



Building knowledge

# Job Order Contract Construction Task Catalog®

Book 1 CSI Divisions 01 - 43 July 2021

Humboldt State University

A photograph of two men in white hard hats and light-colored shirts, seen from behind, talking on a construction site. The background is blurred, showing structural elements of a building under construction.

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## About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **Humboldt State University**, priced locally using current labor, material and equipment costs, and published in July 2021.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **Humboldt State University**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

## MasterFormat™

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



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## The Unit Prices Include:

### LABOR COSTS:

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

disposal of excess material; and time for lunch and breaks.

### EQUIPMENT COSTS:

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

### MATERIAL COSTS:

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

## The Adjustment Factors Include:

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

### BUSINESS COSTS:

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

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

### PROJECT RELATED COSTS:

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

- Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind, sleet or snow.
- Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- Daily clean-up.
- Final professional clean-up.

### PRICE VARIATIONS:

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

### SUMMARY:

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

Unit Price	X	Quantity	X	Adjustment Factor
------------	---	----------	---	----------------------

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

### General Rules:

- Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the Task as described in the CTC.
- All labor, material, equipment, spare parts, and documents required by a Technical Specification shall be considered included in the unit price, unless the Task description states otherwise.

- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 stories, the Contractor will be paid for such crane or lifting equipment as a separate Task.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or for relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the Task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a Task, quantities are calculated on a per project basis. The quantity so determined shall be used for the Task and all appropriate modifiers, unless the Task states otherwise.
- ☑ Whenever there are alternative Tasks that may be selected to complete work, the Contractor shall select the most practical and economical Tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

## DEMOLITION:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 stories into a truck, dumpster, or to an Owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition Task, unless the component must be demolished separately to accomplish the work (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the work; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

## WORKING HEIGHT:

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

**FIELD ENGINEERING:**

- ☑ Surveying Tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate Tasks.

**ASSEMBLIES:**

- ☑ Assembly Tasks take precedence over individual component Tasks.

**RESTRICTED AND CONFINED SPACES:**

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

services required by the regulations, then the Contractor shall be paid for such equipment, services and training. Those costs shall not be included in the Adjustment Factors.

**Or Equals:**

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

**Useful Information:**

**UNIT OF MEASURE DEFINITIONS:**

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

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- Linear Feet Per Day, **LIT** – Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

Clay	3220	2150	3570
Gneiss	4550	2720	3180

**BULK FACTORS FOR DEMOLITION:**

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

**CONVERSIONS:**

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

**MATERIAL WEIGHTS:**

**EARTHEN MATERIAL**

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

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

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**1 Ton = 2000 Pounds = 907.185 Kilograms**

**1 Yard = 3 Feet = 0.9144 Meters**

## TRADEMARKS

- ☑ Job Order Contracting Advanced, Job Order Contracting Complete, Job Order Contracting Complete Management, PROGEN, eGordian, eziQC, Construction Task Catalog, Catalog of Construction Tasks, and DMAP are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

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

## STANDARD GEOMETRY:

### Circle

- Circumference =  $2 \pi \text{ radius} = \pi \text{ diameter}$
- Area =  $\pi \text{ radius}^2 = \pi (\text{diameter}^2 / 4)$

### Cylinder

- Volume =  $(\pi \text{ radius}^2) \text{ height}$
- Surface Area =  $2 \pi \text{ radius}^2 + (2 \pi \text{ radius}) \text{ height}$

### Sphere

- Volume =  $(4 \pi \text{ radius}^3) / 3$
- Surface Area =  $4 \pi \text{ radius}^2$

**$\pi = 3.14159$**

### United Inch

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

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

## 01 General Requirements

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

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

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

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

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

01 22 16 00-0002 EA Reimbursable Fees ..... 1.00

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

##### 01 22 23 Equipment Usage <sup>(01 22)</sup>

Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. See CSI section 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.

##### 01 22 23 00-0001 Aerial Equipment <sup>(01 22 23)</sup>

##### 01 22 23 00-0002 Man Lifts <sup>(01 22 23 00-0001)</sup>

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

##### 01 22 23 00-0003 Telescoping Boom Man Lifts With Platform <sup>(01 22 23 00-0002)</sup>

##### 01 22 23 00-0004 Engine Powered, Telescoping Boom Man Lifts With Platform <sup>(01 22 23 00-0003)</sup>

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

01 22 23 00-0005	DAY	40' Engine Powered, Telescoping Boom Man Lift With Platform	448.88
		<i>For Four-Wheel Drive, Add</i>	101.00
01 22 23 00-0006	WK	40' Engine Powered, Telescoping Boom Man Lift With Platform	1,129.44
		<i>For Four-Wheel Drive, Add</i>	254.12
01 22 23 00-0007	MO	40' Engine Powered, Telescoping Boom Man Lift With Platform	2,534.00
		<i>For Four-Wheel Drive, Add</i>	570.15
01 22 23 00-0008	DAY	60' Engine Powered, Telescoping Boom Man Lift With Platform	658.84
		<i>For Four-Wheel Drive, Add</i>	148.24
01 22 23 00-0009	WK	60' Engine Powered, Telescoping Boom Man Lift With Platform	1,571.08
		<i>For Four-Wheel Drive, Add</i>	353.49
01 22 23 00-0010	MO	60' Engine Powered, Telescoping Boom Man Lift With Platform	3,439.00
		<i>For Four-Wheel Drive, Add</i>	773.78
01 22 23 00-0011	DAY	80' Engine Powered, Telescoping Boom Man Lift With Platform	1,281.48
		<i>For Four-Wheel Drive, Add</i>	288.33
01 22 23 00-0012	WK	80' Engine Powered, Telescoping Boom Man Lift With Platform	3,105.96
		<i>For Four-Wheel Drive, Add</i>	698.84
01 22 23 00-0013	MO	80' Engine Powered, Telescoping Boom Man Lift With Platform	6,516.00
		<i>For Four-Wheel Drive, Add</i>	1,466.10
01 22 23 00-0014	DAY	110' Engine Powered, Telescoping Boom Man Lift With Platform	1,824.48
		<i>For Four-Wheel Drive, Add</i>	410.51
01 22 23 00-0015	WK	110' Engine Powered, Telescoping Boom Man Lift With Platform	4,393.23
		<i>For Four-Wheel Drive, Add</i>	988.48
01 22 23 00-0016	MO	110' Engine Powered, Telescoping Boom Man Lift With Platform	10,946.88
		<i>For Four-Wheel Drive, Add</i>	2,463.05
01 22 23 00-0017	DAY	120' Engine Powered, Telescoping Boom Man Lift With Platform	2,222.68
		<i>For Four-Wheel Drive, Add</i>	500.10
01 22 23 00-0018	WK	120' Engine Powered, Telescoping Boom Man Lift With Platform	5,668.92
		<i>For Four-Wheel Drive, Add</i>	1,275.51
01 22 23 00-0019	MO	120' Engine Powered, Telescoping Boom Man Lift With Platform	12,887.20
		<i>For Four-Wheel Drive, Add</i>	2,899.62

##### 01 22 23 00-0020 Articulating (Up/Over) Boom Man Lifts With Platform <sup>(01 22 23 00-0002)</sup>

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

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

01 22 23 00-0022	DAY	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	374.06
01 22 23 00-0023	WK	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	938.54
01 22 23 00-0024	MO	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,257.93
01 22 23 00-0025	DAY	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	476.07
01 22 23 00-0026	WK	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,040.55
01 22 23 00-0027	MO	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,583.02
01 22 23 00-0028	DAY	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	612.09
01 22 23 00-0029	WK	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,414.61
01 22 23 00-0030	MO	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,162.46
01 22 23 00-0031	DAY	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,067.76
01 22 23 00-0032	WK	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,516.37
01 22 23 00-0033	MO	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	6,119.54
01 22 23 00-0034	DAY	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,074.30
01 22 23 00-0035	WK	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	4,896.72
01 22 23 00-0036	MO	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	11,969.76

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0037	<b>Electric, Articulating (Up/Over) Boom Man Lifts With Platform</b> (01 22 23 00-0020)				
Note: For use on paved surfaces.					
01 22 23 00-0038	DAY	30'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	374.06	
01 22 23 00-0039	WK	30'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	938.54	
01 22 23 00-0040	MO	30'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,257.93	
01 22 23 00-0041	DAY	35'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	374.06	
01 22 23 00-0042	WK	35'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	938.54	
01 22 23 00-0043	MO	35'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,257.93	
01 22 23 00-0044	DAY	40'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	462.47	
01 22 23 00-0045	WK	40'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	999.75	
01 22 23 00-0046	MO	40'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,482.36	
01 22 23 00-0047	DAY	45'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	462.47	
01 22 23 00-0048	WK	45'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	999.75	
01 22 23 00-0049	MO	45'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,482.36	

01 22 23 00-0050	<b>Platform Lifts</b> (01 22 23 00-0001)				
Note: Excludes operator, delivery, set-up, and removal.					

01 22 23 00-0051	<b>Electric, Scissor Platform Lifts</b> (01 22 23 00-0050)				
Note: For use on paved surfaces.					
01 22 23 00-0052	DAY	17'	Electric, Scissor Platform Lift	166.14	
01 22 23 00-0053	WK	17'	Electric, Scissor Platform Lift	332.29	
01 22 23 00-0054	MO	17'	Electric, Scissor Platform Lift	679.68	
01 22 23 00-0055	DAY	20'	Electric, Scissor Platform Lift	181.25	
01 22 23 00-0056	WK	20'	Electric, Scissor Platform Lift	362.50	
01 22 23 00-0057	MO	20'	Electric, Scissor Platform Lift	724.99	
01 22 23 00-0058	DAY	25'	Electric, Scissor Platform Lift	234.11	
01 22 23 00-0059	WK	25'	Electric, Scissor Platform Lift	468.22	
01 22 23 00-0060	MO	25'	Electric, Scissor Platform Lift	1,004.42	
01 22 23 00-0061	DAY	30'	Electric, Scissor Platform Lift	302.08	
01 22 23 00-0062	WK	30'	Electric, Scissor Platform Lift	596.61	
01 22 23 00-0063	MO	30'	Electric, Scissor Platform Lift	1,321.60	
01 22 23 00-0064	DAY	33'	Electric, Scissor Platform Lift	324.74	
01 22 23 00-0065	WK	33'	Electric, Scissor Platform Lift	634.37	
01 22 23 00-0066	MO	33'	Electric, Scissor Platform Lift	1,434.88	
01 22 23 00-0067	DAY	40'	Electric, Scissor Platform Lift	422.91	
01 22 23 00-0068	WK	40'	Electric, Scissor Platform Lift	1,049.73	
01 22 23 00-0069	MO	40'	Electric, Scissor Platform Lift	2,922.62	

01 22 23 00-0070	<b>Engine Powered, Scissor Platform Lifts</b> (01 22 23 00-0050)				
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.					

01 22 23 00-0071	DAY	25'	Engine Powered, Scissor Platform Lift	339.84	
<i>For Four-Wheel Drive, Add</i>				67.97	
01 22 23 00-0072	WK	25'	Engine Powered, Scissor Platform Lift	664.58	
<i>For Four-Wheel Drive, Add</i>				132.92	
01 22 23 00-0073	MO	25'	Engine Powered, Scissor Platform Lift	1,623.68	
<i>For Four-Wheel Drive, Add</i>				324.74	
01 22 23 00-0074	DAY	33'	Engine Powered, Scissor Platform Lift	347.39	
<i>For Four-Wheel Drive, Add</i>				69.48	
01 22 23 00-0075	WK	33'	Engine Powered, Scissor Platform Lift	792.96	
<i>For Four-Wheel Drive, Add</i>				158.59	
01 22 23 00-0076	MO	33'	Engine Powered, Scissor Platform Lift	1,736.96	
<i>For Four-Wheel Drive, Add</i>				347.39	
01 22 23 00-0077	DAY	40'	Engine Powered, Scissor Platform Lift	385.15	
<i>For Four-Wheel Drive, Add</i>				77.03	
01 22 23 00-0078	WK	40'	Engine Powered, Scissor Platform Lift	883.58	
<i>For Four-Wheel Drive, Add</i>				176.72	
01 22 23 00-0079	MO	40'	Engine Powered, Scissor Platform Lift	1,963.52	
<i>For Four-Wheel Drive, Add</i>				392.70	
01 22 23 00-0080	DAY	43'	Engine Powered, Scissor Platform Lift	407.81	
<i>For Four-Wheel Drive, Add</i>				81.56	
01 22 23 00-0081	WK	43'	Engine Powered, Scissor Platform Lift	951.55	
<i>For Four-Wheel Drive, Add</i>				190.31	
01 22 23 00-0082	MO	43'	Engine Powered, Scissor Platform Lift	2,341.12	
<i>For Four-Wheel Drive, Add</i>				468.22	
01 22 23 00-0083	DAY	50'	Engine Powered, Scissor Platform Lift	762.75	
<i>For Four-Wheel Drive, Add</i>				152.55	
01 22 23 00-0084	WK	50'	Engine Powered, Scissor Platform Lift	1,676.54	
<i>For Four-Wheel Drive, Add</i>				335.31	
01 22 23 00-0085	MO	50'	Engine Powered, Scissor Platform Lift	4,123.39	
<i>For Four-Wheel Drive, Add</i>				824.68	

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

01 22 23 00-0087	DAY	24'	Push-Type, Electric Single Man Personnel Lift	108.50	
01 22 23 00-0088	WK	24'	Push-Type, Electric Single Man Personnel Lift	307.40	
01 22 23 00-0089	MO	24'	Push-Type, Electric Single Man Personnel Lift	620.83	
01 22 23 00-0090	DAY	30'	Push-Type, Electric Single Man Personnel Lift	150.69	
01 22 23 00-0091	WK	30'	Push-Type, Electric Single Man Personnel Lift	319.46	
01 22 23 00-0092	MO	30'	Push-Type, Electric Single Man Personnel Lift	1,084.95	
01 22 23 00-0093	DAY	36'	Push-Type, Electric Single Man Personnel Lift	253.16	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0094	WK 36', Push-Type, Electric Single Man Personnel Lift.....	614.80	
01 22 23 00-0095	MO 36', Push-Type, Electric Single Man Personnel Lift.....	1,796.20	
01 22 23 00-0096	DAY 40', Push-Type, Electric Single Man Personnel Lift.....	271.24	
01 22 23 00-0097	WK 40', Push-Type, Electric Single Man Personnel Lift.....	675.08	
01 22 23 00-0098	MO 40', Push-Type, Electric Single Man Personnel Lift.....	2,031.27	
01 22 23 00-0099	DAY 15', Self-Propelled, Electric Single Man Personnel Lift.....	144.66	
01 22 23 00-0100	WK 15', Self-Propelled, Electric Single Man Personnel Lift.....	289.32	
01 22 23 00-0101	MO 15', Self-Propelled, Electric Single Man Personnel Lift.....	578.64	
01 22 23 00-0102	DAY 20', Self-Propelled, Electric Single Man Personnel Lift.....	144.66	
01 22 23 00-0103	WK 20', Self-Propelled, Electric Single Man Personnel Lift.....	289.32	
01 22 23 00-0104	MO 20', Self-Propelled, Electric Single Man Personnel Lift.....	601.54	

**01 22 23 00-0105 Bucket Trucks (01 22 23 00-0001)**

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

01 22 23 00-0106	DAY 29' Bucket Truck With Full-Time Operator.....	1,208.31	
	<i>For Equipment Without Operator, Deduct</i>	-641.15	
01 22 23 00-0107	WK 29' Bucket Truck With Full-Time Operator.....	4,907.22	
	<i>For Equipment Without Operator, Deduct</i>	-3,205.74	
01 22 23 00-0108	MO 29' Bucket Truck With Full-Time Operator.....	18,222.58	
	<i>For Equipment Without Operator, Deduct</i>	-13,891.54	
01 22 23 00-0109	DAY 38' Bucket Truck With Full-Time Operator.....	1,280.49	
	<i>For Equipment Without Operator, Deduct</i>	-641.15	
01 22 23 00-0110	WK 38' Bucket Truck With Full-Time Operator.....	5,139.24	
	<i>For Equipment Without Operator, Deduct</i>	-3,205.74	
01 22 23 00-0111	MO 38' Bucket Truck With Full-Time Operator.....	18,841.30	
	<i>For Equipment Without Operator, Deduct</i>	-13,891.54	
01 22 23 00-0112	DAY 48' Bucket Truck With Full-Time Operator.....	1,466.11	
	<i>For Equipment Without Operator, Deduct</i>	-641.15	
01 22 23 00-0113	WK 48' Bucket Truck With Full-Time Operator.....	5,474.38	
	<i>For Equipment Without Operator, Deduct</i>	-3,205.74	
01 22 23 00-0114	MO 48' Bucket Truck With Full-Time Operator.....	19,563.14	
	<i>For Equipment Without Operator, Deduct</i>	-13,891.54	
01 22 23 00-0115	DAY 62' Bucket Truck With Full-Time Operator.....	1,878.59	
	<i>For Equipment Without Operator, Deduct</i>	-641.15	
01 22 23 00-0116	WK 62' Bucket Truck With Full-Time Operator.....	6,814.94	
	<i>For Equipment Without Operator, Deduct</i>	-3,205.74	
01 22 23 00-0117	MO 62' Bucket Truck With Full-Time Operator.....	23,172.34	
	<i>For Equipment Without Operator, Deduct</i>	-13,891.54	
01 22 23 00-0118	DAY 85' Bucket Truck With Full-Time Operator.....	2,084.83	
	<i>For Equipment Without Operator, Deduct</i>	-641.15	
01 22 23 00-0119	WK 85' Bucket Truck With Full-Time Operator.....	7,536.78	
	<i>For Equipment Without Operator, Deduct</i>	-3,205.74	
01 22 23 00-0120	MO 85' Bucket Truck With Full-Time Operator.....	25,750.34	
	<i>For Equipment Without Operator, Deduct</i>	-13,891.54	
01 22 23 00-0121	Day 105' Bucket Truck With Full-Time Operator.....	2,187.95	
	<i>For Equipment Without Operator, Deduct</i>	-641.15	
01 22 23 00-0122	WK 105' Bucket Truck With Full-Time Operator.....	7,846.14	
	<i>For Equipment Without Operator, Deduct</i>	-3,205.74	
01 22 23 00-0123	MO 105' Bucket Truck With Full-Time Operator.....	25,997.83	
	<i>For Equipment Without Operator, Deduct</i>	-13,891.54	

**01 22 23 00-0124 Air Equipment (01 22 23)**

**01 22 23 00-0125 Air Compressors (01 22 23 00-0124)**

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

01 22 23 00-0126	DAY 100 CFM Diesel Powered Portable Air Compressor.....	157.94	
01 22 23 00-0127	WK 100 CFM Diesel Powered Portable Air Compressor.....	473.80	
01 22 23 00-0128	MO 100 CFM Diesel Powered Portable Air Compressor.....	1,316.12	
01 22 23 00-0129	DAY 130 CFM Diesel Powered Portable Air Compressor.....	189.52	
01 22 23 00-0130	WK 130 CFM Diesel Powered Portable Air Compressor.....	558.04	
01 22 23 00-0131	MO 130 CFM Diesel Powered Portable Air Compressor.....	1,579.35	
01 22 23 00-0132	DAY 185 CFM Diesel Powered Portable Air Compressor.....	252.70	
01 22 23 00-0133	WK 185 CFM Diesel Powered Portable Air Compressor.....	568.57	
01 22 23 00-0134	MO 185 CFM Diesel Powered Portable Air Compressor.....	1,252.95	
01 22 23 00-0135	DAY 375 CFM Diesel Powered Portable Air Compressor.....	357.99	
01 22 23 00-0136	WK 375 CFM Diesel Powered Portable Air Compressor.....	905.49	
01 22 23 00-0137	MO 375 CFM Diesel Powered Portable Air Compressor.....	2,158.44	
01 22 23 00-0138	DAY 600 CFM Diesel Powered Portable Air Compressor.....	795.99	
01 22 23 00-0139	WK 600 CFM Diesel Powered Portable Air Compressor.....	1,916.28	
01 22 23 00-0140	MO 600 CFM Diesel Powered Portable Air Compressor.....	4,775.95	
01 22 23 00-0141	DAY 750 CFM Diesel Powered Portable Air Compressor.....	958.14	
01 22 23 00-0142	WK 750 CFM Diesel Powered Portable Air Compressor.....	2,358.50	
01 22 23 00-0143	MO 750 CFM Diesel Powered Portable Air Compressor.....	5,790.95	
01 22 23 00-0144	DAY 825 CFM Diesel Powered Portable Air Compressor.....	958.14	
01 22 23 00-0145	WK 825 CFM Diesel Powered Portable Air Compressor.....	2,358.50	
01 22 23 00-0146	MO 825 CFM Diesel Powered Portable Air Compressor.....	5,790.95	
01 22 23 00-0147	DAY 1,300 CFM Diesel Powered Portable Air Compressor.....	1,116.07	
01 22 23 00-0148	WK 1,300 CFM Diesel Powered Portable Air Compressor.....	2,501.69	
01 22 23 00-0149	MO 1,300 CFM Diesel Powered Portable Air Compressor.....	6,671.17	
01 22 23 00-0150	DAY 1,600 CFM Diesel Powered Portable Air Compressor.....	1,389.83	
01 22 23 00-0151	WK 1,600 CFM Diesel Powered Portable Air Compressor.....	3,127.11	
01 22 23 00-0152	MO 1,600 CFM Diesel Powered Portable Air Compressor.....	8,338.97	

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

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

MINOR	CSI	UOM	DESCRIPTION
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01 22 23 00-0153	<b>Portable Negative Air Machines</b> (01 22 23 00-0124)		
	Note: A Negative Air Machine is used in a sealed containment area to filter air and exhaust the filtered air through ducting to a location outside the sealed containment area. Includes delivery to job site and pick-up when complete. Excludes all filters and duct.		
01 22 23 00-0154	DAY Up To 2,000 CFM, Portable Negative Air Machine .....	81.38	
01 22 23 00-0155	WK Up To 2,000 CFM, Portable Negative Air Machine .....	334.24	
01 22 23 00-0156	MO Up To 2,000 CFM, Portable Negative Air Machine .....	1,009.97	
01 22 23 00-0157	EA First Stage Pre-Filter For Portable Negative Air Machines.....	13.63	
01 22 23 00-0158	EA Second Stage Pre-Filter For Portable Negative Air Machines .....	32.93	
01 22 23 00-0159	EA High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines .....	175.11	
01 22 23 00-0160	LF Flexible Exhaust Duct For Portable Negative Air Machines.....	1.33	
01 22 23 00-0161	<b>Portable Air Scrubbers</b> (01 22 23 00-0124)		
	Note: A Portable Air Scrubber filters and recirculates the filtered air into the same space and does not use ducting to exhaust the filtered air to a different location. Includes delivery to job site and pick-up when complete. Excludes all filters.		
01 22 23 00-0162	DAY Up To 1,000 CFM, Portable Air Scrubber .....	84.29	
01 22 23 00-0163	WK Up To 1,000 CFM, Portable Air Scrubber .....	350.38	
01 22 23 00-0164	MO Up To 1,000 CFM, Portable Air Scrubber .....	969.90	
01 22 23 00-0165	DAY >1,000 to 2,000 CFM, Portable Air Scrubber .....	106.64	
01 22 23 00-0166	WK >1,000 to 2,000 CFM, Portable Air Scrubber .....	441.79	
01 22 23 00-0167	MO >1,000 to 2,000 CFM, Portable Air Scrubber .....	1,294.89	
01 22 23 00-0168	DAY >2,000 To 5,000 CFM, Portable Air Scrubber .....	137.11	
01 22 23 00-0169	WK >2,000 To 5,000 CFM, Portable Air Scrubber .....	583.97	
01 22 23 00-0170	MO >2,000 To 5,000 CFM, Portable Air Scrubber.....	1,635.12	
01 22 23 00-0171	EA First Stage Pre-Filter For Portable Air Scrubbers .....	19.73	
01 22 23 00-0172	EA Second Stage Pre-Filter For Portable Air Scrubbers.....	27.85	
01 22 23 00-0173	EA High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Air Scrubbers .....	296.99	
01 22 23 00-0174	<b>Compaction And Paving Equipment</b> (01 22 23)		
01 22 23 00-0175	<b>Pavers And Rollers</b> (01 22 23 00-0174)		
	Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0176	<b>Pavers</b> (01 22 23 00-0175)		
01 22 23 00-0177	DAY 10' Wide Paving Machine With Full-Time Operator.....	3,211.42	
	For Equipment Without Operator, Deduct .....	-796.43	
01 22 23 00-0178	WK 10' Wide Paving Machine With Full-Time Operator.....	13,642.13	
	For Equipment Without Operator, Deduct .....	-3,982.15	
01 22 23 00-0179	MO 10' Wide Paving Machine With Full-Time Operator.....	51,756.51	
	For Equipment Without Operator, Deduct .....	-17,255.99	
01 22 23 00-0180	<b>Ride-On Self-Propelled, Rubber Tire Rollers</b> (01 22 23 00-0175)		
01 22 23 00-0181	DAY 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	1,205.41	
	For Equipment Without Operator, Deduct .....	-796.43	
01 22 23 00-0182	WK 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	5,219.12	
	For Equipment Without Operator, Deduct .....	-3,982.15	
01 22 23 00-0183	MO 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	20,613.89	
	For Equipment Without Operator, Deduct .....	-17,255.99	
01 22 23 00-0184	DAY 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	1,363.25	
	For Equipment Without Operator, Deduct .....	-796.43	
01 22 23 00-0185	WK 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	6,392.95	
	For Equipment Without Operator, Deduct .....	-3,982.15	
01 22 23 00-0186	MO 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	22,386.11	
	For Equipment Without Operator, Deduct .....	-17,255.99	
01 22 23 00-0187	DAY 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	1,370.43	
	For Equipment Without Operator, Deduct .....	-796.43	
01 22 23 00-0188	WK 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	5,926.57	
	For Equipment Without Operator, Deduct .....	-3,982.15	
01 22 23 00-0189	MO 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	22,730.51	
	For Equipment Without Operator, Deduct .....	-17,255.99	
01 22 23 00-0190	<b>Ride-On Self-Propelled, Padfoot Rollers</b> (01 22 23 00-0175)		
01 22 23 00-0191	DAY 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,269.98	
	For Equipment Without Operator, Deduct .....	-796.43	
01 22 23 00-0192	WK 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	5,295.17	
	For Equipment Without Operator, Deduct .....	-3,982.15	
01 22 23 00-0193	MO 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	21,051.57	
	For Equipment Without Operator, Deduct .....	-17,255.99	
01 22 23 00-0194	DAY 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,571.33	
	For Equipment Without Operator, Deduct .....	-796.43	
01 22 23 00-0195	WK 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	5,905.05	
	For Equipment Without Operator, Deduct .....	-3,982.15	
01 22 23 00-0196	MO 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	22,974.47	
	For Equipment Without Operator, Deduct .....	-17,255.99	
01 22 23 00-0197	DAY 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,643.08	
	For Equipment Without Operator, Deduct .....	-796.43	
01 22 23 00-0198	WK 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	6,357.07	
	For Equipment Without Operator, Deduct .....	-3,982.15	
01 22 23 00-0199	MO 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	24,237.27	
	For Equipment Without Operator, Deduct .....	-17,255.99	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>01 22 23 00-0200</b>	<b>Towed, Padfoot Rollers</b> <small>(01 22 23 00-0175)</small>		
01 22 23 00-0201	DAY 48" Wide, 40" Diameter, Towed Padfoot Roller .....	136.32	
01 22 23 00-0202	WK 48" Wide, 40" Diameter, Towed Padfoot Roller .....	394.62	
01 22 23 00-0203	MO 48" Wide, 40" Diameter, Towed Padfoot Roller .....	1,162.35	
01 22 23 00-0204	DAY 60" Wide, 60" Diameter, Towed Padfoot Roller .....	172.20	
01 22 23 00-0205	WK 60" Wide, 60" Diameter, Towed Padfoot Roller .....	480.72	
01 22 23 00-0206	MO 60" Wide, 60" Diameter, Towed Padfoot Roller .....	2,044.88	

<b>01 22 23 00-0207</b>	<b>Static Rollers</b> <small>(01 22 23 00-0175)</small>		
01 22 23 00-0208	DAY 5 Ton, 2 Drum Articulated Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,305.85 -796.43	
01 22 23 00-0209	WK 5 Ton, 2 Drum Articulated Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	5,603.70 -3,982.15	
01 22 23 00-0210	MO 5 Ton, 2 Drum Articulated Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	22,063.24 -17,255.99	
01 22 23 00-0211	DAY 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,463.71 -796.43	
01 22 23 00-0212	WK 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	6,034.20 -3,982.15	
01 22 23 00-0213	MO 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	23,254.29 -17,255.99	

<b>01 22 23 00-0214</b>	<b>Ride-On Self-Propelled, Smooth Drum Vibratory Rollers</b> <small>(01 22 23 00-0175)</small>		
01 22 23 00-0215	DAY 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,076.25 -796.43	
01 22 23 00-0216	WK 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	4,800.10 -3,982.15	
01 22 23 00-0217	MO 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	19,408.49 -17,255.99	
01 22 23 00-0218	DAY 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,183.88 -796.43	
01 22 23 00-0219	WK 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	5,122.97 -3,982.15	
01 22 23 00-0220	MO 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	20,269.49 -17,255.99	
01 22 23 00-0221	DAY 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,255.63 -796.43	
01 22 23 00-0222	WK 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	5,338.23 -3,982.15	
01 22 23 00-0223	MO 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	20,843.49 -17,255.99	
01 22 23 00-0224	DAY 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,348.91 -796.43	
01 22 23 00-0225	WK 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	5,610.87 -3,982.15	
01 22 23 00-0226	MO 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	21,553.81 -17,255.99	
01 22 23 00-0227	DAY 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,535.45 -796.43	
01 22 23 00-0228	WK 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	6,156.17 -3,982.15	
01 22 23 00-0229	MO 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	22,995.99 -17,255.99	

<b>01 22 23 00-0230</b>	<b>Steel Roadway Plates</b> <small>(01 22 23 00-0174)</small>		
	Note: 3 day minimum. Excludes delivery. See CSI section 01 71 13 00-0001 for material delivery on truck.		
01 22 23 00-0231	EA Mobilization of Steel Roadway Plates..... Note: Mobilization for each site location.	404.98	
01 22 23 00-0232	EA Placement And Removal Of Steel Roadway Plates.....	49.53	
01 22 23 00-0233	DAY 1" x 4' x 8' Steel Plate .....	35.72	
01 22 23 00-0234	WK 1" x 4' x 8' Steel Plate .....	84.35	
01 22 23 00-0235	MO 1" x 4' x 8' Steel Plate .....	111.00	
01 22 23 00-0236	DAY 1" x 4' x 10' Steel Plate .....	47.63	
01 22 23 00-0237	WK 1" x 4' x 10' Steel Plate .....	107.17	
01 22 23 00-0238	MO 1" x 4' x 10' Steel Plate .....	130.98	
01 22 23 00-0239	DAY 1" x 5' x 10' Steel Plate .....	49.62	
01 22 23 00-0240	WK 1" x 5' x 10' Steel Plate .....	112.13	
01 22 23 00-0241	MO 1" x 5' x 10' Steel Plate .....	297.69	
01 22 23 00-0242	DAY 1" x 6' x 8' Steel Plate .....	31.75	
01 22 23 00-0243	WK 1" x 6' x 8' Steel Plate .....	71.45	
01 22 23 00-0244	MO 1" x 6' x 8' Steel Plate .....	190.52	
01 22 23 00-0245	DAY 1" x 6' x 10' Steel Plate .....	59.54	
01 22 23 00-0246	WK 1" x 6' x 10' Steel Plate .....	78.39	
01 22 23 00-0247	MO 1" x 6' x 10' Steel Plate .....	209.38	
01 22 23 00-0248	DAY 1" x 6' x 12' Steel Plate .....	83.35	
01 22 23 00-0249	WK 1" x 6' x 12' Steel Plate .....	106.67	
01 22 23 00-0250	MO 1" x 6' x 12' Steel Plate .....	288.76	
01 22 23 00-0251	DAY 1" x 8' x 10' Steel Plate .....	52.59	
01 22 23 00-0252	WK 1" x 8' x 10' Steel Plate .....	118.08	
01 22 23 00-0253	MO 1" x 8' x 10' Steel Plate .....	314.56	
01 22 23 00-0254	DAY 1" x 8' x 12' Steel Plate .....	95.26	
01 22 23 00-0255	WK 1" x 8' x 12' Steel Plate .....	118.08	
01 22 23 00-0256	MO 1" x 8' x 12' Steel Plate .....	571.56	

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0257	DAY		1" x 8' x 16' Steel Plate.....	127.01	
01 22 23 00-0258	WK		1" x 8' x 16' Steel Plate.....	285.78	
01 22 23 00-0259	MO		1" x 8' x 16' Steel Plate.....	762.09	
01 22 23 00-0260	LF		Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate.....	1.98	0.92
01 22 23 00-0261	EA		Removal And Resetting Of Steel Roadway Plate.....	27.52	
<b>01 22 23 00-0262</b>	<b>Street Sweepers (01 22 23 00-0174)</b>				
Note: Includes full-time operator. Excludes delivery, set-up, and removal.					
01 22 23 00-0263	DAY		8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator .....	962.15	
			<i>For Equipment Without Operator, Deduct</i>	-756.04	
01 22 23 00-0264	WK		8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator .....	4,596.97	
			<i>For Equipment Without Operator, Deduct</i>	-3,780.22	
01 22 23 00-0265	MO		8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator .....	19,290.85	
			<i>For Equipment Without Operator, Deduct</i>	-16,380.96	
01 22 23 00-0266	DAY		Self-Propelled Street Sweeper With Hopper And Full-Time Operator.....	1,927.74	
			Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
			<i>For Equipment Without Operator, Deduct</i>	-756.04	
01 22 23 00-0267	WK		Self-Propelled Street Sweeper With Hopper And Full-Time Operator.....	8,473.49	
			Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
			<i>For Equipment Without Operator, Deduct</i>	-3,780.22	
01 22 23 00-0268	MO		Self-Propelled Street Sweeper With Hopper And Full-Time Operator.....	33,130.12	
			Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
			<i>For Equipment Without Operator, Deduct</i>	-16,380.96	
<b>01 22 23 00-0269</b>	<b>Earthmoving Equipment (01 22 23)</b>				
<b>01 22 23 00-0270</b>	<b>Skid-Steer Loaders (01 22 23 00-0269)</b>				
Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.					
01 22 23 00-0271	DAY		700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator.....	1,031.11	
			<i>For Equipment Without Operator, Deduct</i>	-756.04	
01 22 23 00-0272	WK		700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator.....	4,501.83	
			<i>For Equipment Without Operator, Deduct</i>	-3,780.22	
01 22 23 00-0273	MO		700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator.....	18,118.82	
			<i>For Equipment Without Operator, Deduct</i>	-16,380.96	
01 22 23 00-0274	DAY		1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator.....	1,103.61	
			<i>For Equipment Without Operator, Deduct</i>	-756.04	
01 22 23 00-0275	WK		1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator.....	4,633.04	
			<i>For Equipment Without Operator, Deduct</i>	-3,780.22	
01 22 23 00-0276	MO		1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator.....	18,406.54	
			<i>For Equipment Without Operator, Deduct</i>	-16,380.96	
01 22 23 00-0277	DAY		2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator.....	1,124.33	
			<i>For Equipment Without Operator, Deduct</i>	-756.04	
01 22 23 00-0278	WK		2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator.....	4,821.78	
			<i>For Equipment Without Operator, Deduct</i>	-3,780.22	
01 22 23 00-0279	MO		2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator.....	18,907.19	
			<i>For Equipment Without Operator, Deduct</i>	-16,380.96	
01 22 23 00-0280	DAY		2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	1,204.89	
			<i>For Equipment Without Operator, Deduct</i>	-756.04	
01 22 23 00-0281	WK		2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	5,086.49	
			<i>For Equipment Without Operator, Deduct</i>	-3,780.22	
01 22 23 00-0282	MO		2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	19,781.87	
			<i>For Equipment Without Operator, Deduct</i>	-16,380.96	
01 22 23 00-0283	DAY		3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	1,343.00	
			<i>For Equipment Without Operator, Deduct</i>	-756.04	
01 22 23 00-0284	WK		3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	5,610.15	
			<i>For Equipment Without Operator, Deduct</i>	-3,780.22	
01 22 23 00-0285	MO		3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	21,070.88	
			<i>For Equipment Without Operator, Deduct</i>	-16,380.96	
01 22 23 00-0286	DAY		Hydraulic Hammer Attachment For Skid-Steer Loaders .....	230.18	
01 22 23 00-0287	WK		Hydraulic Hammer Attachment For Skid-Steer Loaders .....	765.35	
01 22 23 00-0288	MO		Hydraulic Hammer Attachment For Skid-Steer Loaders .....	2,037.09	
01 22 23 00-0289	DAY		Forklift Attachment For Skid-Steer Loaders .....	49.49	
01 22 23 00-0290	WK		Forklift Attachment For Skid-Steer Loaders .....	132.35	
01 22 23 00-0291	MO		Forklift Attachment For Skid-Steer Loaders .....	374.04	
01 22 23 00-0292	DAY		Backhoe Attachment For Skid-Steer Loaders .....	109.34	
01 22 23 00-0293	WK		Backhoe Attachment For Skid-Steer Loaders .....	262.41	
01 22 23 00-0294	MO		Backhoe Attachment For Skid-Steer Loaders .....	652.56	
01 22 23 00-0295	DAY		Broom Attachment For Skid-Steer Loaders .....	108.18	
01 22 23 00-0296	WK		Broom Attachment For Skid-Steer Loaders .....	293.48	
01 22 23 00-0297	MO		Broom Attachment For Skid-Steer Loaders .....	776.86	
01 22 23 00-0298	DAY		Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders.....	94.37	
01 22 23 00-0299	WK		Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders.....	260.10	
01 22 23 00-0300	MO		Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders.....	710.11	
01 22 23 00-0301	DAY		Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	26.01	
01 22 23 00-0302	WK		Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	68.05	
01 22 23 00-0303	MO		Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	200.15	
01 22 23 00-0304	DAY		>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	35.02	
01 22 23 00-0305	WK		>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	87.07	
01 22 23 00-0306	MO		>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	260.21	
01 22 23 00-0307	DAY		Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	51.03	
01 22 23 00-0308	WK		Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	155.13	
01 22 23 00-0309	MO		Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	460.36	
01 22 23 00-0310	DAY		2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger).....	10.36	
01 22 23 00-0311	WK		2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger).....	24.17	
01 22 23 00-0312	MO		2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger).....	64.45	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**01 22 23 00-0313**

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

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

01 22 23 00-0314	DAY 70 HP, D3 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,169.39 -796.43	
01 22 23 00-0315	WK 70 HP, D3 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	5,452.88 -3,982.15	
01 22 23 00-0316	MO 70 HP, D3 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	21,618.93 -17,255.99	
01 22 23 00-0317	DAY 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,345.32 -796.43	
01 22 23 00-0318	WK 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	6,163.62 -3,982.15	
01 22 23 00-0319	MO 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	23,800.40 -17,255.99	
01 22 23 00-0320	DAY 140 HP, D6 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,844.94 -796.43	
01 22 23 00-0321	WK 140 HP, D6 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	8,162.13 -3,982.15	
01 22 23 00-0322	MO 140 HP, D6 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	29,781.85 -17,255.99	
01 22 23 00-0323	DAY 200 HP, D7 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	2,288.27 -796.43	
01 22 23 00-0324	WK 200 HP, D7 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	9,942.49 -3,982.15	
01 22 23 00-0325	MO 200 HP, D7 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	35,129.97 -17,255.99	
01 22 23 00-0326	DAY 335 HP, D8 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	2,816.05 -796.43	
01 22 23 00-0327	WK 335 HP, D8 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	12,053.59 -3,982.15	
01 22 23 00-0328	MO 335 HP, D8 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	41,463.27 -17,255.99	
01 22 23 00-0329	DAY 460 HP, D9 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	3,111.60 -796.43	
01 22 23 00-0330	WK 460 HP, D9 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	13,228.77 -3,982.15	
01 22 23 00-0331	MO 460 HP, D9 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	44,981.77 -17,255.99	

**01 22 23 00-0332**

**Road Graders** (01 22 23 00-0269)

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

01 22 23 00-0333	DAY 60 HP Road Grader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,232.86 -796.43	
01 22 23 00-0334	WK 60 HP Road Grader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	5,162.74 -3,982.15	
01 22 23 00-0335	MO 60 HP Road Grader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	20,786.57 -17,255.99	
01 22 23 00-0336	DAY 80 HP Road Grader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,361.55 -796.43	
01 22 23 00-0337	WK 80 HP Road Grader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	5,520.83 -3,982.15	
01 22 23 00-0338	MO 80 HP Road Grader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	21,872.04 -17,255.99	
01 22 23 00-0339	DAY 130 HP Road Grader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,274.40 -796.43	
01 22 23 00-0340	WK 130 HP Road Grader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	5,894.03 -3,982.15	
01 22 23 00-0341	MO 130 HP Road Grader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	24,088.46 -17,255.99	

**01 22 23 00-0342**

**Motor Scraper** (01 22 23 00-0269)

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

01 22 23 00-0343	DAY 11 CY Motor Scraper-Hauler With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,567.09 -796.43	
01 22 23 00-0344	WK 11 CY Motor Scraper-Hauler With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	7,064.79 -3,982.15	
01 22 23 00-0345	MO 11 CY Motor Scraper-Hauler With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	26,493.37 -17,255.99	
01 22 23 00-0346	DAY 18 CY Motor Scraper-Hauler With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,878.52 -796.43	
01 22 23 00-0347	WK 18 CY Motor Scraper-Hauler With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	8,310.52 -3,982.15	
01 22 23 00-0348	MO 18 CY Motor Scraper-Hauler With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	30,241.10 -17,255.99	
01 22 23 00-0349	DAY 24 CY Motor Scraper-Hauler With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	2,179.40 -796.43	
01 22 23 00-0350	WK 24 CY Motor Scraper-Hauler With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	9,508.74 -3,982.15	
01 22 23 00-0351	MO 24 CY Motor Scraper-Hauler With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	33,830.48 -17,255.99	

**01 22 23 00-0352**

**Hydraulic Excavators** (01 22 23 00-0269)

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

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0353 DAY 3/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,151.72 -796.43	
01 22 23 00-0354 WK 3/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	5,238.83 -3,982.15	
01 22 23 00-0355 MO 3/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	21,466.87 -17,255.99	
01 22 23 00-0356 DAY 1/2 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,251.73 -796.43	
01 22 23 00-0357 WK 1/2 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	5,679.66 -3,982.15	
01 22 23 00-0358 MO 1/2 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	23,230.18 -17,255.99	
01 22 23 00-0359 DAY 5/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,283.31 -796.43	
01 22 23 00-0360 WK 5/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	5,844.15 -3,982.15	
01 22 23 00-0361 MO 5/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	23,519.67 -17,255.99	
01 22 23 00-0362 DAY 3/4 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,316.21 -796.43	
01 22 23 00-0363 WK 3/4 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	5,995.48 -3,982.15	
01 22 23 00-0364 MO 3/4 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	23,809.17 -17,255.99	
01 22 23 00-0365 DAY 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,342.53 -796.43	
01 22 23 00-0366 WK 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	6,153.39 -3,982.15	
01 22 23 00-0367 MO 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	24,098.67 -17,255.99	
01 22 23 00-0368 DAY 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,697.82 -796.43	
01 22 23 00-0369 WK 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	7,567.98 -3,982.15	
01 22 23 00-0370 MO 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	28,013.47 -17,255.99	
01 22 23 00-0371 DAY 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,750.46 -796.43	
01 22 23 00-0372 WK 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	7,798.26 -3,982.15	
01 22 23 00-0373 MO 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	28,704.32 -17,255.99	
01 22 23 00-0374 DAY 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,849.15 -796.43	
01 22 23 00-0375 WK 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	8,193.03 -3,982.15	
01 22 23 00-0376 MO 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	29,888.63 -17,255.99	
01 22 23 00-0377 DAY 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,961.00 -796.43	
01 22 23 00-0378 WK 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	8,633.86 -3,982.15	
01 22 23 00-0379 MO 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	31,204.53 -17,255.99	
01 22 23 00-0380 DAY 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,993.90 -796.43	
01 22 23 00-0381 WK 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	8,765.45 -3,982.15	
01 22 23 00-0382 MO 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	31,599.30 -17,255.99	
01 22 23 00-0383 DAY 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	2,309.71 -796.43	
01 22 23 00-0384 WK 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	10,035.29 -3,982.15	
01 22 23 00-0385 MO 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	35,415.41 -17,255.99	
01 22 23 00-0386 DAY 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	2,763.70 -796.43	
01 22 23 00-0387 WK 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	11,838.07 -3,982.15	
01 22 23 00-0388 MO 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	40,810.60 -17,255.99	
01 22 23 00-0389 DAY 6 To 11 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	3,322.96 -796.43	
01 22 23 00-0390 WK 6 To 11 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	14,075.10 -3,982.15	
01 22 23 00-0391 MO 6 To 11 CY Hydraulic Excavator With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	47,521.69 -17,255.99	
01 22 23 00-0392 DAY Thumbs Or Grapple Attachment For Hydraulic Excavators .....	92.11	
01 22 23 00-0393 WK Thumbs Or Grapple Attachment For Hydraulic Excavators .....	355.29	
01 22 23 00-0394 MO Thumbs Or Grapple Attachment For Hydraulic Excavators .....	1,052.72	
01 22 23 00-0395 DAY 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	407.93	
01 22 23 00-0396 WK 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	1,079.04	
01 22 23 00-0397 MO 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	3,019.99	
01 22 23 00-0398 DAY 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	631.63	
01 22 23 00-0399 WK 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	1,611.98	
01 22 23 00-0400 MO 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	4,191.14	
01 22 23 00-0401 DAY 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	881.65	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0402	WK	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	2,375.20	
01 22 23 00-0403	MO	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	6,658.45	
01 22 23 00-0404	DAY	24" Compaction Wheel Attachment For Hydraulic Excavators.....	184.23	
01 22 23 00-0405	WK	24" Compaction Wheel Attachment For Hydraulic Excavators.....	736.90	
01 22 23 00-0406	MO	24" Compaction Wheel Attachment For Hydraulic Excavators.....	2,210.71	
01 22 23 00-0407	DAY	36" Compaction Wheel Attachment For Hydraulic Excavators.....	263.18	
01 22 23 00-0408	WK	36" Compaction Wheel Attachment For Hydraulic Excavators.....	1,052.72	
01 22 23 00-0409	MO	36" Compaction Wheel Attachment For Hydraulic Excavators.....	3,158.16	
01 22 23 00-0410	DAY	48" Compaction Wheel Attachment For Hydraulic Excavators.....	289.50	
01 22 23 00-0411	WK	48" Compaction Wheel Attachment For Hydraulic Excavators.....	1,144.83	
01 22 23 00-0412	MO	48" Compaction Wheel Attachment For Hydraulic Excavators.....	3,421.34	

**01 22 23 00-0413 Mini-Excavators (01 22 23 00-0269)**

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

01 22 23 00-0414	DAY	2,000 LB Mini-Excavator With Full-Time Operator.....	1,072.77	
		<i>For Equipment Without Operator, Deduct</i>	-796.43	
01 22 23 00-0415	WK	2,000 LB Mini-Excavator With Full-Time Operator.....	4,765.11	
		<i>For Equipment Without Operator, Deduct</i>	-3,982.15	
01 22 23 00-0416	MO	2,000 LB Mini-Excavator With Full-Time Operator.....	18,979.82	
		<i>For Equipment Without Operator, Deduct</i>	-17,255.99	
01 22 23 00-0417	DAY	3,500 LB Mini-Excavator With Full-Time Operator.....	1,079.35	
		<i>For Equipment Without Operator, Deduct</i>	-796.43	
01 22 23 00-0418	WK	3,500 LB Mini-Excavator With Full-Time Operator.....	4,784.85	
		<i>For Equipment Without Operator, Deduct</i>	-3,982.15	
01 22 23 00-0419	MO	3,500 LB Mini-Excavator With Full-Time Operator.....	19,394.33	
		<i>For Equipment Without Operator, Deduct</i>	-17,255.99	
01 22 23 00-0420	DAY	6,000 LB Mini-Excavator With Full-Time Operator.....	1,112.25	
		<i>For Equipment Without Operator, Deduct</i>	-796.43	
01 22 23 00-0421	WK	6,000 LB Mini-Excavator With Full-Time Operator.....	4,876.96	
		<i>For Equipment Without Operator, Deduct</i>	-3,982.15	
01 22 23 00-0422	MO	6,000 LB Mini-Excavator With Full-Time Operator.....	19,453.54	
		<i>For Equipment Without Operator, Deduct</i>	-17,255.99	
01 22 23 00-0423	DAY	7,500 LB Mini-Excavator With Full-Time Operator.....	1,125.41	
		<i>For Equipment Without Operator, Deduct</i>	-796.43	
01 22 23 00-0424	WK	7,500 LB Mini-Excavator With Full-Time Operator.....	4,923.02	
		<i>For Equipment Without Operator, Deduct</i>	-3,982.15	
01 22 23 00-0425	MO	7,500 LB Mini-Excavator With Full-Time Operator.....	19,479.86	
		<i>For Equipment Without Operator, Deduct</i>	-17,255.99	
01 22 23 00-0426	DAY	9,500 LB Mini-Excavator With Full-Time Operator.....	1,204.36	
		<i>For Equipment Without Operator, Deduct</i>	-796.43	
01 22 23 00-0427	WK	9,500 LB Mini-Excavator With Full-Time Operator.....	4,988.81	
		<i>For Equipment Without Operator, Deduct</i>	-3,982.15	
01 22 23 00-0428	MO	9,500 LB Mini-Excavator With Full-Time Operator.....	20,243.08	
		<i>For Equipment Without Operator, Deduct</i>	-17,255.99	
01 22 23 00-0429	DAY	11,000 LB Mini-Excavator With Full-Time Operator.....	1,210.94	
		<i>For Equipment Without Operator, Deduct</i>	-796.43	
01 22 23 00-0430	WK	11,000 LB Mini-Excavator With Full-Time Operator.....	5,317.79	
		<i>For Equipment Without Operator, Deduct</i>	-3,982.15	
01 22 23 00-0431	MO	11,000 LB Mini-Excavator With Full-Time Operator.....	20,275.98	
		<i>For Equipment Without Operator, Deduct</i>	-17,255.99	

**01 22 23 00-0432 Loader-Backhoes With Standard Bucket (01 22 23 00-0269)**

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

01 22 23 00-0433	DAY	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	1,092.03	
		<i>For Equipment Without Operator, Deduct</i>	-796.43	
01 22 23 00-0434	WK	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	4,684.19	
		<i>For Equipment Without Operator, Deduct</i>	-3,982.15	
01 22 23 00-0435	MO	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	18,908.16	
		<i>For Equipment Without Operator, Deduct</i>	-17,255.99	
01 22 23 00-0436	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	1,123.70	
		<i>For Equipment Without Operator, Deduct</i>	-796.43	
01 22 23 00-0437	WK	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	4,795.04	
		<i>For Equipment Without Operator, Deduct</i>	-3,982.15	
01 22 23 00-0438	MO	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	19,583.81	
		<i>For Equipment Without Operator, Deduct</i>	-17,255.99	
01 22 23 00-0439	DAY	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	1,172.52	
		<i>For Equipment Without Operator, Deduct</i>	-796.43	
01 22 23 00-0440	WK	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	4,916.44	
		<i>For Equipment Without Operator, Deduct</i>	-3,982.15	
01 22 23 00-0441	MO	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	19,932.19	
		<i>For Equipment Without Operator, Deduct</i>	-17,255.99	
01 22 23 00-0442	DAY	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	1,390.26	
		<i>For Equipment Without Operator, Deduct</i>	-796.43	
01 22 23 00-0443	WK	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	5,565.70	
		<i>For Equipment Without Operator, Deduct</i>	-3,982.15	
01 22 23 00-0444	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	21,790.22	
		<i>For Equipment Without Operator, Deduct</i>	-17,255.99	

**01 22 23 00-0445 Heavy Duty Construction Loaders (01 22 23 00-0269)**

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

01 22 23 00-0446	DAY	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator .....	1,275.06	
		<i>For Equipment Without Operator, Deduct</i>	-796.43	
01 22 23 00-0447	WK	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator .....	5,874.57	
		<i>For Equipment Without Operator, Deduct</i>	-3,982.15	

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0448	MO	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	.....	22,925.89	
		<i>For Equipment Without Operator, Deduct</i>		-17,255.99	
01 22 23 00-0449	DAY	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	.....	1,672.69	
		<i>For Equipment Without Operator, Deduct</i>		-796.43	
01 22 23 00-0450	WK	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	.....	6,309.02	
		<i>For Equipment Without Operator, Deduct</i>		-3,982.15	
01 22 23 00-0451	MO	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	.....	23,146.79	
		<i>For Equipment Without Operator, Deduct</i>		-17,255.99	
01 22 23 00-0452	DAY	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	.....	1,761.05	
		<i>For Equipment Without Operator, Deduct</i>		-796.43	
01 22 23 00-0453	WK	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	.....	6,544.65	
		<i>For Equipment Without Operator, Deduct</i>		-3,982.15	
01 22 23 00-0454	MO	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	.....	23,735.87	
		<i>For Equipment Without Operator, Deduct</i>		-17,255.99	
01 22 23 00-0455	DAY	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	.....	2,004.04	
		<i>For Equipment Without Operator, Deduct</i>		-796.43	
01 22 23 00-0456	WK	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	.....	7,185.27	
		<i>For Equipment Without Operator, Deduct</i>		-3,982.15	
01 22 23 00-0457	MO	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	.....	25,355.84	
		<i>For Equipment Without Operator, Deduct</i>		-17,255.99	
01 22 23 00-0458	DAY	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	.....	2,629.94	
		<i>For Equipment Without Operator, Deduct</i>		-796.43	
01 22 23 00-0459	WK	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	.....	11,301.47	
		<i>For Equipment Without Operator, Deduct</i>		-3,982.15	
01 22 23 00-0460	MO	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	.....	39,199.22	
		<i>For Equipment Without Operator, Deduct</i>		-17,255.99	
01 22 23 00-0461	DAY	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	.....	6,753.43	
		<i>For Equipment Without Operator, Deduct</i>		-796.43	
01 22 23 00-0462	WK	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	.....	23,325.86	
		<i>For Equipment Without Operator, Deduct</i>		-3,982.15	
01 22 23 00-0463	MO	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	.....	69,972.83	
		<i>For Equipment Without Operator, Deduct</i>		-17,255.99	
<b>01 22 23 00-0464</b>		<b>Gradall, Telescopic Hydraulic Excavators</b> <small>(01 22 23 00-0269)</small>			
		Note: Includes full-time operator. Excludes delivery, set-up, and removal.			
01 22 23 00-0465	DAY	Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	.....	1,974.75	
		<i>For Equipment Without Operator, Deduct</i>		-796.43	
		<i>For Track Gradall, Add</i>		141.40	
01 22 23 00-0466	WK	Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	.....	8,690.16	
		<i>For Equipment Without Operator, Deduct</i>		-3,982.15	
		<i>For Track Gradall, Add</i>		564.96	
01 22 23 00-0467	MO	Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	.....	34,059.55	
		<i>For Equipment Without Operator, Deduct</i>		-17,255.99	
		<i>For Track Gradall, Add</i>		2,016.43	
<b>01 22 23 00-0468</b>		<b>Shoring</b> <small>(01 22 23 00-0269)</small>			
		Note: Includes delivery to job site and pick-up when complete.			
<b>01 22 23 00-0469</b>		<b>Aluminum Hydraulic Shoring</b> <small>(01 22 23 00-0468)</small>			
		Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.			
01 22 23 00-0470	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	.....	68.65	
		Note: Up to 88" spread width.			
01 22 23 00-0471	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	.....	202.49	
		Note: Up to 88" spread width.			
01 22 23 00-0472	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	.....	92.09	
		Note: Up to 88" spread width.			
01 22 23 00-0473	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	.....	271.64	
		Note: Up to 88" spread width.			
01 22 23 00-0474	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	.....	170.77	
		Note: Up to 88" spread width.			
01 22 23 00-0475	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	.....	503.76	
		Note: Up to 88" spread width.			
01 22 23 00-0476	EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores	.....	23.57	
01 22 23 00-0477	EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores	.....	37.71	
01 22 23 00-0478	EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores	.....	62.84	
<b>01 22 23 00-0479</b>		<b>Trench Boxes/Trench Shields</b> <small>(01 22 23 00-0269)</small>			
		Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.			
01 22 23 00-0480	WK	4' x 6' Trench Box With Up To 48" Spreaders	.....	187.55	
01 22 23 00-0481	MO	4' x 6' Trench Box With Up To 48" Spreaders	.....	562.65	
01 22 23 00-0482	WK	6' x 6' Trench Box With Up To 48" Spreaders	.....	211.75	
01 22 23 00-0483	MO	6' x 6' Trench Box With Up To 48" Spreaders	.....	635.25	
01 22 23 00-0484	WK	8' x 6' Trench Box With Up To 48" Spreaders	.....	223.85	
01 22 23 00-0485	MO	8' x 6' Trench Box With Up To 48" Spreaders	.....	671.55	
01 22 23 00-0486	WK	4' x 8' Trench Box With Up To 48" Spreaders	.....	205.70	
01 22 23 00-0487	MO	4' x 8' Trench Box With Up To 48" Spreaders	.....	617.10	
01 22 23 00-0488	WK	6' x 8' Trench Box With Up To 48" Spreaders	.....	242.00	
01 22 23 00-0489	MO	6' x 8' Trench Box With Up To 48" Spreaders	.....	726.00	
01 22 23 00-0490	WK	8' x 8' Trench Box With Up To 48" Spreaders	.....	272.25	
01 22 23 00-0491	MO	8' x 8' Trench Box With Up To 48" Spreaders	.....	816.75	
01 22 23 00-0492	WK	4' x 10' Trench Box With Up To 48" Spreaders	.....	229.90	
01 22 23 00-0493	MO	4' x 10' Trench Box With Up To 48" Spreaders	.....	689.70	
01 22 23 00-0494	WK	6' x 10' Trench Box With Up To 48" Spreaders	.....	272.25	
01 22 23 00-0495	MO	6' x 10' Trench Box With Up To 48" Spreaders	.....	816.75	



	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0496	WK	8' x 10' Trench Box With Up To 48" Spreaders.....	332.75	
01 22 23 00-0497	MO	8' x 10' Trench Box With Up To 48" Spreaders.....	992.20	
01 22 23 00-0498	WK	4' x 12' Trench Box With Up To 48" Spreaders.....	272.25	
01 22 23 00-0499	MO	4' x 12' Trench Box With Up To 48" Spreaders.....	816.75	
01 22 23 00-0500	WK	6' x 12' Trench Box With Up To 48" Spreaders.....	332.75	
01 22 23 00-0501	MO	6' x 12' Trench Box With Up To 48" Spreaders.....	998.25	
01 22 23 00-0502	WK	8' x 12' Trench Box With Up To 48" Spreaders.....	423.50	
01 22 23 00-0503	MO	8' x 12' Trench Box With Up To 48" Spreaders.....	1,270.50	
01 22 23 00-0504	WK	4' x 14' Trench Box With Up To 48" Spreaders.....	302.50	
01 22 23 00-0505	MO	4' x 14' Trench Box With Up To 48" Spreaders.....	907.50	
01 22 23 00-0506	WK	6' x 14' Trench Box With Up To 48" Spreaders.....	393.25	
01 22 23 00-0507	MO	6' x 14' Trench Box With Up To 48" Spreaders.....	1,179.75	
01 22 23 00-0508	WK	8' x 14' Trench Box With Up To 48" Spreaders.....	484.00	
01 22 23 00-0509	MO	8' x 14' Trench Box With Up To 48" Spreaders.....	1,452.00	
01 22 23 00-0510	WK	4' x 16' Trench Box With Up To 48" Spreaders.....	332.75	
01 22 23 00-0511	MO	4' x 16' Trench Box With Up To 48" Spreaders.....	998.25	
01 22 23 00-0512	WK	6' x 16' Trench Box With Up To 48" Spreaders.....	453.75	
01 22 23 00-0513	MO	6' x 16' Trench Box With Up To 48" Spreaders.....	1,361.25	
01 22 23 00-0514	WK	8' x 16' Trench Box With Up To 48" Spreaders.....	544.50	
01 22 23 00-0515	MO	8' x 16' Trench Box With Up To 48" Spreaders.....	1,633.50	
01 22 23 00-0516	WK	4' x 20' Trench Box With Up To 48" Spreaders.....	393.25	
01 22 23 00-0517	MO	4' x 20' Trench Box With Up To 48" Spreaders.....	1,179.75	
01 22 23 00-0518	WK	6' x 20' Trench Box With Up To 48" Spreaders.....	544.50	
01 22 23 00-0519	MO	6' x 20' Trench Box With Up To 48" Spreaders.....	1,633.50	
01 22 23 00-0520	WK	8' x 20' Trench Box With Up To 48" Spreaders.....	635.25	
01 22 23 00-0521	MO	8' x 20' Trench Box With Up To 48" Spreaders.....	1,905.75	
01 22 23 00-0522	WK	4' x 24' Trench Box With Up To 48" Spreaders.....	544.50	
01 22 23 00-0523	MO	4' x 24' Trench Box With Up To 48" Spreaders.....	1,633.50	
01 22 23 00-0524	WK	6' x 24' Trench Box With Up To 48" Spreaders.....	665.50	
01 22 23 00-0525	MO	6' x 24' Trench Box With Up To 48" Spreaders.....	1,996.50	
01 22 23 00-0526	WK	8' x 24' Trench Box With Up To 48" Spreaders.....	726.00	
01 22 23 00-0527	MO	8' x 24' Trench Box With Up To 48" Spreaders.....	2,178.00	
01 22 23 00-0528	WK	For Spreaders >48" To 84", Add.....	18.15	
01 22 23 00-0529	MO	For Spreaders >48" To 84", Add.....	54.45	
01 22 23 00-0530	WK	For Spreaders >84" To 120", Add.....	108.90	
01 22 23 00-0531	MO	For Spreaders >84" To 120", Add.....	326.70	
01 22 23 00-0532	WK	For Spreaders >120", Add.....	229.90	
01 22 23 00-0533	MO	For Spreaders >120", Add.....	689.70	
01 22 23 00-0534	WK	8' x 4' Manhole Box.....	285.86	
01 22 23 00-0535	MO	8' x 4' Manhole Box.....	857.59	
01 22 23 00-0536	WK	8' x 8' Manhole Box.....	408.38	
01 22 23 00-0537	MO	8' x 8' Manhole Box.....	1,225.13	

**01 22 23 00-0538 Trenchers** (01 22 23 00-0269)

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

01 22 23 00-0539	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,163.36	
		<i>For Equipment Without Operator, Deduct</i> .....	-796.43	
01 22 23 00-0540	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	5,232.00	
		<i>For Equipment Without Operator, Deduct</i> .....	-3,982.15	
01 22 23 00-0541	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	20,695.94	
		<i>For Equipment Without Operator, Deduct</i> .....	-17,255.99	
01 22 23 00-0542	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,782.55	
		<i>For Equipment Without Operator, Deduct</i> .....	-796.43	
01 22 23 00-0543	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	7,318.90	
		<i>For Equipment Without Operator, Deduct</i> .....	-3,982.15	
01 22 23 00-0544	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	26,429.19	
		<i>For Equipment Without Operator, Deduct</i> .....	-17,255.99	

**01 22 23 00-0545 Portable Sediment Tank** (01 22 23 00-0269)

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

01 22 23 00-0546	WK	Portable Sediment Tank.....	138.50	
01 22 23 00-0547	MO	Portable Sediment Tank.....	406.27	

**01 22 23 00-0548 Heavy Equipment (Wood Ground Protection) Mats** (01 22 23 00-0269)

Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0269 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0549	DAY	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	21.12	
01 22 23 00-0550	WK	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	50.29	
01 22 23 00-0551	MO	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	105.60	
01 22 23 00-0552	DAY	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	22.18	
01 22 23 00-0553	WK	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	52.80	
01 22 23 00-0554	MO	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	110.88	
01 22 23 00-0555	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	17.95	
01 22 23 00-0556	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	42.24	
01 22 23 00-0557	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	89.76	
01 22 23 00-0558	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	20.06	
01 22 23 00-0559	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	47.52	
01 22 23 00-0560	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	100.32	
01 22 23 00-0561	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	22.18	
01 22 23 00-0562	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	52.80	
01 22 23 00-0563	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	110.88	
01 22 23 00-0564	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	24.29	

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0565	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	57.83		
01 22 23 00-0566	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	121.44		
01 22 23 00-0567	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	19.01		
01 22 23 00-0568	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	52.80		
01 22 23 00-0569	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	95.04		
01 22 23 00-0570	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	22.18		
01 22 23 00-0571	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	52.80		
01 22 23 00-0572	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	110.88		
01 22 23 00-0573	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	26.40		
01 22 23 00-0574	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	58.08		
01 22 23 00-0575	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	132.00		
01 22 23 00-0576	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	28.51		
01 22 23 00-0577	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	67.89		
01 22 23 00-0578	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	142.56		
01 22 23 00-0579	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	30.62		
01 22 23 00-0580	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	72.91		
01 22 23 00-0581	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	153.12		
01 22 23 00-0582	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	31.68		
01 22 23 00-0583	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	75.43		
01 22 23 00-0584	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	158.40		
01 22 23 00-0585	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	10.16		
01 22 23 00-0586	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	25.40		
01 22 23 00-0587	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	76.19		
01 22 23 00-0588	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	12.14		
01 22 23 00-0589	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	30.36		
01 22 23 00-0590	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	91.08		
01 22 23 00-0591	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	13.87		
01 22 23 00-0592	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	34.67		
01 22 23 00-0593	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	104.02		
01 22 23 00-0594	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	14.78		
01 22 23 00-0595	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	36.96		
01 22 23 00-0596	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	110.88		
01 22 23 00-0597	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	16.90		
01 22 23 00-0598	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	42.24		
01 22 23 00-0599	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	126.72		
01 22 23 00-0600	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	19.42		
01 22 23 00-0601	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	48.54		
01 22 23 00-0602	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	145.62		
01 22 23 00-0603	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	14.94		
01 22 23 00-0604	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	37.35		
01 22 23 00-0605	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	112.04		
01 22 23 00-0606	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	20.23		
01 22 23 00-0607	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	50.56		
01 22 23 00-0608	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	151.69		
01 22 23 00-0609	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	17.49		
01 22 23 00-0610	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	43.72		
01 22 23 00-0611	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	131.16		
01 22 23 00-0612	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	29.17		
01 22 23 00-0613	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	72.91		
01 22 23 00-0614	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	218.74		
01 22 23 00-0615	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	31.09		
01 22 23 00-0616	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	77.72		
01 22 23 00-0617	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	233.16		

**01 22 23 00-0618 Electrical Equipment (01 22 23)**

**01 22 23 00-0619 Tripod Mounted Floodlights (01 22 23 00-0618)**

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

01 22 23 00-0620	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	62.91		
01 22 23 00-0621	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	148.85		
01 22 23 00-0622	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	314.57		
01 22 23 00-0623	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	62.91		
01 22 23 00-0624	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	184.14		
01 22 23 00-0625	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	544.75		
01 22 23 00-0626	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	70.59		
01 22 23 00-0627	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	191.81		
01 22 23 00-0628	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	468.02		

**01 22 23 00-0629 Trailer Mounted Floodlights (01 22 23 00-0618)**

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

01 22 23 00-0630	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	176.47		
01 22 23 00-0631	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	391.30		
01 22 23 00-0632	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	843.98		

**01 22 23 00-0633 Generator Sets (01 22 23 00-0618)**

**01 22 23 00-0634 Portable, Gas Or Diesel Powered Generator Sets (01 22 23 00-0633)**

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0776 for reimbursable fuel fees.

01 22 23 00-0635	DAY	3.6 KW, 8 HP Gas Powered Generator Set.....	48.39		
		For LP Or NG Gas, Add	6.05		
		For >160 To 320 Hours Usage Per Month, Add	24.20		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0636 WK 3.6 KW, 8 HP Gas Powered Generator Set.....	174.44	
For LP Or NG Gas, Add	21.81	
01 22 23 00-0637 MO 3.6 KW, 8 HP Gas Powered Generator Set.....	483.92	
For LP Or NG Gas, Add	60.49	
01 22 23 00-0638 DAY 5 KW, 11 HP Gas Powered Generator Set.....	68.65	
For LP Or NG Gas, Add	8.58	
01 22 23 00-0639 WK 5 KW, 11 HP Gas Powered Generator Set.....	219.45	
For LP Or NG Gas, Add	27.43	
01 22 23 00-0640 MO 5 KW, 11 HP Gas Powered Generator Set.....	500.80	
For LP Or NG Gas, Add	62.60	
01 22 23 00-0641 DAY 6.5 KW, 13 HP Gas Powered Generator Set.....	87.78	
For LP Or NG Gas, Add	10.97	
01 22 23 00-0642 WK 6.5 KW, 13 HP Gas Powered Generator Set.....	236.33	
For LP Or NG Gas, Add	29.54	
01 22 23 00-0643 MO 6.5 KW, 13 HP Gas Powered Generator Set.....	652.73	
For LP Or NG Gas, Add	81.59	
01 22 23 00-0644 DAY 10 KW, 18 HP Gas Powered Generator Set.....	97.91	
For LP Or NG Gas, Add	12.24	
01 22 23 00-0645 WK 10 KW, 18 HP Gas Powered Generator Set.....	264.47	
For LP Or NG Gas, Add	33.06	
01 22 23 00-0646 MO 10 KW, 18 HP Gas Powered Generator Set.....	759.64	
For LP Or NG Gas, Add	94.96	
<b>01 22 23 00-0647 Towable, Diesel Powered Generator Sets</b> <small>(01 22 23 00-0633)</small>		
Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0776 for reimbursable fuel fees.		
01 22 23 00-0648 DAY 20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	201.45	
Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	100.73	
For >16 To 24 Hours Usage Per Day, Add	201.45	
01 22 23 00-0649 WK 20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	526.69	
Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	263.35	
For >80 Hours Usage Per Week, Add	526.69	
01 22 23 00-0650 MO 20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,434.88	
Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	717.44	
For >320 Hours Usage Per Month, Add	1,434.88	
01 22 23 00-0651 DAY 30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	335.48	
Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	167.74	
For >16 To 24 Hours Usage Per Day, Add	335.48	
01 22 23 00-0652 WK 30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	995.62	
Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	497.81	
For >80 Hours Usage Per Week, Add	995.62	
01 22 23 00-0653 MO 30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,056.18	
Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	1,028.09	
For >320 Hours Usage Per Month, Add	2,056.18	
01 22 23 00-0654 DAY 40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	367.95	
Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	183.98	
For >16 To 24 Hours Usage Per Day, Add	367.95	
01 22 23 00-0655 WK 40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,028.09	
Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	514.05	
For >80 Hours Usage Per Week, Add	1,028.09	
01 22 23 00-0656 MO 40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,272.62	
Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	1,136.31	
For >320 Hours Usage Per Month, Add	2,272.62	
01 22 23 00-0657 DAY 55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	395.00	
Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	197.50	
For >16 To 24 Hours Usage Per Day, Add	395.00	
01 22 23 00-0658 WK 55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,082.20	
Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	541.10	
For >80 Hours Usage Per Week, Add	1,082.20	
01 22 23 00-0659 MO 55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,597.28	
Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	1,298.64	
For >320 Hours Usage Per Month, Add	2,597.28	

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0660	DAY		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....432.88 Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> 216.44 <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> 432.88		
01 22 23 00-0661	WK		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....1,228.30 Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> 614.15 <i>For &gt;80 Hours Usage Per Week, Add</i> 1,228.30		
01 22 23 00-0662	MO		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....2,921.94 Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> 1,460.97 <i>For &gt;320 Hours Usage Per Month, Add</i> 2,921.94		
01 22 23 00-0663	DAY		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....486.99 Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> 243.50 <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> 486.99		
01 22 23 00-0664	WK		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....1,298.64 Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> 649.32 <i>For &gt;80 Hours Usage Per Week, Add</i> 1,298.64		
01 22 23 00-0665	MO		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....3,246.60 Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> 1,623.30 <i>For &gt;320 Hours Usage Per Month, Add</i> 3,246.60		
01 22 23 00-0666	DAY		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....503.22 Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> 251.61 <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> 503.22		
01 22 23 00-0667	WK		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....1,352.75 Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> 676.38 <i>For &gt;80 Hours Usage Per Week, Add</i> 1,352.75		
01 22 23 00-0668	MO		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....3,679.48 Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> 1,839.74 <i>For &gt;320 Hours Usage Per Month, Add</i> 3,679.48		
01 22 23 00-0669	DAY		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....568.16 Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> 284.08 <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> 568.16		
01 22 23 00-0670	WK		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....1,569.19 Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> 784.60 <i>For &gt;80 Hours Usage Per Week, Add</i> 1,569.19		
01 22 23 00-0671	MO		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....4,220.58 Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> 2,110.29 <i>For &gt;320 Hours Usage Per Month, Add</i> 4,220.58		
01 22 23 00-0672	DAY		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....595.21 Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> 297.61 <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> 595.21		
01 22 23 00-0673	WK		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....1,650.36 Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> 825.18 <i>For &gt;80 Hours Usage Per Week, Add</i> 1,650.36		
01 22 23 00-0674	MO		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....4,653.46 Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> 2,326.73 <i>For &gt;320 Hours Usage Per Month, Add</i> 4,653.46		
01 22 23 00-0675	DAY		150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....622.26 Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> 311.13 <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> 622.26		
01 22 23 00-0676	WK		150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....1,785.63 Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> 892.82 <i>For &gt;80 Hours Usage Per Week, Add</i> 1,785.63		
01 22 23 00-0677	MO		150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....4,869.90 Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> 2,434.95 <i>For &gt;320 Hours Usage Per Month, Add</i> 4,869.90		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0678	DAY		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....649.32 Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 324.66 For >16 To 24 Hours Usage Per Day, Add 649.32	649.32	
01 22 23 00-0679	WK		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....1,893.85 Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 946.93 For >80 Hours Usage Per Week, Add 1,893.85	1,893.85	
01 22 23 00-0680	MO		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....5,086.34 Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 2,543.17 For >320 Hours Usage Per Month, Add 5,086.34	5,086.34	
01 22 23 00-0681	DAY		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....649.32 Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 324.66 For >16 To 24 Hours Usage Per Day, Add 649.32	649.32	
01 22 23 00-0682	WK		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....1,893.85 Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 946.93 For >80 Hours Usage Per Week, Add 1,893.85	1,893.85	
01 22 23 00-0683	MO		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....5,086.34 Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 2,543.17 For >320 Hours Usage Per Month, Add 5,086.34	5,086.34	
01 22 23 00-0684	DAY		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....892.82 Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 446.41 For >16 To 24 Hours Usage Per Day, Add 892.82	892.82	
01 22 23 00-0685	WK		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....2,218.51 Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 1,109.26 For >80 Hours Usage Per Week, Add 2,218.51	2,218.51	
01 22 23 00-0686	MO		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....6,493.20 Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 3,246.60 For >320 Hours Usage Per Month, Add 6,493.20	6,493.20	
01 22 23 00-0687	DAY		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....946.92 Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 473.46 For >16 To 24 Hours Usage Per Day, Add 946.92	946.92	
01 22 23 00-0688	WK		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....2,272.62 Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 1,136.31 For >80 Hours Usage Per Week, Add 2,272.62	2,272.62	
01 22 23 00-0689	MO		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....6,709.64 Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 3,354.82 For >320 Hours Usage Per Month, Add 6,709.64	6,709.64	
01 22 23 00-0690	DAY		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....1,001.04 Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 500.52 For >16 To 24 Hours Usage Per Day, Add 1,001.04	1,001.04	
01 22 23 00-0691	WK		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....2,326.73 Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 1,163.37 For >80 Hours Usage Per Week, Add 2,326.73	2,326.73	
01 22 23 00-0692	MO		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....6,926.08 Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 3,463.04 For >320 Hours Usage Per Month, Add 6,926.08	6,926.08	
01 22 23 00-0693	DAY		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....1,033.50 Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 516.75 For >16 To 24 Hours Usage Per Day, Add 1,033.50	1,033.50	
01 22 23 00-0694	WK		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....2,489.06 Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 1,244.53 For >80 Hours Usage Per Week, Add 2,489.06	2,489.06	
01 22 23 00-0695	MO		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....7,358.96 Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 3,679.48 For >320 Hours Usage Per Month, Add 7,358.96	7,358.96	

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0696	DAY		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	1,082.20 541.10 1,082.20	
01 22 23 00-0697	WK		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	2,813.72 1,406.86 2,813.72	
01 22 23 00-0698	MO		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	8,116.50 4,058.25 8,116.50	
01 22 23 00-0699	DAY		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	1,523.92 761.96 1,523.92	
01 22 23 00-0700	WK		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	3,940.06 1,970.03 3,940.06	
01 22 23 00-0701	MO		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	10,420.00 5,210.00 10,420.00	
01 22 23 00-0702	DAY		500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	1,953.75 976.88 1,953.75	
01 22 23 00-0703	WK		500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	5,079.75 2,539.88 5,079.75	
01 22 23 00-0704	MO		500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	11,722.50 5,861.25 11,722.50	
01 22 23 00-0705	DAY		640.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	2,416.14 1,208.07 2,416.14	
01 22 23 00-0706	WK		640.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	6,382.25 3,191.13 6,382.25	
01 22 23 00-0707	MO		640.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	15,630.00 7,815.00 15,630.00	
01 22 23 00-0708	DAY		750.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	2,611.51 1,305.76 2,611.51	
01 22 23 00-0709	WK		750.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	6,017.55 3,008.78 6,017.55	
01 22 23 00-0710	MO		750.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	18,052.65 9,026.33 18,052.65	
01 22 23 00-0711	EA		Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up .....	836.04	
01 22 23 00-0712	EA		350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	1,347.42	
01 22 23 00-0713			<b>Generator Accessories</b> (01 22 23 00-0633) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0714			<b>Step Down Transformer</b> (01 22 23 00-0713)		
01 22 23 00-0715	WK		75 KVA, 480-208 Volt, Step Down Transformer.....	319.25	
01 22 23 00-0716	MO		75 KVA, 480-208 Volt, Step Down Transformer.....	892.82	
01 22 23 00-0717	WK		150 KVA, 480-208 Volt, Step Down Transformer.....	511.88	
01 22 23 00-0718	MO		150 KVA, 480-208 Volt, Step Down Transformer.....	1,534.56	
01 22 23 00-0719	WK		225 KVA, 480-208 Volt, Step Down Transformer.....	681.79	
01 22 23 00-0720	MO		225 KVA, 480-208 Volt, Step Down Transformer.....	2,045.36	
01 22 23 00-0721	WK		500 KVA, 480-208 Volt, Step Down Transformer.....	811.65	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0722	MO 500 KVA, 480-208 Volt, Step Down Transformer.....	2,434.95	
01 22 23 00-0723	WK 1,000 KVA, 4, 160/480 Volt, Step Down Transformer.....	1,212.06	
01 22 23 00-0724	MO 1,000 KVA, 4, 160/480 Volt, Step Down Transformer.....	3,619.96	
01 22 23 00-0725	WK 1,500 KVA, 4, 160/480 Volt, Step Down Transformer.....	1,969.60	
01 22 23 00-0726	MO 1,500 KVA, 4, 160/480 Volt, Step Down Transformer.....	5,903.40	
01 22 23 00-0727	WK 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer.....	2,272.62	
01 22 23 00-0728	MO 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer.....	6,817.86	

**01 22 23 00-0729 Portable Panel (01 22 23 00-0713)**

01 22 23 00-0730	WK 100 Amperes, Portable Panel.....	254.32	
01 22 23 00-0731	MO 100 Amperes, Portable Panel.....	649.32	
01 22 23 00-0732	WK 200 Amperes, Portable Panel.....	304.10	
01 22 23 00-0733	MO 200 Amperes, Portable Panel.....	811.65	
01 22 23 00-0734	WK 400 Amperes, Portable Panel.....	324.66	
01 22 23 00-0735	MO 400 Amperes, Portable Panel.....	973.98	

**01 22 23 00-0736 Portable Fusible Disconnect (01 22 23 00-0713)**

01 22 23 00-0737	WK 100 - 200 Amperes, Portable Fusible Disconnect.....	113.63	
01 22 23 00-0738	MO 100 - 200 Amperes, Portable Fusible Disconnect.....	340.89	
01 22 23 00-0739	WK 300 - 400 Amperes, Portable Fusible Disconnect.....	227.26	
01 22 23 00-0740	MO 300 - 400 Amperes, Portable Fusible Disconnect.....	681.79	

**01 22 23 00-0741 Portable Transfer Switch (01 22 23 00-0713)**

01 22 23 00-0742	WK 100 Amperes, 480 Volt, Portable Transfer Switch.....	340.89	
01 22 23 00-0743	MO 100 Amperes, 480 Volt, Portable Transfer Switch.....	1,022.68	
01 22 23 00-0744	WK 200 Amperes, 480 Volt, Portable Transfer Switch.....	454.52	
01 22 23 00-0745	MO 200 Amperes, 480 Volt, Portable Transfer Switch.....	1,363.57	
01 22 23 00-0746	WK 400 Amperes, 480 Volt, Portable Transfer Switch.....	568.16	
01 22 23 00-0747	MO 400 Amperes, 480 Volt, Portable Transfer Switch.....	1,704.46	

**01 22 23 00-0748 Cabling For Generator Sets (01 22 23 00-0633)**

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

01 22 23 00-0749	DAY #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	23.81	
01 22 23 00-0750	WK #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	41.66	
01 22 23 00-0751	MO #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	124.99	
01 22 23 00-0752	DAY 50', 4/0 Cable With Camlock Ends For Generator Set.....	11.90	
01 22 23 00-0753	WK 50', 4/0 Cable With Camlock Ends For Generator Set.....	34.63	
01 22 23 00-0754	MO 50', 4/0 Cable With Camlock Ends For Generator Set.....	96.32	

**01 22 23 00-0755 Resistive Loadbanks For Generator Sets (01 22 23 00-0633)**

Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0776 for reimbursable fuel fees.

01 22 23 00-0756	DAY 100 KW A/C Resistive Loadbank.....	396.67	
01 22 23 00-0757	WK 100 KW A/C Resistive Loadbank.....	979.01	
01 22 23 00-0758	MO 100 KW A/C Resistive Loadbank.....	2,928.59	
01 22 23 00-0759	DAY 650 KW A/C Resistive Loadbank.....	668.43	
01 22 23 00-0760	WK 650 KW A/C Resistive Loadbank.....	1,787.54	
01 22 23 00-0761	MO 650 KW A/C Resistive Loadbank.....	4,557.46	

**01 22 23 00-0762 Sub-Distribution Panels (Spider Box) For Generator Sets (01 22 23 00-0633)**

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

01 22 23 00-0763	DAY 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	58.44	
01 22 23 00-0764	WK 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	151.51	
01 22 23 00-0765	MO 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	427.47	

**01 22 23 00-0766 Portable Distribution Panels For Generator Sets (01 22 23 00-0633)**

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

01 22 23 00-0767	DAY 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	129.86	
01 22 23 00-0768	WK 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	351.72	
01 22 23 00-0769	MO 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	984.80	
01 22 23 00-0770	DAY 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	106.06	
01 22 23 00-0771	WK 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	275.96	
01 22 23 00-0772	MO 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	784.60	
01 22 23 00-0773	DAY 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	135.28	
01 22 23 00-0774	WK 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	340.89	
01 22 23 00-0775	MO 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	925.28	

**01 22 23 00-0776 Fuel Reimbursement For Generators (01 22 23 00-0633)**

01 22 23 00-0777	EA Fuel Reimbursement For Generators.....	1.00	
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Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0778			<b>Portable Floor Drying Fans</b> (01 22 23 00-0618) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0779	DAY		2,250 CFM Portable Floor Drying Fan .....	19.92	
01 22 23 00-0780	WK		2,250 CFM Portable Floor Drying Fan .....	92.12	
01 22 23 00-0781	MO		2,250 CFM Portable Floor Drying Fan .....	304.98	
01 22 23 00-0782			<b>General Equipment</b> (01 22 23)		
01 22 23 00-0783			<b>Pressure Washers</b> (01 22 23 00-0782) Note: Includes delivery to job site, pick-up when complete and full time operator.		
01 22 23 00-0784	DAY		2,000 PSI Pressure Washer With Full-Time Operator .....	703.68	
			For Equipment Without Operator, Deduct .....	-598.35	
01 22 23 00-0785	WK		2,000 PSI Pressure Washer With Full-Time Operator .....	3,259.12	
			For Equipment Without Operator, Deduct .....	-2,991.75	
01 22 23 00-0786	MO		2,000 PSI Pressure Washer With Full-Time Operator .....	13,644.81	
			For Equipment Without Operator, Deduct .....	-12,964.24	
01 22 23 00-0787	DAY		2,500 PSI Pressure Washer With Full-Time Operator .....	703.53	
			For Equipment Without Operator, Deduct .....	-598.35	
01 22 23 00-0788	WK		2,500 PSI Pressure Washer With Full-Time Operator .....	3,258.74	
			For Equipment Without Operator, Deduct .....	-2,991.75	
01 22 23 00-0789	MO		2,500 PSI Pressure Washer With Full-Time Operator .....	13,643.84	
			For Equipment Without Operator, Deduct .....	-12,964.24	
01 22 23 00-0790	DAY		3,000 PSI Pressure Washer With Full-Time Operator .....	703.68	
			For Equipment Without Operator, Deduct .....	-598.35	
01 22 23 00-0791	WK		3,000 PSI Pressure Washer With Full-Time Operator .....	3,259.12	
			For Equipment Without Operator, Deduct .....	-2,991.75	
01 22 23 00-0792	MO		3,000 PSI Pressure Washer With Full-Time Operator .....	13,644.81	
			For Equipment Without Operator, Deduct .....	-12,964.24	
01 22 23 00-0793	DAY		3,500 PSI Pressure Washer With Full-Time Operator .....	711.62	
			For Equipment Without Operator, Deduct .....	-598.35	
01 22 23 00-0794	WK		3,500 PSI Pressure Washer With Full-Time Operator .....	3,283.01	
			For Equipment Without Operator, Deduct .....	-2,991.75	
01 22 23 00-0795	MO		3,500 PSI Pressure Washer With Full-Time Operator .....	13,708.57	
			For Equipment Without Operator, Deduct .....	-12,964.24	
01 22 23 00-0796	DAY		4,000 PSI Pressure Washer With Full-Time Operator .....	744.19	
			For Equipment Without Operator, Deduct .....	-598.35	
01 22 23 00-0797	WK		4,000 PSI Pressure Washer With Full-Time Operator .....	3,388.75	
			For Equipment Without Operator, Deduct .....	-2,991.75	
01 22 23 00-0798	MO		4,000 PSI Pressure Washer With Full-Time Operator .....	14,074.21	
			For Equipment Without Operator, Deduct .....	-12,964.24	
01 22 23 00-0799	DAY		5,000 PSI Pressure Washer With Full-Time Operator .....	760.16	
			For Equipment Without Operator, Deduct .....	-598.35	
01 22 23 00-0800	WK		5,000 PSI Pressure Washer With Full-Time Operator .....	3,428.64	
			For Equipment Without Operator, Deduct .....	-2,991.75	
01 22 23 00-0801	MO		5,000 PSI Pressure Washer With Full-Time Operator .....	14,194.00	
			For Equipment Without Operator, Deduct .....	-12,964.24	
01 22 23 00-0802			<b>Jacks And Bracing</b> (01 22 23 00-0782) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0803			<b>Manual Hydraulic Jacks</b> (01 22 23 00-0802)		
01 22 23 00-0804	DAY		12 Ton Manual Hydraulic Bottle Jack .....	1.67	
01 22 23 00-0805	WK		12 Ton Manual Hydraulic Bottle Jack .....	7.93	
01 22 23 00-0806	MO		12 Ton Manual Hydraulic Bottle Jack .....	28.50	
01 22 23 00-0807	DAY		20 Ton Manual Hydraulic Bottle Jack .....	2.92	
01 22 23 00-0808	WK		20 Ton Manual Hydraulic Bottle Jack .....	9.18	
01 22 23 00-0809	MO		20 Ton Manual Hydraulic Bottle Jack .....	34.76	
01 22 23 00-0810	DAY		50 Ton Manual Hydraulic Bottle Jack .....	10.43	
01 22 23 00-0811	WK		50 Ton Manual Hydraulic Bottle Jack .....	40.49	
01 22 23 00-0812	MO		50 Ton Manual Hydraulic Bottle Jack .....	145.66	
01 22 23 00-0813	DAY		100 Ton Manual Hydraulic Bottle Jack .....	14.61	
01 22 23 00-0814	WK		100 Ton Manual Hydraulic Bottle Jack .....	58.43	
01 22 23 00-0815	MO		100 Ton Manual Hydraulic Bottle Jack .....	210.46	
01 22 23 00-0816			<b>Manual Screw Jacks</b> (01 22 23 00-0802)		
01 22 23 00-0817	DAY		10 To 20 Ton Manual Screw Jack .....	18.92	
01 22 23 00-0818	WK		10 To 20 Ton Manual Screw Jack .....	50.94	
01 22 23 00-0819	MO		10 To 20 Ton Manual Screw Jack .....	141.16	
01 22 23 00-0820			<b>Confined Space Entry Equipment</b> (01 22 23 00-0782) Note: Includes delivery to job site, set-up, and pick-up when complete.		
01 22 23 00-0821	DAY		Ventilation Equipment For Confined Space .....	39.99	
			Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0822	WK		Ventilation Equipment For Confined Space .....	119.96	
			Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0823	MO		Ventilation Equipment For Confined Space .....	357.99	
			Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0824	DAY		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly .....	44.26	
01 22 23 00-0825	WK		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly .....	132.77	
01 22 23 00-0826	MO		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly .....	398.32	
01 22 23 00-0827	DAY		Confined Space Air Monitor Personnel .....	756.04	
			Note: Per person day.		



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**01 22 23 00-0828 High Volume Vacuums** (01 22 23 00-0782)  
 Note: Includes delivery to job site, set-up, pick-up when complete and full time operator.

01 22 23 00-0829	DAY 500 Gallon High Volume Vacuum With Full-Time Operator .....	1,148.86	
	<i>For Equipment Without Operator, Deduct</i>	-756.04	
01 22 23 00-0830	WK 500 Gallon High Volume Vacuum With Full-Time Operator .....	4,880.13	
	<i>For Equipment Without Operator, Deduct</i>	-3,780.22	
01 22 23 00-0831	MO 500 Gallon High Volume Vacuum With Full-Time Operator .....	20,152.08	
	<i>For Equipment Without Operator, Deduct</i>	-16,380.96	

**01 22 23 00-0832 Portable Dehumidifiers** (01 22 23 00-0782)  
 Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.

01 22 23 00-0833	DAY 7.5 To 10 Gallons Per Day, Portable Dehumidifier .....	62.22	
01 22 23 00-0834	WK 7.5 To 10 Gallons Per Day, Portable Dehumidifier .....	203.63	
01 22 23 00-0835	MO 7.5 To 10 Gallons Per Day, Portable Dehumidifier .....	576.96	
01 22 23 00-0836	DAY 16 To 25 Gallons Per Day, Portable Dehumidifier .....	91.64	
01 22 23 00-0837	WK 16 To 25 Gallons Per Day, Portable Dehumidifier .....	294.14	
01 22 23 00-0838	MO 16 To 25 Gallons Per Day, Portable Dehumidifier .....	820.19	

**01 22 23 00-0839 Space Heaters** (01 22 23 00-0782)  
 Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.

01 22 23 00-0840	DAY 150,000 BTU/Hour Space Heater .....	64.37	
01 22 23 00-0841	WK 150,000 BTU/Hour Space Heater .....	185.06	
01 22 23 00-0842	MO 150,000 BTU/Hour Space Heater .....	522.99	
01 22 23 00-0843	DAY 500,000 BTU/Hour Space Heater .....	136.78	
01 22 23 00-0844	WK 500,000 BTU/Hour Space Heater .....	337.93	
01 22 23 00-0845	MO 500,000 BTU/Hour Space Heater .....	854.49	

**01 22 23 00-0846 Mowers** (01 22 23 00-0782)  
 Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0847	DAY 21" Walk Behind Lawn Mower .....	64.72	
01 22 23 00-0848	WK 21" Walk Behind Lawn Mower .....	186.08	
01 22 23 00-0849	MO 21" Walk Behind Lawn Mower .....	380.25	
01 22 23 00-0850	DAY 32" Walk Behind Lawn Mower .....	80.90	
01 22 23 00-0851	WK 32" Walk Behind Lawn Mower .....	194.17	
01 22 23 00-0852	MO 32" Walk Behind Lawn Mower .....	404.52	
01 22 23 00-0853	DAY 36" To 48" Walk Behind Deck Mower .....	145.63	
01 22 23 00-0854	WK 36" To 48" Walk Behind Deck Mower .....	404.52	
01 22 23 00-0855	MO 36" To 48" Walk Behind Deck Mower .....	1,173.12	
01 22 23 00-0856	DAY 61" To 72" Walk Behind Deck Mower .....	145.63	
01 22 23 00-0857	WK 61" To 72" Walk Behind Deck Mower .....	404.52	
01 22 23 00-0858	MO 61" To 72" Walk Behind Deck Mower .....	1,173.12	

**01 22 23 00-0859 Material Handling Equipment** (01 22 23)

**01 22 23 00-0860 Truck Mounted Hydraulic Cranes** (01 22 23 00-0859)  
 Note: Includes full-time operator. Include delivery, set-up, rigging, and removal time in rental period. Excludes lattice boom extension.

01 22 23 00-0861	DAY 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	1,211.40	
	<i>For Equipment Without Operator, Deduct</i>	-806.32	
01 22 23 00-0862	WK 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	5,258.72	
	<i>For Equipment Without Operator, Deduct</i>	-4,031.58	
01 22 23 00-0863	MO 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	21,163.54	
	<i>For Equipment Without Operator, Deduct</i>	-17,470.20	
01 22 23 00-0864	DAY 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	1,318.62	
	<i>For Equipment Without Operator, Deduct</i>	-806.32	
01 22 23 00-0865	WK 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	5,577.42	
	<i>For Equipment Without Operator, Deduct</i>	-4,031.58	
01 22 23 00-0866	MO 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	22,116.66	
	<i>For Equipment Without Operator, Deduct</i>	-17,470.20	
01 22 23 00-0867	DAY 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	1,425.85	
	<i>For Equipment Without Operator, Deduct</i>	-806.32	
01 22 23 00-0868	WK 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	5,896.12	
	<i>For Equipment Without Operator, Deduct</i>	-4,031.58	
01 22 23 00-0869	MO 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	23,069.78	
	<i>For Equipment Without Operator, Deduct</i>	-17,470.20	
01 22 23 00-0870	DAY 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	1,568.82	
	<i>For Equipment Without Operator, Deduct</i>	-806.32	
01 22 23 00-0871	WK 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	6,325.02	
	<i>For Equipment Without Operator, Deduct</i>	-4,031.58	
01 22 23 00-0872	MO 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	24,350.54	
	<i>For Equipment Without Operator, Deduct</i>	-17,470.20	
01 22 23 00-0873	DAY 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	1,699.87	
	<i>For Equipment Without Operator, Deduct</i>	-806.32	
01 22 23 00-0874	WK 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	7,212.62	
	<i>For Equipment Without Operator, Deduct</i>	-4,031.58	
01 22 23 00-0875	MO 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	27,010.93	
	<i>For Equipment Without Operator, Deduct</i>	-17,470.20	
01 22 23 00-0876	DAY 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	2,009.63	
	<i>For Equipment Without Operator, Deduct</i>	-806.32	
01 22 23 00-0877	WK 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	8,320.62	
	<i>For Equipment Without Operator, Deduct</i>	-4,031.58	
01 22 23 00-0878	MO 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	30,337.32	
	<i>For Equipment Without Operator, Deduct</i>	-17,470.20	

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0879	DAY	50	To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,206.22 -806.32	
01 22 23 00-0880	WK	50	To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,011.63 -4,031.58	
01 22 23 00-0881	MO	50	To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	32,415.12 -17,470.20	
01 22 23 00-0882	DAY	60	To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,361.10 -806.32	
01 22 23 00-0883	WK	60	To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,571.59 -4,031.58	
01 22 23 00-0884	MO	60	To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	34,092.61 -17,470.20	
01 22 23 00-0885	DAY	70	To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,515.98 -806.32	
01 22 23 00-0886	WK	70	To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,131.55 -4,031.58	
01 22 23 00-0887	MO	70	To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	35,770.10 -17,470.20	
01 22 23 00-0888	DAY	90	Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,617.25 -806.32	
01 22 23 00-0889	WK	90	Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,477.05 -4,031.58	
01 22 23 00-0890	MO	90	Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	36,818.54 -17,470.20	
01 22 23 00-0891	DAY	100	Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,744.37 -796.43	
01 22 23 00-0892	WK	100	Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,939.93 -3,982.15	
01 22 23 00-0893	MO	100	Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	38,129.32 -17,255.99	

**01 22 23 00-0894 Cable Controlled Lattice Boom, Truck Mounted Mechanical Cranes** (01 22 23 00-0859)

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

01 22 23 00-0895	DAY	75	To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,236.00 -806.32	
01 22 23 00-0896	WK	75	To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,130.77 -4,031.58	
01 22 23 00-0897	MO	75	To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	32,767.78 -17,470.20	
01 22 23 00-0898	DAY	100	To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,338.04 -806.32	
01 22 23 00-0899	WK	100	To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,965.53 -4,031.58	
01 22 23 00-0900	MO	100	To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	38,272.04 -17,470.20	
01 22 23 00-0901	DAY	125	Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,516.76 -806.32	
01 22 23 00-0902	WK	125	Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	12,270.11 -4,031.58	
01 22 23 00-0903	MO	125	Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	42,184.60 -17,470.20	
01 22 23 00-0904	DAY	150	Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,874.18 -806.32	
01 22 23 00-0905	WK	150	Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	13,574.69 -4,031.58	
01 22 23 00-0906	MO	150	Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	46,092.39 -17,470.20	
01 22 23 00-0907	DAY	200	Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,043.95 -806.32	
01 22 23 00-0908	WK	200	Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	14,879.28 -4,031.58	
01 22 23 00-0909	MO	200	Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	50,009.72 -17,470.20	
01 22 23 00-0910	DAY	250	Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,213.72 -806.32	
01 22 23 00-0911	WK	250	Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	16,183.86 -4,031.58	
01 22 23 00-0912	MO	250	Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	53,927.04 -17,470.20	
01 22 23 00-0913	DAY	300	Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,773.68 -806.32	
01 22 23 00-0914	WK	300	Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	18,191.37 -4,031.58	
01 22 23 00-0915	MO	300	Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	59,941.23 -17,470.20	
01 22 23 00-0916	DAY	500	Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,216.83 -806.32	
01 22 23 00-0917	WK	500	Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	30,462.79 -4,031.58	
01 22 23 00-0918	MO	500	Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	96,769.78 -17,470.20	

**01 22 23 00-0919 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts** (01 22 23 00-0859)

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

01 22 23 00-0920	DAY	5,000	LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,334.55 -756.04	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0921 WK 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	5,196.05 -3,780.22	
01 22 23 00-0922 MO 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	19,425.76 -16,380.96	
01 22 23 00-0923 DAY 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,395.45 -756.04	
01 22 23 00-0924 WK 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	5,333.07 -3,780.22	
01 22 23 00-0925 MO 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	19,730.24 -16,380.96	
01 22 23 00-0926 DAY 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,380.22 -756.04	
01 22 23 00-0927 WK 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	5,401.58 -3,780.22	
01 22 23 00-0928 MO 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	20,186.96 -16,380.96	
01 22 23 00-0929 DAY 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,555.30 -756.04	
01 22 23 00-0930 WK 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	5,858.30 -3,780.22	
01 22 23 00-0931 MO 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	21,252.64 -16,380.96	
 <b>01 22 23 00-0932 Straight Mast, Rough Terrain Construction Forklifts (01 22 23 00-0859)</b>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0933 DAY 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,132.07 -756.04 75.21	
01 22 23 00-0934 WK 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	4,807.08 -3,780.22 205.37	
01 22 23 00-0935 MO 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	18,731.16 -16,380.96 470.04	
01 22 23 00-0936 DAY 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,151.86 -756.04 79.16	
01 22 23 00-0937 WK 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	4,861.12 -3,780.22 216.18	
01 22 23 00-0938 MO 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	18,854.86 -16,380.96 494.78	
01 22 23 00-0939 DAY 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,258.43 -756.04 100.48	
01 22 23 00-0940 WK 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	5,157.99 -3,780.22 275.55	
01 22 23 00-0941 MO 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	19,539.94 -16,380.96 631.80	
01 22 23 00-0942 DAY 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,317.12 -756.04 112.22	
01 22 23 00-0943 WK 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	5,132.57 -3,780.22 270.47	
01 22 23 00-0944 MO 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	19,747.44 -16,380.96 673.30	
 <b>01 22 23 00-0945 Straight Mast, Industrial Warehouse Forklifts (01 22 23 00-0859)</b>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0946 DAY 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,075.74 -756.04 63.94	
01 22 23 00-0947 WK 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	4,510.97 -3,780.22 146.15	
01 22 23 00-0948 MO 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	18,131.72 -16,380.96 350.15	
01 22 23 00-0949 DAY 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,083.36 -756.04 65.46	
01 22 23 00-0950 WK 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	4,533.81 -3,780.22 150.72	
01 22 23 00-0951 MO 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	18,185.00 -16,380.96 360.81	
01 22 23 00-0952 DAY 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,243.21 -756.04 97.43	

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0953	WK		8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	4,883.96 -3,780.22 220.75	
01 22 23 00-0954	MO		8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	19,045.16 -16,380.96 532.84	
01 22 23 00-0955	DAY		12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,258.43 -756.04 100.48	
01 22 23 00-0956	WK		12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	5,013.36 -3,780.22 246.63	
01 22 23 00-0957	MO		12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	19,501.88 -16,380.96 624.18	
01 22 23 00-0958	DAY		15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,395.45 -756.04 127.88	
01 22 23 00-0959	WK		15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	5,234.11 -3,780.22 290.78	
01 22 23 00-0960	MO		15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	19,882.48 -16,380.96 700.30	
<b>01 22 23 00-0961</b>			<b>Chain Hoists</b> <small>(01 22 23 00-0859)</small> Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0962	DAY		1 Ton, 20' Lift, Manual Chain Hoist .....	12.52	
01 22 23 00-0963	WK		1 Ton, 20' Lift, Manual Chain Hoist .....	32.55	
01 22 23 00-0964	MO		1 Ton, 20' Lift, Manual Chain Hoist .....	96.40	
01 22 23 00-0965	DAY		3 Ton, 20' Lift, Manual Chain Hoist .....	35.06	
01 22 23 00-0966	WK		3 Ton, 20' Lift, Manual Chain Hoist .....	82.63	
01 22 23 00-0967	MO		3 Ton, 20' Lift, Manual Chain Hoist .....	231.62	
01 22 23 00-0968	DAY		5 Ton, 20' Lift, Manual Chain Hoist .....	45.07	
01 22 23 00-0969	WK		5 Ton, 20' Lift, Manual Chain Hoist .....	121.44	
01 22 23 00-0970	MO		5 Ton, 20' Lift, Manual Chain Hoist .....	338.04	
01 22 23 00-0971	DAY		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	88.89	
01 22 23 00-0972	WK		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	231.62	
01 22 23 00-0973	MO		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	626.00	
01 22 23 00-0974	DAY		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	90.14	
01 22 23 00-0975	WK		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	241.01	
01 22 23 00-0976	MO		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	657.30	
01 22 23 00-0977	DAY		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	92.65	
01 22 23 00-0978	WK		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	259.79	
01 22 23 00-0979	MO		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	719.90	
<b>01 22 23 00-0980</b>			<b>Roof Swing Hoist</b> <small>(01 22 23 00-0859)</small> Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0981	DAY		Up To 400#, Manual Swing Roof Hoist .....	69.18	
01 22 23 00-0982	WK		Up To 400#, Manual Swing Roof Hoist .....	242.15	
01 22 23 00-0983	MO		Up To 400#, Manual Swing Roof Hoist .....	830.22	
<b>01 22 23 00-0984</b>			<b>Pumping Equipment</b> <small>(01 22 23)</small>		
<b>01 22 23 00-0985</b>			<b>Gas Powered Portable Centrifugal Pumps</b> <small>(01 22 23 00-0984)</small> Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1009 for larger diameter pumps.		
01 22 23 00-0986	DAY		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump .....	67.39	
01 22 23 00-0987	WK		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump .....	151.62	
01 22 23 00-0988	MO		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump .....	404.33	
01 22 23 00-0989	DAY		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump .....	80.87	
01 22 23 00-0990	WK		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump .....	181.95	
01 22 23 00-0991	MO		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump .....	485.19	
<b>01 22 23 00-0992</b>			<b>Gas Powered Portable Diaphragm Pumps</b> <small>(01 22 23 00-0984)</small> Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0993	DAY		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump .....	77.50	
01 22 23 00-0994	WK		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump .....	219.01	
01 22 23 00-0995	MO		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump .....	555.95	
01 22 23 00-0996	DAY		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump .....	94.34	
01 22 23 00-0997	WK		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump .....	252.70	
01 22 23 00-0998	MO		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump .....	716.00	
<b>01 22 23 00-0999</b>			<b>Gas Powered Portable Trash Pumps</b> <small>(01 22 23 00-0984)</small> Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1000	DAY		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump .....	97.71	
01 22 23 00-1001	WK		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump .....	202.16	
01 22 23 00-1002	MO		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump .....	606.49	
01 22 23 00-1003	DAY		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump .....	97.71	
01 22 23 00-1004	WK		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump .....	261.13	
01 22 23 00-1005	MO		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump .....	716.00	
01 22 23 00-1006	DAY		35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump .....	154.99	

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1007	WK	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump .....	438.02	
01 22 23 00-1008	MO	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump .....	1,271.95	

**01 22 23 00-1009 Diesel Powered Portable Trash Pumps** (01 22 23 00-0984)  
 Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1010	DAY	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump .....	303.25	
01 22 23 00-1011	WK	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump .....	825.50	
01 22 23 00-1012	MO	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump .....	3,596.83	
01 22 23 00-1013	DAY	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	463.29	
01 22 23 00-1014	WK	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	1,212.98	
01 22 23 00-1015	MO	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	3,226.20	
01 22 23 00-1016	DAY	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	630.08	
01 22 23 00-1017	WK	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	1,686.38	
01 22 23 00-1018	MO	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	4,511.63	
01 22 23 00-1019	DAY	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump .....	815.39	
01 22 23 00-1020	WK	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump .....	2,082.29	
01 22 23 00-1021	MO	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump .....	6,115.46	

**01 22 23 00-1022 Diesel Powered Portable High Head Trash Pumps** (01 22 23 00-0984)  
 Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1023	DAY	27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump .....	404.33	
01 22 23 00-1024	WK	27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump .....	909.74	
01 22 23 00-1025	MO	27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump .....	2,425.97	
01 22 23 00-1026	DAY	90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump .....	606.49	
01 22 23 00-1027	WK	90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump .....	1,622.37	
01 22 23 00-1028	MO	90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump .....	4,548.69	
01 22 23 00-1029	DAY	135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump .....	741.27	
01 22 23 00-1030	WK	135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump .....	1,667.85	
01 22 23 00-1031	MO	135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump .....	4,447.61	

**01 22 23 00-1032 Diesel Powered Portable Silenced Environmental Trash Pumps** (01 22 23 00-0984)  
 Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1033	DAY	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump .....	432.97	
01 22 23 00-1034	WK	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump .....	985.55	
01 22 23 00-1035	MO	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump .....	3,072.89	
01 22 23 00-1036	DAY	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump .....	530.68	
01 22 23 00-1037	WK	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump .....	1,322.49	
01 22 23 00-1038	MO	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump .....	3,596.83	
01 22 23 00-1039	DAY	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump .....	640.19	
01 22 23 00-1040	WK	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump .....	1,893.60	
01 22 23 00-1041	MO	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump .....	5,281.53	
01 22 23 00-1042	DAY	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump .....	963.65	
01 22 23 00-1043	WK	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump .....	2,461.35	
01 22 23 00-1044	MO	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump .....	7,227.36	

**01 22 23 00-1045 3 Phase Electric Submersible Pumps** (01 22 23 00-0984)  
 Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1046	DAY	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump .....	168.47	
01 22 23 00-1047	WK	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump .....	421.18	
01 22 23 00-1048	MO	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump .....	1,263.52	
01 22 23 00-1049	DAY	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump .....	222.38	
01 22 23 00-1050	WK	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump .....	555.95	
01 22 23 00-1051	MO	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump .....	1,667.85	

**01 22 23 00-1052 Suction Hose With Couplings** (01 22 23 00-0984)  
 Note: Includes delivery, set-up, and removal.

01 22 23 00-1053	DAY	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings .....	6.00	
01 22 23 00-1054	WK	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings .....	15.00	
01 22 23 00-1055	MO	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings .....	46.00	
01 22 23 00-1056	DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings .....	16.00	
01 22 23 00-1057	WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings .....	41.00	
01 22 23 00-1058	MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings .....	125.00	
01 22 23 00-1059	DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings .....	24.00	
01 22 23 00-1060	WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings .....	61.00	
01 22 23 00-1061	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings .....	185.00	
01 22 23 00-1062	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings .....	30.00	
01 22 23 00-1063	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings .....	75.00	
01 22 23 00-1064	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings .....	220.00	
01 22 23 00-1065	DAY	10" Inside Diameter, 20' Length, Suction Hose With Couplings .....	70.00	
01 22 23 00-1066	WK	10" Inside Diameter, 20' Length, Suction Hose With Couplings .....	180.00	
01 22 23 00-1067	MO	10" Inside Diameter, 20' Length, Suction Hose With Couplings .....	530.00	
01 22 23 00-1068	DAY	12" Inside Diameter, 20' Length, Suction Hose With Couplings .....	94.00	
01 22 23 00-1069	WK	12" Inside Diameter, 20' Length, Suction Hose With Couplings .....	205.00	
01 22 23 00-1070	MO	12" Inside Diameter, 20' Length, Suction Hose With Couplings .....	615.00	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1071			<b>Discharge Hose With Couplings</b> (01 22 23 00-0984) Note: Includes delivery, set-up, and removal.		
01 22 23 00-1072	DAY		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	6.00	
01 22 23 00-1073	WK		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	15.00	
01 22 23 00-1074	MO		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	46.00	
01 22 23 00-1075	DAY		2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	7.00	
01 22 23 00-1076	WK		2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	17.00	
01 22 23 00-1077	MO		2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	53.00	
01 22 23 00-1078	DAY		3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	8.00	
01 22 23 00-1079	WK		3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	20.00	
01 22 23 00-1080	MO		3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	61.00	
01 22 23 00-1081	DAY		4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	21.00	
01 22 23 00-1082	WK		4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	54.00	
01 22 23 00-1083	MO		4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	155.00	
01 22 23 00-1084	DAY		6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	26.00	
01 22 23 00-1085	WK		6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	71.00	
01 22 23 00-1086	MO		6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	195.00	
01 22 23 00-1087	DAY		10" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	20.00	
01 22 23 00-1088	WK		10" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	50.00	
01 22 23 00-1089	MO		10" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	150.00	
01 22 23 00-1090	DAY		12" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	51.00	
01 22 23 00-1091	WK		12" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	130.00	
01 22 23 00-1092	MO		12" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	385.00	
01 22 23 00-1093			<b>Hydraulic Submersible Pumps</b> (01 22 23 00-0984) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1094			<b>Hydraulic Submersible Pumps</b> (01 22 23 00-1093) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1095	DAY		60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump .....	111.19	
01 22 23 00-1096	WK		60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump .....	298.19	
01 22 23 00-1097	MO		60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump .....	833.93	
01 22 23 00-1098	DAY		132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump .....	141.51	
01 22 23 00-1099	WK		132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump .....	363.90	
01 22 23 00-1100	MO		132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump .....	1,111.90	
01 22 23 00-1101			<b>Hydraulic Submersible Pump Diesel Power Packs</b> (01 22 23 00-1093) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1102	DAY		100 HP, Hydraulic Submersible Pump Diesel Power Pack .....	256.92	
01 22 23 00-1103	WK		100 HP, Hydraulic Submersible Pump Diesel Power Pack .....	766.54	
01 22 23 00-1104	MO		100 HP, Hydraulic Submersible Pump Diesel Power Pack .....	2,021.64	
01 22 23 00-1105			<b>HDPE Pipe With Couplings</b> (01 22 23 00-0984) Note: Includes delivery, set-up, and removal.		
01 22 23 00-1106	DAY		4" x 20' HDPE Pipe With Couplings .....	6.25	
01 22 23 00-1107	WK		4" x 20' HDPE Pipe With Couplings .....	15.00	
01 22 23 00-1108	MO		4" x 20' HDPE Pipe With Couplings .....	46.25	
01 22 23 00-1109	DAY		6" x 20' HDPE Pipe With Couplings .....	10.00	
01 22 23 00-1110	WK		6" x 20' HDPE Pipe With Couplings .....	25.00	
01 22 23 00-1111	MO		6" x 20' HDPE Pipe With Couplings .....	76.25	
01 22 23 00-1112	DAY		8" x 20' HDPE Pipe With Couplings .....	16.25	
01 22 23 00-1113	WK		8" x 20' HDPE Pipe With Couplings .....	42.50	
01 22 23 00-1114	MO		8" x 20' HDPE Pipe With Couplings .....	126.25	
01 22 23 00-1115	DAY		10" x 20' HDPE Pipe With Couplings .....	20.00	
01 22 23 00-1116	WK		10" x 20' HDPE Pipe With Couplings .....	51.25	
01 22 23 00-1117	MO		10" x 20' HDPE Pipe With Couplings .....	156.25	
01 22 23 00-1118	DAY		12" x 10' HDPE Pipe With Couplings .....	15.00	
01 22 23 00-1119	WK		12" x 10' HDPE Pipe With Couplings .....	41.25	
01 22 23 00-1120	MO		12" x 10' HDPE Pipe With Couplings .....	125.00	
01 22 23 00-1121	DAY		4" Elbow For HDPE Pipe, Quick Connect.....	15.00	
01 22 23 00-1122	WK		4" Elbow For HDPE Pipe, Quick Connect.....	38.75	
01 22 23 00-1123	MO		4" Elbow For HDPE Pipe, Quick Connect.....	115.00	
01 22 23 00-1124	DAY		6" Elbow For HDPE Pipe, Quick Connect.....	17.50	
01 22 23 00-1125	WK		6" Elbow For HDPE Pipe, Quick Connect.....	45.00	
01 22 23 00-1126	MO		6" Elbow For HDPE Pipe, Quick Connect.....	137.50	
01 22 23 00-1127	DAY		8" Elbow For HDPE Pipe, Quick Connect.....	20.00	
01 22 23 00-1128	WK		8" Elbow For HDPE Pipe, Quick Connect.....	51.25	
01 22 23 00-1129	MO		8" Elbow For HDPE Pipe, Quick Connect.....	156.25	
01 22 23 00-1130	DAY		10" Elbow For HDPE Pipe, Quick Connect.....	25.00	
01 22 23 00-1131	WK		10" Elbow For HDPE Pipe, Quick Connect.....	63.75	
01 22 23 00-1132	MO		10" Elbow For HDPE Pipe, Quick Connect.....	193.75	
01 22 23 00-1133	DAY		12" Elbow For HDPE Pipe, Quick Connect.....	25.00	
01 22 23 00-1134	WK		12" Elbow For HDPE Pipe, Quick Connect.....	63.75	
01 22 23 00-1135	MO		12" Elbow For HDPE Pipe, Quick Connect.....	193.75	
01 22 23 00-1136	DAY		4" Tee For HDPE Pipe, Quick Connect.....	15.00	
01 22 23 00-1137	WK		4" Tee For HDPE Pipe, Quick Connect.....	38.75	
01 22 23 00-1138	MO		4" Tee For HDPE Pipe, Quick Connect.....	115.00	
01 22 23 00-1139	DAY		6" Tee For HDPE Pipe, Quick Connect.....	20.00	
01 22 23 00-1140	WK		6" Tee For HDPE Pipe, Quick Connect.....	51.25	
01 22 23 00-1141	MO		6" Tee For HDPE Pipe, Quick Connect.....	156.25	
01 22 23 00-1142	DAY		8" Tee For HDPE Pipe, Quick Connect.....	25.00	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1143	WK	8" Tee For HDPE Pipe, Quick Connect.....	63.75	
01 22 23 00-1144	MO	8" Tee For HDPE Pipe, Quick Connect.....	193.75	
01 22 23 00-1145	DAY	10" Tee For HDPE Pipe, Quick Connect.....	30.00	
01 22 23 00-1146	WK	10" Tee For HDPE Pipe, Quick Connect.....	76.25	
01 22 23 00-1147	MO	10" Tee For HDPE Pipe, Quick Connect.....	231.25	
01 22 23 00-1148	DAY	12" Tee For HDPE Pipe, Quick Connect.....	30.00	
01 22 23 00-1149	WK	12" Tee For HDPE Pipe, Quick Connect.....	76.25	
01 22 23 00-1150	MO	12" Tee For HDPE Pipe, Quick Connect.....	231.25	
01 22 23 00-1151	DAY	4" Cap For HDPE Pipe, Quick Connect.....	2.50	
01 22 23 00-1152	WK	4" Cap For HDPE Pipe, Quick Connect.....	7.50	
01 22 23 00-1153	MO	4" Cap For HDPE Pipe, Quick Connect.....	22.50	
01 22 23 00-1154	DAY	6" Cap For HDPE Pipe, Quick Connect.....	2.50	
01 22 23 00-1155	WK	6" Cap For HDPE Pipe, Quick Connect.....	7.50	
01 22 23 00-1156	MO	6" Cap For HDPE Pipe, Quick Connect.....	22.50	
01 22 23 00-1157	DAY	8" Cap For HDPE Pipe, Quick Connect.....	2.50	
01 22 23 00-1158	WK	8" Cap For HDPE Pipe, Quick Connect.....	7.50	
01 22 23 00-1159	MO	8" Cap For HDPE Pipe, Quick Connect.....	22.50	
01 22 23 00-1160	DAY	10" Cap For HDPE Pipe, Quick Connect.....	2.50	
01 22 23 00-1161	WK	10" Cap For HDPE Pipe, Quick Connect.....	7.50	
01 22 23 00-1162	MO	10" Cap For HDPE Pipe, Quick Connect.....	22.50	
01 22 23 00-1163	DAY	12" Cap For HDPE Pipe, Quick Connect.....	2.50	
01 22 23 00-1164	WK	12" Cap For HDPE Pipe, Quick Connect.....	7.50	
01 22 23 00-1165	MO	12" Cap For HDPE Pipe, Quick Connect.....	22.50	
01 22 23 00-1166	DAY	4" Wye For HDPE Pipe, Quick Connect.....	7.50	
01 22 23 00-1167	WK	4" Wye For HDPE Pipe, Quick Connect.....	18.75	
01 22 23 00-1168	MO	4" Wye For HDPE Pipe, Quick Connect.....	57.50	
01 22 23 00-1169	DAY	6" Wye For HDPE Pipe, Quick Connect.....	8.75	
01 22 23 00-1170	WK	6" Wye For HDPE Pipe, Quick Connect.....	22.50	
01 22 23 00-1171	MO	6" Wye For HDPE Pipe, Quick Connect.....	68.75	
01 22 23 00-1172	DAY	8" Wye For HDPE Pipe, Quick Connect.....	15.00	
01 22 23 00-1173	WK	8" Wye For HDPE Pipe, Quick Connect.....	38.75	
01 22 23 00-1174	MO	8" Wye For HDPE Pipe, Quick Connect.....	115.00	
01 22 23 00-1175	DAY	10" Wye For HDPE Pipe, Quick Connect.....	22.50	
01 22 23 00-1176	WK	10" Wye For HDPE Pipe, Quick Connect.....	57.50	
01 22 23 00-1177	MO	10" Wye For HDPE Pipe, Quick Connect.....	175.00	
01 22 23 00-1178	DAY	12" Wye For HDPE Pipe, Quick Connect.....	22.50	
01 22 23 00-1179	WK	12" Wye For HDPE Pipe, Quick Connect.....	57.50	
01 22 23 00-1180	MO	12" Wye For HDPE Pipe, Quick Connect.....	175.00	

**01 22 23 00-1181 Temporary Building Services (01 22 23)**

**01 22 23 00-1182 Boilers (01 22 23 00-1181)**  
 Note: Excludes operator, delivery, set-up, and removal.

**01 22 23 00-1183 Electric Boilers (01 22 23 00-1182)**

01 22 23 00-1184	MO	40 MBH, 12 KW Electric Boiler Rental.....	2,360.98	
01 22 23 00-1185	MO	60 MBH, 20 KW Electric Boiler Rental.....	2,575.65	
01 22 23 00-1186	MO	95 MBH, 30 KW Electric Boiler Rental.....	2,682.98	
01 22 23 00-1187	MO	135 MBH, 40 KW Electric Boiler Rental.....	3,004.88	
01 22 23 00-1188	MO	165 MBH, 50 KW Electric Boiler Rental.....	4,185.37	
01 22 23 00-1189	MO	215 MBH, 60 KW Electric Boiler Rental.....	4,829.29	
01 22 23 00-1190	MO	365 MBH, 100 KW Electric Boiler Rental.....	6,331.78	
01 22 23 00-1191	MO	510 MBH, 150 KW Electric Boiler Rental.....	7,726.93	

**01 22 23 00-1192 Oil/Gas Fired Boilers (01 22 23 00-1182)**

01 22 23 00-1193	MO	Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental.....	2,080.00	
		<i>For &gt;3 Months Rental, Deduct</i>	<i>-312.00</i>	
01 22 23 00-1194	MO	>100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental.....	2,704.00	
		<i>For &gt;3 Months Rental, Deduct</i>	<i>-405.60</i>	
01 22 23 00-1195	MO	>250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental.....	4,368.00	
		<i>For &gt;3 Months Rental, Deduct</i>	<i>-655.20</i>	
01 22 23 00-1196	MO	>500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental.....	6,032.00	
		<i>For &gt;3 Months Rental, Deduct</i>	<i>-904.80</i>	

**01 22 23 00-1197 Oil Fired Boilers (01 22 23 00-1182)**

01 22 23 00-1198	MO	250 HP Oil Fired Boiler Rental.....	6,630.82	
01 22 23 00-1199	MO	350 HP Oil Fired Boiler Rental.....	8,841.10	
01 22 23 00-1200	MO	500 HP Oil Fired Boiler Rental.....	11,051.37	
01 22 23 00-1201	MO	600 HP Oil Fired Boiler Rental.....	12,156.51	

**01 22 23 00-1202 Boilers Setup (01 22 23 00-1182)**

01 22 23 00-1203	EA	Setup Rental Boiler.....	5,359.19	
		Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		

**01 22 23 00-1204 Chillers (01 22 23 00-1181)**  
 Note: Excludes operator, delivery, set-up, and removal.

**01 22 23 00-1205 Air Cooled Chillers (01 22 23 00-1204)**

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1206	MO		25 Ton Air Cooled Chiller Rental.....	3,152.40	
			For >3 To 6 Month Rental, Deduct	-472.86	
			For >6 Month Rental, Deduct	-788.10	
01 22 23 00-1207	MO		40 Ton Air Cooled Chiller Rental.....	5,043.85	
			For >3 To 6 Month Rental, Deduct	-756.58	
			For >6 Month Rental, Deduct	-1,260.96	
01 22 23 00-1208	MO		60 Ton Air Cooled Chiller Rental.....	6,169.20	
			For >3 To 6 Month Rental, Deduct	-925.38	
			For >6 Month Rental, Deduct	-1,542.30	
01 22 23 00-1209	MO		80 Ton Air Cooled Chiller Rental.....	7,294.55	
			For >3 To 6 Month Rental, Deduct	-1,094.18	
			For >6 Month Rental, Deduct	-1,823.64	
01 22 23 00-1210	MO		100 Ton Air Cooled Chiller Rental.....	8,419.90	
			For >3 To 6 Month Rental, Deduct	-1,262.99	
			For >6 Month Rental, Deduct	-2,104.98	
01 22 23 00-1211	MO		125 Ton Air Cooled Chiller Rental.....	9,754.62	
			For >3 To 6 Month Rental, Deduct	-1,463.19	
			For >6 Month Rental, Deduct	-2,438.66	
01 22 23 00-1212	MO		155 Ton Air Cooled Chiller Rental.....	11,800.70	
			For >3 To 6 Month Rental, Deduct	-1,770.11	
			For >6 Month Rental, Deduct	-2,950.18	
01 22 23 00-1213	MO		170 Ton Air Cooled Chiller Rental.....	12,619.14	
			For >3 To 6 Month Rental, Deduct	-1,892.87	
			For >6 Month Rental, Deduct	-3,154.79	
01 22 23 00-1214	MO		200 Ton Air Cooled Chiller Rental.....	14,496.31	
			For >3 To 6 Month Rental, Deduct	-2,174.45	
			For >6 Month Rental, Deduct	-3,624.08	
01 22 23 00-1215	MO		250 Ton Air Cooled Chiller Rental.....	17,249.02	
			For >3 To 6 Month Rental, Deduct	-2,587.35	
			For >6 Month Rental, Deduct	-4,312.26	
01 22 23 00-1216	MO		300 Ton Air Cooled Chiller Rental.....	20,127.82	
			Note: Includes trailer.		
			For >3 To 6 Month Rental, Deduct	-3,019.17	
			For >6 Month Rental, Deduct	-5,031.96	
01 22 23 00-1217	MO		400 Ton Air Cooled Chiller Rental.....	26,551.59	
			Note: Includes trailer, pump and 200' of 6" hose.		
			For >3 To 6 Month Rental, Deduct	-3,982.74	
			For >6 Month Rental, Deduct	-6,637.90	
01 22 23 00-1218	MO		500 Ton Air Cooled Chiller Rental.....	32,865.91	
			Note: Includes trailer, pump and 200' of 6" hose.		
			For >3 To 6 Month Rental, Deduct	-4,929.89	
			For >6 Month Rental, Deduct	-8,216.48	
01 22 23 00-1219	EA		Setup Air Cooled Chiller Rental Unit.....	3,725.29	
			Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.		
<b>01 22 23 00-1220</b>			<b>Chiller Rental Accessories (01 22 23 00-1204)</b>		
01 22 23 00-1221	MO		4" x 25' Flexible Water Hose For Chiller Rental.....	56.17	
01 22 23 00-1222	MO		6" x 25' Flexible Water Hose For Chiller Rental.....	70.22	
<b>01 22 23 00-1223</b>			<b>Emergency Cooler/Freezer (01 22 23 00-1181)</b>		
			Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.		
01 22 23 00-1224	DAY		8 x 6 x 7 Emergency Cooler Rental.....	80.17	
01 22 23 00-1225	WK		8 x 6 x 7 Emergency Cooler Rental.....	427.56	
01 22 23 00-1226	DAY		10 x 7 x 7 Emergency Cooler Rental.....	160.34	
01 22 23 00-1227	WK		10 x 7 x 7 Emergency Cooler Rental.....	641.34	
01 22 23 00-1228	MO		10 x 7 x 7 Emergency Cooler Rental.....	1,603.35	
01 22 23 00-1229	DAY		10 x 7 x 7 Emergency Freezer Rental.....	187.06	
01 22 23 00-1230	WK		10 x 7 x 7 Emergency Freezer Rental.....	748.23	
01 22 23 00-1231	MO		10 x 7 x 7 Emergency Freezer Rental.....	1,924.02	
01 22 23 00-1232	DAY		6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental.....	213.78	
01 22 23 00-1233	WK		6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental.....	855.12	
01 22 23 00-1234	MO		6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental.....	2,137.80	
<b>01 22 23 00-1235</b>			<b>Portable Spot Cooling Units (01 22 23 00-1181)</b>		
			Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes operator.		
01 22 23 00-1236	DAY		1 Ton Portable Spot Cooling Unit.....	181.81	
01 22 23 00-1237	WK		1 Ton Portable Spot Cooling Unit.....	399.99	
01 22 23 00-1238	MO		1 Ton Portable Spot Cooling Unit.....	799.98	
01 22 23 00-1239	DAY		2 Ton Portable Spot Cooling Unit.....	290.90	
01 22 23 00-1240	WK		2 Ton Portable Spot Cooling Unit.....	581.80	
01 22 23 00-1241	MO		2 Ton Portable Spot Cooling Unit.....	1,309.05	
01 22 23 00-1242	DAY		3 Ton Portable Spot Cooling Unit.....	436.35	
01 22 23 00-1243	WK		3 Ton Portable Spot Cooling Unit.....	872.70	
01 22 23 00-1244	MO		3 Ton Portable Spot Cooling Unit.....	1,745.40	
01 22 23 00-1245	DAY		5 Ton Portable Spot Cooling Unit.....	509.08	
01 22 23 00-1246	WK		5 Ton Portable Spot Cooling Unit.....	1,018.15	
01 22 23 00-1247	MO		5 Ton Portable Spot Cooling Unit.....	2,327.20	
01 22 23 00-1248	DAY		10 Ton Portable Spot Cooling Unit.....	1,090.88	
01 22 23 00-1249	WK		10 Ton Portable Spot Cooling Unit.....	1,745.40	
01 22 23 00-1250	MO		10 Ton Portable Spot Cooling Unit.....	3,490.80	
01 22 23 00-1251	DAY		20 Ton Portable Spot Cooling Unit.....	1,454.50	
01 22 23 00-1252	WK		20 Ton Portable Spot Cooling Unit.....	2,545.38	
01 22 23 00-1253	MO		20 Ton Portable Spot Cooling Unit.....	5,454.38	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1254	DAY	25 Ton Portable Spot Cooling Unit.....	1,672.68	
01 22 23 00-1255	WK	25 Ton Portable Spot Cooling Unit.....	2,690.82	
01 22 23 00-1256	MO	25 Ton Portable Spot Cooling Unit.....	5,818.00	

**01 22 23 00-1257**

**Fuel Oil Tank** (01 22 23 00-1181)

Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes Off-road fuel costs. See CSI section 01 22 23 00-0776 for reimbursable fuel fees.

01 22 23 00-1258	MO	100 Gallon Portable Double Wall Fuel Oil Tank Rental .....	400.46	
01 22 23 00-1259	MO	275 Gallon Portable Double Wall Fuel Oil Tank Rental .....	622.94	
01 22 23 00-1260	MO	500 Gallon Portable Double Wall Fuel Oil Tank Rental .....	1,557.36	
01 22 23 00-1261	MO	1,000 Gallon Portable Double Wall Fuel Oil Tank Rental.....	2,595.60	
01 22 23 00-1262	MO	2,300 Gallon Portable Double Wall Fuel Oil Tank Rental.....	3,426.19	
01 22 23 00-1263	MO	5,000 Gallon Portable Double Wall Fuel Oil Tank Rental.....	6,120.67	

**01 22 23 00-1264**

**Truck And Trailer Equipment** (01 22 23)

**01 22 23 00-1265**

**Trucks** (01 22 23 00-1264)

Note: Includes driver, delivery, and removal.

**01 22 23 00-1266**

**Flat Bed Trucks** (01 22 23 00-1265)

Note: Includes hydraulic tilt bed.

01 22 23 00-1267	DAY	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	891.62	
		<i>For Equipment Without Operator, Deduct</i>	-641.15	
01 22 23 00-1268	WK	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	3,862.38	
		<i>For Equipment Without Operator, Deduct</i>	-3,205.74	
01 22 23 00-1269	MO	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	15,550.07	
		<i>For Equipment Without Operator, Deduct</i>	-13,891.54	
01 22 23 00-1270	DAY	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	999.93	
		<i>For Equipment Without Operator, Deduct</i>	-641.15	
01 22 23 00-1271	WK	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	4,139.93	
		<i>For Equipment Without Operator, Deduct</i>	-3,205.74	
01 22 23 00-1272	MO	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	16,260.86	
		<i>For Equipment Without Operator, Deduct</i>	-13,891.54	
01 22 23 00-1273	DAY	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	1,077.65	
		<i>For Equipment Without Operator, Deduct</i>	-641.15	
01 22 23 00-1274	WK	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	4,436.98	
		<i>For Equipment Without Operator, Deduct</i>	-3,205.74	
01 22 23 00-1275	MO	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	17,391.37	
		<i>For Equipment Without Operator, Deduct</i>	-13,891.54	

**01 22 23 00-1276**

**Light Off-Road Utility Passenger Vehicles** (01 22 23 00-1265)

01 22 23 00-1277	DAY	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle .....	207.79	
01 22 23 00-1278	WK	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle .....	480.52	
01 22 23 00-1279	MO	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle .....	1,038.96	
01 22 23 00-1280	DAY	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle .....	214.29	
01 22 23 00-1281	WK	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle .....	500.00	
01 22 23 00-1282	MO	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle .....	1,103.90	

**01 22 23 00-1283**

**Light Duty Trucks** (01 22 23 00-1265)

01 22 23 00-1284	DAY	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver .....	881.02	
		<i>For Equipment Without Operator, Deduct</i>	-641.15	
01 22 23 00-1285	WK	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver .....	3,992.82	
		<i>For Equipment Without Operator, Deduct</i>	-3,205.74	
01 22 23 00-1286	MO	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver .....	15,540.66	
		<i>For Equipment Without Operator, Deduct</i>	-13,891.54	
01 22 23 00-1287	DAY	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver .....	926.00	
		<i>For Equipment Without Operator, Deduct</i>	-641.15	
01 22 23 00-1288	WK	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver .....	4,127.75	
		<i>For Equipment Without Operator, Deduct</i>	-3,205.74	
01 22 23 00-1289	MO	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver .....	15,840.50	
		<i>For Equipment Without Operator, Deduct</i>	-13,891.54	

**01 22 23 00-1290**

**Rear Dump Trucks** (01 22 23 00-1265)

01 22 23 00-1291	DAY	2.5 CY Rear Dump Truck With Full-Time Truck Driver .....	954.40	
		<i>For Equipment Without Operator, Deduct</i>	-634.55	
01 22 23 00-1292	WK	2.5 CY Rear Dump Truck With Full-Time Truck Driver .....	4,017.54	
		<i>For Equipment Without Operator, Deduct</i>	-3,172.73	
01 22 23 00-1293	MO	2.5 CY Rear Dump Truck With Full-Time Truck Driver .....	16,335.08	
		<i>For Equipment Without Operator, Deduct</i>	-13,748.49	
01 22 23 00-1294	DAY	4 CY Rear Dump Truck With Full-Time Truck Driver .....	1,067.03	
		<i>For Equipment Without Operator, Deduct</i>	-641.15	
01 22 23 00-1295	WK	4 CY Rear Dump Truck With Full-Time Truck Driver .....	4,379.09	
		<i>For Equipment Without Operator, Deduct</i>	-3,205.74	
01 22 23 00-1296	MO	4 CY Rear Dump Truck With Full-Time Truck Driver .....	16,933.56	
		<i>For Equipment Without Operator, Deduct</i>	-13,891.54	
01 22 23 00-1297	DAY	6 CY Rear Dump Truck With Full-Time Truck Driver .....	1,127.87	
		<i>For Equipment Without Operator, Deduct</i>	-641.15	
01 22 23 00-1298	WK	6 CY Rear Dump Truck With Full-Time Truck Driver .....	4,509.46	
		<i>For Equipment Without Operator, Deduct</i>	-3,205.74	
01 22 23 00-1299	MO	6 CY Rear Dump Truck With Full-Time Truck Driver .....	17,020.48	
		<i>For Equipment Without Operator, Deduct</i>	-13,891.54	
01 22 23 00-1300	DAY	13 CY Rear Dump Truck With Full-Time Truck Driver .....	1,849.27	
		<i>For Equipment Without Operator, Deduct</i>	-641.15	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1301	WK		13 CY Rear Dump Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	5,995.71 -3,205.74	
01 22 23 00-1302	MO		13 CY Rear Dump Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	21,192.40 -13,891.54	
01 22 23 00-1303	DAY		18 CY Rear Dump Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	1,970.08 -641.15	
01 22 23 00-1304	WK		18 CY Rear Dump Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	6,274.71 -3,205.74	
01 22 23 00-1305	MO		18 CY Rear Dump Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	21,922.49 -13,891.54	
<b>01 22 23 00-1306</b>			<b>Vacuum Trucks</b> (01 22 23 00-1265)		
01 22 23 00-1307	DAY		5,000 Gallon Vacuum Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	1,840.58 -641.15	
01 22 23 00-1308	WK		5,000 Gallon Vacuum Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	6,817.93 -3,205.74	
01 22 23 00-1309	MO		5,000 Gallon Vacuum Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	24,550.80 -13,891.54	
<b>01 22 23 00-1310</b>			<b>Water Trucks</b> (01 22 23 00-1265) Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1071 for additional discharge hose, 01 22 23 00-1322 for water trailer.		
01 22 23 00-1311	DAY		2,000 Gallon Water Truck With Full-Time Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	1,209.09 -641.15 10.01	
01 22 23 00-1312	WK		2,000 Gallon Water Truck With Full-Time Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	4,701.33 -3,205.74 10.01	
01 22 23 00-1313	MO		2,000 Gallon Water Truck With Full-Time Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	17,425.42 -13,891.54 10.01	
01 22 23 00-1314	DAY		3,700 To 4,000 Gallon Water Truck With Full-Time Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	1,486.76 -641.15 10.01	
01 22 23 00-1315	WK		3,700 To 4,000 Gallon Water Truck With Full-Time Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	5,534.31 -3,205.74 10.01	
01 22 23 00-1316	MO		3,700 To 4,000 Gallon Water Truck With Full-Time Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	19,570.99 -13,891.54 10.01	
<b>01 22 23 00-1317</b>			<b>Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board</b> (01 22 23 00-1265)		
01 22 23 00-1318	DAY		Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	1,308.81 -634.55	
01 22 23 00-1319	WK		Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	5,162.65 -3,172.73	
01 22 23 00-1320	MO		Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	18,580.92 -13,748.49	
<b>01 22 23 00-1321</b>			<b>Trailers</b> (01 22 23 00-1264) Note: Includes delivery to job site and pick-up when complete.		
<b>01 22 23 00-1322</b>			<b>Water Trailers With Pump</b> (01 22 23 00-1321)		
01 22 23 00-1323	DAY		500 To 600 Gallon Water Trailer With Pump .....	145.14	
01 22 23 00-1324	WK		500 To 600 Gallon Water Trailer With Pump .....	372.32	
01 22 23 00-1325	MO		500 To 600 Gallon Water Trailer With Pump .....	997.06	

## 01 30 Administrative Requirements (01)

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

**01 31 33 Project Minimum Labor Costs** (01 31)**01 31 33 00-0001 Minimum Charge** (01 31 33)

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

01 31 33 00-0002	EA		Carpenter Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	953.80	
01 31 33 00-0003	EA		Carpet, Linoleum Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	599.49	
01 31 33 00-0004	EA		Cement Mason Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	706.62	
01 31 33 00-0005	EA		Drywall Finisher Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	858.97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 31 33 00-0006	EA	Drywall Installer Minimum Charge .....	930.61
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0007	EA	Electrician Minimum Charge .....	913.94
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0008	EA	Glazier Minimum Charge .....	783.83
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0009	EA	Insulator Minimum Charge .....	860.58
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0010	EA	Laborer Minimum Charge .....	623.35
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0011	EA	Landscape Maintenance Worker Minimum Charge .....	748.35
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0012	EA	Ornamental Metal Worker Minimum Charge .....	901.72
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0013	EA	Painter, Ordinary Minimum Charge .....	634.00
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0014	EA	Plasterer Minimum Charge .....	856.69
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0015	EA	Plumber Minimum Charge .....	1,002.86
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0016	EA	Roofer, Tile/Slate Minimum Charge .....	920.81
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0017	EA	Roofer, Composite Built-Up Minimum Charge .....	920.81
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0018	EA	Sheet Metal Worker Minimum Charge .....	1,204.28
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0019	EA	Sprinkler Installer Minimum Charge .....	860.90
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0020	EA	Tile Layer (Floor) Minimum Charge .....	822.81
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	

01 35 Special Procedures (01 30)

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

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

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

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

01 35 29 00-0002	MI	Trucking Delivery Of 20' Shipping Container .....	1.82
01 35 29 00-0003	MI	Trucking Delivery Of 40' Shipping Container .....	3.63

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

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

01 40 Quality Requirements (01)

01 45 Quality Control (01 40)

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

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

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

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

01 45 23 00-0003	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test .....	236.84
01 45 23 00-0004	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test .....	336.16
01 45 23 00-0005	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test .....	382.00
01 45 23 00-0006	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test .....	305.60
01 45 23 00-0007	EA	Soils Classification Test, ASTM D-2487, Field Soils Test .....	458.40
01 45 23 00-0008	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test .....	916.50
01 45 23 00-0009	EA	Moisture Content, Field Soils Test .....	34.37
01 45 23 00-0010	EA	UBC Or Swell Test, Field Soils Test .....	120.40
01 45 23 00-0011	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test .....	229.12
01 45 23 00-0012	EA	Proctor Compaction 6" Standard Mold, Field Soils Test .....	286.41
01 45 23 00-0013	EA	Density And Classification Test, Field Soils Test .....	91.65
01 45 23 00-0014	EA	Percolation Test, Field Soils Test .....	229.12
01 45 23 00-0015	EA	Infiltration Test, Field Soils Test .....	458.25

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

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

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
01 45 23 00-0017	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202 .....		76.40	
01 45 23 00-0018	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202 .....		137.52	
01 45 23 00-0019	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....		191.00	
01 45 23 00-0020	EA	Sieve Analysis, Pit Run, ASTM C136.....		148.93	
		Note: Includes wash.			
01 45 23 00-0021	EA	Specific Special Gravity, Course, ASTM C127.....		121.36	
		Note: Includes absorption test.			
01 45 23 00-0022	EA	Special Gravity, Fine, ASTM C127.....		108.83	
		Note: Includes absorption test.			
01 45 23 00-0023	EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128 .....		161.81	
01 45 23 00-0024	EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128.....		152.80	
01 45 23 00-0025	EA	Aggregate Cleanness Value, ASTM C-128, CA 227 .....		152.80	
01 45 23 00-0026	EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217.....		114.60	
01 45 23 00-0027	EA	Fine Aggregate Durability Index, CA 229.....		122.24	
01 45 23 00-0028	EA	Sodium And Magnesium Soundness, ASTM C88.....		320.78	
01 45 23 00-0029	EA	Los Angeles Rattler, ASTM C-131, CA 211 .....		244.48	
01 45 23 00-0030	EA	Los Angeles Rattler, ASTM C-535 .....		244.48	
01 45 23 00-0031	EA	Unit Weight Of Aggregates, ASTM C29 .....		68.76	
01 45 23 00-0032	EA	Organic Impurities In Sand, ASTM C40 .....		68.74	
01 45 23 00-0033	EA	Crushed Particle, ASTM California Test Method.....		68.74	
01 45 23 00-0034	EA	Clay Lump And Friable Particles, ASTM C142.....		137.48	
01 45 23 00-0035		<b>Permeability Tests</b> (01 45 23 00-0001)			
01 45 23 00-0036		<b>In-Place Tests</b> (01 45 23 00-0035)			
01 45 23 00-0037	EA	Double Ring Infiltrometer Test, ASTM D3385 .....		1,213.58	
01 45 23 00-0038	EA	Unconfined Compressive Strength (Pocket Penetrometer) Test.....		57.28	
01 45 23 00-0039		<b>Lab Tests</b> (01 45 23 00-0035)			
01 45 23 00-0040	EA	Falling Head Rigid Wall Consolidometer Technique CAE.....		566.34	
01 45 23 00-0041	EA	Falling Head Permeability Test EPA-9100 .....		566.34	
01 45 23 00-0042	EA	Constant Head Permeability Test For Granular Soils, ASTM D2432.....		323.62	
01 45 23 00-0043		<b>Concrete/Cement/Asphalt Testing</b> (01 45 23)			
01 45 23 00-0044		<b>Concrete Testing</b> (01 45 23 00-0043)			
01 45 23 00-0045	EA	Prepare 6 x 12 Concrete Cylinder And Deliver To Lab .....		21.31	
01 45 23 00-0046	EA	6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633.....		48.54	
01 45 23 00-0047	EA	Concrete Cores Compression Test, ASTM C-42 .....		99.32	
01 45 23 00-0048	EA	6 x 6 x 18 Concrete Flexural Test, ASTM C-78.....		145.16	
01 45 23 00-0049	EA	Unit Weight Of Concrete Cylinder, ASTM C-567.....		53.48	
01 45 23 00-0050	EA	Concrete Mix Design Review .....		290.32	
01 45 23 00-0051	EA	Trial Concrete Batch Prepared In Laboratory.....		687.60	
01 45 23 00-0052	EA	Concrete Shrinkage, ASTM C-157 Modified .....		534.80	
01 45 23 00-0053	EA	6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496.....		82.51	
01 45 23 00-0054	EA	Concrete Slump Test, ASTM C143 .....		38.20	
01 45 23 00-0055	EA	Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231 .....		38.20	
01 45 23 00-0056		<b>Cement Testing</b> (01 45 23 00-0043)			
01 45 23 00-0057	EA	Cement Grab Sample (CCR Title 24).....		38.20	
		Note: Includes sealing and storing 1 year.			
01 45 23 00-0058	EA	2" x 2" x 2" Cube Compression Test, All Type Materials .....		61.12	
01 45 23 00-0059		<b>Asphaltic Concrete Testing</b> (01 45 23 00-0043)			
01 45 23 00-0060	EA	Hveem Asphaltic Concrete Stability Test, CA 366 .....		76.40	
01 45 23 00-0061	EA	Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927 .....		198.64	
01 45 23 00-0062	EA	Stability Tests, Premixed, ASTM D1559 .....		76.40	
01 45 23 00-0063	EA	Stability Tests, Lab. Mixed, ASTM D1559 .....		198.64	
01 45 23 00-0064	EA	Swell Test, CA 305.....		91.68	
		Note: Includes compaction.			
01 45 23 00-0065	EA	% Asphalt Extraction Test, ASTM D-2172 B .....		229.20	
01 45 23 00-0066	EA	Maximum Theoretical Unit Weight, ASTM C2041 .....		145.63	
01 45 23 00-0067	EA	Unit Weight Sample Requiring Compaction, California Test Method 308 .....		30.56	
01 45 23 00-0068	EA	Asphalt Unit Weight On Core Test, CA 308C.....		30.56	
01 45 23 00-0069	HR	Nuclear Field Density Testing, 4 Hour Minimum .....		157.38	
01 45 23 00-0070	EA	Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664 .....		103.11	
01 45 23 00-0071	EA	Penetration, ASTM D5 .....		110.37	
01 45 23 00-0072		<b>Masonry/Concrete Block/Tile Testing</b> (01 45 23)			
01 45 23 00-0073		<b>Masonry Testing</b> (01 45 23 00-0072)			
01 45 23 00-0074	EA	2" x 4" Cylinder Mortar Compression Test .....		50.42	
01 45 23 00-0075	EA	4" x 4" x 8" Grout Prisms Compression Test.....		50.42	
01 45 23 00-0076	EA	Masonry Cores Compression Test.....		99.32	
01 45 23 00-0077	EA	Composite Grouted Prism Compression Test.....		191.00	
01 45 23 00-0078		<b>Concrete Block Testing (ASTM C140 Or CMA Per Specimen)</b> (01 45 23 00-0072)			
01 45 23 00-0079	EA	Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140 .....		122.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0080	EA		Absorption Test, Moisture Content And Unit Weight.....	84.04	
01 45 23 00-0081	EA		First Unit, Moisture Condition By Relative Humidity, ASTM C427 .....	320.78	
01 45 23 00-0082	EA		Moisture Condition By Relative Humidity, ASTM C427, Additional Unit.....	160.39	
<b>01 45 23 00-0083</b>			<b>Metals Testing (01 45 23)</b>		
<b>01 45 23 00-0084</b>			<b>Tank Line Tightness Testing (01 45 23 00-0083)</b>		
01 45 23 00-0085	EA		Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing .....	386.70	
01 45 23 00-0086	EA		>12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing .....	429.39	
01 45 23 00-0087	EA		>29,999 Gallons, Tank Line Volumetric Tightness Testing .....	471.93	
<b>01 45 23 00-0088</b>			<b>Other Testing (01 45 23)</b>		
<b>01 45 23 00-0089</b>			<b>Special Testing (01 45 23 00-0088)</b>		
01 45 23 00-0090	EA		Asphalt Roofing Cut-out Samples, To Determine Unit Weight.....	118.44	
01 45 23 00-0091	EA		Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617 .....	710.63	
01 45 23 00-0092	EA		Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria) .....	35.73	
01 45 23 00-0093	EA		Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample .....	148.11	
01 45 23 00-0094	EA		Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample .....	148.11	
01 45 23 00-0095	EA		Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample .....	148.11	
01 45 23 00-0096	EA		Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample.....	814.60	
01 45 23 00-0097	EA		Testing And Certification Of Backflow Valves .....	458.73	
<b>01 45 23 00-0098</b>			<b>Nondestructive Field Testing Services (01 45 23 00-0088)</b>		
<b>01 45 23 00-0099</b>			<b>Infrared Thermography (01 45 23 00-0098)</b> Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		
<b>01 45 23 00-0100</b>			<b>Roof Investigation And Moisture Survey Using Infrared Thermography (01 45 23 00-0099)</b> Note: For on the roof surveys.		
01 45 23 00-0101	EA		Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge .....	2,665.98	
01 45 23 00-0102	CSF		Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography .....	4.44	
			For CADD Drawings, Add	0.89	
01 45 23 00-0103	CSF		>10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	2.96	
			For CADD Drawings, Add	0.59	
01 45 23 00-0104	CSF		>50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	2.22	
			For CADD Drawings, Add	0.44	
			For Elevated Infrared Thermography Roof Investigation, Add	0.56	
			For Aerial Infrared Thermography Roof Investigation, Add	0.56	
01 45 23 00-0105	CSF		>250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography .....	1.48	
			For CADD Drawings, Add	0.30	
			For Elevated Infrared Thermography Roof Investigation, Add	0.37	
			For Aerial Infrared Thermography Roof Investigation, Add	0.37	
<b>01 45 23 00-0106</b>			<b>Building Moisture Investigation Using Infrared Thermography (01 45 23 00-0099)</b> Note: For finding moisture in walls and windows.		
01 45 23 00-0107	EA		Building Moisture Investigation Using Infrared Thermography, Mobilization Charge .....	1,407.04	
01 45 23 00-0108	CSF		Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography.....	4.44	
			For Digital Or Analog Recording Of All Items, Add	2.22	
01 45 23 00-0109	CSF		>1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography .....	2.96	
			For Digital Or Analog Recording Of All Items, Add	1.48	
01 45 23 00-0110	CSF		>5,000 SF, Building Moisture Investigation Using Infrared Thermography .....	1.48	
			For Digital Or Analog Recording Of All Items, Add	0.74	
<b>01 45 23 00-0111</b>			<b>General Building Investigation Using Infrared Thermography (01 45 23 00-0099)</b> Note: For finding missing or misplaced insulation, air leakage and delamination.		
01 45 23 00-0112	EA		General Building Investigation Using Infrared Thermography, Mobilization Charge .....	2,888.14	
01 45 23 00-0113	CSF		Up To 1,000 SF, General Building Investigation Using Infrared Thermography.....	4.44	
			For Digital Or Analog Recording Of All Items, Add	2.22	
01 45 23 00-0114	CSF		>1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography .....	2.96	
			For Digital Or Analog Recording Of All Items, Add	1.48	
01 45 23 00-0115	CSF		>5,000 SF, General Building Investigation Using Infrared Thermography .....	1.48	
			For Digital Or Analog Recording Of All Items, Add	0.74	
<b>01 45 23 00-0116</b>			<b>Electrical /Mechanical Equipment Scanning Using Infrared Thermography (01 45 23 00-0099)</b> Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.		
01 45 23 00-0117	EA		Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge .....	1,407.04	
01 45 23 00-0118	HR		Electrical /Mechanical Equipment Scanning Using Infrared Thermography.....	171.35	
			For Digital Or Analog Recording Of All Items, Add	25.63	
<b>01 45 23 00-0119</b>			<b>Concrete Block Wall Investigation Using Infrared Thermography (01 45 23 00-0099)</b> Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0120	EA		Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge .....	1,407.04	
01 45 23 00-0121	CSF		Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography.....	4.44	
			For Digital Or Analog Recording Of All Items, Add	0.67	

**01 General Requirements****01 40 Quality Requirements****01 45 Quality Control**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 45 23 00-0122 CSF >50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography.....2.96  
For Digital Or Analog Recording Of All Items, Add 0.44

**01 45 23 00-0123 Other Nondestructive Field Testing Services (01 45 23 00-0098)**

01 45 23 00-0124 HR ASNT Certified Level I NDT Consultant .....73.52  
01 45 23 00-0125 HR ASNT Certified Level II NDT Consultant .....91.70  
01 45 23 00-0126 HR ASNT Certified Level III NDT Consultant .....105.22  
01 45 23 00-0127 HR Certified Industrial Radiography Radiation Safety Personnel.....107.50

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

01 45 23 00-0129 HR Concrete, Steel, Masonry, Expansion Anchor And Soils Inspection .....142.10  
01 45 23 00-0130 HR Laboratory Technician.....137.52  
01 45 23 00-0131 HR Portable Digital Reinforcement Scanner .....198.64  
01 45 23 00-0132 HR Subsurface Detection Radar System .....336.16  
01 45 23 00-0133 HR Pavement Rehabilitation Analysis Using Deflectors.....382.00

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

01 45 29 00-0002 EA Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test .....105.18  
01 45 29 00-0003 EA Shrinkage Limit, Soil Borings Laboratory Test .....33.56  
01 45 29 00-0004 EA Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test .....80.90  
01 45 29 00-0005 EA Consolidation, Soil Borings Laboratory Test .....566.34  
01 45 29 00-0006 EA Swell Test, Soil Borings Laboratory Test .....111.87  
01 45 29 00-0007 EA In Place Density, Soil Borings Laboratory Test .....24.27  
01 45 29 00-0008 EA Moisture Content, ASTM D2216, Soil Borings Laboratory Test .....15.08  
01 45 29 00-0009 EA Hydrometer Analysis, Soil Borings Laboratory Test .....194.67  
01 45 29 00-0010 EA Specific Gravity, ASTM D854, Soil Borings Laboratory Test .....67.89  
01 45 29 00-0011 EA Partial Sieve Analysis, Soil Borings Laboratory Test .....13.43  
01 45 29 00-0012 EA Laboratory Permeability, Soil Borings Laboratory Test .....671.29  
01 45 29 00-0013 EA Sieve Analysis, ASTM D422, Soil Borings Laboratory Test .....135.78  
01 45 29 00-0014 EA Sulfate Soundness, Soil Borings Laboratory Test .....167.82  
01 45 29 00-0015 EA Los Angeles Abrasion, Soil Borings Laboratory Test .....391.31  
01 45 29 00-0016 EA Soil Bearing Ratio, ASTM D1883 .....343.80  
01 45 29 00-0017 EA Compaction Test Subgrade, Soil Borings Laboratory Test .....100.69  
01 45 29 00-0018 EA Compaction Test Base Course, Soil Borings Laboratory Test .....85.19  
01 45 29 00-0019 EA In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test .....331.11  
01 45 29 00-0020 EA Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test .....51.47

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

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

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

Note: Includes all connections and removal after use.

01 51 13 00-0002 EA Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses.....1,306.09  
01 51 13 00-0003 EA Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses.....2,016.16  
01 51 13 00-0004 EA Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses .....3,734.29  
01 51 13 00-0005 EA Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses .....6,246.97

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

Note: Includes mounting on wall and removal after use.

01 51 13 00-0007 EA Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers .....1,396.99  
01 51 13 00-0008 EA Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers .....1,911.03  
01 51 13 00-0009 EA Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers .....3,000.76  
01 51 13 00-0010 EA Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers .....4,204.89

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

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

01 51 13 00-0012 LF Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards.....8.16  
01 51 13 00-0013 LF Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards .....8.94

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

Note: Includes removal after use.

01 51 26 00-0002 EA Temporary Exit Light .....229.96  
01 51 26 00-0003 EA Temporary 10 Light String With Cages .....83.87  
01 51 26 00-0004 EA Temporary High Bay Light .....316.43

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

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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

**01 52 13 Field Offices and Sheds (01 52)**

**01 52 13 00-0001 Field Offices (01 52 13)**

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

01 52 13 00-0002	MO 8' x 24' Mobile Office, With Toilet .....	166.62
	For Each Delivery And Removal, Two Round Trips, Add	682.77
	For Each Set-Up (Block And Level), Add	388.51
	For Each Anchoring Into Dirt, Add	118.47
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71
	For Office Trailer Without Toilet, Deduct	-33.32
01 52 13 00-0003	MO 8' x 32' Mobile Office, With Toilet .....	188.83
	For Each Delivery And Removal, Two Round Trips, Add	682.77
	For Each Set-Up (Block And Level), Add	388.51
	For Each Anchoring Into Dirt, Add	118.47
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71
	For Office Trailer Without Toilet, Deduct	-37.77
01 52 13 00-0004	MO 10' x 36' Mobile Office, With Toilet .....	255.48
	For Each Delivery And Removal, Two Round Trips, Add	967.26
	For Each Set-Up (Block And Level), Add	633.89
	For Each Anchoring Into Dirt, Add	118.47
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71
	For Office Trailer Without Toilet, Deduct	-51.10
01 52 13 00-0005	MO 10' x 40' Mobile Office, With Toilet .....	272.15
	For Each Delivery And Removal, Two Round Trips, Add	967.26
	For Each Set-Up (Block And Level), Add	633.89
	For Each Anchoring Into Dirt, Add	118.47
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71
	For Office Trailer Without Toilet, Deduct	-54.43
01 52 13 00-0006	MO 10' x 44' Mobile Office, With Toilet .....	299.92
	For Each Delivery And Removal, Two Round Trips, Add	967.26
	For Each Set-Up (Block And Level), Add	633.89
	For Each Anchoring Into Dirt, Add	118.47
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71
01 52 13 00-0007	MO 10' x 50' Mobile Office, With Toilet .....	316.58
	For Each Delivery And Removal, Two Round Trips, Add	967.26
	For Each Set-Up (Block And Level), Add	633.89
	For Each Anchoring Into Dirt, Add	118.47
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71
01 52 13 00-0008	MO 12' x 32' Mobile Office, With Toilet .....	244.93
	For Each Anchoring Into Dirt, Add	118.47
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71
	For Each Delivery And Set-Up (Block And Level), Add	934.37
	For Each Knock-Down And Pick-Up, Add	739.37
01 52 13 00-0009	MO 12' x 44' Mobile Office, With Toilet .....	327.47
	For Each Delivery And Removal, Two Round Trips, Add	967.26
	For Each Set-Up (Block And Level), Add	633.89
	For Each Anchoring Into Dirt, Add	118.47
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71
01 52 13 00-0010	MO 12' x 50' Mobile Office, With Toilet .....	372.12
	For Each Delivery And Removal, Two Round Trips, Add	967.26
	For Each Set-Up (Block And Level), Add	633.89
	For Each Anchoring Into Dirt, Add	118.47
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71
01 52 13 00-0011	MO 12' x 60' Mobile Office, With Toilet .....	405.44
	For Each Delivery And Removal, Two Round Trips, Add	967.26
	For Each Set-Up (Block And Level), Add	633.89
	For Each Anchoring Into Dirt, Add	118.47
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71
01 52 13 00-0012	MO 24' x 60' Modular Office, With Toilet .....	888.63
	For Each Delivery And Removal, Two Round Trips, Add	1,820.73
	For Each Set-Up (Block And Level), Add	1,022.40
	For Each Anchoring Into Dirt, Add	118.47
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71
01 52 13 00-0013	MO 24' x 72' Modular Office, With Toilet .....	1,066.36
	For Each Delivery And Removal, Two Round Trips, Add	1,820.73
	For Each Set-Up (Block And Level), Add	1,022.40
	For Each Anchoring Into Dirt, Add	118.47
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71
01 52 13 00-0014	MO 30' x 30' Modular Office, With Toilet .....	506.80
	For Each Delivery And Removal, Two Round Trips, Add	1,820.73
	For Each Set-Up (Block And Level), Add	1,022.40
	For Each Anchoring Into Dirt, Add	118.47
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71

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

Note: Costs includes installation or placement in trailer.

01 52 13 00-0016	MO Desk For Field Office Trailer .....	39.42
01 52 13 00-0017	MO Rolling Desk Chair For Field Office Trailer .....	24.64
01 52 13 00-0018	MO File Cabinet For Field Office Trailer .....	29.56
01 52 13 00-0019	MO Table For Field Office Trailer .....	19.71
01 52 13 00-0020	MO Folding Chair For Field Office Trailer .....	9.34
01 52 13 00-0021	EA Phone Hook-Up For Field Office Trailer .....	108.40
01 52 13 00-0022	MO Local Phone Service Per Phone Line For Field Office Trailer .....	68.98
01 52 13 00-0023	MO Security System With Monitoring For Field Office Trailer .....	124.20
01 52 13 00-0024	LF Perimeter Trailer Skirting For Field Office Trailer .....	14.22
01 52 13 00-0025	LF Insulated Perimeter Trailer Skirting For Field Office Trailer .....	33.68
01 52 13 00-0026	MO Steps For Field Office Trailer .....	41.47

**01 General Requirements**  
**01 50 Temporary Facilities and Controls**  
**01 52 Construction Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0027	MO		Fax Machine For Field Office Trailer .....	49.27	
01 52 13 00-0028	YR		Single Port Firewall Router .....	273.31	
01 52 13 00-0029	YR		8 Port Ethernet Switch .....	108.96	
01 52 13 00-0030	YR		16 Port Ethernet Switch .....	120.04	
01 52 13 00-0031	YR		Cisco Modular Router, #1751 .....	1,011.07	
01 52 13 00-0032	YR		Wyse 3235LE System .....	773.77	
01 52 13 00-0033	YR		Desktop Computer Workstation With 17" Monitor .....	808.85	
01 52 13 00-0034	YR		Laserjet 4200TN Printer .....	1,174.28	
01 52 13 00-0035	YR		Mobile Communication Device, Motorola CT250 .....	485.68	
01 52 13 00-0036	YR		Laser Fax Machine, Brother Intellifax-4750 .....	405.03	
01 52 13 00-0037	YR		Copier With 3 Paper Trays, Sorter, Collating And Zoom .....	533.70	
01 52 13 00-0038	MO		Copier For Field Office Trailer .....	78.83	
<b>01 52 13 00-0039 Storage Containers (01 52 13)</b>					
01 52 13 00-0040	MO		8' x 8' x 10' Storage Container .....	192.50	
			For Each Delivery And Removal, Two Round Trips, Add	225.69	
			For >12 Months, Deduct	-57.75	
01 52 13 00-0041	MO		8' x 8' x 20' Storage Container .....	201.25	
			For Each Delivery And Removal, Two Round Trips, Add	248.26	
			For >12 Months, Deduct	-60.38	
01 52 13 00-0042	MO		8' x 8' x 40' Storage Container .....	238.00	
			For Each Delivery And Removal, Two Round Trips, Add	500.00	
			For >12 Months, Deduct	-71.40	
01 52 13 00-0043	EA		Relocate Up To 100' Storage Container On Site .....	180.39	
01 52 13 00-0044	EA		Relocate >100' To 300' Storage Container On Site .....	225.49	
01 52 13 00-0045	EA		Relocate >300' To 500' Storage Container On Site .....	315.69	
01 52 13 00-0046	EA		Relocate >500' Storage Container On Site .....	360.79	
<b>01 52 19 Sanitary Facilities (01 52)</b>					
<b>01 52 19 00-0001 Portable Toilets (01 52 19)</b>					
Note: Includes set-up, servicing once per week and removal.					
01 52 19 00-0002	WK		Portable Chemical Toilet .....	38.33	
			For Each Additional Servicing Per Unit Per Week, Add	25.00	
			For Each Delivery, Add	35.00	
01 52 19 00-0003	MO		Portable Chemical Toilet .....	114.99	
			For Each Additional Servicing Per Unit Per Week, Add	25.00	
			For Each Delivery, Add	35.00	
01 52 19 00-0004	WK		Americans With Disabilities Act Compliant Portable Chemical Toilet .....	45.72	
			For Each Additional Servicing Per Unit Per Week, Add	25.00	
			For Each Delivery, Add	35.00	
01 52 19 00-0005	MO		Americans With Disabilities Act Compliant Portable Chemical Toilet .....	134.15	
			For Each Additional Servicing Per Unit Per Week, Add	25.00	
			For Each Delivery, Add	35.00	
01 52 19 00-0006	WK		Two Station Portable Handwash .....	37.77	
			For Each Delivery, Add	35.00	
01 52 19 00-0007	MO		Two Station Portable Handwash .....	114.56	
			For Each Delivery, Add	35.00	
01 52 19 00-0008	MO		6 Station, Portable Toilets, Multi Trailer .....	3,148.34	
			Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink)		
01 52 19 00-0009	WK		Service 6 Station Trailer Restrooms, 3 Times Per Week .....	1,816.35	
<b>01 53 Temporary Construction (01 50)</b>					
<b>01 53 16 Temporary Decking (01 53)</b>					
<b>01 53 16 00-0001 Temporary Walkways And Railings (01 53 16)</b>					
Note: Includes removal after use.					
01 53 16 00-0002	SF		Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers .....	6.01	
01 53 16 00-0003	LF		Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail .....	32.60	
01 53 16 00-0004	LF		Temporary Wood Guardrail Base, 12" x 12" Timber Beam .....	10.84	
01 53 16 00-0005	RSR		Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers .....	20.94	
<b>01 53 23 Temporary Ramps (01 53)</b>					
<b>01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access (01 53 23)</b>					
Note: Includes removal after use.					
01 53 23 00-0002	SF		Temporary Plywood For Wheel Barrow Access .....	1.82	0.45
<b>01 54 Construction Aids (01 50)</b>					
<b>01 54 09 Personnel Protection Equipment (01 54)</b>					
<b>01 54 09 00-0001 Personnel Protection Equipment (01 54 09)</b>					
Note: Personnel Protection Equipment (PPE) for workers safety is considered as part of the Contractor's and Workers responsibility. These items include, but are not limited to; protective work gloves, hearing protection, protective clothing, reflective vests, safety glasses or face shields, dust masks, hard hats, appropriate foot protection (slip resistant, puncture-resistant soles, safety-toed), safety harnesses with lifeline, etc. Review JOC Note and specifications for requirements.					
01 54 09 00-0002	NTE		Personnel Protection Equipment .....	0.00	
<b>01 54 23 Temporary Scaffolding and Platforms (01 54)</b>					



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 54 23 00-0001	<b>Scaffolding</b> <small>(01 54 23)</small> Note: Additional scaffolding rental for work above the normal working height of 14'.		
01 54 23 00-0002	<b>Scaffolding Rental - Rental Only</b> <small>(01 54 23 00-0001)</small> Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.		
01 54 23 00-0003	CCF Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month).....	27.82	
	For Up To 25, Add	11.13	
	For >25 To 50, Add	6.96	
	For >50 To 150, Add	2.78	
01 54 23 00-0004	CCF Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	31.29	
	For Up To 25, Add	12.52	
	For >25 To 50, Add	7.82	
	For >50 To 150, Add	3.13	
01 54 23 00-0005	CCF Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month).....	41.74	
	For Up To 25, Add	16.70	
	For >25 To 50, Add	10.44	
	For >50 To 150, Add	4.17	
01 54 23 00-0006	<b>Scaffolding Erection And Dismantling - Labor Only</b> <small>(01 54 23 00-0001)</small> Note: Includes both initial erection and final dismantling. Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.		
01 54 23 00-0007	CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	47.72	
01 54 23 00-0008	CCF >20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	59.64	
01 54 23 00-0009	CCF >40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	71.56	
01 54 23 00-0010	CCF >60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	78.73	
01 54 23 00-0011	CCF >80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	90.65	
01 54 23 00-0012	CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set Up On Stairs, Per CCF Of Scaffolding And Accessories .....	57.26	
01 54 23 00-0013	<b>Heavy Duty Masonry Scaffolding Rental - Rental Only</b> <small>(01 54 23 00-0001)</small> Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0019 for erection.		
01 54 23 00-0014	CCF Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	47.14	
01 54 23 00-0015	CCF Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month).....	86.42	
01 54 23 00-0016	LF Aluminum Joists (LF / Month) .....	7.66	
01 54 23 00-0017	LF Aluminum Stringers (LF / Month) .....	10.99	
01 54 23 00-0018	EA Screw Jack With U-Plate For Stringers (EA / Month).....	13.85	
01 54 23 00-0019	<b>Heavy Duty Masonry Scaffolding Erection And Dismantling - Labor Only</b> <small>(01 54 23 00-0001)</small> Note: Includes both initial erection and final dismantling. Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.		
01 54 23 00-0020	CCF Up To 20' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	76.33	
01 54 23 00-0021	CCF >20' To 40' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	95.42	
01 54 23 00-0022	CCF >40' To 60' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	114.51	
01 54 23 00-0023	CCF >60' To 80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	124.05	
01 54 23 00-0024	CCF >80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	138.37	
01 54 23 00-0025	<b>Scaffolding Accessories</b> <small>(01 54 23 00-0001)</small> See CSI section 01 54 23 00-0019 for erection.		
01 54 23 00-0026	CSF Netting for Exterior Building Scaffolding..... Note: Includes removal after use.	31.52	
01 54 23 00-0027	<b>Rolling Scaffolding</b> <small>(01 54 23)</small> Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.		
01 54 23 00-0028	DAY >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	10.30	
01 54 23 00-0029	WK >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	41.27	
01 54 23 00-0030	MO >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	165.05	
01 54 23 00-0031	DAY >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	17.24	
01 54 23 00-0032	WK >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	69.05	
01 54 23 00-0033	MO >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	276.22	
01 54 23 00-0034	EA >14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold .....	94.18	
01 54 23 00-0035	EA >20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold .....	117.72	
01 54 23 00-0036	<b>Shoring Posts</b> <small>(01 54 23)</small> Note: Includes moving to perform task and removal after use. No additional cost for relocating will be allowed.		
01 54 23 00-0037	DAY 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post.....	5.53	
01 54 23 00-0038	WK 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post.....	16.60	
01 54 23 00-0039	MO 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post.....	27.67	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>01 54 23 00-0040</b>	<b>Temporary Lumber</b> (01 54 23)				
	Note: Includes removal after use.				
01 54 23 00-0041	SF		5/16" CD Grade Plywood, Temporary Lumber.....	2.52	0.63
01 54 23 00-0042	SF		1/2" CD Grade Plywood, Temporary Lumber.....	3.53	0.63
01 54 23 00-0043	SF		5/8" CD Grade Plywood, Temporary Lumber.....	3.76	0.63
01 54 23 00-0044	SF		3/4" CD Grade Plywood, Temporary Lumber.....	4.51	0.63
01 54 23 00-0045	SF		1" CD Grade Plywood, Temporary Lumber.....	7.45	0.95
01 54 23 00-0046	LF		2" x 4" Temporary Lumber.....	1.22	1.32
01 54 23 00-0047	LF		2" x 6" Temporary Lumber.....	1.82	1.32
01 54 23 00-0048	LF		2" x 8" Temporary Lumber.....	2.44	1.32
01 54 23 00-0049	LF		2" x 10" Temporary Lumber.....	3.05	1.32
01 54 23 00-0050	LF		2" x 12" Temporary Lumber.....	3.66	1.32
01 54 23 00-0051	LF		3" x 8" Temporary Lumber.....	3.66	1.32
01 54 23 00-0052	LF		3" x 10" Temporary Lumber.....	4.58	1.32
01 54 23 00-0053	LF		3" x 12" Temporary Lumber.....	5.49	1.32
01 54 23 00-0054	LF		4" x 4" Temporary Lumber.....	2.59	0.66
01 54 23 00-0055	LF		4" x 6" Temporary Lumber.....	3.71	0.82
01 54 23 00-0056	LF		6" x 6" Temporary Lumber.....	4.83	0.99
01 54 23 00-0057	LF		6" x 8" Temporary Lumber.....	6.27	1.24
01 54 23 00-0058	LF		12" x 12" Temporary Lumber.....	15.39	1.98
<b>01 54 23 00-0059</b>	<b>Temporary Precast Concrete Blocks</b> (01 54 23)				
	Note: Includes removal after use.				
01 54 23 00-0060	EA		2' x 2' x 2' Temporary Precast Concrete Block.....	95.19	
01 54 23 00-0061	EA		2' x 2' x 4' Temporary Precast Concrete Block.....	119.00	
01 54 23 00-0062	EA		2' x 2' x 8' Temporary Precast Concrete Block.....	142.79	
<b>01 54 26</b>	<b>Temporary Swing Staging</b> (01 54)				
	Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.				
<b>01 54 26 00-0001</b>	<b>Swing Stage</b> (01 54 26)				
	Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.				
01 54 26 00-0002	MO		7' Swing Stage, Electric Operated.....	2,072.00	
01 54 26 00-0003	MO		10' Swing Stage, Electric Operated.....	2,175.60	
01 54 26 00-0004	MO		14' Swing Stage, Electric Operated.....	2,279.20	
01 54 26 00-0005	MO		20' Swing Stage, Electric Operated.....	2,382.80	
01 54 26 00-0006	MO		24' Swing Stage, Electric Operated.....	2,486.40	
01 54 26 00-0007	MO		30' Swing Stage, Electric Operated.....	2,590.00	
01 54 26 00-0008	MO		42' Swing Stage, Electric Operated.....	2,693.61	
01 54 26 00-0009	MO		12' Swing Stage, Manually Operated.....	597.48	
01 54 26 00-0010	MO		24' Swing Stage, Manually Operated.....	746.86	
01 54 26 00-0011	EA		Swing Stage Platform From Hooks, Erection And Dismantling.....	4,015.49	
	Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.				
01 54 26 00-0012	EA		Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling.....	5,580.21	
	Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.				
01 54 26 00-0013	EA		Move Swing Stage Platform From Hooks To Different Location At Same Roof.....	2,111.43	
01 54 26 00-0014	EA		Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof.....	2,940.93	
<b>01 55</b>	<b>Vehicular Access and Parking</b> (01 50)				
<b>01 55 23</b>	<b>Temporary Roads</b> (01 55)				
<b>01 55 23 00-0001</b>	<b>Temporary Stabilized Construction Entrance</b> (01 55 23)				
	Note: As per Caltrans detail.				
01 55 23 00-0002	SF		3" To 4" Rock Temporary Stabilized Construction Entrance Assembly.....	3.06	
	Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.				
01 55 23 00-0003	SF		>4" To 6" Rock Temporary Stabilized Construction Entrance Assembly.....	3.71	
	Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.				
<b>01 55 23 00-0004</b>	<b>Rumble Trench Plate</b> (01 55 23)				
01 55 23 00-0005	MO		8' x 10' Steel Rumble Trench Plate Rental.....	276.74	
01 55 23 00-0006	EA		Placement And Removal Of Rumble Plate.....	83.07	
	Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.				
01 55 23 00-0007	EA		Relocate And Adjust Location Of Rumble Plate.....	20.76	
	Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.				
<b>01 55 23 00-0008</b>	<b>Temporary Road Ramps (Godwin)</b> (01 55 23)				
	Note: Excludes asphalt and gravel.				
01 55 23 00-0009	EA		4" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	3,467.20	185.59
01 55 23 00-0010	EA		6" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	4,729.68	278.38
01 55 23 00-0011	EA		8" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	6,530.58	371.17
01 55 23 00-0012	EA		12" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	13,446.67	463.97
01 55 23 00-0013	EA		24" Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	19,689.70	556.77

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**01 55 26 Traffic Control** (01 55)

**01 55 26 00-0001 Removable Preformed Traffic Black Line Mask** (01 55 26)

Note: Includes installation and removal after use.

01 55 26 00-0002	LF 6" Removable Traffic Black Line Mask.....	5.26	
01 55 26 00-0003	LF 8" Removable Traffic Black Line Mask.....	6.50	

**01 55 26 00-0004 Temporary Preformed Traffic Line Tape** (01 55 26)

Note: Includes installation and removal after use.

01 55 26 00-0005	LF 4" Reflective Removable Traffic Line Tape.....	3.93	
01 55 26 00-0006	LF 6" Reflective Removable Traffic Line Tape.....	5.29	
01 55 26 00-0007	LF 8" Reflective Removable Traffic Line Tape.....	6.57	

**01 55 26 00-0008 Temporary Painted Traffic Lines** (01 55 26)

Note: Includes installation and removal after use.

01 55 26 00-0009	LF 4" Temporary Painted Traffic Lines.....	2.02	
	<i>For Not Removed, Deduct</i>	-2.73	
01 55 26 00-0010	LF 6" Temporary Painted Traffic Lines.....	2.66	
	<i>For Not Removed, Deduct</i>	-3.69	
01 55 26 00-0011	LF 8" Temporary Painted Traffic Lines.....	3.33	
	<i>For Not Removed, Deduct</i>	-4.68	

**01 55 26 00-0012 Pedestrian Traffic Control** (01 55 26)

01 55 26 00-0013	CLF 1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange.....	12.43	
01 55 26 00-0014	CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange.....	17.07	
01 55 26 00-0015	CLF 3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....	8.57	
01 55 26 00-0016	CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....	10.90	
01 55 26 00-0017	CLF 3", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent.....	12.41	
01 55 26 00-0018	CLF 6", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent.....	18.37	
01 55 26 00-0019	CLF 1" Exterior Vinyl Tape (Warning Tape).....	15.74	
01 55 26 00-0020	CLF 2" Exterior Vinyl Tape (Warning Tape).....	23.35	
01 55 26 00-0021	CLF 3" Exterior Vinyl Tape (Warning Tape).....	30.88	
01 55 26 00-0022	CLF 4" Exterior Vinyl Tape (Warning Tape).....	36.22	

**01 55 26 00-0023 Linear Delineation System, Temporary Or Permanent** (01 55 26)

Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.

01 55 26 00-0024	LF 4" Linear Delineation System.....	8.11	
01 55 26 00-0025	LF 6" Linear Delineation System.....	10.87	

**01 55 26 00-0026 Traffic Protection** (01 55 26)

**01 55 26 00-0027 Portable Traffic Control Device Usage** (01 55 26 00-0026)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0102 for delivery, placing and removal.

01 55 26 00-0028	DAY 28" Cone With Reflective Collar.....	0.59	
01 55 26 00-0029	WK 28" Cone With Reflective Collar.....	1.78	
01 55 26 00-0030	MO 28" Cone With Reflective Collar.....	5.35	
01 55 26 00-0031	DAY Vertical Panel.....	1.79	
01 55 26 00-0032	WK Vertical Panel.....	5.38	
01 55 26 00-0033	MO Vertical Panel.....	16.15	
01 55 26 00-0034	DAY Channelizer Drum.....	1.95	
01 55 26 00-0035	WK Channelizer Drum.....	5.85	
01 55 26 00-0036	MO Channelizer Drum.....	17.54	
01 55 26 00-0037	DAY Stackable Channelizer Panel.....	0.92	
01 55 26 00-0038	WK Stackable Channelizer Panel.....	2.76	
01 55 26 00-0039	MO Stackable Channelizer Panel.....	8.29	
01 55 26 00-0040	DAY Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	1.28	
01 55 26 00-0041	WK Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	3.83	
01 55 26 00-0042	MO Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	11.48	
01 55 26 00-0043	DAY Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	2.83	
01 55 26 00-0044	WK Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	8.48	
01 55 26 00-0045	MO Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	25.45	
01 55 26 00-0046	DAY Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	3.22	
01 55 26 00-0047	WK Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	9.67	
01 55 26 00-0048	MO Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	29.01	
01 55 26 00-0049	DAY Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	5.90	
01 55 26 00-0050	WK Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	17.69	
01 55 26 00-0051	MO Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	53.06	
01 55 26 00-0052	DAY Up To 10' Wide A Frame Barricade.....	3.23	
01 55 26 00-0053	WK Up To 10' Wide A Frame Barricade.....	9.70	
01 55 26 00-0054	MO Up To 10' Wide A Frame Barricade.....	29.10	
01 55 26 00-0055	DAY Type A Or C Flasher.....	0.66	
01 55 26 00-0056	WK Type A Or C Flasher.....	1.98	
01 55 26 00-0057	MO Type A Or C Flasher.....	5.93	
01 55 26 00-0058	DAY Type B Flasher (High Intensity).....	3.57	
01 55 26 00-0059	WK Type B Flasher (High Intensity).....	10.72	
01 55 26 00-0060	MO Type B Flasher (High Intensity).....	32.17	

**01 General Requirements**  
**01 50 Temporary Facilities and Controls**  
**01 55 Vehicular Access and Parking**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 55 26 00-0061		Traffic Barriers Usage <small>(01 55 26 00-0026)</small>		
Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0102 for delivery, placing and removal.				
01 55 26 00-0062	DAY	6' Long Portable Parking Curbs .....	1.54	
01 55 26 00-0063	WK	6' Long Portable Parking Curbs .....	4.62	
01 55 26 00-0064	MO	6' Long Portable Parking Curbs .....	13.86	
01 55 26 00-0065	DAY	6' Long Portable Speed Bumps.....	4.56	
01 55 26 00-0066	WK	6' Long Portable Speed Bumps.....	13.67	
01 55 26 00-0067	MO	6' Long Portable Speed Bumps.....	41.01	
01 55 26 00-0068	DAY	Up To 12.5' Concrete Traffic Barrier .....	10.95	
01 55 26 00-0069	WK	Up To 12.5' Concrete Traffic Barrier .....	32.84	
01 55 26 00-0070	MO	Up To 12.5' Concrete Traffic Barrier .....	98.52	
01 55 26 00-0071	DAY	>12.5' To 20' Concrete Traffic Barrier .....	21.89	
01 55 26 00-0072	WK	>12.5' To 20' Concrete Traffic Barrier .....	65.68	
01 55 26 00-0073	MO	>12.5' To 20' Concrete Traffic Barrier .....	197.05	
01 55 26 00-0074	DAY	6' x 32" Tall Plastic Water Barrier.....	13.07	
01 55 26 00-0075	WK	6' x 32" Tall Plastic Water Barrier.....	39.22	
01 55 26 00-0076	MO	6' x 32" Tall Plastic Water Barrier.....	117.66	
01 55 26 00-0077	DAY	6' x 46" Tall Plastic Water Barrier.....	18.67	
01 55 26 00-0078	WK	6' x 46" Tall Plastic Water Barrier.....	56.00	
01 55 26 00-0079	MO	6' x 46" Tall Plastic Water Barrier.....	168.00	
01 55 26 00-0080	DAY	Sand Filled Crash Attenuator Barrels .....	7.31	
01 55 26 00-0081	WK	Sand Filled Crash Attenuator Barrels .....	21.92	
01 55 26 00-0082	MO	Sand Filled Crash Attenuator Barrels .....	65.76	

01 55 26 00-0083		Portable Signs And Message Displays Usage <small>(01 55 26 00-0026)</small>		
Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0102 for delivery, placing and removal.				
01 55 26 00-0084	DAY	Mesh Or Vinyl Roll-up Sign With Stand.....	5.74	
01 55 26 00-0085	WK	Mesh Or Vinyl Roll-up Sign With Stand.....	17.21	
01 55 26 00-0086	MO	Mesh Or Vinyl Roll-up Sign With Stand.....	51.63	
01 55 26 00-0087	DAY	Aluminum Sign And Post .....	3.08	
01 55 26 00-0088	WK	Aluminum Sign And Post .....	9.24	
01 55 26 00-0089	MO	Aluminum Sign And Post .....	27.71	
01 55 26 00-0090	DAY	Aluminum Sign And A Frame Stand.....	4.34	
01 55 26 00-0091	WK	Aluminum Sign And A Frame Stand.....	13.01	
01 55 26 00-0092	MO	Aluminum Sign And A Frame Stand.....	39.04	
01 55 26 00-0093	DAY	Trailer Mounted Flashing Arrow Board.....	118.00	
01 55 26 00-0094	WK	Trailer Mounted Flashing Arrow Board.....	326.60	
01 55 26 00-0095	MO	Trailer Mounted Flashing Arrow Board.....	446.90	
01 55 26 00-0096	DAY	Trailer Mounted Portable Variable Message Sign (PVMS) .....	327.00	
01 55 26 00-0097	WK	Trailer Mounted Portable Variable Message Sign (PVMS) .....	872.00	
01 55 26 00-0098	MO	Trailer Mounted Portable Variable Message Sign (PVMS) .....	1,744.00	
01 55 26 00-0099	DAY	Two Head, Trailer Mounted Traffic Signal System (Set Of Two).....	976.78	
Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.				
01 55 26 00-0100	WK	Two Head, Trailer Mounted Traffic Signal System (Set Of Two).....	2,930.34	
Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.				
01 55 26 00-0101	MO	Two Head, Trailer Mounted Traffic Signal System (Set Of Two).....	8,791.02	
Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.				

01 55 26 00-0102		Place And Remove Traffic Protection Using Truck <small>(01 55 26 00-0026)</small>		
Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0039 for delivery >15 miles.				
01 55 26 00-0103	EA	Placement And Removal Of Up To 250 Cones Using Truck.....	4.08	
01 55 26 00-0104	EA	Placement And Removal Of >250 Cones Using Truck .....	3.27	
01 55 26 00-0105	EA	Placement And Removal Of Up To 250 Panels/Channelizers Using Truck .....	5.45	
01 55 26 00-0106	EA	Placement And Removal Of >250 Panels/Channelizers Using Truck .....	4.36	
01 55 26 00-0107	EA	Placement And Removal Of Up To 250 Barricades Using Truck .....	8.17	
01 55 26 00-0108	EA	Placement And Removal Of >250 Barricades Using Truck.....	6.53	
01 55 26 00-0109	EA	Placement And Removal Of Curbs/Speed Bumps Using Truck.....	8.17	
01 55 26 00-0110	EA	Placement And Removal Of Portable Sign And Stand Using Truck.....	4.90	
01 55 26 00-0111	EA	Placement And Removal Of Aluminum Sign And Post Using Truck .....	20.43	
01 55 26 00-0112	EA	Placement And Removal Of Trailer Mounted Boards And Signals Using Truck .....	61.28	
01 55 26 00-0113	EA	Placement And Removal Of Up To 12.5' Concrete Traffic Barrier .....	83.07	
Note: If lifting equipment is not available on site, See CSI section 01 71 13 00-0000 for mobilization tasks.				
		For 1 Barrier, Add	207.68	
		For 2 Barriers, Add	74.76	
		For 3 Barriers, Add	24.92	
01 55 26 00-0114	EA	Placement And Removal Of >12.5' Concrete Traffic Barrier .....	124.60	
Note: If lifting equipment is not available on site, See CSI section 01 71 13 00-0000 for mobilization tasks.				
		For 1 Barrier, Add	311.50	
		For 2 Barriers, Add	112.14	
		For 3 Barriers, Add	37.38	
01 55 26 00-0115	EA	Placement And Removal Of Plastic Water Barrier .....	46.53	
Note: Includes water. If lifting equipment is not available on site, See CSI section 01 71 13 00-0000 for mobilization tasks.				
		For 1 Barrier, Add	103.83	
		For 2 Barriers, Add	37.38	
		For 3 Barriers, Add	12.46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 55 26 00-0116	EA	Placement And Removal Of Crash Attenuator Barrels .....	62.29
		Note: If lifting equipment is not available on site, See CSI section 01 71 13 00-0000 for mobilization tasks.	
		For 1 Barrier, Add	155.73
		For 2 Barriers, Add	56.06
		For 3 Barriers, Add	18.69

**01 55 26 00-0117 Place And Remove Traffic Protection From Roadside (Daily)** (01 55 26 00-0026)

01 55 26 00-0118	EA	Placement And Removal Of Up To 250 Cones By Hand From Roadside .....	2.04
01 55 26 00-0119	EA	Placement And Removal Of >250 Cones By Hand From Roadside .....	1.64
01 55 26 00-0120	EA	Placement And Removal Of Up To 250 Panels/Channelizers By Hand From Roadside .....	2.72
01 55 26 00-0121	EA	Placement And Removal Of >250 Panels/Channelizers By Hand From Roadside .....	2.17
01 55 26 00-0122	EA	Placement And Removal Of Up To 250 Barricades By Hand From Roadside .....	4.08
01 55 26 00-0123	EA	Placement And Removal Of >250 Barricades By Hand From Roadside .....	3.27
01 55 26 00-0124	EA	Placement And Removal Of Portable Sign And Stand From Roadside .....	2.44
01 55 26 00-0125	EA	Placement And Removal Of Trailer Mounted Boards And Signals From Roadside .....	30.64
01 55 26 00-0126	EA	Roadside Relocation Of Concrete Traffic Barrier .....	41.53
		Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	

**01 55 26 00-0127 Temporary Rumble Strips** (01 55 26)

Note: Includes removal after use.			
01 55 26 00-0128	LF	1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip .....	9.63
01 55 26 00-0129	LF	1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip .....	7.00

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

Note: Includes removal after use.

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

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

Note: Includes removal after use.			
01 56 16 00-0002	SF	6 Mil, Plastic Sheeting, Applied To Floors .....	0.31
01 56 16 00-0003	SF	6 Mil, Plastic Sheeting, Applied To Walls .....	0.41
01 56 16 00-0004	SF	6 Mil, Plastic Sheeting, Applied To Ceilings .....	0.54
01 56 16 00-0005	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding .....	0.53
01 56 16 00-0006	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors .....	0.37
01 56 16 00-0007	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls .....	0.47
01 56 16 00-0008	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings .....	0.60
01 56 16 00-0009	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding .....	0.57
01 56 16 00-0010	SF	10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding .....	0.70
01 56 16 00-0011	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Floors .....	0.38
01 56 16 00-0012	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Walls .....	0.48
01 56 16 00-0013	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Ceilings .....	0.61
01 56 16 00-0014	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Scaffolding .....	0.58
01 56 16 00-0015	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Floors .....	0.38
01 56 16 00-0016	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Walls .....	0.48
01 56 16 00-0017	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings .....	0.61
01 56 16 00-0018	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding .....	0.58
01 56 16 00-0019	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors .....	0.43
01 56 16 00-0020	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls .....	0.53
01 56 16 00-0021	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings .....	0.66
01 56 16 00-0022	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding .....	0.63

**01 56 16 00-0023 Temporary Canvas For Protection** (01 56 16)

Note: Includes removal after use.			
01 56 16 00-0024	SF	Heavy Duty Woven Water Repellant Canvas, Applied To Walls .....	0.83

**01 56 16 00-0025 Accessories For Temporary Sheeting** (01 56 16)

Note: Includes removal after use.			
01 56 16 00-0026	EA	7' Zipper Door For Plastic Sheeting .....	19.74
01 56 16 00-0027	LF	Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall) .....	7.19
		Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors.	

**01 56 16 00-0028 Temporary Critical Barriers For Protection** (01 56 16)

Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.			
01 56 16 00-0029	EA	Up To 1 SF Individual Critical Barriers .....	10.63
		Note: For Outlets And Receptacles	
01 56 16 00-0030	EA	>1 To 4 SF Individual Critical Barriers .....	16.07
		Note: For diffusers, ceiling speakers, return grilles, etc.	
01 56 16 00-0031	EA	>4 To 8 SF Individual Critical Barriers .....	21.58
		Note: For diffusers, return grilles, access doors, light fixtures, etc.	
01 56 16 00-0032	EA	>8 To 32 SF Individual Critical Barriers .....	33.50
		Note: For doors, windows, etc.	

**01 56 16 00-0033 Temporary Stud Wall** (01 56 16)

Note: Includes removal after use.

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0034			<b>Temporary Stud Wall With Drywall</b> (01 56 16 00-0033) Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
01 56 16 00-0035			<b>Temporary Stud Wall With Drywall</b> (01 56 16 00-0034)		
01 56 16 00-0036	SF		3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.36	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.28	
01 56 16 00-0037	SF		1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.36	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.28	
01 56 16 00-0038	SF		5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.44	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.28	
01 56 16 00-0039	SF		3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	8.48	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.37	
01 56 16 00-0040	SF		1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	8.48	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.37	
01 56 16 00-0041	SF		5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	8.64	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.37	
01 56 16 00-0042			<b>Temporary Stud Wall With Fire Rated Drywall</b> (01 56 16 00-0034)		
01 56 16 00-0043	SF		1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.45	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.28	
01 56 16 00-0044	SF		5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.48	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.28	
01 56 16 00-0045	SF		5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.43	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.28	
01 56 16 00-0046	SF		3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center .....	7.05	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.28	
01 56 16 00-0047	SF		1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	8.66	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.37	
01 56 16 00-0048	SF		5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	8.72	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.37	
01 56 16 00-0049	SF		5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	8.62	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.37	
01 56 16 00-0050	SF		3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	9.86	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.37	
01 56 16 00-0051			<b>Temporary Stud Wall With Oriented Strand Board (OSB)</b> (01 56 16 00-0033) Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0052	SF		7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center .....	7.21	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.28	
01 56 16 00-0053	SF		1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center .....	7.37	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.28	
01 56 16 00-0054	SF		5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center .....	7.83	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.28	
01 56 16 00-0055	SF		3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center .....	8.07	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.28	
01 56 16 00-0056	SF		7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	10.19	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.37	
01 56 16 00-0057	SF		1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	10.51	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.37	
01 56 16 00-0058	SF		5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	11.41	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.37	
01 56 16 00-0059	SF		3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	11.90	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.37	
01 56 16 00-0060			<b>Temporary Stud Wall With BC Plywood</b> (01 56 16 00-0033) Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0061	SF		3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center .....	8.29	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.28	
01 56 16 00-0062	SF		1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center .....	8.88	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.28	
01 56 16 00-0063	SF		5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center .....	9.05	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.28	
01 56 16 00-0064	SF		3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center .....	9.48	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.28	
01 56 16 00-0065	SF		3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	12.35	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.37	
01 56 16 00-0066	SF		1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	13.52	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.37	
01 56 16 00-0067	SF		5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	13.85	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.37	
01 56 16 00-0068	SF		3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	14.71	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.37	
01 56 16 00-0069			<b>Temporary Stud Wall With Plastic Sheeting</b> (01 56 16 00-0033) Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.		
01 56 16 00-0070	SF		6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.00	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.18	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0071 SF 6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.05	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.18	
01 56 16 00-0072 SF 6 Mil, Fire Retardant, Anti-Static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.07	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.18	
01 56 16 00-0073 SF 6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.07	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.18	
01 56 16 00-0074 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.12	
<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.18	
<b>01 56 16 00-0075 Temporary Doors</b> <small>(01 56 16 00-0033)</small>		
Note: For temporary stud walls. Includes removal after use.		
01 56 16 00-0076 EA Temporary Metal Door And Frame.....	549.98	
Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.		
<b>01 56 16 00-0077 Sticky Mats</b> <small>(01 56 16)</small>		
Note: Includes removal after use.		
01 56 16 00-0078 EA 18" x 36", 30 Layer Sticky Mat.....	26.60	
<i>For 60 Layers Instead Of 30, Add</i>	17.12	
01 56 16 00-0079 EA 18" x 46", 30 Layer Sticky Mat.....	30.41	
<i>For 60 Layers Instead Of 30, Add</i>	19.98	
01 56 16 00-0080 EA 24" x 36", 30 Layer Sticky Mat.....	30.41	
<i>For 60 Layers Instead Of 30, Add</i>	19.98	
01 56 16 00-0081 EA 25" x 45", 30 Layer Sticky Mat.....	39.92	
<i>For 60 Layers Instead Of 30, Add</i>	27.11	
01 56 16 00-0082 EA 36" x 36", 30 Layer Sticky Mat.....	43.72	
<i>For 60 Layers Instead Of 30, Add</i>	29.96	
01 56 16 00-0083 EA 36" x 46", 30 Layer Sticky Mat.....	47.53	
<i>For 60 Layers Instead Of 30, Add</i>	32.82	
01 56 16 00-0084 EA 36" x 60", 30 Layer Sticky Mat.....	95.09	
<i>For 60 Layers Instead Of 30, Add</i>	68.49	
01 56 16 00-0085 EA 36" x 72", 30 Layer Sticky Mat.....	113.36	
<b>01 56 16 00-0086 Temporary Floor Protection</b> <small>(01 56 16)</small>		
Note: Includes removal after use.		
01 56 16 00-0087 SF Masonite For Temporary Floor Protection.....	1.69	
01 56 16 00-0088 SF 1/2" Plywood For Temporary Floor Protection.....	2.50	
01 56 16 00-0089 SF 3/4" Plywood For Temporary Floor Protection.....	3.07	
01 56 16 00-0090 LF 38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection.....	0.98	
01 56 16 00-0091 LF 36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection.....	0.30	
01 56 16 00-0092 CSF 3 Mil, Temporary Self-adhesive Carpet Protection Film.....	19.85	
01 56 16 00-0093 SF Burlap For Temporary Floor Protection.....	0.64	
<b>01 56 26 Temporary Fencing</b> <small>(01 56)</small>		
<b>01 56 26 00-0001 Temporary Fencing</b> <small>(01 56 26)</small>		
Note: Per ASTM A392-06 Standards		
<b>01 56 26 00-0002 Temporary Chain Link Fence</b> <small>(01 56 26 00-0001)</small>		
Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
<b>01 56 26 00-0003 Temporary Chain Link Fence, Up To 6 Months</b> <small>(01 56 26 00-0002)</small>		
01 56 26 00-0004 LF Temporary 4' High Chain Link Fence And Posts, Up To 6 Months.....	6.00	
<i>For &gt;100 To 250, Deduct</i>	-0.15	
<i>For &gt;250 To 500, Deduct</i>	-0.30	
<i>For &gt;500, Deduct</i>	-0.45	
<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0005 LF Temporary 6' High Chain Link Fence And Posts, Up To 6 Months.....	6.68	
<i>For &gt;100 To 250, Deduct</i>	-0.17	
<i>For &gt;250 To 500, Deduct</i>	-0.34	
<i>For &gt;500, Deduct</i>	-0.51	
<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0006 LF Temporary 8' High Chain Link Fence And Posts, Up To 6 Months.....	9.32	
<i>For &gt;100 To 250, Deduct</i>	-0.29	
<i>For &gt;250 To 500, Deduct</i>	-0.57	
<i>For &gt;500, Deduct</i>	-0.86	
<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0007 LF Temporary 10' High Chain Link Fence And Posts, Up To 6 Months.....	20.95	
<i>For &gt;100 To 250, Deduct</i>	-0.85	
<i>For &gt;250 To 500, Deduct</i>	-1.70	
<i>For &gt;500, Deduct</i>	-2.54	
<i>For Each LF Shade Cloth, Add</i>	4.75	
<b>01 56 26 00-0008 Temporary Chain Link Fence, &gt;6 To 12 Months</b> <small>(01 56 26 00-0002)</small>		
01 56 26 00-0009 LF Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months.....	6.31	
<i>For &gt;100 To 250, Deduct</i>	-0.17	
<i>For &gt;250 To 500, Deduct</i>	-0.33	
<i>For &gt;500, Deduct</i>	-0.50	
<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0010 LF Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months.....	7.02	
<i>For &gt;100 To 250, Deduct</i>	-0.19	
<i>For &gt;250 To 500, Deduct</i>	-0.37	
<i>For &gt;500, Deduct</i>	-0.56	
<i>For Each LF Shade Cloth, Add</i>	2.55	

**01 General Requirements**  
**01 50 Temporary Facilities and Controls**  
**01 56 Temporary Barriers and Enclosures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0011	LF		Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months.....	9.88	
			<i>For &gt;100 To 250, Deduct</i>	-0.31	
			<i>For &gt;250 To 500, Deduct</i>	-0.63	
			<i>For &gt;500, Deduct</i>	-0.94	
			<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0012	LF		Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months.....	22.64	
			<i>For &gt;100 To 250, Deduct</i>	-0.93	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.80	
			<i>For Each LF Shade Cloth, Add</i>	4.75	
<b>01 56 26 00-0013</b>			<b>Temporary Chain Link Fence, &gt;12 To 18 Months</b> (01 56 26 00-0002)		
01 56 26 00-0014	LF		Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months.....	6.64	
			<i>For &gt;100 To 250, Deduct</i>	-0.18	
			<i>For &gt;250 To 500, Deduct</i>	-0.36	
			<i>For &gt;500, Deduct</i>	-0.54	
			<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0015	LF		Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months.....	7.40	
			<i>For &gt;100 To 250, Deduct</i>	-0.20	
			<i>For &gt;250 To 500, Deduct</i>	-0.41	
			<i>For &gt;500, Deduct</i>	-0.61	
			<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0016	LF		Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months.....	10.52	
			<i>For &gt;100 To 250, Deduct</i>	-0.35	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;500, Deduct</i>	-1.04	
			<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0017	LF		Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months.....	24.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.03	
			<i>For &gt;250 To 500, Deduct</i>	-2.05	
			<i>For &gt;500, Deduct</i>	-3.08	
			<i>For Each LF Shade Cloth, Add</i>	4.75	
<b>01 56 26 00-0018</b>			<b>Temporary Chain Link Fence, &gt;18 Months</b> (01 56 26 00-0002)		
01 56 26 00-0019	LF		Temporary 4' High Chain Link Fence And Posts, >18 Months.....	7.00	
			<i>For &gt;100 To 250, Deduct</i>	-0.20	
			<i>For &gt;250 To 500, Deduct</i>	-0.40	
			<i>For &gt;500, Deduct</i>	-0.60	
			<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0020	LF		Temporary 6' High Chain Link Fence And Posts, >18 Months.....	7.78	
			<i>For &gt;100 To 250, Deduct</i>	-0.22	
			<i>For &gt;250 To 500, Deduct</i>	-0.45	
			<i>For &gt;500, Deduct</i>	-0.67	
			<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0021	LF		Temporary 8' High Chain Link Fence And Posts, >18 Months.....	11.20	
			<i>For &gt;100 To 250, Deduct</i>	-0.38	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-1.14	
			<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0022	LF		Temporary 10' High Chain Link Fence And Posts, >18 Months.....	26.55	
			<i>For &gt;100 To 250, Deduct</i>	-1.13	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-3.38	
			<i>For Each LF Shade Cloth, Add</i>	4.75	
<b>01 56 26 00-0023</b>			<b>Temporary Chain Link Fence Gates</b> (01 56 26 00-0001)		
			Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
<b>01 56 26 00-0024</b>			<b>Temporary Chain Link Fence Gates, Up To 6 Months</b> (01 56 26 00-0023)		
<b>01 56 26 00-0025</b>			<b>4' High, Temporary Chain Link Fence Gates, Up To 6 Months</b> (01 56 26 00-0024)		
01 56 26 00-0026	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	247.11	
			<i>For Each LF Shade Cloth, Add</i>	14.23	
01 56 26 00-0027	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	417.07	
			<i>For Each LF Shade Cloth, Add</i>	35.57	
01 56 26 00-0028	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	467.71	
			<i>For Each LF Shade Cloth, Add</i>	42.68	
01 56 26 00-0029	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	531.92	
			<i>For Each LF Shade Cloth, Add</i>	53.35	
01 56 26 00-0030	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	638.09	
			<i>For Each LF Shade Cloth, Add</i>	71.14	
01 56 26 00-0031	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	709.19	
			<i>For Each LF Shade Cloth, Add</i>	85.37	
<b>01 56 26 00-0032</b>			<b>6' High, Temporary Chain Link Fence Gates, Up To 6 Months</b> (01 56 26 00-0024)		
01 56 26 00-0033	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	264.07	
			<i>For Each LF Shade Cloth, Add</i>	22.68	
01 56 26 00-0034	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	449.38	
			<i>For Each LF Shade Cloth, Add</i>	56.69	
01 56 26 00-0035	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	504.97	
			<i>For Each LF Shade Cloth, Add</i>	68.03	
01 56 26 00-0036	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	583.93	
			<i>For Each LF Shade Cloth, Add</i>	85.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0037 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Each LF Shade Cloth, Add</i>	706.40 113.38	
01 56 26 00-0038 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Each LF Shade Cloth, Add</i>	799.38 136.05	
<b>01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months</b> <small>(01 56 26 00-0024)</small>		
01 56 26 00-0040 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Each LF Shade Cloth, Add</i>	294.53 32.01	
01 56 26 00-0041 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Shade Cloth, Add</i>	513.56 80.03	
01 56 26 00-0042 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Shade Cloth, Add</i>	575.22 96.04	
01 56 26 00-0043 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Shade Cloth, Add</i>	657.71 120.05	
01 56 26 00-0044 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Shade Cloth, Add</i>	803.81 160.06	
01 56 26 00-0045 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Shade Cloth, Add</i>	929.05 192.08	
<b>01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months</b> <small>(01 56 26 00-0024)</small>		
01 56 26 00-0047 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Each LF Shade Cloth, Add</i>	357.70 42.24	
01 56 26 00-0048 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Each LF Shade Cloth, Add</i>	617.63 105.60	
01 56 26 00-0049 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Each LF Shade Cloth, Add</i>	693.13 126.72	
01 56 26 00-0050 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Each LF Shade Cloth, Add</i>	791.41 158.40	
01 56 26 00-0051 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Each LF Shade Cloth, Add</i>	967.44 211.19	
01 56 26 00-0052 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Each LF Shade Cloth, Add</i>	1,113.23 253.43	
<b>01 56 26 00-0053 Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> <small>(01 56 26 00-0023)</small>		
<b>01 56 26 00-0054 4' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> <small>(01 56 26 00-0053)</small>		
01 56 26 00-0055 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months..... <i>For Each LF Shade Cloth, Add</i>	256.64 14.23	
01 56 26 00-0056 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months..... <i>For Each LF Shade Cloth, Add</i>	431.89 35.57	
01 56 26 00-0057 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months..... <i>For Each LF Shade Cloth, Add</i>	484.64 42.68	
01 56 26 00-0058 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months..... <i>For Each LF Shade Cloth, Add</i>	550.97 53.35	
01 56 26 00-0059 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months..... <i>For Each LF Shade Cloth, Add</i>	661.38 71.14	
01 56 26 00-0060 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months..... <i>For Each LF Shade Cloth, Add</i>	734.60 85.37	
<b>01 56 26 00-0061 6' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> <small>(01 56 26 00-0053)</small>		
01 56 26 00-0062 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months..... <i>For Each LF Shade Cloth, Add</i>	274.03 22.68	
01 56 26 00-0063 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months..... <i>For Each LF Shade Cloth, Add</i>	464.87 56.69	
01 56 26 00-0064 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months..... <i>For Each LF Shade Cloth, Add</i>	522.67 68.03	
01 56 26 00-0065 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months..... <i>For Each LF Shade Cloth, Add</i>	603.86 85.03	
01 56 26 00-0066 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months..... <i>For Each LF Shade Cloth, Add</i>	730.75 113.38	
01 56 26 00-0067 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months..... <i>For Each LF Shade Cloth, Add</i>	825.94 136.05	
<b>01 56 26 00-0068 8' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> <small>(01 56 26 00-0053)</small>		
01 56 26 00-0069 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months..... <i>For Each LF Shade Cloth, Add</i>	305.49 32.01	
01 56 26 00-0070 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months..... <i>For Shade Cloth, Add</i>	530.60 80.03	
01 56 26 00-0071 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months..... <i>For Shade Cloth, Add</i>	594.70 96.04	
01 56 26 00-0072 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months..... <i>For Shade Cloth, Add</i>	679.62 120.05	
01 56 26 00-0073 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months..... <i>For Shade Cloth, Add</i>	830.59 160.06	
01 56 26 00-0074 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months..... <i>For Shade Cloth, Add</i>	958.27 192.08	
<b>01 56 26 00-0075 10' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> <small>(01 56 26 00-0053)</small>		
01 56 26 00-0076 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months..... <i>For Each LF Shade Cloth, Add</i>	371.39 42.24	

**01 General Requirements**  
**01 50 Temporary Facilities and Controls**  
**01 56 Temporary Barriers and Enclosures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0077	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	638.94	
			<i>For Each LF Shade Cloth, Add</i>	105.60	
01 56 26 00-0078	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	717.48	
			<i>For Each LF Shade Cloth, Add</i>	126.72	
01 56 26 00-0079	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	818.80	
			<i>For Each LF Shade Cloth, Add</i>	158.40	
01 56 26 00-0080	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	1,000.92	
			<i>For Each LF Shade Cloth, Add</i>	211.19	
01 56 26 00-0081	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	1,149.75	
			<i>For Each LF Shade Cloth, Add</i>	253.43	
<b>01 56 26 00-0082</b>			<b>Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> (01 56 26 00-0023)		
<b>01 56 26 00-0083</b>			<b>4' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> (01 56 26 00-0082)		
01 56 26 00-0084	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	266.64	
			<i>For Each LF Shade Cloth, Add</i>	14.23	
01 56 26 00-0085	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	447.45	
			<i>For Each LF Shade Cloth, Add</i>	35.57	
01 56 26 00-0086	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	502.43	
			<i>For Each LF Shade Cloth, Add</i>	42.68	
01 56 26 00-0087	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	570.98	
			<i>For Each LF Shade Cloth, Add</i>	53.35	
01 56 26 00-0088	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	685.83	
			<i>For Each LF Shade Cloth, Add</i>	71.14	
01 56 26 00-0089	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	761.27	
			<i>For Each LF Shade Cloth, Add</i>	85.37	
<b>01 56 26 00-0090</b>			<b>6' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> (01 56 26 00-0082)		
01 56 26 00-0091	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	284.49	
			<i>For Each LF Shade Cloth, Add</i>	22.68	
01 56 26 00-0092	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	481.14	
			<i>For Each LF Shade Cloth, Add</i>	56.69	
01 56 26 00-0093	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	541.26	
			<i>For Each LF Shade Cloth, Add</i>	68.03	
01 56 26 00-0094	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	624.77	
			<i>For Each LF Shade Cloth, Add</i>	85.03	
01 56 26 00-0095	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	756.32	
			<i>For Each LF Shade Cloth, Add</i>	113.38	
01 56 26 00-0096	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	853.83	
			<i>For Each LF Shade Cloth, Add</i>	136.05	
<b>01 56 26 00-0097</b>			<b>8' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> (01 56 26 00-0082)		
01 56 26 00-0098	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	317.00	
			<i>For Each LF Shade Cloth, Add</i>	32.01	
01 56 26 00-0099	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	548.50	
			<i>For Shade Cloth, Add</i>	80.03	
01 56 26 00-0100	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	615.15	
			<i>For Shade Cloth, Add</i>	96.04	
01 56 26 00-0101	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	702.63	
			<i>For Shade Cloth, Add</i>	120.05	
01 56 26 00-0102	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	858.72	
			<i>For Shade Cloth, Add</i>	160.06	
01 56 26 00-0103	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	988.94	
			<i>For Shade Cloth, Add</i>	192.08	
<b>01 56 26 00-0104</b>			<b>10' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> (01 56 26 00-0082)		
01 56 26 00-0105	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	385.77	
			<i>For Each LF Shade Cloth, Add</i>	42.24	
01 56 26 00-0106	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	661.31	
			<i>For Each LF Shade Cloth, Add</i>	105.60	
01 56 26 00-0107	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	743.05	
			<i>For Each LF Shade Cloth, Add</i>	126.72	
01 56 26 00-0108	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	847.56	
			<i>For Each LF Shade Cloth, Add</i>	158.40	
01 56 26 00-0109	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	1,036.07	
			<i>For Each LF Shade Cloth, Add</i>	211.19	
01 56 26 00-0110	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	1,188.10	
			<i>For Each LF Shade Cloth, Add</i>	253.43	
<b>01 56 26 00-0111</b>			<b>Temporary Chain Link Fence Gates, &gt;18 Months</b> (01 56 26 00-0023)		
<b>01 56 26 00-0112</b>			<b>4' High, Temporary Chain Link Fence Gates, &gt;18 Months</b> (01 56 26 00-0111)		
01 56 26 00-0113	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months.....	276.64	
			<i>For Each LF Shade Cloth, Add</i>	14.23	
01 56 26 00-0114	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months.....	463.01	
			<i>For Each LF Shade Cloth, Add</i>	35.57	
01 56 26 00-0115	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months.....	520.21	
			<i>For Each LF Shade Cloth, Add</i>	42.68	
01 56 26 00-0116	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months.....	590.99	
			<i>For Each LF Shade Cloth, Add</i>	53.35	
01 56 26 00-0117	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months.....	710.29	
			<i>For Each LF Shade Cloth, Add</i>	71.14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0118 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months..... <i>For Each LF Shade Cloth, Add</i>	787.95 85.37	
<b>01 56 26 00-0119 6' High, Temporary Chain Link Fence Gates, &gt;18 Months</b> (01 56 26 00-0111)		
01 56 26 00-0120 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months..... <i>For Each LF Shade Cloth, Add</i>	294.95 22.68	
01 56 26 00-0121 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months..... <i>For Each LF Shade Cloth, Add</i>	497.41 56.69	
01 56 26 00-0122 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months..... <i>For Each LF Shade Cloth, Add</i>	559.86 68.03	
01 56 26 00-0123 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months..... <i>For Each LF Shade Cloth, Add</i>	645.69 85.03	
01 56 26 00-0124 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months..... <i>For Each LF Shade Cloth, Add</i>	781.88 113.38	
01 56 26 00-0125 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months..... <i>For Each LF Shade Cloth, Add</i>	881.72 136.05	
<b>01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, &gt;18 Months</b> (01 56 26 00-0111)		
01 56 26 00-0127 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months..... <i>For Each LF Shade Cloth, Add</i>	328.50 32.01	
01 56 26 00-0128 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months..... <i>For Shade Cloth, Add</i>	566.39 80.03	
01 56 26 00-0129 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months..... <i>For Shade Cloth, Add</i>	635.61 96.04	
01 56 26 00-0130 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months..... <i>For Shade Cloth, Add</i>	725.64 120.05	
01 56 26 00-0131 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months..... <i>For Shade Cloth, Add</i>	886.84 160.06	
01 56 26 00-0132 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months..... <i>For Shade Cloth, Add</i>	1,019.62 192.08	
<b>01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, &gt;18 Months</b> (01 56 26 00-0111)		
01 56 26 00-0134 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months..... <i>For Each LF Shade Cloth, Add</i>	400.15 42.24	
01 56 26 00-0135 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months..... <i>For Each LF Shade Cloth, Add</i>	683.68 105.60	
01 56 26 00-0136 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months..... <i>For Each LF Shade Cloth, Add</i>	768.61 126.72	
01 56 26 00-0137 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months..... <i>For Each LF Shade Cloth, Add</i>	876.32 158.40	
01 56 26 00-0138 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months..... <i>For Each LF Shade Cloth, Add</i>	1,071.22 211.19	
01 56 26 00-0139 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months..... <i>For Each LF Shade Cloth, Add</i>	1,226.45 253.43	
<b>01 56 26 00-0140 Temporary Chain Link Fence Panels (Portable)</b> (01 56 26 00-0001) Note: Includes delivery, set-up and removal. Excludes sandbags.		
<b>01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months</b> (01 56 26 00-0140)		
01 56 26 00-0142 LF Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	6.59 -0.18 -0.36 -0.54 1.60	
01 56 26 00-0143 LF Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	7.32 -0.20 -0.40 -0.60 2.55	
01 56 26 00-0144 LF Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	10.09 -0.32 -0.65 -0.97 3.60	
<b>01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), &gt;6 To 12 Months</b> (01 56 26 00-0140)		
01 56 26 00-0146 LF Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	6.90 -0.19 -0.39 -0.58 1.60	
01 56 26 00-0147 LF Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	7.66 -0.22 -0.44 -0.65 2.55	
01 56 26 00-0148 LF Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	10.65 -0.35 -0.70 -1.05 3.60	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0149		Temporary Chain Link Fence Panels (Portable), >12 To 18 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0150	LF	Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months .....	7.20	
		<i>For &gt;100 To 250, Deduct</i> .....	-0.21	
		<i>For &gt;250 To 500, Deduct</i> .....	-0.42	
		<i>For &gt;500, Deduct</i> .....	-0.63	
		<i>For Each LF Shade Cloth, Add</i> .....	1.60	
01 56 26 00-0151	LF	Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months .....	8.04	
		<i>For &gt;100 To 250, Deduct</i> .....	-0.24	
		<i>For &gt;250 To 500, Deduct</i> .....	-0.47	
		<i>For &gt;500, Deduct</i> .....	-0.71	
		<i>For Each LF Shade Cloth, Add</i> .....	2.55	
01 56 26 00-0152	LF	Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months .....	11.29	
		<i>For &gt;100 To 250, Deduct</i> .....	-0.38	
		<i>For &gt;250 To 500, Deduct</i> .....	-0.77	
		<i>For &gt;500, Deduct</i> .....	-1.15	
		<i>For Each LF Shade Cloth, Add</i> .....	3.60	
01 56 26 00-0153		Temporary Chain Link Fence Panels (Portable), >18 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0154	LF	Temporary 4' High Chain Link Fence Panels (Portable), >18 Months.....	7.59	
		<i>For &gt;100 To 250, Deduct</i> .....	-0.23	
		<i>For &gt;250 To 500, Deduct</i> .....	-0.46	
		<i>For &gt;500, Deduct</i> .....	-0.69	
		<i>For Each LF Shade Cloth, Add</i> .....	1.60	
01 56 26 00-0155	LF	Temporary 6' High Chain Link Fence Panels (Portable), >18 Months.....	8.42	
		<i>For &gt;100 To 250, Deduct</i> .....	-0.26	
		<i>For &gt;250 To 500, Deduct</i> .....	-0.51	
		<i>For &gt;500, Deduct</i> .....	-0.77	
		<i>For Each LF Shade Cloth, Add</i> .....	2.55	
01 56 26 00-0156	LF	Temporary 8' High Chain Link Fence Panels (Portable), >18 Months.....	11.95	
		<i>For &gt;100 To 250, Deduct</i> .....	-0.42	
		<i>For &gt;250 To 500, Deduct</i> .....	-0.83	
		<i>For &gt;500, Deduct</i> .....	-1.25	
		<i>For Each LF Shade Cloth, Add</i> .....	3.60	
01 56 26 00-0157		Temporary Chain Link Fence Panels (Portable) Sandbags <small>(01 56 26 00-0140)</small>		
01 56 26 00-0158	BAG	Temporary Chain Link Fence Panels (Portable) Sandbag .....	5.85	
		Note: Includes placement and removal.		
01 56 26 00-0159		Relocate Chain Link Fence, Gates And Panels <small>(01 56 26 00-0001)</small>		
		Note: Excludes auguring/drilling for posts.		
01 56 26 00-0160		Relocate Temporary Chain Link Fence On Site <small>(01 56 26 00-0159)</small>		
01 56 26 00-0161	LF	Relocate Temporary 4' High Chain Link Fence And Posts.....	3.14	
01 56 26 00-0162	LF	Relocate Temporary 6' High Chain Link Fence And Posts.....	4.72	
01 56 26 00-0163	LF	Relocate Temporary 8' High Chain Link Fence And Posts.....	6.81	
01 56 26 00-0164	LF	Relocate Temporary 10' High Chain Link Fence And Posts.....	8.39	
01 56 26 00-0165		Relocate Temporary Chain Link Fence Panels On Site <small>(01 56 26 00-0159)</small>		
01 56 26 00-0166	LF	Relocate Temporary 4' High Chain Link Fence Panel, Self Standing .....	0.75	
01 56 26 00-0167	LF	Relocate Temporary 6' High Chain Link Fence Panel, Self Standing .....	0.90	
01 56 26 00-0168	LF	Relocate Temporary 8' High Chain Link Fence Panel, Self Standing .....	1.01	
01 56 26 00-0169		Relocate Temporary Chain Link Gates On Site <small>(01 56 26 00-0159)</small>		
01 56 26 00-0170	EA	Relocate Temporary 4' High Chain Link Vehicle Gate And Posts .....	98.01	
01 56 26 00-0171	EA	Relocate Temporary 6' High Chain Link Vehicle Gate And Posts .....	113.09	
01 56 26 00-0172	EA	Relocate Temporary 8' High Chain Link Vehicle Gate And Posts .....	139.48	
01 56 26 00-0173	EA	Relocate Temporary 10' High Chain Link Vehicle Gate And Posts .....	150.80	
01 56 26 00-0174		Temporary Safety Fence <small>(01 56 26)</small>		
		Note: Includes removal after use.		
01 56 26 00-0175	LF	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence .....	2.91	
<b>01 56 29</b>		<b>Temporary Protective Walkways <small>(01 56)</small></b>		
01 56 29 00-0001		Temporary Sidewalk Bridge Protection <small>(01 56 29)</small>		
		Note: Includes removal after use.		
01 56 29 00-0002		Installation of Sidewalk Bridge <small>(01 56 29 00-0001)</small>		
01 56 29 00-0003	LF	Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly .....	152.68	
		Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
		<i>For 3 Post System, Add</i> .....	6.00	
		<i>For Each Additional Foot Over 8' Wide, Add</i> .....	3.00	
		<i>For Each Additional Foot Over 8' High, Add</i> .....	2.00	
01 56 29 00-0004	LF	Installation of Netting for Sidewalk Bridge.....	3.89	
01 56 29 00-0005		Monthly Rental of Sidewalk Bridge <small>(01 56 29 00-0001)</small>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 29 00-0006	LF	Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	10.39
		<i>For 3 Post System, Add</i>	1.56
01 56 29 00-0007	LF	Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	11.70
		<i>For 3 Post System, Add</i>	1.76
01 56 29 00-0008	LF	Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	13.00
		<i>For 3 Post System, Add</i>	1.95
01 56 29 00-0009	LF	Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	13.00
		<i>For 3 Post System, Add</i>	1.95
01 56 29 00-0010	LF	Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	14.29
		<i>For 3 Post System, Add</i>	2.14
01 56 29 00-0011	LF	Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	16.91
		<i>For 3 Post System, Add</i>	2.54
01 56 29 00-0012	LF	Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	15.61
		<i>For 3 Post System, Add</i>	2.34
01 56 29 00-0013	LF	Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	18.21
		<i>For 3 Post System, Add</i>	2.73
01 56 29 00-0014	LF	Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	19.48
		<i>For 3 Post System, Add</i>	2.92
01 56 29 00-0015	LF	Monthly Rental of Netting for Sidewalk Bridge.....	1.95

**01 56 29 00-0016 Removal of Sidewalk Bridge** (01 56 29 00-0001)

01 56 29 00-0017	LF	Removal Of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	31.78
		<i>For 3 Post System, Add</i>	2.50
		<i>For Each Additional Foot Over 8' Wide, Add</i>	1.25
		<i>For Each Additional Foot Over 8' High, Add</i>	0.75
01 56 29 00-0018	LF	Removal Of Netting For Sidewalk Bridge.....	1.94

**01 56 29 00-0019 Safety Nets** (01 56 29)

Note: Includes removal after use.

01 56 29 00-0020	SF	Small Mesh Debris Netting..... Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.	1.67
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**01 56 33 Temporary Security Barriers** (01 56)

**01 56 33 00-0001 Board-up Opening With Plywood** (01 56 33)

Note: For use where directed by owner for boarding up door and window openings.

01 56 33 00-0002	OPN	Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day.....	11.32
01 56 33 00-0003	SF	5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening .....	9.20
01 56 33 00-0004	SF	3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening .....	10.60

**01 56 33 00-0005 Temporary Pedestrian Barricade** (01 56 33)

Note: Portable, interlocking galvanized steel fence with pivoting legs.

01 56 33 00-0006	DAY	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	9.69
01 56 33 00-0007	WK	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	23.52
01 56 33 00-0008	MO	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	70.57

**01 56 39 Temporary Tree and Plant Protection** (01 56)

**01 56 39 00-0001 Temporary Tree Guards** (01 56 39)

Note: Includes digging holes and removal after use.

01 56 39 00-0002	EA	Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail .....	156.67
01 56 39 00-0003	EA	4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail .....	183.76
01 56 39 00-0004	EA	6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail .....	199.29

**01 57 Temporary Controls** (01 50)

- 01 57 13 Temporary Erosion and Sediment Control** (01 57)  
See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.
- 01 57 23 Temporary Storm Water Pollution Control** (01 57)

**01 General Requirements**  
**01 50 Temporary Facilities and Controls**  
**01 57 Temporary Controls**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

See CSI section 31 25 00 00-0000 for temporary storm water pollution control.

<b>01 57 23 00-0001</b>	<b>Temporary Drain Guard</b> (01 57 23)		
	Note: Includes removal after use.		
01 57 23 00-0002	EA 36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227) .....	81.15	
01 57 23 00-0003	EA 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217) .....	79.72	
	Note: Up to 0.87 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0004	EA 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219) .....	99.77	
	Note: Up to 1.38 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0005	EA 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356) .....	98.33	
	Note: Up to 1.55 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0006	EA 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358) .....	119.82	
	Note: Up to 2.06 gallons oil, up to 40 lbs sediment.		

**01 58 Project Identification** (01 50)

Note: Includes removal after use.

**01 58 13 Temporary Project Signage** (01 58)

<b>01 58 13 00-0001</b>	<b>Project Sign</b> (01 58 13)		
<b>01 58 13 00-0002</b>	<b>MDO Plywood Signs</b> (01 58 13 00-0001)		
	Note: Excludes posts.		
<b>01 58 13 00-0003</b>	<b>Reflectorized, MDO Plywood Signs</b> (01 58 13 00-0002)		
<b>01 58 13 00-0004</b>	<b>Engineer Grade, Reflectorized, MDO Plywood Signs</b> (01 58 13 00-0003)		
01 58 13 00-0005	EA Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign .....	127.22	20.74
	For High-Intensity Grade, Add	30.01	
	For Diamond Grade, Add	57.88	
01 58 13 00-0006	EA >8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign .....	214.85	21.68
	For High-Intensity Grade, Add	60.02	
	For Diamond Grade, Add	115.76	
01 58 13 00-0007	EA >16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign .....	302.49	22.62
	For High-Intensity Grade, Add	90.03	
	For Diamond Grade, Add	173.64	
01 58 13 00-0008	EA >24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign .....	390.12	23.57
	For High-Intensity Grade, Add	120.05	
	For Diamond Grade, Add	231.52	
01 58 13 00-0009	SF >32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign .....	12.23	0.75
	For High-Intensity Grade, Add	3.75	
	For Diamond Grade, Add	7.24	

**01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs** (01 58 13 00-0002)

<b>01 58 13 00-0011</b>	<b>One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs</b> (01 58 13 00-0010)		
01 58 13 00-0012	EA Up To 8 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....	157.80	20.74
01 58 13 00-0013	EA >8 To 16 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....	187.46	21.68
01 58 13 00-0014	EA >16 To 24 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....	233.64	22.62
01 58 13 00-0015	EA >24 To 32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....	277.24	23.57
01 58 13 00-0016	SF >32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....	8.70	0.75

**01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs** (01 58 13 00-0010)

01 58 13 00-0018	EA Up To 8 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	161.08	20.74
01 58 13 00-0019	EA >8 To 16 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	205.12	21.68
01 58 13 00-0020	EA >16 To 24 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	251.58	22.62
01 58 13 00-0021	EA >24 To 32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	292.62	23.57
01 58 13 00-0022	SF >32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	9.18	0.75

**01 58 13 00-0023 Fabricate And Install New Posts** (01 58 13 00-0001)

Note: Includes excavation, backfill and compaction. Excludes core drilling.

01 58 13 00-0024	LF Galvanized Metal Channel Sign Posts .....	13.95	
01 58 13 00-0025	LF 4" x 4" Pressure Treated Wood Sign Posts .....	11.20	
01 58 13 00-0026	LF 4" x 6" Pressure Treated Wood Sign Posts .....	13.20	

**01 58 13 00-0027 Owner Supplied Signs** (01 58 13 00-0001)

01 58 13 00-0028	EA Installation And Removal Of Owner Supplied Project Sign .....	75.40	
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**01 60 Product Requirements** (01)

**01 66 Product Storage and Handling Requirements** (01 60)

**01 66 19 Product Handling Requirements** (01 66)

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories or less than 125'.

<b>01 66 19 00-0001</b>	<b>Transfer Delivered Materials Between Floors</b> (01 66 19)		
	Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0002	CY Transfer Delivered Material Between Floors Via Stairs, Per Floor .....	14.50	
	Note: Quantity equals volume of materials multiplied by number of floors traveled.		
01 66 19 00-0003	CY Transfer Delivered Material Between Floors Via Elevator, Per Trip .....	9.43	
	Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 66 19 00-0004		<b>Transfer Delivered Materials Distances Greater Than 125'</b> <sup>(01 66 19)</sup> Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0005	CY	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125' .....	5.89	
01 66 19 00-0006		<b>Transfer Demolition Debris Between Floors</b> <sup>(01 66 19)</sup> Note: Only for use with demolition tasks.		
01 66 19 00-0007	CY	Transfer Demolition Debris Between Floors Via Stairs, Per Floor .....	14.50	
01 66 19 00-0008	CY	Transfer Demolition Debris Between Floors Via Elevator, Per Trip .....	9.43	
		Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.		
01 66 19 00-0009		<b>Transfer Demolition Debris Distances Greater Than 125'</b> <sup>(01 66 19)</sup> Note: Only for use with demolition tasks.		
01 66 19 00-0010	CY	Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125' .....	5.89	
01 66 19 00-0011		<b>Moving Furniture And Furnishings</b> <sup>(01 66 19)</sup> Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.		
01 66 19 00-0012	SF	Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings .....	0.94	
		Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.		

01 70 Execution and Closeout Requirements <sup>(01)</sup>

01 71 Examination and Preparation <sup>(01 70)</sup>

01 71 13 Mobilization <sup>(01 71)</sup>

01 71 13 00-0001 Equipment Delivery, Pickup, Mobilization And Demobilization <sup>(01 71 13)</sup>

Note: Excludes flagman for traffic control where necessary.

01 71 13 00-0002	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck .....	273.49	
		Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.		
01 71 13 00-0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed .....	932.74	
		Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.		

01 71 13 00-0004 Crane Delivery, Pickup, Mobilization And Demobilization <sup>(01 71 13)</sup>

Note: Includes delivery of equipment, off loading on site and rigging. Return includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.

01 71 13 00-0005	EA	Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane .....	437.59	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	109.40	
		For >60 To 100 Miles Radius, Add	175.04	
01 71 13 00-0006	EA	20 To 30 Ton Lift Move On/Off Cost, Hydraulic Crane .....	711.06	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	177.77	
		For >60 To 100 Miles Radius, Add	284.42	
01 71 13 00-0007	EA	40 To 50 Ton Lift Move On/Off Cost, Hydraulic Crane .....	984.55	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	246.14	
		For >60 To 100 Miles Radius, Add	393.82	
01 71 13 00-0008	EA	70 To 100 Ton Lift Move On/Off Cost, Hydraulic Crane .....	1,586.24	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	396.56	
		For >60 To 100 Miles Radius, Add	634.50	
01 71 13 00-0009	EA	75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....	1,258.04	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	314.51	
		For >60 To 100 Miles Radius, Add	503.22	
01 71 13 00-0010	EA	100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....	2,023.81	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	505.95	
		For >60 To 100 Miles Radius, Add	809.52	
01 71 13 00-0011	EA	125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....	2,548.91	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	637.23	
		For >60 To 100 Miles Radius, Add	1,019.56	
01 71 13 00-0012	EA	150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....	3,161.53	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	790.38	
		For >60 To 100 Miles Radius, Add	1,264.61	
01 71 13 00-0013	EA	200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....	3,938.23	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	984.56	
		For >60 To 100 Miles Radius, Add	1,575.29	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 71	13 00-0014	EA	250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane ..... Note: Includes delivery, rigging and pickup.	4,594.60	
			<i>For &gt;30 To 60 Miles Radius, Add</i>	1,148.65	
			<i>For &gt;60 To 100 Miles Radius, Add</i>	1,837.84	
01 71	13 00-0015	EA	300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane ..... Note: Includes delivery, rigging and pickup.	6,563.72	
			<i>For &gt;30 To 60 Miles Radius, Add</i>	1,640.93	
			<i>For &gt;60 To 100 Miles Radius, Add</i>	2,625.49	
01 71	13 00-0016	EA	500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane ..... Note: Includes delivery, rigging and pickup.	9,025.11	
			<i>For &gt;30 To 60 Miles Radius, Add</i>	2,256.28	
			<i>For &gt;60 To 100 Miles Radius, Add</i>	3,610.04	

**01 71 23 Field Engineering (01 71)****01 71 23 16 Construction Surveying (01 71 23)**

01 71 23 16-0001	<b>Conventional Topographic Survey (01 71 23 16)</b> Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.				
01 71 23 16-0002	ACR	Conventional Topographic Survey Of Clear Area With Few To No Obstacles.....	1,008.38		
01 71 23 16-0003	ACR	Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings).....	2,831.03		
01 71 23 16-0004	ACR	Conventional Topographic Survey Of Clear Area With Few Structures, And/Or Wooded (5-25% Buildings).....	4,061.90		
01 71 23 16-0005	ACR	Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings).....	6,136.28		
01 71 23 16-0006	ACR	Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings).....	7,693.11		
01 71 23 16-0007	<b>Property Lines Survey (01 71 23 16)</b> Note: Not to be added to tasks in the "Conventional Topographic Survey" section.				
01 71 23 16-0008	LF	Survey Property Lines On Cleared Land.....	2.34		
01 71 23 16-0009	LF	Survey Property Lines On Slightly Wooded Land.....	2.72		
01 71 23 16-0010	LF	Survey Property Lines On Wooded Land.....	3.18		
01 71 23 16-0011	<b>Survey Monument (01 71 23 16)</b>				
01 71 23 16-0012	EA	3' Precast Survey Monument..... <i>For Owner Furnished Monument, Deduct</i>	150.31 -66.29		
01 71 23 16-0013	EA	Precast Survey Monument Box With Cast Iron Frame And Cover.....	222.98		
01 71 23 16-0014	EA	Riser Ring For Survey Monument.....	113.19		
01 71 23 16-0015	EA	Adjust Survey Monument Cover To Grade.....	198.87		
01 71 23 16-0016	<b>Facade Surveying (01 71 23 16)</b>				
01 71 23 16-0017	LF	Facade Survey And Reports (LF Of Facade x Number Of Floors).....	6.34		
01 71 23 16-0018	<b>Utility Survey (01 71 23 16)</b> Note: This survey is only for the location of underground utilities.				
01 71 23 16-0019	ACR	Survey Clear Area For Underground Utilities.....	5,286.68		

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

01 71 36 00-0001	<b>Electromagnetic Survey (01 71 36)</b> Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).				
01 71 36 00-0002	<b>Electromagnetic (SIR/GPR) Survey (01 71 36 00-0001)</b>				
01 71 36 00-0003	EA	Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	779.22		
01 71 36 00-0004	EA	>1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,168.83		
01 71 36 00-0005	EA	>4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	2,337.66		
01 71 36 00-0006	<b>Reports And Mapping For Electromagnetic (SIR/GPR) Surveys (01 71 36 00-0001)</b>				
01 71 36 00-0007	EA	Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt..... Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.	259.74		
01 71 36 00-0008	EA	GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt..... Note: Includes GPS coordinates of located items and reference items.	519.48		
01 71 36 00-0009	EA	CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt..... Note: Includes additions to the owner provided CAD drawing.	1,168.83		

**01 74 Cleaning and Waste Management (01 70)****01 74 13 Progress Cleaning (01 74)**

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

01 74 13 00-0001	<b>General (01 74 13)</b>				
01 74 13 00-0002	CSF	Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent.....	18.87		



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 74 13 00-0003 CY Collect Existing Debris And Load Into Truck Or Dumpster.....22.12  
 Note: Per CY of debris removed.

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

01 74 16 00-0001 Parking Lot, Roads And Pathway Maintenance (01 74 16)  
 Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Do not use these tasks in conjunction with related installation/demolition tasks in the Construction Task Catalog®.

01 74 16 00-0002 Parking Lot, Road, And Street Sweeping (01 74 16 00-0001)

01 74 16 00-0003 MSF Sweep Parking Lot, With Street Sweeper .....19.48  
 01 74 16 00-0004 MSF Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads .....23.37

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

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

01 74 19 00-0001 Debris Chutes (01 74 19)  
 Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.

01 74 19 00-0002 Steel Temporary Debris Chutes (01 74 19 00-0001)

01 74 19 00-0003 LF 18" Diameter, Steel Temporary Debris Chute .....32.17  
 01 74 19 00-0004 LF 30" Diameter, Steel Temporary Debris Chute .....48.30

01 74 19 00-0005 Plastic Temporary Debris Chutes (01 74 19 00-0001)

01 74 19 00-0006 LF 24" Diameter, Plastic Temporary Debris Chute.....12.72  
 For Steel Liner, Add 2.45  
 01 74 19 00-0007 LF 30" Diameter, Plastic Temporary Debris Chute.....14.58  
 For Steel Liner, Add 2.81  
 01 74 19 00-0008 LF 36" Diameter, Plastic Temporary Debris Chute.....16.43  
 For Steel Liner, Add 3.16

01 74 19 00-0009 Wood Temporary Debris Chutes (01 74 19 00-0001)

01 74 19 00-0010 LF 4' x 4', Wood Temporary Debris Chute .....24.48  
 Note: Includes fabrication and installation.

**01 74 19 00-0011 Construction Dumpsters Rental** (01 74 19)

Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.

01 74 19 00-0012 EA 10 CY Dumpster (1.5 Ton) "Construction Debris" .....394.99  
 Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.  
 For Each Ton Over Indicated Amount, Add 90.00

01 74 19 00-0013 EA 15 CY Dumpster (1.5 Ton) "Construction Debris" .....394.98  
 Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.  
 For Each Ton Over Indicated Amount, Add 90.00

01 74 19 00-0014 EA 20 CY Dumpster (3 Ton) "Construction Debris" .....440.00  
 Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.  
 For Each Ton Over Indicated Amount, Add 90.00

01 74 19 00-0015 EA 30 CY Dumpster (4 Ton) "Construction Debris" .....514.97  
 Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.  
 For Each Ton Over Indicated Amount, Add 90.00

01 74 19 00-0016 EA 40 CY Dumpster (6 Ton) "Construction Debris" .....614.98  
 Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.  
 For Each Ton Over Indicated Amount, Add 90.00

01 74 19 00-0017 EA 10 CY Low-Boy Dumpster "Concrete Or Asphalt Only" .....614.98  
 Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.

01 74 19 00-0018 EA 15 CY Low-Boy Dumpster Clean Recyclable .....588.63  
 Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.

01 74 19 00-0019 EA 15 CY Low-Boy Dumpster Mixed Recyclable .....632.56  
 Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.

**01 74 19 00-0020 Concrete Washout Service** (01 74 19)

01 74 19 00-0021 MO Ramplless Concrete Washout Bin .....378.66  
 Note: Includes delivery.

01 74 19 00-0022 MO Ramped Concrete Washout Bin .....454.39  
 Note: Includes delivery.

01 74 19 00-0023 EA Interim Vacuum Service, Concrete Washout Bin .....428.76  
 Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.

01 74 19 00-0024 EA Vacuum, Pickup, Swap And Dump, Concrete Washout Bin .....928.98  
 Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.

**01 74 19 00-0025 Debris Processing Fee** (01 74 19)

**01 General Requirements**  
**01 70 Execution and Closeout Requirements**  
**01 74 Cleaning and Waste Management**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**01 74 19 00-0026 Material Recycling Fees** (01 74 19 00-0025)  
 Note: Not to be used with Dumpster Tasks which include the Landfill Dump Fee. Excludes hauling.

01 74 19 00-0027	CY	Drop-Off Asphalt At Recycling Center .....	42.47	
01 74 19 00-0028	CY	Drop-Off Non Reinforced Concrete At Recycling Center .....	56.90	
01 74 19 00-0029	CY	Drop-Off Reinforced Concrete At Recycling Center .....	85.34	
01 74 19 00-0030	CY	Drop-Off Brick Or Block At Recycling Center .....	73.97	
01 74 19 00-0031	CY	Drop-Off Dirt At Recycling Center .....	82.50	
01 74 19 00-0032	CY	Drop-Off Dimensional Lumber At Recycling Center .....	79.65	

**01 74 19 00-0033 Landfill Dump Fees** (01 74 19 00-0025)  
 Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling.

01 74 19 00-0034	CY	Traditional Building Construction Materials Landfill Dump Fee .....	37.86	
01 74 19 00-0035	TON	Traditional Building Construction Materials, Landfill Dump Fee .....	165.00	
01 74 19 00-0036	CY	Trees, Stumps And Brush, Landfill Dump Fee .....	45.57	
01 74 19 00-0037	CY	Hazardous Materials And Rubbish Landfill Dump Fee .....	108.68	
				Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.
01 74 19 00-0038	CY	Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee .....	77.22	

**01 74 19 00-0039 Hauling** (01 74 19)  
 Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.

01 74 19 00-0040	CYM	Hauling On Paved Roads, First 15 Miles .....	0.89	
01 74 19 00-0041	CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles .....	0.59	
01 74 19 00-0042	CYM	Hauling On Unimproved Roads, First 15 Miles .....	1.36	
01 74 19 00-0043	CYM	Hauling On Unimproved Roads, Miles Over Initial 15 Miles .....	1.07	

**01 74 23 Final Cleaning** (01 74)

**01 74 23 00-0001 Cleaning Of Glass** (01 74 23)

01 74 23 00-0002	CSF	Cleaning Of Existing Glass Surfaces .....	25.20	
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**END OF SECTION 01**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 Existing Conditions

02 20 Assessment (02)

02 25 Existing Material Assessment (02 20)

**02 25 16 Existing Concrete, Masonry or Asphalt Assessment (02 25)**

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

**02 25 16 13 Concrete Assessment Drilling (02 25 16)**

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

02 30 Subsurface Investigation (02)

02 32 Geotechnical Investigations (02 30)

**02 32 13 Subsurface Drilling and Sampling (02 32)**

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

**02 32 13 00-0001 Mobilization Of Drilling Crew (02 32 13)**

02 32 13 00-0002 EA Mobilization Of Drilling Crew .....1,033.66

**02 32 13 00-0003 Auger Borings (02 32 13)**

02 32 13 00-0004 LF Standard Auger Hole With Split Spoon Sample At 5' Intervals .....31.13

**02 32 13 00-0005 Cased Borings In Earth, With Samples (02 32 13)**

Note: All types of soils.

02 32 13 00-0006 LF 2-1/2" Diameter Cased Borings In Earth, With Samples .....73.71

02 32 13 00-0007 LF 4" Diameter Cased Borings In Earth, With Samples .....126.01

**02 32 13 00-0008 Drilling In Rock, BW Core (2.125") (02 32 13)**

02 32 13 00-0009 LF Drill In Rock, BW Core, With Casing .....78.80

Note: Includes sampling.

02 32 13 00-0010 EA Drill In Rock, With BW Core Boxes .....7.14

**02 32 13 00-0011 Drilling In Rock, NW Core (2.98") (02 32 13)**

02 32 13 00-0012 LF Drill In Rock, NW Core, With Casing .....101.67

Note: Includes sampling.

02 32 13 00-0013 EA Drill In Rock, With NW Core Boxes .....8.22

**02 32 13 00-0014 Test Pits For Boring Activities (02 32 13)**

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

**02 32 13 00-0015 Backhoe Dug Test Pits (02 32 13 00-0014)**

02 32 13 00-0016 CY Excavation For Test Pit, Light Material, Backhoe Excavation .....60.09

02 32 13 00-0017 CY Excavation For Test Pits, Medium Material, Backhoe Excavation .....70.12

02 32 13 00-0018 CY Excavation For Test Pit, Heavy Material, Backhoe Excavation .....93.48

**02 32 13 00-0019 Hand-Dug Test Pits (02 32 13 00-0014)**

02 32 13 00-0020 CY Excavation For Test Pit, Light Soil, Hand Excavation .....167.54

02 32 13 00-0021 CY Excavation For Test Pit, Heavy Soil, Hand Excavation .....301.58

**02 32 13 00-0022 Shelby Tube Sampling (02 32 13)**

02 32 13 00-0023 EA Shelby Tube Sampling .....37.45

02 32 13 00-0024 EA Penetration Test .....30.51

**02 32 13 00-0025 Grouting (02 32 13)**

02 32 13 00-0026 VLF Boreholes .....7.10

**02 32 19 Exploratory Excavations (02 32)**

**02 32 19 00-0001 Hydro Excavation (02 32 19)**

Note: Assumes on-site disposal.

02 32 19 00-0002 EA Hydro Excavation, Mobilization/Demobilization .....106.50

02 32 19 00-0003 EA Hydro Excavation, Minimum Charge .....426.00

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

02 32 19 00-0004 CY Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck) .....35.50

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

02 32 19 00-0005 CY Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck) .....56.80

Note: Adverse soil conditions consist of clay, glacial till and rocks.

02 40 Demolition and Structure Moving (02)

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

## 02 41 Demolition (02 40)

## 02 41 13 Selective Site Demolition (02 41)

## 02 41 13 13 Paving Removal (02 41 13)

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

## 02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete

## Paving (02 41 13 13)

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

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving .....	6.37
		For >500 To 1,000, Deduct	-0.64
		For >1,000 To 2,500, Deduct	-1.15
		For Of 2500 To 5000 SY, Deduct	-1.66
		For Of 5000 To 10000 SY, Deduct	-2.17
		For >10,000, Deduct	-2.68
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving .....	9.56
		For >500 To 1,000, Deduct	-0.96
		For >1,000 To 2,500, Deduct	-1.72
		For Of 2500 To 5000 SY, Deduct	-2.49
		For Of 5000 To 10000 SY, Deduct	-3.25
		For >10,000, Deduct	-4.02
02 41 13 13-0004	SY	>6" To 8" By Machine, Break-up And Leave In Place Bituminous Paving .....	12.74
		For >500 To 1,000, Deduct	-1.27
		For >1,000 To 2,500, Deduct	-2.29
		For Of 2500 To 5000 SY, Deduct	-3.31
		For Of 5000 To 10000 SY, Deduct	-4.33
		For >10,000, Deduct	-5.35
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving .....	12.70
		For >500 To 1,000, Deduct	-1.27
		For >1,000 To 2,500, Deduct	-2.29
		For Of 2500 To 5000 SY, Deduct	-3.30
		For Of 5000 To 10000 SY, Deduct	-4.32
		For >10,000, Deduct	-5.33
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving .....	17.94
		For >500 To 1,000, Deduct	-1.79
		For >1,000 To 2,500, Deduct	-3.23
		For Of 2500 To 5000 SY, Deduct	-4.66
		For Of 5000 To 10000 SY, Deduct	-6.10
		For >10,000, Deduct	-7.53
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving .....	25.41
		For >500 To 1,000, Deduct	-2.54
		For >1,000 To 2,500, Deduct	-4.57
		For Of 2500 To 5000 SY, Deduct	-6.61
		For Of 5000 To 10000 SY, Deduct	-8.64
		For >10,000, Deduct	-10.67
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving .....	35.86
		For >500 To 1,000, Deduct	-3.59
		For >1,000 To 2,500, Deduct	-6.45
		For Of 2500 To 5000 SY, Deduct	-9.32
		For Of 5000 To 10000 SY, Deduct	-12.19
		For >10,000, Deduct	-15.06
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving .....	46.90
		For >500 To 1,000, Deduct	-4.69
		For >1,000 To 2,500, Deduct	-8.44
		For Of 2500 To 5000 SY, Deduct	-12.19
		For Of 5000 To 10000 SY, Deduct	-15.95
		For >10,000, Deduct	-19.70
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving .....	60.97
		For >500 To 1,000, Deduct	-6.10
		For >1,000 To 2,500, Deduct	-10.97
		For Of 2500 To 5000 SY, Deduct	-15.85
		For Of 5000 To 10000 SY, Deduct	-20.73
		For >10,000, Deduct	-25.61

## 02 41 13 13-0011 By Hand, Break-up And Leave In Place Bituminous And Concrete Paving (02

41 13 13)

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

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving .....	1.53
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving .....	1.94
02 41 13 13-0014	SF	>6" To 8" By Hand, Break-up And Leave In Place Bituminous Paving .....	2.56
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving .....	1.92
02 41 13 13-0016	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving .....	2.43
02 41 13 13-0017	SF	>6" To 8" By Hand, Break-up And Leave In Place Concrete Paving .....	3.21

## 02 41 13 13-0018 By Machine, Break-up And Remove Bituminous And Concrete Paving (02 41 13

13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting. See CSI section 02 41 19 13-0001 for saw cutting.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0019 SY Up To 3" By Machine, Break-up And Remove Bituminous Paving.....	14.18	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.25	
Note: (Around Existing Structures And Obstructions), Add		
For Elevated Slab, Add	7.09	
For >500 To 1,000, Deduct	-1.42	
For >1,000 To 2,500, Deduct	-2.55	
For Of 2500 To 5000 SY, Deduct	-3.69	
For Of 5000 To 10000 SY, Deduct	-4.82	
For >10,000, Deduct	-5.96	
02 41 13 13-0020 SY >3" To 6" By Machine, Break-up And Remove Bituminous Paving.....	19.36	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	5.81	
Note: (Around Existing Structures And Obstructions), Add		
For Elevated Slab, Add	9.68	
For >500 To 1,000, Deduct	-1.94	
For >1,000 To 2,500, Deduct	-3.48	
For Of 2500 To 5000 SY, Deduct	-5.03	
For Of 5000 To 10000 SY, Deduct	-6.58	
For >10,000, Deduct	-8.13	
02 41 13 13-0021 SY >6" To 9" By Machine, Break-up And Remove Bituminous Paving.....	26.86	
For Elevated Slab, Add	13.43	
For >500 To 1,000, Deduct	-2.69	
For >1,000 To 2,500, Deduct	-4.83	
For Of 2500 To 5000 SY, Deduct	-6.98	
For Of 5000 To 10000 SY, Deduct	-9.13	
For >10,000, Deduct	-11.28	
02 41 13 13-0022 SY >9" To 12" By Machine, Break-up And Remove Bituminous Paving.....	35.04	
For Elevated Slab, Add	17.52	
For >500 To 1,000, Deduct	-3.50	
For >1,000 To 2,500, Deduct	-6.31	
For Of 2500 To 5000 SY, Deduct	-9.11	
For Of 5000 To 10000 SY, Deduct	-11.91	
For >10,000, Deduct	-14.72	
02 41 13 13-0023 SY >12" To 15" By Machine, Break-up And Remove Bituminous Paving.....	48.78	
For Elevated Slab, Add	24.39	
For >500 To 1,000, Deduct	-4.88	
For >1,000 To 2,500, Deduct	-8.78	
For Of 2500 To 5000 SY, Deduct	-12.68	
For Of 5000 To 10000 SY, Deduct	-16.59	
For >10,000, Deduct	-20.49	
02 41 13 13-0024 SY >15" To 18" By Machine, Break-up And Remove Bituminous Paving.....	67.07	
For Elevated Slab, Add	33.54	
For >500 To 1,000, Deduct	-6.71	
For >1,000 To 2,500, Deduct	-12.07	
For Of 2500 To 5000 SY, Deduct	-17.44	
For Of 5000 To 10000 SY, Deduct	-22.80	
For >10,000, Deduct	-28.17	
02 41 13 13-0025 SY Up To 3" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	16.31	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.89	
Note: (Around Existing Structures And Obstructions), Add		
For Elevated Slab, Add	8.16	
For >500 To 1,000, Deduct	-1.63	
For >1,000 To 2,500, Deduct	-2.94	
For Of 2500 To 5000 SY, Deduct	-4.24	
For Of 5000 To 10000 SY, Deduct	-5.55	
For >10,000, Deduct	-6.85	
02 41 13 13-0026 SY >3" To 6" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	21.34	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	6.40	
Note: (Around Existing Structures And Obstructions), Add		
For Elevated Slab, Add	10.67	
For >500 To 1,000, Deduct	-2.13	
For >1,000 To 2,500, Deduct	-3.84	
For Of 2500 To 5000 SY, Deduct	-5.55	
For Of 5000 To 10000 SY, Deduct	-7.26	
For >10,000, Deduct	-8.96	
02 41 13 13-0027 SY Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	21.65	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	6.50	
Note: (Around Existing Structures And Obstructions), Add		
For Elevated Slab, Add	10.83	
For >500 To 1,000, Deduct	-2.17	
For >1,000 To 2,500, Deduct	-3.90	
For Of 2500 To 5000 SY, Deduct	-5.63	
For Of 5000 To 10000 SY, Deduct	-7.36	
For >10,000, Deduct	-9.09	
02 41 13 13-0028 SY >3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	28.05	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	8.42	
Note: (Around Existing Structures And Obstructions), Add		
For Elevated Slab, Add	14.03	
For >500 To 1,000, Deduct	-2.81	
For >1,000 To 2,500, Deduct	-5.05	
For Of 2500 To 5000 SY, Deduct	-7.29	
For Of 5000 To 10000 SY, Deduct	-9.54	
For >10,000, Deduct	-11.78	
02 41 13 13-0029 SY >6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	46.49	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	13.95	
Note: (Around Existing Structures And Obstructions), Add		
For Elevated Slab, Add	23.25	
For >500 To 1,000, Deduct	-4.65	
For >1,000 To 2,500, Deduct	-8.37	
For Of 2500 To 5000 SY, Deduct	-12.09	
For Of 5000 To 10000 SY, Deduct	-15.81	
For >10,000, Deduct	-19.53	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0030	SY		Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	23.47	
			<i>For Elevated Slab, Add</i>	11.74	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.35	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-4.22	
			<i>For Of 2500 To 5000 SY, Deduct</i>	-6.10	
			<i>For Of 5000 To 10000 SY, Deduct</i>	-7.98	
			<i>For &gt;10,000, Deduct</i>	-9.86	
02 41 13 13-0031	SY		>3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	30.18	
			<i>For Elevated Slab, Add</i>	15.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.02	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-5.43	
			<i>For Of 2500 To 5000 SY, Deduct</i>	-7.85	
			<i>For Of 5000 To 10000 SY, Deduct</i>	-10.26	
			<i>For &gt;10,000, Deduct</i>	-12.68	
02 41 13 13-0032	SY		>6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	53.96	
			<i>For Elevated Slab, Add</i>	26.98	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.40	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-9.71	
			<i>For Of 2500 To 5000 SY, Deduct</i>	-14.03	
			<i>For Of 5000 To 10000 SY, Deduct</i>	-18.35	
			<i>For &gt;10,000, Deduct</i>	-22.66	
02 41 13 13-0033	SY		>9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	70.42	
			<i>For Elevated Slab, Add</i>	35.21	
			<i>For &gt;500 To 1,000, Deduct</i>	-7.04	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-12.68	
			<i>For Of 2500 To 5000 SY, Deduct</i>	-18.31	
			<i>For Of 5000 To 10000 SY, Deduct</i>	-23.94	
			<i>For &gt;10,000, Deduct</i>	-29.58	
02 41 13 13-0034	SY		>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	92.06	
			<i>For Elevated Slab, Add</i>	46.03	
			<i>For &gt;500 To 1,000, Deduct</i>	-9.21	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-16.57	
			<i>For Of 2500 To 5000 SY, Deduct</i>	-23.94	
			<i>For Of 5000 To 10000 SY, Deduct</i>	-31.30	
			<i>For &gt;10,000, Deduct</i>	-38.67	
02 41 13 13-0035	SY		>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	111.73	
			<i>For Elevated Slab, Add</i>	55.87	
			<i>For &gt;500 To 1,000, Deduct</i>	-11.17	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-20.11	
			<i>For Of 2500 To 5000 SY, Deduct</i>	-29.05	
			<i>For Of 5000 To 10000 SY, Deduct</i>	-37.99	
			<i>For &gt;10,000, Deduct</i>	-46.93	
02 41 13 13-0036			<b>By Hand, Break-up And Remove Bituminous And Concrete Paving</b> (02 41 13 13) Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 13 13-0037	SF		Up To 3" By Hand, Break-up And Remove Bituminous Paving.....	3.41	
02 41 13 13-0038	SF		>3" To 6" By Hand, Break-up And Remove Bituminous Paving.....	4.49	
02 41 13 13-0039	SF		>6" To 8" By Hand, Break-up And Remove Bituminous Paving.....	5.84	
02 41 13 13-0040	SF		Up To 3" By Hand, Break-up And Remove Concrete Paving.....	4.27	
02 41 13 13-0041	SF		>3" To 6" By Hand, Break-up And Remove Concrete Paving.....	5.89	
02 41 13 13-0042	SF		>6" To 8" By Hand, Break-up And Remove Concrete Paving.....	7.54	
02 41 13 13-0043	SF		Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	5.97	
02 41 13 13-0044	SF		>3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	8.24	
02 41 13 13-0045	SF		>6" To 8" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	10.56	
02 41 13 13-0046			<b>Grind Concrete</b> (02 41 13 13)		
02 41 13 13-0047	EA		Grind Existing Sidewalks Up To 1/2" Depth To Remove Ridges (Tripping Hazard).....	207.67	
			Note: For each location up to 5' wide, feather up to 12" each direction.		
			<i>For &gt;1/2" To 1" Depth Of Grinding, Add</i>	31.15	
			<i>For &gt;1" To 1-1/2" Depth Of Grinding, Add</i>	51.92	
			<i>For Up To 5, Add</i>	41.53	
			<i>For &gt;5 To 10, Add</i>	20.77	
			<i>For &gt;25 To 50, Deduct</i>	-20.77	
			<i>For &gt;50 To 250, Deduct</i>	-31.15	
			<i>For &gt;250, Deduct</i>	-41.53	
			<i>For Sidewalks &gt;5', Add</i>	20.77	
			<i>For Up To 12" Additional Feathering Per Side, Add</i>	20.77	
02 41 13 15			<b>Hydro Demolition</b> (02 41 13)		
02 41 13 15-0001			<b>Hydro Demolition Of Concrete Pavement</b> (02 41 13 15) Note: Includes removal but excludes disposal of concrete.		
02 41 13 15-0002	SF		Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	6.01	
02 41 13 15-0003	SF		>2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	7.52	
02 41 13 15-0004	SF		>4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	10.02	
02 41 13 15-0005	SF		>6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	20.04	
02 41 16			<b>Structure Demolition</b> (02 41)		
02 41 16 13			<b>Building Demolition</b> (02 41 16)		

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 16 13-0001	<b>Building Interior Demolition</b> <small>(02 41 16 13)</small> Note: Gutted and placed in truck or dumpsters. Based on overall floor area including space under demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminants or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.		
02 41 16 13-0002	GSF Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	6.80	
02 41 16 13-0003	GSF Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	10.29	
02 41 16 13-0004	GSF >2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	8.42	
02 41 16 13-0005	GSF >10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	7.48	

02 41 16 13-0006	<b>Commercial And Residential Structures Demolition</b> <small>(02 41 16 13)</small> Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site clean-up, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.		
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02 41 16 13-0007	<b>Steel Framed Building Demolition</b> <small>(02 41 16 13-0006)</small> Note: Includes masonry partitions and concrete decks.		
02 41 16 13-0008	CCF By Pneumatic Tools/Hand, Steel Framed Building Demolition.....	65.10	
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;12' To 15', Deduct</i>	-4.88	
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;15' To 18', Deduct</i>	-9.77	
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;18' To 21', Deduct</i>	-14.65	
	<i>For Up To 500, Add</i>	19.53	
	<i>For &gt;500 To 1,000, Add</i>	13.02	
	<i>For &gt;1,000 To 2,000, Add</i>	6.51	
	<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	21.48	
	<i>For No Interior Partitions, Deduct</i>	-16.28	
02 41 16 13-0009	CCF By Machine, Steel Framed Building Demolition .....	40.96	
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;12' To 15', Deduct</i>	-3.07	
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;15' To 18', Deduct</i>	-6.14	
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;18' To 21', Deduct</i>	-9.22	
	<i>For Up To 500, Add</i>	12.29	
	<i>For &gt;500 To 1,000, Add</i>	8.19	
	<i>For &gt;1,000 To 2,000, Add</i>	4.10	
	<i>For Work &gt;3 Stories To 6 Stories (Exclude Volume Below), Add</i>	6.14	
	<i>For Work &gt;6 Stories To 10 Stories (Exclude Volume Below), Add</i>	10.24	
	<i>For Work &gt;10 Stories To 15 Stories (Exclude Volume Below), Add</i>	14.34	
	<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	13.52	
	<i>For No Interior Partitions, Deduct</i>	-10.24	

02 41 16 13-0010	<b>Reinforced Concrete Building Demolition</b> <small>(02 41 16 13-0006)</small>		
02 41 16 13-0011	CCF By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition.....	81.69	
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;12' To 15', Deduct</i>	-6.13	
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;15' To 18', Deduct</i>	-12.25	
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;18' To 21', Deduct</i>	-18.38	
	<i>For Up To 500, Add</i>	24.51	
	<i>For &gt;500 To 1,000, Add</i>	16.34	
	<i>For &gt;1,000 To 2,000, Add</i>	8.17	
	<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	26.96	
	<i>For No Interior Partitions, Deduct</i>	-20.42	
02 41 16 13-0012	CCF By Machine, Reinforced Concrete Building Demolition.....	54.09	
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;12' To 15', Deduct</i>	-4.06	
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;15' To 18', Deduct</i>	-8.11	
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;18' To 21', Deduct</i>	-12.17	
	<i>For Up To 500, Add</i>	16.23	
	<i>For &gt;500 To 1,000, Add</i>	10.82	
	<i>For &gt;1,000 To 2,000, Add</i>	5.41	
	<i>For Work &gt;3 Stories To 6 Stories (Exclude Volume Below), Add</i>	8.11	
	<i>For Work &gt;6 Stories To 10 Stories (Exclude Volume Below), Add</i>	13.52	
	<i>For Work &gt;10 Stories To 15 Stories (Exclude Volume Below), Add</i>	18.93	
	<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	17.85	
	<i>For No Interior Partitions, Deduct</i>	-13.52	

02 41 16 13-0013	<b>Masonry Construction Building Demolition</b> <small>(02 41 16 13-0006)</small>		
02 41 16 13-0014	CCF By Pneumatic Tools/Hand, Masonry Construction Building Demolition .....	57.41	
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;12' To 15', Deduct</i>	-4.31	
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;15' To 18', Deduct</i>	-8.61	
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;18' To 21', Deduct</i>	-12.92	
	<i>For Up To 500, Add</i>	17.22	
	<i>For &gt;500 To 1,000, Add</i>	11.48	
	<i>For &gt;1,000 To 2,000, Add</i>	5.74	
	<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	18.95	
	<i>For No Interior Partitions, Deduct</i>	-14.35	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0015	CCF		By Machine, Masonry Construction Building Demolition .....		36.75
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;12' To 15', Deduct</i>	-2.74	
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;15' To 18', Deduct</i>	-5.51	
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;18' To 21', Deduct</i>	-8.27	
			<i>For Up To 500, Add</i>	11.03	
			<i>For &gt;500 To 1,000, Add</i>	7.35	
			<i>For &gt;1,000 To 2,000, Add</i>	3.68	
			<i>For Work &gt;3 Stories To 6 Stories (Exclude Volume Below), Add</i>	5.51	
			<i>For Work &gt;6 Stories To 10 Stories (Exclude Volume Below), Add</i>	9.19	
			<i>For Work &gt;10 Stories To 15 Stories (Exclude Volume Below), Add</i>	12.86	
			<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	12.13	
			<i>For No Interior Partitions, Deduct</i>	-9.19	
02 41 16 13-0016			<b>Wood Frame Construction Building Demolition</b> (02 41 16 13-0006) .....		49.89
02 41 16 13-0017	CCF		By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition .....		49.89
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;12' To 15', Deduct</i>	-3.74	
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;15' To 18', Deduct</i>	-7.48	
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;18' To 21', Deduct</i>	-11.23	
			<i>For Up To 500, Add</i>	14.97	
			<i>For &gt;500 To 1,000, Add</i>	9.98	
			<i>For &gt;1,000 To 2,000, Add</i>	4.99	
			<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	16.46	
			<i>For No Interior Partitions, Deduct</i>	-12.47	
02 41 16 13-0018	CCF		By Machine, Wood Frame Construction Building Demolition .....		31.45
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;12' To 15', Deduct</i>	-2.36	
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;15' To 18', Deduct</i>	-4.72	
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;18' To 21', Deduct</i>	-7.08	
			<i>For Up To 500, Add</i>	9.44	
			<i>For &gt;500 To 1,000, Add</i>	6.29	
			<i>For &gt;1,000 To 2,000, Add</i>	3.15	
			<i>For Work &gt;3 Stories To 6 Stories (Exclude Volume Below), Add</i>	4.72	
			<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	10.38	
			<i>For No Interior Partitions, Deduct</i>	-7.86	
02 41 16 13-0019			<b>Sorting Of Material Debris For Recycling Prior To Hauling Off</b> (02 41 16 13-0006) .....		
			Note: Per building volume.		
02 41 16 13-0020	CCF		Sorting Of Material Debris For Recycling Prior To Hauling Off .....		8.28
			<i>For Up To 500, Add</i>	2.48	
			<i>For &gt;500 To 1,000, Add</i>	1.66	
			<i>For &gt;1,000 To 2,000, Add</i>	0.83	
02 41 16 13-0021			<b>Foundation Demolition</b> (02 41 16 13) .....		
			Note: Excludes earthwork.		
02 41 16 13-0022			<b>Concrete Foundation Demolition</b> (02 41 16 13-0021) .....		
02 41 16 13-0023	CF		Non Reinforced Concrete Foundation Demolition .....		12.99
			<i>For &gt;135 To 405, Deduct</i>	-1.14	
			<i>For &gt;405 To 810, Deduct</i>	-2.27	
			<i>For &gt;810 To 2025, Deduct</i>	-3.25	
			<i>For &gt;2025, Deduct</i>	-5.20	
02 41 16 13-0024	CF		Reinforced Concrete Foundation Demolition .....		15.58
			<i>For &gt;135 To 405, Deduct</i>	-1.36	
			<i>For &gt;405 To 810, Deduct</i>	-2.73	
			<i>For &gt;810 To 2025, Deduct</i>	-3.90	
			<i>For &gt;2025, Deduct</i>	-6.23	
02 41 16 13-0025			<b>Concrete Foundation Wall Demolition</b> (02 41 16 13-0021) .....		
02 41 16 13-0026	SF		4" Thick Non Reinforced Concrete Foundation Wall Demolition .....		5.57
			<i>For &gt;500 To 2,000, Deduct</i>	-0.42	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.11	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-1.95	
			<i>For &gt;8,000, Deduct</i>	-3.06	
02 41 16 13-0027	SF		6" Thick Non Reinforced Concrete Foundation Wall Demolition .....		7.42
			<i>For &gt;500 To 2,000, Deduct</i>	-0.56	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.48	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-2.60	
			<i>For &gt;8,000, Deduct</i>	-4.08	
02 41 16 13-0028	SF		8" Thick Non Reinforced Concrete Foundation Wall Demolition .....		9.28
			<i>For &gt;500 To 2,000, Deduct</i>	-0.70	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.86	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-3.25	
			<i>For &gt;8,000, Deduct</i>	-5.10	
02 41 16 13-0029	SF		10" Thick Non Reinforced Concrete Foundation Wall Demolition .....		11.13
			<i>For &gt;500 To 2,000, Deduct</i>	-0.83	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-2.23	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-3.90	
			<i>For &gt;8,000, Deduct</i>	-6.12	
02 41 16 13-0030	SF		12" Thick Non Reinforced Concrete Foundation Wall Demolition .....		12.99
			<i>For &gt;500 To 2,000, Deduct</i>	-0.97	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-2.60	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-4.55	
			<i>For &gt;8,000, Deduct</i>	-7.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0031 SF 16" Thick Non Reinforced Concrete Foundation Wall Demolition .....	14.84	
<i>For &gt;500 To 2,000, Deduct</i>	-1.11	
<i>For &gt;2,000 To 6,000, Deduct</i>	-2.97	
<i>For &gt;6,000 To 8,000, Deduct</i>	-5.19	
<i>For &gt;8,000, Deduct</i>	-8.16	
02 41 16 13-0032 SF 4" Thick Reinforced Concrete Foundation Wall Demolition .....	6.68	
<i>For &gt;500 To 2,000, Deduct</i>	-0.50	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.34	
<i>For &gt;6,000 To 8,000, Deduct</i>	-2.34	
<i>For &gt;8,000, Deduct</i>	-3.67	
02 41 16 13-0033 SF 6" Thick Reinforced Concrete Foundation Wall Demolition .....	8.91	
<i>For &gt;500 To 2,000, Deduct</i>	-0.67	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.78	
<i>For &gt;6,000 To 8,000, Deduct</i>	-3.12	
<i>For &gt;8,000, Deduct</i>	-4.90	
02 41 16 13-0034 SF 8" Thick Reinforced Concrete Foundation Wall Demolition .....	11.13	
<i>For &gt;500 To 2,000, Deduct</i>	-0.83	
<i>For &gt;2,000 To 6,000, Deduct</i>	-2.23	
<i>For &gt;6,000 To 8,000, Deduct</i>	-3.90	
<i>For &gt;8,000, Deduct</i>	-6.12	
02 41 16 13-0035 SF 10" Thick Reinforced Concrete Foundation Wall Demolition .....	13.18	
<i>For &gt;500 To 2,000, Deduct</i>	-0.99	
<i>For &gt;2,000 To 6,000, Deduct</i>	-2.64	
<i>For &gt;6,000 To 8,000, Deduct</i>	-4.61	
<i>For &gt;8,000, Deduct</i>	-7.25	
02 41 16 13-0036 SF 12" Thick Reinforced Concrete Foundation Wall Demolition .....	15.58	
<i>For &gt;500 To 2,000, Deduct</i>	-1.17	
<i>For &gt;2,000 To 6,000, Deduct</i>	-3.12	
<i>For &gt;6,000 To 8,000, Deduct</i>	-5.45	
<i>For &gt;8,000, Deduct</i>	-8.57	
02 41 16 13-0037 SF 16" Thick Reinforced Concrete Foundation Wall Demolition .....	17.82	
<i>For &gt;500 To 2,000, Deduct</i>	-1.34	
<i>For &gt;2,000 To 6,000, Deduct</i>	-3.56	
<i>For &gt;6,000 To 8,000, Deduct</i>	-6.24	
<i>For &gt;8,000, Deduct</i>	-9.80	
<b>02 41 16 13-0038 Concrete Block Foundation Wall Demolition (02 41 16 13-0021)</b>		
02 41 16 13-0039 SF 4" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	4.08	
<i>For &gt;500 To 2,000, Deduct</i>	-0.31	
<i>For &gt;2,000 To 6,000, Deduct</i>	-0.82	
<i>For &gt;6,000 To 8,000, Deduct</i>	-1.43	
<i>For &gt;8,000, Deduct</i>	-2.24	
02 41 16 13-0040 SF 6" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	4.36	
<i>For &gt;500 To 2,000, Deduct</i>	-0.33	
<i>For &gt;2,000 To 6,000, Deduct</i>	-0.87	
<i>For &gt;6,000 To 8,000, Deduct</i>	-1.53	
<i>For &gt;8,000, Deduct</i>	-2.40	
02 41 16 13-0041 SF 8" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	4.91	
<i>For &gt;500 To 2,000, Deduct</i>	-0.37	
<i>For &gt;2,000 To 6,000, Deduct</i>	-0.98	
<i>For &gt;6,000 To 8,000, Deduct</i>	-1.72	
<i>For &gt;8,000, Deduct</i>	-2.70	
02 41 16 13-0042 SF 10" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	5.66	
<i>For &gt;500 To 2,000, Deduct</i>	-0.42	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.13	
<i>For &gt;6,000 To 8,000, Deduct</i>	-1.98	
<i>For &gt;8,000, Deduct</i>	-3.11	
02 41 16 13-0043 SF 12" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	6.31	
<i>For &gt;500 To 2,000, Deduct</i>	-0.47	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.26	
<i>For &gt;6,000 To 8,000, Deduct</i>	-2.21	
<i>For &gt;8,000, Deduct</i>	-3.47	
02 41 16 13-0044 SF 16" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	7.88	
<i>For &gt;500 To 2,000, Deduct</i>	-0.59	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.58	
<i>For &gt;6,000 To 8,000, Deduct</i>	-2.76	
<i>For &gt;8,000, Deduct</i>	-4.33	
02 41 16 13-0045 SF 4" Thick Reinforced Concrete Block Foundation Wall Demolition .....	4.90	
<i>For &gt;500 To 2,000, Deduct</i>	-0.37	
<i>For &gt;2,000 To 6,000, Deduct</i>	-0.98	
<i>For &gt;6,000 To 8,000, Deduct</i>	-1.72	
<i>For &gt;8,000, Deduct</i>	-2.70	
02 41 16 13-0046 SF 6" Thick Reinforced Concrete Block Foundation Wall Demolition .....	5.23	
<i>For &gt;500 To 2,000, Deduct</i>	-0.39	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.05	
<i>For &gt;6,000 To 8,000, Deduct</i>	-1.83	
<i>For &gt;8,000, Deduct</i>	-2.88	
02 41 16 13-0047 SF 8" Thick Reinforced Concrete Block Foundation Wall Demolition .....	5.90	
<i>For &gt;500 To 2,000, Deduct</i>	-0.44	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.18	
<i>For &gt;6,000 To 8,000, Deduct</i>	-2.07	
<i>For &gt;8,000, Deduct</i>	-3.25	
02 41 16 13-0048 SF 10" Thick Reinforced Concrete Block Foundation Wall Demolition .....	6.79	
<i>For &gt;500 To 2,000, Deduct</i>	-0.51	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.36	
<i>For &gt;6,000 To 8,000, Deduct</i>	-2.38	
<i>For &gt;8,000, Deduct</i>	-3.73	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0049	SF		12" Thick Reinforced Concrete Block Foundation Wall Demolition.....	7.57	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.57	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.51	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-2.65	
			<i>For &gt;8,000, Deduct</i>	-4.16	
02 41 16 13-0050	SF		16" Thick Reinforced Concrete Block Foundation Wall Demolition.....	9.47	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.71	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.89	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-3.31	
			<i>For &gt;8,000, Deduct</i>	-5.21	
<b>02 41 16 13-0051</b>			<b>Brick Foundation Wall Demolition (02 41 16 13-0021)</b>		
02 41 16 13-0052	SF		4" Thick Brick Foundation Wall Demolition.....	4.08	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.31	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-0.82	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-1.43	
			<i>For &gt;8,000, Deduct</i>	-2.24	
02 41 16 13-0053	SF		6" Thick Brick Foundation Wall Demolition.....	4.36	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.33	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-0.87	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-1.53	
			<i>For &gt;8,000, Deduct</i>	-2.40	
02 41 16 13-0054	SF		8" Thick Brick Foundation Wall Demolition.....	4.91	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.37	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-0.98	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-1.72	
			<i>For &gt;8,000, Deduct</i>	-2.70	
02 41 16 13-0055	SF		10" Thick Brick Foundation Wall Demolition.....	5.66	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.42	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.13	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-1.98	
			<i>For &gt;8,000, Deduct</i>	-3.11	
02 41 16 13-0056	SF		12" Thick Brick Foundation Wall Demolition.....	6.31	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.47	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.26	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-2.21	
			<i>For &gt;8,000, Deduct</i>	-3.47	
02 41 16 13-0057	SF		16" Thick Brick Foundation Wall Demolition.....	7.88	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.59	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.58	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-2.76	
			<i>For &gt;8,000, Deduct</i>	-4.33	
<b>02 41 16 13-0058</b>			<b>Stone Foundation Demolition (02 41 16 13-0021)</b>		
02 41 16 13-0059	CF		Stone Footing Or Foundation Wall Demolition .....	12.99	
			<i>For &gt;135 To 405, Deduct</i>	-1.14	
			<i>For &gt;405 To 810, Deduct</i>	-2.27	
			<i>For &gt;810 To 2025, Deduct</i>	-3.25	
			<i>For &gt;2025, Deduct</i>	-5.20	
<b>02 41 16 13-0060</b>			<b>Other Foundation Demolition (02 41 16 13-0021)</b>		
02 41 16 13-0061	CF		Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition .....	13.65	
			Note: Includes excavation.		
			<i>For &gt;135 To 405, Deduct</i>	-1.19	
			<i>For &gt;405 To 810, Deduct</i>	-2.39	
			<i>For &gt;810 To 2025, Deduct</i>	-3.41	
			<i>For &gt;2025, Deduct</i>	-5.46	
<b>02 41 19</b>			<b>Selective Demolition (02 41)</b>		
<b>02 41 19 13</b>			<b>Selective Building Demolition (02 41 19)</b>		
<b>02 41 19 13-0001</b>			<b>Saw Cutting (02 41 19 13)</b>		
			Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0002	LF		Bituminous Paving Up To 4" Depth, Saw Cut .....	2.12	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	0.80	
			<i>For &gt;250, Deduct</i>	-0.20	
02 41 19 13-0003	LF		Brick Masonry Up To 4" Depth, Saw Cut .....	7.67	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	3.02	
			<i>For &gt;250, Deduct</i>	-0.75	
02 41 19 13-0004	LF		Concrete Block Up To 4" Depth, Saw Cut.....	6.95	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	2.73	
			<i>For &gt;250, Deduct</i>	-0.68	
02 41 19 13-0005	LF		Non Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut.....	2.46	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	0.92	
			<i>For &gt;250, Deduct</i>	-0.23	
02 41 19 13-0006	LF		Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut.....	3.21	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	1.21	
			<i>For &gt;250, Deduct</i>	-0.30	
02 41 19 13-0007	LF		Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut.....	5.21	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	2.01	
			<i>For &gt;250, Deduct</i>	-0.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 19 13-0008	LF	Plain Concrete Walls Up To 4" Depth, Saw Cut.....		9.78	
		<i>For Each Additional Pass (Depth To 3"), Add</i>		3.85	
		<i>For &gt;250, Deduct</i>		-0.96	
02 41 19 13-0009	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth.....		13.13	
		<i>For Each Additional Pass (Depth To 3"), Add</i>		5.18	
		<i>For &gt;250, Deduct</i>		-1.29	
02 41 19 13-0010	LF	Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets.....		2.50	
		<i>For Each Additional Pass (Depth To 3"), Add</i>		0.92	
		<i>For &gt;250, Deduct</i>		-0.22	
02 41 19 13-0011	LF	Igneous Stone Pavements Up To 4" Depth, Saw Cut.....		6.99	
		<i>For Each Additional Pass (Depth To 3"), Add</i>		2.74	
		<i>For &gt;250, Deduct</i>		-0.68	
02 41 19 13-0012	LF	Sedimentary Stone Pavements Up To 4" Depth, Saw Cut.....		6.99	
		<i>For Each Additional Pass (Depth To 3"), Add</i>		2.74	
		<i>For &gt;250, Deduct</i>		-0.68	
02 41 19 13-0013	LF	Metamorphic Stone Pavements Up To 4" Depth, Saw Cut.....		6.99	
		<i>For Each Additional Pass (Depth To 3"), Add</i>		2.74	
		<i>For &gt;250, Deduct</i>		-0.68	
02 41 19 13-0014	LF	Terrazzo Stone Pavements Up To 4" Depth, Saw Cut.....		6.99	
		<i>For Each Additional Pass (Depth To 3"), Add</i>		2.74	
		<i>For &gt;250, Deduct</i>		-0.68	
02 41 19 13-0015	EA	Saw Cut Minimum Charge .....		886.44	
		Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.			

**02 41 19 13-0016 Torch Cutting** (02 41 19 13)  
 Note: Includes grinding edge

02 41 19 13-0017	LF	Up To 1/2", Torch Cut Steel Plate.....		2.61	
02 41 19 13-0018	LF	>1/2" To 1" Thick, Torch Cut Steel Plate.....		5.22	
02 41 19 13-0019	LF	>1" To 1-1/2" Thick, Torch Cut Steel Plate.....		7.82	
02 41 19 13-0020	LF	>1-1/2" To 2" Thick, Torch Cut Steel Plate.....		10.43	
02 41 19 13-0021	LF	>2" To 2-1/2" Thick, Torch Cut Steel Plate.....		13.04	
02 41 19 13-0022	LF	>2-1/2" To 3" Thick, Torch Cut Steel Plate.....		15.64	
02 41 19 13-0023	EA	Torch Cutting Minimum Charge .....		813.53	
		Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.			

**02 41 19 13-0024 Drilling In Existing Materials** (02 41 19 13)  
 Note: Includes drill bit wear, water, layout, set-up and clean-up.

**02 41 19 13-0025 Concrete Core Drilling** (02 41 19 13-0024)

**02 41 19 13-0026 Up To 4" Thick Concrete Core Drilling** (02 41 19 13-0025)

02 41 19 13-0027	EA	Drill 1" Diameter Core In Up To 4" Concrete.....		39.35	
		<i>For Horizontal Cores, Add</i>		7.27	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		14.54	
02 41 19 13-0028	EA	Drill 1-1/2" Diameter Core In Up To 4" Concrete.....		43.37	
		<i>For Horizontal Cores, Add</i>		8.07	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		16.15	
02 41 19 13-0029	EA	Drill 2" Diameter Core In Up To 4" Concrete.....		47.87	
		<i>For Horizontal Cores, Add</i>		8.97	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		17.95	
02 41 19 13-0030	EA	Drill 3" Diameter Core In Up To 4" Concrete.....		68.12	
		<i>For Horizontal Cores, Add</i>		12.82	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		25.64	
02 41 19 13-0031	EA	Drill 4" Diameter Core In Up To 4" Concrete.....		91.30	
		<i>For Horizontal Cores, Add</i>		17.18	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		34.35	
02 41 19 13-0032	EA	Drill 6" Diameter Core In Up To 4" Concrete.....		102.96	
		<i>For Horizontal Cores, Add</i>		19.23	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		38.46	
02 41 19 13-0033	EA	Drill 8" Diameter Core In Up To 4" Concrete.....		163.19	
		<i>For Horizontal Cores, Add</i>		30.77	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		61.54	
02 41 19 13-0034	EA	Drill 10" Diameter Core In Up To 4" Concrete.....		205.04	
		<i>For Horizontal Cores, Add</i>		38.46	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		76.91	
02 41 19 13-0035	EA	Drill 12" Diameter Core In Up To 4" Concrete.....		239.64	
		<i>For Horizontal Cores, Add</i>		44.87	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		89.74	
02 41 19 13-0036	EA	Drill 14" Diameter Core In Up To 4" Concrete.....		274.56	
		<i>For Horizontal Cores, Add</i>		51.27	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		102.54	
02 41 19 13-0037	EA	Drill 18" Diameter Core In Up To 4" Concrete.....		311.78	
		<i>For Horizontal Cores, Add</i>		57.68	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		115.36	

**02 41 19 13-0038 >4" To 6" Thick Concrete Core Drilling** (02 41 19 13-0025)

02 41 19 13-0039	EA	Drill 1" Diameter Core In >4" To 6" Concrete.....		56.49	
		<i>For Horizontal Cores, Add</i>		10.38	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		20.76	
02 41 19 13-0040	EA	Drill 1-1/2" Diameter Core In >4" To 6" Concrete.....		62.26	
		<i>For Horizontal Cores, Add</i>		11.53	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		23.07	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
02 41 19 13-0041	EA		Drill 2" Diameter Core In >4" To 6" Concrete .....	68.67	
			<i>For Horizontal Cores, Add</i>	12.82	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	25.63	
02 41 19 13-0042	EA		Drill 3" Diameter Core In >4" To 6" Concrete .....	83.20	
			<i>For Horizontal Cores, Add</i>	15.38	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.76	
02 41 19 13-0043	EA		Drill 4" Diameter Core In >4" To 6" Concrete .....	104.47	
			<i>For Horizontal Cores, Add</i>	19.23	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.46	
02 41 19 13-0044	EA		Drill 6" Diameter Core In >4" To 6" Concrete .....	138.55	
			<i>For Horizontal Cores, Add</i>	25.64	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	51.28	
02 41 19 13-0045	EA		Drill 8" Diameter Core In >4" To 6" Concrete .....	206.44	
			<i>For Horizontal Cores, Add</i>	38.46	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	76.91	
02 41 19 13-0046	EA		Drill 10" Diameter Core In >4" To 6" Concrete .....	243.43	
			<i>For Horizontal Cores, Add</i>	44.87	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	89.74	
02 41 19 13-0047	EA		Drill 12" Diameter Core In >4" To 6" Concrete .....	279.24	
			<i>For Horizontal Cores, Add</i>	51.27	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	102.54	
02 41 19 13-0048	EA		Drill 14" Diameter Core In >4" To 6" Concrete .....	316.20	
			<i>For Horizontal Cores, Add</i>	57.68	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	115.36	
02 41 19 13-0049	EA		Drill 18" Diameter Core In >4" To 6" Concrete .....	356.48	
			<i>For Horizontal Cores, Add</i>	64.09	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	128.18	
<b>02 41 19 13-0050</b>			<b>&gt;6" To 8" Thick Concrete Core Drilling (02 41 19 13-0025)</b>		
02 41 19 13-0051	EA		Drill 1" Diameter Core In >6" To 8" Concrete .....	63.34	
			<i>For Horizontal Cores, Add</i>	11.42	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.84	
02 41 19 13-0052	EA		Drill 1-1/2" Diameter Core In >6" To 8" Concrete .....	69.68	
			<i>For Horizontal Cores, Add</i>	12.69	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	25.38	
02 41 19 13-0053	EA		Drill 2" Diameter Core In >6" To 8" Concrete .....	76.73	
			<i>For Horizontal Cores, Add</i>	14.10	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	28.20	
02 41 19 13-0054	EA		Drill 3" Diameter Core In >6" To 8" Concrete .....	91.90	
			<i>For Horizontal Cores, Add</i>	16.67	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	33.33	
02 41 19 13-0055	EA		Drill 4" Diameter Core In >6" To 8" Concrete .....	120.20	
			<i>For Horizontal Cores, Add</i>	21.79	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	43.58	
02 41 19 13-0056	EA		Drill 6" Diameter Core In >6" To 8" Concrete .....	167.74	
			<i>For Horizontal Cores, Add</i>	30.77	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	61.54	
02 41 19 13-0057	EA		Drill 8" Diameter Core In >6" To 8" Concrete .....	275.32	
			<i>For Horizontal Cores, Add</i>	51.27	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	102.54	
02 41 19 13-0058	EA		Drill 10" Diameter Core In >6" To 8" Concrete .....	313.80	
			<i>For Horizontal Cores, Add</i>	57.68	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	115.36	
02 41 19 13-0059	EA		Drill 12" Diameter Core In >6" To 8" Concrete .....	350.92	
			<i>For Horizontal Cores, Add</i>	64.09	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	128.18	
02 41 19 13-0060	EA		Drill 14" Diameter Core In >6" To 8" Concrete .....	389.85	
			<i>For Horizontal Cores, Add</i>	70.49	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	140.98	
02 41 19 13-0061	EA		Drill 18" Diameter Core In >6" To 8" Concrete .....	433.23	
			<i>For Horizontal Cores, Add</i>	76.91	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	153.83	
<b>02 41 19 13-0062</b>			<b>&gt;8" To 10" Thick Concrete Core Drilling (02 41 19 13-0025)</b>		
02 41 19 13-0063	EA		Drill 1" Diameter Core In >8" To 10" Concrete .....	75.36	
			<i>For Horizontal Cores, Add</i>	13.50	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.00	
02 41 19 13-0064	EA		Drill 1-1/2" Diameter Core In >8" To 10" Concrete .....	82.86	
			<i>For Horizontal Cores, Add</i>	15.00	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.00	
02 41 19 13-0065	EA		Drill 2" Diameter Core In >8" To 10" Concrete .....	91.19	
			<i>For Horizontal Cores, Add</i>	16.66	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	33.33	
02 41 19 13-0066	EA		Drill 3" Diameter Core In >8" To 10" Concrete .....	106.98	
			<i>For Horizontal Cores, Add</i>	19.23	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.46	
02 41 19 13-0067	EA		Drill 4" Diameter Core In >8" To 10" Concrete .....	123.10	
			<i>For Horizontal Cores, Add</i>	21.79	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	43.58	
02 41 19 13-0068	EA		Drill 6" Diameter Core In >8" To 10" Concrete .....	171.28	
			<i>For Horizontal Cores, Add</i>	30.77	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	61.54	
02 41 19 13-0069	EA		Drill 8" Diameter Core In >8" To 10" Concrete .....	280.12	
			<i>For Horizontal Cores, Add</i>	51.27	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	102.54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0070 EA Drill 10" Diameter Core In >8" To 10" Concrete .....	320.12	
For Horizontal Cores, Add	57.68	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	115.36	
02 41 19 13-0071 EA Drill 12" Diameter Core In >8" To 10" Concrete .....	358.44	
For Horizontal Cores, Add	64.08	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	128.16	
02 41 19 13-0072 EA Drill 14" Diameter Core In >8" To 10" Concrete .....	399.46	
For Horizontal Cores, Add	70.49	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	140.98	
02 41 19 13-0073 EA Drill 18" Diameter Core In >8" To 10" Concrete .....	445.79	
For Horizontal Cores, Add	76.90	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	153.80	
<b>02 41 19 13-0074 &gt;10" To 12" Thick Concrete Core Drilling (02 41 19 13-0025)</b>		
02 41 19 13-0075 EA Drill 1" Diameter Core In >10" To 12" Concrete .....	82.20	
For Horizontal Cores, Add	14.54	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	29.07	
02 41 19 13-0076 EA Drill 1-1/2" Diameter Core In >10" To 12" Concrete .....	90.28	
For Horizontal Cores, Add	16.15	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.30	
02 41 19 13-0077 EA Drill 2" Diameter Core In >10" To 12" Concrete .....	99.26	
For Horizontal Cores, Add	17.95	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	35.90	
02 41 19 13-0078 EA Drill 3" Diameter Core In >10" To 12" Concrete .....	109.26	
For Horizontal Cores, Add	19.23	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.46	
02 41 19 13-0079 EA Drill 4" Diameter Core In >10" To 12" Concrete .....	145.24	
For Horizontal Cores, Add	25.64	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	51.28	
02 41 19 13-0080 EA Drill 6" Diameter Core In >10" To 12" Concrete .....	187.64	
For Horizontal Cores, Add	33.33	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	66.66	
02 41 19 13-0081 EA Drill 8" Diameter Core In >10" To 12" Concrete .....	297.75	
For Horizontal Cores, Add	53.84	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	107.68	
02 41 19 13-0082 EA Drill 10" Diameter Core In >10" To 12" Concrete .....	326.44	
For Horizontal Cores, Add	57.68	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	115.36	
02 41 19 13-0083 EA Drill 12" Diameter Core In >10" To 12" Concrete .....	378.93	
For Horizontal Cores, Add	66.66	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	133.32	
<b>02 41 19 13-0084 &gt;12" Thick Concrete Core Drilling (02 41 19 13-0025)</b>		
02 41 19 13-0085 IN Drill 1" Diameter Core In >12" Concrete .....	9.67	
For Horizontal Cores, Add	1.78	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.55	
02 41 19 13-0086 IN Drill 1-1/2" Diameter Core In >12" Concrete .....	10.66	
For Horizontal Cores, Add	1.97	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.95	
02 41 19 13-0087 IN Drill 2" Diameter Core In >12" Concrete .....	11.76	
For Horizontal Cores, Add	2.19	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.39	
02 41 19 13-0088 IN Drill 3" Diameter Core In >12" Concrete .....	13.10	
For Horizontal Cores, Add	2.40	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.80	
02 41 19 13-0089 IN Drill 4" Diameter Core In >12" Concrete .....	17.44	
For Horizontal Cores, Add	3.20	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	6.41	
02 41 19 13-0090 IN Drill 6" Diameter Core In >12" Concrete .....	22.59	
For Horizontal Cores, Add	4.17	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	8.34	
02 41 19 13-0091 IN Drill 8" Diameter Core In >12" Concrete .....	36.06	
For Horizontal Cores, Add	6.74	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.47	
02 41 19 13-0092 IN Drill 10" Diameter Core In >12" Concrete .....	39.37	
For Horizontal Cores, Add	7.24	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.48	
02 41 19 13-0093 IN Drill 12" Diameter Core In >12" Concrete .....	45.49	
For Horizontal Cores, Add	8.34	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.68	
<b>02 41 19 13-0094 Brick/Concrete Block Core Drilling (02 41 19 13-0024)</b>		
<b>02 41 19 13-0095 Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>		
02 41 19 13-0096 EA Drill 1" Diameter Core In Up To 4" Brick/Concrete Block .....	32.08	
For Horizontal Cores, Add	5.82	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.63	
02 41 19 13-0097 EA Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block .....	35.30	
For Horizontal Cores, Add	6.46	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.92	
02 41 19 13-0098 EA Drill 2" Diameter Core In Up To 4" Brick/Concrete Block .....	38.89	
For Horizontal Cores, Add	7.18	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.36	
02 41 19 13-0099 EA Drill 3" Diameter Core In Up To 4" Brick/Concrete Block .....	55.29	
For Horizontal Cores, Add	10.25	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.51	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0100	EA		Drill 4" Diameter Core In Up To 4" Brick/Concrete Block .....	74.13	
			<i>For Horizontal Cores, Add</i>	13.74	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.48	
02 41 19 13-0101	EA		Drill 6" Diameter Core In Up To 4" Brick/Concrete Block .....	83.73	
			<i>For Horizontal Cores, Add</i>	15.38	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.76	
02 41 19 13-0102	EA		Drill 8" Diameter Core In Up To 4" Brick/Concrete Block .....	132.42	
			<i>For Horizontal Cores, Add</i>	24.61	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	49.23	
02 41 19 13-0103	EA		Drill 10" Diameter Core In Up To 4" Brick/Concrete Block .....	166.59	
			<i>For Horizontal Cores, Add</i>	30.77	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	61.53	
02 41 19 13-0104	EA		Drill 12" Diameter Core In Up To 4" Brick/Concrete Block .....	194.77	
			<i>For Horizontal Cores, Add</i>	35.90	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	71.79	
02 41 19 13-0105	EA		Drill 14" Diameter Core In Up To 4" Brick/Concrete Block .....	223.28	
			<i>For Horizontal Cores, Add</i>	41.02	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	82.03	
02 41 19 13-0106	EA		Drill 18" Diameter Core In Up To 4" Brick/Concrete Block .....	254.09	
			<i>For Horizontal Cores, Add</i>	46.14	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	92.28	
<b>02 41 19 13-0107</b>			<b>&gt;4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>		
02 41 19 13-0108	EA		Drill 1" Diameter Core In > 4" To 6" Brick/Concrete Block .....	46.11	
			<i>For Horizontal Cores, Add</i>	8.30	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.61	
02 41 19 13-0109	EA		Drill 1-1/2" Diameter Core In > 4" To 6" Brick/Concrete Block .....	50.73	
			<i>For Horizontal Cores, Add</i>	9.23	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	18.46	
02 41 19 13-0110	EA		Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block .....	55.86	
			<i>For Horizontal Cores, Add</i>	10.25	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.51	
02 41 19 13-0111	EA		Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block .....	67.82	
			<i>For Horizontal Cores, Add</i>	12.31	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.61	
02 41 19 13-0112	EA		Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block .....	85.24	
			<i>For Horizontal Cores, Add</i>	15.38	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.76	
02 41 19 13-0113	EA		Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block .....	112.91	
			<i>For Horizontal Cores, Add</i>	20.51	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	41.02	
02 41 19 13-0114	EA		Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block .....	167.99	
			<i>For Horizontal Cores, Add</i>	30.77	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	61.53	
02 41 19 13-0115	EA		Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block .....	198.56	
			<i>For Horizontal Cores, Add</i>	35.90	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	71.79	
02 41 19 13-0116	EA		Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block .....	227.96	
			<i>For Horizontal Cores, Add</i>	41.02	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	82.03	
02 41 19 13-0117	EA		Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block .....	258.51	
			<i>For Horizontal Cores, Add</i>	46.14	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	92.28	
02 41 19 13-0118	EA		Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block .....	292.39	
			<i>For Horizontal Cores, Add</i>	51.27	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	102.55	
<b>02 41 19 13-0119</b>			<b>&gt;6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>		
02 41 19 13-0120	EA		Drill 1" Diameter Core In > 6" To 8" Brick/Concrete Block .....	51.92	
			<i>For Horizontal Cores, Add</i>	9.14	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	18.28	
02 41 19 13-0121	EA		Drill 1-1/2" Diameter Core In > 6" To 8" Brick/Concrete Block .....	56.99	
			<i>For Horizontal Cores, Add</i>	10.15	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.30	
02 41 19 13-0122	EA		Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block .....	62.64	
			<i>For Horizontal Cores, Add</i>	11.28	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.56	
02 41 19 13-0123	EA		Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block .....	75.23	
			<i>For Horizontal Cores, Add</i>	13.33	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.66	
02 41 19 13-0124	EA		Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block .....	98.41	
			<i>For Horizontal Cores, Add</i>	17.43	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	34.87	
02 41 19 13-0125	EA		Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block .....	136.97	
			<i>For Horizontal Cores, Add</i>	24.61	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	49.23	
02 41 19 13-0126	EA		Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block .....	224.04	
			<i>For Horizontal Cores, Add</i>	41.02	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	82.03	
02 41 19 13-0127	EA		Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block .....	256.11	
			<i>For Horizontal Cores, Add</i>	46.14	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	92.28	
02 41 19 13-0128	EA		Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block .....	286.83	
			<i>For Horizontal Cores, Add</i>	51.27	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	102.55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0129 EA Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block .....	319.37	
For Horizontal Cores, Add	56.39	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	112.78	
02 41 19 13-0130 EA Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block .....	356.32	
For Horizontal Cores, Add	61.53	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	123.06	
<b>02 41 19 13-0131 &gt;8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>		
02 41 19 13-0132 EA Drill 1" Diameter Core In > 8" To 10" Brick/Concrete Block .....	61.86	
For Horizontal Cores, Add	10.80	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.60	
02 41 19 13-0133 EA Drill 1-1/2" Diameter Core In > 8" To 10" Brick/Concrete Block .....	67.86	
For Horizontal Cores, Add	12.00	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.00	
02 41 19 13-0134 EA Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block .....	74.52	
For Horizontal Cores, Add	13.33	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	26.66	
02 41 19 13-0135 EA Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block .....	87.75	
For Horizontal Cores, Add	15.38	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.76	
02 41 19 13-0136 EA Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block .....	101.31	
For Horizontal Cores, Add	17.43	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	34.87	
02 41 19 13-0137 EA Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block .....	140.51	
For Horizontal Cores, Add	24.61	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	49.23	
02 41 19 13-0138 EA Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block .....	228.84	
For Horizontal Cores, Add	41.02	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	82.03	
02 41 19 13-0139 EA Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block .....	262.43	
For Horizontal Cores, Add	46.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	92.28	
02 41 19 13-0140 EA Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block .....	294.36	
For Horizontal Cores, Add	51.26	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	102.53	
02 41 19 13-0141 EA Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block .....	328.98	
For Horizontal Cores, Add	56.39	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	112.78	
02 41 19 13-0142 EA Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block .....	368.89	
For Horizontal Cores, Add	61.52	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	123.04	
<b>02 41 19 13-0143 &gt;10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>		
02 41 19 13-0144 EA Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block .....	67.66	
For Horizontal Cores, Add	11.63	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	23.26	
02 41 19 13-0145 EA Drill 1-1/2" Diameter Core In > 10" To 12" Brick/Concrete Block .....	74.13	
For Horizontal Cores, Add	12.92	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.84	
02 41 19 13-0146 EA Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block .....	81.31	
For Horizontal Cores, Add	14.36	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	28.72	
02 41 19 13-0147 EA Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block .....	90.03	
For Horizontal Cores, Add	15.38	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.76	
02 41 19 13-0148 EA Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block .....	119.60	
For Horizontal Cores, Add	20.51	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	41.02	
02 41 19 13-0149 EA Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block .....	154.31	
For Horizontal Cores, Add	26.67	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	53.33	
02 41 19 13-0150 EA Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block .....	243.91	
For Horizontal Cores, Add	43.07	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	86.14	
02 41 19 13-0151 EA Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block .....	268.75	
For Horizontal Cores, Add	46.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	92.28	
02 41 19 13-0152 EA Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block .....	312.27	
For Horizontal Cores, Add	53.33	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	106.66	
<b>02 41 19 13-0153 &gt;12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>		
02 41 19 13-0154 IN Drill 1" Diameter Core In >12" Brick/Concrete Block .....	7.90	
For Horizontal Cores, Add	1.42	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	2.84	
02 41 19 13-0155 IN Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block .....	8.69	
For Horizontal Cores, Add	1.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.16	
02 41 19 13-0156 IN Drill 2" Diameter Core In >12" Brick/Concrete Block .....	9.56	
For Horizontal Cores, Add	1.75	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.51	
02 41 19 13-0157 IN Drill 3" Diameter Core In >12" Brick/Concrete Block .....	10.70	
For Horizontal Cores, Add	1.92	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.84	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0158	IN		Drill 4" Diameter Core In >12" Brick/Concrete Block.....	14.23	
			<i>For Horizontal Cores, Add</i>	2.56	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.12	
02 41 19 13-0159	IN		Drill 6" Diameter Core In >12" Brick/Concrete Block.....	18.42	
			<i>For Horizontal Cores, Add</i>	3.33	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	6.67	
02 41 19 13-0160	IN		Drill 8" Diameter Core In >12" Brick/Concrete Block.....	29.32	
			<i>For Horizontal Cores, Add</i>	5.39	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	10.78	
02 41 19 13-0161	IN		Drill 10" Diameter Core In >12" Brick/Concrete Block.....	32.14	
			<i>For Horizontal Cores, Add</i>	5.79	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	11.59	
02 41 19 13-0162	IN		Drill 12" Diameter Core In >12" Brick/Concrete Block.....	37.15	
			<i>For Horizontal Cores, Add</i>	6.67	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	13.34	
<b>02 41 19 13-0163</b>			<b>Asphalt Core Drilling (02 41 19 13-0024)</b>		
<b>02 41 19 13-0164</b>			<b>Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0163)</b>		
02 41 19 13-0165	EA		Drill 1" Diameter Core In Up To 2" Asphalt.....	18.12	
02 41 19 13-0166	EA		Drill 1-1/2" Diameter Core In Up To 2" Asphalt.....	22.70	
02 41 19 13-0167	EA		Drill 2" Diameter Core In Up To 2" Asphalt.....	28.38	
02 41 19 13-0168	EA		Drill 3" Diameter Core In Up To 2" Asphalt.....	35.26	
02 41 19 13-0169	EA		Drill 4" Diameter Core In Up To 2" Asphalt.....	44.43	
02 41 19 13-0170	EA		Drill 6" Diameter Core In Up To 2" Asphalt.....	55.84	
02 41 19 13-0171	EA		Drill 8" Diameter Core In Up To 2" Asphalt.....	69.76	
02 41 19 13-0172	EA		Drill 10" Diameter Core In Up To 2" Asphalt.....	86.65	
02 41 19 13-0173	EA		Drill 12" Diameter Core In Up To 2" Asphalt.....	108.15	
<b>02 41 19 13-0174</b>			<b>&gt;2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0163)</b>		
02 41 19 13-0175	EA		Drill 1" Diameter Core In >2" To 3" Asphalt.....	22.64	
02 41 19 13-0176	EA		Drill 1-1/2" Diameter Core In >2" To 3" Asphalt.....	29.40	
02 41 19 13-0177	EA		Drill 2" Diameter Core In >2" To 3" Asphalt.....	36.18	
02 41 19 13-0178	EA		Drill 3" Diameter Core In >2" To 3" Asphalt.....	45.33	
02 41 19 13-0179	EA		Drill 4" Diameter Core In >2" To 3" Asphalt.....	56.76	
02 41 19 13-0180	EA		Drill 6" Diameter Core In >2" To 3" Asphalt.....	71.51	
02 41 19 13-0181	EA		Drill 8" Diameter Core In >2" To 3" Asphalt.....	88.86	
02 41 19 13-0182	EA		Drill 10" Diameter Core In >2" To 3" Asphalt.....	111.32	
02 41 19 13-0183	EA		Drill 12" Diameter Core In >2" To 3" Asphalt.....	138.42	
<b>02 41 19 13-0184</b>			<b>&gt;3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0163)</b>		
02 41 19 13-0185	EA		Drill 1" Diameter Core In >3" To 4" Asphalt.....	29.47	
02 41 19 13-0186	EA		Drill 1-1/2" Diameter Core In >3" To 4" Asphalt.....	37.46	
02 41 19 13-0187	EA		Drill 2" Diameter Core In >3" To 4" Asphalt.....	46.50	
02 41 19 13-0188	EA		Drill 3" Diameter Core In >3" To 4" Asphalt.....	57.97	
02 41 19 13-0189	EA		Drill 4" Diameter Core In >3" To 4" Asphalt.....	72.93	
02 41 19 13-0190	EA		Drill 6" Diameter Core In >3" To 4" Asphalt.....	91.18	
02 41 19 13-0191	EA		Drill 8" Diameter Core In >3" To 4" Asphalt.....	114.38	
02 41 19 13-0192	EA		Drill 10" Diameter Core In >3" To 4" Asphalt.....	142.54	
02 41 19 13-0193	EA		Drill 12" Diameter Core In >3" To 4" Asphalt.....	177.62	
<b>02 41 19 13-0194</b>			<b>&gt;4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0163)</b>		
02 41 19 13-0195	EA		Drill 1" Diameter Core In >4" To 6" Asphalt.....	38.74	
02 41 19 13-0196	EA		Drill 1-1/2" Diameter Core In >4" To 6" Asphalt.....	47.97	
02 41 19 13-0197	EA		Drill 2" Diameter Core In >4" To 6" Asphalt.....	59.32	
02 41 19 13-0198	EA		Drill 3" Diameter Core In >4" To 6" Asphalt.....	75.57	
02 41 19 13-0199	EA		Drill 4" Diameter Core In >4" To 6" Asphalt.....	94.13	
02 41 19 13-0200	EA		Drill 6" Diameter Core In >4" To 6" Asphalt.....	117.08	
02 41 19 13-0201	EA		Drill 8" Diameter Core In >4" To 6" Asphalt.....	147.51	
02 41 19 13-0202	EA		Drill 10" Diameter Core In >4" To 6" Asphalt.....	183.68	
02 41 19 13-0203	EA		Drill 12" Diameter Core In >4" To 6" Asphalt.....	229.22	
<b>02 41 19 13-0204</b>			<b>Manhole Core Drilling (02 41 19 13-0024)</b>		
02 41 19 13-0205	EA		Drill 4" Diameter Core In 6" Brick Manhole.....	197.90	
02 41 19 13-0206	EA		Drill 5" Diameter Core In 6" Brick Manhole.....	226.08	
02 41 19 13-0207	EA		Drill 6" Diameter Core In 6" Brick Manhole.....	263.31	
02 41 19 13-0208	EA		Drill 8" Diameter Core In 6" Brick Manhole.....	394.05	
02 41 19 13-0209	EA		Drill 2" Diameter Core In 8" Concrete Manhole.....	264.03	
02 41 19 13-0210	EA		Drill 3" Diameter Core In 8" Concrete Manhole.....	282.84	
02 41 19 13-0211	EA		Drill 4" Diameter Core In 8" Concrete Manhole.....	312.93	
02 41 19 13-0212	EA		Drill 5" Diameter Core In 8" Concrete Manhole.....	336.21	
02 41 19 13-0213	EA		Drill 6" Diameter Core In 8" Concrete Manhole.....	397.87	
02 41 19 13-0214	EA		Drill 8" Diameter Core In 8" Concrete Manhole.....	567.48	
02 41 19 13-0215	EA		Drill 2" Diameter Core In Fiberglass Manhole.....	25.79	
02 41 19 13-0216	EA		Drill 3" Diameter Core In Fiberglass Manhole.....	29.81	
02 41 19 13-0217	EA		Drill 4" Diameter Core In Fiberglass Manhole.....	32.34	
02 41 19 13-0218	EA		Drill 5" Diameter Core In Fiberglass Manhole.....	35.29	
02 41 19 13-0219	EA		Drill 6" Diameter Core In Fiberglass Manhole.....	38.83	
02 41 19 13-0220	EA		Drill 8" Diameter Core In Fiberglass Manhole.....	43.18	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**02 41 19 13-0221 Drilling In Concrete Per Inch Of Depth (02 41 19 13-0024)**  
 Note: Includes layout.

02 41 19 13-0222	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth .....	1.99
02 41 19 13-0223	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth .....	2.09
02 41 19 13-0224	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth .....	2.23
02 41 19 13-0225	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth .....	2.38
02 41 19 13-0226	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth .....	2.61
02 41 19 13-0227	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth .....	2.83
02 41 19 13-0228	IN	1" Diameter Drilling In Concrete Per Inch Of Depth .....	2.98
02 41 19 13-0229	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth .....	3.29
02 41 19 13-0230	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth .....	3.73

**02 41 19 13-0231 Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0024)**  
 Note: Includes layout.

02 41 19 13-0232	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	1.66
02 41 19 13-0233	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	1.75
02 41 19 13-0234	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	1.87
02 41 19 13-0235	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	2.00
02 41 19 13-0236	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	2.18
02 41 19 13-0237	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	2.37
02 41 19 13-0238	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	2.50
02 41 19 13-0239	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	2.76
02 41 19 13-0240	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	3.22

**02 41 19 13-0241 Drilling In Wood Or Plastic Per Inch Of Depth (02 41 19 13-0024)**  
 Note: Includes layout.

02 41 19 13-0242	IN	1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth .....	0.81
02 41 19 13-0243	IN	3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth .....	0.86
02 41 19 13-0244	IN	1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth .....	0.92
02 41 19 13-0245	IN	5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth .....	0.98
02 41 19 13-0246	IN	3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth .....	1.07
02 41 19 13-0247	IN	7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth .....	1.16
02 41 19 13-0248	IN	1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth .....	1.24
02 41 19 13-0249	IN	1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth .....	1.36
02 41 19 13-0250	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth .....	1.55

**02 41 19 13-0251 Drilling In Drywall Or Plaster Per Inch Of Depth (02 41 19 13-0024)**  
 Note: Includes layout, high efficiency particulate air (HEPA) vacuum and protection.

02 41 19 13-0252	IN	1/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth .....	0.81
02 41 19 13-0253	IN	3/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth .....	0.86
02 41 19 13-0254	IN	1/2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth .....	0.92
02 41 19 13-0255	IN	5/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth .....	0.98
02 41 19 13-0256	IN	3/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth .....	1.07
02 41 19 13-0257	IN	7/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth .....	1.16
02 41 19 13-0258	IN	1" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth .....	1.24
02 41 19 13-0259	IN	1-1/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth .....	1.36
02 41 19 13-0260	IN	1-1/2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth .....	1.55

**02 41 19 13-0261 Limestone Core Drilling (02 41 19 13-0024)**

**02 41 19 13-0262 10" To 14" Thick Limestone Core Drilling (02 41 19 13-0261)**

02 41 19 13-0263	EA	Drill 1" Diameter Core In 10" To 14" Limestone .....	58.78
02 41 19 13-0264	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone .....	70.94
02 41 19 13-0265	EA	Drill 2" Diameter Core In 10" To 14" Limestone .....	77.60
02 41 19 13-0266	EA	Drill 3" Diameter Core In 10" To 14" Limestone .....	90.96
02 41 19 13-0267	EA	Drill 4" Diameter Core In 10" To 14" Limestone .....	104.55
02 41 19 13-0268	EA	Drill 6" Diameter Core In 10" To 14" Limestone .....	145.59
02 41 19 13-0269	EA	Drill 8" Diameter Core In 10" To 14" Limestone .....	238.42

**02 41 19 13-0270 15" To 18" Thick Limestone Core Drilling (02 41 19 13-0261)**

02 41 19 13-0271	EA	Drill 1" Diameter Core In 15" To 18" Limestone .....	65.07
02 41 19 13-0272	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone .....	77.48
02 41 19 13-0273	EA	Drill 2" Diameter Core In 15" To 18" Limestone .....	84.40
02 41 19 13-0274	EA	Drill 3" Diameter Core In 15" To 18" Limestone .....	92.78
02 41 19 13-0275	EA	Drill 4" Diameter Core In 15" To 18" Limestone .....	123.34
02 41 19 13-0276	EA	Drill 6" Diameter Core In 15" To 18" Limestone .....	159.38
02 41 19 13-0277	EA	Drill 8" Diameter Core In 15" To 18" Limestone .....	253.33

**02 41 19 13-0278 19" To 24" Thick Limestone Core Drilling (02 41 19 13-0261)**

02 41 19 13-0279	EA	Drill 1" Diameter Core In 19" To 24" Limestone .....	71.26
02 41 19 13-0280	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone .....	83.89
02 41 19 13-0281	EA	Drill 2" Diameter Core In 19" To 24" Limestone .....	91.04
02 41 19 13-0282	EA	Drill 3" Diameter Core In 19" To 24" Limestone .....	105.31
02 41 19 13-0283	EA	Drill 4" Diameter Core In 19" To 24" Limestone .....	147.33
02 41 19 13-0284	EA	Drill 6" Diameter Core In 19" To 24" Limestone .....	183.86
02 41 19 13-0285	EA	Drill 8" Diameter Core In 19" To 24" Limestone .....	273.37

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0286		<b>Minimum Charge For Core Drilling</b> (02 41 19 13-0024)		
02 41 19 13-0287	EA	Core Drill Minimum Charge.....	716.60	
		Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".		
02 41 19 13-0288		<b>Cutouts</b> (02 41 19 13)		
		Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
02 41 19 13-0289		<b>Reinforced Concrete Slab On Grade Cutouts</b> (02 41 19 13-0288)		
02 41 19 13-0290	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	43.01	
02 41 19 13-0291	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	45.61	
02 41 19 13-0292	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	48.23	
02 41 19 13-0293	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	50.83	
02 41 19 13-0294	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	52.13	
02 41 19 13-0295		<b>Reinforced Concrete Elevated Slab Cutouts</b> (02 41 19 13-0288)		
		Note: Includes cutting and removing steel decking.		
02 41 19 13-0296	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	52.42	
02 41 19 13-0297	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	55.59	
02 41 19 13-0298	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	58.77	
02 41 19 13-0299	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	61.95	
02 41 19 13-0300	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	63.53	
02 41 19 13-0301		<b>Reinforced Concrete Wall Cutouts</b> (02 41 19 13-0288)		
02 41 19 13-0302	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	53.76	
02 41 19 13-0303	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	57.02	
02 41 19 13-0304	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	60.28	
02 41 19 13-0305	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	63.53	
02 41 19 13-0306	SF	12" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	65.17	
02 41 19 13-0307		<b>Brick Wall Cutouts</b> (02 41 19 13-0288)		
		Note: Excludes toothing.		
02 41 19 13-0308	SF	4" Thick Brick Wall Cutouts, <24 SF.....	16.29	
02 41 19 13-0309	SF	6" Thick Brick Wall Cutouts, <24 SF.....	26.88	
02 41 19 13-0310	SF	8" Thick Brick Wall Cutouts, <24 SF.....	37.43	
02 41 19 13-0311	SF	10" Thick Brick Wall Cutouts, <24 SF.....	45.61	
02 41 19 13-0312	SF	12" Thick Brick Wall Cutouts, <24 SF.....	54.57	
02 41 19 13-0313	SF	16" Thick Brick Wall Cutouts, <24 SF.....	64.35	
02 41 19 13-0314		<b>Concrete Block Wall Cutouts</b> (02 41 19 13-0288)		
		Note: Excludes toothing.		
02 41 19 13-0315	SF	4" Thick Concrete Block Wall Cutouts, <24 SF.....	26.95	
02 41 19 13-0316	SF	6" Thick Concrete Block Wall Cutouts, <24 SF.....	28.54	
02 41 19 13-0317	SF	8" Thick Concrete Block Wall Cutouts, <24 SF.....	30.13	
02 41 19 13-0318	SF	10" Thick Concrete Block Wall Cutouts, <24 SF.....	31.77	
02 41 19 13-0319	SF	12" Thick Concrete Block Wall Cutouts, <24 SF.....	32.59	
02 41 19 13-0320	SF	16" Thick Concrete Block Wall Cutouts, <24 SF.....	34.21	
02 41 19 13-0321		<b>Limestone Cutouts</b> (02 41 19 13-0288)		
02 41 19 13-0322	SF	2" Thick Limestone Cutouts, <24 SF.....	45.61	
02 41 19 13-0323	SF	4" Thick Limestone Cutouts, <24 SF.....	55.39	
02 41 19 13-0324	SF	6" Thick Limestone Cutouts, <24 SF.....	58.65	
02 41 19 13-0325	SF	8" Thick Limestone Cutouts, <24 SF.....	61.91	
02 41 19 13-0326	SF	10" Thick Limestone Cutouts, <24 SF.....	65.17	
02 41 19 13-0327	SF	12" Thick Limestone Cutouts, <24 SF.....	68.43	
02 41 19 13-0328		<b>Toothed Masonry Cutouts</b> (02 41 19 13-0288)		
		Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0329	VLF	Brick, Soft Old Mortar, Toothing Masonry Cutouts.....	16.29	
02 41 19 13-0330	VLF	Brick, Hard Mortar, Toothing Masonry Cutouts.....	22.00	
02 41 19 13-0331	VLF	Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts.....	9.77	
02 41 19 13-0332	VLF	Concrete Block, Hard Mortar, Toothing Masonry Cutouts.....	13.04	
02 41 19 13-0333		<b>Minimum Charge For Cutouts</b> (02 41 19 13-0288)		
		Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0334	EA	Cutouts Minimum Charge.....	325.83	
02 41 19 13-0335		<b>Exterior Masonry Removal</b> (02 41 19 13)		
02 41 19 13-0336		<b>Masonry Columns Removal (Interior And Exterior)</b> (02 41 19 13-0335)		
02 41 19 13-0337	VLF	8" x 8" Masonry Column Removal.....	12.70	
02 41 19 13-0338	VLF	10" x 10" Masonry Column Removal.....	19.85	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 19 13-0339	VLF	12" x 12" Masonry Column Removal.....	25.42	
02 41 19 13-0340	VLF	14" x 14" Masonry Column Removal.....	31.82	
02 41 19 13-0341	VLF	16" x 16" Masonry Column Removal.....	39.09	
02 41 19 13-0342	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square .....	21.96	

**02 41 19 13-0343 Masonry Chimney Removal** (02 41 19 13-0335)

02 41 19 13-0344	CF	Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed.....	25.75	
02 41 19 13-0345	CF	>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	19.33	
02 41 19 13-0346	CF	>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	14.80	
02 41 19 13-0347	CF	>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	10.25	

**02 41 19 13-0348 Remove And Reset Precast, Stone Or Masonry Coping** (02 41 19 13-0335)

Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.

02 41 19 13-0349	LF	Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping .....	18.49	
02 41 19 13-0350	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	27.66	
02 41 19 13-0351	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	52.85	

**02 41 19 13-0352 Facade Removal** (02 41 19 13-0335)

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.

02 41 19 13-0353	SF	Stone Or Brick Veneer Facade Removal .....	4.83	
		<i>For Cleaning and Storage For Reuse, Add</i>	7.25	
		<i>For Reinforcing, Add</i>	0.72	

**02 41 19 13-0354 Exterior Masonry Removal** (02 41 19 13-0335)

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.

02 41 19 13-0355	SF	Demolish 4" Thick Non Reinforced Concrete Block Exterior Wall .....	4.25	
02 41 19 13-0356	SF	Demolish 6" Thick Non Reinforced Concrete Block Exterior Wall .....	4.80	
02 41 19 13-0357	SF	Demolish 8" Thick Non Reinforced Concrete Block Exterior Wall .....	5.80	
02 41 19 13-0358	SF	Demolish 10" Thick Non Reinforced Concrete Block Exterior Wall .....	6.34	
02 41 19 13-0359	SF	Demolish 12" Thick Non Reinforced Concrete Block Exterior Wall .....	6.96	
02 41 19 13-0360	SF	Demolish 16" Thick Non Reinforced Concrete Block Exterior Wall .....	8.71	
02 41 19 13-0361	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall .....	5.03	
02 41 19 13-0362	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall .....	5.76	
02 41 19 13-0363	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall .....	6.96	
02 41 19 13-0364	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall .....	7.61	
02 41 19 13-0365	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall .....	8.35	
02 41 19 13-0366	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall .....	10.45	
02 41 19 13-0367	SF	Demolish 4" Thick Brick Exterior Wall .....	4.25	
		<i>For Cleaning and Storage For Reuse, Add</i>	6.38	
02 41 19 13-0368	SF	Demolish 6" Thick Brick Exterior Wall .....	4.80	
		<i>For Cleaning and Storage For Reuse, Add</i>	7.20	
02 41 19 13-0369	SF	Demolish 8" Thick Brick Exterior Wall .....	5.80	
		<i>For Cleaning and Storage For Reuse, Add</i>	8.70	
02 41 19 13-0370	SF	Demolish 10" Thick Brick Exterior Wall .....	6.34	
		<i>For Cleaning and Storage For Reuse, Add</i>	9.51	
02 41 19 13-0371	SF	Demolish 12" Thick Brick Exterior Wall .....	6.96	
		<i>For Cleaning and Storage For Reuse, Add</i>	10.44	
02 41 19 13-0372	SF	Demolish 16" Thick Brick Exterior Wall .....	8.71	
		<i>For Cleaning and Storage For Reuse, Add</i>	13.07	
02 41 19 13-0373	CF	Exterior Brick, Concrete Block Or Composite Removal .....	12.38	
		<i>For Cleaning and Storage For Reuse, Add</i>	18.57	
		<i>For Reinforcing, Add</i>	1.86	

**02 41 19 13-0374 Lintel Removal** (02 41 19 13-0335)

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.

02 41 19 13-0375	LF	Demolish Steel Lintel .....	16.94	
02 41 19 13-0376	LF	Demolish Concrete Or Stone Lintel .....	22.59	
02 41 19 13-0377	LF	Demolish Steel Shelf Angle.....	17.89	

**02 41 19 13-0378 Reinstall Lintel** (02 41 19 13-0335)

Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.

02 41 19 13-0379	LF	Clean, Prime And Paint Steel Shelf Angle Or Lintel.....	8.47	
02 41 19 13-0380	LF	Reinstall Existing Concrete Or Stone Lintel .....	22.59	
02 41 19 13-0381	LF	Reinstall Existing Steel Shelf Angle .....	46.07	
		Note: Includes fasteners.		
02 41 19 13-0382	LF	Reinstall Existing Steel Lintel.....	18.82	
02 41 19 13-0383	LF	Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls.....	79.21	
02 41 19 13-0384	LF	Removal And Replacement Of Steel Lintel Over Window Openings .....	135.14	

**02 41 19 13-0385 Exterior Concrete Wall Removal** (02 41 19 13)

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0386	SF		Demolish 4" Thick Reinforced Concrete Exterior Wall .....	5.78	
02 41 19 13-0387	SF		Demolish 6" Thick Reinforced Concrete Exterior Wall .....	10.49	
02 41 19 13-0388	SF		Demolish 8" Thick Reinforced Concrete Exterior Wall .....	13.18	
02 41 19 13-0389	SF		Demolish 10" Thick Reinforced Concrete Exterior Wall .....	15.54	
02 41 19 13-0390	SF		Demolish 12" Thick Reinforced Concrete Exterior Wall .....	18.37	
02 41 19 13-0391			<b>Elevated Concrete Removal</b> (02 41 19 13)		
02 41 19 13-0392	CF		Elevated Concrete Beam/Slab/Steps Removal, Reinforced.....	10.91	
<b>02 41 19 16</b>			<b>Selective Interior Demolition</b> (02 41 19)		
			Note: Includes break-up of material, loading into truck or dumpster and clean-up.		
02 41 19 16-0001			<b>Floor Removal</b> (02 41 19 16)		
02 41 19 16-0002			<b>Scarify Concrete</b> (02 41 19 16-0001)		
			Note: Up to 1/4" removal per pass.		
02 41 19 16-0003	SF		Scarify Concrete Floor .....	0.27	
02 41 19 16-0004	SF		Scarify Concrete Tread And Riser.....	2.31	
02 41 19 16-0005	SF		Scarify Concrete Wall.....	2.10	
02 41 19 16-0006			<b>Fireproofing Removal</b> (02 41 19 16)		
02 41 19 16-0007	SF		Removal Of Fireproofing From Concrete Or Steel.....	1.07	
02 41 19 16-0008			<b>Demolish Ceiling</b> (02 41 19 16)		
02 41 19 16-0009	SF		Demolish Drywall Ceiling .....	0.83	
02 41 19 16-0010	SF		Demolish Furred Plastered Ceiling.....	1.93	
02 41 19 16-0011	SF		Demolish Suspended Plastered Ceiling And Suspension System .....	1.48	
02 41 19 16-0012			<b>Demolish Concrete Stair</b> (02 41 19 16)		
02 41 19 16-0013	CF		Demolish Interior Reinforced Concrete Stairs .....	6.96	
02 41 19 16-0014	CF		Demolish Exterior Reinforced Concrete Stairs .....	6.03	
02 41 19 16-0015			<b>Demolish Interior Partition/Wall</b> (02 41 19 16)		
			Note: Price includes knock down, loading, clean-up.		
02 41 19 16-0016			<b>Demolish Masonry And Concrete Interior Partition/Walls</b> (02 41 19 16-0015)		
			Note: Includes saw cutting, knock down, loading and clean-up.		
02 41 19 16-0017			<b>Demolish Concrete Block Interior Partition/Walls</b> (02 41 19 16-0016)		
02 41 19 16-0018	SF		Demolish 4" Thick Non Reinforced Concrete Block Interior Partition/Wall .....	4.51	
02 41 19 16-0019	SF		Demolish 6" Thick Non Reinforced Concrete Block Interior Partition/Wall .....	4.82	
02 41 19 16-0020	SF		Demolish 8" Thick Non Reinforced Concrete Block Interior Partition/Wall .....	5.43	
02 41 19 16-0021	SF		Demolish 12" Thick Non Reinforced Concrete Block Interior Partition/Wall .....	6.97	
02 41 19 16-0022	SF		Demolish 16" Thick Non Reinforced Concrete Block Interior Partition/Wall .....	8.71	
02 41 19 16-0023	SF		Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall.....	5.41	
02 41 19 16-0024	SF		Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall.....	5.78	
02 41 19 16-0025	SF		Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall.....	6.52	
02 41 19 16-0026	SF		Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall.....	8.36	
02 41 19 16-0027	SF		Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall.....	10.45	
02 41 19 16-0028			<b>Demolish Brick Interior Partition/Walls</b> (02 41 19 16-0016)		
02 41 19 16-0029	SF		Demolish 4" Thick Brick Interior Partition/Wall .....	4.51	
02 41 19 16-0030	SF		Demolish 8" Thick Brick Interior Partition/Wall .....	5.43	
02 41 19 16-0031	SF		Demolish 12" Thick Brick Interior Partition/Wall .....	6.96	
02 41 19 16-0032	SF		Demolish 16" Thick Brick Interior Partition/Wall .....	8.71	
02 41 19 16-0033			<b>Demolish Glass Block Interior Partition/Walls</b> (02 41 19 16-0016)		
02 41 19 16-0034	SF		Demolish Glass Block Interior Partition/Walls .....	3.86	
02 41 19 16-0035			<b>Demolish Concrete Interior Partition/Walls</b> (02 41 19 16-0016)		
			See CSI section 02 41 16 13-0021 for concrete foundation demolition.		
02 41 19 16-0036	SF		Demolish 6" Thick Non Reinforced Concrete Interior Partition/Wall .....	8.20	
02 41 19 16-0037	SF		Demolish 8" Thick Non Reinforced Concrete Interior Partition/Wall .....	10.25	
02 41 19 16-0038	SF		Demolish 12" Thick Non Reinforced Concrete Interior Partition/Wall .....	14.35	
02 41 19 16-0039	SF		Demolish 6" Thick Reinforced Concrete Interior Partition/Wall .....	9.84	
02 41 19 16-0040	SF		Demolish 8" Thick Reinforced Concrete Interior Partition/Wall .....	12.38	
02 41 19 16-0041	SF		Demolish 12" Thick Reinforced Concrete Interior Partition/Wall .....	17.22	
02 41 19 16-0042			<b>Demolish Terra-Cotta Block Interior Partition/Walls</b> (02 41 19 16-0016)		
02 41 19 16-0043	SF		Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster .....	1.54	
02 41 19 16-0044			<b>Demolish Stud Framed Interior Partition/Walls</b> (02 41 19 16-0015)		
			Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0045 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side..... <i>For Heights &gt;14' To 20', Add</i> <i>For Heights &gt;20', Add</i>	2.73 0.41 0.55	
02 41 19 16-0046 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides..... <i>For Heights &gt;14' To 20', Add</i> <i>For Heights &gt;20', Add</i>	3.18 0.48 0.64	
02 41 19 16-0047 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side..... <i>For Heights &gt;14' To 20', Add</i> <i>For Heights &gt;20', Add</i>	3.49 0.52 0.70	
02 41 19 16-0048 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides..... <i>For Heights &gt;14' To 20', Add</i> <i>For Heights &gt;20', Add</i>	4.85 0.73 0.97	
02 41 19 16-0049 SF Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall..... <i>For Heights &gt;14' To 20', Add</i> <i>For Heights &gt;20', Add</i>	1.44 0.22 0.29	
02 41 19 16-0050 SF Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall..... <i>For Heights &gt;14' To 20', Add</i> <i>For Heights &gt;20', Add</i>	1.71 0.26 0.34	

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

**02 42 21 Salvage of Construction Materials** (02 42)

Note: Salvage tasks include placement on pallets and storage on site.

**02 42 21 35 Roofing Salvage** (02 42 21)

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

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

02 42 21 35-0002 SQ Removal Of Clay Roof Tile, Salvage For Re-use.....	251.11
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**02 42 21 47 Flooring Salvage** (02 42 21)

02 42 21 47-0001 Remove And Salvage For Re-Use (02 42 21 47)

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

02 42 21 47-0002 SF Removal Of Brick Flooring And Salvage.....	2.29
02 42 21 47-0003 SF Removal Of Ceramic/Quarry Tile Floor And Salvage.....	2.29
02 42 21 47-0004 SF Removal Of Terrazzo Flooring And Salvage.....	3.16
02 42 21 47-0005 SF Removal Of Wood Strip Flooring And Salvage.....	1.85
02 42 21 47-0006 SF Removal Of Wood Parquet Flooring And Salvage.....	0.97
02 42 21 47-0007 SF Removal Of Resilient/Linoleum Flooring And Salvage.....	0.70

02 43 Structure Moving (02 40)

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

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

**02 43 13 13 Building Relocation** (02 43 13)

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

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

02 43 13 13-0002 SF Up To 800 SF, Move Relocatable Metal Frame Building.....	31.37
02 43 13 13-0003 SF >800 To 920 SF, Move Relocatable Metal Frame Building.....	29.65
02 43 13 13-0004 SF >920 SF, Move Relocatable Metal Frame Building.....	27.75
02 43 13 13-0005 SF Up To 800 SF, Move Relocatable Wood Frame Building.....	25.17
02 43 13 13-0006 SF >800 To 920 SF, Move Relocatable Wood Frame Building.....	23.53
02 43 13 13-0007 SF >920 SF, Move Relocatable Wood Frame Building.....	20.81
02 43 13 13-0008 SF Up To 800 SF, Move Relocatable Wood/Metal Frame Building.....	30.49
02 43 13 13-0009 SF >800 To 920 SF, Move Relocatable Wood/Metal Frame Building.....	27.75
02 43 13 13-0010 SF >920 SF, Move Relocatable Wood/Metal Frame Building.....	23.53

02 50 Site Remediation (02)

02 58 Snow Control (02 50)

**02 58 13 Snow Fencing** (02 58)

02 58 13 00-0001 Snow/Sand Fence On Steel Posts (02 58 13)

02 58 13 00-0002 LF Steel Fence Post, 10' On Center With 4' Wood Snow/Sand Fence.....	6.19	1.85
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02 60 Contaminated Site Material Removal (02)

02 61 Removal and Disposal of Contaminated Soils (02 60)

**02 61 13 Excavation and Handling of Contaminated Material** (02 61)

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

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

**02 Existing Conditions****02 60 Contaminated Site Material Removal****02 61 Removal and Disposal of Contaminated Soils**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
02 61 13 00-0002	CY	Excavate Petroleum Contaminated Soil.....		12.24	
		Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.			
02 61 13 00-0003	CY	Load Excavated Petroleum Contaminated Soil.....		7.17	
02 61 13 00-0004	CY	Disposal Fees Of Petroleum Contaminated Soil.....		174.11	
<b>02 61 13 00-0005</b>		<b>Accessories For Contaminated Soil Stockpile</b> (02 61 13)			
		See CSI section 31 25 14 23-0001 for sand bags.			
02 61 13 00-0006	SF	30 Mil Liner For Contaminated Soil Storage.....		1.18	
		Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.			
02 61 13 00-0007	SF	10 Mil Liner For Contaminated Soil Storage.....		0.70	
		Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.			
<b>02 61 26</b>		<b>Removal and Disposal of Asbestos Contaminated Soils</b> (02 61)			
		Note: Tasks include materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.			
<b>02 61 26 00-0001</b>		<b>Removal and Disposal of Asbestos Contaminated Soils</b> (02 61 26)			
		Note: Tasks include materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.			
02 61 26 00-0002	EA	Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....		879.27	
		For Work In Restricted Working Space, Add		263.78	
02 61 26 00-0003	CF	>10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....		58.28	
		For Work In Restricted Working Space, Add		17.48	
02 61 26 00-0004	CF	>100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....		38.85	
		For Work In Restricted Working Space, Add		11.66	
02 61 26 00-0005	CF	>250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....		29.18	
		For Work In Restricted Working Space, Add		8.75	
02 61 26 00-0006	CF	>500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....		23.32	
		For Work In Restricted Working Space, Add		7.00	
02 61 26 00-0007	CF	>2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....		19.82	
		For Work In Restricted Working Space, Add		5.95	
02 61 26 00-0008	CF	>10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....		17.83	
		For Work In Restricted Working Space, Add		5.35	
<b>02 65</b>		<b>Underground Storage Tank Removal</b> (02 60)			
		Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0039 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.			
<b>02 65 00 00-0001</b>		<b>Monitoring, Sampling, Testing And Analysis</b> (02 65)			
<b>02 65 00 00-0002</b>		<b>Field Samples For Testing Underground Storage Tank</b> (02 65 00 00-0001)			
02 65 00 00-0003	EA	Collection Of Sludge Sample For Underground Storage Tank.....		20.68	
02 65 00 00-0004	EA	Collection Of Pumpable Liquids Sample For Underground Storage Tank.....		20.68	
02 65 00 00-0005	EA	Collection Of Contaminated Soil Sample.....		20.68	
<b>02 65 00 00-0006</b>		<b>Lab Tests For Underground Storage Tank Removal</b> (02 65 00 00-0001)			
		Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.			
02 65 00 00-0007	EA	Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test.....		139.72	
		Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.			
02 65 00 00-0008	EA	Flashpoint, Lab Test.....		54.34	
		Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.			
02 65 00 00-0009	EA	TOX 9020, Lab Test.....		130.71	
		Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.			
02 65 00 00-0010	EA	TPH 8015 Modified, Lab Test.....		139.72	
		Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.			
02 65 00 00-0011	EA	TRPH 418.1, Lab Test.....		108.68	
		Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.			
02 65 00 00-0012	EA	VOC, Lab Test.....		294.98	
		Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.			
02 65 00 00-0013	EA	Semi-Volatile Organic, Lab Test.....		543.38	
		Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.			
02 65 00 00-0014	EA	Oil And Grease 413.1, Lab Test.....		65.36	
		Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.			
02 65 00 00-0015	EA	TCLP (Extraction) - Metals, Lab Test.....		116.44	
		Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.			
02 65 00 00-0016	EA	TCLP (Extraction) - Semi-Volatile Organic, Lab Test.....		155.25	
		Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0017 EA Metals 6010 RCRA, Lab Test .....173.88 Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	173.88	
02 65 00 00-0018 EA Metals (Arsenic) 7060, Lab Test .....23.29 Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	23.29	
02 65 00 00-0019 EA Metals (Selenium) 7740, Lab Test .....23.29 Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	23.29	
02 65 00 00-0020 EA Metals (Lead) 7421, Lab Test .....23.29 Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	23.29	
02 65 00 00-0021 EA Metals (Mercury) 7470, Lab Test .....43.47 Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	43.47	
02 65 00 00-0022 EA PNA/PAH 8100, Lab Test .....248.40 Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	248.40	
02 65 00 00-0023 EA Fuel Id ASTM D3328-78, Lab Test .....89.86 Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	89.86	
02 65 00 00-0024 EA pH, Lab Test .....18.63	18.63	
02 65 00 00-0025 EA Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater .....232.88	232.88	
02 65 00 00-0026 EA Methyl Tertiary Butyl Ether (MTBE), Lab Test.....139.72	139.72	
<b>02 65 00 00-0027 Tests, Surveys And Maintenance For Underground Storage Tank (02 65 00 00-0001)</b>		
02 65 00 00-0028 EA Site Survey For AST/UST Location By Certified Tank Installer .....904.94 Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overflow performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.	904.94	
02 65 00 00-0029 EA Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems .....150.75 Note: By Certified Technician. Write report of findings for action if needed	150.75	
02 65 00 00-0030 EA Check And Report On Monitor Probes .....35.17 Note: By Certified Technician	35.17	
02 65 00 00-0031 EA Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report .....251.24 Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.	251.24	
02 65 00 00-0032 EA Removal And Replacement Of Anode On Impressed System .....114.64	114.64	
02 65 00 00-0033 EA Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank .....165.31	165.31	
02 65 00 00-0034 EA Removal And Replacement Of Monitor Probes On Underground Storage Tank .....246.77	246.77	
02 65 00 00-0035 EA Ultrasonic Test On Underground Storage Tank .....92.90	92.90	
<b>02 65 00 00-0036 Tests And Sampling Labor Hours (02 65 00 00-0001)</b>		
02 65 00 00-0037 HR Certified Tank Installer For Underground Storage Tank.....100.03	100.03	
02 65 00 00-0038 HR Certified Geologist/Environmentalist .....100.58	100.58	
02 65 00 00-0039 HR Hourly Office Work For Reports Required For EPA On Underground Storage Tank .....106.60 Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.	106.60	
<b>02 65 00 00-0040 Remove Tank Contents (02 65)</b>		
<b>02 65 00 00-0041 Transfer Liquid (02 65 00 00-0040)</b> Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042 GAL Transfer Reusable Liquid To Different Tank .....0.66 Note: Per gallon of material transferred.	0.66	
<b>02 65 00 00-0043 Remove And Dispose Of Liquid From Tank (02 65 00 00-0040)</b>		
02 65 00 00-0044 GAL Removal and Disposal Of Hazardous Liquids From Tank.....2.73	2.73	
02 65 00 00-0045 GAL Removal and Disposal Of Non Hazardous Liquid From Tank .....1.66	1.66	
<b>02 65 00 00-0046 Remove And Dispose Of Solids Or Sludge (02 65 00 00-0040)</b> Note: Includes scraping and solidifying agent.		
02 65 00 00-0047 GAL Removal and Disposal Of Hazardous Solids Or Sludge From Tank .....6.96	6.96	
02 65 00 00-0048 GAL Removal and Disposal Of Non Hazardous Solids Or Sludge From Tank .....1.95	1.95	
<b>02 65 00 00-0049 Purge Vapors, Open And Clean Tank (02 65)</b>		
<b>02 65 00 00-0050 Purge Vapors (02 65 00 00-0049)</b>		
02 65 00 00-0051 LB Purge Tank Using Dry Ice .....3.27 Note: Approximately 1.5 To 3.0 LBS of dry ice per 100 Gals of tank volume.	3.27	
<b>02 65 00 00-0052 High Pressure Water Wash And Rinse Of Tank Interior (02 65 00 00-0049)</b> Note: Includes removal and disposal of rinse water.		
02 65 00 00-0053 EA Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....316.26	316.26	
02 65 00 00-0054 EA >275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....427.74	427.74	
02 65 00 00-0055 EA >550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....574.41	574.41	
02 65 00 00-0056 EA >1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....821.16	821.16	
02 65 00 00-0057 EA >2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....1,667.93	1,667.93	
02 65 00 00-0058 EA >5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....2,004.78	2,004.78	
02 65 00 00-0059 EA >6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....2,375.43	2,375.43	
02 65 00 00-0060 EA >8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....2,893.52	2,893.52	
02 65 00 00-0061 EA >10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....3,873.38	3,873.38	

**02 Existing Conditions****02 60 Contaminated Site Material Removal****02 65 Underground Storage Tank Removal**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 65 00 00-0062	EA	>15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....	4,654.61
02 65 00 00-0063	EA	>20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....	5,979.53
02 65 00 00-0064	EA	>30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....	7,259.79
02 65 00 00-0065	EA	>40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....	8,697.66
<b>02 65 00 00-0066 Scrape Clean Tank Exterior (02 65 00 00-0049)</b>			
02 65 00 00-0067	EA	Up To 275 Gallon Tank, Scrape Clean Tank Exterior .....	209.30
02 65 00 00-0068	EA	>275 To 550 Gallon Tank, Scrape Clean Tank Exterior .....	278.72
02 65 00 00-0069	EA	>550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior .....	365.21
02 65 00 00-0070	EA	>1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior .....	505.75
02 65 00 00-0071	EA	>2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior .....	1,120.00
02 65 00 00-0072	EA	>5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior .....	1,418.15
02 65 00 00-0073	EA	>6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior .....	1,659.50
02 65 00 00-0074	EA	>8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior .....	2,086.23
02 65 00 00-0075	EA	>10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior .....	2,711.58
02 65 00 00-0076	EA	>15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior .....	3,403.57
02 65 00 00-0077	EA	>20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior .....	4,431.73
02 65 00 00-0078	EA	>30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior .....	5,318.08
02 65 00 00-0079	EA	>40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior .....	6,647.59
<b>02 65 00 00-0080 Tank And Piping Removal (02 65)</b>			
Note: Excludes excavation.			
<b>02 65 00 00-0081 Removal And Disposal Of Piping (02 65 00 00-0080)</b>			
Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.			
02 65 00 00-0082	LF	Up To 4", Removal And Disposal Of Piping .....	16.96
02 65 00 00-0083	LF	>4" To 8", Removal And Disposal Of Piping .....	22.61
<b>02 65 00 00-0084 Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement (02 65 00 00-0080)</b>			
Note: Excludes excavation or backfill.			
02 65 00 00-0085	EA	Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	586.17
02 65 00 00-0086	EA	>275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	711.77
02 65 00 00-0087	EA	>550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	837.39
02 65 00 00-0088	EA	>1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	1,046.73
02 65 00 00-0089	EA	>2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	1,465.42
02 65 00 00-0090	EA	>5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	1,842.23
02 65 00 00-0091	EA	>6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	2,093.45
02 65 00 00-0092	EA	>8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	2,512.14
02 65 00 00-0093	EA	>10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	3,349.51
02 65 00 00-0094	EA	>15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	4,015.33
02 65 00 00-0095	EA	>20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	4,705.14
02 65 00 00-0096	EA	>30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	5,504.61
02 65 00 00-0097	EA	>40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	6,880.76
<b>02 65 00 00-0098 Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary (02 65 00 00-0080)</b>			
Note: Includes 1 lengthwise at every 4' on-center height wise.			
02 65 00 00-0099	EA	>1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	755.26
02 65 00 00-0100	EA	>2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	1,408.45
02 65 00 00-0101	EA	>5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	1,694.22
02 65 00 00-0102	EA	>6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	1,888.14
02 65 00 00-0103	EA	>8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	2,265.76
02 65 00 00-0104	EA	>10,000 To 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	2,816.90
02 65 00 00-0105	EA	>15,000 To 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	3,388.44
02 65 00 00-0106	EA	>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	4,235.56
02 65 00 00-0107	EA	>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	5,294.45
02 65 00 00-0108	EA	>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	6,618.05
<b>02 65 00 00-0109 Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station (02 65 00 00-0080)</b>			
Note: Includes disposal fee.			
02 65 00 00-0110	EA	Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	438.22
		For Each Additional Mile >15 Miles, Add .....	3.94
02 65 00 00-0111	EA	>275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	619.95
		For Each Additional Mile >15 Miles, Add .....	4.98
02 65 00 00-0112	EA	>550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	1,000.04
		For Each Additional Mile >15 Miles, Add .....	7.47
02 65 00 00-0113	EA	>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	1,750.99
		For Each Additional Mile >15 Miles, Add .....	8.72
02 65 00 00-0114	EA	>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	3,091.76
		For Each Additional Mile >15 Miles, Add .....	15.36
02 65 00 00-0115	EA	>5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	3,141.58
		For Each Additional Mile >15 Miles, Add .....	16.61
02 65 00 00-0116	EA	>6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	3,224.61
		For Each Additional Mile >15 Miles, Add .....	18.68
02 65 00 00-0117	EA	>8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	4,829.21
		For Each Additional Mile >15 Miles, Add .....	24.91



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 65 00 00-0118	EA	>10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station <i>For Each Additional Mile &gt;15 Miles, Add</i>	6,402.48	
02 65 00 00-0119	EA	>15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station <i>For Each Additional Mile &gt;15 Miles, Add</i>	7,643.60	
02 65 00 00-0120	EA	>20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station <i>For Each Additional Mile &gt;15 Miles, Add</i>	9,564.95	
02 65 00 00-0121	EA	>30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station <i>For Each Additional Mile &gt;15 Miles, Add</i>	14,076.80	
02 65 00 00-0122	EA	>40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station <i>For Each Additional Mile &gt;15 Miles, Add</i>	17,240.02	

**02 65 00 00-0123 Other Storage Tank Removals** (02 65 00 00-0080)

02 65 00 00-0124	GAL	Removal Of Cement Lining	0.52	
02 65 00 00-0125	GAL	Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams	0.19	
02 65 00 00-0126	GAL	Install Epoxy For Interior Corrosion Protection	0.89	

**02 65 00 00-0127 Tank Closure Report** (02 65 00 00-0080)

Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.

02 65 00 00-0128	EA	Prepare Tank Closure Report	2,262.34	
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**02 65 00 00-0129 Temporary Tanks** (02 65)

**02 65 00 00-0130 Temporary Holding Tanks** (02 65 00 00-0129)

**02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental** (02 65 00 00-0130)

02 65 00 00-0132	MO	550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	646.03	
02 65 00 00-0133	MO	630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	646.03	
02 65 00 00-0134	MO	630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,292.06	
02 65 00 00-0135	MO	4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	969.05	
02 65 00 00-0136	MO	4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	2,261.11	
02 65 00 00-0137	MO	6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental	1,615.08	
02 65 00 00-0138	MO	21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	3,475.30	
02 65 00 00-0139	MO	21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	4,164.84	
02 65 00 00-0140	MO	21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	7,033.34	

**02 65 00 00-0141 Secondary Containment Berm** (02 65 00 00-0129)

02 65 00 00-0142	MO	Secondary Containment Berm Monthly Rental	1,399.73	
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**02 80 Facility Remediation** (02)

**02 81 Transportation and Disposal of Hazardous Materials** (02 80)

**02 81 00 00-0001 Hazardous Material Disposal** (02 81)

02 81 00 00-0002	EA	Non RCRA (Direct Landfill) Drums, No Stabilization	171.36	
02 81 00 00-0003	EA	RCRA (Direct Landfill) Drums	342.52	
Note: Excludes stabilization. See CSI section 02 81 00 00-0004 for Stabilization (>5 ppm).				
02 81 00 00-0004	EA	Stabilization (>5 ppm)	456.41	
02 81 00 00-0005	TON	Bulk Hazardous Material Landfill Cost	288.94	

**02 81 00 00-0006 Equipment Oil Drain And Disposal** (02 81)

02 81 00 00-0007	TRIP	Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site Note: Excludes Disposal Cost.	454.54	
02 81 00 00-0008	DRM	Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	71.43	
02 81 00 00-0009	DRM	Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	324.68	
02 81 00 00-0010	DRM	Disposal Of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	584.42	
02 81 00 00-0011	CF	Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.	77.80	

**02 82 Asbestos Remediation** (02 80)

See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0013 for decontamination chambers.

**02 82 13 Asbestos Abatement** (02 82)

**02 82 13 00-0001 Air Monitoring And Bulk Sampling, Asbestos Testing** (02 82 13)

Note: Testing tasks include packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.

02 82 13 00-0002	HR	Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring	70.16	
02 82 13 00-0003	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	42.20	
02 82 13 00-0004	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	49.48	
02 82 13 00-0005	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	78.59	
02 82 13 00-0006	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	135.34	
02 82 13 00-0007	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	164.45	

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

02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing.....	33.47
02 82 13 00-0009	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing.....	40.75
02 82 13 00-0010	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing.....	55.30
02 82 13 00-0011	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test .....	42.20
02 82 13 00-0012	EA	Next Day Turnaround, (Air Point Counting) PLM Test .....	49.48
02 82 13 00-0013	EA	Same Day Turnaround, (Air Point Counting) PLM Test .....	78.59
02 82 13 00-0014	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing .....	135.34
02 82 13 00-0015	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing .....	155.72
02 82 13 00-0016	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing .....	216.84

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

02 82 16 00-0001	<b>Asbestos Encapsulation (Lock-Down) (02 82 16)</b>		
02 82 16 00-0002	SF	Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat.....	1.35
02 82 16 00-0003	SF	Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound) .....	1.80
02 82 16 00-0004	SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®) .....	1.90
02 82 16 00-0005	SF	Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®).....	2.12
02 82 16 00-0006	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®) .....	6.20
02 82 16 00-0007	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®).....	6.97

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

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

02 82 33 00-0001	<b>Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal (02 82 33)</b>		
02 82 33 00-0002	<b>Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0001)</b>		
Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.			
02 82 33 00-0003	<b>Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)</b>		
See CSI section 02 82 33 00-0017 for projects with less than 10 LF.			
02 82 33 00-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	919.52
		<i>For Work In Restricted Working Space, Add</i>	263.78
02 82 33 00-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	31.98
		<i>For Work In Restricted Working Space, Add</i>	8.99
02 82 33 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	24.50
		<i>For Work In Restricted Working Space, Add</i>	6.75
02 82 33 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	18.87
		<i>For Work In Restricted Working Space, Add</i>	5.06
02 82 33 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	14.65
		<i>For Work In Restricted Working Space, Add</i>	3.79
02 82 33 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	13.00
		<i>For Work In Restricted Working Space, Add</i>	3.30
02 82 33 00-0010	<b>&gt;6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)</b>		
See CSI section 02 82 33 00-0017 for projects with less than 10 LF.			
02 82 33 00-0011	SET	Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	959.77
		<i>For Work In Restricted Working Space, Add</i>	263.78
02 82 33 00-0012	LF	>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	38.49
		<i>For Work In Restricted Working Space, Add</i>	10.34
02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	29.87
		<i>For Work In Restricted Working Space, Add</i>	7.76
02 82 33 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	23.40
		<i>For Work In Restricted Working Space, Add</i>	5.81
02 82 33 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	18.55
		<i>For Work In Restricted Working Space, Add</i>	4.36
02 82 33 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	16.66
		<i>For Work In Restricted Working Space, Add</i>	3.79
02 82 33 00-0017	<b>Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)</b>		
Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.			
02 82 33 00-0018	SET	Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal .....	573.36
		<i>For Work In Restricted Working Space, Add</i>	168.38
02 82 33 00-0019	LF	>3 To 20 LF Additional Glove Bag Work for Pipe Insulation .....	97.56
		<i>For Work In Restricted Working Space, Add</i>	28.06
02 82 33 00-0020	LF	>20 To 250 LF Additional Glove Bag Work for Pipe Insulation .....	40.34
		<i>For Work In Restricted Working Space, Add</i>	10.90
02 82 33 00-0021	LF	>250 To 500 LF Additional Glove Bag Work for Pipe Insulation .....	31.24
		<i>For Work In Restricted Working Space, Add</i>	8.17
02 82 33 00-0022	LF	>500 LF Additional Glove Bag Work for Pipe Insulation.....	24.45
		<i>For Work In Restricted Working Space, Add</i>	6.13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 82 33 00-0023	<b>Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0001)</small>	
	Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.	
02 82 33 00-0024	<b>Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0023)</small>	
	See CSI section 02 82 33 00-0017 for projects with less than 10 LF.	
02 82 33 00-0025	SET Up To 20 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal.....	919.52
	<i>For Work In Restricted Working Space, Add</i> .....	263.78
02 82 33 00-0026	LF >20 To 250 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal.....	31.98
	<i>For Work In Restricted Working Space, Add</i> .....	8.99
02 82 33 00-0027	LF >250 To 500 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal.....	24.50
	<i>For Work In Restricted Working Space, Add</i> .....	6.75
02 82 33 00-0028	LF >500 To 2,500 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal.....	18.87
	<i>For Work In Restricted Working Space, Add</i> .....	5.06
02 82 33 00-0029	LF >2,500 To 10,000 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal.....	14.65
	<i>For Work In Restricted Working Space, Add</i> .....	3.79
02 82 33 00-0030	LF >10,000 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal.....	13.00
	<i>For Work In Restricted Working Space, Add</i> .....	3.30
02 82 33 00-0031	<b>&gt;6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0023)</small>	
	See CSI section 02 82 33 00-0017 for projects with less than 10 LF.	
02 82 33 00-0032	SET Up To 20 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal.....	959.77
	<i>For Work In Restricted Working Space, Add</i> .....	263.78
02 82 33 00-0033	LF >20 To 250 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal.....	38.49
	<i>For Work In Restricted Working Space, Add</i> .....	10.34
02 82 33 00-0034	LF >250 To 500 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal.....	29.87
	<i>For Work In Restricted Working Space, Add</i> .....	7.76
02 82 33 00-0035	LF >500 To 2,500 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal.....	23.40
	<i>For Work In Restricted Working Space, Add</i> .....	5.81
02 82 33 00-0036	LF >2,500 To 10,000 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal.....	18.55
	<i>For Work In Restricted Working Space, Add</i> .....	4.36
02 82 33 00-0037	LF >10,000 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal.....	16.66
	<i>For Work In Restricted Working Space, Add</i> .....	3.79
02 82 33 00-0038	<b>Thermal Insulation, Asbestos Abatement And Disposal</b> <small>(02 82 33)</small>	
02 82 33 00-0039	<b>Calcium Block Insulation, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0038)</small>	
02 82 33 00-0040	SET Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal.....	899.39
02 82 33 00-0041	SF >10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal.....	37.84
02 82 33 00-0042	SF >500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal.....	31.47
02 82 33 00-0043	SF >2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal.....	25.56
02 82 33 00-0044	SF >10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal.....	21.13
02 82 33 00-0045	<b>Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0038)</small>	
02 82 33 00-0046	SET Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal.....	889.33
02 82 33 00-0047	SF >10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal.....	32.74
02 82 33 00-0048	SF >500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal.....	26.38
02 82 33 00-0049	SF >2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal.....	20.47
02 82 33 00-0050	SF >10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal.....	16.04
02 82 33 00-0051	<b>Fibrous Glass Board Insulation, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0038)</small>	
02 82 33 00-0052	SET Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	885.98
02 82 33 00-0053	SF >10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	28.89
02 82 33 00-0054	SF >500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	22.52
02 82 33 00-0055	SF >2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	16.61
02 82 33 00-0056	SF >10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	12.19
02 82 33 00-0057	<b>Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0038)</small>	
	Note: e.g., duct, boiler, tank, etc.	
02 82 33 00-0058	SET Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	904.43
02 82 33 00-0059	SF >25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	30.98
02 82 33 00-0060	SF >500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	24.62
02 82 33 00-0061	SF >2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	18.71
02 82 33 00-0062	SF >10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	14.29

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

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
02 82 33 00-0063		Surfacing Material, Asbestos Abatement And Disposal (02 82 33)			
02 82 33 00-0064		Fireproofing For Small Areas, Asbestos Abatement And Disposal (02 82 33 00-0063)			
		Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0066 for areas > 1 SF see CSI section.			
02 82 33 00-0065	EA	Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal.....	147.55		
		Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.			
02 82 33 00-0066		Fireproofing, Asbestos Abatement And Disposal (02 82 33 00-0063)			
		Note: Exposed surface area, includes associated overspray.			
02 82 33 00-0067	SET	Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal.....	904.43		
02 82 33 00-0068	SF	>25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal.....	36.97		
02 82 33 00-0069	SF	>500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal.....	27.98		
02 82 33 00-0070	SF	>2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	21.23		
02 82 33 00-0071	SF	>10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	16.18		
02 82 33 00-0072		Acoustical Plaster, Asbestos Abatement And Disposal (02 82 33 00-0063)			
		Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.			
02 82 33 00-0073	SET	Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	896.04		
02 82 33 00-0074	SF	>25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	15.69		
02 82 33 00-0075	SF	>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	12.02		
02 82 33 00-0076	SF	>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	9.09		
02 82 33 00-0077	SF	>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	6.90		
02 82 33 00-0078		Gypsum Wall Board, Asbestos Abatement And Disposal (02 82 33 00-0063)			
02 82 33 00-0079	SET	Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	912.82		
		For Additional Layer, Add	241.80		
02 82 33 00-0080	SF	>50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	12.21		
		For Additional Layer, Add	3.17		
02 82 33 00-0081	SF	>500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	9.09		
		For Additional Layer, Add	2.32		
02 82 33 00-0082	SF	>2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	7.27		
		For Additional Layer, Add	1.82		
02 82 33 00-0083	SF	>10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	5.79		
		For Additional Layer, Add	1.41		
02 82 33 00-0084	SF	>50,000 To 100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	4.70		
		For Additional Layer, Add	1.11		
02 82 33 00-0085	SF	>100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	3.89		
		For Additional Layer, Add	0.89		
02 82 33 00-0086		Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal (02 82 33 00-0063)			
02 82 33 00-0087	SET	Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	896.04		
02 82 33 00-0088	SF	>25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	22.58		
02 82 33 00-0089	SF	>500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	16.72		
02 82 33 00-0090	SF	>2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	13.20		
02 82 33 00-0091	SF	>10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	10.42		
02 82 33 00-0092	SF	>50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	7.63		
02 82 33 00-0093		Stucco, Asbestos Abatement And Disposal (02 82 33 00-0063)			
02 82 33 00-0094	SET	Up To 50 SF, Stucco, Asbestos Abatement And Disposal.....	912.82		
02 82 33 00-0095	SF	>50 To 500 SF, Stucco, Asbestos Abatement And Disposal.....	26.15		
02 82 33 00-0096	SF	>500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal.....	19.78		
02 82 33 00-0097	SF	>2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal.....	15.01		
02 82 33 00-0098	SF	>10,000 SF, Stucco, Asbestos Abatement And Disposal.....	11.42		
02 82 33 00-0099		Spray On Acoustical Ceiling, Asbestos Abatement And Disposal (02 82 33 00-0063)			
02 82 33 00-0100	SET	Up To 50 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	912.82		
02 82 33 00-0101	SF	>50 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	10.44		
02 82 33 00-0102	SF	>500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	8.67		
02 82 33 00-0103	SF	>2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	6.17		
02 82 33 00-0104	SF	>10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	4.78		
02 82 33 00-0105		Plywood, Asbestos Abatement And Disposal (02 82 33 00-0063)			
02 82 33 00-0106	SET	Up To 40 SF, Plywood, Asbestos Abatement And Disposal.....	906.11		
02 82 33 00-0107	SF	>50 To 500 SF, Plywood, Asbestos Abatement And Disposal.....	13.13		
02 82 33 00-0108	SF	>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal.....	6.67		
02 82 33 00-0109	SF	>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal.....	4.71		
02 82 33 00-0110	SF	>10,000 SF, Plywood, Asbestos Abatement And Disposal.....	4.11		
02 82 33 00-0111		Flooring Material, Asbestos Abatement And Disposal (02 82 33)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 82 33 00-0112			Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal (02 82 33 00-0111)		
02 82 33 00-0113			Floor Tile Or Linoleum, Asbestos Abatement And Disposal (02 82 33 00-0112) Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0114	SET		Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	885.98	
			For Each Additional Layer, Add.....	221.50	
02 82 33 00-0115	SF		>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	6.67	
			For Each Additional Layer, Add.....	1.67	
02 82 33 00-0116	SF		>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	5.54	
			For Each Additional Layer, Add.....	1.39	
02 82 33 00-0117	SF		>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	4.52	
			For Each Additional Layer, Add.....	1.13	
02 82 33 00-0118	SF		>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	3.27	
			For Each Additional Layer, Add.....	0.82	
02 82 33 00-0119			Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal (02 82 33 00-0112) Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0120	SET		Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	885.98	
			For Each Additional Layer, Add.....	221.50	
02 82 33 00-0121	SF		>100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	6.67	
			For Each Additional Layer, Add.....	1.67	
02 82 33 00-0122	SF		>500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	5.56	
			For Each Additional Layer, Add.....	1.39	
02 82 33 00-0123	SF		>2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	5.09	
			For Each Additional Layer, Add.....	1.27	
02 82 33 00-0124	SF		>10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	4.21	
			For Each Additional Layer, Add.....	1.05	
02 82 33 00-0125			Carpet, Asbestos Abatement And Disposal (02 82 33 00-0112)		
02 82 33 00-0126	SET		Up To 100 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	885.98	
02 82 33 00-0127	SF		>100 To 500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	5.28	
02 82 33 00-0128	SF		>500 To 2,500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	4.36	
02 82 33 00-0129	SF		>2,500 To 10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	3.31	
02 82 33 00-0130	SF		>10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	2.63	
02 82 33 00-0131			Wall Or Cove Base, Asbestos Abatement And Disposal (02 82 33 00-0112) Note: Up to 12".		
02 82 33 00-0132	SET		Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	301.47	
02 82 33 00-0133	LF		>25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	4.25	
02 82 33 00-0134	LF		>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	2.69	
02 82 33 00-0135	LF		>500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	1.80	
02 82 33 00-0136	LF		>2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	1.37	
02 82 33 00-0137			Carpet Containment (Burrito Wrap) And Disposal (02 82 33 00-0112)		
02 82 33 00-0138	SET		Up To 10 SF, Carpet, Non Friable Asbestos Burrito Wrap and Disposal.....	299.80	
02 82 33 00-0139	SF		>10 To 500 SF, Carpet, Non Friable Asbestos Burrito Wrap and Disposal.....	2.19	
02 82 33 00-0140	SF		>500 To 2,500 SF, Carpet, Non Friable Asbestos Burrito Wrap and Disposal.....	1.62	
02 82 33 00-0141	SF		>2,500 To 10,000 SF, Carpet, Non Friable Asbestos Burrito Wrap and Disposal.....	1.22	
02 82 33 00-0142	SF		>10,000 SF, Carpet, Non Friable Asbestos Burrito Wrap and Disposal.....	1.05	
02 82 33 00-0143			Mastic, Asbestos Abatement And Disposal (02 82 33 00-0111) Note: Applies to single layer or bottom layer only of multiple layers. Non hydrocarbon with pine, citrus or no odor.		
02 82 33 00-0144	SET		Up To 100 SF, Mastic, Asbestos Abatement And Disposal.....	896.05	
			Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0145	SF		>100 To 500 SF, Mastic, Asbestos Abatement And Disposal.....	2.37	
			Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0146	SF		>500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal.....	1.78	
			Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0147	SF		>2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal.....	1.40	
			Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0148	SF		>10,000 SF, Mastic, Asbestos Abatement And Disposal.....	1.16	
			Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0149			Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 33 00-0111) Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.		
02 82 33 00-0150	SET		Up To 100 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	946.37	
02 82 33 00-0151	SF		>100 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	7.60	
02 82 33 00-0152	SF		>500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	5.73	
02 82 33 00-0153	SF		>2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	4.63	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0154	SF		>10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal .....	3.75	
<b>02 82 33 00-0155</b>			<b>Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0111)</small>		
02 82 33 00-0156	SET		Up To 100 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal .....	912.80	
02 82 33 00-0157	SF		>100 To 500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal .....	8.18	
02 82 33 00-0158	SF		>500 To 2,500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal .....	5.46	
			Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0159	SF		>2,500 To 10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal .....	4.37	
02 82 33 00-0160	SF		>10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal .....	3.64	
<b>02 82 33 00-0161</b>			<b>Roofing, Asbestos Abatement And Disposal</b> <small>(02 82 33)</small>		
<b>02 82 33 00-0162</b>			<b>Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0161)</small>		
			Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.		
<b>02 82 33 00-0163</b>			<b>Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0162)</small>		
02 82 33 00-0164	SET		Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	963.14	
02 82 33 00-0165	SF		>125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	6.29	
02 82 33 00-0166	SF		>1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	5.17	
02 82 33 00-0167	SF		>5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	4.26	
02 82 33 00-0168	SF		>10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	3.37	
02 82 33 00-0169	SF		>20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	2.69	
<b>02 82 33 00-0170</b>			<b>&gt;2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0162)</small>		
02 82 33 00-0171	SET		Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	1,026.85	
02 82 33 00-0172	SF		>110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	7.74	
02 82 33 00-0173	SF		>1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	6.44	
02 82 33 00-0174	SF		>5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	5.45	
02 82 33 00-0175	SF		>10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	4.42	
02 82 33 00-0176	SF		>20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	3.65	
<b>02 82 33 00-0177</b>			<b>&gt;5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0162)</small>		
02 82 33 00-0178	SET		Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	1,100.65	
02 82 33 00-0179	SF		>110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	9.11	
02 82 33 00-0180	SF		>1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	7.67	
02 82 33 00-0181	SF		>5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	6.58	
02 82 33 00-0182	SF		>10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	5.43	
02 82 33 00-0183	SF		>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	4.57	
<b>02 82 33 00-0184</b>			<b>Shingles And Felt Roofing, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0161)</small>		
<b>02 82 33 00-0185</b>			<b>Shingles And Felt Roofing, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0184)</small>		
02 82 33 00-0186	SET		Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal .....	900.23	
			Note: Single or first of multiple layers.		
02 82 33 00-0187	SF		>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal .....	5.79	
			Note: Single or first of multiple layers.		
			For Each Additional Layer, Add	1.45	
02 82 33 00-0188	SF		>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal .....	4.67	
			Note: Single or first of multiple layers.		
			For Each Additional Layer, Add	1.17	
02 82 33 00-0189	SF		>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal .....	3.76	
			Note: Single or first of multiple layers.		
			For Each Additional Layer, Add	0.94	
02 82 33 00-0190	SF		>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal .....	2.87	
			Note: Single or first of multiple layers.		
			For Each Additional Layer, Add	0.72	
02 82 33 00-0191	SF		>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal .....	2.19	
			Note: Single or first of multiple layers.		
			For Each Additional Layer, Add	0.55	
<b>02 82 33 00-0192</b>			<b>Roof Penetration Mastic, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0161)</small>		
02 82 33 00-0193	SET		Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal .....	294.77	
02 82 33 00-0194	SF		>10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal .....	2.37	
02 82 33 00-0195	SF		>50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal .....	1.97	
02 82 33 00-0196	SF		>100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal .....	1.62	
02 82 33 00-0197	SF		>250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal .....	1.23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>02 82 33 00-0198</b>	<b>Roof Curb Mastic, Asbestos Abatement And Disposal</b> (02 82 33 00-0161)	
02 82 33 00-0199	SET Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal .....	294.77
02 82 33 00-0200	LF >10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal .....	6.77
02 82 33 00-0201	LF >20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal .....	5.45
02 82 33 00-0202	LF >50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal .....	4.56
02 82 33 00-0203	LF >150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal .....	3.34

<b>02 82 33 00-0204</b>	<b>Asbestos-Cement Products, Asbestos Abatement And Disposal</b> (02 82 33)	
<b>02 82 33 00-0205</b>	<b>Interior Asbestos-Cement Board, Asbestos Abatement And Disposal</b> (02 82 33 00-0204)	

Note: Includes detachment of mounted objects before removal.

02 82 33 00-0206	SET Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	912.80
	Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0207	SF >100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	6.34
	Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0208	SF >500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	3.33
	Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0209	SF >2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	2.73
	Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0210	SF >10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	2.43
	Note: Includes detachment of mounted objects before removal.	

<b>02 82 33 00-0211</b>	<b>Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal</b> (02 82 33 00-0204)	
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02 82 33 00-0212	SET Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	912.80
02 82 33 00-0213	SF >100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	5.54
02 82 33 00-0214	SF >500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	3.01
02 82 33 00-0215	SF >2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	2.47
02 82 33 00-0216	SF >10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	2.20

<b>02 82 33 00-0217</b>	<b>Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal</b> (02 82 33 00-0204)	
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02 82 33 00-0218	SET Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	772.98
02 82 33 00-0219	LF >10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	33.99
02 82 33 00-0220	LF >100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	26.51
02 82 33 00-0221	LF >250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	20.88
02 82 33 00-0222	LF >500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	16.66
02 82 33 00-0223	LF >2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	13.50
02 82 33 00-0224	LF >10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	13.29

<b>02 82 33 00-0225</b>	<b>Exterior Transite Siding, Asbestos Abatement And Disposal</b> (02 82 33 00-0204)	
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02 82 33 00-0226	SET Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal .....	936.12
	Note: Single or first of multiple layers.	
02 82 33 00-0227	SF >125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal .....	5.03
	Note: Single or first of multiple layers.	
02 82 33 00-0228	SF >1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal .....	4.09
	Note: Single or first of multiple layers.	
02 82 33 00-0229	SF >5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal .....	3.33
	Note: Single or first of multiple layers.	
02 82 33 00-0230	SF >10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal .....	2.59
	Note: Single or first of multiple layers.	
02 82 33 00-0231	SF >20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal .....	2.02
	Note: Single or first of multiple layers.	

<b>02 82 33 00-0232</b>	<b>Asbestos Contaminated Debris, Asbestos Abatement And Disposal</b> (02 82 33)	
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<b>02 82 33 00-0233</b>	<b>Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal</b> (02 82 33 00-0232)	
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Note: For non-attic/crawl space surface cleaning including walls, floors, equipment, and furniture.

02 82 33 00-0234	SET Up To 10 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal .....	442.99
02 82 33 00-0235	SF >10 To 100 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal .....	1.06
02 82 33 00-0236	SF >100 To 500 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal .....	0.78
02 82 33 00-0237	SF >500 To 1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal .....	0.68
02 82 33 00-0238	SF >1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal .....	0.62

<b>02 82 33 00-0239</b>	<b>Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal</b> (02 82 33 00-0232)	
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02 82 33 00-0240	SET Up To 10 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal .....	599.61
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**02 Existing Conditions****02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0241	SF		>10 To 100 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	15.99	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0242	SF		>100 To 250 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	11.23	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0243	SF		>250 To 500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	8.67	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0244	SF		>500 To 2,500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	7.20	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0245	SF		>2,500 To 10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	6.46	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0246	SF		>10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	5.73	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0247	SET		Up To 10 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	756.21	
02 82 33 00-0248	SF		>10 To 100 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	31.48	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0249	SF		>100 To 250 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	21.78	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0250	SF		>250 To 500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	16.95	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0251	SF		>500 To 2,500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	14.01	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0252	SF		>2,500 To 10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	12.26	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0253	SF		>10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	11.27	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0254	SET		Up To 10 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	919.52	
02 82 33 00-0255	SF		>10 To 100 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	62.30	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0256	SF		>100 To 250 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	42.87	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0257	SF		>250 To 500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	33.20	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0258	SF		>500 To 2,500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	27.34	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0259	SF		>2,500 To 10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	23.84	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 82 33 00-0260	SF		>10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	21.85	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
<b>02 82 33 00-0261</b>			<b>Asbestos Contaminated Debris, Asbestos Abatement And Disposal</b> (02 82 33 00-0232)		
02 82 33 00-0262	SET		Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	626.44	
			<i>For Work In Restricted Working Space, Add</i>	175.86	
02 82 33 00-0263	CF		>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	62.30	
			<i>For Work In Restricted Working Space, Add</i>	17.48	
02 82 33 00-0264	CF		>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	42.87	
			<i>For Work In Restricted Working Space, Add</i>	11.66	
02 82 33 00-0265	CF		>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	33.20	
			<i>For Work In Restricted Working Space, Add</i>	8.75	
02 82 33 00-0266	CF		>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	27.34	
			<i>For Work In Restricted Working Space, Add</i>	7.00	
02 82 33 00-0267	CF		>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	23.84	
			<i>For Work In Restricted Working Space, Add</i>	5.95	
02 82 33 00-0268	CF		>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	21.85	
			<i>For Work In Restricted Working Space, Add</i>	5.35	
<b>02 82 33 00-0269</b>			<b>Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal</b> (02 82 33 00-0232)		
02 82 33 00-0270	SET		Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	663.47	
02 82 33 00-0271	EA		>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	71.78	
02 82 33 00-0272	EA		>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	54.29	
02 82 33 00-0273	EA		>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	45.59	
02 82 33 00-0274	EA		>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	40.31	
02 82 33 00-0275	EA		>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	37.15	
02 82 33 00-0276	EA		>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	35.37	
<b>02 82 33 00-0277</b>			<b>Other Asbestos Containing Materials, Asbestos Abatement And Disposal</b> (02 82 33)		
<b>02 82 33 00-0278</b>			<b>30" To 36" Fire Door, Asbestos Abatement And Disposal</b> (02 82 33 00-0277)		
02 82 33 00-0279	SET		Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	311.20	
02 82 33 00-0280	EA		>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	123.63	
02 82 33 00-0281	EA		>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	113.07	
<b>02 82 33 00-0282</b>			<b>HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal</b> (02 82 33 00-0277)		
02 82 33 00-0283	SET		Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	293.93	
02 82 33 00-0284	LF		>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	6.08	
02 82 33 00-0285	LF		>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	4.58	
02 82 33 00-0286	LF		>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	3.95	
02 82 33 00-0287	LF		>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	3.41	
02 82 33 00-0288	LF		>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	2.93	
02 82 33 00-0289	LF		>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	2.54	
<b>02 82 33 00-0290</b>			<b>Grout, Asbestos Abatement And Disposal</b> (02 82 33 00-0277)		
			Note: e.g. flue grout.		
02 82 33 00-0291	SET		Up To 10 LF, Grout, Asbestos Abatement And Disposal.....	293.65	
02 82 33 00-0292	LF		>10 To 50 LF, Grout, Asbestos Abatement And Disposal.....	11.60	
02 82 33 00-0293	LF		>50 To 100 LF, Grout, Asbestos Abatement And Disposal.....	8.00	
02 82 33 00-0294	LF		>100 To 250 LF, Grout, Asbestos Abatement And Disposal.....	6.87	
02 82 33 00-0295	LF		>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal.....	5.91	
02 82 33 00-0296	LF		>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal.....	5.10	
02 82 33 00-0297	LF		>2,500 LF, Grout, Asbestos Abatement And Disposal.....	4.38	
<b>02 82 33 00-0298</b>			<b>Gaskets, Asbestos Abatement And Disposal</b> (02 82 33 00-0277)		
			Note: e.g. rope, web cloth, flat.		
02 82 33 00-0299	SET		Up To 10 LF, Gaskets, Asbestos Abatement And Disposal.....	293.93	
02 82 33 00-0300	LF		>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal.....	15.63	
02 82 33 00-0301	LF		>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal.....	11.74	
02 82 33 00-0302	LF		>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal.....	10.01	
02 82 33 00-0303	LF		>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal.....	9.02	
02 82 33 00-0304	LF		>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal.....	8.11	
02 82 33 00-0305	LF		>2,500 LF, Gaskets, Asbestos Abatement And Disposal.....	7.72	
<b>02 82 33 00-0306</b>			<b>Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal</b> (02 82 33 00-0277)		
			Note: e.g. grid, spline, or glued on.		
02 82 33 00-0307	SET		Up To 50 SF, Ceiling Tile, Asbestos Abatement And Disposal.....	602.96	
			Note: Including Glue Removal		
02 82 33 00-0308	SF		>50 To 1,000 SF, Ceiling Tile, Asbestos Abatement And Disposal.....	12.80	
			Note: Including Glue Removal		
02 82 33 00-0309	SF		>1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal.....	6.34	
			Note: Including Glue Removal		

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

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
02 82 33 00-0310	SF	>2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal.....		4.38	
		Note: Including Glue Removal			
02 82 33 00-0311	SF	>10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal.....		3.78	
		Note: Including Glue Removal			
<b>02 82 33 00-0312</b>		<b>Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal</b> (02 82 33 00-0277)			
		Note: Includes ceiling tile, asbestos barrier paper, and furring strips.			
02 82 33 00-0313	SET	Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal .....		595.24	
02 82 33 00-0314	SF	>50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal .....		12.80	
02 82 33 00-0315	SF	>1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....		6.34	
02 82 33 00-0316	SF	>2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....		4.38	
02 82 33 00-0317	SF	>10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal .....		3.78	
<b>02 82 33 00-0318</b>		<b>Caulking, Asbestos Abatement And Disposal</b> (02 82 33 00-0277)			
<b>02 82 33 00-0319</b>		<b>Non Friable Caulking, Asbestos Abatement And Disposal</b> (02 82 33 00-0318)			
02 82 33 00-0320	SET	Up To 10 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal .....		293.65	
02 82 33 00-0321	LF	>10 To 50 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal .....		8.70	
02 82 33 00-0322	LF	>50 To 100 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal .....		6.16	
02 82 33 00-0323	LF	>100 To 250 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal .....		4.59	
02 82 33 00-0324	LF	>250 To 1,000 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal .....		3.47	
02 82 33 00-0325	LF	>1,000 To 2,500 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal .....		2.76	
02 82 33 00-0326	LF	>2,500 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal .....		2.40	
<b>02 82 33 00-0327</b>		<b>Wood Wall Joint Compound, Asbestos Abatement And Disposal</b> (02 82 33 00-0277)			
02 82 33 00-0328	SET	Up To 10 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal .....		587.87	
02 82 33 00-0329	SF	>10 To 500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal.....		11.71	
02 82 33 00-0330	SF	>500 To 2,500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal.....		8.59	
02 82 33 00-0331	SF	>2,500 To 10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal.....		6.77	
02 82 33 00-0332	SF	>10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal.....		5.29	
<b>02 82 33 00-0333</b>		<b>Chalk Board Mastic, Asbestos Abatement And Disposal</b> (02 82 33 00-0277)			
02 82 33 00-0334	SET	Up To 100 SF, Chalk Board Mastic, Asbestos Abatement And Disposal.....		309.87	
02 82 33 00-0335	SF	>100 To 1,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal .....		12.63	
02 82 33 00-0336	SF	>1,000 To 2,500 SF, Chalk Board Mastic, Asbestos Abatement And Disposal .....		6.17	
02 82 33 00-0337	SF	>2,500 To 10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal .....		4.21	
02 82 33 00-0338	SF	>10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal .....		3.61	
<b>02 82 33 00-0339</b>		<b>Tack Board Mastic, Asbestos Abatement And Disposal</b> (02 82 33 00-0277)			
02 82 33 00-0340	SET	Up To 100 SF, Tack Board Mastic, Asbestos Abatement And Disposal .....		309.87	
02 82 33 00-0341	SF	>100 To 1,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal.....		12.63	
02 82 33 00-0342	SF	>1,000 To 2,500 SF, Tack Board Mastic, Asbestos Abatement And Disposal.....		6.17	
02 82 33 00-0343	SF	>2,500 To 10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal.....		4.21	
02 82 33 00-0344	SF	>10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal.....		3.61	
<b>02 82 33 00-0345</b>		<b>Dash Coat Over Wood Walls, Asbestos Abatement And Disposal</b> (02 82 33 00-0277)			
02 82 33 00-0346	SET	Up To 10 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal .....		587.87	
02 82 33 00-0347	SF	>10 To 500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal.....		13.00	
02 82 33 00-0348	SF	>500 To 2,500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal.....		9.72	
02 82 33 00-0349	SF	>2,500 To 10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal.....		7.34	
02 82 33 00-0350	SF	>10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal.....		5.55	
<b>02 82 33 00-0351</b>		<b>HEPA Vacuum, Asbestos Abatement And Disposal</b> (02 82 33 00-0277)			
		Note: For adjacent areas.			
02 82 33 00-0352	SF	High Efficiency Particulate Air (HEPA) Vacuum And Cleaning Of Contaminated Area.....		0.76	
<b>02 82 33 00-0353</b>		<b>Window Putty, Asbestos Abatement And Disposal</b> (02 82 33 00-0277)			
02 82 33 00-0354	SET	Up To 10 LF, Window Putty, Asbestos Abatement And Disposal .....		293.65	
02 82 33 00-0355	LF	>10 To 50 LF, Window Putty, Asbestos Abatement And Disposal.....		11.60	
02 82 33 00-0356	LF	>50 To 100 LF, Window Putty, Asbestos Abatement And Disposal.....		8.00	
02 82 33 00-0357	LF	>100 To 250 LF, Window Putty, Asbestos Abatement And Disposal.....		6.87	
02 82 33 00-0358	LF	>250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal.....		5.91	
02 82 33 00-0359	LF	>1,000 LF, Window Putty, Asbestos Abatement And Disposal .....		5.10	

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 83 Lead Remediation (02 80)

See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0013 for decontamination chambers.

02 83 19 Lead-Based Paint Remediation (02 83)

02 83 19 13 Lead-Based Paint Abatement (02 83 19)

Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site.

02 83 19 13-0001 Lead Sampling And Testing (02 83 19 13)

Note: Testing tasks include packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.

02 83 19 13-0002	HR	Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring .....	78.58
02 83 19 13-0003	EA	X-Ray Fluorescence (XRF) Lead Testing .....	50.17
		Note: Including Technician, 3 Readings Per Surface And Lab Fee	
02 83 19 13-0004	EA	5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee .....	48.02
02 83 19 13-0005	EA	48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee .....	72.76
02 83 19 13-0006	EA	24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee .....	101.87
02 83 19 13-0007	EA	5 Day Turnaround Total Threshold Leaching Concentration (TTL) Lead Test And Lab Fee .....	18.92
02 83 19 13-0008	EA	24 Hour Turnaround Total Threshold Leaching Concentration (TTL) Lead Test And Lab Fee .....	29.11
02 83 19 13-0009	EA	8 Hour Turnaround Total Threshold Leaching Concentration (TTL) Lead Test And Lab Fee .....	36.38
02 83 19 13-0010	EA	5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee .....	48.02
02 83 19 13-0011	EA	3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee .....	72.76
02 83 19 13-0012	EA	5 Day Turnaround Lead Wipe Samples And Lab Fee .....	8.00
02 83 19 13-0013	EA	24 Hour Turnaround Lead Wipe Samples And Lab Fee .....	10.91
02 83 19 13-0014	EA	8 Hour Turnaround Lead Wipe Samples And Lab Fee .....	16.01
02 83 19 13-0015	EA	5 Day Turnaround Lead Air Samples And Lab Fee .....	8.00
02 83 19 13-0016	EA	24 Hour Turnaround Lead Air Samples And Lab Fee .....	10.91
02 83 19 13-0017	EA	8 Hour Turnaround Lead Air Samples And Lab Fee .....	16.01
02 83 19 13-0018	EA	5 Day Turnaround Lead Water Test and Lab Fee .....	29.11
02 83 19 13-0019	EA	24 Hour Turnaround Lead Water Test and Lab Fee .....	43.66
02 83 19 13-0020	EA	8 Hour Turnaround Lead Water Test and Lab Fee .....	58.21
02 83 19 13-0021	EA	5 Day Turnaround Lead Paint Chip Test and Lab Fee .....	30.10
02 83 19 13-0022	EA	5 Day Turnaround Lead Soil Test and Lab Fee .....	60.20

02 83 19 13-0023 Minimum Charge For Lead-Based Paint Remediation (02 83 19 13)

02 83 19 13-0024	EA	Lead-Based Paint Remediation Minimum Show Up Charge .....	978.21
		Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.	

02 83 19 13-0025 Chemical Stripping Of Lead Contaminated Material (02 83 19 13)

Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0026	SF	Balustrades, Chemical Stripping Of Lead Contaminated Material .....	30.05
		For 0.025" (25 mil) Application, Add	1.69
		For 0.03" (30 mil) Application, Add	2.65
02 83 19 13-0027	SF	Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material .....	44.60
		For 0.025" (25 mil) Application, Add	2.42
		For 0.03" (30 mil) Application, Add	3.74
02 83 19 13-0028	LF	Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material .....	12.88
		For 0.025" (25 mil) Application, Add	0.76
		For 0.03" (30 mil) Application, Add	1.20
		For 0.125" (125 mil) Application, Add	6.58
02 83 19 13-0029	LF	>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material .....	26.37
		For 0.025" (25 mil) Application, Add	1.43
		For 0.03" (30 mil) Application, Add	2.22
		For 0.125" (125 mil) Application, Add	9.95
02 83 19 13-0030	SF	Cornice, Chemical Stripping Of Lead Contaminated Material .....	13.99
		For 0.025" (25 mil) Application, Add	0.89
		For 0.03" (30 mil) Application, Add	1.45
02 83 19 13-0031	SF	Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material .....	39.75
		For 0.025" (25 mil) Application, Add	2.18
		For 0.03" (30 mil) Application, Add	3.38
02 83 19 13-0032	SF	Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material .....	8.61
		For 0.025" (25 mil) Application, Add	0.58
		For 0.03" (30 mil) Application, Add	0.96
		For 0.125" (125 mil) Application, Add	6.65
02 83 19 13-0033	SF	Cabinets, Chemical Stripping Of Lead Contaminated Material .....	25.12
		For 0.025" (25 mil) Application, Add	1.41
		For 0.03" (30 mil) Application, Add	2.20
02 83 19 13-0034	SF	Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material .....	32.03
		For 0.025" (25 mil) Application, Add	1.75
		For 0.03" (30 mil) Application, Add	2.72
02 83 19 13-0035	SF	Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material .....	11.90
		For 0.025" (25 mil) Application, Add	0.75
		For 0.03" (30 mil) Application, Add	1.21

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
02 83 19 13-0036	SF Columns, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	11.42 0.76 1.26 8.50	
02 83 19 13-0037	SF Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	10.06 0.65 1.07	
02 83 19 13-0038	SF Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	10.50 0.68 1.11	
02 83 19 13-0039	SF Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	18.26 1.10 1.77	
02 83 19 13-0040	EA Electrical Devices, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	52.28 2.91 4.56	
02 83 19 13-0041	LF Door Frames, Chemical Stripping Of Lead Contaminated Material..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	12.93 0.80 1.29	
02 83 19 13-0042	SF Wood Floors, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	7.09 0.50 0.85	
02 83 19 13-0043	SF HVAC Grilles, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	26.85 1.49 2.33	
02 83 19 13-0044	SF HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	32.03 1.75 2.72	
02 83 19 13-0045	EA Hinges, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	16.77 1.06 1.74	
02 83 19 13-0046	EA Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	20.68 1.26 2.03 11.95	
02 83 19 13-0047	LF Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	5.75 0.40 0.67 4.80	
02 83 19 13-0048	LF >2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	9.26 0.58 0.93 5.68	
02 83 19 13-0049	LF >4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	16.58 1.02 1.64 9.79	
02 83 19 13-0050	LF >8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	22.73 1.36 2.19 12.46	
02 83 19 13-0051	LF >12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	40.79 2.38 3.78 20.34	
02 83 19 13-0052	SF >16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	12.19 0.69 1.08 5.45	
02 83 19 13-0053	EA Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	242.68 13.22 20.52	
02 83 19 13-0054	SF Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	16.86 1.27 2.17	
02 83 19 13-0055	SF Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	18.47 1.35 2.29	
02 83 19 13-0056	SF Siding, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	9.64 0.67 1.12 8.05	
02 83 19 13-0057	SF Soffit, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	20.30 1.17 1.84 9.58	
02 83 19 13-0058	SF Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	9.30 0.62 1.02 6.83	
02 83 19 13-0059	SF Corrugated Steel, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	10.57 0.68 1.11 7.14	
02 83 19 13-0060	SF Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	10.54 0.68 1.11 7.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0061	SF		Steel Trusses, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	14.97 0.90 1.44 8.24	
02 83 19 13-0062	SF		Wood Surfaces, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	10.54 0.68 1.11 7.14	
02 83 19 13-0063	SF		Windows, One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	24.38 1.37 2.15	
02 83 19 13-0064	SF		Windows, One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	26.69 1.48 2.32	
02 83 19 13-0065	SF		Windows, One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	28.24 1.56 2.44	
02 83 19 13-0066	SF		Windows, One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	29.81 1.64 2.55	
02 83 19 13-0067	SF		Windows, One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	31.38 1.72 2.67	
02 83 19 13-0068	SF		Windows, One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	33.00 1.80 2.79	
02 83 19 13-0069	SF		Windows, One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	34.52 1.88 2.91	
02 83 19 13-0070	SF		Windows, One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	35.30 1.92 2.97	
02 83 19 13-0071	SF		Windows, One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	36.11 1.96 3.03	
02 83 19 13-0072	SF		Windows, One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	36.86 1.99 3.08	
02 83 19 13-0073	SF		Metal Stairs, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	48.66 2.73 4.29 21.17	
02 83 19 13-0074	LF		Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	8.42 0.53 0.87 5.47	
02 83 19 13-0075	SF		Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material ..... <i>Note: The unit of measure "SF" is measured for "Length x Height". Work includes both sides of railing.</i> <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	24.71 1.46 2.33 12.96	
02 83 19 13-0076	SF		Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material ..... <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	27.04 1.54 2.43 12.40	
<b>02 83 19 13-0077</b>			<b>Demolish Lead Contaminated Material</b> (02 83 19 13) <i>Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not limited to, chromium, cadmium and mercury.</i>		
02 83 19 13-0078	SF		Demolish Ceiling Suspension System, Lead Contaminated Material .....	2.14	
02 83 19 13-0079	SF		Demolish Suspended Ceiling System And Tile, Lead Contaminated Material .....	1.25	
02 83 19 13-0080	SF		Demolish Acoustical Ceiling Tile, Lead Contaminated Material .....	0.79	
02 83 19 13-0081	SF		Demolish Metal Pan Grid System, Lead Contaminated Material .....	1.24	
02 83 19 13-0082	EA		Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material .....	59.83	
02 83 19 13-0083	EA		Demolish >2' x 4' Light Fixtures, Lead Contaminated Material .....	79.38	
02 83 19 13-0084	SF		Demolish Non Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material .....	8.86	
02 83 19 13-0085	SF		Demolish Non Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material .....	4.96	
02 83 19 13-0086	SF		Demolish Brick, Lead Contaminated Material .....	3.74	
02 83 19 13-0087	SF		Demolish Concrete Block, Lead Contaminated Material .....	4.81	
02 83 19 13-0088	SF		Demolish Tile, Lead Contaminated Material .....	3.62	
02 83 19 13-0089	SF		Demolish Up To 6" Concrete, Lead Contaminated Material .....	5.45	
02 83 19 13-0090	IN		Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth .....	4.22	
02 83 19 13-0091	IN		Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth .....	5.62	
02 83 19 13-0092	LF		Demolish Wood Balustrades And Railings, Lead Contaminated Material .....	6.21	
02 83 19 13-0093	LF		Demolish Up To 6" Wide Baseboard, Lead Contaminated Material .....	1.62	
02 83 19 13-0094	LF		Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material .....	2.02	
02 83 19 13-0095	LF		Demolish Base Shoe Molding, Lead Contaminated Material .....	1.31	
02 83 19 13-0096	SF		Demolish Concrete, Lead Contaminated Material .....	12.34	
02 83 19 13-0097	LF		Demolish Cabinets, Lead Contaminated Material .....	28.76	
02 83 19 13-0098	SF		Demolish Ceilings, Gypsum Board, Lead Contaminated Material .....	1.63	
02 83 19 13-0099	SF		Demolish Up To 12" Diameter Columns, Lead Contaminated Material .....	15.92	
02 83 19 13-0100	SF		Demolish Cornice, Lead Contaminated Material .....	2.12	
02 83 19 13-0101	EA		Demolish Doors, Lead Contaminated Material .....	62.37	
02 83 19 13-0102	LF		Demolish Door And Window Trim Or Frames, Lead Contaminated Material .....	1.90	
02 83 19 13-0103	EA		Demolish Electrical Devices, Lead Contaminated Material .....	19.13	
02 83 19 13-0104	LF		Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material .....	2.46	
02 83 19 13-0105	LF		Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material .....	4.09	

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

02 83 19 13-0106	SF	Demolish Wood Floors, Lead Contaminated Material	2.95
02 83 19 13-0107	SF	Demolish Grilles, Lead Contaminated Material	3.46
02 83 19 13-0108	EA	Demolish Hinges, Lead Contaminated Material	6.96
02 83 19 13-0109	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	14.95
02 83 19 13-0110	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material	6.12
02 83 19 13-0111	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material	8.94
02 83 19 13-0112	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material	13.51
02 83 19 13-0113	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material	24.92
02 83 19 13-0114	EA	Demolish Radiators, Lead Contaminated Material	107.65
02 83 19 13-0115	EA	Demolish Shutters, Lead Contaminated Material	41.95
02 83 19 13-0116	SF	Demolish Siding, Lead Contaminated Material	1.66
02 83 19 13-0117	SF	Demolish Soffit, Lead Contaminated Material	1.42
02 83 19 13-0118	SF	Demolish Flat Steel Surfaces, Lead Contaminated Material	3.88
02 83 19 13-0119	SF	Demolish Steel Beams, Lead Contaminated Material	4.57
02 83 19 13-0120	SF	Demolish Trusses, Lead Contaminated Material	5.99
02 83 19 13-0121	SF	Demolish Walls, Wood, Lead Contaminated Material	4.43
02 83 19 13-0122	SF	Demolish Windows, Lead Contaminated Material	14.90
02 83 19 13-0123	SF	Demolish Metal Stair, Lead Contaminated Material	7.13
02 83 19 13-0124	LF	Demolish Single Metal Hand Rail, Lead Contaminated Material	5.23
02 83 19 13-0125	LF	Demolish Metal Railing And Posts, Lead Contaminated Material	8.55
02 83 19 13-0126	SF	Demolish Metal Picket Fence, Lead Contaminated Material	2.35
02 83 19 13-0127	SF	Demolish Plywood, Lead Contaminated Material	6.44
02 83 19 13-0128	SF	Demolish Planks (Various Sizes), Lead Contaminated Material	3.15
02 83 19 13-0129	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material	19.64
02 83 19 13-0130	SF	Demolish Ceramic Tile Block, Lead Contaminated Material	4.29
02 83 19 13-0131	LF	Demolish Metal Guard Rails, Lead Contaminated Material	11.79
02 83 19 13-0132	SF	Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material	6.28
02 83 19 13-0133	SF	Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material	4.51
02 83 19 13-0134	SF	Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material	3.54
02 83 19 13-0135	SF	Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material	2.75
02 83 19 13-0136	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material	19.64
02 83 19 13-0137	SF	Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material	13.97
02 83 19 13-0138	SF	Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material	10.48
02 83 19 13-0139	SF	Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material	7.86
02 83 19 13-0140	LF	Demolish Rain Gutters, Lead Contaminated Material	4.32
02 83 19 13-0141	LF	Demolish Downspouts, Lead Contaminated Material	3.54

**02 83 19 13-0142 Wet Sanding Of Lead Contaminated Material (02 83 19 13)**

02 83 19 13-0143	SF	Wet Sand/Scrape Of Lead Contaminated Material For Prep Before New Paint	1.71
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**02 83 19 13-0144 Lead Abatement Encapsulation (02 83 19 13)**

Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.

02 83 19 13-0145	SF	Balustrades, Lead Abatement Encapsulation	5.33
02 83 19 13-0146	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation	6.22
02 83 19 13-0147	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation	8.38
02 83 19 13-0148	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation	3.39
02 83 19 13-0149	SF	Ornate Cabinets, Lead Abatement Encapsulation	7.76
02 83 19 13-0150	SF	Simple Design Cabinets, Lead Abatement Encapsulation	6.30
02 83 19 13-0151	SF	Drywall Ceilings, Lead Abatement Encapsulation	2.09
02 83 19 13-0152	SF	Wood Ceilings, Lead Abatement Encapsulation	2.56
02 83 19 13-0153	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation	2.37
02 83 19 13-0154	SF	Columns, Lead Abatement Encapsulation	4.11
02 83 19 13-0155	SF	Doors, Lead Abatement Encapsulation	9.13
02 83 19 13-0156	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation	3.50
02 83 19 13-0157	SF	Picket Fence (Brush), Lead Abatement Encapsulation	2.42
02 83 19 13-0158	SF	Wood Floors (Roller), Lead Abatement Encapsulation	2.01
02 83 19 13-0159	SF	Grilles, Vents, Lead Abatement Encapsulation	5.76
02 83 19 13-0160	LF	Gutters And Downspouts, Lead Abatement Encapsulation	5.33
02 83 19 13-0161	EA	Hangers, Lead Abatement Encapsulation	46.08
02 83 19 13-0162	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation	3.23
02 83 19 13-0163	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation	4.60
02 83 19 13-0164	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation	7.10
02 83 19 13-0165	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation	10.47
02 83 19 13-0166	EA	Radiators, Lead Abatement Encapsulation	195.09
02 83 19 13-0167	EA	Up To 6" Shutters, Lead Abatement Encapsulation	168.72
02 83 19 13-0168	SF	Siding, Lead Abatement Encapsulation	2.91
02 83 19 13-0169	SF	Up To 12" Soffit, Lead Abatement Encapsulation	4.11
02 83 19 13-0170	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation	3.39
02 83 19 13-0171	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation	4.46
02 83 19 13-0172	SF	Trusses, Lead Abatement Encapsulation	4.46
02 83 19 13-0173	SF	Drywall Walls, Lead Abatement Encapsulation	1.86
02 83 19 13-0174	SF	Wood Walls, Lead Abatement Encapsulation	2.30
02 83 19 13-0175	EA	Window Without Grille, Lead Abatement Encapsulation	168.52
02 83 19 13-0176	EA	Window With Grille, Lead Abatement Encapsulation	197.98
02 83 19 13-0177	LF	Frames And Trim, Lead Abatement Encapsulation	3.07
02 83 19 13-0178	LF	Steel Lintels, Lead Abatement Encapsulation	3.51

**02 83 33 Removal and Disposal of Material Containing Lead (02 83)****02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)****02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead (02 83 33 13)**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 83 33 13-0002	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent.....	0.25
02 83 33 13-0003	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate.....	0.27
02 83 33 13-0004	SF	High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting.....	1.24

**02 84 Polychlorinated Biphenyl Remediation (02 80)**

**02 84 16 Handling of Lighting Ballasts and Lamps Containing PBCs and Mercury (02 84)**

02 84 16 00-0001		Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures (02 84 16) Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.	
02 84 16 00-0002	EA	Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling .....	7.72

**02 84 16 00-0003 Recycle TSCA-Exempt PCB And Non-PCB Ballasts (02 84 16)**

Note: Non leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.

02 84 16 00-0004	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures .....	1.21
02 84 16 00-0005	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures .....	1.82
02 84 16 00-0006	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures .....	5.66
02 84 16 00-0007	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures .....	12.94

**02 84 16 00-0008 Disposal Of Leaking PCB And Non-PCB Ballasts (02 84 16)**

Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.

02 84 16 00-0009	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	3.03
02 84 16 00-0010	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	4.55
02 84 16 00-0011	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	8.50
02 84 16 00-0012	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures .....	19.42

**02 84 33 Removal and Disposal of Polychlorinated Biphenyls (02 84)**

**02 84 33 00-0001 Removal And Disposal Of Polychlorinated Biphenyls Oil Filled Transformers (02 84 33)**

Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.

02 84 33 00-0002	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Non Polychlorinated Biphenyl (PCB) .....	2,320.90
02 84 33 00-0003	EA	Removal And Disposal Of Transformers 20 KVA, Non Polychlorinated Biphenyl (PCB) .....	3,625.46
02 84 33 00-0004	EA	Removal And Disposal Of Switch, Non Polychlorinated Biphenyl (PCB).....	1,048.87
02 84 33 00-0005	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Polychlorinated Biphenyl (PCB).....	4,311.99
02 84 33 00-0006	EA	Removal And Disposal Of Switch, Polychlorinated Biphenyl (PCB).....	1,822.55
02 84 33 00-0007	EA	Removal And Disposal Of Transformers 20 KVA, Polychlorinated Biphenyl (PCB).....	6,767.20

Note: Includes disposal costs.

**02 87 Bio-Hazard Material Remediation (02 80)**

**02 87 13 Mold Remediation (02 87)**

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0013 for decontamination chambers.

**02 87 13 33 Removal and Disposal of Materials with Mold (02 87 13)**

02 87 13 33-0001		Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal (02 87 13 33) Note: Treat fittings as additional lf of insulation.	
02 87 13 33-0002		Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0001) Note: Diameter is outer size of insulation.	
02 87 13 33-0003		Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002) Note: Excludes encased fittings.	
02 87 13 33-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	606.31
02 87 13 33-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	23.68
02 87 13 33-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	18.01
02 87 13 33-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	13.76
02 87 13 33-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	10.57
02 87 13 33-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	9.32
02 87 13 33-0010		>6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)	
02 87 13 33-0011	SET	Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	666.69
02 87 13 33-0012	LF	>20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	30.09

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST
02 87 13 33-0013	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	23.57
02 87 13 33-0014	LF	>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	18.68
02 87 13 33-0015	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	15.01
02 87 13 33-0016	LF	>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	13.58
02 87 13 33-0017		<b>Thermal Insulation, Mold Abatement And Disposal</b> (02 87 13 33)	
02 87 13 33-0018		<b>Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal</b> (02 87 13 33-0017)	
02 87 13 33-0019	SET	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....	636.50
02 87 13 33-0020	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....	14.03
02 87 13 33-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....	10.78
02 87 13 33-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal .....	8.34
02 87 13 33-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	6.63
02 87 13 33-0024		<b>Surfacing Material, Mold Abatement And Disposal</b> (02 87 13 33) Note: e.g. fireproofing, acoustical plaster, etc.	
02 87 13 33-0025		<b>Stucco, Mold Abatement And Disposal</b> (02 87 13 33-0024) Note: Remove surface coat from brown coat or remove entire assembly, including lath.	
02 87 13 33-0026	SET	Up To 50 SF, Stucco, Mold Abatement And Disposal .....	619.74
02 87 13 33-0027	SF	>50 To 500 SF, Stucco, Mold Abatement And Disposal .....	13.69
02 87 13 33-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal .....	10.44
02 87 13 33-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal .....	8.00
02 87 13 33-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal .....	6.18
02 87 13 33-0031		<b>Acoustical Plaster, Mold Abatement And Disposal</b> (02 87 13 33-0024) Note: Remove surface coat from brown coat or remove entire assembly, including lath.	
02 87 13 33-0032	SET	Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal .....	619.74
02 87 13 33-0033	SF	>50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal .....	13.69
02 87 13 33-0034	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal .....	10.44
02 87 13 33-0035	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal .....	8.00
02 87 13 33-0036	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	6.18
02 87 13 33-0037		<b>Gypsum Board, Mold Abatement And Disposal</b> (02 87 13 33-0024)	
02 87 13 33-0038	SET	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal .....	653.29
02 87 13 33-0039	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal .....	4.89
02 87 13 33-0040	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal .....	3.97
02 87 13 33-0041	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal .....	3.24
02 87 13 33-0042	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal.....	2.51
02 87 13 33-0043		<b>Fireproofing, Mold Abatement And Disposal</b> (02 87 13 33-0024) Note: Exposed surface area, includes associated overspray.	
02 87 13 33-0044	SET	Up To 50 SF, Fireproofing, Mold Abatement And Disposal.....	636.50
02 87 13 33-0045	SF	>50 To 500 SF, Fireproofing, Mold Abatement And Disposal .....	18.96
02 87 13 33-0046	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal .....	14.49
02 87 13 33-0047	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal .....	11.12
02 87 13 33-0048	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal .....	8.59
02 87 13 33-0049		<b>Flooring, Mold Abatement And Disposal</b> (02 87 13 33) Note: Includes cove base.	
02 87 13 33-0050		<b>Floor Tile Or Linoleum, Mold Abatement And Disposal</b> (02 87 13 33-0049)	
02 87 13 33-0051		<b>Floor Tile Or Linoleum, Mold Abatement And Disposal</b> (02 87 13 33-0050) Note: Single layer or first of multiple layers.	
02 87 13 33-0052	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	653.29
02 87 13 33-0053	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal .....	4.86
		For Each Additional Layer, Add .....	1.22
02 87 13 33-0054	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal .....	2.92
		For Each Additional Layer, Add .....	0.73
02 87 13 33-0055	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal .....	1.89
		For Each Additional Layer, Add .....	0.47
02 87 13 33-0056	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	1.58
		For Each Additional Layer, Add .....	0.40
02 87 13 33-0057		<b>Carpet, Mold Abatement And Disposal</b> (02 87 13 33-0049)	
02 87 13 33-0058		<b>Carpet, Glue Down, Mold Abatement And Disposal</b> (02 87 13 33-0057)	
02 87 13 33-0059	SET	Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal .....	653.29
02 87 13 33-0060	SF	>100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal .....	4.12
02 87 13 33-0061	SF	>500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal .....	2.77
02 87 13 33-0062	SF	>2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal .....	2.00
02 87 13 33-0063	SF	>10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal .....	1.64
02 87 13 33-0064		<b>Carpet, Padded With Tack Strips, Mold Abatement And Disposal</b> (02 87 13 33-0057)	
02 87 13 33-0065	SET	Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal .....	653.29
		Note: Includes tack strips.	



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	02 87 13 33-0066	SF >100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal..... Note: Includes tack strips.	4.58	
	02 87 13 33-0067	SF >500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal..... Note: Includes tack strips.	3.46	
	02 87 13 33-0068	SF >2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal..... Note: Includes tack strips.	2.84	
	02 87 13 33-0069	SF >10,000 SF, Carpet And Pad, Mold Abatement And Disposal..... Note: Includes tack strips.	2.30	
	<b>02 87 13 33-0070</b>	<b>Subflooring, Mold Abatement And Disposal (02 87 13 33-0049)</b>		
	02 87 13 33-0071	SET Up To 75 SF, Subflooring, Mold Abatement And Disposal.....	636.50	
	02 87 13 33-0072	SF >75 To 500 SF, Subflooring, Mold Abatement And Disposal.....	5.52	
	02 87 13 33-0073	SF >500 To 2,500 SF, Subflooring, Mold Abatement And Disposal.....	3.70	
	02 87 13 33-0074	SF >2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal.....	2.42	
	02 87 13 33-0075	SF >10,000 SF, Subflooring, Mold Abatement And Disposal.....	1.72	
	<b>02 87 13 33-0076</b>	<b>Siding, Mold Abatement And Disposal (02 87 13 33)</b>		
	<b>02 87 13 33-0077</b>	<b>Interior Paneling, Mold Abatement And Disposal (02 87 13 33-0076)</b> Note: Includes detachment of mounted objects before removal.		
	02 87 13 33-0078	SET Up To 100 SF, Interior Paneling, Mold Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	653.29	
	02 87 13 33-0079	SF >100 To 500 SF, Interior Paneling, Mold Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	4.84	
	02 87 13 33-0080	SF >500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	3.54	
	02 87 13 33-0081	SF >2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	2.27	
	02 87 13 33-0082	SF >10,000 SF, Interior Paneling, Mold Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	1.84	
	<b>02 87 13 33-0083</b>	<b>Exterior Siding, Mold Abatement And Disposal (02 87 13 33-0076)</b>		
	02 87 13 33-0084	SET Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal.....	653.29	
	02 87 13 33-0085	SF >100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal.....	5.90	
	02 87 13 33-0086	SF >500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal.....	4.24	
	02 87 13 33-0087	SF >2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal.....	3.02	
	02 87 13 33-0088	SF >10,000 SF, Exterior Siding Board, Mold Abatement And Disposal.....	2.77	
	<b>02 87 13 33-0089</b>	<b>Contaminated Debris, Mold Abatement And Disposal (02 87 13 33)</b>		
	<b>02 87 13 33-0090</b>	<b>Contaminated Debris, Mold Abatement And Disposal (02 87 13 33-0089)</b>		
	02 87 13 33-0091	SET Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal.....	666.69	
	02 87 13 33-0092	CF >20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal.....	24.29	
	02 87 13 33-0093	CF >100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal.....	17.54	
	02 87 13 33-0094	CF >250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal.....	14.16	
	02 87 13 33-0095	CF >500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal.....	12.13	
	02 87 13 33-0096	CF >2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal.....	8.45	
	02 87 13 33-0097	CF >10,000 CF, Contaminated Debris, Mold Abatement And Disposal.....	8.00	
	<b>02 87 13 33-0098</b>	<b>Other Mold Containing Materials, Mold Abatement And Disposal (02 87 13 33)</b>		
	<b>02 87 13 33-0099</b>	<b>Wood Studs, Mold Abatement And Disposal (02 87 13 33-0098)</b> Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
	02 87 13 33-0100	SET Up To 100 LF, Wood Studs, Mold Abatement And Disposal.....	326.62	
	02 87 13 33-0101	LF >100 To 500 LF, Wood Studs, Mold Abatement And Disposal.....	2.70	
	02 87 13 33-0102	LF >500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal.....	2.07	
	02 87 13 33-0103	LF >2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal.....	1.66	
	02 87 13 33-0104	LF >10,000 LF, Wood Studs, Mold Abatement And Disposal.....	1.32	
	<b>02 87 13 33-0105</b>	<b>Ceiling Tile, Mold Abatement And Disposal (02 87 13 33-0098)</b> Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
	02 87 13 33-0106	SET Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal.....	653.29	
	02 87 13 33-0107	SF >100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal.....	8.00	
	02 87 13 33-0108	SF >1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal.....	4.01	
	02 87 13 33-0109	SF >2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal.....	3.02	
	02 87 13 33-0110	SF >10,000 SF, Ceiling Tile, Mold Abatement And Disposal.....	2.77	
	<b>02 87 13 33-0111</b>	<b>Caulking, Mold Abatement And Disposal (02 87 13 33-0098)</b>		
	02 87 13 33-0112	SET Up To 20 LF, Caulking, Mold Abatement And Disposal.....	147.65	
	02 87 13 33-0113	LF >20 To 50 LF, Caulking, Mold Abatement And Disposal.....	2.99	
	02 87 13 33-0114	LF >50 To 100 LF, Caulking, Mold Abatement And Disposal.....	2.16	
	02 87 13 33-0115	LF >100 To 250 LF, Caulking, Mold Abatement And Disposal.....	1.64	
	02 87 13 33-0116	LF >250 To 1,000 LF, Caulking, Mold Abatement And Disposal.....	1.23	
	02 87 13 33-0117	LF >1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal.....	1.01	
	02 87 13 33-0118	LF >2,500 LF, Caulking, Mold Abatement And Disposal.....	0.88	
	<b>02 87 13 33-0119</b>	<b>Wipe Down Walls, Ceilings And Floors (02 87 13 33-0098)</b>		

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0120	CSF		Wipe Down Floors With Mild Bleach Solution .....	16.30	
			<i>For &gt;25 To 50, Deduct</i> .....	-1.63	
			<i>For &gt;50 To 200, Deduct</i> .....	-4.07	
			<i>For &gt;200, Deduct</i> .....	-6.51	
02 87 13 33-0121	CSF		Wipe Down Walls With Mild Bleach Solution .....	19.17	
			<i>For &gt;25 To 50, Deduct</i> .....	-1.92	
			<i>For &gt;50 To 200, Deduct</i> .....	-4.79	
			<i>For &gt;200, Deduct</i> .....	-7.66	
02 87 13 33-0122	CSF		Wipe Down Ceilings With Mild Bleach Solution .....	21.81	
			<i>For &gt;25 To 50, Deduct</i> .....	-2.18	
			<i>For &gt;50 To 200, Deduct</i> .....	-5.45	
			<i>For &gt;200, Deduct</i> .....	-8.72	
02 87 13 33-0123	CSF		Wipe Down Countertops With Mild Bleach Solution.....	17.79	
			<i>For &gt;25 To 50, Deduct</i> .....	-1.78	
02 87 13 33-0124	CSF		Wipe Down Other Surfaces With Mild Bleach Solution .....	22.56	
			<i>For &gt;25 To 50, Deduct</i> .....	-2.25	
			<i>For &gt;50 To 200, Deduct</i> .....	-5.64	
			<i>For &gt;200, Deduct</i> .....	-9.02	
<b>02 87 13 33-0125</b>			<b>Cabinets</b> (02 87 13 33-0098)		
02 87 13 33-0126	SET		Up To 10 LF, Base Cabinet, Mold Abatement And Disposal.....	802.78	
02 87 13 33-0127	LF		>10 To 20 LF, Base Cabinet, Mold Abatement And Disposal .....	83.79	
02 87 13 33-0128	LF		>20 LF, Base Cabinet, Mold Abatement And Disposal .....	66.24	
02 87 13 33-0129	SET		Up To 10 LF, Wall Cabinet, Mold Abatement And Disposal.....	682.03	
02 87 13 33-0130	LF		>10 To 20 LF, Wall Cabinet, Mold Abatement And Disposal .....	64.70	
02 87 13 33-0131	LF		>20 LF, Wall Cabinet, Mold Abatement And Disposal .....	47.16	
<b>02 87 16</b>			<b>Excrement Removal</b> (02 87)		
			Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.		
<b>02 87 16 13</b>			<b>Bird Excrement Removal</b> (02 87 16)		
<b>02 87 16 13-0001</b>			<b>Bird Waste Removal</b> (02 87 16 13)		
			Note: In addition to items listed the Bio-Hazard Material Remediation note above, tasks include wetting agents and disinfection of contaminated surfaces.		
02 87 16 13-0002	EA		Up To 10 SF Bird Waste Removal, Up To 3" Thickness .....	586.19	
			<i>For Work In Restricted Working Space, Add</i> .....	175.86	
02 87 16 13-0003	SF		>10 To 500 SF Bird Waste Removal, Up To 3" Thickness.....	9.77	
			<i>For Work In Restricted Working Space, Add</i> .....	2.93	
02 87 16 13-0004	SF		>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness.....	8.88	
			<i>For Work In Restricted Working Space, Add</i> .....	2.66	
02 87 16 13-0005	SF		>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness.....	8.07	
			<i>For Work In Restricted Working Space, Add</i> .....	2.42	
02 87 16 13-0006	SF		>10,000 SF Bird Waste Removal, Up To 3" Thickness.....	7.34	
			<i>For Work In Restricted Working Space, Add</i> .....	2.20	
<b>02 87 19</b>			<b>Bio-Hazard and Infectious Disease Control Remediation</b> (02 87)		
<b>02 87 19 00-0001</b>			<b>Temporary Barriers</b> (02 87 19)		
<b>02 87 19 00-0002</b>			<b>Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control</b> (02 87 19 00-0001)		
			Note: Panels are opal or transparent. Panels include self leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.		
02 87 19 00-0003	EA		4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000).....	720.51	
02 87 19 00-0004	EA		3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001).....	684.19	
02 87 19 00-0005	EA		2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002).....	538.88	
02 87 19 00-0006	EA		2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1) .....	623.64	
02 87 19 00-0007	EA		6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005) .....	329.99	
02 87 19 00-0008	EA		12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006) .....	354.21	
02 87 19 00-0009	EA		3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010).....	1,101.95	
			Note: Door panels include a hydraulic closer and a lever style lockset standard.		
02 87 19 00-0010	EA		4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003).....	1,223.04	
			Note: Door panels include a hydraulic closer and a lever style lockset standard.		
02 87 19 00-0011	EA		4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) .....	1,465.22	
			Note: Door panels include a hydraulic closer and a lever style lockset standard.		
02 87 19 00-0012	EA		7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004) .....	244.47	
02 87 19 00-0013	EA		7'-8" To 10' High, Outside Corner Post (Edge Guard 4007).....	202.09	
02 87 19 00-0014	EA		7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009).....	202.09	
02 87 19 00-0015	EA		Closure Strips (Edge Guard 3003).....	14.19	
			Note: To seal panels to existing walls		
02 87 19 00-0016	EA		Digital Differential Pressure Gauge Kit (Edge Guard 3005).....	338.11	
<b>02 87 19 00-0017</b>			<b>Temporary Sheeting For Bio-Hazard And Infectious Disease Control</b> (02 87 19 00-0001)		
			Note: Includes removal and disposal in approved landfill after use.		
02 87 19 00-0018	SF		6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control.....	0.49	
02 87 19 00-0019	SF		6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control.....	0.64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0020 SF 6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control.....	0.87	
02 87 19 00-0021 SF 6 Mil Plastic Fire Retardant, Anti Static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control .....	0.56	
02 87 19 00-0022 SF 6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control .....	0.71	
02 87 19 00-0023 SF 6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control .....	0.94	
<b>02 87 19 00-0024 Temporary Floor Protection For Bio-Hazard And Infectious Disease Control</b> <small>(02 87 19 00-0001)</small> Note: Includes removal after use.		
02 87 19 00-0025 SF Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	1.86	
02 87 19 00-0026 SF 1/2" Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control .....	2.67	
02 87 19 00-0027 SF 3/4" Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control .....	3.26	
<b>02 87 19 00-0028 Temporary Stud Wall For Bio-Hazard And Infectious Disease Control</b> <small>(02 87 19 00-0001)</small> Note: Includes removal after use.		
02 87 19 00-0029 SF 1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control .....	6.25	
02 87 19 00-0030 SF 1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	8.33	
02 87 19 00-0031 SF 5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control .....	6.37	
02 87 19 00-0032 SF 5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control .....	8.57	
02 87 19 00-0033 SF 6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control .....	3.97	
<b>02 87 19 00-0034 Isolation Barriers For Bio-Hazard And Infectious Disease Control</b> <small>(02 87 19 00-0001)</small>		
02 87 19 00-0035 GSF Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control .....	21.04	
<small>Note: Includes support frame of 2x4s or PVC piping (ground SF) up to 6' to construct stand-alone tents (floor, walls and ceiling) with airlock.</small>		
02 87 19 00-0036 GSF Relocate Tent Construction To Different Area .....	2.56	
<b>02 87 19 00-0037 Plexiglass Barriers For Bio-Hazard And Infectious Disease Control</b> <small>(02 87 19 00-0001)</small>		
02 87 19 00-0038 SF 3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control .....	19.88	
02 87 19 00-0039 SF 1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control .....	23.61	
02 87 19 00-0040 SF 3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control .....	33.42	
02 87 19 00-0041 PR Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control .....	1,049.61	
<small>Note: Excludes gloves.</small>		
02 87 19 00-0042 PR Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control .....	375.66	
<small>Note: For installation in glove iris port.</small>		
02 87 19 00-0043 PR Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control .....	594.56	
<small>Note: For installation in glove iris port.</small>		
02 87 19 00-0044 EA 5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease.....	116.31	
<small>Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).</small>		
<b>02 87 19 00-0045 Temporary Portable And Mobile Trailers</b> <small>(02 87 19)</small>		
<b>02 87 19 00-0046 Trailer Delivery</b> <small>(02 87 19 00-0045)</small>		
02 87 19 00-0047 EA Deliver Trailer Within 25 Miles .....	1,031.60	
<b>02 87 19 00-0048 Portable And Mobile Trailers, Purchase</b> <small>(02 87 19 00-0045)</small> Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
02 87 19 00-0049 EA 8' x 24' Mobile Trailer With Toilet, Purchase .....	9,046.19	
<small>For Tie-Downs, Add</small>		
	89.67	
02 87 19 00-0050 EA 8' x 32' Mobile Trailer With Toilet, Purchase .....	12,776.68	
<small>For Tie-Downs, Add</small>		
	89.67	
02 87 19 00-0051 EA 10' x 36' Mobile Trailer With Toilet, Purchase .....	18,223.08	
<small>For Tie-Downs, Add</small>		
	89.67	
02 87 19 00-0052 EA 10' x 44' Mobile Trailer With Toilet, Purchase .....	22,764.96	
<small>For Tie-Downs, Add</small>		
	89.67	
02 87 19 00-0053 EA 10' x 50' Mobile Trailer With Toilet, Purchase .....	25,879.49	
<small>For Tie-Downs, Add</small>		
	89.67	
02 87 19 00-0054 EA 12' x 50' Mobile Trailer With Toilet, Purchase .....	27,211.60	
<small>For Tie-Downs, Add</small>		
	89.67	
02 87 19 00-0055 EA 12' x 60' Mobile Trailer With Toilet, Purchase .....	30,277.98	
<small>For Tie-Downs, Add</small>		
	89.67	
<b>02 87 19 00-0056 Accessories For Portable And Mobile Trailers</b> <small>(02 87 19 00-0045)</small>		
<b>02 87 19 00-0057 Skirting</b> <small>(02 87 19 00-0056)</small> Note: Includes 2" x 4" wood framing 16" on center.		
02 87 19 00-0058 SF 1'-8" High Vinyl Covered Skirt .....	4.27	1.80
02 87 19 00-0059 SF 3' High Vinyl Covered Skirt .....	6.36	2.96

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0060			<b>Aluminum Modular Access Ramp</b> (02 87 19 00-0056) Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
02 87 19 00-0061	EA		Up To 35" High, Aluminum Modular Access Ramp.....	2,651.44	34.33
02 87 19 00-0062			<b>Aluminum Modular Stairs</b> (02 87 19 00-0056) Note: Excludes earthwork		
02 87 19 00-0063	EA		Aluminum Steps For Mobile Trailers .....	738.57	
02 87 19 00-0064			<b>Decontamination Chambers For Bio-Hazard And Infectious Disease Control</b> (02 87 19) Note: Includes removal after use.		
02 87 19 00-0065	EA		Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control.....	760.31	
			Note: Includes connection to negative air system.		
02 87 19 00-0066	EA		Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control.....	897.58	
			Note: Includes connection to negative air system.		
02 87 19 00-0067	EA		Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control.....	476.01	
			Note: Includes connection to negative air system.		
02 87 19 00-0068			<b>Bio-Hazard And Infectious Disease Control Cleaning, Level 2</b> (02 87 19) Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0138 for disposal of material into approved landfill.		
02 87 19 00-0069			<b>Bio-Hazard And Infectious Disease Control Cleaning Mobilization</b> (02 87 19 00-0068)		
02 87 19 00-0070	EA		Bio-Hazard And Infectious Disease Control Mobilization And Set-Up.....	336.50	
			Note: Mobilization and set-up minimum for each site location.		
02 87 19 00-0071			<b>Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces</b> (02 87 19 00-0068) Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces		
02 87 19 00-0072	CSF		Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....	24.95	
			For >25 To 50, Deduct	-2.49	
			For >50 To 200, Deduct	-4.98	
			For >200, Deduct	-7.48	
			For Cleaning Surfaces With Goldshield® GS5, Add	10.08	
			For Level 1 Biohazard Cleaning, Deduct	-4.98	
			For Level 3 Biohazard Cleaning, Add	8.22	
02 87 19 00-0073	CSF		Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	29.35	
			For >25 To 50, Deduct	-2.93	
			For >50 To 200, Deduct	-5.86	
			For >200, Deduct	-8.80	
			For Cleaning Surfaces With Goldshield® GS5, Add	10.08	
			For Level 1 Biohazard Cleaning, Deduct	-5.86	
			For Level 3 Biohazard Cleaning, Add	9.68	
02 87 19 00-0074	CSF		Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	33.39	
			For >25 To 50, Deduct	-3.34	
			For >50 To 200, Deduct	-6.67	
			For >200, Deduct	-10.01	
			For Cleaning Surfaces With Goldshield® GS5, Add	10.08	
			For Level 1 Biohazard Cleaning, Deduct	-6.67	
			For Level 3 Biohazard Cleaning, Add	11.01	
02 87 19 00-0075	CSF		Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....	27.22	
			For Cleaning Surfaces With Goldshield® GS5, Add	10.08	
			For >5 To 10, Deduct	-1.36	
			For >10 To 50, Deduct	-2.72	
			For >50, Deduct	-5.44	
			For Level 1 Biohazard Cleaning, Deduct	-5.44	
			For Level 3 Biohazard Cleaning, Add	8.97	
02 87 19 00-0076	CSF		Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....	34.54	
			For >25 To 50, Deduct	-3.45	
			For >50 To 200, Deduct	-6.90	
			For >200, Deduct	-10.35	
			For Cleaning Surfaces With Goldshield® GS5, Add	10.08	
			For Level 1 Biohazard Cleaning, Deduct	-6.90	
			For Level 3 Biohazard Cleaning, Add	11.39	
02 87 19 00-0077			<b>Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials</b> (02 87 19 00-0068) Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect		
02 87 19 00-0078	EA		Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	64.49	
			For Level 1 Biohazard Cleaning, Deduct	-12.89	
			For Level 3 Biohazard Cleaning, Add	21.27	
			For Cleaning Surfaces With Goldshield® GS5, Add	5.04	
02 87 19 00-0079	EA		Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....	29.60	
			For Level 1 Biohazard Cleaning, Deduct	-5.91	
			For Level 3 Biohazard Cleaning, Add	9.76	
			For Cleaning Surfaces With Goldshield® GS5, Add	3.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 87 19 00-0080	EA		Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	103.88	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-20.77	
			<i>For Level 3 Biohazard Cleaning, Add</i>	34.27	
			<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>	5.04	
02 87 19 00-0081	EA		Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	6.41	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-1.28	
			<i>For Level 3 Biohazard Cleaning, Add</i>	2.11	
			<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>	1.01	
02 87 19 00-0082	EA		Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up .....	95.76	
			Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers		
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-19.15	
			<i>For Level 3 Biohazard Cleaning, Add</i>	31.59	
			<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>	5.04	
02 87 19 00-0083	EA		Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up .....	10.24	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-2.04	
			<i>For Level 3 Biohazard Cleaning, Add</i>	3.37	
			<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>	1.01	

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

02 87 19 00-0085	LF		Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning.....	3.76	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-0.75	
			<i>For Level 3 Biohazard Cleaning, Add</i>	1.23	
02 87 19 00-0086	LF		>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning.....	4.71	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-0.93	
			<i>For Level 3 Biohazard Cleaning, Add</i>	1.54	
02 87 19 00-0087	LF		>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning.....	6.32	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-1.25	
			<i>For Level 3 Biohazard Cleaning, Add</i>	2.06	
02 87 19 00-0088	LF		>8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning.....	8.93	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-1.75	
			<i>For Level 3 Biohazard Cleaning, Add</i>	2.89	
02 87 19 00-0089	EA		Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning.....	168.27	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-33.65	
			<i>For Level 3 Biohazard Cleaning, Add</i>	55.52	
02 87 19 00-0090	SF		Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning.....	11.72	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-2.34	
			<i>For Level 3 Biohazard Cleaning, Add</i>	3.86	
02 87 19 00-0091	EA		Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning.....	112.19	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-22.43	
			<i>For Level 3 Biohazard Cleaning, Add</i>	37.01	
02 87 19 00-0092	EA		Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning.....	336.53	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-67.30	
			<i>For Level 3 Biohazard Cleaning, Add</i>	111.05	
02 87 19 00-0093	EA		Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning.....	28.08	
			Note: Includes removal and reinstallation.		
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-5.61	
			<i>For Level 3 Biohazard Cleaning, Add</i>	9.26	
02 87 19 00-0094	SF		Apply Sporicidin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning .....	0.49	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-0.09	
			<i>For Level 3 Biohazard Cleaning, Add</i>	0.15	
02 87 19 00-0095	SF		Apply Goldshield® GS5 Antimicrobial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning.....	0.55	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-0.09	
			<i>For Level 3 Biohazard Cleaning, Add</i>	0.15	

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

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

02 87 19 00-0097	DAY		Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up.....	137.11	
02 87 19 00-0098	WK		Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up.....	583.97	
02 87 19 00-0099	MO		Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up.....	1,635.12	
02 87 19 00-0100	DAY		Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up.....	108.07	
02 87 19 00-0101	WK		Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up.....	297.20	
02 87 19 00-0102	MO		Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up.....	810.55	
02 87 19 00-0103	DAY		Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up .....	34.09	
02 87 19 00-0104	WK		Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up .....	93.75	
02 87 19 00-0105	MO		Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up .....	255.68	
02 87 19 00-0106	DAY		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	81.38	
02 87 19 00-0107	WK		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up .....	334.24	
02 87 19 00-0108	MO		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up .....	1,009.97	
02 87 19 00-0109	EA		High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio-Hazard And Infectious Disease Control Clean-up.....	167.57	
			Note: Required if over 800 hours operation.		

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0110	DAY		20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	339.80	
02 87 19 00-0111	WK		20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	679.60	
02 87 19 00-0112	MO		20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	1,359.20	
02 87 19 00-0113	DAY		20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	453.07	
02 87 19 00-0114	WK		20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	906.14	
02 87 19 00-0115	MO		20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	1,812.27	
02 87 19 00-0116	DAY		20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	678.59	
02 87 19 00-0117	WK		20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	1,357.18	
02 87 19 00-0118	MO		20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	2,714.35	
02 87 19 00-0119	DAY		20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	904.78	
02 87 19 00-0120	WK		20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	1,809.57	
02 87 19 00-0121	MO		20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	3,619.14	
02 87 19 00-0122	DAY		20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	1,130.98	
02 87 19 00-0123	WK		20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	2,261.96	
02 87 19 00-0124	MO		20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	4,523.92	
02 87 19 00-0125	EA		Set-Up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	102.23	
			Note: Includes staking down tent.		
02 87 19 00-0126	EA		Set-Up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	204.46	
			Note: Includes staking down tent.		
02 87 19 00-0127	EA		Set-Up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	613.38	
			Note: Includes staking down tent.		
02 87 19 00-0128	EA		Set-Up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	1,226.75	
			Note: Includes staking down tent.		
02 87 19 00-0129	EA		Set-Up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	2,044.58	
			Note: Includes staking down tent.		
02 87 19 00-0130	DAY		Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up .....	74.30	
02 87 19 00-0131	WK		Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up .....	204.33	
02 87 19 00-0132	MO		Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up .....	557.27	
<b>02 87 19 00-0133</b>			<b>Bio-Hazard And Infectious Disease Control Hauling By Truck</b> <small>(02 87 19)</small>		
			Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.		
02 87 19 00-0134	EA		Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up .....	94.69	
			Note: Each first 15 miles per trip		
			For Each Additional Mile Over First 15 Miles, Add Per Mile	1.18	
02 87 19 00-0135	EA		Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Clean Up .....	140.80	
			Note: Each first 15 miles per trip		
			For Each Additional Mile Over First 15 Miles, Add Per Mile	1.76	
02 87 19 00-0136	EA		Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up .....	146.65	
			Note: Each first 15 miles per trip		
			For Each Additional Mile Over First 15 Miles, Add Per Mile	1.83	
02 87 19 00-0137	EA		Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up .....	158.64	
			Note: Each first 15 miles per trip		
			For Each Additional Mile Over First 15 Miles, Add Per Mile	1.98	
<b>02 87 19 00-0138</b>			<b>Bio-Hazard And Infectious Disease Control Disposal</b> <small>(02 87 19)</small>		
			Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0139	CY		Bio-Hazard And Infectious Disease Control Landfill Dump Fee .....	108.68	
<b>02 87 19 00-0140</b>			<b>BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters</b> <small>(02 87 19)</small>		
			Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.		
02 87 19 00-0141	EA		20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P) .....	31,578.11	
02 87 19 00-0142	EA		7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST) .....	3,035.71	
02 87 19 00-0143	EA		Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04) .....	5,022.88	
02 87 19 00-0144	SF		Sub Flooring For Medical Shelter (AKS-AB846) .....	4.72	
02 87 19 00-0145	EA		Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5) .....	1,378.67	
02 87 19 00-0146	EA		Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5) .....	22,580.97	
02 87 19 00-0147	EA		3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915) .....	787.07	
02 87 19 00-0148	EA		Negative Pressure Isolation (NPI) System (AK-NPIS-5) .....	35,542.08	
			Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case		
02 87 19 00-0149	EA		6' Step Ladder (AKS-AC595) .....	215.66	
02 87 19 00-0150	EA		10 Lbs Sledgehammer (AKS-AA268) .....	64.54	
<b>02 87 19 00-0151</b>			<b>Bio-Hazard And Infectious Disease Time And Material Tasks</b> <small>(02 87 19)</small>		
			Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
<b>02 87 19 00-0152</b>			<b>Bio-Hazard And Infectious Disease Control Labor</b> <small>(02 87 19 00-0151)</small>		
			Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0153	HR		General Laborer For Bio-Hazard And Infectious Disease Control Clean Up .....	89.75	
02 87 19 00-0154	HR		Skilled Tradesman For Bio-Hazard And Infectious Disease Control Clean Up .....	124.32	
02 87 19 00-0155	HR		Biohazard Technician For Bio-Hazard And Infectious Disease Control Clean Up .....	101.25	
02 87 19 00-0156	HR		Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Clean Up .....	121.74	
02 87 19 00-0157	HR		Project Manager For Bio-Hazard And Infectious Disease Control Clean Up .....	133.89	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**02 87 19 00-0158**

**Bio-Hazard And Infectious Control Clean Up Personal Protection**

**Equipment** (02 87 19 00-0151)

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

02 87 19 00-0159	EA	Tyvek Coveralls For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....		11.29	
02 87 19 00-0160	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....		18.47	
02 87 19 00-0161	PR	Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....		11.97	
02 87 19 00-0162	EA	Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....		87.10	
02 87 19 00-0163	EA	Cartridge - Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....		39.43	
02 87 19 00-0164	EA	Full Face Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....		265.73	
		Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension			
02 87 19 00-0165	EA	14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....		36.33	
		Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010			
02 87 19 00-0166	EA	19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....		65.99	
		Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.			
02 87 19 00-0167	BOX	Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....		20.45	
02 87 19 00-0168	EA	Gloves - Rubber (Heavy Duty) For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....		17.47	
02 87 19 00-0169	EA	Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....		1,776.21	
		Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75 Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (Afl), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly			

**02 87 19 00-0170**

**Bio-Hazard And Infectious Disease Control Expendables** (02 87 19 00-0151)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0033 for temporary walls.

02 87 19 00-0171	GAL	Bleach For Bio-Hazard And Infectious Disease Control Clean-up .....		11.00	
02 87 19 00-0172	EA	N95 Masks For Bio-Hazard And Infectious Disease Control Clean-up .....		2.92	
02 87 19 00-0173	GAL	Disinfectant/Antimicrobial For Bio-Hazard And Infectious Disease Control Clean Up.....		107.77	
02 87 19 00-0174	GAL	Goldshield® G55 Antimicrobial Concentrate For Bio-Hazard And Infectious Disease Control Clean-up.....		242.03	
		Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days			
02 87 19 00-0175	QT	Hand Sanitizer For Bio-Hazard And Infectious Disease Control Clean-up.....		11.42	
02 87 19 00-0176	EA	Sponges - Dry For Bio-Hazard And Infectious Disease Control Clean-up .....		5.38	
02 87 19 00-0177	ROL	Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Clean-up.....		14.03	
02 87 19 00-0178	EA	UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Clean-up.....		52.88	
02 87 19 00-0179	ROL	Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Clean-up.....		56.53	
02 87 19 00-0180	LB	Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Clean-up .....		8.33	
02 87 19 00-0181	EA	Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Clean-up.....		16.83	
02 87 19 00-0182	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Clean Up.....		174.03	

**02 89 Hazmat Ancillary Tasks and Support** (02 80)

**02 89 00 00-0001**

**Barriers And Protection** (02 89)

Note: Includes removal and disposal after use.

**02 89 00 00-0002**

**Isolation Barriers** (02 89 00 00-0001)

See CSI section 01 56 16 00-0033 for temporary stud walls.

**02 89 00 00-0003**

**Hazmat Containment Construction** (02 89 00 00-0001)

02 89 00 00-0004	SF	4 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction .....		0.33
02 89 00 00-0005	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction .....		0.35
02 89 00 00-0006	SF	4 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction .....		0.43
02 89 00 00-0007	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction .....		0.47
02 89 00 00-0008	SF	4 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction .....		0.57
02 89 00 00-0009	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction .....		0.62
02 89 00 00-0010	SF	6 Mil Plastic Fire Retardant, Anti Static Sheeting, Applied To Floors, Hazmat Containment Construction .....		0.58
02 89 00 00-0011	SF	6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction.....		0.74
02 89 00 00-0012	SF	6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction.....		0.97

**02 89 00 00-0013**

**Decontamination Chambers** (02 89)

Note: Includes removal after use.

02 89 00 00-0014	EA	3 Stage Portable Personnel Decontamination Wash Facility .....		768.42	
		Note: Includes connection to negative air system.			
02 89 00 00-0015	EA	5 Stage Portable Personnel Decontamination Wash Facility .....		907.31	
		Note: Includes connection to negative air system.			
02 89 00 00-0016	EA	Portable Waste Decontamination Unit .....		482.49	
		Note: Includes connection to negative air system.			

*For Dismantling And Relocation To A Different Area, Add*

328.19

**02 90 Disaster Recovery** (02)

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from

**02 Existing Conditions****02 90 Disaster Recovery****02 89 Hazmat Ancillary Tasks and Support**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

**02 90 50 Cleaning and Emergency Clean-up (02 90)**

<b>02 90 50 00-0001</b>	<b>Non-Mold Contaminated Wet Material Removal (02 90 50)</b>	
	Note: For materials that do not require mold abatement.	
02 90 50 00-0002	SY Wet Broadloom Carpet Removal For Emergency Clean-up.....	8.01
02 90 50 00-0003	SY Wet Carpet Tile Removal For Emergency Clean-up.....	1.95
02 90 50 00-0004	SF Wet Batt Insulation Removal For Emergency Clean-up.....	0.16
02 90 50 00-0005	SF Wet Ceiling Tile Removal For Emergency Clean-up.....	0.19
02 90 50 00-0006	SF Single Layer, Wet Gypsum Board Removal For Emergency Clean-up.....	0.19
02 90 50 00-0007	SF Double Layer, Wet Gypsum Board Removal For Emergency Clean-up.....	0.30
<b>02 90 50 00-0008</b>	<b>Cleaning (02 90 50)</b>	
	Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required	
<b>02 90 50 00-0009</b>	<b>Clean Furnishings (02 90 50 00-0008)</b>	
02 90 50 00-0010	EA Office Equipment, Exterior Wipe For Emergency Clean-up.....	27.80
	For Medium Clean, Add	11.68
	For Heavy Clean, Add	36.14
02 90 50 00-0011	SF Bookcase (Per SF Of Face Area), Light Clean For Emergency Clean-up.....	1.55
	For Medium Clean, Add	0.65
	For Heavy Clean, Add	2.02
02 90 50 00-0012	LF Shelving, Light Clean For Emergency Clean-up.....	2.78
	For Medium Clean, Add	1.17
	For Heavy Clean, Add	3.61
02 90 50 00-0013	EA Plastic Or Metal Chair, Light Clean For Emergency Clean-up.....	8.03
	For Medium Clean, Add	3.37
	For Heavy Clean, Add	10.44
02 90 50 00-0014	EA Upholstered Chair, Light Clean For Emergency Clean-up.....	25.95
	For Medium Clean, Add	10.90
	For Heavy Clean, Add	33.74
02 90 50 00-0015	EA Upholstered Sofa, Light Clean For Emergency Clean-up.....	159.98
	For Medium Clean, Add	67.19
	For Heavy Clean, Add	207.97
02 90 50 00-0016	EA Desk, Light Clean For Emergency Clean-up.....	32.74
	For Medium Clean, Add	13.75
	For Heavy Clean, Add	42.56
02 90 50 00-0017	EA Table, Light Clean For Emergency Clean-up.....	30.89
	For Medium Clean, Add	12.97
	For Heavy Clean, Add	40.16
02 90 50 00-0018	EA Two Drawer File Cabinet, Light Clean For Emergency Clean-up.....	6.77
	For Medium Clean, Add	2.84
	For Heavy Clean, Add	8.80
02 90 50 00-0019	EA Four Drawer File Cabinet, Light Clean For Emergency Clean-up.....	8.66
	For Medium Clean, Add	3.64
	For Heavy Clean, Add	11.26
02 90 50 00-0020	LF Base Cabinet, Exterior Wipe, Light Clean For Emergency Clean-up.....	7.11
	For Medium Clean, Add	2.99
	For Heavy Clean, Add	9.24
02 90 50 00-0021	LF Base Cabinet, Exterior And Interior Wipe, Light Clean For Emergency Clean-up.....	13.90
	For Medium Clean, Add	5.84
	For Heavy Clean, Add	18.07
02 90 50 00-0022	LF Wall Cabinet, Exterior Wipe, Light Clean For Emergency Clean-up.....	7.11
	For Medium Clean, Add	2.99
	For Heavy Clean, Add	9.24
02 90 50 00-0023	LF Wall Cabinet, Exterior And Interior Wipe, Light Clean For Emergency Clean-up.....	12.35
	For Medium Clean, Add	5.19
	For Heavy Clean, Add	16.06
02 90 50 00-0024	EA Picture Frame, Glass And Back, Light Clean For Emergency Clean-up.....	2.96
	For Medium Clean, Add	1.24
	For Heavy Clean, Add	3.85
<b>02 90 50 00-0025</b>	<b>Clean Hard Surfaces (02 90 50 00-0008)</b>	
02 90 50 00-0026	LF Wood, Vinyl Or Rubber Baseboard, Light Clean For Emergency Clean-up.....	0.40
	For Medium Clean, Add	0.17
	For Heavy Clean, Add	0.52
02 90 50 00-0027	EA Door And Hardware (Per Side), Light Clean For Emergency Clean-up.....	5.25
	For Medium Clean, Add	2.21
	For Heavy Clean, Add	6.83
02 90 50 00-0028	EA Detailed Door And Hardware (Per Side), Light Clean For Emergency Clean-up.....	5.95
	For Medium Clean, Add	2.50
	For Heavy Clean, Add	7.74
02 90 50 00-0029	SF Overhead Door, Light Clean For Emergency Clean-up.....	0.42
	For Medium Clean, Add	0.18
	For Heavy Clean, Add	0.55
02 90 50 00-0030	SF Mirror, Light Clean For Emergency Clean-up.....	0.31
	For Medium Clean, Add	0.13
	For Heavy Clean, Add	0.40
02 90 50 00-0031	SF Window, Light Clean For Emergency Clean-up.....	0.91
	For Medium Clean, Add	0.38
	For Heavy Clean, Add	1.18
02 90 50 00-0032	LF Handrail, Light Clean For Emergency Clean-up.....	0.81
	For Medium Clean, Add	0.34
	For Heavy Clean, Add	1.05



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0033	LF		Bumper Rail, Light Clean For Emergency Clean-up .....0.44 <i>For Medium Clean, Add</i> 0.18 <i>For Heavy Clean, Add</i> 0.57		
02 90 50 00-0034	SF		Hard Floor, Light Clean For Emergency Clean-up .....0.36 <i>For Medium Clean, Add</i> 0.15 <i>For Heavy Clean, Add</i> 0.47		
02 90 50 00-0035	SF		Carpet, Light Clean For Emergency Clean-up .....0.37 <i>For Medium Clean, Add</i> 0.16 <i>For Heavy Clean, Add</i> 0.48		
02 90 50 00-0036	SF		Hard Ceiling, Light Clean For Emergency Clean-up .....0.28 <i>For Medium Clean, Add</i> 0.12 <i>For Heavy Clean, Add</i> 0.36		
02 90 50 00-0037	SF		Suspended Ceiling, Tile And Grid, Light Clean For Emergency Clean-up .....0.31 <i>For Medium Clean, Add</i> 0.13 <i>For Heavy Clean, Add</i> 0.40		
02 90 50 00-0038	SF		Ceramic Tile Wall, Light Clean For Emergency Clean-up .....0.26 <i>For Medium Clean, Add</i> 0.11 <i>For Heavy Clean, Add</i> 0.34		
02 90 50 00-0039	SF		Wall, Light Clean For Emergency Clean-up .....0.19 <i>For Medium Clean, Add</i> 0.08 <i>For Heavy Clean, Add</i> 0.25		
02 90 50 00-0040	SF		Masonry Wall, Light Clean For Emergency Clean-up .....0.26 <i>For Medium Clean, Add</i> 0.11 <i>For Heavy Clean, Add</i> 0.34		
02 90 50 00-0041	EA		Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Emergency Clean-up .....65.15 Note: Includes removal from site, cleaning, and return. <i>For Medium Clean, Add</i> 27.36 <i>For Heavy Clean, Add</i> 84.70		
02 90 50 00-0042	EA		>24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Emergency Clean-up .....81.43 Note: Includes removal from site, cleaning, and return. <i>For Medium Clean, Add</i> 34.20 <i>For Heavy Clean, Add</i> 105.86		
02 90 50 00-0043	EA		>96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Emergency Clean-up .....97.71 Note: Includes removal from site, cleaning, and return. <i>For Medium Clean, Add</i> 41.04 <i>For Heavy Clean, Add</i> 127.02		
02 90 50 00-0044	EA		>140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Emergency Clean-up .....114.00 <i>For Medium Clean, Add</i> 47.88 <i>For Heavy Clean, Add</i> 148.20		
<b>02 90 50 00-0045 Clean Window Treatments (02 90 50 00-0008)</b>					
02 90 50 00-0046	SF		Window Blind, Light Clean For Emergency Clean-up .....0.71 <i>For Medium Clean, Add</i> 0.30 <i>For Heavy Clean, Add</i> 0.92		
02 90 50 00-0047	EA		Up To 6' Long Drapery (Per Pleat), Light Clean For Emergency Clean-up .....1.45 <i>For Medium Clean, Add</i> 0.61 <i>For Heavy Clean, Add</i> 1.89		
02 90 50 00-0048	EA		Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Emergency Clean-up .....1.67 <i>For Medium Clean, Add</i> 0.70 <i>For Heavy Clean, Add</i> 2.17		
02 90 50 00-0049	EA		>6' To 8' Drapery (Per Pleat), Light Clean For Emergency Clean-up .....1.52 <i>For Medium Clean, Add</i> 0.64 <i>For Heavy Clean, Add</i> 1.98		
02 90 50 00-0050	EA		>6' To 8' Lined Drapery (Per Pleat), Light Clean For Emergency Clean-up .....1.75 <i>For Medium Clean, Add</i> 0.74 <i>For Heavy Clean, Add</i> 2.28		
02 90 50 00-0051	EA		>8' To 10' Drapery (Per Pleat), Light Clean For Emergency Clean-up .....1.86 <i>For Medium Clean, Add</i> 0.78 <i>For Heavy Clean, Add</i> 2.42		
02 90 50 00-0052	EA		>8' To 10' Lined Drapery (Per Pleat), Light Clean For Emergency Clean-up .....2.14 <i>For Medium Clean, Add</i> 0.90 <i>For Heavy Clean, Add</i> 2.78		
<b>02 90 50 00-0053 Clean Appliances (02 90 50 00-0008)</b>					
02 90 50 00-0054	EA		Microwave Oven, Outside, Light Clean For Emergency Clean-up .....12.80 <i>For Medium Clean, Add</i> 5.38 <i>For Heavy Clean, Add</i> 16.64		
02 90 50 00-0055	EA		Refrigerator, Outside, Light Clean For Emergency Clean-up .....30.15 <i>For Medium Clean, Add</i> 12.66 <i>For Heavy Clean, Add</i> 39.20		
02 90 50 00-0056	EA		Range, Outside, Light Clean For Emergency Clean-up .....26.06 <i>For Medium Clean, Add</i> 10.95 <i>For Heavy Clean, Add</i> 33.88		
<b>02 90 50 00-0057 Clean Plumbing (02 90 50 00-0008)</b>					
02 90 50 00-0058	EA		Water Heater, Light Clean For Emergency Clean-up .....18.54 <i>For Medium Clean, Add</i> 7.79 <i>For Heavy Clean, Add</i> 24.10		
02 90 50 00-0059	EA		Plumbing Fixture, Light Clean For Emergency Clean-up .....18.72 <i>For Medium Clean, Add</i> 7.86 <i>For Heavy Clean, Add</i> 24.34		
02 90 50 00-0060	EA		Restroom Accessory, Light Clean For Emergency Clean-up .....8.59 <i>For Medium Clean, Add</i> 3.61 <i>For Heavy Clean, Add</i> 11.17		

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0061			<b>Clean HVAC</b> (02 90 50 00-0008)		
02 90 50 00-0062	LF		Baseboard Heater, Light Clean For Emergency Clean-up .....	5.53	
			For Medium Clean, Add .....	2.32	
			For Heavy Clean, Add .....	7.19	
02 90 50 00-0063	LF		Ductwork, Exterior Wipe, Light Clean For Emergency Clean-up .....	15.45	
			For Medium Clean, Add .....	6.49	
			For Heavy Clean, Add .....	20.09	
02 90 50 00-0064	EA		Ductwork, Interior (Per Grille/Register), Light Clean For Emergency Clean-up .....	59.30	
			For Medium Clean, Add .....	24.91	
			For Heavy Clean, Add .....	77.09	
02 90 50 00-0065	EA		Grille/Register, Light Clean For Emergency Clean-up .....	5.56	
			For Medium Clean, Add .....	2.34	
			For Heavy Clean, Add .....	7.23	
02 90 50 00-0066	EA		Air Handling Unit, Exterior Wipe, Light Clean For Emergency Clean-up .....	38.51	
			For Medium Clean, Add .....	16.17	
			For Heavy Clean, Add .....	50.06	
02 90 50 00-0067	EA		Furnace, Exterior Wipe, Light Clean For Emergency Clean-up .....	34.29	
			For Medium Clean, Add .....	14.40	
			For Heavy Clean, Add .....	44.58	
02 90 50 00-0068			<b>Clean Electrical</b> (02 90 50 00-0008)		
02 90 50 00-0069	EA		Electric Fan, Light Clean For Emergency Clean-up .....	22.86	
			For Medium Clean, Add .....	9.60	
			For Heavy Clean, Add .....	29.72	
02 90 50 00-0070	EA		Ceiling Fan, Light Clean For Emergency Clean-up .....	24.71	
			For Medium Clean, Add .....	10.38	
			For Heavy Clean, Add .....	32.12	
02 90 50 00-0071	EA		Ceiling Fan And Light, Light Clean For Emergency Clean-up .....	32.12	
			For Medium Clean, Add .....	13.49	
			For Heavy Clean, Add .....	41.76	
02 90 50 00-0072	EA		Ceiling Exhaust Fan, Light Clean For Emergency Clean-up .....	22.54	
			For Medium Clean, Add .....	9.47	
			For Heavy Clean, Add .....	29.30	
02 90 50 00-0073	EA		2' x 4' Light Fixture, Light Clean For Emergency Clean-up .....	14.83	
			For Medium Clean, Add .....	6.23	
			For Heavy Clean, Add .....	19.28	
02 90 50 00-0074	EA		Light Fixture, Light Clean For Emergency Clean-up .....	6.79	
			For Medium Clean, Add .....	2.85	
			For Heavy Clean, Add .....	8.83	
02 90 50 00-0075	EA		Smoke Detector, Light Clean For Emergency Clean-up .....	5.25	
			For Medium Clean, Add .....	2.21	
			For Heavy Clean, Add .....	6.83	
02 90 50 00-0076	EA		Thermostat, Light Clean For Emergency Clean-up .....	1.85	
			For Medium Clean, Add .....	0.78	
			For Heavy Clean, Add .....	2.41	
02 90 50 00-0077			<b>Thermal Fog</b> (02 90 50 00-0008)		
02 90 50 00-0078	CF		Clean And Deodorize Building With Thermal Fog For Emergency Clean-up .....	0.02	
02 90 50 00-0079			<b>Contents Manipulation</b> (02 90 50)		
02 90 50 00-0080	SF		Cover Contents With 6 Mil Plastic Sheeting For Emergency Clean-up .....	0.22	
02 90 50 00-0081	SF		Floor Protection, Adhesive Film For Emergency Clean-up .....	0.28	
02 90 50 00-0082	SF		Move Contents Out And Later Reset For Emergency Clean-up .....	0.49	
02 90 50 00-0083	MO		20' Long Job Site Storage Trailer For Emergency Clean-up .....	150.81	
02 90 50 00-0084	MO		40' Long Job Site Storage Trailer For Emergency Clean-up .....	200.00	
02 90 50 00-0085	EA		Delivery Or Pickup Job Site Storage Trailer For Emergency Clean-up .....	143.67	
02 90 50 00-0086			<b>Water Emergency Clean-up</b> (02 90 50)		
02 90 50 00-0087	LF		Detach Baseboard For Emergency Clean-up .....	0.67	
02 90 50 00-0088	LF		Detach And Later Reset Baseboard For Emergency Clean-up .....	1.18	
02 90 50 00-0089	EA		Block And Pad Furniture (Per Piece Of Furniture) For Emergency Clean-up .....	4.35	
02 90 50 00-0090	SF		Water Extraction From Floor For Emergency Clean-up .....	0.45	
02 90 50 00-0091	SF		Gray Water Extraction From Floor For Emergency Clean-up .....	0.73	
02 90 50 00-0092	SF		Black Water Extraction From Floor For Emergency Clean-up .....	1.16	
02 90 50 00-0093	SF		Tear Out Wet Non Salvageable Carpet For Emergency Clean-up .....	0.36	
02 90 50 00-0094	SF		Tear Out Wet Non Salvageable Carpet, Black Water For Emergency Clean-up .....	0.43	
02 90 50 00-0095	SF		Tear Out Wet Non Salvageable Glue Down Carpet For Emergency Clean-up .....	0.64	
02 90 50 00-0096	SF		Tear Out Wet Non Salvageable Glue Down Carpet, Black Water For Emergency Clean-up .....	0.94	
02 90 50 00-0097	SF		Tear Out Vinyl Flooring For Emergency Clean-up .....	0.89	
02 90 50 00-0098	SF		Tear Out Vinyl Flooring, Black Water For Emergency Clean-up .....	1.30	
02 90 50 00-0099	SF		Tear Out Wood Flooring, Black Water For Emergency Clean-up .....	3.37	
02 90 50 00-0100	SF		Tear Out Laminated Wood Flooring For Emergency Clean-up .....	1.66	
02 90 50 00-0101	SF		Tear Out Laminated Wood Flooring, Black Water For Emergency Clean-up .....	2.43	
02 90 50 00-0102	SF		Tear Out Wet Ceiling Tile For Emergency Clean-up .....	0.28	
02 90 50 00-0103	SF		Tear Out Batt Insulation For Emergency Clean-up .....	0.28	
02 90 50 00-0104	SF		Tear Out Wet Gypsum Board For Emergency Clean-up .....	0.48	
02 90 50 00-0105	SF		Apply Antimicrobial Agent For Emergency Clean-up .....	0.25	
02 90 50 00-0106	SF		High Efficiency Particulate Air (HEPA) Vacuuming For Emergency Clean-up .....	0.35	
02 90 50 00-0107			<b>Emergency Clean-up Labor</b> (02 90 50)		
			Note: Used in the performance of time and material projects. Not to be used in conjunction with tasks in the		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 50 00-0108	HR		Skilled Tradesman For Emergency Clean Up.....	60.72	
02 90 50 00-0109	HR		Restoration / Document Laborer For Emergency Clean Up.....	42.50	
02 90 50 00-0110	HR		Restoration / Document Supervisor For Emergency Clean Up.....	58.44	
02 90 50 00-0111	HR		Restoration / Document Project Manager For Emergency Clean Up.....	95.63	
02 90 50 00-0112	HR		Assistant Project Manager For Emergency Clean Up.....	79.70	
02 90 50 00-0113	HR		Senior Project Manager For Emergency Clean Up.....	111.57	
02 90 50 00-0114	HR		Project Director / Document Consultant / Account Manager For Emergency Clean Up.....	159.39	
02 90 50 00-0115	HR		Equipment Technician For Emergency Clean Up.....	116.89	
02 90 50 00-0116	HR		Mold Remediation Laborer For Emergency Clean Up.....	58.19	
02 90 50 00-0117	HR		Mold Remediation Supervisor For Emergency Clean Up.....	79.70	
02 90 50 00-0118	HR		Administrative Personnel For Emergency Clean Up.....	37.19	
02 90 50 00-0119	HR		Project Accountant For Emergency Clean Up.....	60.72	
02 90 50 00-0120	HR		Biohazard Technician For Emergency Clean Up.....	84.38	
02 90 50 00-0121	HR		Biohazard Supervisor For Emergency Clean Up.....	101.45	
02 90 50 00-0122	HR		Health And Safety Officer For Emergency Clean Up.....	91.08	
02 90 50 00-0123	HR		Resource And Logistics Coordinator For Emergency Clean Up.....	65.78	
02 90 50 00-0124	HR		Loss Control Specialist For Emergency Clean Up.....	63.76	
02 90 50 00-0125	HR		Moisture Control Specialist For Emergency Clean Up.....	52.62	
02 90 50 00-0126	HR		Mobilization Support For Emergency Clean Up.....	32.38	

02 90 50 00-0127

Emergency Clean-up Equipment (02 90 50)

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

02 90 50 00-0128

General Emergency Clean-up Equipment (02 90 50 00-0127)

02 90 50 00-0129	DAY		265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up.....	137.11	
02 90 50 00-0130	WK		265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up.....	523.03	
02 90 50 00-0131	MO		265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up.....	1,432.00	
02 90 50 00-0132	DAY		13" Floor Buffer Rental For Emergency Clean-up.....	40.91	
02 90 50 00-0133	WK		13" Floor Buffer Rental For Emergency Clean-up.....	114.89	
02 90 50 00-0134	MO		13" Floor Buffer Rental For Emergency Clean-up.....	317.15	
02 90 50 00-0135	DAY		17" Floor Buffer Rental For Emergency Clean-up.....	79.29	
02 90 50 00-0136	WK		17" Floor Buffer Rental For Emergency Clean-up.....	202.26	
02 90 50 00-0137	MO		17" Floor Buffer Rental For Emergency Clean-up.....	477.34	
02 90 50 00-0138	DAY		Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	436.89	
02 90 50 00-0139	WK		Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	1,173.12	
02 90 50 00-0140	MO		Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	3,268.56	
02 90 50 00-0141	DAY		Ride-On Floor Scrubber Rental For Emergency Clean-up.....	987.04	
02 90 50 00-0142	WK		Ride-On Floor Scrubber Rental For Emergency Clean-up.....	2,605.14	
02 90 50 00-0143	MO		Ride-On Floor Scrubber Rental For Emergency Clean-up.....	7,022.55	
02 90 50 00-0144	DAY		4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	71.20	
02 90 50 00-0145	WK		4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	202.26	
02 90 50 00-0146	MO		4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	695.78	
02 90 50 00-0147	DAY		8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	66.34	
02 90 50 00-0148	WK		8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	177.99	
02 90 50 00-0149	MO		8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	461.16	
02 90 50 00-0150	DAY		17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	106.15	
02 90 50 00-0151	WK		17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	302.91	
02 90 50 00-0152	MO		17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	846.59	
02 90 50 00-0153	DAY		Truck Mounted Extractor Rental For Emergency Clean-up.....	666.32	
02 90 50 00-0154	WK		Truck Mounted Extractor Rental For Emergency Clean-up.....	1,998.96	
02 90 50 00-0155	MO		Truck Mounted Extractor Rental For Emergency Clean-up.....	5,996.88	
02 90 50 00-0156	DAY		16" Chain Saw Rental For Emergency Clean-up.....	77.67	
02 90 50 00-0157	WK		16" Chain Saw Rental For Emergency Clean-up.....	174.75	
02 90 50 00-0158	MO		16" Chain Saw Rental For Emergency Clean-up.....	466.01	
02 90 50 00-0159	DAY		20" Chain Saw Rental For Emergency Clean-up.....	97.09	
02 90 50 00-0160	WK		20" Chain Saw Rental For Emergency Clean-up.....	218.44	
02 90 50 00-0161	MO		20" Chain Saw Rental For Emergency Clean-up.....	582.52	
02 90 50 00-0162	EA		Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up.....	72.81	
02 90 50 00-0163	DAY		14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up.....	103.56	
02 90 50 00-0164	WK		14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up.....	283.17	
02 90 50 00-0165	MO		14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up.....	792.87	
02 90 50 00-0166	DAY		12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up.....	126.21	
02 90 50 00-0167	WK		12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up.....	428.80	
02 90 50 00-0168	MO		12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up.....	817.14	
02 90 50 00-0169	DAY		Wet Or Dry Portable Cleaning Unit For Emergency Clean-up.....	115.91	
02 90 50 00-0170	DAY		Extension Cords - 220 Volt For Emergency Clean-up.....	40.45	
02 90 50 00-0171	DAY		Extension Cords - 220 Volt Converter Box For Emergency Clean-up.....	24.27	
02 90 50 00-0172	DAY		Demolition Cart, 7 Yard For Emergency Clean-up.....	61.36	
02 90 50 00-0173	EA		Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up.....	121.36	
02 90 50 00-0174	DAY		Dry-Ice Blasting System For Emergency Clean-up.....	1,310.43	
02 90 50 00-0175	DAY		Fogger - Mist For Emergency Clean-up.....	34.09	
02 90 50 00-0176	DAY		Fogger - Electric Thermal For Emergency Clean-up.....	49.09	
02 90 50 00-0177	DAY		Fogger - Gas Power Thermal For Emergency Clean-up.....	131.87	
02 90 50 00-0178	EA		Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up.....	162.34	
02 90 50 00-0179	DAY		Hand Trucks/Dollies For Emergency Clean-up.....	19.42	
02 90 50 00-0180	DAY		Heat Gun - Shrink Wrap For Emergency Clean-up.....	100.96	
02 90 50 00-0181	DAY		High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up.....	142.86	
			Note: Includes all filters.		
02 90 50 00-0182	DAY		Ladder For Emergency Clean-up.....	27.51	
02 90 50 00-0183	DAY		Lights - Demo, Drop, Stand, String For Emergency Clean-up.....	24.55	
02 90 50 00-0184	DAY		Lights - Wobble For Emergency Clean-up.....	30.00	
02 90 50 00-0185	DAY		Moisture Meter For Emergency Clean-up.....	40.91	

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

02 90 50 00-0186	DAY	Nail Gun For Emergency Clean-up	72.81	
02 90 50 00-0187	DAY	Ozone Generator For Emergency Clean-up	170.45	
02 90 50 00-0188	DAY	PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up	97.09	
02 90 50 00-0189	DAY	Portable Generator, Up To 7,500 Watt For Emergency Clean-up	136.36	
02 90 50 00-0190	DAY	Pressure Washer, Hot For Emergency Clean-up	204.55	
02 90 50 00-0191	DAY	Pressure Washer, Cold For Emergency Clean-up	136.36	
02 90 50 00-0192	DAY	Scaffolding - Per Section For Emergency Clean-up	105.18	
02 90 50 00-0193	DAY	Small Tools - Tool Box For Emergency Clean-up	40.45	
02 90 50 00-0194	DAY	Soda Blasting Equipment For Emergency Clean-up	1,300.33	
02 90 50 00-0195	DAY	Sprayer - Hudson For Emergency Clean-up	12.94	
02 90 50 00-0196	DAY	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	109.71	
02 90 50 00-0197	DAY	Storage Space (Per SF Per Day) For Emergency Clean-up	3.14	
02 90 50 00-0198	DAY	Submersible Pump For Emergency Clean-up	34.09	
02 90 50 00-0199	DAY	Trash Pump - 2" Gas Powered For Emergency Clean-up	187.11	
02 90 50 00-0200	DAY	Vehicle, Pick-up, SUV, Car For Emergency Clean-up	92.88	
02 90 50 00-0201	DAY	Vehicle, Van For Emergency Clean-up	151.44	
02 90 50 00-0202	DAY	16' Or 24' Box Truck Vehicle For Emergency Clean-up	183.15	
		Note: Includes Mileage		
02 90 50 00-0203	DAY	Trailer - Refrigerated 40' Storage For Emergency Clean-up	201.24	
02 90 50 00-0204	DAY	Utility Trailer For Emergency Clean-up	167.59	
		Note: Includes Mileage		
02 90 50 00-0205	DAY	Truck Mount, Per Wand Extraction For Emergency Clean-up	755.84	
02 90 50 00-0206	DAY	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	34.09	
02 90 50 00-0207	DAY	Vacuum - Shop Vacuum For Emergency Clean-up	34.09	
02 90 50 00-0208	DAY	Vacuum - Commercial For Emergency Clean-up	102.27	
02 90 50 00-0209	DAY	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	115.91	
02 90 50 00-0210	DAY	Vacuum - Upright For Emergency Clean-up	22.21	
02 90 50 00-0211	DAY	Zip Walls (Per 2 Poles) For Emergency Clean-up	34.09	
02 90 50 00-0212	DAY	2 Way Radio For Emergency Clean-up	27.27	

**02 90 50 00-0213 Technical/Electronics Restoration Equipment (02 90 50 00-0127)**

02 90 50 00-0214	DAY	Computer - Diagnostic For Emergency Clean-up	40.45	
02 90 50 00-0215	WK	Computer - Diagnostic For Emergency Clean-up	111.24	
02 90 50 00-0216	MO	Computer - Diagnostic For Emergency Clean-up	303.39	
02 90 50 00-0217	DAY	Convection Oven - Large For Emergency Clean-up	587.57	
02 90 50 00-0218	WK	Convection Oven - Large For Emergency Clean-up	1,615.82	
02 90 50 00-0219	MO	Convection Oven - Large For Emergency Clean-up	4,406.79	
02 90 50 00-0220	DAY	Convection Oven - Small For Emergency Clean-up	145.63	
02 90 50 00-0221	WK	Convection Oven - Small For Emergency Clean-up	400.48	
02 90 50 00-0222	MO	Convection Oven - Small For Emergency Clean-up	1,092.22	
02 90 50 00-0223	DAY	Convection Oven - Vacuum For Emergency Clean-up	838.62	
02 90 50 00-0224	WK	Convection Oven - Vacuum For Emergency Clean-up	2,306.21	
02 90 50 00-0225	MO	Convection Oven - Vacuum For Emergency Clean-up	6,289.65	
02 90 50 00-0226	DAY	Decontamination Booth For Emergency Clean-up	693.24	
02 90 50 00-0227	WK	Decontamination Booth For Emergency Clean-up	1,906.41	
02 90 50 00-0228	MO	Decontamination Booth For Emergency Clean-up	5,199.31	
02 90 50 00-0229	DAY	DI Water System For Emergency Clean-up	53.84	
02 90 50 00-0230	WK	DI Water System For Emergency Clean-up	148.07	
02 90 50 00-0231	MO	DI Water System For Emergency Clean-up	403.83	
02 90 50 00-0232	DAY	ESD Bench Workstation For Emergency Clean-up	32.98	
02 90 50 00-0233	WK	ESD Bench Workstation For Emergency Clean-up	90.69	
02 90 50 00-0234	MO	ESD Bench Workstation For Emergency Clean-up	247.35	
02 90 50 00-0235	DAY	Heater/Enclosure Control System For Emergency Clean-up	24.27	
02 90 50 00-0236	WK	Heater/Enclosure Control System For Emergency Clean-up	66.75	
02 90 50 00-0237	MO	Heater/Enclosure Control System For Emergency Clean-up	182.04	
02 90 50 00-0238	DAY	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	84.80	
02 90 50 00-0239	WK	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	233.21	
02 90 50 00-0240	MO	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	636.03	
02 90 50 00-0241	DAY	Micro-Blaster/Dust Collector For Emergency Clean-up	364.07	
02 90 50 00-0242	WK	Micro-Blaster/Dust Collector For Emergency Clean-up	1,001.20	
02 90 50 00-0243	MO	Micro-Blaster/Dust Collector For Emergency Clean-up	2,730.54	
02 90 50 00-0244	DAY	Mobile Laboratory For Emergency Clean-up	1,011.31	
02 90 50 00-0245	WK	Mobile Laboratory For Emergency Clean-up	2,781.11	
02 90 50 00-0246	MO	Mobile Laboratory For Emergency Clean-up	7,584.84	
02 90 50 00-0247	DAY	Nitrogen Enclosure Cabinet For Emergency Clean-up	19.42	
02 90 50 00-0248	WK	Nitrogen Enclosure Cabinet For Emergency Clean-up	53.40	
02 90 50 00-0249	MO	Nitrogen Enclosure Cabinet For Emergency Clean-up	145.63	
02 90 50 00-0250	DAY	Odell Cleaning Station For Emergency Clean-up	566.34	
02 90 50 00-0251	WK	Odell Cleaning Station For Emergency Clean-up	1,557.42	
02 90 50 00-0252	MO	Odell Cleaning Station For Emergency Clean-up	4,247.51	
02 90 50 00-0253	DAY	Parts Washer For Emergency Clean-up	40.45	
02 90 50 00-0254	WK	Parts Washer For Emergency Clean-up	111.24	
02 90 50 00-0255	MO	Parts Washer For Emergency Clean-up	303.39	
02 90 50 00-0256	DAY	Ultrasonic Cleaning System For Emergency Clean-up	252.39	
02 90 50 00-0257	WK	Ultrasonic Cleaning System For Emergency Clean-up	694.08	
02 90 50 00-0258	MO	Ultrasonic Cleaning System For Emergency Clean-up	1,892.95	
02 90 50 00-0259	DAY	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	108.07	
02 90 50 00-0260	WK	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	297.20	
02 90 50 00-0261	MO	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	810.55	

**02 90 50 00-0262 Drying/Dehumidification Equipment (02 90 50 00-0127)**

02 90 50 00-0263	DAY	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up	170.45	
		Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0264	WK		202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up.....	468.75	
			Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 50 00-0265	MO		202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up.....	1,278.41	
			Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 50 00-0266	DAY		3,000 CFM Axial Air Mover For Emergency Clean-up.....	66.28	
02 90 50 00-0267	WK		3,000 CFM Axial Air Mover For Emergency Clean-up.....	182.27	
02 90 50 00-0268	MO		3,000 CFM Axial Air Mover For Emergency Clean-up.....	497.11	
02 90 50 00-0269	DAY		Injectidry System For Emergency Clean-up.....	211.36	
02 90 50 00-0270	WK		Injectidry System For Emergency Clean-up.....	581.25	
02 90 50 00-0271	MO		Injectidry System For Emergency Clean-up.....	1,585.23	
02 90 50 00-0272	DAY		Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	136.36	
02 90 50 00-0273	WK		Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	375.00	
02 90 50 00-0274	MO		Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	1,022.73	
02 90 50 00-0275	DAY		>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	202.26	
02 90 50 00-0276	WK		>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	556.22	
02 90 50 00-0277	MO		>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	1,516.97	
02 90 50 00-0278	DAY		>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	188.31	
02 90 50 00-0279	WK		>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	517.86	
02 90 50 00-0280	MO		>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	1,412.34	
02 90 50 00-0281	DAY		Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up.....	201.30	
02 90 50 00-0282	WK		Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up.....	553.57	
02 90 50 00-0283	MO		Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up.....	1,509.74	
02 90 50 00-0284	DAY		Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up.....	201.30	
02 90 50 00-0285	WK		Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up.....	553.57	
02 90 50 00-0286	MO		Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up.....	1,509.74	
02 90 50 00-0287	DAY		D-500 Desiccant Dehumidifier For Emergency Clean-up.....	227.27	
02 90 50 00-0288	WK		D-500 Desiccant Dehumidifier For Emergency Clean-up.....	625.00	
02 90 50 00-0289	MO		D-500 Desiccant Dehumidifier For Emergency Clean-up.....	1,704.54	
02 90 50 00-0290	DAY		D-750 Desiccant Dehumidifier For Emergency Clean-up.....	477.27	
02 90 50 00-0291	WK		D-750 Desiccant Dehumidifier For Emergency Clean-up.....	1,312.50	
02 90 50 00-0292	MO		D-750 Desiccant Dehumidifier For Emergency Clean-up.....	3,579.54	
02 90 50 00-0293	DAY		D-1000 Desiccant Dehumidifier For Emergency Clean-up.....	818.18	
02 90 50 00-0294	WK		D-1000 Desiccant Dehumidifier For Emergency Clean-up.....	2,250.00	
02 90 50 00-0295	MO		D-1000 Desiccant Dehumidifier For Emergency Clean-up.....	6,136.36	
02 90 50 00-0296	DAY		D-1500 Desiccant Dehumidifier For Emergency Clean-up.....	1,259.74	
02 90 50 00-0297	WK		D-1500 Desiccant Dehumidifier For Emergency Clean-up.....	3,464.28	
02 90 50 00-0298	MO		D-1500 Desiccant Dehumidifier For Emergency Clean-up.....	9,448.04	
02 90 50 00-0299	DAY		D-2000 Desiccant Dehumidifier For Emergency Clean-up.....	1,259.74	
02 90 50 00-0300	WK		D-2000 Desiccant Dehumidifier For Emergency Clean-up.....	3,464.28	
02 90 50 00-0301	MO		D-2000 Desiccant Dehumidifier For Emergency Clean-up.....	9,448.04	
02 90 50 00-0302	DAY		D-2250 Desiccant Dehumidifier For Emergency Clean-up.....	1,315.58	
02 90 50 00-0303	WK		D-2250 Desiccant Dehumidifier For Emergency Clean-up.....	3,617.85	
02 90 50 00-0304	MO		D-2250 Desiccant Dehumidifier For Emergency Clean-up.....	9,866.87	
02 90 50 00-0305	DAY		D-3000 Desiccant Dehumidifier For Emergency Clean-up.....	1,636.36	
02 90 50 00-0306	WK		D-3000 Desiccant Dehumidifier For Emergency Clean-up.....	4,500.00	
02 90 50 00-0307	MO		D-3000 Desiccant Dehumidifier For Emergency Clean-up.....	12,272.72	
02 90 50 00-0308	DAY		D-4500 Desiccant Dehumidifier For Emergency Clean-up.....	1,840.91	
02 90 50 00-0309	WK		D-4500 Desiccant Dehumidifier For Emergency Clean-up.....	5,062.49	
02 90 50 00-0310	MO		D-4500 Desiccant Dehumidifier For Emergency Clean-up.....	13,806.80	
02 90 50 00-0311	DAY		D-5000 Desiccant Dehumidifier For Emergency Clean-up.....	1,977.27	
02 90 50 00-0312	WK		D-5000 Desiccant Dehumidifier For Emergency Clean-up.....	5,437.49	
02 90 50 00-0313	MO		D-5000 Desiccant Dehumidifier For Emergency Clean-up.....	14,829.53	
02 90 50 00-0314	DAY		D-9000 Desiccant Dehumidifier For Emergency Clean-up.....	2,597.40	
02 90 50 00-0315	WK		D-9000 Desiccant Dehumidifier For Emergency Clean-up.....	7,142.85	
02 90 50 00-0316	MO		D-9000 Desiccant Dehumidifier For Emergency Clean-up.....	19,480.50	
02 90 50 00-0317	DAY		D-10500 Desiccant Dehumidifier For Emergency Clean-up.....	2,727.27	
02 90 50 00-0318	WK		D-10500 Desiccant Dehumidifier For Emergency Clean-up.....	7,499.99	
02 90 50 00-0319	MO		D-10500 Desiccant Dehumidifier For Emergency Clean-up.....	20,454.52	
02 90 50 00-0320	DAY		3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	443.18	
02 90 50 00-0321	WK		3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	1,218.75	
02 90 50 00-0322	MO		3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	3,323.86	
02 90 50 00-0323	DAY		5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	613.64	
02 90 50 00-0324	WK		5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	1,687.50	
02 90 50 00-0325	MO		5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	4,602.27	
02 90 50 00-0326	DAY		10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	818.18	
02 90 50 00-0327	WK		10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	2,250.00	
02 90 50 00-0328	MO		10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	6,136.36	
02 90 50 00-0329	DAY		25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	1,090.91	
02 90 50 00-0330	WK		25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	3,000.00	
02 90 50 00-0331	MO		25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	8,181.81	
02 90 50 00-0332	DAY		50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	1,840.91	
02 90 50 00-0333	WK		50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	5,062.49	
02 90 50 00-0334	MO		50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	13,806.80	
02 90 50 00-0335	DAY		80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	2,045.45	
02 90 50 00-0336	WK		80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	5,624.99	
02 90 50 00-0337	MO		80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	15,340.89	
02 90 50 00-0338	DAY		25' Flex Duct For Emergency Clean-up.....	27.27	
02 90 50 00-0339	WK		25' Flex Duct For Emergency Clean-up.....	75.00	
02 90 50 00-0340	MO		25' Flex Duct For Emergency Clean-up.....	204.55	
02 90 50 00-0341	DAY		Hygrothermograph For Emergency Clean-up.....	40.45	
02 90 50 00-0342	WK		Hygrothermograph For Emergency Clean-up.....	111.24	
02 90 50 00-0343	MO		Hygrothermograph For Emergency Clean-up.....	303.39	
02 90 50 00-0344	DAY		Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up.....	6,410.12	
			Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		

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

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
02 90 50 00-0345	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up.....	17,627.83		
		Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.			
02 90 50 00-0346	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up.....	48,075.89		
		Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.			
<b>02 90 50 00-0347 Power Equipment</b> (02 90 50 00-0127)					
02 90 50 00-0348	WK	Up to 65 KVA Generator For Emergency Clean-up .....	844.16		
02 90 50 00-0349	WK	>65 to 125 KVA Generator For Emergency Clean-up .....	1,428.57		
02 90 50 00-0350	WK	>125 to 250 KVA Generator For Emergency Clean-up .....	1,391.91		
02 90 50 00-0351	WK	>250 to 375 KVA Generator For Emergency Clean-up .....	2,402.60		
02 90 50 00-0352	WK	>375 Up to 440 KVA Generator For Emergency Clean-up .....	3,246.75		
02 90 50 00-0353	WK	>440 to 625 KVA Generator For Emergency Clean-up .....	4,883.90		
02 90 50 00-0354	WK	>625 to 800 KVA Generator For Emergency Clean-up .....	5,000.00		
02 90 50 00-0355	WK	>800 to 1,000 KVA Generator For Emergency Clean-up .....	6,688.30		
02 90 50 00-0356	WK	>1,000 to 1,500 KVA Generator For Emergency Clean-up .....	10,064.92		
02 90 50 00-0357	EA	Generator Cable/Pigtails (Per Section) For Emergency Clean-up .....	21.82		
02 90 50 00-0358	EA	Sub-Distribution Panel (Spider Box) For Emergency Clean-up .....	104.55		
02 90 50 00-0359	EA	Electrical Distribution Panel For Emergency Clean-up .....	252.39		
02 90 50 00-0360	EA	Quad Box Strings (25' Sections) For Emergency Clean-up .....	39.29		
02 90 50 00-0361	EA	50' Power Cord For Spider Box For Emergency Clean-up .....	36.36		
02 90 50 00-0362	EA	Pig Tails (Per Each) For Emergency Clean-up .....	4.05		
<b>02 90 50 00-0363 Freight Charges</b> (02 90 50 00-0127)					
02 90 50 00-0364	MI	Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment .....	2.02		
02 90 50 00-0365	MI	Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment .....	3.64		
02 90 50 00-0366	MI	Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment .....	3.64		
02 90 50 00-0367	MI	Freight Tractor Trailer For Emergency Clean-up Equipment .....	5.26		
<b>02 90 50 00-0368 Emergency Clean-up Personal Protection Equipment</b> (02 90 50)					
Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.					
02 90 50 00-0369	EA	Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment .....	11.29		
02 90 50 00-0370	EA	Respirator Cartridge For Emergency Clean-up Personal Protection Equipment .....	39.43		
02 90 50 00-0371	BOX	Dust Mask For Emergency Clean-up Personal Protection Equipment .....	43.96		
02 90 50 00-0372	PR	Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment .....	3.03		
02 90 50 00-0373	BOX	5 Mil, Disposable Latex Gloves For Emergency Clean-up Personal Protection Equipment, Box of 100 .....	20.45		
02 90 50 00-0374	PR	Leather Gloves For Emergency Clean-up Personal Protection Equipment .....	10.23		
02 90 50 00-0375	EA	Heavy Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment .....	17.47		
02 90 50 00-0376	PR	Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment .....	11.97		
02 90 50 00-0377	EA	Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment .....	87.10		
02 90 50 00-0378	PR	Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment .....	5.24		
02 90 50 00-0379	EA	Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment .....	6.82		
<b>02 90 50 00-0380 Emergency Clean-up Expendables</b> (02 90 50)					
Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.					
<b>02 90 50 00-0381 General Materials</b> (02 90 50 00-0380)					
02 90 50 00-0382	GAL	Adhesive Remover For Emergency Clean-up .....	102.27		
02 90 50 00-0383	GAL	Bio-HS For Emergency Clean-up .....	34.48		
02 90 50 00-0384	GAL	Biocide For Emergency Clean-up .....	44.00		
02 90 50 00-0385	EA	10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up .....	5.39		
02 90 50 00-0386	EA	10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up .....	8.18		
02 90 50 00-0387	GAL	Bleach For Emergency Clean-up .....	11.00		
02 90 50 00-0388	EA	Small Stainless Brush For Emergency Clean-up .....	6.73		
02 90 50 00-0389	EA	2-1/2 Gallon Buckets For Emergency Clean-up .....	8.54		
02 90 50 00-0390	EA	5 Gallon Bucket For Emergency Clean-up .....	12.94		
02 90 50 00-0391	GAL	Carpet Defoamer For Emergency Clean-up .....	33.30		
02 90 50 00-0392	GAL	Carpet Pre-treat For Emergency Clean-up .....	24.90		
02 90 50 00-0393	GAL	Carpet Spotter For Emergency Clean-up .....	41.73		
02 90 50 00-0394	GAL	Carpet/Upholstery Cleaner For Emergency Clean-up .....	33.65		
02 90 50 00-0395	ROL	Carpet Masking/Shield For Emergency Clean-up .....	93.35		
02 90 50 00-0396	EA	Chemical Sponge For Emergency Clean-up .....	4.03		
02 90 50 00-0397	GAL	Clear Seal For Emergency Clean-up .....	137.51		
02 90 50 00-0398	GAL	Coil Cleaner For Emergency Clean-up .....	64.28		
02 90 50 00-0399	EA	Comfort Masks, Per Box 50 For Emergency Clean-up Personal Protection Equipment .....	47.23		
02 90 50 00-0400	EA	Hooded Coverall With Elastic Wrists/Ankles For Emergency Clean-up Personal Protection Equipment .....	20.89		
02 90 50 00-0401	EA	Decontamination Chamber For Emergency Clean-up .....	279.55		
02 90 50 00-0402	GAL	All Purpose Degreaser For Emergency Clean-up .....	45.00		
02 90 50 00-0403	GAL	Heavy Duty Degreaser For Emergency Clean-up .....	54.21		
02 90 50 00-0404	GAL	De-Foamer Liquid For Emergency Clean-up .....	59.14		
02 90 50 00-0405	EA	Deodorization Membrane For Emergency Clean-up .....	115.95		
02 90 50 00-0406	GAL	9-D-9 Smoke Deodorizer For Emergency Clean-up .....	176.79		
02 90 50 00-0407	LB	Deodorizing Gel For Emergency Clean-up .....	41.53		
02 90 50 00-0408	GAL	Deodorizing Liquid For Emergency Clean-up .....	61.49		
02 90 50 00-0409	PAIL	Deodorizing Block For Emergency Clean-up .....	10.44		
02 90 50 00-0410	GAL	Disinfectant/Antimicrobial For Emergency Clean-up .....	107.77		
02 90 50 00-0411	GAL	BruClean Disinfectant For Emergency Clean-up .....	32.73		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0412	GAL		Dryclean For Emergency Clean-up.....	48.32	
02 90 50 00-0413	GAL		Duct Sealant Spray For Emergency Clean-up.....	72.81	
02 90 50 00-0414	GAL		Antifungal Duct Sealant For Emergency Clean-up.....	105.18	
02 90 50 00-0415	GAL		Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up.....	159.43	
02 90 50 00-0416	PR		Ear Plugs For Emergency Clean-up Personal Protection Equipment.....	0.65	
02 90 50 00-0417	GAL		Encapsulant For Emergency Clean-up.....	110.38	
02 90 50 00-0418	GAL		Aftershock Fiberlocke For Emergency Clean-up.....	96.92	
02 90 50 00-0419	GAL		IAQ 2500 Fiberlocke For Emergency Clean-up.....	124.88	
02 90 50 00-0420	GAL		IAS 6000 Fiberlocke For Emergency Clean-up.....	128.44	
02 90 50 00-0421	ROL		Filter Material For Emergency Clean-up.....	250.71	
02 90 50 00-0422	EA		Blue Paper Collection Bag Filter For Emergency Clean-up.....	6.75	
02 90 50 00-0423	EA		CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	536.23	
02 90 50 00-0424	EA		Pre-Filter For Negative Air Machine For Emergency Clean-up.....	2.57	
02 90 50 00-0425	EA		Pleated Filter For Negative Air Machine For Emergency Clean-up.....	11.45	
02 90 50 00-0426	EA		Charcoal Filter For Negative Air Machine For Emergency Clean-up.....	40.78	
02 90 50 00-0427	EA		High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up.....	387.84	
02 90 50 00-0428	EA		Pleated Dehumidifier Filter For Emergency Clean-up.....	10.23	
02 90 50 00-0429	GAL		Floor Stripper For Emergency Clean-up.....	22.65	
02 90 50 00-0430	GAL		Floor Wax For Emergency Clean-up.....	32.36	
02 90 50 00-0431	GAL		Fogger (Thermal) For Emergency Clean-up.....	187.51	
02 90 50 00-0432	BOX		Furniture Blocks For Emergency Clean-up.....	151.03	
02 90 50 00-0433	EA		Furniture Polish, Per 10 Oz Can For Emergency Clean-up.....	20.35	
02 90 50 00-0434	GAL		Glass Cleaner For Emergency Clean-up.....	13.57	
02 90 50 00-0435	PR		Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment.....	19.74	
02 90 50 00-0436	EA		Goof Off Spray, 12 Oz For Emergency Clean-up.....	16.23	
02 90 50 00-0437	EA		Halogen Light Bulbs For Emergency Clean-up.....	23.11	
02 90 50 00-0438	QT		Hand Sanitizer For Emergency Clean-up.....	11.42	
02 90 50 00-0439	EA		Hard Hats For Emergency Clean-up Personal Protection Equipment.....	9.41	
02 90 50 00-0440	BOX		Hog Rings, Box Of 2,500 For Emergency Clean-up.....	19.78	
02 90 50 00-0441	GAL		HVAC Coal Cleaner For Emergency Clean-up.....	64.28	
02 90 50 00-0442	BOX		Inventory Tag, Box Of 1,000 For Emergency Clean-up.....	139.13	
02 90 50 00-0443	EA		Utility Knives For Emergency Clean-up.....	17.80	
02 90 50 00-0444	ROL		13" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	119.35	
02 90 50 00-0445	ROL		20" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	126.00	
02 90 50 00-0446	ROL		29" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	250.87	
02 90 50 00-0447	ROL		39" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	362.61	
02 90 50 00-0448	GAL		Lemon Oil For Emergency Clean-up.....	54.55	
02 90 50 00-0449	GAL		LPS 1/Mecca Lube For Emergency Clean-up.....	58.80	
02 90 50 00-0450	GAL		LPS 2 For Emergency Clean-up.....	62.23	
02 90 50 00-0451	GAL		LPS Contact Cleaner For Emergency Clean-up.....	61.94	
02 90 50 00-0452	GAL		Light Lubricant Preserve For Emergency Clean-up.....	145.23	
02 90 50 00-0453	GAL		Heavy Lubricant Preserver For Emergency Clean-up.....	32.36	
02 90 50 00-0454	GAL		Machinery Cleaning Solvent For Emergency Clean-up.....	261.14	
02 90 50 00-0455	GAL		Metal Polishing Paste For Emergency Clean-up.....	26.88	
02 90 50 00-0456	GAL		MediClean® Disinfectant For Emergency Clean-up.....	65.40	
02 90 50 00-0457	GAL		Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up.....	80.27	
02 90 50 00-0458	EA		Mop Heads For Emergency Clean-up.....	9.69	
02 90 50 00-0459	EA		Nylon Scouring Pads For Emergency Clean-up.....	1.78	
02 90 50 00-0460	GAL		Odor Neutralizer For Emergency Clean-up.....	41.73	
02 90 50 00-0461	EA		Packing Paper, 25 LB Bundle For Emergency Clean-up.....	72.35	
02 90 50 00-0462	EA		Paint Brushes For Emergency Clean-up.....	8.09	
02 90 50 00-0463	ROL		Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up.....	168.73	
02 90 50 00-0464	EA		Putty Knives For Emergency Clean-up.....	7.33	
02 90 50 00-0465	ROL		Red Resin Paper, 200' Roll For Emergency Clean-up.....	36.82	
02 90 50 00-0466	GAL		Reodorant For Emergency Clean-up.....	137.54	
02 90 50 00-0467	EA		N95 Respirator For Emergency Clean-up Personal Protection Equipment.....	4.71	
02 90 50 00-0468	EA		N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment.....	7.31	
02 90 50 00-0469	PR		3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment.....	49.06	
02 90 50 00-0470	PR		P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment.....	49.06	
02 90 50 00-0471	EA		Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment.....	39.26	
02 90 50 00-0472	GAL		Restoracide For Emergency Clean-up.....	64.51	
02 90 50 00-0473	GAL		Rust Remover For Emergency Clean-up.....	95.45	
02 90 50 00-0474	EA		Saltesmo Test Samples For Emergency Clean-up.....	8.87	
02 90 50 00-0475	EA		Sand Bag For Emergency Clean-up.....	2.32	
			Note: Excludes sand material		
02 90 50 00-0476	EA		Scotch-Brite 7447, Per Box 50 For Emergency Clean-up.....	28.97	
02 90 50 00-0477	EA		Small Scrub Brushes For Emergency Clean-up.....	15.48	
02 90 50 00-0478	GAL		Clear Soot Sealant For Emergency Clean-up.....	110.70	
02 90 50 00-0479	GAL		Pigmented Soot Sealant For Emergency Clean-up.....	298.55	
02 90 50 00-0480	ROL		Shrinkwrap Plastic For Emergency Clean-up.....	68.73	
02 90 50 00-0481	EA		Dry Sponges For Emergency Clean-up.....	5.38	
02 90 50 00-0482	EA		Spray Adhesive, Per Can For Emergency Clean-up.....	7.17	
02 90 50 00-0483	EA		Spray Bot./Trigger For Emergency Clean-up.....	6.25	
02 90 50 00-0484	GAL		Stain Remover For Emergency Clean-up.....	37.69	
02 90 50 00-0485	GAL		Stainless Steel Cleaner For Emergency Clean-up.....	13.51	
02 90 50 00-0486	EA		Stainless Steel Polish, Per Can For Emergency Clean-up.....	17.73	
02 90 50 00-0487	LB		Sweeping Compound For Emergency Clean-up.....	0.59	
02 90 50 00-0488	ROL		Duct Tape, 2" x 50 YD For Emergency Clean-up.....	14.03	
02 90 50 00-0489	ROL		Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up.....	13.19	
02 90 50 00-0490	ROL		HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up.....	35.60	
02 90 50 00-0491	ROL		Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up.....	18.78	
02 90 50 00-0492	ROL		Poly Box Tape, 2" x 110 YD For Emergency Clean-up.....	5.79	
02 90 50 00-0493	LB		Terry Towels For Emergency Clean-up.....	8.33	
02 90 50 00-0494	GAL		Thermal Fog For Emergency Clean-up.....	84.80	
02 90 50 00-0495	ROL		Lawn And Leaf Trash Bags For Emergency Clean-up.....	43.64	

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

02 90 50 00-0496	ROL	6 Mil Heavy Duty Trash Bags (50 Count) For Emergency Clean-up .....	174.03
02 90 50 00-0497	EA	Trisodium Phosphate, 20 LB Pail For Emergency Clean-up .....	59.04
02 90 50 00-0498	EA	Backpack Vacuum Bags For Emergency Clean-up .....	1.99
02 90 50 00-0499	EA	Upright Vacuum Bags For Emergency Clean-up .....	2.65
02 90 50 00-0500	GAL	Vinyl And Leather Cleaner For Emergency Clean-up .....	33.65
02 90 50 00-0501	ROL	1 Mil Visqueen, 12' x 400', For Emergency Clean-up .....	56.53
02 90 50 00-0502	ROL	4 Mil Visqueen, 32' x 100', For Emergency Clean-up .....	153.51
02 90 50 00-0503	ROL	6 Mil Visqueen, 32' x 400', For Emergency Clean-up .....	209.45
02 90 50 00-0504	LB	Wipes, Cotton Cloth For Emergency Clean-up .....	5.94
02 90 50 00-0505	ROL	12" x 750', Wrap, Bubble/Anti-Static For Emergency Clean-up .....	172.40
02 90 50 00-0506	EA	Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up .....	16.83
02 90 50 00-0507	EA	Zip Wall Zippers For Emergency Clean-up .....	26.17

**02 90 50 00-0508 Technical/Electronics Restoration Materials (02 90 50 00-0380)**

02 90 50 00-0509	EA	Brush - Brass For Emergency Clean-up .....	6.07
02 90 50 00-0510	EA	1" Brush, Natural Bristle For Emergency Clean-up .....	1.94
02 90 50 00-0511	EA	1/2" Brush, Natural Bristle For Emergency Clean-up .....	1.62
02 90 50 00-0512	EA	1/4" Brush, Natural Bristle For Emergency Clean-up .....	1.38
02 90 50 00-0513	EA	Brush - Parts For Emergency Clean-up .....	8.41
02 90 50 00-0514	EA	Brush - Plastic For Emergency Clean-up .....	4.37
02 90 50 00-0515	EA	Brush - Wire Grout For Emergency Clean-up .....	9.42
02 90 50 00-0516	EA	Brushing Tool For Emergency Clean-up .....	18.17
02 90 50 00-0517	EA	Cleaning Swabs, Cotton For Emergency Clean-up .....	0.40
02 90 50 00-0518	EA	Cleaning Swabs, Foam Tip For Emergency Clean-up .....	0.49
02 90 50 00-0519	EA	Contact Restorer, Per Can For Emergency Clean-up .....	39.24
02 90 50 00-0520	EA	Contact Spray, Per Can For Emergency Clean-up .....	26.70
02 90 50 00-0521	UNT	Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up .....	3.88
02 90 50 00-0522	UNT	Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up .....	8.90
02 90 50 00-0523	UNT	Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up .....	15.37
02 90 50 00-0524	LB	Cotton Cleaning Cloths For Emergency Clean-up .....	24.27
02 90 50 00-0525	EA	12" x 17" Dust Cloths For Emergency Clean-up .....	0.36
02 90 50 00-0526	EA	24" x 24" Dust Cloths For Emergency Clean-up .....	1.00
02 90 50 00-0527	EA	Deoxidizing Agent, Per Can For Emergency Clean-up .....	19.01
02 90 50 00-0528	GAL	Electronic Grade Detergent For Emergency Clean-up .....	40.38
02 90 50 00-0529	SHT	Inventory Labels For Emergency Clean-up .....	0.16
02 90 50 00-0530	GAL	Isopropyl Alcohol For Emergency Clean-up .....	107.02
02 90 50 00-0531	GAL	Lubrication/Penetrating Oil, Per Can For Emergency Clean-up .....	156.05
02 90 50 00-0532	GAL	PC Board Detergent For Emergency Clean-up .....	110.84
02 90 50 00-0533	GAL	Rust Inhibitor, Regular Duty For Emergency Clean-up .....	180.00
02 90 50 00-0534	GAL	Rust Inhibitor, Moderate Duty For Emergency Clean-up .....	181.35
02 90 50 00-0535	GAL	Rust Inhibitor, Severe Duty For Emergency Clean-up .....	193.84
02 90 50 00-0536	LB	Wipes, Lint Free Cloths For Emergency Clean-up .....	6.38
02 90 50 00-0537	EA	Wire Marker Card For Emergency Clean-up .....	2.83
02 90 50 00-0538	EA	Steel Wool, 16 Pad Sleeve For Emergency Clean-up .....	1.43

**02 90 50 00-0539 Board Up And Tarp Up (02 90 50)**

02 90 50 00-0540	SF	Polyethylene Tarp On Roof For Emergency Clean-up .....	0.24
02 90 50 00-0541	SF	Temporary Plywood On Roof For Emergency Clean-up .....	3.22
02 90 50 00-0542	SF	Temporary Plywood On Wall Or Windows For Emergency Clean-up .....	3.59

**02 90 50 00-0543 Minimum Charges (02 90 50)**

02 90 50 00-0544	EA	Minimum For Emergency Cleaning .....	969.80
02 90 50 00-0545	EA	Minimum For Emergency Water Extraction .....	208.65
02 90 50 00-0546	EA	Minimum For Emergency Carpet Cleaning .....	194.17

**02 90 50 00-0547 Document Restoration (02 90 50)**

02 90 50 00-0548	EA	Book Rebinding, Each For Document Restoration .....	100.27
02 90 50 00-0549	EA	Book Recasing, Each For Document Restoration .....	50.13
02 90 50 00-0550	EA	Boxes-MCS, 1.2 CF For Document Restoration .....	6.31
02 90 50 00-0551	EA	Boxes-MCS, 2.0 CF For Document Restoration .....	6.96
02 90 50 00-0552	EA	Boxes Bankers For Document Restoration .....	16.02
02 90 50 00-0553	EA	Boxes Standard Packout For Document Restoration .....	4.04
02 90 50 00-0554	EA	Boxes X Ray For Document Restoration .....	10.03
02 90 50 00-0555	EA	CD Scanning and Diagnostics, Each For Document Restoration .....	10.03
02 90 50 00-0556	EA	Cleaning Antique Books, Each For Document Restoration .....	300.80
02 90 50 00-0557	EA	Cleaning Catheter Roll, Per Roll For Document Restoration .....	40.10
02 90 50 00-0558	EA	Cleaning CD And DVD, Per Disc For Document Restoration .....	4.03
02 90 50 00-0559	EA	Cleaning Level 1 - Blue Prints, Each For Document Restoration .....	2.82
02 90 50 00-0560	CF	Cleaning Level 1 - Document Per CF For Document Restoration .....	87.34
02 90 50 00-0561	EA	Cleaning Level 1 - Linen, Each For Document Restoration .....	2.82
02 90 50 00-0562	EA	Cleaning Level 1 - Mylar, Each For Document Restoration .....	2.82
02 90 50 00-0563	EA	Cleaning Level 2 - Blue Print, Each For Document Restoration .....	3.50
02 90 50 00-0564	CF	Cleaning Level 2 - Document Per CF For Document Restoration .....	130.89
02 90 50 00-0565	EA	Cleaning Level 2 - Linen, Each For Document Restoration .....	3.50
02 90 50 00-0566	EA	Cleaning Level 2 - Mylar, Each For Document Restoration .....	3.50
02 90 50 00-0567	EA	Cleaning Level 3 - Blue Prints, Each For Document Restoration .....	4.97
02 90 50 00-0568	CF	Cleaning Level 3 - Document Per CF For Document Restoration .....	174.65
02 90 50 00-0569	EA	Cleaning Level 3 - Linen, Each For Document Restoration .....	4.97
02 90 50 00-0570	EA	Cleaning Level 3 - Mylar, Each For Document Restoration .....	4.97
02 90 50 00-0571	EA	Cleaning Level 4 - All Fire-Blue Print, Each For Document Restoration .....	6.96
02 90 50 00-0572	EA	Cleaning Level 4 - All Fire-Linen, Each For Document Restoration .....	6.96



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0573	EA	Cleaning Level 4 - All Fire-Mylar, Each For Document Restoration.....	6.96	
02 90 50 00-0574	CF	Cleaning Level 4 - Light Fire-Docum Per CF For Document Restoration.....	218.27	
02 90 50 00-0575	EA	Cleaning Level 5 - Severe Fire-Blue Print, Each For Document Restoration.....	7.72	
02 90 50 00-0576	CF	Cleaning Level 5 - Severe Fire-Docum Per CF For Document Restoration.....	327.50	
02 90 50 00-0577	EA	Cleaning Level 5 - Severe Fire-Linen, Each For Document Restoration.....	7.72	
02 90 50 00-0578	EA	Cleaning Level 5 - Severe Fire-Mylar, Each For Document Restoration.....	7.72	
02 90 50 00-0579	EA	Cleaning Microfiche Sheets, Each For Document Restoration.....	2.74	
02 90 50 00-0580	EA	Cleaning Microfiche Strips, Each For Document Restoration.....	0.64	
02 90 50 00-0581	EA	Cleaning Microfilm Rolls (In House), Per Roll For Document Restoration.....	100.27	
02 90 50 00-0582	EA	Cleaning Microfilm Rolls (Outside), Per Roll For Document Restoration.....	140.39	
02 90 50 00-0583	EA	Cleaning Photographs Negatives, Per Negative For Document Restoration.....	2.74	
02 90 50 00-0584	EA	Cleaning Photographs, Each For Document Restoration.....	0.64	
02 90 50 00-0585	EA	Cleaning Record Albums, Each For Document Restoration.....	4.03	
02 90 50 00-0586	EA	Cleaning VHS And Beta Tapes-In House, Each For Document Restoration.....	10.03	
02 90 50 00-0587	EA	Cleaning VHS And Beta Tapes-Outside, Each For Document Restoration.....	40.10	
02 90 50 00-0588	EA	Cleaning X Ray 1-1000, Per Film For Document Restoration.....	3.74	
02 90 50 00-0589	EA	Cleaning X Ray 1K-5K, Per Film For Document Restoration.....	3.19	
02 90 50 00-0590	EA	Cleaning X Ray 5K-Up, Per Film For Document Restoration.....	2.51	
02 90 50 00-0591	EA	Copying Clean Water, Per Page For Document Restoration.....	0.36	
02 90 50 00-0592	EA	Copying Greywater Fire, Per Page For Document Restoration.....	1.08	
02 90 50 00-0593	CF	Deodorization, Vapor Tech For Document Restoration.....	6.90	
02 90 50 00-0594	CF	Disinfectant-Fogging For Document Restoration.....	14.06	
02 90 50 00-0595	EA	Document Disposal In House No Shredding For Document Restoration.....	53.58	
02 90 50 00-0596	EA	Document Disposal In House With Shredding For Document Restoration.....	14.62	
02 90 50 00-0597	CF	Up To 150 CF, Drying-MCS Center For Document Restoration.....	180.48	
02 90 50 00-0598	CF	>150 To 500 CF, Drying-MCS Center For Document Restoration.....	140.39	
02 90 50 00-0599	CF	>500 CF, Drying-MCS Center For Document Restoration.....	120.32	
02 90 50 00-0600	CF	>50 To 150 CF, Drying-MCS Center For Document Restoration.....	160.43	
02 90 50 00-0601	CF	Up To 500 CF, Drying-Onsite For Document Restoration.....	300.80	
02 90 50 00-0602	CF	>500 CF, Drying-Onsite For Document Restoration.....	184.53	
02 90 50 00-0603	EA	Drying Antique Books, Each For Document Restoration.....	40.10	
02 90 50 00-0604	EA	Drying Blue Prints, Each For Document Restoration.....	5.02	
02 90 50 00-0605	EA	DVD Scanning And Diagnostics, Each For Document Restoration.....	10.03	
02 90 50 00-0606	EA	Freeze Drying (In House) For Document Restoration.....	90.91	
02 90 50 00-0607	EA	Freeze Drying (Outside) For Document Restoration.....	77.92	
02 90 50 00-0608	EA	Up To 48 CF, Irradiation - Gamma (Minimum Charge) For Document Restoration.....	2,142.86	
02 90 50 00-0609	CF	>48 CF, Irradiation - Gamma (Per CF Charge) For Document Restoration.....	19.48	
02 90 50 00-0610	EA	Minimal Drying Jobs For Document Restoration.....	902.60	
02 90 50 00-0611	EA	Monthly Storage For Document Restoration.....	168.26	
02 90 50 00-0612	EA	Mylar Prints For Document Restoration.....	10.03	
02 90 50 00-0613	CF	Ozoning For Document Restoration.....	6.19	
02 90 50 00-0614	CF	Stabilization Freezer Storage, Per Cubic Foot Per Month For Document Restoration.....	7.84	
02 90 50 00-0615	MO	Stabilization Freezer Storage, Per Page-Per Month For Document Restoration.....	0.10	
02 90 50 00-0616	EA	Wood Pallets, Each For Document Restoration.....	21.81	

END OF SECTION 02

**02 Existing Conditions**

**02 90 Disaster Recovery**

**02 90 50 Cleaning and Emergency Clean-up**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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

#### 03 01 Maintenance of Concrete (03)

#### 03 01 30 Maintenance of Cast-In-Place Concrete (03 01)

#### 03 01 30 51 Cleaning of Cast-In-Place Concrete (03 01 30)

##### 03 01 30 51-0001 Abrasive Blasting (03 01 30 51)

Note: Includes containment and clean-up of all material. Includes steel ball media.

03 01 30 51-0002	SF Concrete Floors, Abrasive Shot Blasting.....	2.31	
	<i>For Up To 100, Add</i>	2.70	
	<i>For &gt;100 To 250, Add</i>	0.68	
	<i>For &gt;250 To 500, Add</i>	0.34	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
	<i>For &gt;10,000, Deduct</i>	-0.14	
03 01 30 51-0003	SF Concrete Walls, Abrasive Shot Blasting.....	3.66	
	<i>For Up To 100, Add</i>	5.40	
	<i>For &gt;100 To 250, Add</i>	1.35	
	<i>For &gt;250 To 500, Add</i>	0.68	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.14	
	<i>For &gt;10,000, Deduct</i>	-0.27	

#### 03 01 30 71 Rehabilitation of Cast-In-Place Concrete (03 01 30)

##### 03 01 30 71-0001 Concrete Resurfacing/Repair (03 01 30 71)

See CSI section 09 01 90 52-0002 for surface preparation as required.

##### 03 01 30 71-0002 Spall Concrete Repair (03 01 30 71-0001)

Note: Includes removal of defective concrete with chipping hammers, water blasting, cleaning of rebar, formwork, cementitious mortar, curing, and finishing.

03 01 30 71-0003	SF Spall Concrete Repair, Up To 3/4" Deep On Vertical/Overhead Surfaces.....	77.62	
	<i>For Up To 100, Add</i>	147.42	
	<i>For &gt;100 To 250, Add</i>	73.71	
03 01 30 71-0004	SF Spall Concrete Repair, >3/4" To 1-1/2" Deep On Vertical/Overhead Surfaces.....	89.71	
	<i>For Up To 100, Add</i>	163.80	
	<i>For &gt;100 To 250, Add</i>	81.90	
03 01 30 71-0005	SF Spall Concrete Repair, >1-1/2" To 3" Deep On Vertical/Overhead Surfaces.....	134.56	
	<i>For Up To 100, Add</i>	245.68	
	<i>For &gt;100 To 250, Add</i>	122.84	
03 01 30 71-0006	SF Spall Concrete Repair, >3" To 4" Deep On Vertical/Overhead Surfaces.....	175.33	
	<i>For Up To 100, Add</i>	319.40	
	<i>For &gt;100 To 250, Add</i>	159.70	
03 01 30 71-0007	SF Spall Concrete Repair, Up To 3/4" Deep On Floor Surfaces.....	55.50	
	<i>For Up To 100, Add</i>	103.18	
	<i>For &gt;100 To 250, Add</i>	51.59	
03 01 30 71-0008	SF Spall Concrete Repair, >3/4" To 1-1/2" Deep On Floor Surfaces.....	65.13	
	<i>For Up To 100, Add</i>	114.64	
	<i>For &gt;100 To 250, Add</i>	57.32	
03 01 30 71-0009	SF Spall Concrete Repair, >1-1/2" To 3" Deep On Floor Surfaces.....	97.71	
	<i>For Up To 100, Add</i>	171.98	
	<i>For &gt;100 To 250, Add</i>	85.99	
03 01 30 71-0010	SF Spall Concrete Repair, >3" To 4" Deep On Floor Surfaces.....	127.42	
	<i>For Up To 100, Add</i>	223.58	
	<i>For &gt;100 To 250, Add</i>	111.79	

##### 03 01 30 71-0011 Concrete Cleaning (03 01 30 71-0001)

03 01 30 71-0012	SF Clean Calcite/Staining On Concrete.....	20.49	
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##### 03 01 30 71-0013 Concrete Repair (03 01 30 71-0001)

##### 03 01 30 71-0014 Decks Or Floors (03 01 30 71-0013)

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0015	SF Patch Decks Or Floors With 1/8" To 1/4" Thick Cementitious Mortar.....	5.69	
03 01 30 71-0016	SF Patch Decks Or Floors With 1/8" To 1/4" Thick Epoxy Cementitious Mortar.....	17.26	
03 01 30 71-0017	SF Patch Decks Or Floors With White Aluminum Oxide Grit (Non Slip Aggregate).....	0.50	

##### 03 01 30 71-0018 Verticals Or Overheads (03 01 30 71-0013)

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0019	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Cementitious Mortar.....	8.57	
03 01 30 71-0020	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Epoxy Cementitious Mortar.....	24.09	
03 01 30 71-0021	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Latex Cementitious Mortar.....	27.01	
03 01 30 71-0022	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Elastomeric Compound.....	7.13	
03 01 30 71-0023	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Copolymer Cementitious Compound.....	12.49	

Note: Rapid Set - WunderFixx

##### 03 01 30 71-0024 Bridge Deck Treatment (03 01 30 71-0013)

03 01 30 71-0025	SF Sweep Bridge Deck.....	0.02	
03 01 30 71-0026	SF Clean Bridge Deck.....	0.02	
03 01 30 71-0027	SF Treat Bridge Deck With Methacrylate Resin Sealant.....	1.71	

**03 Concrete****03 01 Maintenance of Concrete****03 01 30 Maintenance of Cast-In-Place Concrete**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 01 30 71-0028	Concrete Finishes <small>(03 01 30 71-0001)</small>		
03 01 30 71-0029	Concrete Patching <small>(03 01 30 71-0028)</small>		
03 01 30 71-0030	Walls <small>(03 01 30 71-0029)</small>		
03 01 30 71-0031	BAG Sika Top 111 Plus.....	129.47	
	Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 lbs. of 3/8" pea gravel).		
	For Up To 10, Add	44.05	
	For >10 To 25, Add	26.43	
	For >25 To 50, Add	17.62	
	For >50 To 75, Add	8.81	
03 01 30 71-0032	BAG Sika Grout 212, 50 LB Bag.....	90.30	
	Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.		
	For Up To 10, Add	27.91	
	For >10 To 25, Add	16.74	
	For >25 To 50, Add	11.16	
	For >50 To 75, Add	5.58	
03 01 30 71-0033	EA Sika Flex 1A, 10.3 Ounce Tube.....	33.70	
	Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.		
03 01 30 71-0034	BAG Pea Gravel.....	24.27	
03 01 30 71-0035	Crack Repair For Concrete <small>(03 01 30 71-0001)</small>		
03 01 30 71-0036	Non Structural Crack Repair For Concrete <small>(03 01 30 71-0035)</small>		
03 01 30 71-0037	Surface Applied, Non Structural Crack Repair For Concrete <small>(03 01 30 71-0036)</small>		
	Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.		
03 01 30 71-0038	LF Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	5.42	
	For V-Grooving Crack With Grinder, Add	4.35	
03 01 30 71-0039	LF >1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	7.07	
	For V-Grooving Crack With Grinder, Add	4.24	
03 01 30 71-0040	LF Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	5.52	
	For V-Grooving Crack With Grinder, Add	4.35	
03 01 30 71-0041	LF >1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	7.26	
	For V-Grooving Crack With Grinder, Add	4.24	
03 01 30 71-0042	LF Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	5.87	
	For V-Grooving Crack With Grinder, Add	4.35	
03 01 30 71-0043	LF >1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	7.96	
	For V-Grooving Crack With Grinder, Add	4.24	
03 01 30 71-0044	LF Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	6.12	
	For V-Grooving Crack With Grinder, Add	4.35	
03 01 30 71-0045	LF >1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	8.47	
	For V-Grooving Crack With Grinder, Add	4.24	
03 01 30 71-0046	Pressure Injected, Non Structural Crack Repair For Concrete <small>(03 01 30 71-0036)</small>		
	Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0047	LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570).....	23.67	
	For Cracks Accessible From Both Sides, Add	4.81	
03 01 30 71-0048	Structural Crack Repair For Concrete <small>(03 01 30 71-0035)</small>		
03 01 30 71-0049	Surface Applied, Structural Crack Repair For Concrete <small>(03 01 30 71-0048)</small>		
	Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.		
03 01 30 71-0050	LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	6.19	
	For V-Grooving Crack With Grinder, Add	4.35	
03 01 30 71-0051	LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	8.60	
	For V-Grooving Crack With Grinder, Add	4.24	
03 01 30 71-0052	LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52).....	5.99	
	For V-Grooving Crack With Grinder, Add	4.35	
03 01 30 71-0053	LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52).....	8.20	
	For V-Grooving Crack With Grinder, Add	4.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 01 30 71-0054	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix) .....	7.19	
		For V-Grooving Crack With Grinder, Add		4.35
03 01 30 71-0055	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix) .....	10.61	
		For V-Grooving Crack With Grinder, Add		4.24

**03 01 30 71-0056 Pressure Injected, Structural Crack Repair For Concrete** (03 01 30 71-0048)

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.

03 01 30 71-0057	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35) .....	20.94	
		For Cracks Accessible From Both Sides, Add		4.81
03 01 30 71-0058	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52) .....	20.74	
		For Cracks Accessible From Both Sides, Add		4.81

**03 01 30 71-0059 Carbon Fiber Strengthening System** (03 01 30 71-0001)

Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.

03 01 30 71-0060	SF	Carbon Fiber Strengthening System Beams, Per Layer .....	70.02	
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
03 01 30 71-0061	SF	Carbon Fiber Strengthening System Columns, Per Layer .....	61.57	
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
03 01 30 71-0062	SF	Carbon Fiber Strengthening System Slabs, Per Layer .....	54.18	
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		

**03 01 30 72 Strengthening Of Cast-in-Place Concrete** (03 01 30)

**03 01 30 72-0001 Concrete Surface Repairs** (03 01 30 72)

03 01 30 72-0002	SF	Sound The Concrete Surface To Locate Delaminated Areas .....	0.34	
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**03 05 Common Work Results For Concrete** (03)

**03 05 13 Concrete Admixtures** (03 05)

**03 05 13 00-0001 Concrete Admixtures** (03 05 13)

03 05 13 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture .....	4.64	
03 05 13 00-0003	CY	Set Retarding, Type B Concrete Admixture .....	3.22	
03 05 13 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture .....	5.00	
03 05 13 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture .....	10.00	
03 05 13 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture .....	8.93	
03 05 13 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture .....	17.86	
03 05 13 00-0008	CY	Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture .....	3.86	
03 05 13 00-0009	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture .....	5.36	
03 05 13 00-0010	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture .....	10.72	
03 05 13 00-0011	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture .....	4.52	
03 05 13 00-0012	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture .....	8.58	
03 05 13 00-0013	CY	1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture .....	11.43	
03 05 13 00-0014	CY	25 LB/CY Steel Fibers, Concrete Admixture .....	26.57	
03 05 13 00-0015	CY	10% Microsilica (Silica Fume), Concrete Admixture .....	57.17	
03 05 13 00-0016	CY	Corrosion Inhibiting Concrete Admixture .....	21.44	
03 05 13 00-0017	CY	Winter Service Or Heat, Concrete Add .....	5.00	
03 05 13 00-0018	CY	Chilled Water, Concrete Add .....	5.00	
03 05 13 00-0019	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture .....	28.94	
03 05 13 00-0020	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture .....	48.24	
03 05 13 00-0021	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture .....	92.61	
03 05 13 00-0022	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture .....	128.63	

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

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

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

Note: Per square foot of formwork.

**03 11 13 00-0001 Wood Formwork** (03 11 13)

Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.

**03 11 13 00-0002 Foundation Wood Formwork** (03 11 13 00-0001)

Note: For foundation work below or at grade.

03 11 13 00-0003	SF	Continuous Footings Foundation Wood Formwork .....	8.79	
		For <1,000, Add		1.53
		For Foundations >8' Below Grade, Add		1.41
		For Curved Formwork, Add		2.82
03 11 13 00-0004	SF	Pile Cap, Pier Or Spread Footings Foundation Wood Formwork .....	10.27	
		For <1,000, Add		1.81
		For Foundations >8' Below Grade, Add		1.69
		For Curved Formwork, Add		3.38

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0005	SF		Mat Foundation Wood Formwork.....	11.77	
			For <1,000, Add	2.11	
			For Foundations >8' Below Grade, Add	1.99	
			For Curved Formwork, Add	3.98	
03 11 13 00-0006	SF		Grade Beams Or Duct Bank Foundation Wood Formwork .....	10.08	
			For <1,000, Add	1.77	
			For Foundations >8' Below Grade, Add	1.65	
			For Curved Formwork, Add	3.30	
03 11 13 00-0007	SF		Below Grade Walls Foundation Wood Formwork.....	14.32	
			Note: Excludes footing		
			For <1,000, Add	2.51	
			For Foundations >8' Below Grade, Add	2.33	
			For Curved Formwork, Add	4.67	
<b>03 11 13 00-0008</b>			<b>Slab Edge And Block-Out Wood Formwork</b> (03 11 13 00-0001)		
03 11 13 00-0009	LF		Up To 6" High Slab Edge and Block-Out Wood Formwork .....	6.45	
			For Foundations >8' Below Grade, Add	1.11	
			For Curved Formwork, Add	2.21	
			For Up To 250, Add	1.17	
03 11 13 00-0010	LF		>6" To 12" High Slab Edge and Block-Out Wood Formwork.....	9.65	
			For Foundations >8' Below Grade, Add	1.57	
			For Curved Formwork, Add	3.13	
			For Up To 250, Add	1.69	
03 11 13 00-0011	SF		>12" High Slab Edge and Block-Out Wood Formwork .....	12.50	
			For Foundations >8' Below Grade, Add	2.03	
			For Curved Formwork, Add	4.06	
			For <1,000, Add	2.19	
<b>03 11 13 00-0012</b>			<b>Column Wood Formwork</b> (03 11 13 00-0001)		
03 11 13 00-0013	LF		Up To 8" Square Column Wood Formwork.....	52.22	
03 11 13 00-0014	LF		>8" To 12" Square Column Wood Formwork .....	78.65	
03 11 13 00-0015	LF		>12" To 18" Square Column Wood Formwork .....	97.25	
03 11 13 00-0016	LF		>18" To 24" Square Column Wood Formwork .....	135.58	
03 11 13 00-0017	LF		>24" To 36" Square Column Wood Formwork .....	193.44	
03 11 13 00-0018	LF		>36" To 48" Square Column Wood Formwork .....	252.20	
<b>03 11 13 00-0019</b>			<b>Above Grade Wall Wood Formwork</b> (03 11 13 00-0001)		
03 11 13 00-0020	SF		Up To 8' High Above Grade Wall Wood Formwork.....	15.75	
			For Curved Formwork, Add	5.24	
			For <1,000, Add	2.80	
03 11 13 00-0021	SF		>8' High Above Grade Wall Wood Formwork.....	18.58	
			For Curved Formwork, Add	6.21	
			For <1,000, Add	3.31	
<b>03 11 13 00-0022</b>			<b>Elevated Beam Wood Formwork</b> (03 11 13 00-0001)		
			Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023	SF		Bottom of Elevated Beam Wood Formwork .....	19.53	
			For Curved Formwork, Add	6.72	
			For <1,000, Add	3.54	
03 11 13 00-0024	SF		Vertical Sides of Elevated Beam Wood Formwork.....	13.03	
			For Curved Formwork, Add	4.36	
			For <1,000, Add	2.32	
<b>03 11 13 00-0025</b>			<b>Elevated Slab Wood Formwork</b> (03 11 13 00-0001)		
			Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026	SF		Elevated Slab Wood Formwork.....	12.22	
			For <1,000, Add	2.10	
<b>03 11 13 00-0027</b>			<b>Metal Framed Formwork</b> (03 11 13)		
			Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
<b>03 11 13 00-0028</b>			<b>Foundation Metal Framed Formwork</b> (03 11 13 00-0027)		
			Note: For foundation work below or at grade.		
03 11 13 00-0029	SF		Continuous Footings Foundation Metal Framed Formwork .....	6.85	
			For <1,000, Add	1.26	
			For Foundations >8' Below Grade, Add	1.21	
			For Curved Formwork, Add	2.42	
03 11 13 00-0030	SF		Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork .....	7.60	
			For <1,000, Add	1.41	
			For Foundations >8' Below Grade, Add	1.36	
			For Curved Formwork, Add	2.72	
03 11 13 00-0031	SF		Mat Foundation Metal Framed Formwork .....	8.50	
			For <1,000, Add	1.57	
			For Foundations >8' Below Grade, Add	1.50	
			For Curved Formwork, Add	3.00	
03 11 13 00-0032	SF		Grade Beams Or Duct Bank Foundation Metal Framed Formwork.....	7.18	
			For <1,000, Add	1.32	
			For Foundations >8' Below Grade, Add	1.26	
			For Curved Formwork, Add	2.52	

	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0033	SF	Below Grade Walls Foundation Metal Framed Formwork..... Note: Excludes footing. For <1,000, Add For Foundations >8' Below Grade, Add For Curved Formwork, Add	10.95  2.05 1.97 3.95	
<b>03 11 13 00-0034 Slab Edge And Block-Out Metal Framed Formwork (03 11 13 00-0027)</b>				
03 11 13 00-0035	LF	Up To 6" High Slab Edge and Block-Out Metal Framed Formwork..... For Foundations >8' Below Grade, Add For Curved Formwork, Add For <250, Add	4.92 0.96 1.92 0.97	
03 11 13 00-0036	LF	>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork..... For Foundations >8' Below Grade, Add For Curved Formwork, Add For <250, Add	6.15 1.19 2.39 1.21	
03 11 13 00-0037	SF	>12" High Slab Edge and Block-Out Metal Framed Formwork..... For Foundations >8' Below Grade, Add For Curved Formwork, Add For <1,000, Add	6.82 1.32 2.64 1.34	
<b>03 11 13 00-0038 Column Metal Framed Formwork (03 11 13 00-0027)</b>				
<b>03 11 13 00-0039 Square Columns (03 11 13 00-0038)</b>				
03 11 13 00-0040	LF	Up To 12" Square Column Metal Framed Formwork.....	41.80	
03 11 13 00-0041	LF	>12" To 16" Square Column Metal Framed Formwork.....	50.50	
03 11 13 00-0042	LF	>16" To 20" Square Column Metal Framed Formwork.....	59.21	
03 11 13 00-0043	LF	>20" To 24" Square Column Metal Framed Formwork.....	70.76	
03 11 13 00-0044	LF	>24" To 30" Square Column Metal Framed Formwork.....	85.23	
03 11 13 00-0045	LF	>30" To 36" Square Column Metal Framed Formwork.....	102.33	
03 11 13 00-0046	LF	>36" To 48" Square Column Metal Framed Formwork.....	131.27	
03 11 13 00-0047	LF	>48" To 60" Square Column Metal Framed Formwork.....	161.88	
<b>03 11 13 00-0048 Round Columns (03 11 13 00-0038)</b>				
03 11 13 00-0049	LF	Up To 12" Diameter Column Metal Formwork.....	40.62	
03 11 13 00-0050	LF	>12" To 16" Diameter Column Metal Formwork.....	45.21	
03 11 13 00-0051	LF	>16" To 20" Diameter Column Metal Formwork.....	51.92	
03 11 13 00-0052	LF	>20" To 24" Diameter Column Metal Formwork.....	60.61	
03 11 13 00-0053	LF	>24" To 30" Diameter Column Metal Formwork.....	71.60	
03 11 13 00-0054	LF	>30" To 36" Diameter Column Metal Formwork.....	82.03	
03 11 13 00-0055	LF	>36" To 48" Diameter Column Metal Formwork.....	106.15	
03 11 13 00-0056	LF	>48" To 60" Diameter Column Metal Formwork.....	138.07	
<b>03 11 13 00-0057 Above Grade Wall Metal Framed Formwork (03 11 13 00-0027)</b>				
03 11 13 00-0058	SF	Up to 8' High Above Grade Wall Metal Framed Formwork..... For Curved Formwork, Add For <1,000, Add	6.71 2.25 1.20	
03 11 13 00-0059	SF	>8' High Above Grade Wall Metal Framed Formwork..... For Curved Formwork, Add For <1,000, Add	8.18 2.71 1.45	
<b>03 11 13 00-0060 Elevated Beam Metal Framed Formwork (03 11 13 00-0027)</b>				
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.				
03 11 13 00-0061	SF	Bottom of Elevated Beam Metal Framed Formwork..... For Curved Formwork, Add For <1,000, Add	6.58 2.09 1.14	
03 11 13 00-0062	SF	Vertical Sides of Elevated Beam Metal Framed Formwork..... For Curved Formwork, Add For <1,000, Add	4.99 1.65 0.88	
<b>03 11 13 00-0063 Elevated Slab Metal Framed Formwork (03 11 13 00-0027)</b>				
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.				
03 11 13 00-0064	SF	Elevated Slab Metal Framed Formwork..... For <1,000, Add	8.63 1.34	
<b>03 11 13 00-0065 Fiber Tube Formwork (03 11 13)</b>				
Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.				
<b>03 11 13 00-0066 Round Column Fiber Tube Formwork (03 11 13 00-0065)</b>				
03 11 13 00-0067	LF	6" Diameter Round Fiber Tube Formwork..... For Plastic Lined, Add For Columns >12' In Length, Add	17.34 0.62 1.73	
03 11 13 00-0068	LF	8" Diameter Round Fiber Tube Formwork..... For Plastic Lined, Add For Columns >12' In Length, Add	18.28 0.74 1.83	
03 11 13 00-0069	LF	10" Diameter Round Fiber Tube Formwork..... For Plastic Lined, Add For Columns >12' In Length, Add	20.19 0.85 2.02	
03 11 13 00-0070	LF	12" Diameter Round Fiber Tube Formwork..... For Plastic Lined, Add For Columns >12' In Length, Add	23.79 1.22 2.38	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0071	LF		14" Diameter Round Fiber Tube Formwork..... <i>For Plastic Lined, Add</i> <i>For Columns &gt;12' In Length, Add</i>	26.85 1.65 2.69	
03 11 13 00-0072	LF		16" Diameter Round Fiber Tube Formwork..... <i>For Plastic Lined, Add</i> <i>For Columns &gt;12' In Length, Add</i>	29.07 2.09 2.91	
03 11 13 00-0073	LF		18" Diameter Round Fiber Tube Formwork..... <i>For Plastic Lined, Add</i> <i>For Columns &gt;12' In Length, Add</i>	30.54 2.27 3.05	
03 11 13 00-0074	LF		20" Diameter Round Fiber Tube Formwork..... <i>For Plastic Lined, Add</i> <i>For Columns &gt;12' In Length, Add</i>	33.26 2.83 3.33	
03 11 13 00-0075	LF		22" Diameter Round Fiber Tube Formwork..... <i>For Plastic Lined, Add</i> <i>For Columns &gt;12' In Length, Add</i>	36.39 3.41 3.64	
03 11 13 00-0076	LF		24" Diameter Round Fiber Tube Formwork..... <i>For Plastic Lined, Add</i> <i>For Columns &gt;12' In Length, Add</i>	39.54 3.99 3.95	
03 11 13 00-0077	LF		26" Diameter Round Fiber Tube Formwork..... <i>For Plastic Lined, Add</i> <i>For Columns &gt;12' In Length, Add</i>	41.22 4.36 4.12	
03 11 13 00-0078	LF		28" Diameter Round Fiber Tube Formwork..... <i>For Plastic Lined, Add</i> <i>For Columns &gt;12' In Length, Add</i>	43.82 5.00 4.38	
03 11 13 00-0079	LF		30" Diameter Round Fiber Tube Formwork..... <i>For Plastic Lined, Add</i> <i>For Columns &gt;12' In Length, Add</i>	46.62 5.69 4.66	
03 11 13 00-0080	LF		36" Diameter Round Fiber Tube Formwork..... <i>For Plastic Lined, Add</i> <i>For Columns &gt;12' In Length, Add</i>	56.52 8.15 5.65	
03 11 13 00-0081	LF		42" Diameter Round Fiber Tube Formwork..... <i>For Plastic Lined, Add</i> <i>For Columns &gt;12' In Length, Add</i>	76.72 13.83 7.67	
03 11 13 00-0082	LF		48" Diameter Round Fiber Tube Formwork..... <i>For Plastic Lined, Add</i> <i>For Columns &gt;12' In Length, Add</i>	91.28 17.83 9.13	
03 11 13 00-0083	LF		54" Diameter Round Fiber Tube Formwork..... <i>For Plastic Lined, Add</i> <i>For Columns &gt;12' In Length, Add</i>	151.08 35.17 15.11	
03 11 13 00-0084	LF		60" Diameter Round Fiber Tube Formwork..... <i>For Plastic Lined, Add</i> <i>For Columns &gt;12' In Length, Add</i>	167.84 39.74 16.78	
03 11 13 00-0085			<b>Accessories For Formwork</b> (03 11 13)		
03 11 13 00-0086			<b>Keyway Forms, All Materials</b> (03 11 13 00-0085)		
03 11 13 00-0087	LF		2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials.....	2.27	
03 11 13 00-0088			<b>Chamfer Strips, All Materials</b> (03 11 13 00-0085)		
03 11 13 00-0089	LF		1/2" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.38	
03 11 13 00-0090	LF		3/4" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.83	
03 11 13 00-0091	LF		1" Wide Chamfer Strips for Concrete Formwork, All Materials.....	3.26	
03 11 13 00-0092			<b>Strip Out Reglets For Concrete Formwork</b> (03 11 13 00-0085)		
03 11 13 00-0093	LF		24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork .....	10.47	
03 11 13 00-0094			<b>Sleeves And Chases, Plastic Or Sheet Metal</b> (03 11 13 00-0085)		
03 11 13 00-0095	EA		2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....	12.51	
03 11 13 00-0096	EA		4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....	15.10	
03 11 13 00-0097	EA		6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....	18.25	
03 11 13 00-0098	EA		8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....	20.64	
03 11 13 00-0099	EA		12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....	26.57	
03 11 13 00-0100	EA		18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....	57.55	
03 11 16			<b>Architectural Cast-In-Place Concrete Forming</b> (03 11)		
03 11 16 13			<b>Concrete Form Liners</b> (03 11 16)		
03 11 16 13-0001			<b>Concrete Form Liners</b> (03 11 16 13)		
03 11 16 13-0002	SF		Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork.....	5.01	
03 11 16 13-0003	SF		Beveled Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork .....	6.78	
03 11 16 13-0004	SF		Square Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork.....	8.92	
03 11 23			<b>Permanent Stair Forming</b> (03 11)		
03 11 23 00-0001			<b>Stairway Wood Formwork</b> (03 11 23)		
03 11 23 00-0002	SF		Cast On Grade Stairway Wood Formwork .....	18.44	
			<i>For Curved Formwork, Add</i>	6.76	
			<i>For &lt;1,000, Add</i>	3.48	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 11 23 00-0003	SF	Elevated Stairway Wood Formwork .....	37.11	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	13.26	
		For <1,000, Add	6.90	

**03 11 23 00-0004 Stairway Metal Framed Formwork** (03 11 23)

03 11 23 00-0005	SF	Cast On Grade Stairway Metal Framed Formwork .....	14.35	
		For Curved Formwork, Add	5.44	
		For <1,000, Add	2.77	
03 11 23 00-0006	SF	Elevated Stairway Metal Framed Formwork .....	26.51	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	10.09	
		For <1,000, Add	5.13	

**03 15 Concrete Accessories** (03 10)

**03 15 13 Waterstops** (03 15)

**03 15 13 13 Non-Expanding Waterstops** (03 15 13)

**03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops** (03 15 13 13)

03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop .....	8.09	
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop .....	9.05	
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb .....	10.77	
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb .....	11.78	
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop .....	17.17	
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop .....	8.62	
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop .....	10.87	
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop .....	18.66	
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb .....	14.95	

**03 15 13 13-0011 Rubber Waterstops** (03 15 13 13)

03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop .....	9.07	
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop .....	10.35	
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb .....	9.36	
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb .....	12.67	
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb .....	10.66	
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb .....	13.50	

**03 15 13 16 Expanding Waterstops** (03 15 13)

**03 15 13 16-0001 Bentonite Waterstops** (03 15 13 16)

03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop .....	7.07	
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop .....	10.70	
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop .....	11.97	
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop .....	13.47	

**03 15 16 Concrete Construction Joints** (03 15)

**03 15 16 00-0001 Poured Expansion Joint** (03 15 16)

03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured .....	2.04	0.75
		For Installation In Walls, Add	1.26	
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured .....	3.33	0.75
		For Installation In Walls, Add	1.42	
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied .....	2.51	0.75
		For Installation In Walls, Add	1.26	
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied .....	5.22	0.75
		For Installation In Walls, Add	1.42	
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts .....	3.43	0.75
		For Installation In Walls, Add	1.42	
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, 2 Parts .....	6.12	0.75
		For Installation In Walls, Add	2.30	
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied .....	2.14	0.75
		For Installation In Walls, Add	1.26	
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant .....	2.38	0.75
		For Installation In Walls, Add	1.26	
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant .....	4.57	0.75
		For Installation In Walls, Add	1.42	

**03 15 16 00-0011 Premolded Expansion Joints** (03 15 16)

**03 15 16 00-0012 Asphalt Saturated Fiber, Premolded Expansion Joints** (03 15 16 00-0011)

03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.28	1.05
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.65	1.10
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.85	1.16
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.07	1.21
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.51	1.05
03 15 16 00-0018	LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.82	1.10
03 15 16 00-0019	LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.18	1.16
03 15 16 00-0020	LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.70	1.21
03 15 16 00-0021	LF	1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.27	1.00

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0022	LF		1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.47	1.05
03 15 16 00-0023	LF		1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.73	1.10
03 15 16 00-0024	LF		1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.94	1.16
03 15 16 00-0025	LF		1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.19	1.21
03 15 16 00-0026	LF		1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.57	1.26
03 15 16 00-0027	LF		1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.84	1.31
03 15 16 00-0028	LF		1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint.....	4.33	1.36
03 15 16 00-0029	LF		3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.75	1.10
03 15 16 00-0030	LF		3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.17	1.16
03 15 16 00-0031	LF		3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.90	1.26
03 15 16 00-0032	SF		1" Asphalt Saturated Fiber, Premolded Expansion Joint.....	6.83	1.73
<b>03 15 16 00-0033</b>			<b>Cork, Premolded Expansion Joints (03 15 16 00-0011)</b>		
03 15 16 00-0034	LF		1/2" x 4" Cork, Premolded Expansion Joint.....	4.02	1.10
03 15 16 00-0035	LF		1/2" x 6" Cork, Premolded Expansion Joint.....	4.52	1.21
03 15 16 00-0036	LF		1/2" x 8" Cork, Premolded Expansion Joint.....	4.93	1.26
03 15 16 00-0037	LF		1/2" x 10" Cork, Premolded Expansion Joint.....	6.98	1.31
03 15 16 00-0038	LF		1/2" x 12" Cork, Premolded Expansion Joint.....	7.44	1.36
03 15 16 00-0039	SF		1/2" Cork, Premolded Expansion Joint.....	8.17	1.73
03 15 16 00-0040	SF		3/4" Cork, Premolded Expansion Joint.....	9.52	1.73
03 15 16 00-0041	SF		1" Cork, Premolded Expansion Joint.....	10.14	1.73
<b>03 15 16 00-0042</b>			<b>Flexible Polyethylene Foam, Premolded Expansion Joints (03 15 16 00-0011)</b>		
03 15 16 00-0043	LF		1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.49	1.10
03 15 16 00-0044	LF		1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.60	1.16
03 15 16 00-0045	LF		1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.74	1.21
03 15 16 00-0046	LF		1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint.....	3.21	1.26
03 15 16 00-0047	LF		1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.57	1.10
03 15 16 00-0048	LF		1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.68	1.16
03 15 16 00-0049	LF		1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.79	1.21
03 15 16 00-0050	LF		1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint.....	3.08	1.26
<b>03 15 16 00-0051</b>			<b>Zip Strip, Premolded Expansion Joints (03 15 16 00-0011)</b>		
03 15 16 00-0052	LF		1" Zip Strip, Premolded Expansion Joint.....	2.52	1.10
03 15 16 00-0053	LF		1-1/2" Zip Strip, Premolded Expansion Joint.....	2.76	1.16
03 15 16 00-0054	LF		2" Zip Strip, Premolded Expansion Joint.....	3.07	1.26
<b>03 15 16 00-0055</b>			<b>Sponge Rubber, Premolded Expansion Joints (03 15 16 00-0011)</b>		
03 15 16 00-0056	LF		1/2" x 4" Sponge Rubber, Premolded Expansion Joint.....	4.10	1.05
03 15 16 00-0057	LF		1/2" x 6" Sponge Rubber, Premolded Expansion Joint.....	4.92	1.05
<b>03 15 16 00-0058</b>			<b>Asphalt Felt Control Joints Or Bond Breaker (03 15 16)</b>		
03 15 16 00-0059	SF		Asphalt Felt Control Joint, 30 LB Felt Bond Breaker.....	1.14	0.79
			>1,250, Deduct	-0.06	
03 15 16 00-0060	SF		Asphalt Felt Control Joint, 15 LB Felt Bond Breaker.....	1.10	0.79
			>1,250, Deduct	-0.06	
<b>03 15 16 00-0061</b>			<b>Keyed Cold Expansion And Control Joints (03 15 16)</b>		
<b>03 15 16 00-0062</b>			<b>24 Gauge Galvanized Steel With Stakes (03 15 16 00-0061)</b>		
03 15 16 00-0063	LF		24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint.....	5.84	
03 15 16 00-0064	LF		24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint.....	5.93	
03 15 16 00-0065	LF		24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint.....	6.15	
03 15 16 00-0066	LF		24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint.....	6.48	
03 15 16 00-0067	LF		24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint.....	7.87	
<b>03 15 19</b>			<b>Cast-In Concrete Anchors (03 15)</b>		
<b>03 15 19 00-0001</b>			<b>Cast In Place Anchors (03 15 19)</b>		
			Note: For cast in place installations. Includes nut and washer.		
<b>03 15 19 00-0002</b>			<b>J-Type Anchor Bolts (03 15 19 00-0001)</b>		
			See CSI section 03 11 13 00-0002 for template.		
<b>03 15 19 00-0003</b>			<b>1/2" And 5/8" Diameter (03 15 19 00-0002)</b>		
03 15 19 00-0004	EA		1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	8.06	
			For Galvanized, Add	1.05	
			For Stainless Steel, Add	7.35	
			For >10 To 50, Deduct	-0.30	
			For >50 To 100, Deduct	-0.65	
			For >100, Deduct	-1.30	
03 15 19 00-0005	EA		1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	9.10	
			For Galvanized, Add	1.34	
			For Stainless Steel, Add	9.38	
			For >10 To 50, Deduct	-0.32	
			For >50 To 100, Deduct	-0.71	
			For >100, Deduct	-1.42	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 15 19 00-0006	EA		1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	10.64	
				For Galvanized, Add	1.85	
				For Stainless Steel, Add	12.92	
				For >10 To 50, Deduct	-0.35	
				For >50 To 100, Deduct	-0.79	
				For >100, Deduct	-1.57	
	03 15 19 00-0007	EA		5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	11.76	
				For Galvanized, Add	2.41	
				For Stainless Steel, Add	16.84	
				For >10 To 50, Deduct	-0.35	
				For >50 To 100, Deduct	-0.82	
				For >100, Deduct	-1.63	
	03 15 19 00-0008	EA		5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	14.02	
				For Galvanized, Add	3.22	
				For Stainless Steel, Add	22.51	
				For >10 To 50, Deduct	-0.38	
				For >50 To 100, Deduct	-0.92	
				For >100, Deduct	-1.84	
	03 15 19 00-0009	EA		5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	15.69	
				For Galvanized, Add	3.68	
				For Stainless Steel, Add	25.73	
				For >10 To 50, Deduct	-0.42	
				For >50 To 100, Deduct	-1.02	
				For >100, Deduct	-2.04	
	<b>03 15 19 00-0010</b>			<b>3/4" And 7/8" Diameter</b> (03 15 19 00-0002)		
	03 15 19 00-0011	EA		3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	15.63	
				For Galvanized, Add	3.65	
				For Stainless Steel, Add	25.52	
				For >10 To 50, Deduct	-0.42	
				For >50 To 100, Deduct	-1.02	
				For >100, Deduct	-2.03	
	03 15 19 00-0012	EA		3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	17.77	
				For Galvanized, Add	4.25	
				For Stainless Steel, Add	29.75	
				For >10 To 50, Deduct	-0.46	
				For >50 To 100, Deduct	-1.14	
				For >100, Deduct	-2.28	
	03 15 19 00-0013	EA		3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	21.32	
				For Galvanized, Add	5.45	
				For Stainless Steel, Add	38.12	
				For >10 To 50, Deduct	-0.52	
				For >50 To 100, Deduct	-1.32	
				For >100, Deduct	-2.63	
	03 15 19 00-0014	EA		3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	25.41	
				For Galvanized, Add	6.86	
				For Stainless Steel, Add	48.02	
				For >10 To 50, Deduct	-0.58	
				For >50 To 100, Deduct	-1.51	
				For >100, Deduct	-3.02	
	03 15 19 00-0015	EA		7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	20.40	
				For Galvanized, Add	4.99	
				For Stainless Steel, Add	34.90	
				For >10 To 50, Deduct	-0.52	
				For >50 To 100, Deduct	-1.29	
				For >100, Deduct	-2.58	
	03 15 19 00-0016	EA		7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	23.86	
				For Galvanized, Add	5.97	
				For Stainless Steel, Add	41.79	
				For >10 To 50, Deduct	-0.60	
				For >50 To 100, Deduct	-1.49	
				For >100, Deduct	-2.98	
	03 15 19 00-0017	EA		7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	29.81	
				For Galvanized, Add	7.96	
				For Stainless Steel, Add	55.69	
				For >10 To 50, Deduct	-0.70	
				For >50 To 100, Deduct	-1.79	
				For >100, Deduct	-3.58	
	<b>03 15 19 00-0018</b>			<b>1" And 1-1/8" Diameter</b> (03 15 19 00-0002)		
	03 15 19 00-0019	EA		1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	24.82	
				For Galvanized, Add	6.45	
				For Stainless Steel, Add	45.15	
				For >10 To 50, Deduct	-0.60	
				For >50 To 100, Deduct	-1.51	
				For >100, Deduct	-3.03	
	03 15 19 00-0020	EA		1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	29.42	
				For Galvanized, Add	7.76	
				For Stainless Steel, Add	54.32	
				For >10 To 50, Deduct	-0.70	
				For >50 To 100, Deduct	-1.78	
				For >100, Deduct	-3.56	
	03 15 19 00-0021	EA		1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	36.13	
				For Galvanized, Add	9.73	
				For Stainless Steel, Add	68.08	
				For >10 To 50, Deduct	-0.83	
				For >50 To 100, Deduct	-2.15	
				For >100, Deduct	-4.31	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 15 19 00-0022	EA 1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	44.62	
	For Galvanized, Add	11.89	
	For Stainless Steel, Add	83.20	
	For >10 To 50, Deduct	-1.04	
	For >50 To 100, Deduct	-2.68	
	For >100, Deduct	-5.36	
03 15 19 00-0023	EA 1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	29.21	
	For Galvanized, Add	8.06	
	For Stainless Steel, Add	56.42	
	For >10 To 50, Deduct	-0.65	
	For >50 To 100, Deduct	-1.71	
	For >100, Deduct	-3.42	
03 15 19 00-0024	EA 1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	34.66	
	For Galvanized, Add	9.70	
	For Stainless Steel, Add	67.90	
	For >10 To 50, Deduct	-0.76	
	For >50 To 100, Deduct	-2.01	
	For >100, Deduct	-4.02	
03 15 19 00-0025	EA 1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	42.64	
	For Galvanized, Add	12.16	
	For Stainless Steel, Add	85.12	
	For >10 To 50, Deduct	-0.92	
	For >50 To 100, Deduct	-2.44	
	For >100, Deduct	-4.88	
03 15 19 00-0026	EA 1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	52.61	
	For Galvanized, Add	14.86	
	For Stainless Steel, Add	103.99	
	For >10 To 50, Deduct	-1.15	
	For >50 To 100, Deduct	-3.03	
	For >100, Deduct	-6.07	
<b>03 15 19 00-0027</b>	<b>1-1/4" And 1-1/2" Diameter</b> <small>(03 15 19 00-0002)</small>		
03 15 19 00-0028	EA 1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	34.65	
	For Galvanized, Add	10.08	
	For Stainless Steel, Add	70.53	
	For >10 To 50, Deduct	-0.73	
	For >50 To 100, Deduct	-1.95	
	For >100, Deduct	-3.91	
03 15 19 00-0029	EA 1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	41.16	
	For Galvanized, Add	12.13	
	For Stainless Steel, Add	84.91	
	For >10 To 50, Deduct	-0.85	
	For >50 To 100, Deduct	-2.30	
	For >100, Deduct	-4.59	
03 15 19 00-0030	EA 1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	50.70	
	For Galvanized, Add	15.21	
	For Stainless Steel, Add	106.44	
	For >10 To 50, Deduct	-1.01	
	For >50 To 100, Deduct	-2.79	
	For >100, Deduct	-5.58	
03 15 19 00-0031	EA 1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	62.50	
	For Galvanized, Add	18.57	
	For Stainless Steel, Add	129.99	
	For >10 To 50, Deduct	-1.27	
	For >50 To 100, Deduct	-3.46	
	For >100, Deduct	-6.93	
03 15 19 00-0032	EA 1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	41.44	
	For Galvanized, Add	12.60	
	For Stainless Steel, Add	88.17	
	For >10 To 50, Deduct	-0.81	
	For >50 To 100, Deduct	-2.25	
	For >100, Deduct	-4.51	
03 15 19 00-0033	EA 1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	49.28	
	For Galvanized, Add	15.16	
	For Stainless Steel, Add	106.12	
	For >10 To 50, Deduct	-0.95	
	For >50 To 100, Deduct	-2.65	
	For >100, Deduct	-5.31	
03 15 19 00-0034	EA 1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	60.78	
	For Galvanized, Add	19.01	
	For Stainless Steel, Add	133.07	
	For >10 To 50, Deduct	-1.14	
	For >50 To 100, Deduct	-3.23	
	For >100, Deduct	-6.45	
03 15 19 00-0035	EA 1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	74.86	
	For Galvanized, Add	23.21	
	For Stainless Steel, Add	162.47	
	For >10 To 50, Deduct	-1.42	
	For >50 To 100, Deduct	-4.00	
	For >100, Deduct	-8.01	
<b>03 15 19 00-0036</b>	<b>L-Type Anchor Bolts</b> <small>(03 15 19 00-0001)</small>		
	See CSI section 03 11 13 00-0002 for template.		
<b>03 15 19 00-0037</b>	<b>3/4" And 7/8" Diameter</b> <small>(03 15 19 00-0008)</small>		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0038	EA			3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....14.85		
				For Galvanized, Add	2.79	
				For Stainless Steel, Add	19.53	
				For >10 To 50, Deduct	-0.46	
				For >50 To 100, Deduct	-1.07	
				For >100, Deduct	-2.13	
03 15 19 00-0039	EA			3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....17.32		
				For Galvanized, Add	3.45	
				For Stainless Steel, Add	24.12	
				For >10 To 50, Deduct	-0.52	
				For >50 To 100, Deduct	-1.22	
				For >100, Deduct	-2.43	
03 15 19 00-0040	EA			3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....19.82		
				For Galvanized, Add	3.95	
				For Stainless Steel, Add	27.65	
				For >10 To 50, Deduct	-0.60	
				For >50 To 100, Deduct	-1.39	
				For >100, Deduct	-2.78	
03 15 19 00-0041	EA			3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....22.10		
				For Galvanized, Add	4.10	
				For Stainless Steel, Add	28.70	
				For >10 To 50, Deduct	-0.70	
				For >50 To 100, Deduct	-1.60	
				For >100, Deduct	-3.19	
03 15 19 00-0042	EA			3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....25.29		
				For Galvanized, Add	4.31	
				For Stainless Steel, Add	30.14	
				For >10 To 50, Deduct	-0.83	
				For >50 To 100, Deduct	-1.88	
				For >100, Deduct	-3.77	
03 15 19 00-0043	EA			7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....17.34		
				For Galvanized, Add	3.46	
				For Stainless Steel, Add	24.19	
				For >10 To 50, Deduct	-0.52	
				For >50 To 100, Deduct	-1.22	
				For >100, Deduct	-2.43	
03 15 19 00-0044	EA			7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....19.97		
				For Galvanized, Add	4.03	
				For Stainless Steel, Add	28.18	
				For >10 To 50, Deduct	-0.60	
				For >50 To 100, Deduct	-1.39	
				For >100, Deduct	-2.79	
03 15 19 00-0045	EA			7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....23.14		
				For Galvanized, Add	4.62	
				For Stainless Steel, Add	32.34	
				For >10 To 50, Deduct	-0.70	
				For >50 To 100, Deduct	-1.62	
				For >100, Deduct	-3.24	
03 15 19 00-0046	EA			7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....26.27		
				For Galvanized, Add	4.80	
				For Stainless Steel, Add	33.57	
				For >10 To 50, Deduct	-0.83	
				For >50 To 100, Deduct	-1.91	
				For >100, Deduct	-3.82	
03 15 19 00-0047	EA			7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....30.92		
				For Galvanized, Add	5.04	
				For Stainless Steel, Add	35.25	
				For >10 To 50, Deduct	-1.04	
				For >50 To 100, Deduct	-2.34	
				For >100, Deduct	-4.67	
<b>03 15 19 00-0048</b>				<b>1" And 1-1/8" Diameter</b> (03 15 19 00-0036) .....20.79		
03 15 19 00-0049	EA			1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....20.79		
				For Galvanized, Add	4.44	
				For Stainless Steel, Add	31.05	
				For >10 To 50, Deduct	-0.60	
				For >50 To 100, Deduct	-1.41	
				For >100, Deduct	-2.83	
03 15 19 00-0050	EA			1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....23.87		
				For Galvanized, Add	4.99	
				For Stainless Steel, Add	34.90	
				For >10 To 50, Deduct	-0.70	
				For >50 To 100, Deduct	-1.64	
				For >100, Deduct	-3.28	
03 15 19 00-0051	EA			1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....27.83		
				For Galvanized, Add	5.58	
				For Stainless Steel, Add	39.03	
				For >10 To 50, Deduct	-0.83	
				For >50 To 100, Deduct	-1.95	
				For >100, Deduct	-3.89	
03 15 19 00-0052	EA			1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....29.81		
				For Galvanized, Add	5.84	
				For Stainless Steel, Add	40.88	
				For >10 To 50, Deduct	-0.91	
				For >50 To 100, Deduct	-2.11	
				For >100, Deduct	-4.21	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 15 19 00-0053	EA		1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	33.08	
			<i>For Galvanized, Add</i>	6.12	
			<i>For Stainless Steel, Add</i>	42.81	
			<i>For &gt;10 To 50, Deduct</i>	-1.04	
			<i>For &gt;50 To 100, Deduct</i>	-2.39	
			<i>For &gt;100, Deduct</i>	-4.78	
03 15 19 00-0054	EA		1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	37.34	
			<i>For Galvanized, Add</i>	7.09	
			<i>For Stainless Steel, Add</i>	49.60	
			<i>For &gt;10 To 50, Deduct</i>	-1.16	
			<i>For &gt;50 To 100, Deduct</i>	-2.67	
			<i>For &gt;100, Deduct</i>	-5.34	
03 15 19 00-0055	EA		1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	44.39	
			<i>For Galvanized, Add</i>	8.29	
			<i>For Stainless Steel, Add</i>	58.03	
			<i>For &gt;10 To 50, Deduct</i>	-1.39	
			<i>For &gt;50 To 100, Deduct</i>	-3.20	
			<i>For &gt;100, Deduct</i>	-6.39	
03 15 19 00-0056	EA		1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	25.56	
			<i>For Galvanized, Add</i>	5.83	
			<i>For Stainless Steel, Add</i>	40.81	
			<i>For &gt;10 To 50, Deduct</i>	-0.70	
			<i>For &gt;50 To 100, Deduct</i>	-1.68	
			<i>For &gt;100, Deduct</i>	-3.36	
03 15 19 00-0057	EA		1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	29.73	
			<i>For Galvanized, Add</i>	6.53	
			<i>For Stainless Steel, Add</i>	45.68	
			<i>For &gt;10 To 50, Deduct</i>	-0.83	
			<i>For &gt;50 To 100, Deduct</i>	-1.99	
			<i>For &gt;100, Deduct</i>	-3.99	
03 15 19 00-0058	EA		1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	31.79	
			<i>For Galvanized, Add</i>	6.83	
			<i>For Stainless Steel, Add</i>	47.81	
			<i>For &gt;10 To 50, Deduct</i>	-0.91	
			<i>For &gt;50 To 100, Deduct</i>	-2.15	
			<i>For &gt;100, Deduct</i>	-4.31	

**03 15 19 00-0059 1-1/4" And 1-3/8" Diameter** (03 15 19 00-0036)

03 15 19 00-0060	EA		1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	30.78	
			<i>For Galvanized, Add</i>	7.05	
			<i>For Stainless Steel, Add</i>	49.35	
			<i>For &gt;10 To 50, Deduct</i>	-0.83	
			<i>For &gt;50 To 100, Deduct</i>	-2.02	
			<i>For &gt;100, Deduct</i>	-4.04	
03 15 19 00-0061	EA		1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	37.35	
			<i>For Galvanized, Add</i>	8.25	
			<i>For Stainless Steel, Add</i>	57.75	
			<i>For &gt;10 To 50, Deduct</i>	-1.04	
			<i>For &gt;50 To 100, Deduct</i>	-2.50	
			<i>For &gt;100, Deduct</i>	-5.00	
03 15 19 00-0062	EA		1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	40.64	
			<i>For Galvanized, Add</i>	9.35	
			<i>For Stainless Steel, Add</i>	65.42	
			<i>For &gt;10 To 50, Deduct</i>	-1.10	
			<i>For &gt;50 To 100, Deduct</i>	-2.66	
			<i>For &gt;100, Deduct</i>	-5.32	
03 15 19 00-0063	EA		1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	44.28	
			<i>For Galvanized, Add</i>	10.56	
			<i>For Stainless Steel, Add</i>	73.89	
			<i>For &gt;10 To 50, Deduct</i>	-1.16	
			<i>For &gt;50 To 100, Deduct</i>	-2.84	
			<i>For &gt;100, Deduct</i>	-5.69	
03 15 19 00-0064	EA		1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	49.03	
			<i>For Galvanized, Add</i>	11.48	
			<i>For Stainless Steel, Add</i>	80.36	
			<i>For &gt;10 To 50, Deduct</i>	-1.30	
			<i>For &gt;50 To 100, Deduct</i>	-3.18	
			<i>For &gt;100, Deduct</i>	-6.36	
03 15 19 00-0065	EA		1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	54.38	
			<i>For Galvanized, Add</i>	12.29	
			<i>For Stainless Steel, Add</i>	86.03	
			<i>For &gt;10 To 50, Deduct</i>	-1.49	
			<i>For &gt;50 To 100, Deduct</i>	-3.59	
			<i>For &gt;100, Deduct</i>	-7.19	
03 15 19 00-0066	EA		1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	61.07	
			<i>For Galvanized, Add</i>	13.16	
			<i>For Stainless Steel, Add</i>	92.09	
			<i>For &gt;10 To 50, Deduct</i>	-1.74	
			<i>For &gt;50 To 100, Deduct</i>	-4.13	
			<i>For &gt;100, Deduct</i>	-8.27	
03 15 19 00-0067	EA		1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	70.82	
			<i>For Galvanized, Add</i>	14.55	
			<i>For Stainless Steel, Add</i>	101.85	
			<i>For &gt;10 To 50, Deduct</i>	-2.09	
			<i>For &gt;50 To 100, Deduct</i>	-4.90	
			<i>For &gt;100, Deduct</i>	-9.80	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0068	EA			1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....34.31		
				For Galvanized, Add	8.82	
				For Stainless Steel, Add	61.71	
				For >10 To 50, Deduct	-0.83	
				For >50 To 100, Deduct	-2.11	
				For >100, Deduct	-4.22	
03 15 19 00-0069	EA			1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....41.48		
				For Galvanized, Add	10.32	
				For Stainless Steel, Add	72.21	
				For >10 To 50, Deduct	-1.04	
				For >50 To 100, Deduct	-2.60	
				For >100, Deduct	-5.20	
03 15 19 00-0070	EA			1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....45.31		
				For Galvanized, Add	11.68	
				For Stainless Steel, Add	81.76	
				For >10 To 50, Deduct	-1.10	
				For >50 To 100, Deduct	-2.78	
				For >100, Deduct	-5.56	
03 15 19 00-0071	EA			1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....49.55		
				For Galvanized, Add	13.19	
				For Stainless Steel, Add	92.33	
				For >10 To 50, Deduct	-1.16	
				For >50 To 100, Deduct	-2.98	
				For >100, Deduct	-5.95	
03 15 19 00-0072	EA			1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....54.77		
				For Galvanized, Add	14.35	
				For Stainless Steel, Add	100.45	
				For >10 To 50, Deduct	-1.30	
				For >50 To 100, Deduct	-3.32	
				For >100, Deduct	-6.65	
03 15 19 00-0073	EA			1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....60.54		
				For Galvanized, Add	15.37	
				For Stainless Steel, Add	107.59	
				For >10 To 50, Deduct	-1.49	
				For >50 To 100, Deduct	-3.75	
				For >100, Deduct	-7.50	
03 15 19 00-0074	EA			1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....67.92		
				For Galvanized, Add	16.58	
				For Stainless Steel, Add	116.06	
				For >10 To 50, Deduct	-1.74	
				For >50 To 100, Deduct	-4.31	
				For >100, Deduct	-8.61	
03 15 19 00-0075	EA			1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....78.10		
				For Galvanized, Add	18.19	
				For Stainless Steel, Add	127.33	
				For >10 To 50, Deduct	-2.09	
				For >50 To 100, Deduct	-5.08	
				For >100, Deduct	-10.16	
<b>03 15 19 00-0076</b>				<b>1-1/2", 1-3/4", And 2" Diameter (03 15 19 00-0036)</b> .....43.40		
03 15 19 00-0077	EA			1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....43.40		
				For Galvanized, Add	12.22	
				For Stainless Steel, Add	85.54	
				For >10 To 50, Deduct	-0.95	
				For >50 To 100, Deduct	-2.51	
				For >100, Deduct	-5.01	
03 15 19 00-0078	EA			1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....47.58		
				For Galvanized, Add	12.82	
				For Stainless Steel, Add	89.71	
				For >10 To 50, Deduct	-1.10	
				For >50 To 100, Deduct	-2.84	
				For >100, Deduct	-5.67	
03 15 19 00-0079	EA			1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....52.74		
				For Galvanized, Add	14.10	
				For Stainless Steel, Add	98.70	
				For >10 To 50, Deduct	-1.23	
				For >50 To 100, Deduct	-3.16	
				For >100, Deduct	-6.32	
03 15 19 00-0080	EA			1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....56.88		
				For Galvanized, Add	15.41	
				For Stainless Steel, Add	107.84	
				For >10 To 50, Deduct	-1.30	
				For >50 To 100, Deduct	-3.38	
				For >100, Deduct	-6.75	
03 15 19 00-0081	EA			1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....61.23		
				For Galvanized, Add	16.71	
				For Stainless Steel, Add	116.97	
				For >10 To 50, Deduct	-1.39	
				For >50 To 100, Deduct	-3.62	
				For >100, Deduct	-7.23	
03 15 19 00-0082	EA			1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....68.03		
				For Galvanized, Add	17.97	
				For Stainless Steel, Add	125.79	
				For >10 To 50, Deduct	-1.60	
				For >50 To 100, Deduct	-4.11	
				For >100, Deduct	-8.22	

## 03 Concrete

## 03 10 Concrete Forming and Accessories

## 03 15 Concrete Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0083	EA		1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	76.80	
			For Galvanized, Add	19.44	
			For Stainless Steel, Add	136.08	
			For >10 To 50, Deduct	-1.90	
			For >50 To 100, Deduct	-4.76	
			For >100, Deduct	-9.53	
03 15 19 00-0084	EA		1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	89.47	
			For Galvanized, Add	21.56	
			For Stainless Steel, Add	150.92	
			For >10 To 50, Deduct	-2.32	
			For >50 To 100, Deduct	-5.71	
			For >100, Deduct	-11.43	
03 15 19 00-0085	EA		1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	57.62	
			For Galvanized, Add	18.39	
			For Stainless Steel, Add	128.70	
			For >10 To 50, Deduct	-1.04	
			For >50 To 100, Deduct	-3.00	
			For >100, Deduct	-6.01	
03 15 19 00-0086	EA		1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	60.74	
			For Galvanized, Add	18.79	
			For Stainless Steel, Add	131.50	
			For >10 To 50, Deduct	-1.16	
			For >50 To 100, Deduct	-3.26	
			For >100, Deduct	-6.51	
03 15 19 00-0087	EA		1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	62.71	
			For Galvanized, Add	19.09	
			For Stainless Steel, Add	133.60	
			For >10 To 50, Deduct	-1.23	
			For >50 To 100, Deduct	-3.41	
			For >100, Deduct	-6.82	
03 15 19 00-0088	EA		1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	70.16	
			For Galvanized, Add	22.05	
			For Stainless Steel, Add	154.32	
			For >10 To 50, Deduct	-1.30	
			For >50 To 100, Deduct	-3.71	
			For >100, Deduct	-7.42	
03 15 19 00-0089	EA		1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	80.70	
			For Galvanized, Add	25.45	
			For Stainless Steel, Add	178.15	
			For >10 To 50, Deduct	-1.49	
			For >50 To 100, Deduct	-4.25	
			For >100, Deduct	-8.51	
03 15 19 00-0090	EA		1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	86.33	
			For Galvanized, Add	25.79	
			For Stainless Steel, Add	180.50	
			For >10 To 50, Deduct	-1.74	
			For >50 To 100, Deduct	-4.77	
			For >100, Deduct	-9.53	
03 15 19 00-0091	EA		1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	97.41	
			For Galvanized, Add	27.85	
			For Stainless Steel, Add	194.92	
			For >10 To 50, Deduct	-2.09	
			For >50 To 100, Deduct	-5.56	
			For >100, Deduct	-11.13	
03 15 19 00-0092	EA		1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	112.12	
			For Galvanized, Add	29.99	
			For Stainless Steel, Add	209.93	
			For >10 To 50, Deduct	-2.61	
			For >50 To 100, Deduct	-6.71	
			For >100, Deduct	-13.43	
03 15 19 00-0093	EA		2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	80.51	
			For Galvanized, Add	27.99	
			For Stainless Steel, Add	195.90	
			For >10 To 50, Deduct	-1.23	
			For >50 To 100, Deduct	-3.85	
			For >100, Deduct	-7.71	
03 15 19 00-0094	EA		2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	88.32	
			For Galvanized, Add	30.26	
			For Stainless Steel, Add	211.79	
			For >10 To 50, Deduct	-1.39	
			For >50 To 100, Deduct	-4.29	
			For >100, Deduct	-8.59	
03 15 19 00-0095	EA		2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	98.05	
			For Galvanized, Add	32.98	
			For Stainless Steel, Add	230.86	
			For >10 To 50, Deduct	-1.60	
			For >50 To 100, Deduct	-4.86	
			For >100, Deduct	-9.72	
03 15 19 00-0096	EA		2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	107.77	
			For Galvanized, Add	34.93	
			For Stainless Steel, Add	244.48	
			For >10 To 50, Deduct	-1.90	
			For >50 To 100, Deduct	-5.54	
			For >100, Deduct	-11.08	
03 15 19 00-0097	EA		2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	116.78	
			For Galvanized, Add	37.53	
			For Stainless Steel, Add	262.71	
			For >10 To 50, Deduct	-2.09	
			For >50 To 100, Deduct	-6.05	
			For >100, Deduct	-12.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 15 19 00-0098	EA	2"	Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	126.50	
			For Galvanized, Add	40.08	
			For Stainless Steel, Add	280.53	
			For >10 To 50, Deduct	-2.32	
			For >50 To 100, Deduct	-6.64	
			For >100, Deduct	-13.28	
03 15 19 00-0099	EA	2"	Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	145.67	
			For Galvanized, Add	43.04	
			For Stainless Steel, Add	301.28	
			For >10 To 50, Deduct	-2.98	
			For >50 To 100, Deduct	-8.11	
			For >100, Deduct	-16.22	
03 15 19 00-0100	EA	2"	Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	154.22	
			For Galvanized, Add	47.32	
			For Stainless Steel, Add	331.21	
			For >10 To 50, Deduct	-2.98	
			For >50 To 100, Deduct	-8.32	
			For >100, Deduct	-16.65	
03 15 19 00-0101	EA	2"	Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	174.71	
			For Galvanized, Add	52.60	
			For Stainless Steel, Add	368.17	
			For >10 To 50, Deduct	-3.48	
			For >50 To 100, Deduct	-9.58	
			For >100, Deduct	-19.16	

**03 15 19 00-0102      2-1/2" And 2-3/4" Diameter** (03 15 19 00-0036)

03 15 19 00-0103	EA	2-1/2"	Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	148.90	
			For Galvanized, Add	62.18	
			For Stainless Steel, Add	435.26	
			For >10 To 50, Deduct	-1.23	
			For >50 To 100, Deduct	-5.56	
			For >100, Deduct	-11.13	
03 15 19 00-0104	EA	2-1/2"	Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	157.80	
			For Galvanized, Add	65.00	
			For Stainless Steel, Add	454.97	
			For >10 To 50, Deduct	-1.39	
			For >50 To 100, Deduct	-6.03	
			For >100, Deduct	-12.06	
03 15 19 00-0105	EA	2-1/2"	Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	173.06	
			For Galvanized, Add	70.49	
			For Stainless Steel, Add	493.40	
			For >10 To 50, Deduct	-1.60	
			For >50 To 100, Deduct	-6.73	
			For >100, Deduct	-13.47	
03 15 19 00-0106	EA	2-1/2"	Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	186.48	
			For Galvanized, Add	74.28	
			For Stainless Steel, Add	519.96	
			For >10 To 50, Deduct	-1.90	
			For >50 To 100, Deduct	-7.51	
			For >100, Deduct	-15.01	
03 15 19 00-0107	EA	2-1/2"	Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	198.24	
			For Galvanized, Add	78.26	
			For Stainless Steel, Add	547.82	
			For >10 To 50, Deduct	-2.09	
			For >50 To 100, Deduct	-8.09	
			For >100, Deduct	-16.17	
03 15 19 00-0108	EA	2-1/2"	Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	211.79	
			For Galvanized, Add	82.72	
			For Stainless Steel, Add	579.04	
			For >10 To 50, Deduct	-2.32	
			For >50 To 100, Deduct	-8.77	
			For >100, Deduct	-17.54	
03 15 19 00-0109	EA	2-1/2"	Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	234.16	
			For Galvanized, Add	87.29	
			For Stainless Steel, Add	611.00	
			For >10 To 50, Deduct	-2.98	
			For >50 To 100, Deduct	-10.32	
			For >100, Deduct	-20.65	
03 15 19 00-0110	EA	2-3/4"	Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	166.85	
			For Galvanized, Add	70.39	
			For Stainless Steel, Add	492.73	
			For >10 To 50, Deduct	-1.30	
			For >50 To 100, Deduct	-6.13	
			For >100, Deduct	-12.25	
03 15 19 00-0111	EA	2-3/4"	Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	180.39	
			For Galvanized, Add	75.30	
			For Stainless Steel, Add	527.07	
			For >10 To 50, Deduct	-1.49	
			For >50 To 100, Deduct	-6.74	
			For >100, Deduct	-13.49	
03 15 19 00-0112	EA	2-3/4"	Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	195.26	
			For Galvanized, Add	80.25	
			For Stainless Steel, Add	561.75	
			For >10 To 50, Deduct	-1.74	
			For >50 To 100, Deduct	-7.49	
			For >100, Deduct	-14.98	

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

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 15 19 00-0113	EA	2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	211.14	
		<i>For Galvanized, Add</i>	84.71	
		<i>For Stainless Steel, Add</i>	592.97	
		<i>For &gt;10 To 50, Deduct</i>	-2.09	
		<i>For &gt;50 To 100, Deduct</i>	-8.41	
		<i>For &gt;100, Deduct</i>	-16.82	
03 15 19 00-0114	EA	2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	225.52	
		<i>For Galvanized, Add</i>	89.59	
		<i>For Stainless Steel, Add</i>	627.10	
		<i>For &gt;10 To 50, Deduct</i>	-2.32	
		<i>For &gt;50 To 100, Deduct</i>	-9.11	
		<i>For &gt;100, Deduct</i>	-18.23	
03 15 19 00-0115	EA	2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	245.15	
		<i>For Galvanized, Add</i>	96.51	
		<i>For Stainless Steel, Add</i>	675.54	
		<i>For &gt;10 To 50, Deduct</i>	-2.61	
		<i>For &gt;50 To 100, Deduct</i>	-10.04	
		<i>For &gt;100, Deduct</i>	-20.08	
03 15 19 00-0116	EA	2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	273.14	
		<i>For Galvanized, Add</i>	101.81	
		<i>For Stainless Steel, Add</i>	712.67	
		<i>For &gt;10 To 50, Deduct</i>	-3.48	
		<i>For &gt;50 To 100, Deduct</i>	-12.04	
		<i>For &gt;100, Deduct</i>	-24.09	

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

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

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

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

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

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

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.57	
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.95	
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.41	
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.94	
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.58	
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.97	
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.44	
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.98	
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.59	
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.99	
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.48	
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.04	
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.63	
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.26	
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.99	
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.85	
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	5.75	
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	7.91	
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	13.44	
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.10	
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.72	
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.37	
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.13	
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	5.03	
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	5.96	
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	8.22	
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	14.00	
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.60	
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.01	
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.52	
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.09	
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.70	
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.34	
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.10	
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.98	
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	5.91	
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	8.15	
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	13.86	

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

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

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar	0.60	
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar	1.01	
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar	1.49	
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar	2.05	
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar	0.61	
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar	1.03	
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar	1.52	

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar .....	2.09	
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar .....	0.62	
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar .....	1.05	
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar .....	1.56	
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar .....	2.15	
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar .....	2.77	
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar .....	3.42	
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar .....	4.17	
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar .....	5.06	
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar .....	5.99	
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar .....	8.24	
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar .....	13.94	
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar .....	2.21	
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar .....	2.86	
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar .....	3.53	
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar .....	4.31	
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar .....	5.24	
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar .....	6.20	
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar .....	8.55	
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar .....	14.50	
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	0.63	
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	1.07	
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	1.60	
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	2.20	
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	2.84	
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	3.50	
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	4.28	
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	5.19	
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	6.15	
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	8.48	
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	14.36	

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

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

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar .....	0.51	
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar .....	0.87	
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar .....	1.29	
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar .....	1.78	
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar .....	0.52	
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar .....	0.89	
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar .....	1.32	
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar .....	1.82	
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar .....	0.53	
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar .....	0.91	
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar .....	1.36	
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar .....	1.88	
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar .....	2.43	
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar .....	3.02	
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar .....	3.70	
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar .....	4.52	
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar .....	5.38	
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar .....	7.43	
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar .....	12.68	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar .....	1.94	
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar .....	2.52	
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar .....	3.13	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar .....	3.84	
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar .....	4.70	
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar .....	5.59	
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar .....	7.74	
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar .....	13.24	
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	0.54	
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	0.93	
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	1.40	
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	1.93	
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	2.50	
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	3.10	
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	3.81	
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	4.65	
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	5.54	
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	7.67	
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	13.10	

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

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

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar .....	0.50	
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar .....	0.84	
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar .....	1.24	
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar .....	1.71	
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar .....	0.51	
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar .....	0.86	
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar .....	1.27	
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar .....	1.75	

MINOR  
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 TOTAL DIRECT DEMOLITION  
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03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.52	
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.88	
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.31	
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.81	
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.36	
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.94	
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.61	
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.41	
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	5.26	
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	7.27	
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	12.43	
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	1.87	
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.45	
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.05	
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.75	
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.59	
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	5.47	
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	7.58	
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	12.99	
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.53	
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.90	
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.35	
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.86	
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.43	
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.02	
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.72	
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.54	
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	5.42	
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	7.51	
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	12.85	

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

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

03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.46	
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.77	
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.16	
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.60	
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.47	
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.79	
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.19	
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.64	
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.48	
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.81	
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.23	
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.70	
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.23	
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.77	
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.43	
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.20	
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	5.01	
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	6.96	
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	11.93	
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	1.76	
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.32	
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.88	
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.57	
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.38	
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	5.22	
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	7.27	
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	12.49	
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.49	
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.83	
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.27	
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.75	
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.30	
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.85	
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.54	
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.33	
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	5.17	
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	7.20	
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	12.35	

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

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

03 21 11 00-0197	LF	#3, Grade 40, Walls, Steel Reinforcement Bar	0.44	
03 21 11 00-0198	LF	#4, Grade 40, Walls, Steel Reinforcement Bar	0.75	
03 21 11 00-0199	LF	#5, Grade 40, Walls, Steel Reinforcement Bar	1.11	
03 21 11 00-0200	LF	#6, Grade 40, Walls, Steel Reinforcement Bar	1.55	
03 21 11 00-0201	LF	#3, Grade 50, Walls, Steel Reinforcement Bar	0.45	
03 21 11 00-0202	LF	#4, Grade 50, Walls, Steel Reinforcement Bar	0.77	
03 21 11 00-0203	LF	#5, Grade 50, Walls, Steel Reinforcement Bar	1.14	
03 21 11 00-0204	LF	#6, Grade 50, Walls, Steel Reinforcement Bar	1.59	
03 21 11 00-0205	LF	#3, Grade 60, Walls, Steel Reinforcement Bar	0.46	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 11 00-0206	LF	#4, Grade 60, Walls, Steel Reinforcement Bar .....	0.79	
03 21 11 00-0207	LF	#5, Grade 60, Walls, Steel Reinforcement Bar .....	1.18	
03 21 11 00-0208	LF	#6, Grade 60, Walls, Steel Reinforcement Bar .....	1.65	
03 21 11 00-0209	LF	#7, Grade 60, Walls, Steel Reinforcement Bar .....	2.14	
03 21 11 00-0210	LF	#8, Grade 60, Walls, Steel Reinforcement Bar .....	2.70	
03 21 11 00-0211	LF	#9, Grade 60, Walls, Steel Reinforcement Bar .....	3.33	
03 21 11 00-0212	LF	#10, Grade 60, Walls, Steel Reinforcement Bar .....	4.09	
03 21 11 00-0213	LF	#11, Grade 60, Walls, Steel Reinforcement Bar .....	4.89	
03 21 11 00-0214	LF	#14, Grade 60, Walls, Steel Reinforcement Bar .....	6.80	
03 21 11 00-0215	LF	#18, Grade 60, Walls, Steel Reinforcement Bar .....	11.69	
03 21 11 00-0216	LF	#6, Grade 75, Walls, Steel Reinforcement Bar .....	1.71	
03 21 11 00-0217	LF	#7, Grade 75, Walls, Steel Reinforcement Bar .....	2.23	
03 21 11 00-0218	LF	#8, Grade 75, Walls, Steel Reinforcement Bar .....	2.81	
03 21 11 00-0219	LF	#9, Grade 75, Walls, Steel Reinforcement Bar .....	3.47	
03 21 11 00-0220	LF	#10, Grade 75, Walls, Steel Reinforcement Bar .....	4.27	
03 21 11 00-0221	LF	#11, Grade 75, Walls, Steel Reinforcement Bar .....	5.10	
03 21 11 00-0222	LF	#14, Grade 75, Walls, Steel Reinforcement Bar .....	7.11	
03 21 11 00-0223	LF	#18, Grade 75, Walls, Steel Reinforcement Bar .....	12.25	
03 21 11 00-0224	LF	#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	0.47	
03 21 11 00-0225	LF	#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	0.81	
03 21 11 00-0226	LF	#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	1.22	
03 21 11 00-0227	LF	#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	1.70	
03 21 11 00-0228	LF	#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	2.21	
03 21 11 00-0229	LF	#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	2.78	
03 21 11 00-0230	LF	#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	3.44	
03 21 11 00-0231	LF	#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	4.22	
03 21 11 00-0232	LF	#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	5.05	
03 21 11 00-0233	LF	#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	7.04	
03 21 11 00-0234	LF	#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	12.11	

03 21 11 00-0235		Mechanical Joint Connection <small>(03 21 11)</small>		
03 21 11 00-0236		Thermal Type Mechanical Joint Connection <small>(03 21 11 00-0235)</small>		
03 21 11 00-0237	EA	Thermal Type Mechanical Joint Connection, Add Per Splice.....	181.09	

03 21 11 00-0238		Screwed Type Mechanical Joint Connection <small>(03 21 11 00-0235)</small>		
03 21 11 00-0239	EA	Screwed Type Mechanical Joint Connection, Add Per Splice.....	99.73	

03 21 11 00-0240		Deformed Straight Dowels <small>(03 21 11)</small>		
		Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.		
03 21 11 00-0241	EA	3/8" Diameter x 24" Long, Deformed Straight Dowel .....	2.56	
		For Up To 12" Length, Deduct	-0.29	
		For >12" To <24" Length, Deduct	-0.15	
03 21 11 00-0242	EA	1/2" Diameter x 24" Long, Deformed Straight Dowel .....	3.06	
		For Up To 12" Length, Deduct	-0.38	
		For >12" To <24" Length, Deduct	-0.19	
03 21 11 00-0243	EA	5/8" Diameter x 24" Long, Deformed Straight Dowel .....	3.72	
		For Up To 12" Length, Deduct	-0.60	
		For >12" To <24" Length, Deduct	-0.30	
03 21 11 00-0244	EA	3/4" Diameter x 24" Long, Deformed Straight Dowel .....	4.50	
		For Up To 12" Length, Deduct	-0.87	
		For >12" To <24" Length, Deduct	-0.43	
03 21 11 00-0245	EA	7/8" Diameter x 24" Long, Deformed Straight Dowel .....	5.30	
		For Up To 12" Length, Deduct	-1.21	
		For >12" To <24" Length, Deduct	-0.61	
03 21 11 00-0246	EA	1" Diameter x 24" Long, Deformed Straight Dowel .....	6.68	
		For Up To 12" Length, Deduct	-1.55	
		For >12" To <24" Length, Deduct	-0.78	
03 21 11 00-0247	EA	1-1/8" Diameter x 24" Long, Deformed Straight Dowel .....	7.85	
		For Up To 12" Length, Deduct	-1.91	
		For >12" To <24" Length, Deduct	-0.96	
03 21 11 00-0248	EA	1-1/4" Diameter x 24" Long, Deformed Straight Dowel .....	9.60	
		For Up To 12" Length, Deduct	-2.50	
		For >12" To <24" Length, Deduct	-1.25	
03 21 11 00-0249	EA	1-3/8" Diameter x 24" Long, Deformed Straight Dowel .....	11.39	
		For Up To 12" Length, Deduct	-3.09	
		For >12" To <24" Length, Deduct	-1.54	

03 21 11 00-0250		Spirals, Reinforcing Steel <small>(03 21 11)</small>		
03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel .....	4,165.43	
		For Grade 75, Add	198.74	
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel.....	4,129.05	
		For Grade 75, Add	198.74	
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel.....	4,129.05	
		For Grade 75, Add	198.74	
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel.....	4,055.94	
		For Grade 75, Add	198.74	
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,994.58	
		For Grade 75, Add	198.74	
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,999.08	
		For Grade 75, Add	203.63	
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,947.71	
		For Grade 75, Add	203.63	

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST
DESCRIPTION			
03 21 11 00-0258			
03 21 11 00-0259			
03 21 11 00-0260	EA	50.08	
03 21 11 00-0261	EA	78.88	
03 21 11 00-0262			
03 21 11 00-0263	EA	27.45	
03 21 11 00-0264	EA	40.35	
03 21 11 00-0265	EA	58.48	
<b>03 21 13</b>	<b>Galvanized Reinforcement Steel Bars</b>		
03 21 13 00-0001			
03 21 13 00-0002	LF	0.67	
03 21 13 00-0003	LF	1.13	
03 21 13 00-0004	LF	1.71	
03 21 13 00-0005	LF	2.36	
03 21 13 00-0006	LF	0.68	
03 21 13 00-0007	LF	1.15	
03 21 13 00-0008	LF	1.74	
03 21 13 00-0009	LF	2.40	
03 21 13 00-0010	LF	0.70	
03 21 13 00-0011	LF	1.18	
03 21 13 00-0012	LF	1.78	
03 21 13 00-0013	LF	2.46	
03 21 13 00-0014	LF	3.21	
03 21 13 00-0015	LF	4.01	
03 21 13 00-0016	LF	4.95	
03 21 13 00-0017	LF	6.06	
03 21 13 00-0018	LF	7.24	
03 21 13 00-0019	LF	10.06	
03 21 13 00-0020	LF	17.26	
03 21 13 00-0021	LF	2.52	
03 21 13 00-0022	LF	3.29	
03 21 13 00-0023	LF	4.12	
03 21 13 00-0024	LF	5.09	
03 21 13 00-0025	LF	6.24	
03 21 13 00-0026	LF	7.46	
03 21 13 00-0027	LF	10.38	
03 21 13 00-0028	LF	17.82	
03 21 13 00-0029			
03 21 13 00-0030	LF	0.70	
03 21 13 00-0031	LF	1.19	
03 21 13 00-0032	LF	1.79	
03 21 13 00-0033	LF	2.47	
03 21 13 00-0034	LF	0.71	
03 21 13 00-0035	LF	1.21	
03 21 13 00-0036	LF	1.82	
03 21 13 00-0037	LF	2.51	
03 21 13 00-0038	LF	0.73	
03 21 13 00-0039	LF	1.24	
03 21 13 00-0040	LF	1.86	
03 21 13 00-0041	LF	2.57	
03 21 13 00-0042	LF	3.35	
03 21 13 00-0043	LF	4.17	
03 21 13 00-0044	LF	5.13	
03 21 13 00-0045	LF	6.27	
03 21 13 00-0046	LF	7.48	
03 21 13 00-0047	LF	10.39	
03 21 13 00-0048	LF	17.76	
03 21 13 00-0049	LF	2.63	
03 21 13 00-0050	LF	3.43	
03 21 13 00-0051	LF	4.28	
03 21 13 00-0052	LF	5.27	
03 21 13 00-0053	LF	6.45	
03 21 13 00-0054	LF	7.70	
03 21 13 00-0055	LF	10.71	
03 21 13 00-0056	LF	18.32	
03 21 13 00-0057			
03 21 13 00-0058	LF	0.61	
03 21 13 00-0059	LF	1.05	
03 21 13 00-0060	LF	1.59	
03 21 13 00-0061	LF	2.20	
03 21 13 00-0062	LF	0.62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar.....	1.07	
03 21 13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar.....	1.62	
03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar.....	2.24	
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar.....	0.64	
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar.....	1.10	
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar.....	1.66	
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar.....	2.30	
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar.....	3.01	
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar.....	3.77	
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar.....	4.66	
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar.....	5.73	
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar.....	6.87	
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar.....	9.58	
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar.....	16.50	
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar.....	2.36	
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar.....	3.09	
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar.....	3.88	
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar.....	4.80	
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar.....	5.91	
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar.....	7.09	
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar.....	9.90	
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar.....	17.06	

**03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar (03 21 13)**  
 Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar .....	0.60	
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar .....	1.02	
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar .....	1.54	
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar .....	2.13	
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar .....	0.61	
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar .....	1.04	
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar .....	1.57	
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar .....	2.17	
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	0.63	
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	1.07	
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	1.61	
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	2.23	
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	2.94	
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	3.69	
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	4.57	
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	5.62	
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	6.75	
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	9.42	
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	16.25	
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar .....	2.29	
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar .....	3.02	
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar .....	3.80	
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar .....	4.71	
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar .....	5.80	
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar .....	6.97	
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar .....	9.74	
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar .....	16.81	

**03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar (03 21 13)**  
 Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	0.56	
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	0.95	
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	1.46	
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	2.02	
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	0.57	
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	0.97	
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	1.49	
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	2.06	
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	0.59	
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	1.00	
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	1.53	
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	2.12	
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	2.81	
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	3.52	
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	4.39	
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	5.41	
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	6.50	
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	9.11	
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	15.75	
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	2.18	
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	2.89	
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	3.63	
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	4.53	
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	5.59	
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	6.72	
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	9.43	
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	16.31	

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST
DESCRIPTION			
03 21 13 00-0141			
<b>Walls, Galvanized Steel Reinforcement Bar</b> (03 21 13)			
Note: ASTM A-767 Hot Dipped Galvanized Steel.			
03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar.....	0.54
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar.....	0.93
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar.....	1.41
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar.....	1.97
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar.....	0.55
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar.....	0.95
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar.....	1.44
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar.....	2.01
03 21 13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar.....	0.57
03 21 13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar.....	0.98
03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar.....	1.48
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar.....	2.07
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar.....	2.72
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar.....	3.45
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar.....	4.29
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar.....	5.30
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar.....	6.38
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar.....	8.95
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar.....	15.51
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar.....	2.13
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar.....	2.80
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar.....	3.56
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar.....	4.43
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar.....	5.48
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar.....	6.60
03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar.....	9.27
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar.....	16.07
03 21 16			
<b>Epoxy-Coated Reinforcement Steel Bars</b> (03 21)			
03 21 16 00-0001			
<b>Beams And Girders, Epoxy Coated Steel Reinforcement Bar</b> (03 21 16)			
Note: ASTM A-775 Epoxy Coated Steel.			
03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	0.66
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	1.11
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	1.67
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	2.31
03 21 16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	0.67
03 21 16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	1.13
03 21 16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	1.70
03 21 16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	2.35
03 21 16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	0.69
03 21 16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	1.16
03 21 16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	1.75
03 21 16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	2.42
03 21 16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	3.15
03 21 16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	3.93
03 21 16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	4.84
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	5.93
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	7.08
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	9.83
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	16.85
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	2.48
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	3.23
03 21 16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	4.04
03 21 16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	4.98
03 21 16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	6.11
03 21 16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	7.30
03 21 16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	10.14
03 21 16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar.....	17.41
03 21 16 00-0029			
<b>Columns, Epoxy Coated Steel Reinforcement Bar</b> (03 21 16)			
Note: ASTM A-775 Epoxy Coated Steel.			
03 21 16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar.....	0.69
03 21 16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar.....	1.17
03 21 16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar.....	1.75
03 21 16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar.....	2.42
03 21 16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar.....	0.70
03 21 16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar.....	1.19
03 21 16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar.....	1.78
03 21 16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar.....	2.46
03 21 16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar.....	0.72
03 21 16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar.....	1.22
03 21 16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar.....	1.83
03 21 16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar.....	2.53
03 21 16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar.....	3.29
03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar.....	4.09
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar.....	5.02
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar.....	6.14
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar.....	7.32
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar.....	10.16
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar.....	17.35



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 16 00-0049	LF	#6,	Grade 75,	Columns,	Epoxy Coated Steel Reinforcement Bar.....		2.59
03 21 16 00-0050	LF	#7,	Grade 75,	Columns,	Epoxy Coated Steel Reinforcement Bar.....		3.37
03 21 16 00-0051	LF	#8,	Grade 75,	Columns,	Epoxy Coated Steel Reinforcement Bar.....		4.20
03 21 16 00-0052	LF	#9,	Grade 75,	Columns,	Epoxy Coated Steel Reinforcement Bar.....		5.16
03 21 16 00-0053	LF	#10,	Grade 75,	Columns,	Epoxy Coated Steel Reinforcement Bar.....		6.32
03 21 16 00-0054	LF	#11,	Grade 75,	Columns,	Epoxy Coated Steel Reinforcement Bar.....		7.54
03 21 16 00-0055	LF	#14,	Grade 75,	Columns,	Epoxy Coated Steel Reinforcement Bar.....		10.47
03 21 16 00-0056	LF	#18,	Grade 75,	Columns,	Epoxy Coated Steel Reinforcement Bar.....		17.91

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

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF	#3,	Grade 40,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		0.60
03 21 16 00-0059	LF	#4,	Grade 40,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		1.03
03 21 16 00-0060	LF	#5,	Grade 40,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		1.55
03 21 16 00-0061	LF	#6,	Grade 40,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		2.15
03 21 16 00-0062	LF	#3,	Grade 50,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		0.61
03 21 16 00-0063	LF	#4,	Grade 50,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		1.05
03 21 16 00-0064	LF	#5,	Grade 50,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		1.58
03 21 16 00-0065	LF	#6,	Grade 50,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		2.19
03 21 16 00-0066	LF	#3,	Grade 60,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		0.63
03 21 16 00-0067	LF	#4,	Grade 60,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		1.08
03 21 16 00-0068	LF	#5,	Grade 60,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		1.63
03 21 16 00-0069	LF	#6,	Grade 60,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		2.26
03 21 16 00-0070	LF	#7,	Grade 60,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		2.95
03 21 16 00-0071	LF	#8,	Grade 60,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		3.69
03 21 16 00-0072	LF	#9,	Grade 60,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		4.55
03 21 16 00-0073	LF	#10,	Grade 60,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		5.60
03 21 16 00-0074	LF	#11,	Grade 60,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		6.71
03 21 16 00-0075	LF	#14,	Grade 60,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		9.35
03 21 16 00-0076	LF	#18,	Grade 60,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		16.09
03 21 16 00-0077	LF	#6,	Grade 75,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		2.32
03 21 16 00-0078	LF	#7,	Grade 75,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		3.03
03 21 16 00-0079	LF	#8,	Grade 75,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		3.80
03 21 16 00-0080	LF	#9,	Grade 75,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		4.69
03 21 16 00-0081	LF	#10,	Grade 75,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		5.78
03 21 16 00-0082	LF	#11,	Grade 75,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		6.93
03 21 16 00-0083	LF	#14,	Grade 75,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		9.66
03 21 16 00-0084	LF	#18,	Grade 75,	Footings,	Epoxy Coated Steel Reinforcement Bar.....		16.65

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

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3,	Grade 40,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		0.59
03 21 16 00-0087	LF	#4,	Grade 40,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		1.00
03 21 16 00-0088	LF	#5,	Grade 40,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		1.50
03 21 16 00-0089	LF	#6,	Grade 40,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		2.08
03 21 16 00-0090	LF	#3,	Grade 50,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		0.60
03 21 16 00-0091	LF	#4,	Grade 50,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		1.02
03 21 16 00-0092	LF	#5,	Grade 50,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		1.53
03 21 16 00-0093	LF	#6,	Grade 50,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		2.12
03 21 16 00-0094	LF	#3,	Grade 60,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		0.62
03 21 16 00-0095	LF	#4,	Grade 60,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		1.05
03 21 16 00-0096	LF	#5,	Grade 60,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		1.58
03 21 16 00-0097	LF	#6,	Grade 60,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		2.19
03 21 16 00-0098	LF	#7,	Grade 60,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		2.88
03 21 16 00-0099	LF	#8,	Grade 60,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		3.61
03 21 16 00-0100	LF	#9,	Grade 60,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		4.46
03 21 16 00-0101	LF	#10,	Grade 60,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		5.49
03 21 16 00-0102	LF	#11,	Grade 60,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		6.59
03 21 16 00-0103	LF	#14,	Grade 60,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		9.19
03 21 16 00-0104	LF	#18,	Grade 60,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		15.84
03 21 16 00-0105	LF	#6,	Grade 75,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		2.25
03 21 16 00-0106	LF	#7,	Grade 75,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		2.96
03 21 16 00-0107	LF	#8,	Grade 75,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		3.72
03 21 16 00-0108	LF	#9,	Grade 75,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		4.60
03 21 16 00-0109	LF	#10,	Grade 75,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		5.67
03 21 16 00-0110	LF	#11,	Grade 75,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		6.81
03 21 16 00-0111	LF	#14,	Grade 75,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		9.50
03 21 16 00-0112	LF	#18,	Grade 75,	Slab On Grade,	Epoxy Coated Steel Reinforcement Bar.....		16.40

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

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3,	Grade 40,	Elevated Slabs,	Epoxy Coated Steel Reinforcement Bar.....		0.55
03 21 16 00-0115	LF	#4,	Grade 40,	Elevated Slabs,	Epoxy Coated Steel Reinforcement Bar.....		0.93
03 21 16 00-0116	LF	#5,	Grade 40,	Elevated Slabs,	Epoxy Coated Steel Reinforcement Bar.....		1.42
03 21 16 00-0117	LF	#6,	Grade 40,	Elevated Slabs,	Epoxy Coated Steel Reinforcement Bar.....		1.97
03 21 16 00-0118	LF	#3,	Grade 50,	Elevated Slabs,	Epoxy Coated Steel Reinforcement Bar.....		0.56
03 21 16 00-0119	LF	#4,	Grade 50,	Elevated Slabs,	Epoxy Coated Steel Reinforcement Bar.....		0.95
03 21 16 00-0120	LF	#5,	Grade 50,	Elevated Slabs,	Epoxy Coated Steel Reinforcement Bar.....		1.45
03 21 16 00-0121	LF	#6,	Grade 50,	Elevated Slabs,	Epoxy Coated Steel Reinforcement Bar.....		2.01
03 21 16 00-0122	LF	#3,	Grade 60,	Elevated Slabs,	Epoxy Coated Steel Reinforcement Bar.....		0.58
03 21 16 00-0123	LF	#4,	Grade 60,	Elevated Slabs,	Epoxy Coated Steel Reinforcement Bar.....		0.98
03 21 16 00-0124	LF	#5,	Grade 60,	Elevated Slabs,	Epoxy Coated Steel Reinforcement Bar.....		1.50

**03 Concrete**  
**03 20 Concrete Reinforcing**  
**03 21 Reinforcement Bars**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.08
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.75
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.44
03 21 16 00-0128	LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.28
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.28
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	6.34
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	8.88
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	15.34
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.14
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.83
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.55
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.42
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.46
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	6.56
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	9.19
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	15.90

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

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142	LF	#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	0.53
03 21 16 00-0143	LF	#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	0.91
03 21 16 00-0144	LF	#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.37
03 21 16 00-0145	LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.92
03 21 16 00-0146	LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	0.54
03 21 16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	0.93
03 21 16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.40
03 21 16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.96
03 21 16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	0.56
03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	0.96
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.45
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	2.03
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	2.66
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	3.37
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	4.18
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	5.17
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	6.22
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	8.72
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	15.10
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	2.09
03 21 16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	2.74
03 21 16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	3.48
03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	4.32
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	5.35
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	6.44
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	9.03
03 21 16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	15.66

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

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

03 21 16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	3.00
		For Up To 12" Length, Deduct	-0.40
		For >12" To <24" Length, Deduct	-0.20
03 21 16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	3.63
		For Up To 12" Length, Deduct	-0.61
		For >12" To <24" Length, Deduct	-0.31
03 21 16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	4.50
		For Up To 12" Length, Deduct	-0.92
		For >12" To <24" Length, Deduct	-0.46
03 21 16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	5.37
		For Up To 12" Length, Deduct	-1.22
		For >12" To <24" Length, Deduct	-0.61
03 21 16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	6.68
		For Up To 12" Length, Deduct	-1.66
		For >12" To <24" Length, Deduct	-0.83
03 21 16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	7.90
		For Up To 12" Length, Deduct	-2.04
		For >12" To <24" Length, Deduct	-1.02
03 21 16 00-0176	EA	1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	9.39
		For Up To 12" Length, Deduct	-2.47
		For >12" To <24" Length, Deduct	-1.23
03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	11.29
		For Up To 12" Length, Deduct	-2.99
		For >12" To <24" Length, Deduct	-1.49

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

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

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

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

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

03 22 11 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.74
		For >5 Ton, Deduct	-0.11

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 22 11 00-0003	SF	6" x 6" x #8, 30 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	0.85	
		<i>For &gt;5 Ton, Deduct</i>	-0.13	
03 22 11 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	0.97	
		<i>For &gt;5 Ton, Deduct</i>	-0.14	
03 22 11 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.16	
		<i>For &gt;5 Ton, Deduct</i>	-0.16	
03 22 11 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.89	
		<i>For &gt;5 Ton, Deduct</i>	-0.13	
03 22 11 00-0007	SF	4" x 4" x #8, 44 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.01	
		<i>For &gt;5 Ton, Deduct</i>	-0.15	
03 22 11 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.29	
		<i>For &gt;5 Ton, Deduct</i>	-0.18	
03 22 11 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.50	
		<i>For &gt;5 Ton, Deduct</i>	-0.20	
03 22 11 00-0010	SF	2" x 2" x #12, 37 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9).....	1.41	
		<i>For &gt;5 Ton, Deduct</i>	-0.18	

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

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

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.83	
		<i>For &gt;5 Ton, Deduct</i>	-0.12	
03 22 13 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	0.96	
		<i>For &gt;5 Ton, Deduct</i>	-0.14	
03 22 13 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.11	
		<i>For &gt;5 Ton, Deduct</i>	-0.16	
03 22 13 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.35	
		<i>For &gt;5 Ton, Deduct</i>	-0.18	
03 22 13 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.02	
		<i>For &gt;5 Ton, Deduct</i>	-0.14	
03 22 13 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.16	
		<i>For &gt;5 Ton, Deduct</i>	-0.16	
03 22 13 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.53	
		<i>For &gt;5 Ton, Deduct</i>	-0.20	
03 22 13 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.81	
		<i>For &gt;5 Ton, Deduct</i>	-0.23	

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

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011	SF	2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5).....	2.90	
		<i>For &gt;5 Ton, Deduct</i>	-0.45	

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

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

Note: Includes bar chairs. Under 5 tons.

03 22 16 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.82	
		<i>For &gt;5 Ton, Deduct</i>	-0.12	
03 22 16 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	0.94	
		<i>For &gt;5 Ton, Deduct</i>	-0.14	
03 22 16 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.09	
		<i>For &gt;5 Ton, Deduct</i>	-0.15	
03 22 16 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.33	
		<i>For &gt;5 Ton, Deduct</i>	-0.18	
03 22 16 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.00	
		<i>For &gt;5 Ton, Deduct</i>	-0.14	
03 22 16 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.14	
		<i>For &gt;5 Ton, Deduct</i>	-0.16	
03 22 16 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.50	
		<i>For &gt;5 Ton, Deduct</i>	-0.20	
03 22 16 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.77	
		<i>For &gt;5 Ton, Deduct</i>	-0.23	

**03 30 Cast-In-Place Concrete (03)**

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

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

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

**03 Concrete****03 30 Cast-In-Place Concrete****03 30 53 Miscellaneous Cast-in-Place Concrete**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 30 53 00-0002	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks .....	196.91
		<i>For 2,000 PSI Concrete, Deduct</i>	-7.03
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.52
		<i>For 3,500 PSI Concrete, Add</i>	6.51
		<i>For 3,750 PSI Concrete, Add</i>	8.86
		<i>For 4,000 PSI Concrete, Add</i>	11.20
		<i>For 4,500 PSI Concrete, Add</i>	13.03
		<i>For 5,000 PSI Concrete, Add</i>	14.85
		<i>For 6,000 PSI Concrete, Add</i>	35.17
		<i>For White Cement Concrete, Add</i>	15.63
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	16.93
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.03
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	39.08
		<i>For Up To 20, Add</i>	26.66
		<i>For &gt;20 To 50, Add</i>	10.00
		<i>For &gt;100 To 200, Deduct</i>	-3.94
		<i>For &gt;200 To 400, Deduct</i>	-7.88
		<i>For &gt;400, Deduct</i>	-11.81

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

03 30 53 00-0004	CY	Direct Chute, Place Two Sack Cement, Concrete Slurry .....	149.26
		Note: Two 94# sack cement per CY.	
03 30 53 00-0005	CY	Concrete Pump, Place Two Sack Cement, Concrete Slurry .....	143.38
		Note: Two 94# sack cement per CY. Excludes pumping equipment.	

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

03 30 53 00-0007	CF	Hand Mix And Place Concrete .....	27.33
		Note: For use where conventional equipment access is limited or when directed by the owner.	
		<i>For 2,000 PSI Concrete, Deduct</i>	-0.30
		<i>For 2,500 PSI Concrete, Deduct</i>	-0.15
		<i>For 3,500 PSI Concrete, Add</i>	0.28
		<i>For 3,750 PSI Concrete, Add</i>	0.38
		<i>For 4,000 PSI Concrete, Add</i>	0.48
		<i>For 4,500 PSI Concrete, Add</i>	0.56
		<i>For 5,000 PSI Concrete, Add</i>	0.63
		<i>For 6,000 PSI Concrete, Add</i>	1.50
		<i>For White Cement Concrete, Add</i>	0.67
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	0.72
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	0.56
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	1.67

**03 31 Structural Concrete (03 30)****03 31 13 Heavyweight Structural Concrete (03 31)**

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

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

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

03 31 13 00-0003	SF	4" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	6.53
		<i>For 2,000 PSI Concrete, Deduct</i>	-0.17
		<i>For 2,500 PSI Concrete, Deduct</i>	-0.09
		<i>For 3,500 PSI Concrete, Add</i>	0.06
		<i>For 4,000 PSI Concrete, Add</i>	0.20
		<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>	-0.13
		<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>	-0.40
		<i>For Up To 500, Add</i>	2.65
		<i>For &gt;500 To 1,000, Add</i>	1.82
		<i>For &gt;1,000 To 2,000, Add</i>	0.99
		<i>For &gt;2,000 To 5,000, Add</i>	0.50
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16
		<i>For &gt;20,000 To 35,000, Deduct</i>	-0.32
		<i>For &gt;35,000 To 50,000, Deduct</i>	-0.48
		<i>For &gt;50,000 To 70,000, Deduct</i>	-0.65
		<i>For &gt;70,000, Deduct</i>	-0.81
03 31 13 00-0004	SF	5" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	7.12
		<i>For 2,000 PSI Concrete, Deduct</i>	-0.19
		<i>For 2,500 PSI Concrete, Deduct</i>	-0.10
		<i>For 3,500 PSI Concrete, Add</i>	0.07
		<i>For 4,000 PSI Concrete, Add</i>	0.23
		<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>	-0.13
		<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>	-0.40
		<i>For Up To 500, Add</i>	2.84
		<i>For &gt;500 To 1,000, Add</i>	1.95
		<i>For &gt;1,000 To 2,000, Add</i>	1.07
		<i>For &gt;2,000 To 5,000, Add</i>	0.53
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.18
		<i>For &gt;20,000 To 35,000, Deduct</i>	-0.36
		<i>For &gt;35,000 To 50,000, Deduct</i>	-0.54
		<i>For &gt;50,000 To 70,000, Deduct</i>	-0.71
		<i>For &gt;70,000, Deduct</i>	-0.89

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0005	SF	6"	3,000 PSI Slab On Grade Concrete Slabs Assembly .....	7.96	
			For 2,000 PSI Concrete, Deduct	-0.23	
			For 2,500 PSI Concrete, Deduct	-0.11	
			For 3,500 PSI Concrete, Add	0.08	
			For 4,000 PSI Concrete, Add	0.26	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	3.10	
			For >500 To 1,000, Add	2.13	
			For >1,000 To 2,000, Add	1.17	
			For >2,000 To 5,000, Add	0.59	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000 To 35,000, Deduct	-0.41	
			For >35,000 To 50,000, Deduct	-0.61	
			For >50,000 To 70,000, Deduct	-0.81	
			For >70,000, Deduct	-1.01	
03 31 13 00-0006	SF	7"	3,000 PSI Slab On Grade Concrete Slabs Assembly .....	8.75	
			For 2,000 PSI Concrete, Deduct	-0.26	
			For 2,500 PSI Concrete, Deduct	-0.13	
			For 3,500 PSI Concrete, Add	0.09	
			For 4,000 PSI Concrete, Add	0.30	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	3.32	
			For >500 To 1,000, Add	2.29	
			For >1,000 To 2,000, Add	1.27	
			For >2,000 To 5,000, Add	0.63	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000 To 35,000, Deduct	-0.46	
			For >35,000 To 50,000, Deduct	-0.68	
			For >50,000 To 70,000, Deduct	-0.90	
			For >70,000, Deduct	-1.12	
03 31 13 00-0007	SF	8"	3,000 PSI Slab On Grade Concrete Slabs Assembly .....	9.43	
			For 2,000 PSI Concrete, Deduct	-0.29	
			For 2,500 PSI Concrete, Deduct	-0.14	
			For 3,500 PSI Concrete, Add	0.10	
			For 4,000 PSI Concrete, Add	0.34	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	3.52	
			For >500 To 1,000, Add	2.43	
			For >1,000 To 2,000, Add	1.35	
			For >2,000 To 5,000, Add	0.68	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000 To 35,000, Deduct	-0.50	
			For >35,000 To 50,000, Deduct	-0.74	
			For >50,000 To 70,000, Deduct	-0.97	
			For >70,000, Deduct	-1.21	
03 31 13 00-0008	SF	10"	3,000 PSI Slab On Grade Concrete Slabs Assembly .....	11.14	
			For 2,000 PSI Concrete, Deduct	-0.36	
			For 2,500 PSI Concrete, Deduct	-0.18	
			For 3,500 PSI Concrete, Add	0.13	
			For 4,000 PSI Concrete, Add	0.43	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	3.98	
			For >500 To 1,000, Add	2.77	
			For >1,000 To 2,000, Add	1.55	
			For >2,000 To 5,000, Add	0.78	
			For >10,000 To 20,000, Deduct	-0.34	
			For >20,000 To 35,000, Deduct	-0.62	
			For >35,000 To 50,000, Deduct	-0.89	
			For >50,000 To 70,000, Deduct	-1.17	
			For >70,000, Deduct	-1.45	
03 31 13 00-0009	SF	12"	3,000 PSI Slab On Grade Concrete Slabs Assembly .....	12.49	
			For 2,000 PSI Concrete, Deduct	-0.42	
			For 2,500 PSI Concrete, Deduct	-0.21	
			For 3,500 PSI Concrete, Add	0.15	
			For 4,000 PSI Concrete, Add	0.49	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	4.38	
			For >500 To 1,000, Add	3.05	
			For >1,000 To 2,000, Add	1.72	
			For >2,000 To 5,000, Add	0.86	
			For >10,000 To 20,000, Deduct	-0.39	
			For >20,000 To 35,000, Deduct	-0.70	
			For >35,000 To 50,000, Deduct	-1.01	
			For >50,000 To 70,000, Deduct	-1.33	
			For >70,000, Deduct	-1.64	

- 03 31 13 00-0010 Concrete Delivery And Placement (03 31 13)  
Note: Includes cleaning out equipment and standard concrete placement tests.
- 03 31 13 00-0011 Place Concrete By Method Indicated (03 31 13 00-0010)  
Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.
- 03 31 13 00-0012 Place Concrete Pile Caps (03 31 13 00-0011)

**03 Concrete**  
**03 30 Cast-In-Place Concrete**  
**03 31 Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31	13 00-0013	CY	Crane And Bucket, Place 3,000 PSI Concrete Pile Caps.....	241.58	
			<i>For 2,000 PSI Concrete, Deduct</i>	-7.03	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.52	
			<i>For 3,500 PSI Concrete, Add</i>	6.51	
			<i>For 3,750 PSI Concrete, Add</i>	8.86	
			<i>For 4,000 PSI Concrete, Add</i>	11.20	
			<i>For 4,500 PSI Concrete, Add</i>	13.03	
			<i>For 5,000 PSI Concrete, Add</i>	14.85	
			<i>For 6,000 PSI Concrete, Add</i>	35.17	
			<i>For White Cement Concrete, Add</i>	15.63	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	16.93	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.03	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	39.08	
			<i>For Up To 20, Add</i>	44.53	
			<i>For &gt;20 To 50, Add</i>	16.70	
			<i>For &gt;100 To 200, Deduct</i>	-4.83	
			<i>For &gt;200 To 400, Deduct</i>	-9.66	
			<i>For &gt;400, Deduct</i>	-14.49	
03 31	13 00-0014	CY	Direct Chute, Place 3,000 PSI Concrete Pile Caps.....	179.26	
			<i>For 2,000 PSI Concrete, Deduct</i>	-7.03	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.52	
			<i>For 3,500 PSI Concrete, Add</i>	6.51	
			<i>For 3,750 PSI Concrete, Add</i>	8.86	
			<i>For 4,000 PSI Concrete, Add</i>	11.20	
			<i>For 4,500 PSI Concrete, Add</i>	13.03	
			<i>For 5,000 PSI Concrete, Add</i>	14.85	
			<i>For 6,000 PSI Concrete, Add</i>	35.17	
			<i>For White Cement Concrete, Add</i>	15.63	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	16.93	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.03	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	39.08	
			<i>For Up To 20, Add</i>	19.60	
			<i>For &gt;20 To 50, Add</i>	7.35	
			<i>For &gt;100 To 200, Deduct</i>	-3.59	
			<i>For &gt;200 To 400, Deduct</i>	-7.17	
			<i>For &gt;400, Deduct</i>	-10.76	
03 31	13 00-0015	CY	Concrete Pump, Place 3,000 PSI Concrete Pile Caps.....	187.78	
			Note: Excludes pumping equipment.		
			<i>For 2,000 PSI Concrete, Deduct</i>	-7.62	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.81	
			<i>For 3,500 PSI Concrete, Add</i>	7.06	
			<i>For 3,750 PSI Concrete, Add</i>	9.59	
			<i>For 4,000 PSI Concrete, Add</i>	12.13	
			<i>For 4,500 PSI Concrete, Add</i>	14.11	
			<i>For 5,000 PSI Concrete, Add</i>	16.09	
			<i>For 6,000 PSI Concrete, Add</i>	38.10	
			<i>For White Cement Concrete, Add</i>	16.93	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	18.34	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	14.11	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	42.33	
			<i>For Up To 20, Add</i>	18.67	
			<i>For &gt;20 To 50, Add</i>	7.00	
			<i>For &gt;100 To 200, Deduct</i>	-3.76	
			<i>For &gt;200 To 400, Deduct</i>	-7.51	
			<i>For &gt;400, Deduct</i>	-11.27	
03 31	13 00-0016		Place Concrete Continuous Footings (03 31 13 00-0011)		
03 31	13 00-0017	CY	Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings.....	229.21	
			<i>For 2,000 PSI Concrete, Deduct</i>	-7.03	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.52	
			<i>For 3,500 PSI Concrete, Add</i>	6.51	
			<i>For 3,750 PSI Concrete, Add</i>	8.86	
			<i>For 4,000 PSI Concrete, Add</i>	11.20	
			<i>For 4,500 PSI Concrete, Add</i>	13.03	
			<i>For 5,000 PSI Concrete, Add</i>	14.85	
			<i>For 6,000 PSI Concrete, Add</i>	35.17	
			<i>For White Cement Concrete, Add</i>	15.63	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	16.93	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.03	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	39.08	
			<i>For Up To 20, Add</i>	39.58	
			<i>For &gt;20 To 50, Add</i>	14.84	
			<i>For &gt;100 To 200, Deduct</i>	-4.58	
			<i>For &gt;200 To 400, Deduct</i>	-9.17	
			<i>For &gt;400, Deduct</i>	-13.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0018	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings .....	173.82		
		For 2,000 PSI Concrete, Deduct	-7.03		
		For 2,500 PSI Concrete, Deduct	-3.52		
		For 3,500 PSI Concrete, Add	6.51		
		For 3,750 PSI Concrete, Add	8.86		
		For 4,000 PSI Concrete, Add	11.20		
		For 4,500 PSI Concrete, Add	13.03		
		For 5,000 PSI Concrete, Add	14.85		
		For 6,000 PSI Concrete, Add	35.17		
		For White Cement Concrete, Add	15.63		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93		
		For High Early Strength, Type 3 ASTM C150, Add	13.03		
		For Lightweight Aggregate, ASTM C330, Add	39.08		
		For Up To 20, Add	17.43		
		For >20 To 50, Add	6.54		
		For >100 To 200, Deduct	-3.48		
		For >200 To 400, Deduct	-6.95		
		For >400, Deduct	-10.43		
03 31 13 00-0019	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings .....	182.59		
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct	-7.62		
		For 2,500 PSI Concrete, Deduct	-3.81		
		For 3,500 PSI Concrete, Add	7.06		
		For 3,750 PSI Concrete, Add	9.59		
		For 4,000 PSI Concrete, Add	12.13		
		For 4,500 PSI Concrete, Add	14.11		
		For 5,000 PSI Concrete, Add	16.09		
		For 6,000 PSI Concrete, Add	38.10		
		For White Cement Concrete, Add	16.93		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.34		
		For High Early Strength, Type 3 ASTM C150, Add	14.11		
		For Lightweight Aggregate, ASTM C330, Add	42.33		
		For Up To 20, Add	16.60		
		For >20 To 50, Add	6.22		
		For >100 To 200, Deduct	-3.65		
		For >200 To 400, Deduct	-7.30		
		For >400, Deduct	-10.96		

**03 31 13 00-0020 Place Concrete Spread Footings** (03 31 13 00-0011)

03 31 13 00-0021	CY	Crane And Bucket, Place 3,000 PSI Concrete Spread Footings.....	297.25		
		For 2,000 PSI Concrete, Deduct	-7.03		
		For 2,500 PSI Concrete, Deduct	-3.52		
		For 3,500 PSI Concrete, Add	6.51		
		For 3,750 PSI Concrete, Add	8.86		
		For 4,000 PSI Concrete, Add	11.20		
		For 4,500 PSI Concrete, Add	13.03		
		For 5,000 PSI Concrete, Add	14.85		
		For 6,000 PSI Concrete, Add	35.17		
		For White Cement Concrete, Add	15.63		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93		
		For High Early Strength, Type 3 ASTM C150, Add	13.03		
		For Lightweight Aggregate, ASTM C330, Add	39.08		
		For Up To 20, Add	66.80		
		For >20 To 50, Add	25.05		
		For >100 To 200, Deduct	-5.95		
		For >200 To 400, Deduct	-11.89		
		For >400, Deduct	-17.84		
03 31 13 00-0022	CY	Direct Chute, Place 3,000 PSI Concrete Spread Footings.....	203.77		
		For 2,000 PSI Concrete, Deduct	-7.03		
		For 2,500 PSI Concrete, Deduct	-3.52		
		For 3,500 PSI Concrete, Add	6.51		
		For 3,750 PSI Concrete, Add	8.86		
		For 4,000 PSI Concrete, Add	11.20		
		For 4,500 PSI Concrete, Add	13.03		
		For 5,000 PSI Concrete, Add	14.85		
		For 6,000 PSI Concrete, Add	35.17		
		For White Cement Concrete, Add	15.63		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93		
		For High Early Strength, Type 3 ASTM C150, Add	13.03		
		For Lightweight Aggregate, ASTM C330, Add	39.08		
		For Up To 20, Add	29.41		
		For >20 To 50, Add	11.03		
		For >100 To 200, Deduct	-4.08		
		For >200 To 400, Deduct	-8.15		
		For >400, Deduct	-12.23		

**03 Concrete****03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0023	CY		Concrete Pump, Place 3,000 PSI Concrete Spread Footings .....211.12 Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-7.62	
			For 2,500 PSI Concrete, Deduct	-3.81	
			For 3,500 PSI Concrete, Add	7.06	
			For 3,750 PSI Concrete, Add	9.59	
			For 4,000 PSI Concrete, Add	12.13	
			For 4,500 PSI Concrete, Add	14.11	
			For 5,000 PSI Concrete, Add	16.09	
			For 6,000 PSI Concrete, Add	38.10	
			For White Cement Concrete, Add	16.93	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.34	
			For High Early Strength, Type 3 ASTM C150, Add	14.11	
			For Lightweight Aggregate, ASTM C330, Add	42.33	
			For Up To 20, Add	28.01	
			For >20 To 50, Add	10.50	
			For >100 To 200, Deduct	-4.22	
			For >200 To 400, Deduct	-8.44	
			For >400, Deduct	-12.67	
03 31 13 00-0024			Place Concrete Mat Foundation (03 31 13 00-0011)		
03 31 13 00-0025	CY		Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation .....159.94		
			For 2,000 PSI Concrete, Deduct	-7.03	
			For 2,500 PSI Concrete, Deduct	-3.52	
			For 3,500 PSI Concrete, Add	6.51	
			For 3,750 PSI Concrete, Add	8.86	
			For 4,000 PSI Concrete, Add	11.20	
			For 4,500 PSI Concrete, Add	13.03	
			For 5,000 PSI Concrete, Add	14.85	
			For 6,000 PSI Concrete, Add	35.17	
			For White Cement Concrete, Add	15.63	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
			For High Early Strength, Type 3 ASTM C150, Add	13.03	
			For Lightweight Aggregate, ASTM C330, Add	39.08	
			For Up To 20, Add	11.88	
			For >20 To 50, Add	4.45	
			For >100 To 200, Deduct	-3.20	
			For >200 To 400, Deduct	-6.40	
			For >400, Deduct	-9.60	
03 31 13 00-0026	CY		Direct Chute, Place 3,000 PSI Concrete Mat Foundation .....143.32		
			For 2,000 PSI Concrete, Deduct	-7.03	
			For 2,500 PSI Concrete, Deduct	-3.52	
			For 3,500 PSI Concrete, Add	6.51	
			For 3,750 PSI Concrete, Add	8.86	
			For 4,000 PSI Concrete, Add	11.20	
			For 4,500 PSI Concrete, Add	13.03	
			For 5,000 PSI Concrete, Add	14.85	
			For 6,000 PSI Concrete, Add	35.17	
			For White Cement Concrete, Add	15.63	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
			For High Early Strength, Type 3 ASTM C150, Add	13.03	
			For Lightweight Aggregate, ASTM C330, Add	39.08	
			For Up To 20, Add	5.23	
			For >20 To 50, Add	1.96	
			For >100 To 200, Deduct	-2.87	
			For >200 To 400, Deduct	-5.73	
			For >400, Deduct	-8.60	
03 31 13 00-0027	CY		Concrete Pump, Place 3,000 PSI Concrete Mat Foundation .....151.99 Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-7.62	
			For 2,500 PSI Concrete, Deduct	-3.81	
			For 3,500 PSI Concrete, Add	7.06	
			For 3,750 PSI Concrete, Add	9.59	
			For 4,000 PSI Concrete, Add	12.13	
			For 4,500 PSI Concrete, Add	14.11	
			For 5,000 PSI Concrete, Add	16.09	
			For 6,000 PSI Concrete, Add	38.10	
			For White Cement Concrete, Add	16.93	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.34	
			For High Early Strength, Type 3 ASTM C150, Add	14.11	
			For Lightweight Aggregate, ASTM C330, Add	42.33	
			For Up To 20, Add	4.36	
			For >20 To 50, Add	1.63	
			For >100 To 200, Deduct	-3.04	
			For >200 To 400, Deduct	-6.08	
			For >400, Deduct	-9.12	
03 31 13 00-0028			Place Concrete Grade Beams (03 31 13 00-0011)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0029	CY	Crane And Bucket, Place 3,000 PSI Concrete Grade Beams.....	209.42		
		<i>For 2,000 PSI Concrete, Deduct</i>	-7.03		
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.52		
		<i>For 3,500 PSI Concrete, Add</i>	6.51		
		<i>For 3,750 PSI Concrete, Add</i>	8.86		
		<i>For 4,000 PSI Concrete, Add</i>	11.20		
		<i>For 4,500 PSI Concrete, Add</i>	13.03		
		<i>For 5,000 PSI Concrete, Add</i>	14.85		
		<i>For 6,000 PSI Concrete, Add</i>	35.17		
		<i>For White Cement Concrete, Add</i>	15.63		
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	16.93		
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.03		
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	39.08		
		<i>For Up To 20, Add</i>	31.67		
		<i>For &gt;20 To 50, Add</i>	11.88		
		<i>For &gt;100 To 200, Deduct</i>	-4.19		
		<i>For &gt;200 To 400, Deduct</i>	-8.38		
		<i>For &gt;400, Deduct</i>	-12.57		

03 31 13 00-0030	CY	Direct Chute, Place 3,000 PSI Concrete Grade Beams.....	165.10		
		<i>For 2,000 PSI Concrete, Deduct</i>	-7.03		
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.52		
		<i>For 3,500 PSI Concrete, Add</i>	6.51		
		<i>For 3,750 PSI Concrete, Add</i>	8.86		
		<i>For 4,000 PSI Concrete, Add</i>	11.20		
		<i>For 4,500 PSI Concrete, Add</i>	13.03		
		<i>For 5,000 PSI Concrete, Add</i>	14.85		
		<i>For 6,000 PSI Concrete, Add</i>	35.17		
		<i>For White Cement Concrete, Add</i>	15.63		
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	16.93		
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.03		
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	39.08		
		<i>For Up To 20, Add</i>	13.94		
		<i>For &gt;20 To 50, Add</i>	5.23		
		<i>For &gt;100 To 200, Deduct</i>	-3.30		
		<i>For &gt;200 To 400, Deduct</i>	-6.60		
		<i>For &gt;400, Deduct</i>	-9.91		

03 31 13 00-0031	CY	Concrete Pump, Place 3,000 PSI Concrete Grade Beams.....	174.30		
		Note: Excludes pumping equipment.			
		<i>For 2,000 PSI Concrete, Deduct</i>	-7.62		
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.81		
		<i>For 3,500 PSI Concrete, Add</i>	7.06		
		<i>For 3,750 PSI Concrete, Add</i>	9.59		
		<i>For 4,000 PSI Concrete, Add</i>	12.13		
		<i>For 4,500 PSI Concrete, Add</i>	14.11		
		<i>For 5,000 PSI Concrete, Add</i>	16.09		
		<i>For 6,000 PSI Concrete, Add</i>	38.10		
		<i>For White Cement Concrete, Add</i>	16.93		
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	18.34		
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	14.11		
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	42.33		
		<i>For Up To 20, Add</i>	13.28		
		<i>For &gt;20 To 50, Add</i>	4.98		
		<i>For &gt;100 To 200, Deduct</i>	-3.49		
		<i>For &gt;200 To 400, Deduct</i>	-6.97		
		<i>For &gt;400, Deduct</i>	-10.46		

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

03 31 13 00-0033	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....	211.28		
		<i>For 2,000 PSI Concrete, Deduct</i>	-7.03		
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.52		
		<i>For 3,500 PSI Concrete, Add</i>	6.51		
		<i>For 3,750 PSI Concrete, Add</i>	8.86		
		<i>For 4,000 PSI Concrete, Add</i>	11.20		
		<i>For 4,500 PSI Concrete, Add</i>	13.03		
		<i>For 5,000 PSI Concrete, Add</i>	14.85		
		<i>For 6,000 PSI Concrete, Add</i>	35.17		
		<i>For White Cement Concrete, Add</i>	15.63		
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	16.93		
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.03		
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	39.08		
		<i>For Up To 20, Add</i>	32.41		
		<i>For &gt;20 To 50, Add</i>	12.15		
		<i>For &gt;100 To 200, Deduct</i>	-4.23		
		<i>For &gt;200 To 400, Deduct</i>	-8.45		
		<i>For &gt;400, Deduct</i>	-12.68		

## 03 Concrete

## 03 30 Cast-In-Place Concrete

## 03 31 Structural Concrete

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0034	CY	>6"	By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....	191.73	
			For 2,000 PSI Concrete, Deduct	-7.03	
			For 2,500 PSI Concrete, Deduct	-3.52	
			For 3,500 PSI Concrete, Add	6.51	
			For 3,750 PSI Concrete, Add	8.86	
			For 4,000 PSI Concrete, Add	11.20	
			For 4,500 PSI Concrete, Add	13.03	
			For 5,000 PSI Concrete, Add	14.85	
			For 6,000 PSI Concrete, Add	35.17	
			For White Cement Concrete, Add	15.63	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
			For High Early Strength, Type 3 ASTM C150, Add	13.03	
			For Lightweight Aggregate, ASTM C330, Add	39.08	
			For Up To 20, Add	24.59	
			For >20 To 50, Add	9.22	
			For >100 To 200, Deduct	-3.83	
			For >200 To 400, Deduct	-7.67	
			For >400, Deduct	-11.50	
03 31 13 00-0035	CY	Up To 6"	By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	165.92	
			For 2,000 PSI Concrete, Deduct	-7.03	
			For 2,500 PSI Concrete, Deduct	-3.52	
			For 3,500 PSI Concrete, Add	6.51	
			For 3,750 PSI Concrete, Add	8.86	
			For 4,000 PSI Concrete, Add	11.20	
			For 4,500 PSI Concrete, Add	13.03	
			For 5,000 PSI Concrete, Add	14.85	
			For 6,000 PSI Concrete, Add	35.17	
			For White Cement Concrete, Add	15.63	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
			For High Early Strength, Type 3 ASTM C150, Add	13.03	
			For Lightweight Aggregate, ASTM C330, Add	39.08	
			For Up To 20, Add	14.27	
			For >20 To 50, Add	5.35	
			For >100 To 200, Deduct	-3.32	
			For >200 To 400, Deduct	-6.64	
			For >400, Deduct	-9.96	
03 31 13 00-0036	CY	>6"	By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	157.32	
			For 2,000 PSI Concrete, Deduct	-7.03	
			For 2,500 PSI Concrete, Deduct	-3.52	
			For 3,500 PSI Concrete, Add	6.51	
			For 3,750 PSI Concrete, Add	8.86	
			For 4,000 PSI Concrete, Add	11.20	
			For 4,500 PSI Concrete, Add	13.03	
			For 5,000 PSI Concrete, Add	14.85	
			For 6,000 PSI Concrete, Add	35.17	
			For White Cement Concrete, Add	15.63	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
			For High Early Strength, Type 3 ASTM C150, Add	13.03	
			For Lightweight Aggregate, ASTM C330, Add	39.08	
			For Up To 20, Add	10.83	
			For >20 To 50, Add	4.06	
			For >100 To 200, Deduct	-3.15	
			For >200 To 400, Deduct	-6.29	
			For >400, Deduct	-9.44	
03 31 13 00-0037	CY	Up To 6"	By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	170.83	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-7.62	
			For 2,500 PSI Concrete, Deduct	-3.81	
			For 3,500 PSI Concrete, Add	7.06	
			For 3,750 PSI Concrete, Add	9.59	
			For 4,000 PSI Concrete, Add	12.13	
			For 4,500 PSI Concrete, Add	14.11	
			For 5,000 PSI Concrete, Add	16.09	
			For 6,000 PSI Concrete, Add	38.10	
			For White Cement Concrete, Add	16.93	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.34	
			For High Early Strength, Type 3 ASTM C150, Add	14.11	
			For Lightweight Aggregate, ASTM C330, Add	42.33	
			For Up To 20, Add	11.89	
			For >20 To 50, Add	4.46	
			For >100 To 200, Deduct	-3.42	
			For >200 To 400, Deduct	-6.83	
			For >400, Deduct	-10.25	
03 31 13 00-0038	CY	>6"	By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	163.65	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-7.62	
			For 2,500 PSI Concrete, Deduct	-3.81	
			For 3,500 PSI Concrete, Add	7.06	
			For 3,750 PSI Concrete, Add	9.59	
			For 4,000 PSI Concrete, Add	12.13	
			For 4,500 PSI Concrete, Add	14.11	
			For 5,000 PSI Concrete, Add	16.09	
			For 6,000 PSI Concrete, Add	38.10	
			For White Cement Concrete, Add	16.93	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.34	
			For High Early Strength, Type 3 ASTM C150, Add	14.11	
			For Lightweight Aggregate, ASTM C330, Add	42.33	
			For Up To 20, Add	9.02	
			For >20 To 50, Add	3.38	
			For >100 To 200, Deduct	-3.27	
			For >200 To 400, Deduct	-6.55	
			For >400, Deduct	-9.82	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>03 31 13 00-0039</b>	<b>Place Concrete Duct Bank</b> <small>(03 31 13 00-0011)</small>		
03 31 13 00-0040	CY Direct Chute, Place 3,000 PSI Concrete Duct Bank .....	159.77	
	For 2,000 PSI Concrete, Deduct	-7.03	
	For 2,500 PSI Concrete, Deduct	-3.52	
	For 3,500 PSI Concrete, Add	6.51	
	For 3,750 PSI Concrete, Add	8.86	
	For 4,000 PSI Concrete, Add	11.20	
	For 4,500 PSI Concrete, Add	13.03	
	For 5,000 PSI Concrete, Add	14.85	
	For 6,000 PSI Concrete, Add	35.17	
	For White Cement Concrete, Add	15.63	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
	For High Early Strength, Type 3 ASTM C150, Add	13.03	
	For Lightweight Aggregate, ASTM C330, Add	39.08	
	For Up To 20, Add	11.81	
	For >20 To 50, Add	4.43	
	For >100 To 200, Deduct	-3.20	
	For >200 To 400, Deduct	-6.39	
	For >400, Deduct	-9.59	

<b>03 31 13 00-0041</b>	<b>Place Concrete Stairs</b> <small>(03 31 13 00-0011)</small>		
03 31 13 00-0042	CY Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs .....	494.83	
	For 2,000 PSI Concrete, Deduct	-7.03	
	For 2,500 PSI Concrete, Deduct	-3.52	
	For 3,500 PSI Concrete, Add	6.51	
	For 3,750 PSI Concrete, Add	8.86	
	For 4,000 PSI Concrete, Add	11.20	
	For 4,500 PSI Concrete, Add	13.03	
	For 5,000 PSI Concrete, Add	14.85	
	For 6,000 PSI Concrete, Add	35.17	
	For White Cement Concrete, Add	15.63	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
	For High Early Strength, Type 3 ASTM C150, Add	13.03	
	For Lightweight Aggregate, ASTM C330, Add	39.08	
	For Up To 20, Add	145.83	
	For >20 To 50, Add	54.69	
	For >100 To 200, Deduct	-9.90	
	For >200 To 400, Deduct	-19.79	
	For >400, Deduct	-29.69	

03 31 13 00-0043	CY Direct Chute, Place 3,000 PSI On Grade Concrete Stairs .....	290.78	
	For 2,000 PSI Concrete, Deduct	-7.03	
	For 2,500 PSI Concrete, Deduct	-3.52	
	For 3,500 PSI Concrete, Add	6.51	
	For 3,750 PSI Concrete, Add	8.86	
	For 4,000 PSI Concrete, Add	11.20	
	For 4,500 PSI Concrete, Add	13.03	
	For 5,000 PSI Concrete, Add	14.85	
	For 6,000 PSI Concrete, Add	35.17	
	For White Cement Concrete, Add	15.63	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
	For High Early Strength, Type 3 ASTM C150, Add	13.03	
	For Lightweight Aggregate, ASTM C330, Add	39.08	
	For Up To 20, Add	64.21	
	For >20 To 50, Add	24.08	
	For >100 To 200, Deduct	-5.82	
	For >200 To 400, Deduct	-11.63	
	For >400, Deduct	-17.45	

03 31 13 00-0044	CY Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs .....	274.89	
	Note: Excludes pumping equipment.		
	For 2,000 PSI Concrete, Deduct	-7.62	
	For 2,500 PSI Concrete, Deduct	-3.81	
	For 3,500 PSI Concrete, Add	7.06	
	For 3,750 PSI Concrete, Add	9.59	
	For 4,000 PSI Concrete, Add	12.13	
	For 4,500 PSI Concrete, Add	14.11	
	For 5,000 PSI Concrete, Add	16.09	
	For 6,000 PSI Concrete, Add	38.10	
	For White Cement Concrete, Add	16.93	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.34	
	For High Early Strength, Type 3 ASTM C150, Add	14.11	
	For Lightweight Aggregate, ASTM C330, Add	42.33	
	For Up To 20, Add	53.52	
	For >20 To 50, Add	20.07	
	For >100 To 200, Deduct	-5.50	
	For >200 To 400, Deduct	-11.00	
	For >400, Deduct	-16.49	

03 31 13 00-0045 Place Concrete Superstructure By Method Indicated (03 31 13 00-0010)  
 See CSI section 03 37 16 00-0001 for concrete pump truck.

03 31 13 00-0046 Place Elevated Concrete Beams (03 31 13 00-0045)

**03 Concrete****03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 31 13 00-0047	CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams.....	328.18	
	For 2,000 PSI Concrete, Deduct	-7.03	
	For 2,500 PSI Concrete, Deduct	-3.52	
	For 3,500 PSI Concrete, Add	6.51	
	For 3,750 PSI Concrete, Add	8.86	
	For 4,000 PSI Concrete, Add	11.20	
	For 4,500 PSI Concrete, Add	13.03	
	For 5,000 PSI Concrete, Add	14.85	
	For 6,000 PSI Concrete, Add	35.17	
	For White Cement Concrete, Add	15.63	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
	For High Early Strength, Type 3 ASTM C150, Add	13.03	
	For Lightweight Aggregate, ASTM C330, Add	39.08	
	For Up To 20, Add	79.17	
	For >20 To 50, Add	29.69	
	For >100 To 200, Deduct	-6.56	
	For >200 To 400, Deduct	-13.13	
	For >400, Deduct	-19.69	
03 31 13 00-0048	CY Concrete Pump, Place 3,000 PSI Elevated Concrete Beams .....	224.09	
	Note: Excludes pumping equipment.		
	For 2,000 PSI Concrete, Deduct	-7.62	
	For 2,500 PSI Concrete, Deduct	-3.81	
	For 3,500 PSI Concrete, Add	7.06	
	For 3,750 PSI Concrete, Add	9.59	
	For 4,000 PSI Concrete, Add	12.13	
	For 4,500 PSI Concrete, Add	14.11	
	For 5,000 PSI Concrete, Add	16.09	
	For 6,000 PSI Concrete, Add	38.10	
	For White Cement Concrete, Add	16.93	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.34	
	For High Early Strength, Type 3 ASTM C150, Add	14.11	
	For Lightweight Aggregate, ASTM C330, Add	42.33	
	For Up To 20, Add	33.20	
	For >20 To 50, Add	12.45	
	For >100 To 200, Deduct	-4.48	
	For >200 To 400, Deduct	-8.96	
	For >400, Deduct	-13.45	
03 31 13 00-0049	Place Elevated Concrete Slab (03 31 13 00-0045)		
03 31 13 00-0050	CY Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab.....	223.44	
	For 2,000 PSI Concrete, Deduct	-7.03	
	For 2,500 PSI Concrete, Deduct	-3.52	
	For 3,500 PSI Concrete, Add	6.51	
	For 3,750 PSI Concrete, Add	8.86	
	For 4,000 PSI Concrete, Add	11.20	
	For 4,500 PSI Concrete, Add	13.03	
	For 5,000 PSI Concrete, Add	14.85	
	For 6,000 PSI Concrete, Add	35.17	
	For White Cement Concrete, Add	15.63	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
	For High Early Strength, Type 3 ASTM C150, Add	13.03	
	For Lightweight Aggregate, ASTM C330, Add	39.08	
	For Up To 20, Add	37.28	
	For >20 To 50, Add	13.98	
	For >100 To 200, Deduct	-4.47	
	For >200 To 400, Deduct	-8.94	
	For >400, Deduct	-13.41	
03 31 13 00-0051	CY >6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab .....	200.95	
	For 2,000 PSI Concrete, Deduct	-7.03	
	For 2,500 PSI Concrete, Deduct	-3.52	
	For 3,500 PSI Concrete, Add	6.51	
	For 3,750 PSI Concrete, Add	8.86	
	For 4,000 PSI Concrete, Add	11.20	
	For 4,500 PSI Concrete, Add	13.03	
	For 5,000 PSI Concrete, Add	14.85	
	For 6,000 PSI Concrete, Add	35.17	
	For White Cement Concrete, Add	15.63	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
	For High Early Strength, Type 3 ASTM C150, Add	13.03	
	For Lightweight Aggregate, ASTM C330, Add	39.08	
	For Up To 20, Add	28.28	
	For >20 To 50, Add	10.61	
	For >100 To 200, Deduct	-4.02	
	For >200 To 400, Deduct	-8.04	
	For >400, Deduct	-12.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0052	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab		180.17	
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct		-7.62	
		For 2,500 PSI Concrete, Deduct		-3.81	
		For 3,500 PSI Concrete, Add		7.06	
		For 3,750 PSI Concrete, Add		9.59	
		For 4,000 PSI Concrete, Add		12.13	
		For 4,500 PSI Concrete, Add		14.11	
		For 5,000 PSI Concrete, Add		16.09	
		For 6,000 PSI Concrete, Add		38.10	
		For White Cement Concrete, Add		16.93	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		18.34	
		For High Early Strength, Type 3 ASTM C150, Add		14.11	
		For Lightweight Aggregate, ASTM C330, Add		42.33	
		For Up To 20, Add		15.63	
		For >20 To 50, Add		5.86	
		For >100 To 200, Deduct		-3.60	
		For >200 To 400, Deduct		-7.21	
		For >400, Deduct		-10.81	
03 31 13 00-0053	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab		170.75	
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct		-7.62	
		For 2,500 PSI Concrete, Deduct		-3.81	
		For 3,500 PSI Concrete, Add		7.06	
		For 3,750 PSI Concrete, Add		9.59	
		For 4,000 PSI Concrete, Add		12.13	
		For 4,500 PSI Concrete, Add		14.11	
		For 5,000 PSI Concrete, Add		16.09	
		For 6,000 PSI Concrete, Add		38.10	
		For White Cement Concrete, Add		16.93	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		18.34	
		For High Early Strength, Type 3 ASTM C150, Add		14.11	
		For Lightweight Aggregate, ASTM C330, Add		42.33	
		For Up To 20, Add		11.86	
		For >20 To 50, Add		4.45	
		For >100 To 200, Deduct		-3.42	
		For >200 To 400, Deduct		-6.83	
		For >400, Deduct		-10.25	

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

03 31 13 00-0055	CY	12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns		344.01	
		For 2,000 PSI Concrete, Deduct		-7.03	
		For 2,500 PSI Concrete, Deduct		-3.52	
		For 3,500 PSI Concrete, Add		6.51	
		For 3,750 PSI Concrete, Add		8.86	
		For 4,000 PSI Concrete, Add		11.20	
		For 4,500 PSI Concrete, Add		13.03	
		For 5,000 PSI Concrete, Add		14.85	
		For 6,000 PSI Concrete, Add		35.17	
		For White Cement Concrete, Add		15.63	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		16.93	
		For High Early Strength, Type 3 ASTM C150, Add		13.03	
		For Lightweight Aggregate, ASTM C330, Add		39.08	
		For Up To 20, Add		85.50	
		For >20 To 50, Add		32.06	
		For >100 To 200, Deduct		-6.88	
		For >200 To 400, Deduct		-13.76	
		For >400, Deduct		-20.64	
03 31 13 00-0056	CY	18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns		285.62	
		For 2,000 PSI Concrete, Deduct		-7.03	
		For 2,500 PSI Concrete, Deduct		-3.52	
		For 3,500 PSI Concrete, Add		6.51	
		For 3,750 PSI Concrete, Add		8.86	
		For 4,000 PSI Concrete, Add		11.20	
		For 4,500 PSI Concrete, Add		13.03	
		For 5,000 PSI Concrete, Add		14.85	
		For 6,000 PSI Concrete, Add		35.17	
		For White Cement Concrete, Add		15.63	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		16.93	
		For High Early Strength, Type 3 ASTM C150, Add		13.03	
		For Lightweight Aggregate, ASTM C330, Add		39.08	
		For Up To 20, Add		62.15	
		For >20 To 50, Add		23.31	
		For >100 To 200, Deduct		-5.71	
		For >200 To 400, Deduct		-11.42	
		For >400, Deduct		-17.14	

**03 Concrete****03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0057	CY		24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	243.86	
			For 2,000 PSI Concrete, Deduct	-7.03	
			For 2,500 PSI Concrete, Deduct	-3.52	
			For 3,500 PSI Concrete, Add	6.51	
			For 3,750 PSI Concrete, Add	8.86	
			For 4,000 PSI Concrete, Add	11.20	
			For 4,500 PSI Concrete, Add	13.03	
			For 5,000 PSI Concrete, Add	14.85	
			For 6,000 PSI Concrete, Add	35.17	
			For White Cement Concrete, Add	15.63	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
			For High Early Strength, Type 3 ASTM C150, Add	13.03	
			For Lightweight Aggregate, ASTM C330, Add	39.08	
			For Up To 20, Add	45.44	
			For >20 To 50, Add	17.04	
			For >100 To 200, Deduct	-4.88	
			For >200 To 400, Deduct	-9.75	
			For >400, Deduct	-14.63	
03 31 13 00-0058	CY		36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	225.26	
			For 2,000 PSI Concrete, Deduct	-7.03	
			For 2,500 PSI Concrete, Deduct	-3.52	
			For 3,500 PSI Concrete, Add	6.51	
			For 3,750 PSI Concrete, Add	8.86	
			For 4,000 PSI Concrete, Add	11.20	
			For 4,500 PSI Concrete, Add	13.03	
			For 5,000 PSI Concrete, Add	14.85	
			For 6,000 PSI Concrete, Add	35.17	
			For White Cement Concrete, Add	15.63	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
			For High Early Strength, Type 3 ASTM C150, Add	13.03	
			For Lightweight Aggregate, ASTM C330, Add	39.08	
			For Up To 20, Add	38.00	
			For >20 To 50, Add	14.25	
			For >100 To 200, Deduct	-4.51	
			For >200 To 400, Deduct	-9.01	
			For >400, Deduct	-13.52	
03 31 13 00-0059	CY		12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns.....	230.72	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-7.62	
			For 2,500 PSI Concrete, Deduct	-3.81	
			For 3,500 PSI Concrete, Add	7.06	
			For 3,750 PSI Concrete, Add	9.59	
			For 4,000 PSI Concrete, Add	12.13	
			For 4,500 PSI Concrete, Add	14.11	
			For 5,000 PSI Concrete, Add	16.09	
			For 6,000 PSI Concrete, Add	38.10	
			For White Cement Concrete, Add	16.93	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.34	
			For High Early Strength, Type 3 ASTM C150, Add	14.11	
			For Lightweight Aggregate, ASTM C330, Add	42.33	
			For Up To 20, Add	35.85	
			For >20 To 50, Add	13.44	
			For >100 To 200, Deduct	-4.61	
			For >200 To 400, Deduct	-9.23	
			For >400, Deduct	-13.84	
03 31 13 00-0060	CY		18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns.....	206.25	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-7.62	
			For 2,500 PSI Concrete, Deduct	-3.81	
			For 3,500 PSI Concrete, Add	7.06	
			For 3,750 PSI Concrete, Add	9.59	
			For 4,000 PSI Concrete, Add	12.13	
			For 4,500 PSI Concrete, Add	14.11	
			For 5,000 PSI Concrete, Add	16.09	
			For 6,000 PSI Concrete, Add	38.10	
			For White Cement Concrete, Add	16.93	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.34	
			For High Early Strength, Type 3 ASTM C150, Add	14.11	
			For Lightweight Aggregate, ASTM C330, Add	42.33	
			For Up To 20, Add	26.06	
			For >20 To 50, Add	9.77	
			For >100 To 200, Deduct	-4.13	
			For >200 To 400, Deduct	-8.25	
			For >400, Deduct	-12.38	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST

03 31 13 00-0061	CY	24"	Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns		188.73	
				Note: Excludes pumping equipment.		
				For 2,000 PSI Concrete, Deduct	-7.62	
				For 2,500 PSI Concrete, Deduct	-3.81	
				For 3,500 PSI Concrete, Add	7.06	
				For 3,750 PSI Concrete, Add	9.59	
				For 4,000 PSI Concrete, Add	12.13	
				For 4,500 PSI Concrete, Add	14.11	
				For 5,000 PSI Concrete, Add	16.09	
				For 6,000 PSI Concrete, Add	38.10	
				For White Cement Concrete, Add	16.93	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.34	
				For High Early Strength, Type 3 ASTM C150, Add	14.11	
				For Lightweight Aggregate, ASTM C330, Add	42.33	
				For Up To 20, Add	19.05	
				For >20 To 50, Add	7.14	
				For >100 To 200, Deduct	-3.77	
				For >200 To 400, Deduct	-7.55	
				For >400, Deduct	-11.32	
03 31 13 00-0062	CY	36"	Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns		180.93	
				Note: Excludes pumping equipment.		
				For 2,000 PSI Concrete, Deduct	-7.62	
				For 2,500 PSI Concrete, Deduct	-3.81	
				For 3,500 PSI Concrete, Add	7.06	
				For 3,750 PSI Concrete, Add	9.59	
				For 4,000 PSI Concrete, Add	12.13	
				For 4,500 PSI Concrete, Add	14.11	
				For 5,000 PSI Concrete, Add	16.09	
				For 6,000 PSI Concrete, Add	38.10	
				For White Cement Concrete, Add	16.93	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.34	
				For High Early Strength, Type 3 ASTM C150, Add	14.11	
				For Lightweight Aggregate, ASTM C330, Add	42.33	
				For Up To 20, Add	15.93	
				For >20 To 50, Add	5.97	
				For >100 To 200, Deduct	-3.62	
				For >200 To 400, Deduct	-7.24	
				For >400, Deduct	-10.86	

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

03 31 13 00-0064	CY	Up To 8"	Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls		330.65	
				For 2,000 PSI Concrete, Deduct	-7.03	
				For 2,500 PSI Concrete, Deduct	-3.52	
				For 3,500 PSI Concrete, Add	6.51	
				For 3,750 PSI Concrete, Add	8.86	
				For 4,000 PSI Concrete, Add	11.20	
				For 4,500 PSI Concrete, Add	13.03	
				For 5,000 PSI Concrete, Add	14.85	
				For 6,000 PSI Concrete, Add	35.17	
				For White Cement Concrete, Add	15.63	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
				For High Early Strength, Type 3 ASTM C150, Add	13.03	
				For Lightweight Aggregate, ASTM C330, Add	39.08	
				For Up To 20, Add	80.16	
				For >20 To 50, Add	30.06	
				For >100 To 200, Deduct	-6.61	
				For >200 To 400, Deduct	-13.23	
				For >400, Deduct	-19.84	
03 31 13 00-0065	CY	12"	Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls		314.03	
				For 2,000 PSI Concrete, Deduct	-7.03	
				For 2,500 PSI Concrete, Deduct	-3.52	
				For 3,500 PSI Concrete, Add	6.51	
				For 3,750 PSI Concrete, Add	8.86	
				For 4,000 PSI Concrete, Add	11.20	
				For 4,500 PSI Concrete, Add	13.03	
				For 5,000 PSI Concrete, Add	14.85	
				For 6,000 PSI Concrete, Add	35.17	
				For White Cement Concrete, Add	15.63	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
				For High Early Strength, Type 3 ASTM C150, Add	13.03	
				For Lightweight Aggregate, ASTM C330, Add	39.08	
				For Up To 20, Add	73.51	
				For >20 To 50, Add	27.57	
				For >100 To 200, Deduct	-6.28	
				For >200 To 400, Deduct	-12.56	
				For >400, Deduct	-18.84	

**03 Concrete**  
**03 30 Cast-In-Place Concrete**  
**03 31 Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0066	CY		15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls .....	270.53	
			For 2,000 PSI Concrete, Deduct	-7.03	
			For 2,500 PSI Concrete, Deduct	-3.52	
			For 3,500 PSI Concrete, Add	6.51	
			For 3,750 PSI Concrete, Add	8.86	
			For 4,000 PSI Concrete, Add	11.20	
			For 4,500 PSI Concrete, Add	13.03	
			For 5,000 PSI Concrete, Add	14.85	
			For 6,000 PSI Concrete, Add	35.17	
			For White Cement Concrete, Add	15.63	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
			For High Early Strength, Type 3 ASTM C150, Add	13.03	
			For Lightweight Aggregate, ASTM C330, Add	39.08	
			For Up To 20, Add	56.11	
			For >20 To 50, Add	21.04	
			For >100 To 200, Deduct	-5.41	
			For >200 To 400, Deduct	-10.82	
			For >400, Deduct	-16.23	
03 31 13 00-0067	CY		Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls.....	218.47	
			For 2,000 PSI Concrete, Deduct	-7.03	
			For 2,500 PSI Concrete, Deduct	-3.52	
			For 3,500 PSI Concrete, Add	6.51	
			For 3,750 PSI Concrete, Add	8.86	
			For 4,000 PSI Concrete, Add	11.20	
			For 4,500 PSI Concrete, Add	13.03	
			For 5,000 PSI Concrete, Add	14.85	
			For 6,000 PSI Concrete, Add	35.17	
			For White Cement Concrete, Add	15.63	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
			For High Early Strength, Type 3 ASTM C150, Add	13.03	
			For Lightweight Aggregate, ASTM C330, Add	39.08	
			For Up To 20, Add	35.29	
			For >20 To 50, Add	13.23	
			For >100 To 200, Deduct	-4.37	
			For >200 To 400, Deduct	-8.74	
			For >400, Deduct	-13.11	
03 31 13 00-0068	CY		12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls .....	200.83	
			For 2,000 PSI Concrete, Deduct	-7.03	
			For 2,500 PSI Concrete, Deduct	-3.52	
			For 3,500 PSI Concrete, Add	6.51	
			For 3,750 PSI Concrete, Add	8.86	
			For 4,000 PSI Concrete, Add	11.20	
			For 4,500 PSI Concrete, Add	13.03	
			For 5,000 PSI Concrete, Add	14.85	
			For 6,000 PSI Concrete, Add	35.17	
			For White Cement Concrete, Add	15.63	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
			For High Early Strength, Type 3 ASTM C150, Add	13.03	
			For Lightweight Aggregate, ASTM C330, Add	39.08	
			For Up To 20, Add	28.23	
			For >20 To 50, Add	10.59	
			For >100 To 200, Deduct	-4.02	
			For >200 To 400, Deduct	-8.03	
			For >400, Deduct	-12.05	
03 31 13 00-0069	CY		15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls .....	192.00	
			For 2,000 PSI Concrete, Deduct	-7.03	
			For 2,500 PSI Concrete, Deduct	-3.52	
			For 3,500 PSI Concrete, Add	6.51	
			For 3,750 PSI Concrete, Add	8.86	
			For 4,000 PSI Concrete, Add	11.20	
			For 4,500 PSI Concrete, Add	13.03	
			For 5,000 PSI Concrete, Add	14.85	
			For 6,000 PSI Concrete, Add	35.17	
			For White Cement Concrete, Add	15.63	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
			For High Early Strength, Type 3 ASTM C150, Add	13.03	
			For Lightweight Aggregate, ASTM C330, Add	39.08	
			For Up To 20, Add	24.70	
			For >20 To 50, Add	9.26	
			For >100 To 200, Deduct	-3.84	
			For >200 To 400, Deduct	-7.68	
			For >400, Deduct	-11.52	
03 31 13 00-0070	CY		Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls.....	225.12	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-7.62	
			For 2,500 PSI Concrete, Deduct	-3.81	
			For 3,500 PSI Concrete, Add	7.06	
			For 3,750 PSI Concrete, Add	9.59	
			For 4,000 PSI Concrete, Add	12.13	
			For 4,500 PSI Concrete, Add	14.11	
			For 5,000 PSI Concrete, Add	16.09	
			For 6,000 PSI Concrete, Add	38.10	
			For White Cement Concrete, Add	16.93	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.34	
			For High Early Strength, Type 3 ASTM C150, Add	14.11	
			For Lightweight Aggregate, ASTM C330, Add	42.33	
			For Up To 20, Add	33.61	
			For >20 To 50, Add	12.60	
			For >100 To 200, Deduct	-4.50	
			For >200 To 400, Deduct	-9.00	
			For >400, Deduct	-13.51	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0071	CY	12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls		208.31	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-7.62	
			For 2,500 PSI Concrete, Deduct	-3.81	
			For 3,500 PSI Concrete, Add	7.06	
			For 3,750 PSI Concrete, Add	9.59	
			For 4,000 PSI Concrete, Add	12.13	
			For 4,500 PSI Concrete, Add	14.11	
			For 5,000 PSI Concrete, Add	16.09	
			For 6,000 PSI Concrete, Add	38.10	
			For White Cement Concrete, Add	16.93	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.34	
			For High Early Strength, Type 3 ASTM C150, Add	14.11	
			For Lightweight Aggregate, ASTM C330, Add	42.33	
			For Up To 20, Add	26.88	
			For >20 To 50, Add	10.08	
			For >100 To 200, Deduct	-4.17	
			For >200 To 400, Deduct	-8.33	
			For >400, Deduct	-12.50	
03 31 13 00-0072	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls		199.91	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-7.62	
			For 2,500 PSI Concrete, Deduct	-3.81	
			For 3,500 PSI Concrete, Add	7.06	
			For 3,750 PSI Concrete, Add	9.59	
			For 4,000 PSI Concrete, Add	12.13	
			For 4,500 PSI Concrete, Add	14.11	
			For 5,000 PSI Concrete, Add	16.09	
			For 6,000 PSI Concrete, Add	38.10	
			For White Cement Concrete, Add	16.93	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.34	
			For High Early Strength, Type 3 ASTM C150, Add	14.11	
			For Lightweight Aggregate, ASTM C330, Add	42.33	
			For Up To 20, Add	23.52	
			For >20 To 50, Add	8.82	
			For >100 To 200, Deduct	-4.00	
			For >200 To 400, Deduct	-8.00	
			For >400, Deduct	-11.99	

**03 31 13 00-0073 Place Elevated Concrete Stairs (03 31 13 00-0045)**

03 31 13 00-0074	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs		535.38	
			For 2,000 PSI Concrete, Deduct	-7.03	
			For 2,500 PSI Concrete, Deduct	-3.52	
			For 3,500 PSI Concrete, Add	6.51	
			For 3,750 PSI Concrete, Add	8.86	
			For 4,000 PSI Concrete, Add	11.20	
			For 4,500 PSI Concrete, Add	13.03	
			For 5,000 PSI Concrete, Add	14.85	
			For 6,000 PSI Concrete, Add	35.17	
			For White Cement Concrete, Add	15.63	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
			For High Early Strength, Type 3 ASTM C150, Add	13.03	
			For Lightweight Aggregate, ASTM C330, Add	39.08	
			For Up To 20, Add	162.05	
			For >20 To 50, Add	60.77	
			For >100 To 200, Deduct	-10.71	
			For >200 To 400, Deduct	-21.42	
			For >400, Deduct	-32.12	
03 31 13 00-0075	CY	Direct Chute, Place 3,000 PSI Elevated Concrete Stairs		308.60	
			For 2,000 PSI Concrete, Deduct	-7.03	
			For 2,500 PSI Concrete, Deduct	-3.52	
			For 3,500 PSI Concrete, Add	6.51	
			For 3,750 PSI Concrete, Add	8.86	
			For 4,000 PSI Concrete, Add	11.20	
			For 4,500 PSI Concrete, Add	13.03	
			For 5,000 PSI Concrete, Add	14.85	
			For 6,000 PSI Concrete, Add	35.17	
			For White Cement Concrete, Add	15.63	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
			For High Early Strength, Type 3 ASTM C150, Add	13.03	
			For Lightweight Aggregate, ASTM C330, Add	39.08	
			For Up To 20, Add	71.34	
			For >20 To 50, Add	26.75	
			For >100 To 200, Deduct	-6.17	
			For >200 To 400, Deduct	-12.34	
			For >400, Deduct	-18.52	

**03 Concrete**  
**03 30 Cast-In-Place Concrete**  
**03 31 Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31	13 00-0076	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs.....	289.73	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-7.62	
			For 2,500 PSI Concrete, Deduct	-3.81	
			For 3,500 PSI Concrete, Add	7.06	
			For 3,750 PSI Concrete, Add	9.59	
			For 4,000 PSI Concrete, Add	12.13	
			For 4,500 PSI Concrete, Add	14.11	
			For 5,000 PSI Concrete, Add	16.09	
			For 6,000 PSI Concrete, Add	38.10	
			For White Cement Concrete, Add	16.93	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.34	
			For High Early Strength, Type 3 ASTM C150, Add	14.11	
			For Lightweight Aggregate, ASTM C330, Add	42.33	
			For Up To 20, Add	59.45	
			For >20 To 50, Add	22.29	
			For >100 To 200, Deduct	-5.79	
			For >200 To 400, Deduct	-11.59	
			For >400, Deduct	-17.38	
03 31	13 00-0077		Place Concrete Coping (03 31 13 00-0045)		
03 31	13 00-0078	CY	Crane And Bucket, Place 3,000 PSI Concrete Coping.....	549.38	
			For 2,000 PSI Concrete, Deduct	-7.03	
			For 2,500 PSI Concrete, Deduct	-3.52	
			For 3,500 PSI Concrete, Add	6.51	
			For 3,750 PSI Concrete, Add	8.86	
			For 4,000 PSI Concrete, Add	11.20	
			For 4,500 PSI Concrete, Add	13.03	
			For 5,000 PSI Concrete, Add	14.85	
			For 6,000 PSI Concrete, Add	35.17	
			For White Cement Concrete, Add	15.63	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
			For High Early Strength, Type 3 ASTM C150, Add	13.03	
			For Lightweight Aggregate, ASTM C330, Add	39.08	
			For Up To 20, Add	167.65	
			For >20 To 50, Add	62.87	
			For >100 To 200, Deduct	-10.99	
			For >200 To 400, Deduct	-21.98	
			For >400, Deduct	-32.96	
03 31	13 00-0079	CY	Direct Chute, Place 3,000 PSI Concrete Coping.....	307.41	
			For 2,000 PSI Concrete, Deduct	-7.03	
			For 2,500 PSI Concrete, Deduct	-3.52	
			For 3,500 PSI Concrete, Add	6.51	
			For 3,750 PSI Concrete, Add	8.86	
			For 4,000 PSI Concrete, Add	11.20	
			For 4,500 PSI Concrete, Add	13.03	
			For 5,000 PSI Concrete, Add	14.85	
			For 6,000 PSI Concrete, Add	35.17	
			For White Cement Concrete, Add	15.63	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.93	
			For High Early Strength, Type 3 ASTM C150, Add	13.03	
			For Lightweight Aggregate, ASTM C330, Add	39.08	
			For Up To 20, Add	70.86	
			For >20 To 50, Add	26.57	
			For >100 To 200, Deduct	-6.15	
			For >200 To 400, Deduct	-12.30	
			For >400, Deduct	-18.44	
03 31	13 00-0080	CY	Concrete Pump, Place 3,000 PSI Concrete Coping.....	409.43	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-7.62	
			For 2,500 PSI Concrete, Deduct	-3.81	
			For 3,500 PSI Concrete, Add	7.06	
			For 3,750 PSI Concrete, Add	9.59	
			For 4,000 PSI Concrete, Add	12.13	
			For 4,500 PSI Concrete, Add	14.11	
			For 5,000 PSI Concrete, Add	16.09	
			For 6,000 PSI Concrete, Add	38.10	
			For White Cement Concrete, Add	16.93	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.34	
			For High Early Strength, Type 3 ASTM C150, Add	14.11	
			For Lightweight Aggregate, ASTM C330, Add	42.33	
			For Up To 20, Add	107.33	
			For >20 To 50, Add	40.25	
			For >100 To 200, Deduct	-8.19	
			For >200 To 400, Deduct	-16.38	
			For >400, Deduct	-24.57	
03 31	13 00-0081		Concrete Carts (03 31 13 00-0010)		
			Note: Used to place concrete were necessary.		
03 31	13 00-0082	CY	50' Haul, Non Motorized, Concrete Buggy .....	21.12	
03 31	13 00-0083	CY	150' Haul, Non Motorized, Concrete Buggy .....	28.27	
03 31	13 00-0084	CY	250' Haul, Non Motorized, Concrete Buggy .....	37.71	
03 31	13 00-0085	CY	50' Haul, Motorized, Concrete Buggy .....	9.70	
03 31	13 00-0086	CY	150' Haul, Motorized, Concrete Buggy .....	13.01	
03 31	13 00-0087	CY	250' Haul, Motorized, Concrete Buggy .....	17.35	
03 31	13 00-0088		Delivery Fee For Small Purchases (03 31 13)		

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0089 CY Delivery Fee For Concrete Purchases Per CY For Each CY Less Than 9 CY.....22.92  
 Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.

**03 31 13 00-0090 Equipment Pads** (03 31 13)

**03 31 13 00-0091 Small Concrete Equipment Housekeeping Pad Assemblies** (03 31 13 00-0090)

Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project. See CSI section 03 31 13 00-0002 for >50 SF concrete pads.

03 31 13 00-0092	SF	4" Equipment Pad With Welded Wire Reinforcement .....	17.24
		For >5 To 20 Pads, Deduct	-2.10
		For >20 To 50 Pads, Deduct	-3.84
		For >50 Pads, Deduct	-5.59
03 31 13 00-0093	SF	4" Equipment Pad With Rebar .....	21.04
		For >5 To 20 Pads, Deduct	-2.42
		For >20 To 50 Pads, Deduct	-4.43
		For >50 Pads, Deduct	-6.45
03 31 13 00-0094	SF	6" Equipment Pad With Rebar .....	26.65
		For >5 To 20 Pads, Deduct	-3.04
		For >20 To 50 Pads, Deduct	-5.57
		For >50 Pads, Deduct	-8.10
03 31 13 00-0095	SF	8" Equipment Pad With Rebar .....	33.60
		For >5 To 20 Pads, Deduct	-3.86
		For >20 To 50 Pads, Deduct	-7.08
		For >50 Pads, Deduct	-10.30

**03 31 16 Lightweight Structural Concrete** (03 31)

**03 31 16 00-0001 Low Density Cellular / Foam Concrete Fill** (03 31 16)

03 31 16 00-0002 CY Lightweight Low Density Cellular/Foam Concrete, 100 To 120 PCF Density Range.....245.08

**03 35 Concrete Finishing** (03 30)

**03 35 13 High-Tolerance Concrete Floor Finishing** (03 35)

**03 35 13 00-0001 Floor Finishes** (03 35 13)

Note: Task is for final finish type and includes all required prior finishes.

03 35 13 00-0002	SF	Screed, Concrete Floor Finish .....	0.92
		For Up To 100, Add	1.84
		For >100 To 250, Add	0.46
		For >250 To 500, Add	0.23
		For >5,000 To 10,000, Deduct	-0.05
		For >10,000, Deduct	-0.09
03 35 13 00-0003	SF	Darby, Concrete Floor Finish .....	1.10
		For Up To 100, Add	2.20
		For >100 To 250, Add	0.55
		For >250 To 500, Add	0.28
		For >5,000 To 10,000, Deduct	-0.06
		For >10,000, Deduct	-0.11
03 35 13 00-0004	SF	Broom, Concrete Floor Finish .....	1.21
		For Up To 100, Add	2.42
		For >100 To 250, Add	0.61
		For >250 To 500, Add	0.30
		For >5,000 To 10,000, Deduct	-0.06
		For >10,000, Deduct	-0.12
03 35 13 00-0005	SF	Final Float, Concrete Floor Finish .....	1.41
		For Up To 100, Add	2.82
		For >100 To 250, Add	0.71
		For >250 To 500, Add	0.35
		For >5,000 To 10,000, Deduct	-0.07
		For >10,000, Deduct	-0.14
03 35 13 00-0006	SF	Steel Trowel, Concrete Floor Finish .....	1.60
		For Up To 100, Add	3.20
		For >100 To 250, Add	0.80
		For >250 To 500, Add	0.40
		For >5,000 To 10,000, Deduct	-0.08
		For >10,000, Deduct	-0.16
03 35 13 00-0007	SF	Concrete Floor Finishes, Machine .....	1.41
		For Up To 100, Add	2.82
		For >100 To 250, Add	0.71
		For >250 To 500, Add	0.35
		For >5,000 To 10,000, Deduct	-0.07
		For >10,000, Deduct	-0.14

**03 35 16 Heavy-Duty Concrete Floor Finishing** (03 35)

**03 35 16 00-0001 Shake On Floor Hardeners** (03 35 16)

03 35 16 00-0002	SF	0.3 LB/SF, Metallic, Shake On Floor Hardener .....	1.10
03 35 16 00-0003	SF	0.65 LB/SF, Metallic, Shake On Floor Hardener .....	1.66
03 35 16 00-0004	SF	0.3 LB/SF, Non Metallic, Shake On Floor Hardener .....	1.05
03 35 16 00-0005	SF	0.65 LB/SF, Non Metallic, Shake On Floor Hardener .....	1.24

**03 35 19 Colored Concrete Finishing** (03 35)

**03 35 19 00-0001 Concrete Surface Treatments** (03 35 19)

**03 Concrete****03 30 Cast-In-Place Concrete****03 35 Concrete Finishing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 35 19 00-0002	SF	Acrylic Latex Bonding Agent .....	0.45
03 35 19 00-0003	SF	Epoxy Resin Bonding Agent .....	2.47
03 35 19 00-0004	SF	Clear Acrylic Sealer, Hardener And Dustproof.....	0.30
03 35 19 00-0005	SF	Colored Acrylic Sealer, Hardener And Dustproof.....	0.31

**03 35 23 Exposed Aggregate Concrete Finishing (03 35)**

03 35 23 00-0001		Exposed Aggregate, Concrete Finish (03 35 23)	
03 35 23 00-0002	SF	Exposed Aggregate, Concrete Floor Finish .....	3.02

**03 35 26 Grooved Concrete Surface Finishing (03 35)**

03 35 26 00-0001		Ramp, Grooved Concrete Surface Finishing (03 35 26)	
03 35 26 00-0002	SF	Ramp, Grooved Concrete Surface Finishing.....	4.02

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

03 35 29 00-0001		Solid Board Concrete Finish (03 35 29)	
03 35 29 00-0002	SF	Solid Board Concrete, Uniform Finish, 1 Use, Add To Formwork .....	13.76
03 35 29 00-0003	SF	Solid Board Concrete, Non Uniform Finish, 1 Use, Add To Formwork.....	14.75

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

03 35 29 00-0005	SF	2" Thick Marblecrete And Finish .....	32.09
03 35 29 00-0006	SF	4" Thick Marblecrete And Finish .....	43.06

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

03 35 33 00-0001		Stamped Concrete Finishes (03 35 33)	
03 35 33 00-0002	SF	Up To 2,500 SF Stamped Concrete Finish .....	3.64
03 35 33 00-0003	SF	>2,500 To 10,000 SF Stamped Concrete Finish .....	3.29
03 35 33 00-0004	SF	>10,000 SF Stamped Concrete Finish .....	3.15

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

03 35 43 00-0001		Concrete Floor Polishing System (03 35 43)	
		Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.	
03 35 43 00-0002	SF	Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels .....	1.74
		For Up To 500, Add	3.30
		For >500 To 1,000, Add	3.06
		For >1,000 To 2,500, Add	2.02
		For >2,500 To 4,000, Add	1.05
		For >8,000 To 15,000, Deduct	-0.41
		For >15,000 To 25,000, Deduct	-0.52
		For >25,000, Deduct	-0.73
03 35 43 00-0003	SF	Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels .....	1.40
		For Up To 500, Add	2.64
		For >500 To 1,000, Add	2.45
		For >1,000 To 2,500, Add	1.62
		For >2,500 To 4,000, Add	0.84
		For >8,000 To 15,000, Deduct	-0.33
		For >15,000 To 25,000, Deduct	-0.41
		For >25,000, Deduct	-0.58
03 35 43 00-0004	SF	Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels.....	1.17
		For Up To 500, Add	2.19
		For >500 To 1,000, Add	2.03
		For >1,000 To 2,500, Add	1.34
		For >2,500 To 4,000, Add	0.70
		For >8,000 To 15,000, Deduct	-0.27
		For >15,000 To 25,000, Deduct	-0.34
		For >25,000, Deduct	-0.49
03 35 43 00-0005	SF	Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels.....	1.09
		For Up To 500, Add	2.04
		For >500 To 1,000, Add	1.89
		For >1,000 To 2,500, Add	1.25
		For >2,500 To 4,000, Add	0.65
		For >8,000 To 15,000, Deduct	-0.25
		For >15,000 To 25,000, Deduct	-0.32
		For >25,000, Deduct	-0.45
03 35 43 00-0006	SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels.....	1.01
		For Up To 500, Add	1.88
		For >500 To 1,000, Add	1.75
		For >1,000 To 2,500, Add	1.15
		For >2,500 To 4,000, Add	0.60
		For >8,000 To 15,000, Deduct	-0.23
		For >15,000 To 25,000, Deduct	-0.30
		For >25,000, Deduct	-0.42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 35 43 00-0007	SF	Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels .....	1.01		
		For Up To 500, Add	1.88		
		For >500 To 1,000, Add	1.75		
		For >1,000 To 2,500, Add	1.15		
		For >2,500 To 4,000, Add	0.60		
		For >8,000 To 15,000, Deduct	-0.23		
		For >15,000 To 25,000, Deduct	-0.30		
		For >25,000, Deduct	-0.42		
03 35 43 00-0008	SF	Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels .....	1.01		
		For Up To 500, Add	1.88		
		For >500 To 1,000, Add	1.75		
		For >1,000 To 2,500, Add	1.15		
		For >2,500 To 4,000, Add	0.60		
		For >8,000 To 15,000, Deduct	-0.23		
		For >15,000 To 25,000, Deduct	-0.30		
		For >25,000, Deduct	-0.42		
03 35 43 00-0009	SF	Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels .....	1.01		
		For Up To 500, Add	1.88		
		For >500 To 1,000, Add	1.75		
		For >1,000 To 2,500, Add	1.15		
		For >2,500 To 4,000, Add	0.60		
		For >8,000 To 15,000, Deduct	-0.23		
		For >15,000 To 25,000, Deduct	-0.30		
		For >25,000, Deduct	-0.42		
03 35 43 00-0010	SF	High Speed Burnish Concrete Floor With Diamond Pads .....	0.21		
		For Up To 500, Add	0.41		
		For >500 To 1,000, Add	0.38		
		For >1,000 To 2,500, Add	0.25		
		For >2,500 To 4,000, Add	0.13		
		For >8,000 To 15,000, Deduct	-0.05		
		For >15,000 To 25,000, Deduct	-0.06		
		For >25,000, Deduct	-0.09		
03 35 43 00-0011	SF	Apply 1 Coat Of Concrete Densifier .....	0.26		
		For Up To 500, Add	0.50		
		For >500 To 1,000, Add	0.47		
		For >1,000 To 2,500, Add	0.31		
		For >2,500 To 4,000, Add	0.16		
		For >8,000 To 15,000, Deduct	-0.06		
		For >15,000 To 25,000, Deduct	-0.08		
		For >25,000, Deduct	-0.11		
03 35 43 00-0012	SF	Apply 2 Coats Of Concrete Densifier With Stain Protector .....	0.39		
		For Up To 500, Add	0.76		
		For >500 To 1,000, Add	0.70		
		For >1,000 To 2,500, Add	0.46		
		For >2,500 To 4,000, Add	0.24		
		For >8,000 To 15,000, Deduct	-0.09		
		For >15,000 To 25,000, Deduct	-0.12		
		For >25,000, Deduct	-0.17		
03 35 43 00-0013	SF	Concrete Floor Polishing Final Clean Up .....	0.13		
		For Up To 500, Add	0.25		
		For >500 To 1,000, Add	0.23		
		For >1,000 To 2,500, Add	0.15		
		For >2,500 To 4,000, Add	0.08		
		For >8,000 To 15,000, Deduct	-0.03		
		For >15,000 To 25,000, Deduct	-0.04		
		For >25,000, Deduct	-0.06		

**03 35 43 00-0014 Additional Concrete Floor Polishing Tasks** (03 35 43)

Note: The following tasks are only to be used with concrete floor polishing systems.

03 35 43 00-0015	SF	Removal Of Carpet And Mastic .....	0.82		
03 35 43 00-0016	SF	Removal Of VCT And Mastic .....	1.03		
03 35 43 00-0017	SF	8 Mil, 100% Solids, Epoxy Grout Coat .....	1.13		
03 35 43 00-0018	LF	Picture Frame Epoxy Boarders .....	5.95		
		Note: Includes layout and up to 6" width water based or 100% solids epoxy boarder.			
03 35 43 00-0019	LF	Install Cementitious Overlays .....	23.30		
		Note: 3/8" overlay for damaged concrete or for decorative work.			
03 35 43 00-0020	LF	Up To 1/4" Wide, Joint Fill .....	3.13		
		Note: Includes urethane, polyurea or epoxy joint fill material.			
03 35 43 00-0021	LF	Up To 1/4" Wide, Joint Replacement .....	5.71		
		Note: Includes removing existing joint material and replacing with urethane, polyurea or epoxy joint fill material.			
03 35 43 00-0022	LF	Up To 1/4" Wide, Joint Reconstruction .....	37.08		
		Note: Includes milling out damaged joint up to 1/2" depth and up to 3" on both sides. Includes rebuilding damaged joint with high impact plastic mortar and cutting new joint.			
03 35 43 00-0023	LF	Up To 1/4" Wide, Crack Fill .....	4.68		
		Note: Includes urethane, polyurea or epoxy crack fill material.			
03 35 43 00-0024	LF	Up To 1/4" Wide, Crack Chase And Fill .....	8.12		
		Note: Includes chasing crack and filling crack with urethane, polyurea or epoxy crack fill material.			
03 35 43 00-0025	LF	Hand Detail Work/Grinding .....	32.74		
03 35 43 00-0026	SF	Dye .....	0.95		

**03 35 63 Slip-Resistant Floor Finishing** (03 35)

03 35 63 00-0001 Slip-Resistant Floor Finishing (03 35 63)

**03 Concrete****03 30 Cast-In-Place Concrete****03 35 Concrete Finishing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF .....	1.26	
		<i>For Up To 100, Add</i>	1.76	
		<i>For &gt;100 To 250, Add</i>	0.44	
		<i>For &gt;250 To 500, Add</i>	0.22	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.04	
		<i>For &gt;10,000, Deduct</i>	-0.09	
03 35 63 00-0003	SF	Silicone Carbide Abrasive Floor Finish 0.25 LB/SF.....	1.11	
		<i>For Up To 100, Add</i>	1.76	
		<i>For &gt;100 To 250, Add</i>	0.44	
		<i>For &gt;250 To 500, Add</i>	0.22	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.04	
		<i>For &gt;10,000, Deduct</i>	-0.09	

**03 35 66 Acid Etch Floor Finishing (03 35)****03 35 66 00-0001 Acid Etch Floor (03 35 66)**

03 35 66 00-0002	SF	Concrete Floor Finishes, Etch With Acid And Rinse .....	0.83	
		<i>For Up To 100, Add</i>	0.84	
		<i>For &gt;100 To 250, Add</i>	0.21	
		<i>For &gt;250 To 500, Add</i>	0.11	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
		<i>For &gt;10,000, Deduct</i>	-0.04	

**03 35 83 Concrete Wall Finishing (03 35)****03 35 83 00-0001 Wall Finishes (03 35 83)**

03 35 83 00-0002	SF	Burlap Rub With Grout, New Concrete Wall Finishes .....	1.62	
		<i>For Up To 100, Add</i>	3.08	
		<i>For &gt;100 To 250, Add</i>	0.77	
		<i>For &gt;250 To 500, Add</i>	0.39	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
		<i>For &gt;10,000, Deduct</i>	-0.15	
03 35 83 00-0003	SF	1/16" Float Finish, New Concrete Wall Finishes .....	2.41	
		<i>For Up To 100, Add</i>	4.60	
		<i>For &gt;100 To 250, Add</i>	1.15	
		<i>For &gt;250 To 500, Add</i>	0.58	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
		<i>For &gt;10,000, Deduct</i>	-0.23	
03 35 83 00-0004	SF	Etch With Acid And Rinse, New Concrete Wall Finishes .....	0.92	
		<i>For Up To 100, Add</i>	1.02	
		<i>For &gt;100 To 250, Add</i>	0.26	
		<i>For &gt;250 To 500, Add</i>	0.13	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
		<i>For &gt;10,000, Deduct</i>	-0.05	
03 35 83 00-0005	SF	Bush Hammer Green Concrete, New Concrete Wall Finishes .....	4.91	
		<i>For Up To 100, Add</i>	9.74	
		<i>For &gt;100 To 250, Add</i>	2.44	
		<i>For &gt;250 To 500, Add</i>	1.22	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.24	
		<i>For &gt;10,000, Deduct</i>	-0.49	
03 35 83 00-0006	SF	Bush Hammer Cured Concrete, New Concrete Wall Finishes .....	7.61	
		<i>For Up To 100, Add</i>	15.06	
		<i>For &gt;100 To 250, Add</i>	3.77	
		<i>For &gt;250 To 500, Add</i>	1.88	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.38	
		<i>For &gt;10,000, Deduct</i>	-0.75	
03 35 83 00-0007	SF	Break Ties And Patch, New Concrete Wall Finishes.....	0.91	
		<i>For Up To 100, Add</i>	1.64	
		<i>For &gt;100 To 250, Add</i>	0.41	
		<i>For &gt;250 To 500, Add</i>	0.21	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.04	
		<i>For &gt;10,000, Deduct</i>	-0.08	
03 35 83 00-0008	SF	Carborundum Dry Rub, New Concrete Wall Finishes .....	3.15	
		<i>For Up To 100, Add</i>	6.12	
		<i>For &gt;100 To 250, Add</i>	1.53	
		<i>For &gt;250 To 500, Add</i>	0.77	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
		<i>For &gt;10,000, Deduct</i>	-0.31	
03 35 83 00-0009	SF	Carborundum Wet Rub, New Concrete Wall Finishes .....	4.82	
		<i>For Up To 100, Add</i>	9.46	
		<i>For &gt;100 To 250, Add</i>	2.37	
		<i>For &gt;250 To 500, Add</i>	1.18	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.24	
		<i>For &gt;10,000, Deduct</i>	-0.47	
03 35 83 00-0010	SF	Up To 1/4" Penetration Sand Blasting, New Concrete Wall Finishes.....	3.10	
		<i>For Up To 100, Add</i>	5.24	
		<i>For &gt;100 To 250, Add</i>	1.31	
		<i>For &gt;250 To 500, Add</i>	0.66	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
		<i>For &gt;10,000, Deduct</i>	-0.26	
03 35 83 00-0011	SF	>1/4" To 1/2" Penetration Sand Blasting, New Concrete Wall Finishes .....	8.63	
		<i>For Up To 100, Add</i>	15.34	
		<i>For &gt;100 To 250, Add</i>	3.84	
		<i>For &gt;250 To 500, Add</i>	1.92	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.38	
		<i>For &gt;10,000, Deduct</i>	-0.77	

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

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

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

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

03 37 13 00-0002	SF 1" Thick Shotcrete, Fiber Reinforced .....	4.27	
	For Up To 25, Add	0.69	
	For >25 To 50, Add	0.39	
	For >50 To 150, Add	0.13	
03 37 13 00-0003	SF 2" Thick Shotcrete, Fiber Reinforced .....	8.19	
	For Up To 25, Add	1.30	
	For >25 To 50, Add	0.73	
	For >50 To 150, Add	0.24	
03 37 13 00-0004	SF 3" Thick Shotcrete, Fiber Reinforced .....	11.81	
	For Up To 25, Add	1.83	
	For >25 To 50, Add	1.02	
	For >50 To 150, Add	0.32	
03 37 13 00-0005	SF 4" Thick Shotcrete, Fiber Reinforced .....	15.16	
	For Up To 25, Add	2.29	
	For >25 To 50, Add	1.28	
	For >50 To 150, Add	0.39	
03 37 13 00-0006	SF 6" Thick Shotcrete, Fiber Reinforced .....	21.26	
	For Up To 25, Add	3.07	
	For >25 To 50, Add	1.69	
	For >50 To 150, Add	0.47	

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

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

03 37 13 00-0008	SF 1" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	4.14	
	For Radius Or Irregular Surface, Add	0.98	
	For Up To 25, Add	0.78	
	For >25 To 50, Add	0.45	
	For >50 To 150, Add	0.18	
03 37 13 00-0009	SF 2" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	7.78	
	For Radius Or Irregular Surface, Add	1.75	
	For Up To 25, Add	1.44	
	For >25 To 50, Add	0.83	
	For >50 To 150, Add	0.33	
03 37 13 00-0010	SF 3" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	11.02	
	For Radius Or Irregular Surface, Add	2.37	
	For Up To 25, Add	1.99	
	For >25 To 50, Add	1.14	
	For >50 To 150, Add	0.44	
03 37 13 00-0011	SF 4" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	13.91	
	For Radius Or Irregular Surface, Add	2.84	
	For Up To 25, Add	2.46	
	For >25 To 50, Add	1.41	
	For >50 To 150, Add	0.53	
03 37 13 00-0012	SF 5" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	16.49	
	For Radius Or Irregular Surface, Add	3.20	
	For Up To 25, Add	2.85	
	For >25 To 50, Add	1.62	
	For >50 To 150, Add	0.60	
03 37 13 00-0013	SF 6" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	18.83	
	For Radius Or Irregular Surface, Add	3.45	
	For Up To 25, Add	3.18	
	For >25 To 50, Add	1.80	
	For >50 To 150, Add	0.65	
03 37 13 00-0014	SF 8" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	23.96	
	For Radius Or Irregular Surface, Add	4.14	
	For Up To 25, Add	3.95	
	For >25 To 50, Add	2.23	
	For >50 To 150, Add	0.78	
03 37 13 00-0015	SF 10" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	28.65	
	For Radius Or Irregular Surface, Add	4.66	
	For Up To 25, Add	4.61	
	For >25 To 50, Add	2.60	
	For >50 To 150, Add	0.87	
03 37 13 00-0016	SF 12" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	32.99	
	For Radius Or Irregular Surface, Add	5.03	
	For Up To 25, Add	5.19	
	For >25 To 50, Add	2.91	
	For >50 To 150, Add	0.94	

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

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

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

03 37 16 00-0002	HR 55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating).....	136.83	
03 37 16 00-0003	HR 70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating).....	142.80	
03 37 16 00-0004	HR 90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating).....	164.36	
03 37 16 00-0005	HR 105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating).....	177.78	
03 37 16 00-0006	HR 120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating).....	191.63	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 37 16 00-0007	HR		135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating).....	220.97	
03 37 16 00-0008	HR		148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating).....	238.47	
03 37 16 00-0009	HR		170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating).....	280.86	
03 37 16 00-0010	HR		35 CY/HR, 66 HP Trailer Mounted Concrete Pump .....	98.56	

Note: Includes hoses

**03 39 Concrete Curing** (03 30)**03 39 13 Water Concrete Curing** (03 39)**03 39 13 00-0001 Water Concrete Curing** (03 39 13)

03 39 13 00-0002	SF		Water Based Curing, Sealing, Hardening And Dustproofing Compound .....	0.28	
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Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.

**03 39 23 Membrane Concrete Curing** (03 39)**03 39 23 23 Sheet Membrane Concrete Curing** (03 39 23)**03 39 23 23-0001 Warm Weather Concrete Curing Blankets** (03 39 23 23)

03 39 23 23-0002	CSF		Warm Weather Concrete Curing Blankets .....	27.39	
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**03 39 23 23-0003 Cold Weather Concrete Curing Blankets** (03 39 23 23)

03 39 23 23-0004	CSF		Electric, Cold Weather Concrete Curing Blanket.....	215.60	
03 39 23 23-0005	CSF		Non-Electric, Cold Weather Concrete Curing Blanket.....	29.45	

**03 40 Precast Concrete** (03)

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

**03 41 Precast Structural Concrete** (03 40)**03 41 16 Precast Concrete Slabs** (03 41)**03 41 16 00-0001 Flat Floor Slab/Floor Plank** (03 41 16)**03 41 16 00-0002 Erection Costs For Using A 90 Ton Crawler Crane** (03 41 16 00-0001)

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

03 41 16 00-0003	EA		Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane .....	316.92	253.55
03 41 16 00-0004	EA		Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane .....	352.30	281.79
03 41 16 00-0005	EA		Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane .....	374.09	299.26
03 41 16 00-0006	EA		Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane .....	396.59	317.29
03 41 16 00-0007	EA		Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane .....	424.41	339.51
03 41 16 00-0008	EA		Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane .....	453.59	362.87
03 41 16 00-0009	EA		Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane .....	487.08	389.64
03 41 16 00-0010	EA		Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane .....	529.74	423.77
03 41 16 00-0011	EA		Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane .....	575.99	460.85

**03 41 16 00-0012 Material Cost** (03 41 16 00-0001)

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

03 41 16 00-0013	SF		4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect .....	27.87	
			For 3,500 PSI Concrete, Add .....	0.56	
			For 4,000 PSI Concrete, Add .....	0.84	
			For 4,500 PSI Concrete, Add .....	1.11	
			For 5,000 PSI Concrete, Add .....	1.67	
03 41 16 00-0014	SF		5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect .....	33.45	
			For 3,500 PSI Concrete, Add .....	0.67	
			For 4,000 PSI Concrete, Add .....	1.00	
			For 4,500 PSI Concrete, Add .....	1.34	
			For 5,000 PSI Concrete, Add .....	2.01	
03 41 16 00-0015	SF		6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect .....	40.88	
			For 3,500 PSI Concrete, Add .....	0.82	
			For 4,000 PSI Concrete, Add .....	1.23	
			For 4,500 PSI Concrete, Add .....	1.64	
			For 5,000 PSI Concrete, Add .....	2.45	
03 41 16 00-0016	SF		8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect .....	54.26	
			For 3,500 PSI Concrete, Add .....	1.09	
			For 4,000 PSI Concrete, Add .....	1.63	
			For 4,500 PSI Concrete, Add .....	2.17	
			For 5,000 PSI Concrete, Add .....	3.26	

**03 41 16 00-0017 Floor Units, Combination Beam And Slab** (03 41 16)**03 41 16 00-0018 Erection Costs For Using 90 Ton Crawler Crane** (03 41 16 00-0017)

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

03 41 16 00-0019	EA		Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane .....	389.24	311.38
03 41 16 00-0020	EA		Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane .....	424.25	339.44
03 41 16 00-0021	EA		Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane .....	468.90	375.08
03 41 16 00-0022	EA		Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane .....	520.66	416.51



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 41 16 00-0023	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane.....	585.27	468.17
<b>03 41 16 00-0024</b>		<b>Erection Costs Using A 125 Ton Crawler Crane</b> <small>(03 41 16 00-0017)</small>		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0025	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane.....	501.32	401.08
03 41 16 00-0026	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane.....	546.41	437.10
03 41 16 00-0027	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane.....	603.92	483.18
03 41 16 00-0028	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane.....	670.60	536.50
03 41 16 00-0029	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane.....	753.80	603.11
03 41 16 00-0030	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane.....	819.62	655.64
03 41 16 00-0031	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane.....	905.89	724.71
03 41 16 00-0032	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane.....	1,002.63	802.17
03 41 16 00-0033	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane.....	1,134.85	907.89
<b>03 41 16 00-0034</b>		<b>Material Cost</b> <small>(03 41 16 00-0017)</small>		
		Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.		
<b>03 41 16 00-0035</b>		<b>4" Slab</b> <small>(03 41 16 00-0034)</small>		
03 41 16 00-0036	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	2,935.78	
		For 3,500 PSI Concrete, Add	58.72	
		For 4,000 PSI Concrete, Add	88.07	
		For 4,500 PSI Concrete, Add	117.43	
		For 5,000 PSI Concrete, Add	176.15	
03 41 16 00-0037	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	2,972.94	
		For 3,500 PSI Concrete, Add	59.46	
		For 4,000 PSI Concrete, Add	89.19	
		For 4,500 PSI Concrete, Add	118.92	
		For 5,000 PSI Concrete, Add	178.38	
03 41 16 00-0038	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	3,344.56	
		For 3,500 PSI Concrete, Add	66.89	
		For 4,000 PSI Concrete, Add	100.34	
		For 4,500 PSI Concrete, Add	133.78	
		For 5,000 PSI Concrete, Add	200.67	
<b>03 41 16 00-0039</b>		<b>5" Slab</b> <small>(03 41 16 00-0034)</small>		
03 41 16 00-0040	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,010.10	
		For 3,500 PSI Concrete, Add	60.20	
		For 4,000 PSI Concrete, Add	90.30	
		For 4,500 PSI Concrete, Add	120.40	
		For 5,000 PSI Concrete, Add	180.61	
03 41 16 00-0041	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,121.59	
		For 3,500 PSI Concrete, Add	62.43	
		For 4,000 PSI Concrete, Add	93.65	
		For 4,500 PSI Concrete, Add	124.86	
		For 5,000 PSI Concrete, Add	187.30	
03 41 16 00-0042	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	3,976.31	
		For 3,500 PSI Concrete, Add	79.53	
		For 4,000 PSI Concrete, Add	119.29	
		For 4,500 PSI Concrete, Add	159.05	
		For 5,000 PSI Concrete, Add	238.58	
<b>03 41 16 00-0043</b>		<b>6" Slab</b> <small>(03 41 16 00-0034)</small>		
03 41 16 00-0044	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,121.59	
		For 3,500 PSI Concrete, Add	62.43	
		For 4,000 PSI Concrete, Add	93.65	
		For 4,500 PSI Concrete, Add	124.86	
		For 5,000 PSI Concrete, Add	187.30	
03 41 16 00-0045	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,716.17	
		For 3,500 PSI Concrete, Add	74.32	
		For 4,000 PSI Concrete, Add	111.49	
		For 4,500 PSI Concrete, Add	148.65	
		For 5,000 PSI Concrete, Add	222.97	
03 41 16 00-0046	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	4,533.73	
		For 3,500 PSI Concrete, Add	90.67	
		For 4,000 PSI Concrete, Add	136.01	
		For 4,500 PSI Concrete, Add	181.35	
		For 5,000 PSI Concrete, Add	272.02	
<b>03 41 19</b>		<b>Precast Concrete Wall Panels</b> <small>(03 41)</small>		
03 41 19 00-0001		<b>Structural Wall Panels</b> <small>(03 41 19)</small>		
		Note: Gray, smooth form or board finish one side.		
03 41 19 00-0002		<b>Erection Cost Using 50 Ton Hydraulic Crane</b> <small>(03 41 19 00-0001)</small>		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0003	EA	Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	310.26	248.22
03 41 19 00-0004	EA	Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	344.89	275.86
03 41 19 00-0005	EA	Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	388.24	310.61
03 41 19 00-0006	EA	Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	415.48	332.37
03 41 19 00-0007	EA	Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	444.05	355.24
03 41 19 00-0008	EA	Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	476.83	381.44

**03 Concrete****03 40 Precast Concrete****03 41 Precast Structural Concrete**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 41 19 00-0009	EA	Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane .....	518.60	414.85
03 41 19 00-0010	EA	Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane .....	563.87	451.16

**03 41 19 00-0011 Erection Cost Using 90 Ton Crawler Crane** (03 41 19 00-0001)

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

03 41 19 00-0012	EA	Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane .....	350.14	280.08
03 41 19 00-0013	EA	Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane .....	389.24	311.38
03 41 19 00-0014	EA	Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane .....	438.15	350.58
03 41 19 00-0015	EA	Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane .....	468.90	375.08
03 41 19 00-0016	EA	Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane .....	501.14	400.92
03 41 19 00-0017	EA	Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane .....	538.14	430.53
03 41 19 00-0018	EA	Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane .....	585.27	468.17
03 41 19 00-0019	EA	Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane .....	636.37	509.05
03 41 19 00-0020	EA	Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane .....	703.35	562.73
03 41 19 00-0021	EA	Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane .....	778.47	622.75
03 41 19 00-0022	EA	Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane .....	881.13	704.94
03 41 19 00-0023	EA	Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane .....	1,002.28	801.83
03 41 19 00-0024	EA	Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane .....	1,162.07	929.68

**03 41 19 00-0025 Material Cost** (03 41 19 00-0001)

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

03 41 19 00-0026	SF	4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect .....	37.16	
		For 3,500 PSI Concrete, Add	0.74	
		For 4,000 PSI Concrete, Add	1.11	
		For 4,500 PSI Concrete, Add	1.49	
		For 5,000 PSI Concrete, Add	2.23	
		For White Facing, Add	7.43	
		For Solid White Through Thickness, Add	7.43	
		For Broken Rib Finish, Add	3.72	
		For Fluted Surface, Add	3.72	
		For Exposed Aggregate, Add	7.43	
		For Sandblasting Of Surface, Add	3.72	
		For 2" Polystyrene Insulation, Add	1.15	
03 41 19 00-0027	SF	5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect .....	45.71	
		For 3,500 PSI Concrete, Add	0.91	
		For 4,000 PSI Concrete, Add	1.37	
		For 4,500 PSI Concrete, Add	1.83	
		For 5,000 PSI Concrete, Add	2.74	
		For White Facing, Add	9.14	
		For Solid White Through Thickness, Add	9.14	
		For Broken Rib Finish, Add	4.57	
		For Fluted Surface, Add	4.57	
		For Exposed Aggregate, Add	9.14	
		For Sandblasting Of Surface, Add	4.57	
		For 2" Polystyrene Insulation, Add	1.15	
03 41 19 00-0028	SF	6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect .....	55.00	
		For 3,500 PSI Concrete, Add	1.10	
		For 4,000 PSI Concrete, Add	1.65	
		For 4,500 PSI Concrete, Add	2.20	
		For 5,000 PSI Concrete, Add	3.30	
		For White Facing, Add	11.00	
		For Solid White Through Thickness, Add	11.00	
		For Broken Rib Finish, Add	5.50	
		For Fluted Surface, Add	5.50	
		For Exposed Aggregate, Add	11.00	
		For Sandblasting Of Surface, Add	5.50	
		For 2" Polystyrene Insulation, Add	1.15	
03 41 19 00-0029	SF	8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect .....	72.47	
		For 3,500 PSI Concrete, Add	1.45	
		For 4,000 PSI Concrete, Add	2.17	
		For 4,500 PSI Concrete, Add	2.90	
		For 5,000 PSI Concrete, Add	4.35	
		For White Facing, Add	14.49	
		For Solid White Through Thickness, Add	14.49	
		For Broken Rib Finish, Add	7.25	
		For Fluted Surface, Add	7.25	
		For Exposed Aggregate, Add	14.49	
		For Sandblasting Of Surface, Add	7.25	
		For 2" Polystyrene Insulation, Add	1.15	

**03 41 19 00-0030 Partition Panels** (03 41 19)**03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane** (03 41 19 00-0030)

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

03 41 19 00-0032	EA	Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane .....	248.26	198.58
03 41 19 00-0033	EA	Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane .....	275.99	220.81
03 41 19 00-0034	EA	Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane .....	310.67	248.53
03 41 19 00-0035	EA	Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane .....	355.33	284.26
03 41 19 00-0036	EA	Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane .....	381.56	305.28
03 41 19 00-0037	EA	Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane .....	414.98	331.98
03 41 19 00-0038	EA	Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane .....	451.22	361.02
03 41 19 00-0039	EA	Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane .....	498.71	398.99

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**03 41 19 00-0040**

**Erection Costs Using 50 Ton Hydraulic Crane** (03 41 19 00-0030)

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

03 41 19 00-0041	EA	Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane .....	310.26	248.22
03 41 19 00-0042	EA	Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane .....	344.89	275.86
03 41 19 00-0043	EA	Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane .....	388.24	310.61
03 41 19 00-0044	EA	Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane .....	444.05	355.24
03 41 19 00-0045	EA	Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane .....	476.83	381.44
03 41 19 00-0046	EA	Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane .....	518.60	414.85
03 41 19 00-0047	EA	Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane .....	563.87	451.16
03 41 19 00-0048	EA	Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane .....	623.23	498.56
03 41 19 00-0049	EA	Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane .....	689.79	551.84
03 41 19 00-0050	EA	Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane .....	780.75	624.56
03 41 19 00-0051	EA	Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane .....	888.09	710.48
03 41 19 00-0052	EA	Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane .....	1,029.68	823.71

**03 41 19 00-0053**

**Material Cost** (03 41 19 00-0030)

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

03 41 19 00-0054	SF	4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect .....	35.30	
		For 4,000 PSI Concrete, Add	1.06	
		For 4,500 PSI Concrete, Add	1.41	
		For 5,000 PSI Concrete, Add	2.12	
		For White Facing, Add	7.06	
		For Solid White Through Thickness, Add	7.06	
		For Broken Rib Finish, Add	3.53	
		For Fluted Surface, Add	3.53	
		For Exposed Aggregate, Add	7.06	
		For Sandblasting Of Surface, Add	3.53	
03 41 19 00-0055	SF	5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect .....	43.48	
		For 4,000 PSI Concrete, Add	1.30	
		For 4,500 PSI Concrete, Add	1.74	
		For 5,000 PSI Concrete, Add	2.61	
		For White Facing, Add	8.70	
		For Solid White Through Thickness, Add	8.70	
		For Broken Rib Finish, Add	4.35	
		For Fluted Surface, Add	4.35	
		For Exposed Aggregate, Add	8.70	
		For Sandblasting Of Surface, Add	4.35	
03 41 19 00-0056	SF	6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect .....	52.03	
		For 4,000 PSI Concrete, Add	1.56	
		For 4,500 PSI Concrete, Add	2.08	
		For 5,000 PSI Concrete, Add	3.12	
		For White Facing, Add	10.41	
		For Solid White Through Thickness, Add	10.41	
		For Broken Rib Finish, Add	5.20	
		For Fluted Surface, Add	5.20	
		For Exposed Aggregate, Add	10.41	
		For Sandblasting Of Surface, Add	5.20	
03 41 19 00-0057	SF	8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect .....	68.75	
		For 4,000 PSI Concrete, Add	2.06	
		For 4,500 PSI Concrete, Add	2.75	
		For 5,000 PSI Concrete, Add	4.13	
		For White Facing, Add	13.75	
		For Solid White Through Thickness, Add	13.75	
		For Broken Rib Finish, Add	6.88	
		For Fluted Surface, Add	6.88	
		For Exposed Aggregate, Add	13.75	
		For Sandblasting Of Surface, Add	6.88	

**03 41 19 00-0058**

**Cladding Panels** (03 41 19)

**03 41 19 00-0059**

**Erection Costs Using 50 Ton Hydraulic Crane** (03 41 19 00-0058)

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

03 41 19 00-0060	EA	Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane .....	327.41	261.87
03 41 19 00-0061	EA	Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane .....	366.22	292.97
03 41 19 00-0062	EA	Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane .....	415.48	332.37
03 41 19 00-0063	EA	Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane .....	444.05	355.24
03 41 19 00-0064	EA	Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane .....	476.83	381.44
03 41 19 00-0065	EA	Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane .....	518.60	414.85
03 41 19 00-0066	EA	Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane .....	563.87	451.16
03 41 19 00-0067	EA	Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane .....	623.23	498.56

**03 41 19 00-0068**

**Erection Costs Using 90 Ton Crawler Crane** (03 41 19 00-0058)

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

03 41 19 00-0069	EA	Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane .....	369.51	295.56
03 41 19 00-0070	EA	Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane .....	413.31	330.64
03 41 19 00-0071	EA	Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane .....	468.90	375.08
03 41 19 00-0072	EA	Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane .....	501.14	400.92
03 41 19 00-0073	EA	Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane .....	538.14	430.53
03 41 19 00-0074	EA	Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane .....	585.27	468.17
03 41 19 00-0075	EA	Erect Precast Cladding 11-13 Ton/Piece 45' Maximum Radius With 90 Ton Crane .....	636.37	509.05
03 41 19 00-0076	EA	Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane .....	703.35	562.73

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

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 41 19 00-0077	EA	Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	778.47	622.75
03 41 19 00-0078	EA	Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	881.13	704.94
03 41 19 00-0079	EA	Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	1,002.28	801.83
03 41 19 00-0080	EA	Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,162.07	929.68

**03 41 19 00-0081 Material Cost** (03 41 19 00-0081)

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

03 41 19 00-0082	SF	4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	35.30	
		<i>For 3,500 PSI Concrete, Add</i>	0.71	
		<i>For 4,000 PSI Concrete, Add</i>	1.06	
		<i>For 4,500 PSI Concrete, Add</i>	1.41	
		<i>For 5,000 PSI Concrete, Add</i>	2.12	
		<i>For White Facing, Add</i>	7.06	
		<i>For Solid White Through Thickness, Add</i>	7.06	
		<i>For Broken Rib Finish, Add</i>	3.53	
		<i>For Fluted Surface, Add</i>	3.53	
		<i>For Exposed Aggregate, Add</i>	7.06	
		<i>For Sandblasting Of Surface, Add</i>	3.53	
03 41 19 00-0083	SF	5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	43.48	
		<i>For 3,500 PSI Concrete, Add</i>	0.87	
		<i>For 4,000 PSI Concrete, Add</i>	1.30	
		<i>For 4,500 PSI Concrete, Add</i>	1.74	
		<i>For 5,000 PSI Concrete, Add</i>	2.61	
		<i>For White Facing, Add</i>	8.70	
		<i>For Solid White Through Thickness, Add</i>	8.70	
		<i>For Broken Rib Finish, Add</i>	4.35	
		<i>For Fluted Surface, Add</i>	4.35	
		<i>For Exposed Aggregate, Add</i>	8.70	
		<i>For Sandblasting Of Surface, Add</i>	4.35	
03 41 19 00-0084	SF	6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	52.03	
		<i>For 3,500 PSI Concrete, Add</i>	1.04	
		<i>For 4,000 PSI Concrete, Add</i>	1.56	
		<i>For 4,500 PSI Concrete, Add</i>	2.08	
		<i>For 5,000 PSI Concrete, Add</i>	3.12	
		<i>For White Facing, Add</i>	10.41	
		<i>For Solid White Through Thickness, Add</i>	10.41	
		<i>For Broken Rib Finish, Add</i>	5.20	
		<i>For Fluted Surface, Add</i>	5.20	
		<i>For Exposed Aggregate, Add</i>	10.41	
		<i>For Sandblasting Of Surface, Add</i>	5.20	
03 41 19 00-0085	SF	8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	68.75	
		<i>For 3,500 PSI Concrete, Add</i>	1.38	
		<i>For 4,000 PSI Concrete, Add</i>	2.06	
		<i>For 4,500 PSI Concrete, Add</i>	2.75	
		<i>For 5,000 PSI Concrete, Add</i>	4.13	
		<i>For White Facing, Add</i>	13.75	
		<i>For Solid White Through Thickness, Add</i>	13.75	
		<i>For Broken Rib Finish, Add</i>	6.88	
		<i>For Fluted Surface, Add</i>	6.88	
		<i>For Exposed Aggregate, Add</i>	13.75	
		<i>For Sandblasting Of Surface, Add</i>	6.88	

**03 41 19 00-0086 Sandwich Panel** (03 41 19)**03 41 19 00-0087 Erection Costs Using 50 Ton Hydraulic Crane** (03 41 19 00-0087)

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

03 41 19 00-0088	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	327.41	261.87
03 41 19 00-0089	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	366.22	292.97
03 41 19 00-0090	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	415.48	332.37
03 41 19 00-0091	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	444.05	355.24
03 41 19 00-0092	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	478.83	381.44
03 41 19 00-0093	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	518.60	414.85
03 41 19 00-0094	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	563.87	451.16
03 41 19 00-0095	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	623.23	498.56

**03 41 19 00-0096 Erection Costs Using 90 Ton Crawler Crane** (03 41 19 00-0096)

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

03 41 19 00-0097	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	334.45	267.50
03 41 19 00-0098	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	374.09	299.26
03 41 19 00-0099	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	424.41	339.51
03 41 19 00-0100	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	453.59	362.87
03 41 19 00-0101	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	487.08	389.64
03 41 19 00-0102	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	529.74	423.77
03 41 19 00-0103	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane.....	575.99	460.85
03 41 19 00-0104	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	636.62	509.27
03 41 19 00-0105	EA	Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	704.61	563.70
03 41 19 00-0106	EA	Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	797.53	637.98
03 41 19 00-0107	EA	Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	907.18	725.75
03 41 19 00-0108	EA	Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,051.81	841.41

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

**03 41 19 00-0109**

**Material Cost** (03 41 19 00-0086)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.

03 41 19 00-0110	SF 4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	48.31	
	For 3,500 PSI Concrete, Add	0.97	
	For 4,000 PSI Concrete, Add	1.45	
	For 4,500 PSI Concrete, Add	1.93	
	For 5,000 PSI Concrete, Add	2.90	
	For White Facing, Add	9.66	
	For Solid White Through Thickness, Add	9.66	
	For Broken Rib Finish, Add	4.83	
	For Fluted Surface, Add	4.83	
	For Exposed Aggregate, Add	9.66	
	For Sandblasting Of Surface, Add	4.83	
03 41 19 00-0111	SF 5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	56.86	
	For 3,500 PSI Concrete, Add	1.14	
	For 4,000 PSI Concrete, Add	1.71	
	For 4,500 PSI Concrete, Add	2.27	
	For 5,000 PSI Concrete, Add	3.41	
	For White Facing, Add	11.37	
	For Solid White Through Thickness, Add	11.37	
	For Broken Rib Finish, Add	5.69	
	For Fluted Surface, Add	5.69	
	For Exposed Aggregate, Add	11.37	
	For Sandblasting Of Surface, Add	5.69	
03 41 19 00-0112	SF 6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	66.15	
	For 3,500 PSI Concrete, Add	1.32	
	For 4,000 PSI Concrete, Add	1.98	
	For 4,500 PSI Concrete, Add	2.65	
	For 5,000 PSI Concrete, Add	3.97	
	For White Facing, Add	13.23	
	For Solid White Through Thickness, Add	13.23	
	For Broken Rib Finish, Add	6.62	
	For Fluted Surface, Add	6.62	
	For Exposed Aggregate, Add	13.23	
	For Sandblasting Of Surface, Add	6.62	
03 41 19 00-0113	SF 8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	83.61	
	For 3,500 PSI Concrete, Add	1.67	
	For 4,000 PSI Concrete, Add	2.51	
	For 4,500 PSI Concrete, Add	3.34	
	For 5,000 PSI Concrete, Add	5.02	
	For White Facing, Add	16.72	
	For Solid White Through Thickness, Add	16.72	
	For Broken Rib Finish, Add	8.36	
	For Fluted Surface, Add	8.36	
	For Exposed Aggregate, Add	16.72	
	For Sandblasting Of Surface, Add	8.36	

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

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

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

03 41 23 00-0002	EA Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane .....	344.89	275.86
03 41 23 00-0003	EA Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane .....	366.22	292.97
03 41 23 00-0004	EA Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane .....	388.24	310.61
03 41 23 00-0005	EA Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane .....	415.48	332.37
03 41 23 00-0006	EA Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane .....	444.05	355.24
03 41 23 00-0007	EA Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane .....	476.83	381.44
03 41 23 00-0008	EA Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane .....	518.60	414.85
03 41 23 00-0009	EA Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane .....	563.87	451.16

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

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

03 41 23 00-0011	EA Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane .....	344.89	275.86
03 41 23 00-0012	EA Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane .....	366.22	292.97
03 41 23 00-0013	EA Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane .....	388.24	310.61
03 41 23 00-0014	EA Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane .....	415.48	332.37
03 41 23 00-0015	EA Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane .....	444.05	355.24
03 41 23 00-0016	EA Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane .....	476.83	381.44
03 41 23 00-0017	EA Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane .....	518.60	414.85
03 41 23 00-0018	EA Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane .....	563.87	451.16

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

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

03 41 23 00-0020	EA 3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser .....	744.76	
	For 3,500 PSI Concrete, Add	97.19	
	For 4,000 PSI Concrete, Add	182.62	
	For 4,500 PSI Concrete, Add	268.41	
	For 5,000 PSI Concrete, Add	365.16	

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

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0001			<b>Precast Beams, Girder And Joists</b> (03 41 26)		
03 41 26 00-0002			<b>Erection Costs Using A 90 Ton Crawler Crane</b> (03 41 26 00-0001) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0003	EA		Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane.....	438.15	350.58
03 41 26 00-0004	EA		Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane.....	468.90	375.08
03 41 26 00-0005	EA		Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane.....	501.14	400.92
03 41 26 00-0006	EA		Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane.....	538.14	430.53
03 41 26 00-0007			<b>Erection Costs Using A 125 Ton Crawler Crane</b> (03 41 26 00-0001) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0008	EA		Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane.....	564.32	451.42
03 41 26 00-0009	EA		Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane.....	603.92	483.18
03 41 26 00-0010	EA		Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane.....	645.45	516.36
03 41 26 00-0011	EA		Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane.....	693.09	554.44
03 41 26 00-0012	EA		Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane.....	753.80	603.11
03 41 26 00-0013	EA		Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane.....	819.62	655.64
03 41 26 00-0014	EA		Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane.....	905.89	724.71
03 41 26 00-0015	EA		Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane.....	1,002.63	802.17
03 41 26 00-0016			<b>Material Cost</b> (03 41 26 00-0001) Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 26 00-0017			<b>1,000 LB/LF Live Load</b> (03 41 26 00-0016)		
03 41 26 00-0018	LF		Precast Structural Sections, 1,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	148.93	
			For 3,500 PSI Concrete, Add	4.07	
			For 4,000 PSI Concrete, Add	6.11	
			For 4,500 PSI Concrete, Add	8.13	
			For 5,000 PSI Concrete, Add	12.21	
03 41 26 00-0019	LF		Precast Structural Sections, 1,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	186.16	
			For 3,500 PSI Concrete, Add	5.08	
			For 4,000 PSI Concrete, Add	7.63	
			For 4,500 PSI Concrete, Add	10.16	
			For 5,000 PSI Concrete, Add	15.27	
03 41 26 00-0020	LF		Precast Structural Sections, 1,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	223.40	
			For 3,500 PSI Concrete, Add	6.10	
			For 4,000 PSI Concrete, Add	9.16	
			For 4,500 PSI Concrete, Add	12.20	
			For 5,000 PSI Concrete, Add	18.32	
03 41 26 00-0021			<b>3,000 LB/LF Live Load</b> (03 41 26 00-0016)		
03 41 26 00-0022	LF		Precast Structural Sections, 3,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	186.16	
			For 3,500 PSI Concrete, Add	5.08	
			For 4,000 PSI Concrete, Add	7.63	
			For 4,500 PSI Concrete, Add	10.16	
			For 5,000 PSI Concrete, Add	15.27	
03 41 26 00-0023	LF		Precast Structural Sections, 3,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	223.40	
			For 3,500 PSI Concrete, Add	6.10	
			For 4,000 PSI Concrete, Add	9.16	
			For 4,500 PSI Concrete, Add	12.20	
			For 5,000 PSI Concrete, Add	18.32	
03 41 26 00-0024	LF		Precast Structural Sections, 3,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	297.86	
			For 3,500 PSI Concrete, Add	8.13	
			For 4,000 PSI Concrete, Add	12.21	
			For 4,500 PSI Concrete, Add	16.26	
			For 5,000 PSI Concrete, Add	24.42	
03 41 26 00-0025			<b>5,000 LB/LF Live Load</b> (03 41 26 00-0016)		
03 41 26 00-0026	LF		Precast Structural Sections, 5,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	260.63	
			For 3,500 PSI Concrete, Add	7.12	
			For 4,000 PSI Concrete, Add	10.69	
			For 4,500 PSI Concrete, Add	14.23	
			For 5,000 PSI Concrete, Add	21.37	
03 41 26 00-0027	LF		Precast Structural Sections, 5,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	297.86	
			For 3,500 PSI Concrete, Add	8.13	
			For 4,000 PSI Concrete, Add	12.21	
			For 4,500 PSI Concrete, Add	16.26	
			For 5,000 PSI Concrete, Add	24.42	
03 41 26 00-0028	LF		Precast Structural Sections, 5,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	372.32	
			For 3,500 PSI Concrete, Add	10.16	
			For 4,000 PSI Concrete, Add	15.27	
			For 4,500 PSI Concrete, Add	20.33	
			For 5,000 PSI Concrete, Add	30.53	
03 41 26 00-0029			<b>Precast Concrete Columns</b> (03 41 26)		
03 41 26 00-0030			<b>Erection Costs Using A 90 Ton Crawler Crane</b> (03 41 26 00-0029) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0031	EA		Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	253.75	202.98
03 41 26 00-0032	EA		Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	269.79	215.80

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 41 26 00-0033	EA	Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane .....	289.14	231.33
03 41 26 00-0034	EA	Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane .....	310.15	248.11
03 41 26 00-0035	EA	Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane .....	334.45	267.50
03 41 26 00-0036	EA	Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane .....	362.87	290.30
03 41 26 00-0037	EA	Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane .....	396.59	317.29

**03 41 26 00-0038 Material Cost** (03 41 26 00-0029)  
 Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.

**03 41 26 00-0039 12" x 12" Column, Square, Tied** (03 41 26 00-0038)

03 41 26 00-0040	CY	12" x 12" Precast Column, Tied, Average Reinforced 351 LB/CY .....	770.84	
		<i>For 3,500 PSI Concrete, Add</i>	57.81	
		<i>For 4,000 PSI Concrete, Add</i>	108.69	
		<i>For 4,500 PSI Concrete, Add</i>	160.33	
		<i>For 5,000 PSI Concrete, Add</i>	218.15	

**03 41 26 00-0041 16" x 16" Column, Square, Tied** (03 41 26 00-0038)

03 41 26 00-0042	CY	16" x 16" Precast Column, Tied, Average Reinforced 368 LB/CY .....	789.87	
		<i>For 3,500 PSI Concrete, Add</i>	59.24	
		<i>For 4,000 PSI Concrete, Add</i>	111.37	
		<i>For 4,500 PSI Concrete, Add</i>	164.29	
		<i>For 5,000 PSI Concrete, Add</i>	223.53	

**03 41 26 00-0043 20" x 20" Column, Square, Tied** (03 41 26 00-0038)

03 41 26 00-0044	CY	20" x 20" Precast Column, Tied, Average Reinforced 357 LB/CY .....	791.39	
		<i>For 3,500 PSI Concrete, Add</i>	59.35	
		<i>For 4,000 PSI Concrete, Add</i>	111.59	
		<i>For 4,500 PSI Concrete, Add</i>	164.61	
		<i>For 5,000 PSI Concrete, Add</i>	223.96	

**03 41 26 00-0045 24" x 24" Column, Square, Tied** (03 41 26 00-0038)

03 41 26 00-0046	CY	24" x 24" Precast Column, Tied, Average Reinforced 365 LB/CY .....	791.39	
		<i>For 3,500 PSI Concrete, Add</i>	59.35	
		<i>For 4,000 PSI Concrete, Add</i>	111.59	
		<i>For 4,500 PSI Concrete, Add</i>	164.61	
		<i>For 5,000 PSI Concrete, Add</i>	223.96	

**03 41 26 00-0047 28" x 28" Column, Square, Tied** (03 41 26 00-0038)

03 41 26 00-0048	CY	28" x 28" Precast Column, Tied, Average Reinforced 347 LB/CY .....	791.39	
		<i>For 3,500 PSI Concrete, Add</i>	59.35	
		<i>For 4,000 PSI Concrete, Add</i>	111.59	
		<i>For 4,500 PSI Concrete, Add</i>	164.61	
		<i>For 5,000 PSI Concrete, Add</i>	223.96	

**03 41 26 00-0049 32" x 32" Column, Square, Tied** (03 41 26 00-0038)

03 41 26 00-0050	CY	32" x 32" Precast Column, Tied, Average Reinforced 351 LB/CY .....	789.87	
		<i>For 3,500 PSI Concrete, Add</i>	59.24	
		<i>For 4,000 PSI Concrete, Add</i>	111.37	
		<i>For 4,500 PSI Concrete, Add</i>	164.29	
		<i>For 5,000 PSI Concrete, Add</i>	223.53	

**03 41 26 00-0051 36" x 36" Column, Square, Tied** (03 41 26 00-0038)

03 41 26 00-0052	CY	36" x 36" Precast Column, Tied, Average Reinforced 278 LB/CY .....	791.39	
		<i>For 3,500 PSI Concrete, Add</i>	59.35	
		<i>For 4,000 PSI Concrete, Add</i>	111.59	
		<i>For 4,500 PSI Concrete, Add</i>	164.61	
		<i>For 5,000 PSI Concrete, Add</i>	223.96	

**03 41 33 Precast Structural Pretensioned Concrete** (03 41)

**03 41 33 00-0001 Slabs, Roof And Floor Members** (03 41 33)

03 41 33 00-0002	SF	4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor .....	15.74	2.05
03 41 33 00-0003	SF	6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor .....	19.62	2.05
03 41 33 00-0004	SF	8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor .....	23.51	2.15
03 41 33 00-0005	SF	10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor .....	27.41	2.25

**03 41 33 00-0006 Tee Members** (03 41 33)

**03 41 33 00-0007 Multiple Tee, Roof And Floor** (03 41 33 00-0006)

03 41 33 00-0008	SF	Prestressed Multiple Tee, Roof And Floor Members .....	35.37	2.66
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**03 41 33 00-0009 Double Tee Wall Member** (03 41 33 00-0006)

03 41 33 00-0010	SF	Prestressed Double Tee Wall Members Precast Concrete, <40' Span .....	50.06	7.27
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**03 41 33 00-0011 Single Tee, Short Span, Roof Members** (03 41 33 00-0006)

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

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
03 41 33 00-0012	SF	Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span.....	41.58	4.40
<b>03 41 33 00-0013</b>		<b>Single Tee, Long Span, Roof Members (03 41 33 00-0006)</b>		
03 41 33 00-0014	SF	Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span.....	49.89	3.79
<b>03 41 33 00-0015</b>		<b>Prestressed Concrete Items (03 41 33)</b>		
<b>03 41 33 00-0016</b>		<b>Prestressed Quad Tee (03 41 33 00-0015)</b>		
03 41 33 00-0017	SF	Tees, Prestressed Quad Tee, Short Spans, Roof.....	25.61	0.82
03 41 33 00-0018	SF	Tees, Prestressed Quad Tee, Short Spans, Floor.....	26.72	0.82
<b>03 41 33 00-0019</b>		<b>Prestressed Double Tee (03 41 33 00-0015)</b>		
03 41 33 00-0020	SF	Tees, Double Tee, Floor Members , 60' Span.....	42.59	0.72
03 41 33 00-0021	SF	Tees, Double Tee, Floor Members , 80' Span.....	58.64	0.72
03 41 33 00-0022	SF	Tees, Double Tee, Roof Members, 30' Span.....	29.06	1.23
03 41 33 00-0023	SF	Tees, Double Tee, Roof Members, 50' Span.....	45.03	0.82
03 41 33 00-0024	SF	Tees, Double Tee, Wall Members, Up To 55' High.....	31.49	1.64
<b>03 41 33 00-0025</b>		<b>Prestressed Single Tee (03 41 33 00-0015)</b>		
03 41 33 00-0026	SF	Tees, Single Tee Roof Members, 40' Span.....	50.40	1.84
03 41 33 00-0027	SF	Tees, Single Tee Roof Members, 80' Span.....	58.37	1.12
03 41 33 00-0028	SF	Tees, Single Tee Roof Members, 100' Span.....	77.23	1.03
03 41 33 00-0029	SF	Tees, Single Tee Roof Members, 120' Span.....	81.32	1.03
<b>03 41 33 00-0030</b>		<b>Prestressed Double Tee Floor Members (03 41 33 00-0015)</b>		
03 41 33 00-0031	EA	Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'.....	13,029.56	294.98
03 41 33 00-0032	EA	Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'.....	14,187.63	327.75
03 41 33 00-0033	EA	Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'.....	23,734.39	368.72
03 41 33 00-0034	EA	Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'.....	5,101.68	268.24
03 41 33 00-0035	EA	Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'.....	6,699.16	294.98
03 41 33 00-0036	EA	Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'.....	8,561.04	294.98
03 41 33 00-0037	EA	Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'.....	9,532.92	327.75
03 41 33 00-0038	EA	Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'.....	12,190.71	368.72
03 41 33 00-0039	EA	Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'.....	21,938.60	421.56
<b>03 41 33 00-0040</b>		<b>Prestressed Double Tee Roof Members (03 41 33 00-0015)</b>		
03 41 33 00-0041	EA	Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45'.....	10,236.74	294.98
03 41 33 00-0042	EA	Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50'.....	13,442.88	327.75
03 41 33 00-0043	EA	Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60'.....	22,058.70	368.72
03 41 33 00-0044	EA	Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30'.....	6,851.85	268.24
03 41 33 00-0045	EA	Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30'.....	7,220.48	294.98
03 41 33 00-0046	EA	Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30'.....	8,002.47	294.98
03 41 33 00-0047	EA	Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40'.....	8,229.60	327.75
03 41 33 00-0048	EA	Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50'.....	10,887.39	368.72
03 41 33 00-0049	EA	Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60'.....	18,773.39	421.56
<b>03 41 33 00-0050</b>		<b>Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab (03 41 33)</b>		
03 41 33 00-0051	SF	Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete.....	27.06	
03 41 33 00-0052	SF	Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete.....	28.18	
03 41 33 00-0053	SF	Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete.....	29.48	
03 41 33 00-0054	SF	Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete.....	30.46	
03 41 33 00-0055	SF	Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete.....	32.55	
<b>03 41 33 00-0056</b>		<b>Double And Single Tees (03 41 33)</b>		
<b>03 41 33 00-0057</b>		<b>Double And Single Tees With 16" Roof And Floor Loading (03 41 33 00-0056)</b>		
03 41 33 00-0058	SF	Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....	32.71	
03 41 33 00-0059	SF	Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....	31.93	
03 41 33 00-0060	SF	Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete.....	30.15	
03 41 33 00-0061	SF	Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	32.71	
03 41 33 00-0062	SF	Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	32.60	
03 41 33 00-0063	SF	Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....	50.14	
03 41 33 00-0064	SF	Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....	49.02	
03 41 33 00-0065	SF	Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete.....	45.90	
03 41 33 00-0066	SF	Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	50.14	
03 41 33 00-0067	SF	Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	47.01	
<b>03 41 33 00-0068</b>		<b>Double And Single Tees With 24" Roof And Floor Loading (03 41 33 00-0056)</b>		
03 41 33 00-0069	SF	Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....	33.71	
03 41 33 00-0070	SF	Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....	32.93	
03 41 33 00-0071	SF	Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete.....	31.83	
03 41 33 00-0072	SF	Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	33.71	
03 41 33 00-0073	SF	Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	32.60	
03 41 33 00-0074	SF	Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....	51.48	
03 41 33 00-0075	SF	Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....	50.36	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 41 33 00-0076	SF	Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete.....	48.58		
03 41 33 00-0077	SF	Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	51.48		
03 41 33 00-0078	SF	Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	50.03		

**03 41 33 00-0079 Double And Single Tees With 32" Roof And Floor Loading (03 41 33 00-0056)**

03 41 33 00-0080	SF	Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete.....	35.55		
03 41 33 00-0081	SF	Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete.....	34.43		
03 41 33 00-0082	SF	Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete.....	33.31		
03 41 33 00-0083	SF	Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete.....	54.65		
03 41 33 00-0084	SF	Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete.....	52.87		
03 41 33 00-0085	SF	Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete.....	50.74		

**03 48 Precast Concrete Specialties (03 40)**

**03 48 16 Precast Concrete Splash Blocks (03 48)**

**03 48 16 00-0001 Precast Concrete Splash Blocks (03 48 16)**

03 48 16 00-0002	EA	Precast Concrete Splash Blocks, 20" x 12" x 3".....	34.55		3.39
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**03 48 21 Precast Concrete Handrails (03 48)**

**03 48 21 00-0001 Installation Cost (03 48 21)**

Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.

03 48 21 00-0002	EA	Install Precast Handrails, 0-2 Ton/Handrail.....	141.50		63.70
03 48 21 00-0003	EA	Install Precast Handrails, Over 2 Ton/Handrail.....	169.69		76.34

**03 48 21 00-0004 Material Cost (03 48 21)**

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.

03 48 21 00-0005	CY	4" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	2,941.87		
		<i>For 3,500 PSI Concrete, Add</i>	191.96		
		<i>For 4,000 PSI Concrete, Add</i>	360.67		
		<i>For 4,500 PSI Concrete, Add</i>	530.12		
		<i>For 5,000 PSI Concrete, Add</i>	721.20		
03 48 21 00-0006	CY	5" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	3,053.59		
		<i>For 3,500 PSI Concrete, Add</i>	199.25		
		<i>For 4,000 PSI Concrete, Add</i>	374.37		
		<i>For 4,500 PSI Concrete, Add</i>	550.26		
		<i>For 5,000 PSI Concrete, Add</i>	748.59		
03 48 21 00-0007	CY	6" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	3,165.31		
		<i>For 3,500 PSI Concrete, Add</i>	206.54		
		<i>For 4,000 PSI Concrete, Add</i>	388.07		
		<i>For 4,500 PSI Concrete, Add</i>	570.39		
		<i>For 5,000 PSI Concrete, Add</i>	775.98		
03 48 21 00-0008	CY	8" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	3,314.26		
		<i>For 3,500 PSI Concrete, Add</i>	216.26		
		<i>For 4,000 PSI Concrete, Add</i>	406.33		
		<i>For 4,500 PSI Concrete, Add</i>	597.23		
		<i>For 5,000 PSI Concrete, Add</i>	812.49		

**03 48 22 Precast Concrete Sun Screen and Trellis (03 48)**

**03 48 22 00-0001 Sun Screen Blades (03 48 22)**

**03 48 22 00-0002 Installation Cost (03 48 22 00-0001)**

Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.

03 48 22 00-0003	EA	Install Precast Sun Screen Blade, 0-1 Ton/Each.....	70.75		31.85
03 48 22 00-0004	EA	Install Precast Sun Screen Blade, 1-2 Ton/Each.....	85.00		38.22
03 48 22 00-0005	EA	Install Precast Sun Screen Blade, 2-3 Ton/Each.....	106.20		47.82

**03 48 22 00-0006 Material Cost (03 48 22 00-0001)**

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 22 00-0007	CY	4" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	3,128.07		
		<i>For 3,500 PSI Concrete, Add</i>	204.11		
		<i>For 4,000 PSI Concrete, Add</i>	383.50		
		<i>For 4,500 PSI Concrete, Add</i>	563.68		
		<i>For 5,000 PSI Concrete, Add</i>	766.85		
03 48 22 00-0008	CY	5" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	3,239.78		
		<i>For 3,500 PSI Concrete, Add</i>	211.40		
		<i>For 4,000 PSI Concrete, Add</i>	397.20		
		<i>For 4,500 PSI Concrete, Add</i>	583.81		
		<i>For 5,000 PSI Concrete, Add</i>	794.23		
03 48 22 00-0009	CY	6" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	3,388.74		
		<i>For 3,500 PSI Concrete, Add</i>	221.12		
		<i>For 4,000 PSI Concrete, Add</i>	415.46		
		<i>For 4,500 PSI Concrete, Add</i>	610.65		
		<i>For 5,000 PSI Concrete, Add</i>	830.75		
03 48 22 00-0010	CY	8" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	3,537.70		
		<i>For 3,500 PSI Concrete, Add</i>	230.83		
		<i>For 4,000 PSI Concrete, Add</i>	433.72		
		<i>For 4,500 PSI Concrete, Add</i>	637.49		
		<i>For 5,000 PSI Concrete, Add</i>	867.27		

**03 Concrete****03 40 Precast Concrete****03 48 Precast Concrete Specialties**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 48 22 00-0011	Sun Screen/Trellis Units <small>(03 48 22)</small>		
03 48 22 00-0012	Installation Cost Using A 50 Ton Hydraulic Crane <small>(03 48 22 00-0011)</small> Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.		
03 48 22 00-0013	EA Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane .....	327.41	147.31
03 48 22 00-0014	EA Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane .....	366.22	164.86
03 48 22 00-0015	EA Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane .....	415.48	186.94
03 48 22 00-0016	EA Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane .....	444.05	199.82
03 48 22 00-0017	Material Cost <small>(03 48 22 00-0011)</small> Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018	CY 4" Thick 3,000 PSI Concrete Precast Trellises Blades..... For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	3,612.17 235.69 442.85 650.91 885.52	
03 48 22 00-0019	CY 5" Thick 3,000 PSI Concrete Precast Trellises Blades..... For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	3,723.89 242.98 456.55 671.04 912.91	
03 48 22 00-0020	CY 6" Thick 3,000 PSI Concrete Precast Trellises Blades..... For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	3,872.85 252.70 474.81 697.89 949.43	
03 48 22 00-0021	CY 8" Thick 3,000 PSI Concrete Precast Trellises Blades..... For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	4,059.04 264.85 497.64 731.44 995.07	
<b>03 48 24</b>	<b>Precast Minaret Segments <small>(03 48)</small></b>		
03 48 24 00-0001	Installation Costs Using A 50 Ton Hydraulic Crane <small>(03 48 24)</small> Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 24 00-0002	L - Shaped Segments <small>(03 48 24 00-0001)</small>		
03 48 24 00-0003	EA Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane .....	318.60	254.89
03 48 24 00-0004	EA Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane .....	357.03	285.63
03 48 24 00-0005	EA Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane .....	403.68	322.94
03 48 24 00-0006	EA Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane .....	430.59	344.47
03 48 24 00-0007	O - Shaped Segments <small>(03 48 24 00-0001)</small>		
03 48 24 00-0008	EA Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane.....	336.72	269.43
03 48 24 00-0009	EA Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane.....	377.92	302.28
03 48 24 00-0010	EA Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane.....	428.00	342.36
03 48 24 00-0011	EA Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane.....	458.38	366.68
03 48 24 00-0012	Platform Segment <small>(03 48 24 00-0001)</small>		
03 48 24 00-0013	EA Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane.....	645.89	516.76
03 48 24 00-0014	EA Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane.....	780.75	624.56
03 48 24 00-0015	EA Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane.....	866.44	693.16
03 48 24 00-0016	EA Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane.....	973.26	778.64
03 48 24 00-0017	Cap Segment <small>(03 48 24 00-0001)</small>		
03 48 24 00-0018	EA Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane .....	353.48	282.75
03 48 24 00-0019	EA Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane .....	394.71	315.72
03 48 24 00-0020	EA Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane .....	449.67	359.68
03 48 24 00-0021	EA Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane .....	480.06	383.99
03 48 24 00-0022	Installation Costs Using A 90 Ton Crawler Crane <small>(03 48 24)</small> Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		
03 48 24 00-0023	L - Shaped Segments <small>(03 48 24 00-0022)</small>		
03 48 24 00-0024	EA Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane.....	325.45	260.36
03 48 24 00-0025	EA Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane.....	364.70	291.77
03 48 24 00-0026	EA Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane.....	412.36	329.88
03 48 24 00-0027	EA Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane.....	439.84	351.87
03 48 24 00-0028	O - Shaped Segment <small>(03 48 24 00-0022)</small>		
03 48 24 00-0029	EA Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane.....	343.95	275.22
03 48 24 00-0030	EA Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane.....	386.04	308.78
03 48 24 00-0031	EA Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane.....	437.20	349.72
03 48 24 00-0032	EA Install Minaret, O-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane.....	468.23	374.56
03 48 24 00-0033	Platform Segment <small>(03 48 24 00-0022)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 48 24 00-0034	EA	Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	525.90	420.71
03 48 24 00-0035	EA	Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	636.62	509.27
03 48 24 00-0036	EA	Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	704.61	563.70
03 48 24 00-0037	EA	Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane .....	797.53	637.98

**03 48 24 00-0038 Cap Segment** (03 48 24 00-0022)

03 48 24 00-0039	EA	Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	361.07	288.83
03 48 24 00-0040	EA	Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	403.19	322.50
03 48 24 00-0041	EA	Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	459.33	367.41
03 48 24 00-0042	EA	Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane .....	490.37	392.24

**03 48 24 00-0043 Material Costs** (03 48 24)

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 24 00-0044	CY	Precast Concrete Minaret, L-Shaped Segments, 3,000 PSI Concrete.....	8,936.84	
		Note: Including Post Tension Cost		
03 48 24 00-0045	CY	Precast Concrete Minaret, O-Shaped Segments, 3,000 PSI Concrete.....	8,936.84	
		Note: Including Post Tension Cost		
03 48 24 00-0046	CY	Precast Concrete Minaret, Platform Segments, 3,000 PSI Concrete.....	8,936.84	
		Note: Including Post Tension Cost		
03 48 24 00-0047	CY	Precast Concrete Minaret, Cap Segments, 3,000 PSI Concrete.....	8,936.84	
		Note: Including Post Tension Cost		

**03 48 29 Precast Accessories** (03 48)

Note: Includes installation labor, material and equipment.

**03 48 29 00-0001 Bearing Pads For Precast Members** (03 48 29)

**03 48 29 00-0002 Continuous 2" Wide Strips** (03 48 29 00-0001)

03 48 29 00-0003	LF	Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips .....	1.13	
		Note: For precast members		
03 48 29 00-0004	LF	Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips .....	1.57	
		Note: For precast members.		
03 48 29 00-0005	LF	Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips .....	2.53	
		Note: For precast members		
03 48 29 00-0006	LF	Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips .....	3.52	
		Note: For precast members		
03 48 29 00-0007	LF	Bearing Pads, Continuous 2" Wide x 1" Thick Strips .....	4.55	
		Note: For precast members		
03 48 29 00-0008	LF	Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips .....	6.50	
		Note: For precast members		

**03 48 29 00-0009 Bearing Pad Pipe Supports** (03 48 29)

03 48 29 00-0010	LF	4" x 4" Precast Pipe Support.....	7.62	
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**03 48 46 Precast Skylight Shells** (03 48)

**03 48 46 00-0001 Installation Cost Using A 90 Ton Crawler Crane** (03 48 46)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.

03 48 46 00-0002	EA	Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane .....	468.90	211.04
03 48 46 00-0003	EA	Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane .....	520.66	234.31
03 48 46 00-0004	EA	Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane .....	585.27	263.38

**03 48 46 00-0005 Material Cost** (03 48 46)

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 46 00-0006	CY	3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius .....	3,738.89	
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**03 48 49 Precast Landings** (03 48)

03 48 49 00-0001	SF	3" Thick Precast Landing .....	92.08	
03 48 49 00-0002	SF	4" Thick Precast Landing .....	107.43	
03 48 49 00-0003	SF	5" Thick Precast Landing .....	121.95	
03 48 49 00-0004	SF	6" Thick Precast Landing .....	140.58	

**03 48 54 Precast Concrete Blocks** (03 48)

**03 48 54 00-0001 Precast Concrete Blocks** (03 48 54)

03 48 54 00-0002	EA	2' x 2' x 2' Precast Concrete Block.....	104.64	37.12
03 48 54 00-0003	EA	2' x 2' x 4' Precast Concrete Block.....	148.21	46.39
03 48 54 00-0004	EA	2' x 2' x 8' Precast Concrete Block.....	242.80	55.68

**03 50 Cast Decks and Underlayment** (03)

**03 51 Cast Roof Decks** (03 50)

**03 51 13 Cementitious Wood Fiber Decks** (03 51)

**03 51 13 00-0001 Cement Fiber Tongue And Groove Planks** (03 51 13)

03 51 13 00-0002	SF	1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System .....	3.17	
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**03 Concrete****03 50 Cast Decks and Underlayment****03 51 Cast Roof Decks**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 51 13 00-0003	SF	1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System .....	3.28	
03 51 13 00-0004	SF	2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System .....	3.45	
03 51 13 00-0005	SF	2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System .....	3.87	
03 51 13 00-0006	SF	3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System .....	4.34	
03 51 13 00-0007	SF	3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System .....	4.88	
03 51 13 00-0008	SF	4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System .....	5.54	

**03 51 16 Gypsum Concrete Roof Decks (03 51)****03 51 16 00-0001 Class A Gypsum Fill Concrete Deck (03 51 16)**

03 51 16 00-0002	SF	2" Thick Precast Gypsum Fill Concrete Deck, Class A .....	10.28	0.49
03 51 16 00-0003	SF	2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A .....	12.75	0.58
03 51 16 00-0004	SF	3" Thick Precast Gypsum Fill Concrete Deck, Class A .....	15.23	0.66
03 51 16 00-0005	SF	3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A .....	17.73	0.75
03 51 16 00-0006	SF	4" Thick Precast Gypsum Fill Concrete Deck, Class A .....	20.25	0.83

**03 51 16 00-0007 Form Board For Lightweight Deck (03 51 16)**

03 51 16 00-0008	SF	Gypsum Deck Form Board, 1/2" Drywall For Lightweight Deck .....	1.90	
03 51 16 00-0009	SF	Gypsum Deck Form Board, 1" Mineral Fiber Board For Lightweight Deck .....	2.47	
03 51 16 00-0010	SF	Gypsum Deck Form Board, 1-1/2" Mineral Fiber Board For Lightweight Deck .....	4.92	
03 51 16 00-0011	SF	Gypsum Deck Form Board, 1" Cementitious Fiber Board For Lightweight Deck .....	2.09	0.54
03 51 16 00-0012	SF	Gypsum Deck Form Board, 1-1/2" Cementitious Fiber Board For Lightweight Deck .....	2.51	0.54
03 51 16 00-0013	SF	Gypsum Deck Form Board, 1" Glass Fiber Board For Lightweight Deck .....	2.75	0.54
03 51 16 00-0014	SF	Gypsum Deck Form Board, 1-1/2" Glass Fiber Board For Lightweight Deck .....	3.37	0.54

**03 51 16 00-0015 Gypsum Plank (03 51 16)**

03 51 16 00-0016	SF	2" Thick, Insulating Concrete Gypsum Plank, Roof Deck.....	3.28	
03 51 16 00-0017	SF	3" Thick, Insulating Concrete Gypsum Plank, Roof Deck.....	4.27	

**03 53 Concrete Topping (03 50)**

Note: Installed over new or existing concrete.

**03 53 14 Granolithic Concrete Topping (03 53)****03 53 14 00-0001 Granolithic Topping Laid After (03 53 14)**

Note: Using 1:1:1-1/2 mix.

03 53 14 00-0002	SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix .....	3.83	
03 53 14 00-0003	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix .....	4.12	
03 53 14 00-0004	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix .....	5.12	

**03 53 19 Concrete Overlayment (03 53)****03 53 19 00-0001 Integral Topping Including Hard Trowel Finish (03 53 19)**

Note: Using 1:1:2 mix.

03 53 19 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix .....	2.28	
03 53 19 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix .....	2.53	
03 53 19 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix .....	2.95	
03 53 19 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix .....	3.47	
03 53 19 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix .....	4.87	
03 53 19 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix .....	4.10	
03 53 19 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix .....	4.56	

**03 54 Cast Underlayment (03 50)**

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

**03 54 16 Hydraulic Cement Underlayment (03 54)****03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors (03 54 16)**

Note: Includes primer.

03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors .....	1.34	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.13	
		For >100 To 250 SF, Add	0.07	
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors .....	2.26	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.13	
		For >100 To 250 SF, Add	0.07	
03 54 16 00-0004	SF	3/8" Thick Self Leveling Cementitious Underlayment For Floors .....	2.88	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.13	
		For >100 To 250 SF, Add	0.07	
03 54 16 00-0005	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors .....	4.11	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.13	
		For >100 To 250 SF, Add	0.07	
03 54 16 00-0006	SF	5/8" Thick Self Leveling Cementitious Underlayment For Floors .....	4.85	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.13	
		For >100 To 250 SF, Add	0.07	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 54	16 00-0007	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors .....6.00 Note: Including Surface Preparation		
				For Up To 100 SF, Add	0.15	
				For >100 To 250 SF, Add	0.08	
	03 54	16 00-0008	SF	1" Thick Self Leveling Cementitious Underlayment For Floors .....7.84 Note: Including Surface Preparation		
				For Up To 100 SF, Add	0.15	
				For >100 To 250 SF, Add	0.08	
	03 54	16 00-0009	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors .....10.34 Note: Including Surface Preparation		
				For Up To 100 SF, Add	0.17	
				For >100 To 250 SF, Add	0.09	
	03 54	16 00-0010	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors .....11.58 Note: Including Surface Preparation		
				For Up To 100 SF, Add	0.17	
				For >100 To 250 SF, Add	0.09	
	03 54	16 00-0011	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors .....15.36 Note: Including Surface Preparation		
				For Up To 100 SF, Add	0.21	
				For >100 To 250 SF, Add	0.11	

03 60 Grouting <sup>(03)</sup>

03 61 Cementitious Grouting <sup>(03 60)</sup>

Note: 1 part cement to 3 parts sand by volume.

**03 61 16 Cementitious Flowable Grout** <sup>(03 61)</sup>

03 61 16 00-0001 Cementitious Flowable Grout <sup>(03 61 16)</sup>

03 61 16 00-0002	CY	Cementitious Flowable Grout.....	381.55
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03 62 Non-Shrink Grouting <sup>(03 60)</sup>

**03 62 13 Non-Metallic Non-Shrink Grouting** <sup>(03 62)</sup>

03 62 13 00-0001 Fluid Type, Non-Metallic Non-Shrink Grouting For Bases <sup>(03 62 13)</sup>

03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases .....	22.71
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases .....	32.99

03 62 13 00-0004 Non-Metallic Non-Shrink Grouting For Bases <sup>(03 62 13)</sup>

03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases .....	34.49
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases .....	54.52

03 62 13 00-0007 Non-Metallic Non-Shrink Grouting For Joints <sup>(03 62 13)</sup>

03 62 13 00-0008 1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints <sup>(03 62 13 00-0007)</sup>

03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints .....	1.79
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints .....	2.33
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints .....	3.08

03 62 13 00-0012 1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints <sup>(03 62 13 00-0007)</sup>

03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints .....	2.61
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints .....	3.45
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints .....	4.60

**03 62 16 Metallic Non-Shrink Grouting** <sup>(03 62)</sup>

03 62 16 00-0001 Metallic Non-Shrink Grouting For Bases <sup>(03 62 16)</sup>

03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases .....	29.79
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases .....	45.40

03 62 16 00-0004 Metallic Non-Shrink Grouting For Joints <sup>(03 62 16)</sup>

03 62 16 00-0005 1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints <sup>(03 62 16 00-0004)</sup>

03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints .....	1.50
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints .....	1.88
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints .....	2.51

03 62 16 00-0009 1" Joint Thickness, Metallic Non-Shrink Grout For Joints <sup>(03 62 16 00-0004)</sup>

03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints .....	2.04
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints .....	2.57
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints .....	3.43

03 64 Injection Grouting <sup>(03 60)</sup>

Note: By volume of void filled. Includes injection ports.

**03 64 23 Epoxy Injection Grouting** <sup>(03 64)</sup>

**03 Concrete****03 60 Grouting****03 64 Injection Grouting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**03 64 23 00-0001 Pressure Injected Epoxy Grout (03 64 23)**

03 64 23 00-0002	CF		Pressure Injected Epoxy Grout .....	855.66	
			<i>For &gt;4, Deduct</i>		-89.36

**03 64 26 Cementitious Injection Grouting (03 64)****03 64 26 00-0001 Pressure Injected Cementitious Grout (03 64 26)**

03 64 26 00-0002	CF		Pressure Injected Cementitious Grout .....	169.20	
			<i>For &gt;4, Deduct</i>		-41.86

**03 80 Concrete Cutting and Boring (03)****03 81 Concrete Cutting (03 80)****03 81 13 Flat Concrete Sawing (03 81)**

See CSI section 02 41 19 13-0001 for saw cutting.

**03 81 16 Track Mounted Concrete Wall Sawing (03 81)**

See CSI section 02 41 19 13-0001 for saw cutting.

**03 82 Concrete Boring (03 80)****03 82 13 Concrete Core Drilling (03 82)**

See CSI section 02 41 19 13-0024 for core drilling.

**END OF SECTION 03**

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 Masonry

04 01 Maintenance of Masonry <sup>(04)</sup>

04 01 20 Maintenance of Unit Masonry <sup>(04 01)</sup>

Note: For use on existing brick. Includes clean-up of debris. Excludes disposal.

**04 01 20 41 Unit Masonry Stabilization <sup>(04 01 20)</sup>**

04 01 20 41-0001 Unit Masonry Stabilization (Helifix®) <sup>(04 01 20 41)</sup>

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) <sup>(04 01 20 41-0001)</sup>

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) <sup>(04 01 20 41-0002)</sup>

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	21.86
		For Up To 10, Add	10.22
		For >10 To 50, Add	5.11
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	31.00
		For Up To 10, Add	10.22
		For >10 To 50, Add	5.11
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	40.93
		For Up To 10, Add	10.22
		For >10 To 50, Add	5.11

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) <sup>(04 01 20 41-0002)</sup>

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	23.84
		For Up To 10, Add	10.22
		For >10 To 50, Add	5.11
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	34.52
		For Up To 10, Add	10.22
		For >10 To 50, Add	5.11
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	46.21
		For Up To 10, Add	10.22
		For >10 To 50, Add	5.11

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) <sup>(04 01 20 41-0001)</sup>

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) <sup>(04 01 20 41-0011)</sup>

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	60.00
		For Up To 10, Add	40.89
		For >10 To 50, Add	20.45
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	65.19
		For Up To 10, Add	40.89
		For >10 To 50, Add	20.45
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	185.69
		For Up To 10, Add	40.89
		For >10 To 50, Add	20.45
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	60.00
		For Up To 10, Add	40.89
		For >10 To 50, Add	20.45
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	65.19
		For Up To 10, Add	40.89
		For >10 To 50, Add	20.45
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	71.10
		For Up To 10, Add	40.89
		For >10 To 50, Add	20.45
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	82.20
		For Up To 10, Add	40.89
		For >10 To 50, Add	20.45
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	185.69
		For Up To 10, Add	40.89
		For >10 To 50, Add	20.45

04 01 20 41-0021 316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) <sup>(04 01 20 41-0011)</sup>

04 01 20 41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	62.82
		For Up To 10, Add	40.89
		For >10 To 50, Add	20.45

**04 Masonry****04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
04 01 20 41-0023	EA 4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	68.96	
	For Up To 10, Add .....	40.89	
	For >10 To 50, Add .....	20.45	
04 01 20 41-0024	EA 4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	209.24	
	For Up To 10, Add .....	40.89	
	For >10 To 50, Add .....	20.45	
04 01 20 41-0025	EA 6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	62.82	
	For Up To 10, Add .....	40.89	
	For >10 To 50, Add .....	20.45	
04 01 20 41-0026	EA 6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	68.96	
	For Up To 10, Add .....	40.89	
	For >10 To 50, Add .....	20.45	
04 01 20 41-0027	EA 6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	75.81	
	For Up To 10, Add .....	40.89	
	For >10 To 50, Add .....	20.45	
04 01 20 41-0028	EA 6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	88.80	
	For Up To 10, Add .....	40.89	
	For >10 To 50, Add .....	20.45	
04 01 20 41-0029	EA 6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	209.24	
	For Up To 10, Add .....	40.89	
	For >10 To 50, Add .....	20.45	
04 01 20 41-0030	<b>Mechanical Repair Anchors (Helifix® TorkFix)</b> (04 01 20 41-0001) Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.		
04 01 20 41-0031	<b>304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix)</b> (04 01 20 41-0030)		
04 01 20 41-0032	EA 4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	11.15	
	For Up To 10, Add .....	6.13	
	For >10 To 50, Add .....	3.07	
04 01 20 41-0033	EA 5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	12.08	
	For Up To 10, Add .....	6.13	
	For >10 To 50, Add .....	3.07	
04 01 20 41-0034	EA 6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	13.01	
	For Up To 10, Add .....	6.13	
	For >10 To 50, Add .....	3.07	
04 01 20 41-0035	EA 7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	13.94	
	For Up To 10, Add .....	6.13	
	For >10 To 50, Add .....	3.07	
04 01 20 41-0036	EA 8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	14.87	
	For Up To 10, Add .....	6.13	
	For >10 To 50, Add .....	3.07	
04 01 20 41-0037	EA 9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	15.80	
	For Up To 10, Add .....	6.13	
	For >10 To 50, Add .....	3.07	
04 01 20 41-0038	EA 4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	11.15	
	For Up To 10, Add .....	6.13	
	For >10 To 50, Add .....	3.07	
04 01 20 41-0039	EA 5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	12.08	
	For Up To 10, Add .....	6.13	
	For >10 To 50, Add .....	3.07	
04 01 20 41-0040	EA 6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	13.01	
	For Up To 10, Add .....	6.13	
	For >10 To 50, Add .....	3.07	
04 01 20 41-0041	EA 7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	13.94	
	For Up To 10, Add .....	6.13	
	For >10 To 50, Add .....	3.07	
04 01 20 41-0042	EA 8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	14.87	
	For Up To 10, Add .....	6.13	
	For >10 To 50, Add .....	3.07	
04 01 20 41-0043	EA 10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	16.73	
	For Up To 10, Add .....	6.13	
	For >10 To 50, Add .....	3.07	
04 01 20 41-0044	EA 4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix) .....	11.15	
	For Up To 10, Add .....	6.13	
	For >10 To 50, Add .....	3.07	
04 01 20 41-0045	EA 6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix) .....	13.01	
	For Up To 10, Add .....	6.13	
	For >10 To 50, Add .....	3.07	
04 01 20 41-0046	EA 8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix) .....	14.40	
	For Up To 10, Add .....	6.13	
	For >10 To 50, Add .....	3.07	
04 01 20 41-0047	<b>316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix)</b> (04 01 20 41-0030)		
04 01 20 41-0048	EA 4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	11.15	
	For Up To 10, Add .....	6.13	
	For >10 To 50, Add .....	3.07	
04 01 20 41-0049	EA 5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	12.08	
	For Up To 10, Add .....	6.13	
	For >10 To 50, Add .....	3.07	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	04 01 20 41-0050	EA		6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) ..... 13.01		
				<i>For Up To 10, Add</i> ..... 6.13		
				<i>For &gt;10 To 50, Add</i> ..... 3.07		
	04 01 20 41-0051	EA		7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) ..... 13.94		
				<i>For Up To 10, Add</i> ..... 6.13		
				<i>For &gt;10 To 50, Add</i> ..... 3.07		
	04 01 20 41-0052	EA		8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) ..... 14.87		
				<i>For Up To 10, Add</i> ..... 6.13		
				<i>For &gt;10 To 50, Add</i> ..... 3.07		
	04 01 20 41-0053	EA		9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) ..... 15.80		
				<i>For Up To 10, Add</i> ..... 6.13		
				<i>For &gt;10 To 50, Add</i> ..... 3.07		
	04 01 20 41-0054	EA		4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) ..... 11.15		
				<i>For Up To 10, Add</i> ..... 6.13		
				<i>For &gt;10 To 50, Add</i> ..... 3.07		
	04 01 20 41-0055	EA		5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) ..... 12.08		
				<i>For Up To 10, Add</i> ..... 6.13		
				<i>For &gt;10 To 50, Add</i> ..... 3.07		
	04 01 20 41-0056	EA		6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) ..... 13.01		
				<i>For Up To 10, Add</i> ..... 6.13		
				<i>For &gt;10 To 50, Add</i> ..... 3.07		
	04 01 20 41-0057	EA		7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) ..... 13.94		
				<i>For Up To 10, Add</i> ..... 6.13		
				<i>For &gt;10 To 50, Add</i> ..... 3.07		
	04 01 20 41-0058	EA		8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) ..... 14.87		
				<i>For Up To 10, Add</i> ..... 6.13		
				<i>For &gt;10 To 50, Add</i> ..... 3.07		
	04 01 20 41-0059	EA		10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) ..... 16.73		
				<i>For Up To 10, Add</i> ..... 6.13		
				<i>For &gt;10 To 50, Add</i> ..... 3.07		
	04 01 20 41-0060	EA		4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix) ..... 11.15		
				<i>For Up To 10, Add</i> ..... 6.13		
				<i>For &gt;10 To 50, Add</i> ..... 3.07		
	04 01 20 41-0061	EA		6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix) ..... 13.01		
				<i>For Up To 10, Add</i> ..... 6.13		
				<i>For &gt;10 To 50, Add</i> ..... 3.07		
	04 01 20 41-0062	EA		8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix) ..... 14.40		
				<i>For Up To 10, Add</i> ..... 6.13		
				<i>For &gt;10 To 50, Add</i> ..... 3.07		
	04 01 20 41-0063			<b>Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)</b> <small>(04 01 20 41-0001)</small>		
				<small>Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.</small>		
	04 01 20 41-0064			<b>304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)</b> <small>(04 01 20 41-0063)</small>		
	04 01 20 41-0065	EA		8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) ..... 8.96		
				<i>For Up To 10, Add</i> ..... 6.13		
				<i>For &gt;10 To 50, Add</i> ..... 3.07		
				<i>For Metal Stud Clip, Add</i> ..... 2.46		
	04 01 20 41-0066	EA		8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) ..... 9.29		
				<i>For Up To 10, Add</i> ..... 6.13		
				<i>For &gt;10 To 50, Add</i> ..... 3.07		
				<i>For Metal Stud Clip, Add</i> ..... 2.46		
	04 01 20 41-0067	EA		8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) ..... 9.36		
				<i>For Up To 10, Add</i> ..... 6.13		
				<i>For &gt;10 To 50, Add</i> ..... 3.07		
				<i>For Metal Stud Clip, Add</i> ..... 2.46		
	04 01 20 41-0068	EA		8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) ..... 9.50		
				<i>For Up To 10, Add</i> ..... 6.13		
				<i>For &gt;10 To 50, Add</i> ..... 3.07		
				<i>For Metal Stud Clip, Add</i> ..... 2.46		
	04 01 20 41-0069	EA		8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) ..... 9.74		
				<i>For Up To 10, Add</i> ..... 6.13		
				<i>For &gt;10 To 50, Add</i> ..... 3.07		
				<i>For Metal Stud Clip, Add</i> ..... 2.46		
	04 01 20 41-0070	EA		8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) ..... 9.94		
				<i>For Up To 10, Add</i> ..... 6.13		
				<i>For &gt;10 To 50, Add</i> ..... 3.07		
				<i>For Metal Stud Clip, Add</i> ..... 2.46		
	04 01 20 41-0071	EA		8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) ..... 10.05		
				<i>For Up To 10, Add</i> ..... 6.13		
				<i>For &gt;10 To 50, Add</i> ..... 3.07		
				<i>For Metal Stud Clip, Add</i> ..... 2.46		

**04 Masonry**  
**04 01 Maintenance of Masonry**  
**04 01 20 Maintenance of Unit Masonry**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 01 20 41-0072	EA	8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.18
		<i>For Up To 10, Add</i>	6.13
		<i>For &gt;10 To 50, Add</i>	3.07
		<i>For Metal Stud Clip, Add</i>	2.46
04 01 20 41-0073	EA	8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.77
		<i>For Up To 10, Add</i>	6.13
		<i>For &gt;10 To 50, Add</i>	3.07
		<i>For Metal Stud Clip, Add</i>	2.46
04 01 20 41-0074	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.86
		<i>For Up To 10, Add</i>	6.13
		<i>For &gt;10 To 50, Add</i>	3.07
		<i>For Metal Stud Clip, Add</i>	2.46
04 01 20 41-0075	EA	8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.57
		<i>For Up To 10, Add</i>	6.13
		<i>For &gt;10 To 50, Add</i>	3.07
		<i>For Metal Stud Clip, Add</i>	2.46
04 01 20 41-0076	EA	8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.18
		<i>For Up To 10, Add</i>	6.13
		<i>For &gt;10 To 50, Add</i>	3.07
		<i>For Metal Stud Clip, Add</i>	2.46
04 01 20 41-0077	EA	8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.70
		<i>For Up To 10, Add</i>	6.13
		<i>For &gt;10 To 50, Add</i>	3.07
		<i>For Metal Stud Clip, Add</i>	2.46
04 01 20 41-0078	EA	8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.52
		<i>For Up To 10, Add</i>	6.13
		<i>For &gt;10 To 50, Add</i>	3.07
		<i>For Metal Stud Clip, Add</i>	2.46
04 01 20 41-0079	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.15
		<i>For Up To 10, Add</i>	6.13
		<i>For &gt;10 To 50, Add</i>	3.07
		<i>For Metal Stud Clip, Add</i>	2.46
04 01 20 41-0080	EA	8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	18.31
		<i>For Up To 10, Add</i>	6.13
		<i>For &gt;10 To 50, Add</i>	3.07
		<i>For Metal Stud Clip, Add</i>	2.46
04 01 20 41-0081	EA	10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.07
		<i>For Up To 10, Add</i>	6.13
		<i>For &gt;10 To 50, Add</i>	3.07
		<i>For Metal Stud Clip, Add</i>	2.46
04 01 20 41-0082	EA	10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.43
		<i>For Up To 10, Add</i>	6.13
		<i>For &gt;10 To 50, Add</i>	3.07
		<i>For Metal Stud Clip, Add</i>	2.46
04 01 20 41-0083	EA	10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.76
		<i>For Up To 10, Add</i>	6.13
		<i>For &gt;10 To 50, Add</i>	3.07
		<i>For Metal Stud Clip, Add</i>	2.46
04 01 20 41-0084	EA	10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.05
		<i>For Up To 10, Add</i>	6.13
		<i>For &gt;10 To 50, Add</i>	3.07
		<i>For Metal Stud Clip, Add</i>	2.46
04 01 20 41-0085	EA	10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.23
		<i>For Up To 10, Add</i>	6.13
		<i>For &gt;10 To 50, Add</i>	3.07
		<i>For Metal Stud Clip, Add</i>	2.46
04 01 20 41-0086	EA	10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.36
		<i>For Up To 10, Add</i>	6.13
		<i>For &gt;10 To 50, Add</i>	3.07
		<i>For Metal Stud Clip, Add</i>	2.46
04 01 20 41-0087	EA	10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.58
		<i>For Up To 10, Add</i>	6.13
		<i>For &gt;10 To 50, Add</i>	3.07
		<i>For Metal Stud Clip, Add</i>	2.46
04 01 20 41-0088	EA	10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.67
		<i>For Up To 10, Add</i>	6.13
		<i>For &gt;10 To 50, Add</i>	3.07
		<i>For Metal Stud Clip, Add</i>	2.46
04 01 20 41-0089	EA	10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.09
		<i>For Up To 10, Add</i>	6.13
		<i>For &gt;10 To 50, Add</i>	3.07
		<i>For Metal Stud Clip, Add</i>	2.46

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0090	EA	10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.69	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0091	EA	10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.19	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0092	EA	10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.83	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0093	EA	10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.25	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0094	EA	10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.17	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0095	EA	10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.15	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0096	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.85	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0097	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.07	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0098	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.21	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0099	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.31	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0100	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.61	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0101	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.08	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0102	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.26	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0103	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.73	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0104	EA	10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.41	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0105	EA	10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.82	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0106	EA	10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.11	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0107	EA	10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.29	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	

**04 Masonry****04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.42	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.73	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®).....	4.75	
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
		<i>For Up To 10, Add</i>	3.07	
		<i>For &gt;10 To 50, Add</i>	1.54	
<b>04 01 20 41-0111</b>		<b>316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0063)</b>		
04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.49	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.91	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.99	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.16	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.46	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.72	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.85	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.01	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0120	EA	8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.63	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0121	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.74	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0122	EA	8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.63	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0123	EA	8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.39	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0124	EA	8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.04	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0125	EA	8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.32	
		<i>For Up To 10, Add</i>	6.13	
		<i>For &gt;10 To 50, Add</i>	3.07	
		<i>For Metal Stud Clip, Add</i>	2.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0126	EA		8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.17	
			For Up To 10, Add	6.13	
			For >10 To 50, Add	3.07	
			For Metal Stud Clip, Add	2.46	
04 01 20 41-0127	EA		8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	20.87	
			For Up To 10, Add	6.13	
			For >10 To 50, Add	3.07	
			For Metal Stud Clip, Add	2.46	
04 01 20 41-0128	EA		10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.70	
			For Up To 10, Add	6.13	
			For >10 To 50, Add	3.07	
			For Metal Stud Clip, Add	2.46	
04 01 20 41-0129	EA		10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.11	
			For Up To 10, Add	6.13	
			For >10 To 50, Add	3.07	
			For Metal Stud Clip, Add	2.46	
04 01 20 41-0130	EA		10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.52	
			For Up To 10, Add	6.13	
			For >10 To 50, Add	3.07	
			For Metal Stud Clip, Add	2.46	
04 01 20 41-0131	EA		10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.88	
			For Up To 10, Add	6.13	
			For >10 To 50, Add	3.07	
			For Metal Stud Clip, Add	2.46	
04 01 20 41-0132	EA		10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.12	
			For Up To 10, Add	6.13	
			For >10 To 50, Add	3.07	
			For Metal Stud Clip, Add	2.46	
04 01 20 41-0133	EA		10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.27	
			For Up To 10, Add	6.13	
			For >10 To 50, Add	3.07	
			For Metal Stud Clip, Add	2.46	
04 01 20 41-0134	EA		10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.55	
			For Up To 10, Add	6.13	
			For >10 To 50, Add	3.07	
			For Metal Stud Clip, Add	2.46	
04 01 20 41-0135	EA		10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.66	
			For Up To 10, Add	6.13	
			For >10 To 50, Add	3.07	
			For Metal Stud Clip, Add	2.46	
04 01 20 41-0136	EA		10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.15	
			For Up To 10, Add	6.13	
			For >10 To 50, Add	3.07	
			For Metal Stud Clip, Add	2.46	
04 01 20 41-0137	EA		10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.83	
			For Up To 10, Add	6.13	
			For >10 To 50, Add	3.07	
			For Metal Stud Clip, Add	2.46	
04 01 20 41-0138	EA		10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.45	
			For Up To 10, Add	6.13	
			For >10 To 50, Add	3.07	
			For Metal Stud Clip, Add	2.46	
04 01 20 41-0139	EA		10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.24	
			For Up To 10, Add	6.13	
			For >10 To 50, Add	3.07	
			For Metal Stud Clip, Add	2.46	
04 01 20 41-0140	EA		10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.52	
			For Up To 10, Add	6.13	
			For >10 To 50, Add	3.07	
			For Metal Stud Clip, Add	2.46	
04 01 20 41-0141	EA		10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	20.57	
			For Up To 10, Add	6.13	
			For >10 To 50, Add	3.07	
			For Metal Stud Clip, Add	2.46	
04 01 20 41-0142	EA		10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	24.30	
			For Up To 10, Add	6.13	
			For >10 To 50, Add	3.07	
			For Metal Stud Clip, Add	2.46	
04 01 20 41-0143	EA		8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	10.70	
			For Up To 10, Add	6.13	
			For >10 To 50, Add	3.07	
			For Metal Stud Clip, Add	2.46	

**04 Masonry****04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0144	EA		8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.93	
			<i>For Up To 10, Add</i>	6.13	
			<i>For &gt;10 To 50, Add</i>	3.07	
			<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0145	EA		8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.10	
			<i>For Up To 10, Add</i>	6.13	
			<i>For &gt;10 To 50, Add</i>	3.07	
			<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0146	EA		8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.23	
			<i>For Up To 10, Add</i>	6.13	
			<i>For &gt;10 To 50, Add</i>	3.07	
			<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0147	EA		8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.60	
			<i>For Up To 10, Add</i>	6.13	
			<i>For &gt;10 To 50, Add</i>	3.07	
			<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0148	EA		8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.20	
			<i>For Up To 10, Add</i>	6.13	
			<i>For &gt;10 To 50, Add</i>	3.07	
			<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0149	EA		8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.39	
			<i>For Up To 10, Add</i>	6.13	
			<i>For &gt;10 To 50, Add</i>	3.07	
			<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0150	EA		8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.98	
			<i>For Up To 10, Add</i>	6.13	
			<i>For &gt;10 To 50, Add</i>	3.07	
			<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0151	EA		10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.30	
			<i>For Up To 10, Add</i>	6.13	
			<i>For &gt;10 To 50, Add</i>	3.07	
			<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0152	EA		10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.81	
			<i>For Up To 10, Add</i>	6.13	
			<i>For &gt;10 To 50, Add</i>	3.07	
			<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0153	EA		10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.18	
			<i>For Up To 10, Add</i>	6.13	
			<i>For &gt;10 To 50, Add</i>	3.07	
			<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0154	EA		10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.41	
			<i>For Up To 10, Add</i>	6.13	
			<i>For &gt;10 To 50, Add</i>	3.07	
			<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0155	EA		10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.57	
			<i>For Up To 10, Add</i>	6.13	
			<i>For &gt;10 To 50, Add</i>	3.07	
			<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0156	EA		10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.95	
			<i>For Up To 10, Add</i>	6.13	
			<i>For &gt;10 To 50, Add</i>	3.07	
			<i>For Metal Stud Clip, Add</i>	2.46	
04 01 20 41-0157	EA		316 Stainless Steel, Seismic Connector (Helifix® DryFix®).....	5.16	
			Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
			<i>For Up To 10, Add</i>	3.07	
			<i>For &gt;10 To 50, Add</i>	1.54	
04 01 20 41-0158			<b>Concrete Patching Pins (Helifix® PatchPin)</b> (04 01 20 41-0001)		
			Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.		
04 01 20 41-0159			<b>304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)</b>		
			(04 01 20 41-0158)		
04 01 20 41-0160	EA		8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin).....	7.66	
			<i>For Up To 10, Add</i>	6.13	
			<i>For &gt;10 To 50, Add</i>	3.07	
04 01 20 41-0161	EA		8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin).....	7.70	
			<i>For Up To 10, Add</i>	6.13	
			<i>For &gt;10 To 50, Add</i>	3.07	
04 01 20 41-0162			<b>316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)</b>		
			(04 01 20 41-0158)		
04 01 20 41-0163	EA		8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin).....	7.95	
			<i>For Up To 10, Add</i>	6.13	
			<i>For &gt;10 To 50, Add</i>	3.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

04 01 20 41-0164	EA	8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin).....	8.01		
		<i>For Up To 10, Add</i>	6.13		
		<i>For &gt;10 To 50, Add</i>	3.07		
04 01 20 41-0165		<b>Movement Joint Ties (Helifix® Movement Joint Tie</b> <small>(04 01 20 41-0001)</small>			
		Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.			
04 01 20 41-0166		<b>304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie)</b> <small>(04 01 20 41-0165)</small>			
04 01 20 41-0167	EA	6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie).....	49.62		
		<i>For Up To 10, Add</i>	40.89		
		<i>For &gt;10 To 50, Add</i>	20.45		
04 01 20 41-0168		<b>316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie)</b> <small>(04 01 20 41-0165)</small>			
04 01 20 41-0169	EA	6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie).....	50.93		
		<i>For Up To 10, Add</i>	40.89		
		<i>For &gt;10 To 50, Add</i>	20.45		
04 01 20 41-0170		<b>Unit Masonry Stabilization</b> <small>(04 01 20 41)</small>			
04 01 20 41-0171		<b>Repair Bulging Or Loose Masonry</b> <small>(04 01 20 41-0170)</small>			
04 01 20 41-0172	SF	Repair Bulging Or Loose Masonry Using Existing Masonry.....	77.26		
		Note: Includes saw cutting, tothing, removing loose masonry, installing anchor and reinstalling brick and mortar.			
04 01 20 41-0173	SF	Repair Bulging Or Loose Masonry Using New Masonry.....	82.30		
		Note: Includes saw cutting, tothing, removing loose masonry, installing anchor and installing new brick and mortar.			
<b>04 01 20 51</b>		<b>Unit Masonry Maintenance</b> <small>(04 01 20)</small>			
04 01 20 51-0001		<b>Grind Unit Masonry</b> <small>(04 01 20 51)</small>			
04 01 20 51-0002	SF	Grind Smooth Masonry Wall.....	3.63		
<b>04 01 20 91</b>		<b>Unit Masonry Restoration</b> <small>(04 01 20)</small>			
04 01 20 91-0001		<b>Cut And Repoint Masonry</b> <small>(04 01 20 91)</small>			
		Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.			
04 01 20 91-0002	SF	Cut And Repoint, Hard Mortar, Running Bond, Brick.....	10.15		
		<i>For Common Bond, Add</i>	0.38		
		<i>For Flemish Bond, Add</i>	1.34		
		<i>For English Bond, Add</i>	2.20		
		<i>For Oversized Or Larger Than Standard, Deduct</i>	-1.52		
		<i>For &gt;250 To 1,000, Deduct</i>	-0.48		
		<i>For &gt;1,000, Deduct</i>	-0.99		
04 01 20 91-0003	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick.....	7.07		
		<i>For Common Bond, Add</i>	0.26		
		<i>For Flemish Bond, Add</i>	0.91		
		<i>For English Bond, Add</i>	1.50		
		<i>For Oversized Or Larger Than Standard, Deduct</i>	-1.06		
		<i>For &gt;250 To 1,000, Deduct</i>	-0.33		
		<i>For &gt;1,000, Deduct</i>	-0.68		
04 01 20 91-0004	SF	Cut And Repoint, Hard Mortar, Running Bond, Concrete Block.....	5.15		
		<i>For Common Bond, Add</i>	0.18		
		<i>For Oversized Or Larger Than Standard, Deduct</i>	-0.77		
		<i>For &gt;250 To 1,000, Deduct</i>	-0.23		
		<i>For &gt;1,000, Deduct</i>	-0.49		
04 01 20 91-0005	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block.....	3.70		
		<i>For Common Bond, Add</i>	0.13		
		<i>For Oversized Or Larger Than Standard, Deduct</i>	-0.56		
		<i>For &gt;250 To 1,000, Deduct</i>	-0.16		
		<i>For &gt;1,000, Deduct</i>	-0.34		
04 01 20 91-0006	LF	Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area.....	3.07		
04 01 20 91-0007		<b>Repair Masonry</b> <small>(04 01 20 91)</small>			
		Note: Includes mortar for repair.			
04 01 20 91-0008	SF	Patch And Repair Terra Cotta Walls Or Coping.....	16.95		
		Note: Including Replacement Of Damaged Material			
04 01 20 91-0009	SF	Patch And Repair Terra Cotta Floors.....	15.68		
		Note: Including Replacement Of Damaged Material			
04 01 20 91-0010	LF	Chip And Repair With Masonry Patch, Cracks Up To 1/4".....	4.68		
04 01 20 91-0011	SF	Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade.....	6.87		
04 01 20 91-0012	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570).....	28.05		
		<i>For Cracks Accessible From Both Sides, Add</i>	5.69		
04 01 20 91-0013	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52).....	25.12		
		<i>For Cracks Accessible From Both Sides, Add</i>	5.69		

**04 Masonry****04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 01 20 91-0014	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52) .....	6.74
		For V-Grooving Crack With Grinder, Add .....	4.97
04 01 20 91-0015	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52) .....	8.95
		For V-Grooving Crack With Grinder, Add .....	4.71

**04 01 50 Maintenance of Refractory Masonry** (04 01)**04 01 50 52 Refractory Masonry Cleaning** (04 01 50)**04 01 50 52-0001 Chimney Cleaning** (04 01 50 52)

04 01 50 52-0002	LF	Up To 2 SF Cross Section Chimney Cleaning .....	6.04
04 01 50 52-0003	LF	>2 To 4 SF Cross Section Chimney Cleaning .....	12.06
04 01 50 52-0004	LF	>4 SF Cross Section Chimney Cleaning .....	18.10

**04 05 Common Work Results for Masonry** (04)**04 05 13 Masonry Mortaring** (04 05)**04 05 13 26 Engineered Masonry Mortaring** (04 05 13)

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

**04 05 13 26-0001 Masonry Cement Mortar** (04 05 13 26)

Note: Ratio is bag material to sand.

04 05 13 26-0002	CF	Type M Masonry Cement 1:1:6 Mix .....	6.83
04 05 13 26-0003	CF	Type N Masonry Cement 1:3 Mix .....	6.30
04 05 13 26-0004	CF	Type O Masonry Cement 1:3 Mix .....	6.47
04 05 13 26-0005	CF	Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI .....	7.08
04 05 13 26-0006	CF	Type S Masonry Cement 1/2:1:4 Mix .....	7.47

**04 05 13 26-0007 Mortar Admixture** (04 05 13 26)

04 05 13 26-0008	CF	Water - Repellent Stearate - Cost Based On CF Of Mortar .....	0.32
04 05 13 26-0009	CF	Pozzolanic Plasticizers - Cost Based On CF Of Mortar .....	0.06

**04 05 13 26-0010 Color Admixtures For Mortar** (04 05 13 26)

Note: Costs are based on CF of mortar.

04 05 13 26-0011	CF	Buff Colored Admixture .....	2.03
04 05 13 26-0012	CF	Brown Colored Admixture .....	2.30
04 05 13 26-0013	CF	Black Colored Admixture .....	2.85
04 05 13 26-0014	CF	Red Colored Admixture .....	6.24

**04 05 13 26-0015 Portland Cement** (04 05 13 26)

04 05 13 26-0016	CF	Normal Portland Cement (Type I) .....	10.82
04 05 13 26-0017	CF	Modified Portland Cement (Type II) .....	5.39
04 05 13 26-0018	CF	High Early Strength Portland Cement (Type III) .....	5.73
04 05 13 26-0019	CF	White Non Staining Portland Cement (Type I) .....	11.99

**04 05 16 Masonry Grouting** (04 05)**04 05 16 26 Engineered Masonry Grouting** (04 05 16)

Note: Does not include reinforcement.

**04 05 16 26-0001 Grout Bond Beams And Lintels, Grout Fill** (04 05 16 26)

Note: Excludes block.

04 05 16 26-0002	LF	Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep .....	4.17
04 05 16 26-0003	LF	Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep .....	4.54
04 05 16 26-0004	LF	Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep .....	5.03
04 05 16 26-0005	LF	Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep .....	5.59

**04 05 16 26-0006 Grout Concrete Block Cores, Grout Fill** (04 05 16 26)

Note: Per SF of face area filled.

04 05 16 26-0007	SF	Grout Concrete Block Cores- 4" Block, Grout Fill Block Solid (0.067 CF/SF) .....	3.34
04 05 16 26-0008	SF	Grout Concrete Block Cores- 6" Block, Grout Fill Block Solid (0.175 CF/SF) .....	4.76
04 05 16 26-0009	SF	Grout Concrete Block Cores- 8" Block, Grout Fill Block Solid (0.258 CF/SF) .....	6.78
04 05 16 26-0010	SF	Grout Concrete Block Cores- 10" Block, Grout Fill Block Solid (0.34 CF/SF) .....	8.29
04 05 16 26-0011	SF	Grout Concrete Block Cores- 12" Block, Grout Fill Block Solid (0.422 CF/SF) .....	9.77

**04 05 16 26-0012 Grout Cavity Walls, Grout Fill** (04 05 16 26)

Note: Per SF of face area filled.

04 05 16 26-0013	SF	Grout Cavity Walls - 2" Space, Grout Fill (0.167 CF/SF) .....	3.82
04 05 16 26-0014	SF	Grout Cavity Walls - 3" Space, Grout Fill (0.250 CF/SF) .....	5.36
04 05 16 26-0015	SF	Grout Cavity Walls - 4" Space, Grout Fill (0.333 CF/SF) .....	6.70
04 05 16 26-0016	SF	Grout Cavity Walls - 6" Space, Grout Fill (0.500 CF/SF) .....	9.04

**04 05 16 26-0017 Grout Frames, Grout Fill** (04 05 16 26)



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

04 05 16 26-0018	LF	Grout Door Frames - Grout Fill .....	5.92	
04 05 16 26-0019	LF	Grout Window Frames - Grout Fill .....	5.05	

**04 05 16 26-0020 Sand Filled Walls** (04 05 16 26)

**04 05 16 26-0021 Sand Fill Cavity Walls, Sand Fill** (04 05 16 26-0020)

Note: Per SF of face area filled.

04 05 16 26-0022	SF	Sand Fill Cavity Walls - 2" Space, Sand Fill (0.167 CF/SF) .....	3.38	
04 05 16 26-0023	SF	Sand Fill Cavity Walls - 3" Space, Sand Fill (0.250 CF/SF) .....	4.67	
04 05 16 26-0024	SF	Sand Fill Cavity Walls - 4" Space, Sand Fill (0.333 CF/SF) .....	5.74	
04 05 16 26-0025	SF	Sand Fill Cavity Walls - 6" Space, Sand Fill (0.500 CF/SF) .....	7.66	

**04 05 19 Masonry Anchorage and Reinforcing** (04 05)

**04 05 19 13 Continuous Joint Reinforcing** (04 05 19)

Note: Includes cutting and bending.

**04 05 19 13-0001 Continuous Joint Reinforcing** (04 05 19 13)

**04 05 19 13-0002 Ladder-Type, Masonry Wall Reinforcement** (04 05 19 13-0001)

**04 05 19 13-0003 Ladder-Type, Masonry Wall Reinforcement** (04 05 19 13-0002)

**04 05 19 13-0004 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement** (04 05 19 13-0003)

04 05 19 13-0005	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	62.05	
		<i>For Hot-Dipped Galvanized, Add</i>	11.00	
		<i>For Stainless Steel, Add</i>	44.00	
04 05 19 13-0006	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	65.90	
		<i>For Hot-Dipped Galvanized, Add</i>	11.56	
		<i>For Stainless Steel, Add</i>	46.22	
04 05 19 13-0007	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	71.04	
		<i>For Hot-Dipped Galvanized, Add</i>	12.18	
		<i>For Stainless Steel, Add</i>	48.72	
04 05 19 13-0008	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	77.12	
		<i>For Hot-Dipped Galvanized, Add</i>	12.89	
		<i>For Stainless Steel, Add</i>	51.54	
04 05 19 13-0009	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	84.21	
		<i>For Hot-Dipped Galvanized, Add</i>	13.58	
		<i>For Stainless Steel, Add</i>	54.30	
04 05 19 13-0010	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	89.45	
		<i>For Hot-Dipped Galvanized, Add</i>	13.92	
		<i>For Stainless Steel, Add</i>	55.66	
04 05 19 13-0011	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	93.29	
		<i>For Hot-Dipped Galvanized, Add</i>	14.30	
		<i>For Stainless Steel, Add</i>	57.20	
04 05 19 13-0012	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	108.12	
		<i>For Hot-Dipped Galvanized, Add</i>	19.66	
		<i>For Stainless Steel, Add</i>	78.64	
04 05 19 13-0013	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	133.69	
		<i>For Hot-Dipped Galvanized, Add</i>	30.39	
		<i>For Stainless Steel, Add</i>	121.56	

**04 05 19 13-0014 Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement** (04 05 19 13-0003)

04 05 19 13-0015	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	74.25	
		<i>For Hot-Dipped Galvanized, Add</i>	17.10	
		<i>For Stainless Steel, Add</i>	68.40	
04 05 19 13-0016	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	78.23	
		<i>For Hot-Dipped Galvanized, Add</i>	17.72	
		<i>For Stainless Steel, Add</i>	70.88	
04 05 19 13-0017	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	83.50	
		<i>For Hot-Dipped Galvanized, Add</i>	18.41	
		<i>For Stainless Steel, Add</i>	73.64	
04 05 19 13-0018	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	89.45	
		<i>For Hot-Dipped Galvanized, Add</i>	19.05	
		<i>For Stainless Steel, Add</i>	76.20	
04 05 19 13-0019	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	96.51	
		<i>For Hot-Dipped Galvanized, Add</i>	19.73	
		<i>For Stainless Steel, Add</i>	78.90	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
04 05 19 13-0020	CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	101.79	
	<i>For Hot-Dipped Galvanized, Add</i>	20.10	
	<i>For Stainless Steel, Add</i>	80.38	
04 05 19 13-0021	CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	105.57	
	<i>For Hot-Dipped Galvanized, Add</i>	20.44	
	<i>For Stainless Steel, Add</i>	81.74	
04 05 19 13-0022	CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	124.34	
	<i>For Hot-Dipped Galvanized, Add</i>	27.77	
	<i>For Stainless Steel, Add</i>	111.08	
04 05 19 13-0023	CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	161.51	
	<i>For Hot-Dipped Galvanized, Add</i>	44.31	
	<i>For Stainless Steel, Add</i>	177.22	
<b>04 05 19 13-0024</b>	<b>Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0025	CLF #4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	86.07	
	<i>For Hot-Dipped Galvanized, Add</i>	23.01	
	<i>For Stainless Steel, Add</i>	92.04	
04 05 19 13-0026	CLF #6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	91.69	
	<i>For Hot-Dipped Galvanized, Add</i>	24.28	
	<i>For Stainless Steel, Add</i>	97.10	
04 05 19 13-0027	CLF #8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	97.29	
	<i>For Hot-Dipped Galvanized, Add</i>	25.54	
	<i>For Stainless Steel, Add</i>	102.14	
04 05 19 13-0028	CLF #10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	105.46	
	<i>For Hot-Dipped Galvanized, Add</i>	27.06	
	<i>For Stainless Steel, Add</i>	108.22	
04 05 19 13-0029	CLF #12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	113.60	
	<i>For Hot-Dipped Galvanized, Add</i>	28.56	
	<i>For Stainless Steel, Add</i>	114.22	
04 05 19 13-0030	CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	120.34	
	<i>For Hot-Dipped Galvanized, Add</i>	29.36	
	<i>For Stainless Steel, Add</i>	117.44	
04 05 19 13-0031	CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	124.29	
	<i>For Hot-Dipped Galvanized, Add</i>	30.05	
	<i>For Stainless Steel, Add</i>	120.20	
04 05 19 13-0032	CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	131.68	
	<i>For Hot-Dipped Galvanized, Add</i>	31.44	
	<i>For Stainless Steel, Add</i>	125.74	
04 05 19 13-0033	CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	177.36	
	<i>For Hot-Dipped Galvanized, Add</i>	52.22	
	<i>For Stainless Steel, Add</i>	208.88	
<b>04 05 19 13-0034</b>	<b>Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0035	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	90.14	
	<i>For Hot-Dipped Galvanized, Add</i>	25.05	
	<i>For Stainless Steel, Add</i>	100.18	
04 05 19 13-0036	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	93.97	
	<i>For Hot-Dipped Galvanized, Add</i>	25.59	
	<i>For Stainless Steel, Add</i>	102.36	
04 05 19 13-0037	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	99.11	
	<i>For Hot-Dipped Galvanized, Add</i>	26.22	
	<i>For Stainless Steel, Add</i>	104.86	
04 05 19 13-0038	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	105.19	
	<i>For Hot-Dipped Galvanized, Add</i>	26.92	
	<i>For Stainless Steel, Add</i>	107.68	
04 05 19 13-0039	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	112.28	
	<i>For Hot-Dipped Galvanized, Add</i>	27.61	
	<i>For Stainless Steel, Add</i>	110.44	
04 05 19 13-0040	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	117.51	
	<i>For Hot-Dipped Galvanized, Add</i>	27.95	
	<i>For Stainless Steel, Add</i>	111.78	
04 05 19 13-0041	CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	121.35	
	<i>For Hot-Dipped Galvanized, Add</i>	28.33	
	<i>For Stainless Steel, Add</i>	113.32	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0042	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	136.19	
		<i>For Hot-Dipped Galvanized, Add</i>	33.69	
		<i>For Stainless Steel, Add</i>	134.76	
<b>04 05 19 13-0043 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)</b>				
04 05 19 13-0044	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	102.33	
		<i>For Hot-Dipped Galvanized, Add</i>	31.14	
		<i>For Stainless Steel, Add</i>	124.56	
04 05 19 13-0045	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	106.32	
		<i>For Hot-Dipped Galvanized, Add</i>	31.77	
		<i>For Stainless Steel, Add</i>	127.06	
04 05 19 13-0046	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	111.59	
		<i>For Hot-Dipped Galvanized, Add</i>	32.46	
		<i>For Stainless Steel, Add</i>	129.82	
04 05 19 13-0047	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	117.54	
		<i>For Hot-Dipped Galvanized, Add</i>	33.10	
		<i>For Stainless Steel, Add</i>	132.38	
04 05 19 13-0048	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	124.60	
		<i>For Hot-Dipped Galvanized, Add</i>	33.77	
		<i>For Stainless Steel, Add</i>	135.08	
04 05 19 13-0049	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	129.88	
		<i>For Hot-Dipped Galvanized, Add</i>	34.14	
		<i>For Stainless Steel, Add</i>	136.56	
04 05 19 13-0050	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	133.65	
		<i>For Hot-Dipped Galvanized, Add</i>	34.48	
		<i>For Stainless Steel, Add</i>	137.90	
04 05 19 13-0051	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	152.42	
		<i>For Hot-Dipped Galvanized, Add</i>	41.81	
		<i>For Stainless Steel, Add</i>	167.24	
04 05 19 13-0052	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	189.60	
		<i>For Hot-Dipped Galvanized, Add</i>	58.35	
		<i>For Stainless Steel, Add</i>	233.40	
<b>04 05 19 13-0053 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)</b>				
04 05 19 13-0054	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	114.14	
		<i>For Hot-Dipped Galvanized, Add</i>	37.05	
		<i>For Stainless Steel, Add</i>	148.18	
04 05 19 13-0055	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	119.76	
		<i>For Hot-Dipped Galvanized, Add</i>	38.31	
		<i>For Stainless Steel, Add</i>	153.24	
04 05 19 13-0056	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	125.38	
		<i>For Hot-Dipped Galvanized, Add</i>	39.58	
		<i>For Stainless Steel, Add</i>	158.32	
04 05 19 13-0057	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	133.52	
		<i>For Hot-Dipped Galvanized, Add</i>	41.09	
		<i>For Stainless Steel, Add</i>	164.34	
04 05 19 13-0058	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	141.68	
		<i>For Hot-Dipped Galvanized, Add</i>	42.60	
		<i>For Stainless Steel, Add</i>	170.38	
04 05 19 13-0059	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	148.41	
		<i>For Hot-Dipped Galvanized, Add</i>	43.40	
		<i>For Stainless Steel, Add</i>	173.58	
04 05 19 13-0060	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	152.36	
		<i>For Hot-Dipped Galvanized, Add</i>	44.09	
		<i>For Stainless Steel, Add</i>	176.34	
04 05 19 13-0061	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	159.74	
		<i>For Hot-Dipped Galvanized, Add</i>	45.47	
		<i>For Stainless Steel, Add</i>	181.86	
04 05 19 13-0062	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	205.44	
		<i>For Hot-Dipped Galvanized, Add</i>	66.26	
		<i>For Stainless Steel, Add</i>	265.04	
<b>04 05 19 13-0063 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)</b>				

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0064	CLF	#4	(For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	118.21	
			<i>For Hot-Dipped Galvanized, Add</i>	39.08	
			<i>For Stainless Steel, Add</i>	156.32	
04 05 19 13-0065	CLF	#6	(For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	122.04	
			<i>For Hot-Dipped Galvanized, Add</i>	39.63	
			<i>For Stainless Steel, Add</i>	158.50	
04 05 19 13-0066	CLF	#8	(For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	127.18	
			<i>For Hot-Dipped Galvanized, Add</i>	40.25	
			<i>For Stainless Steel, Add</i>	161.00	
04 05 19 13-0067	CLF	#10	(For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	133.27	
			<i>For Hot-Dipped Galvanized, Add</i>	40.96	
			<i>For Stainless Steel, Add</i>	163.84	
04 05 19 13-0068	CLF	#12	(For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	140.36	
			<i>For Hot-Dipped Galvanized, Add</i>	41.65	
			<i>For Stainless Steel, Add</i>	166.60	
04 05 19 13-0069	CLF	#13	(For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	145.59	
			<i>For Hot-Dipped Galvanized, Add</i>	41.99	
			<i>For Stainless Steel, Add</i>	167.94	
04 05 19 13-0070	CLF	#14	(For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	149.43	
			<i>For Hot-Dipped Galvanized, Add</i>	42.37	
			<i>For Stainless Steel, Add</i>	169.48	
04 05 19 13-0071	CLF	#16	(For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	164.27	
			<i>For Hot-Dipped Galvanized, Add</i>	47.73	
			<i>For Stainless Steel, Add</i>	190.92	
04 05 19 13-0072	CLF	#18	(For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	189.83	
			<i>For Hot-Dipped Galvanized, Add</i>	58.46	
			<i>For Stainless Steel, Add</i>	233.84	
<b>04 05 19 13-0073</b>			<b>Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0074	CLF	#4	(For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	130.40	
			<i>For Hot-Dipped Galvanized, Add</i>	45.18	
			<i>For Stainless Steel, Add</i>	180.70	
04 05 19 13-0075	CLF	#6	(For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	134.40	
			<i>For Hot-Dipped Galvanized, Add</i>	45.81	
			<i>For Stainless Steel, Add</i>	183.22	
04 05 19 13-0076	CLF	#8	(For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	139.67	
			<i>For Hot-Dipped Galvanized, Add</i>	46.50	
			<i>For Stainless Steel, Add</i>	185.98	
04 05 19 13-0077	CLF	#10	(For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	145.62	
			<i>For Hot-Dipped Galvanized, Add</i>	47.14	
			<i>For Stainless Steel, Add</i>	188.54	
04 05 19 13-0078	CLF	#12	(For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	152.68	
			<i>For Hot-Dipped Galvanized, Add</i>	47.81	
			<i>For Stainless Steel, Add</i>	191.24	
04 05 19 13-0079	CLF	#13	(For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	157.95	
			<i>For Hot-Dipped Galvanized, Add</i>	48.18	
			<i>For Stainless Steel, Add</i>	192.70	
04 05 19 13-0080	CLF	#14	(For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	161.73	
			<i>For Hot-Dipped Galvanized, Add</i>	48.52	
			<i>For Stainless Steel, Add</i>	194.06	
04 05 19 13-0081	CLF	#16	(For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	180.49	
			<i>For Hot-Dipped Galvanized, Add</i>	55.85	
			<i>For Stainless Steel, Add</i>	223.38	
04 05 19 13-0082	CLF	#18	(For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	217.67	
			<i>For Hot-Dipped Galvanized, Add</i>	72.39	
			<i>For Stainless Steel, Add</i>	289.54	
<b>04 05 19 13-0083</b>			<b>Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0084	CLF	#4	(For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	142.21	
			<i>For Hot-Dipped Galvanized, Add</i>	51.08	
			<i>For Stainless Steel, Add</i>	204.32	
04 05 19 13-0085	CLF	#6	(For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	147.84	
			<i>For Hot-Dipped Galvanized, Add</i>	52.35	
			<i>For Stainless Steel, Add</i>	209.40	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0086	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement		153.45	
	<i>For Hot-Dipped Galvanized, Add</i>		53.62	
	<i>For Stainless Steel, Add</i>		214.46	
04 05 19 13-0087	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement		161.60	
	<i>For Hot-Dipped Galvanized, Add</i>		55.13	
	<i>For Stainless Steel, Add</i>		220.50	
04 05 19 13-0088	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement		169.75	
	<i>For Hot-Dipped Galvanized, Add</i>		56.63	
	<i>For Stainless Steel, Add</i>		226.52	
04 05 19 13-0089	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement		176.49	
	<i>For Hot-Dipped Galvanized, Add</i>		57.44	
	<i>For Stainless Steel, Add</i>		229.74	
04 05 19 13-0090	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement		180.44	
	<i>For Hot-Dipped Galvanized, Add</i>		58.13	
	<i>For Stainless Steel, Add</i>		232.50	
04 05 19 13-0091	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement		187.82	
	<i>For Hot-Dipped Galvanized, Add</i>		59.51	
	<i>For Stainless Steel, Add</i>		238.02	
04 05 19 13-0092	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement		233.51	
	<i>For Hot-Dipped Galvanized, Add</i>		80.30	
	<i>For Stainless Steel, Add</i>		321.18	

**04 05 19 13-0093 Ladder-Type With Tabs, Masonry Wall Reinforcement** (04 05 19 13-0002)

**04 05 19 13-0094 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement** (04 05 19 13-0093)

04 05 19 13-0095	CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		89.40	
	<i>For Hot-Dipped Galvanized, Add</i>		18.70	
	<i>For Stainless Steel, Add</i>		74.80	
04 05 19 13-0096	CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		98.60	
	<i>For Hot-Dipped Galvanized, Add</i>		20.42	
	<i>For Stainless Steel, Add</i>		81.66	
04 05 19 13-0097	CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		107.41	
	<i>For Hot-Dipped Galvanized, Add</i>		21.93	
	<i>For Stainless Steel, Add</i>		87.72	
04 05 19 13-0098	CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		114.94	
	<i>For Hot-Dipped Galvanized, Add</i>		22.81	
	<i>For Stainless Steel, Add</i>		91.24	
04 05 19 13-0099	CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		119.45	
	<i>For Hot-Dipped Galvanized, Add</i>		23.62	
	<i>For Stainless Steel, Add</i>		94.46	
04 05 19 13-0100	CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		128.25	
	<i>For Hot-Dipped Galvanized, Add</i>		25.42	
	<i>For Stainless Steel, Add</i>		101.68	
04 05 19 13-0101	CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		135.83	
	<i>For Hot-Dipped Galvanized, Add</i>		26.90	
	<i>For Stainless Steel, Add</i>		107.60	

**04 05 19 13-0102 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement** (04 05 19 13-0093)

04 05 19 13-0103	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		104.59	
	<i>For Hot-Dipped Galvanized, Add</i>		26.30	
	<i>For Stainless Steel, Add</i>		105.18	
04 05 19 13-0104	CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		113.83	
	<i>For Hot-Dipped Galvanized, Add</i>		28.03	
	<i>For Stainless Steel, Add</i>		112.12	
04 05 19 13-0105	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		122.47	
	<i>For Hot-Dipped Galvanized, Add</i>		29.46	
	<i>For Stainless Steel, Add</i>		117.84	
04 05 19 13-0106	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		130.16	
	<i>For Hot-Dipped Galvanized, Add</i>		30.42	
	<i>For Stainless Steel, Add</i>		121.68	
04 05 19 13-0107	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		134.65	
	<i>For Hot-Dipped Galvanized, Add</i>		31.22	
	<i>For Stainless Steel, Add</i>		124.86	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0108	CLF		#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	143.44	
			<i>For Hot-Dipped Galvanized, Add</i>	33.02	
			<i>For Stainless Steel, Add</i>	132.06	
04 05 19 13-0109	CLF		#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	151.23	
			<i>For Hot-Dipped Galvanized, Add</i>	34.60	
			<i>For Stainless Steel, Add</i>	138.40	
<b>04 05 19 13-0110</b>			<b>3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0093)</small>		
04 05 19 13-0111	CLF		#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	111.97	
			<i>For Hot-Dipped Galvanized, Add</i>	29.99	
			<i>For Stainless Steel, Add</i>	119.94	
04 05 19 13-0112	CLF		#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	122.96	
			<i>For Hot-Dipped Galvanized, Add</i>	32.60	
			<i>For Stainless Steel, Add</i>	130.38	
04 05 19 13-0113	CLF		#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	133.86	
			<i>For Hot-Dipped Galvanized, Add</i>	35.16	
			<i>For Stainless Steel, Add</i>	140.62	
04 05 19 13-0114	CLF		#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	142.36	
			<i>For Hot-Dipped Galvanized, Add</i>	36.52	
			<i>For Stainless Steel, Add</i>	146.08	
04 05 19 13-0115	CLF		#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	147.75	
			<i>For Hot-Dipped Galvanized, Add</i>	37.77	
			<i>For Stainless Steel, Add</i>	151.06	
04 05 19 13-0116	CLF		#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	158.27	
			<i>For Hot-Dipped Galvanized, Add</i>	40.43	
			<i>For Stainless Steel, Add</i>	161.72	
04 05 19 13-0117	CLF		#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	168.11	
			<i>For Hot-Dipped Galvanized, Add</i>	43.04	
			<i>For Stainless Steel, Add</i>	172.16	
<b>04 05 19 13-0118</b>			<b>Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0002)</small>		
<b>04 05 19 13-0119</b>			<b>9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0118)</small>		
04 05 19 13-0120	CLF		#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	130.30	
			<i>For Hot-Dipped Galvanized, Add</i>	39.15	
			<i>For Stainless Steel, Add</i>	156.60	
04 05 19 13-0121	CLF		#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	138.46	
			<i>For Hot-Dipped Galvanized, Add</i>	40.35	
			<i>For Stainless Steel, Add</i>	161.38	
04 05 19 13-0122	CLF		#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	146.66	
			<i>For Hot-Dipped Galvanized, Add</i>	41.56	
			<i>For Stainless Steel, Add</i>	166.22	
04 05 19 13-0123	CLF		#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	158.03	
			<i>For Hot-Dipped Galvanized, Add</i>	42.91	
			<i>For Stainless Steel, Add</i>	171.62	
04 05 19 13-0124	CLF		#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	165.91	
			<i>For Hot-Dipped Galvanized, Add</i>	44.25	
			<i>For Stainless Steel, Add</i>	177.00	
04 05 19 13-0125	CLF		#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	174.64	
			<i>For Hot-Dipped Galvanized, Add</i>	46.31	
			<i>For Stainless Steel, Add</i>	185.22	
<b>04 05 19 13-0126</b>			<b>3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0118)</small>		
04 05 19 13-0127	CLF		#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	154.12	
			<i>For Hot-Dipped Galvanized, Add</i>	51.06	
			<i>For Stainless Steel, Add</i>	204.24	
04 05 19 13-0128	CLF		#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	162.31	
			<i>For Hot-Dipped Galvanized, Add</i>	52.27	
			<i>For Stainless Steel, Add</i>	209.08	
04 05 19 13-0129	CLF		#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	170.82	
			<i>For Hot-Dipped Galvanized, Add</i>	53.64	
			<i>For Stainless Steel, Add</i>	214.54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0130 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	181.88	
<i>For Hot-Dipped Galvanized, Add</i>	54.83	
<i>For Stainless Steel, Add</i>	219.32	
04 05 19 13-0131 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	189.80	
<i>For Hot-Dipped Galvanized, Add</i>	56.20	
<i>For Stainless Steel, Add</i>	224.78	
04 05 19 13-0132 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	197.15	
<i>For Hot-Dipped Galvanized, Add</i>	57.56	
<i>For Stainless Steel, Add</i>	230.24	
<b>04 05 19 13-0133 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0118)</b>		
04 05 19 13-0134 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	155.87	
<i>For Hot-Dipped Galvanized, Add</i>	51.94	
<i>For Stainless Steel, Add</i>	207.74	
04 05 19 13-0135 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	165.38	
<i>For Hot-Dipped Galvanized, Add</i>	53.81	
<i>For Stainless Steel, Add</i>	215.22	
04 05 19 13-0136 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	174.86	
<i>For Hot-Dipped Galvanized, Add</i>	55.66	
<i>For Stainless Steel, Add</i>	222.62	
04 05 19 13-0137 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	188.01	
<i>For Hot-Dipped Galvanized, Add</i>	57.90	
<i>For Stainless Steel, Add</i>	231.58	
04 05 19 13-0138 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	197.65	
<i>For Hot-Dipped Galvanized, Add</i>	60.12	
<i>For Stainless Steel, Add</i>	240.48	
04 05 19 13-0139 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	206.68	
<i>For Hot-Dipped Galvanized, Add</i>	62.33	
<i>For Stainless Steel, Add</i>	249.30	
<b>04 05 19 13-0140 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0002)</b>		
<b>04 05 19 13-0141 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0140)</b>		
04 05 19 13-0142 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	140.51	
<i>For Hot-Dipped Galvanized, Add</i>	41.37	
<i>For Stainless Steel, Add</i>	165.48	
04 05 19 13-0143 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	148.65	
<i>For Hot-Dipped Galvanized, Add</i>	42.55	
<i>For Stainless Steel, Add</i>	170.20	
04 05 19 13-0144 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	159.68	
<i>For Hot-Dipped Galvanized, Add</i>	43.73	
<i>For Stainless Steel, Add</i>	174.92	
04 05 19 13-0145 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	167.67	
<i>For Hot-Dipped Galvanized, Add</i>	45.13	
<i>For Stainless Steel, Add</i>	180.52	
04 05 19 13-0146 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	174.98	
<i>For Hot-Dipped Galvanized, Add</i>	46.48	
<i>For Stainless Steel, Add</i>	185.90	
04 05 19 13-0147 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	183.63	
<i>For Hot-Dipped Galvanized, Add</i>	49.19	
<i>For Stainless Steel, Add</i>	196.76	
<b>04 05 19 13-0148 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0140)</b>		
04 05 19 13-0149 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	164.37	
<i>For Hot-Dipped Galvanized, Add</i>	53.30	
<i>For Stainless Steel, Add</i>	213.20	
04 05 19 13-0150 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	172.54	
<i>For Hot-Dipped Galvanized, Add</i>	54.50	
<i>For Stainless Steel, Add</i>	217.98	
04 05 19 13-0151 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	183.90	
<i>For Hot-Dipped Galvanized, Add</i>	55.84	
<i>For Stainless Steel, Add</i>	223.36	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0152	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	191.49	
			<i>For Hot-Dipped Galvanized, Add</i>	57.04	
			<i>For Stainless Steel, Add</i>	228.16	
04 05 19 13-0153	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	198.83	
			<i>For Hot-Dipped Galvanized, Add</i>	58.40	
			<i>For Stainless Steel, Add</i>	233.60	
04 05 19 13-0154	CLF	#20	(For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	207.78	
			<i>For Hot-Dipped Galvanized, Add</i>	61.27	
			<i>For Stainless Steel, Add</i>	245.06	
04 05 19 13-0155			<b>3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0140)</small>		
04 05 19 13-0156	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	166.05	
			<i>For Hot-Dipped Galvanized, Add</i>	54.14	
			<i>For Stainless Steel, Add</i>	216.56	
04 05 19 13-0157	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	175.57	
			<i>For Hot-Dipped Galvanized, Add</i>	56.01	
			<i>For Stainless Steel, Add</i>	224.04	
04 05 19 13-0158	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	188.01	
			<i>For Hot-Dipped Galvanized, Add</i>	57.90	
			<i>For Stainless Steel, Add</i>	231.58	
04 05 19 13-0159	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	197.65	
			<i>For Hot-Dipped Galvanized, Add</i>	60.12	
			<i>For Stainless Steel, Add</i>	240.48	
04 05 19 13-0160	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	206.68	
			<i>For Hot-Dipped Galvanized, Add</i>	62.33	
			<i>For Stainless Steel, Add</i>	249.30	
04 05 19 13-0161	CLF	#20	(For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	216.24	
			<i>For Hot-Dipped Galvanized, Add</i>	65.50	
			<i>For Stainless Steel, Add</i>	261.98	
04 05 19 13-0162			<b>Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0002)</small>		
04 05 19 13-0163			<b>9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0162)</small>		
04 05 19 13-0164	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement .....	132.66	
			<i>For Hot-Dipped Galvanized, Add</i>	37.45	
			<i>For Stainless Steel, Add</i>	149.78	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0165	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement .....	140.40	
			<i>For Hot-Dipped Galvanized, Add</i>	38.43	
			<i>For Stainless Steel, Add</i>	153.70	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0166	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement .....	151.16	
			<i>For Hot-Dipped Galvanized, Add</i>	39.47	
			<i>For Stainless Steel, Add</i>	157.88	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0167	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement .....	158.57	
			<i>For Hot-Dipped Galvanized, Add</i>	40.58	
			<i>For Stainless Steel, Add</i>	162.32	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0168	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement .....	165.51	
			<i>For Hot-Dipped Galvanized, Add</i>	41.74	
			<i>For Stainless Steel, Add</i>	166.96	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0169	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement .....	170.82	
			<i>For Hot-Dipped Galvanized, Add</i>	42.79	
			<i>For Stainless Steel, Add</i>	171.14	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0170			<b>3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0162)</small>		
04 05 19 13-0171	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement .....	155.03	
			<i>For Hot-Dipped Galvanized, Add</i>	48.63	
			<i>For Stainless Steel, Add</i>	194.52	
			<i>For Seismic Hook And Eye, Add</i>	27.50	



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0172	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	162.33	
		<i>For Hot-Dipped Galvanized, Add</i>	49.39	
		<i>For Stainless Steel, Add</i>	197.56	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0173	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	173.16	
		<i>For Hot-Dipped Galvanized, Add</i>	50.47	
		<i>For Stainless Steel, Add</i>	201.88	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0174	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	180.43	
		<i>For Hot-Dipped Galvanized, Add</i>	51.51	
		<i>For Stainless Steel, Add</i>	206.04	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0175	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	187.14	
		<i>For Hot-Dipped Galvanized, Add</i>	52.56	
		<i>For Stainless Steel, Add</i>	210.22	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0176	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	194.88	
		<i>For Hot-Dipped Galvanized, Add</i>	54.82	
		<i>For Stainless Steel, Add</i>	219.26	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0177	<b>3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0162)</small>			
04 05 19 13-0178	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	156.68	
		<i>For Hot-Dipped Galvanized, Add</i>	49.46	
		<i>For Stainless Steel, Add</i>	197.82	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0179	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	166.04	
		<i>For Hot-Dipped Galvanized, Add</i>	51.25	
		<i>For Stainless Steel, Add</i>	204.98	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0180	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	178.24	
		<i>For Hot-Dipped Galvanized, Add</i>	53.01	
		<i>For Stainless Steel, Add</i>	212.04	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0181	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	187.68	
		<i>For Hot-Dipped Galvanized, Add</i>	55.14	
		<i>For Stainless Steel, Add</i>	220.54	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0182	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	196.54	
		<i>For Hot-Dipped Galvanized, Add</i>	57.26	
		<i>For Stainless Steel, Add</i>	229.02	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0183	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	203.97	
		<i>For Hot-Dipped Galvanized, Add</i>	59.36	
		<i>For Stainless Steel, Add</i>	237.44	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0184	<b>Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0002)</small>			
04 05 19 13-0185	<b>9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0184)</small>			
04 05 19 13-0186	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	142.89	
		<i>For Hot-Dipped Galvanized, Add</i>	39.67	
		<i>For Stainless Steel, Add</i>	158.68	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0187	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	153.48	
		<i>For Hot-Dipped Galvanized, Add</i>	40.63	
		<i>For Stainless Steel, Add</i>	162.52	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0188	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	160.59	
		<i>For Hot-Dipped Galvanized, Add</i>	41.59	
		<i>For Stainless Steel, Add</i>	166.36	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0189	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	167.67	
		<i>For Hot-Dipped Galvanized, Add</i>	42.82	
		<i>For Stainless Steel, Add</i>	171.28	
		<i>For Seismic Hook And Eye, Add</i>	27.50	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0190	CLF		#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	173.11	
			<i>For Hot-Dipped Galvanized, Add</i>	43.93	
			<i>For Stainless Steel, Add</i>	175.72	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
<b>04 05 19 13-0191</b>			<b>3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0184)</small>		
04 05 19 13-0192	CLF		#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	164.45	
			<i>For Hot-Dipped Galvanized, Add</i>	50.45	
			<i>For Stainless Steel, Add</i>	201.80	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0193	CLF		#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	175.21	
			<i>For Hot-Dipped Galvanized, Add</i>	51.50	
			<i>For Stainless Steel, Add</i>	205.98	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0194	CLF		#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	182.62	
			<i>For Hot-Dipped Galvanized, Add</i>	52.61	
			<i>For Stainless Steel, Add</i>	210.42	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0195	CLF		#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	189.03	
			<i>For Hot-Dipped Galvanized, Add</i>	53.50	
			<i>For Stainless Steel, Add</i>	214.00	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0196	CLF		#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	194.68	
			<i>For Hot-Dipped Galvanized, Add</i>	54.72	
			<i>For Stainless Steel, Add</i>	218.86	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
<b>04 05 19 13-0197</b>			<b>3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0184)</small>		
04 05 19 13-0198	CLF		#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	166.68	
			<i>For Hot-Dipped Galvanized, Add</i>	51.57	
			<i>For Stainless Steel, Add</i>	206.26	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0199	CLF		#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	178.92	
			<i>For Hot-Dipped Galvanized, Add</i>	53.35	
			<i>For Stainless Steel, Add</i>	213.40	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0200	CLF		#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	187.68	
			<i>For Hot-Dipped Galvanized, Add</i>	55.14	
			<i>For Stainless Steel, Add</i>	220.54	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0201	CLF		#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	196.54	
			<i>For Hot-Dipped Galvanized, Add</i>	57.26	
			<i>For Stainless Steel, Add</i>	229.02	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0202	CLF		#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	203.97	
			<i>For Hot-Dipped Galvanized, Add</i>	59.36	
			<i>For Stainless Steel, Add</i>	237.44	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0203			<b>Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0001)</small>		
04 05 19 13-0204			<b>Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0203)</small>		
<b>04 05 19 13-0205</b>			<b>Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0206	CLF		#4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	71.25	
			<i>For Hot-Dipped Galvanized, Add</i>	15.60	
			<i>For Stainless Steel, Add</i>	62.40	
04 05 19 13-0207	CLF		#6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	74.32	
			<i>For Hot-Dipped Galvanized, Add</i>	15.77	
			<i>For Stainless Steel, Add</i>	63.06	
04 05 19 13-0208	CLF		#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	79.46	
			<i>For Hot-Dipped Galvanized, Add</i>	16.39	
			<i>For Stainless Steel, Add</i>	65.56	
04 05 19 13-0209	CLF		#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	85.75	
			<i>For Hot-Dipped Galvanized, Add</i>	17.20	
			<i>For Stainless Steel, Add</i>	68.80	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0210 CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	93.28	
For Hot-Dipped Galvanized, Add	18.11	
For Stainless Steel, Add	72.44	
04 05 19 13-0211 CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	98.81	
For Hot-Dipped Galvanized, Add	18.60	
For Stainless Steel, Add	74.38	
04 05 19 13-0212 CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	102.80	
For Hot-Dipped Galvanized, Add	19.31	
For Stainless Steel, Add	77.22	
04 05 19 13-0213 CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	123.04	
For Hot-Dipped Galvanized, Add	27.12	
For Stainless Steel, Add	108.48	
04 05 19 13-0214 CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	130.24	
For Hot-Dipped Galvanized, Add	28.67	
For Stainless Steel, Add	114.68	
04 05 19 13-0215 CLF #20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	177.23	
For Hot-Dipped Galvanized, Add	49.59	
For Stainless Steel, Add	198.36	
 <b>04 05 19 13-0216 Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0217 CLF #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	83.31	
For Hot-Dipped Galvanized, Add	21.63	
For Stainless Steel, Add	86.52	
04 05 19 13-0218 CLF #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	86.65	
For Hot-Dipped Galvanized, Add	21.93	
For Stainless Steel, Add	87.72	
04 05 19 13-0219 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	91.79	
For Hot-Dipped Galvanized, Add	22.56	
For Stainless Steel, Add	90.22	
04 05 19 13-0220 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	98.04	
For Hot-Dipped Galvanized, Add	23.35	
For Stainless Steel, Add	93.38	
04 05 19 13-0221 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	105.41	
For Hot-Dipped Galvanized, Add	24.18	
For Stainless Steel, Add	96.70	
04 05 19 13-0222 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	111.09	
For Hot-Dipped Galvanized, Add	24.75	
For Stainless Steel, Add	98.98	
04 05 19 13-0223 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	114.89	
For Hot-Dipped Galvanized, Add	25.35	
For Stainless Steel, Add	101.40	
04 05 19 13-0224 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	139.28	
For Hot-Dipped Galvanized, Add	35.24	
For Stainless Steel, Add	140.96	
04 05 19 13-0225 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	146.48	
For Hot-Dipped Galvanized, Add	36.79	
For Stainless Steel, Add	147.16	
04 05 19 13-0226 CLF #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	211.91	
For Hot-Dipped Galvanized, Add	69.51	
For Stainless Steel, Add	278.02	
 <b>04 05 19 13-0227 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0228 CLF #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	101.77	
For Hot-Dipped Galvanized, Add	30.86	
For Stainless Steel, Add	123.44	
04 05 19 13-0229 CLF #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	105.64	
For Hot-Dipped Galvanized, Add	31.25	
For Stainless Steel, Add	125.00	
04 05 19 13-0230 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	111.01	
For Hot-Dipped Galvanized, Add	32.40	
For Stainless Steel, Add	129.58	
04 05 19 13-0231 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	119.27	
For Hot-Dipped Galvanized, Add	33.96	
For Stainless Steel, Add	135.84	
04 05 19 13-0232 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	128.32	
For Hot-Dipped Galvanized, Add	35.92	
For Stainless Steel, Add	143.66	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0233	CLF		#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	135.23	
			<i>For Hot-Dipped Galvanized, Add</i>	36.81	
			<i>For Stainless Steel, Add</i>	147.22	
04 05 19 13-0234	CLF		#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	140.46	
			<i>For Hot-Dipped Galvanized, Add</i>	38.14	
			<i>For Stainless Steel, Add</i>	152.54	
04 05 19 13-0235	CLF		#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	175.88	
			<i>For Hot-Dipped Galvanized, Add</i>	53.54	
			<i>For Stainless Steel, Add</i>	214.14	
04 05 19 13-0236	CLF		#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	186.05	
			<i>For Hot-Dipped Galvanized, Add</i>	56.57	
			<i>For Stainless Steel, Add</i>	226.26	
04 05 19 13-0237	CLF		#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	273.66	
			<i>For Hot-Dipped Galvanized, Add</i>	97.81	
			<i>For Stainless Steel, Add</i>	391.22	
04 05 19 13-0238			<b>Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0239	CLF		#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	90.14	
			<i>For Hot-Dipped Galvanized, Add</i>	25.05	
			<i>For Stainless Steel, Add</i>	100.18	
04 05 19 13-0240	CLF		#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	93.97	
			<i>For Hot-Dipped Galvanized, Add</i>	25.59	
			<i>For Stainless Steel, Add</i>	102.36	
04 05 19 13-0241	CLF		#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	99.11	
			<i>For Hot-Dipped Galvanized, Add</i>	26.22	
			<i>For Stainless Steel, Add</i>	104.86	
04 05 19 13-0242	CLF		#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	105.19	
			<i>For Hot-Dipped Galvanized, Add</i>	26.92	
			<i>For Stainless Steel, Add</i>	107.68	
04 05 19 13-0243	CLF		#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	112.28	
			<i>For Hot-Dipped Galvanized, Add</i>	27.61	
			<i>For Stainless Steel, Add</i>	110.44	
04 05 19 13-0244	CLF		#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	117.51	
			<i>For Hot-Dipped Galvanized, Add</i>	27.95	
			<i>For Stainless Steel, Add</i>	111.78	
04 05 19 13-0245	CLF		#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	121.35	
			<i>For Hot-Dipped Galvanized, Add</i>	28.33	
			<i>For Stainless Steel, Add</i>	113.32	
04 05 19 13-0246	CLF		#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	136.19	
			<i>For Hot-Dipped Galvanized, Add</i>	33.69	
			<i>For Stainless Steel, Add</i>	134.76	
04 05 19 13-0247			<b>Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0248	CLF		#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	102.33	
			<i>For Hot-Dipped Galvanized, Add</i>	31.14	
			<i>For Stainless Steel, Add</i>	124.56	
04 05 19 13-0249	CLF		#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	106.32	
			<i>For Hot-Dipped Galvanized, Add</i>	31.77	
			<i>For Stainless Steel, Add</i>	127.06	
04 05 19 13-0250	CLF		#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	111.59	
			<i>For Hot-Dipped Galvanized, Add</i>	32.46	
			<i>For Stainless Steel, Add</i>	129.82	
04 05 19 13-0251	CLF		#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	117.54	
			<i>For Hot-Dipped Galvanized, Add</i>	33.10	
			<i>For Stainless Steel, Add</i>	132.38	
04 05 19 13-0252	CLF		#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	124.60	
			<i>For Hot-Dipped Galvanized, Add</i>	33.77	
			<i>For Stainless Steel, Add</i>	135.08	
04 05 19 13-0253	CLF		#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	129.88	
			<i>For Hot-Dipped Galvanized, Add</i>	34.14	
			<i>For Stainless Steel, Add</i>	136.56	
04 05 19 13-0254	CLF		#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	133.65	
			<i>For Hot-Dipped Galvanized, Add</i>	34.48	
			<i>For Stainless Steel, Add</i>	137.90	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	04 05 19 13-0255	CLF		#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	152.42	
				<i>For Hot-Dipped Galvanized, Add</i>	41.81	
				<i>For Stainless Steel, Add</i>	167.24	
	04 05 19 13-0256	CLF		#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	189.60	
				<i>For Hot-Dipped Galvanized, Add</i>	58.35	
				<i>For Stainless Steel, Add</i>	233.40	
<b>04 05 19 13-0257</b>				<b>Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
	04 05 19 13-0258	CLF		#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	114.14	
				<i>For Hot-Dipped Galvanized, Add</i>	37.05	
				<i>For Stainless Steel, Add</i>	148.18	
	04 05 19 13-0259	CLF		#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	119.76	
				<i>For Hot-Dipped Galvanized, Add</i>	38.31	
				<i>For Stainless Steel, Add</i>	153.24	
	04 05 19 13-0260	CLF		#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	125.38	
				<i>For Hot-Dipped Galvanized, Add</i>	39.58	
				<i>For Stainless Steel, Add</i>	158.32	
	04 05 19 13-0261	CLF		#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	133.52	
				<i>For Hot-Dipped Galvanized, Add</i>	41.09	
				<i>For Stainless Steel, Add</i>	164.34	
	04 05 19 13-0262	CLF		#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	141.68	
				<i>For Hot-Dipped Galvanized, Add</i>	42.60	
				<i>For Stainless Steel, Add</i>	170.38	
	04 05 19 13-0263	CLF		#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	148.41	
				<i>For Hot-Dipped Galvanized, Add</i>	43.40	
				<i>For Stainless Steel, Add</i>	173.58	
	04 05 19 13-0264	CLF		#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	152.36	
				<i>For Hot-Dipped Galvanized, Add</i>	44.09	
				<i>For Stainless Steel, Add</i>	176.34	
	04 05 19 13-0265	CLF		#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	159.74	
				<i>For Hot-Dipped Galvanized, Add</i>	45.47	
				<i>For Stainless Steel, Add</i>	181.86	
	04 05 19 13-0266	CLF		#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	205.44	
				<i>For Hot-Dipped Galvanized, Add</i>	66.26	
				<i>For Stainless Steel, Add</i>	265.04	
<b>04 05 19 13-0267</b>				<b>Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
	04 05 19 13-0268	CLF		#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	118.21	
				<i>For Hot-Dipped Galvanized, Add</i>	39.08	
				<i>For Stainless Steel, Add</i>	156.32	
	04 05 19 13-0269	CLF		#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	122.04	
				<i>For Hot-Dipped Galvanized, Add</i>	39.63	
				<i>For Stainless Steel, Add</i>	158.50	
	04 05 19 13-0270	CLF		#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	127.18	
				<i>For Hot-Dipped Galvanized, Add</i>	40.25	
				<i>For Stainless Steel, Add</i>	161.00	
	04 05 19 13-0271	CLF		#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	133.27	
				<i>For Hot-Dipped Galvanized, Add</i>	40.96	
				<i>For Stainless Steel, Add</i>	163.84	
	04 05 19 13-0272	CLF		#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	140.36	
				<i>For Hot-Dipped Galvanized, Add</i>	41.65	
				<i>For Stainless Steel, Add</i>	166.60	
	04 05 19 13-0273	CLF		#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	145.59	
				<i>For Hot-Dipped Galvanized, Add</i>	41.99	
				<i>For Stainless Steel, Add</i>	167.94	
	04 05 19 13-0274	CLF		#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	149.43	
				<i>For Hot-Dipped Galvanized, Add</i>	42.37	
				<i>For Stainless Steel, Add</i>	169.48	
	04 05 19 13-0275	CLF		#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	164.27	
				<i>For Hot-Dipped Galvanized, Add</i>	47.73	
				<i>For Stainless Steel, Add</i>	190.92	
	04 05 19 13-0276	CLF		#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	189.83	
				<i>For Hot-Dipped Galvanized, Add</i>	58.46	
				<i>For Stainless Steel, Add</i>	233.84	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0277			<b>Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0278	CLF	#4	(For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	130.40	
			<i>For Hot-Dipped Galvanized, Add</i>	45.18	
			<i>For Stainless Steel, Add</i>	180.70	
04 05 19 13-0279	CLF	#6	(For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	134.40	
			<i>For Hot-Dipped Galvanized, Add</i>	45.81	
			<i>For Stainless Steel, Add</i>	183.22	
04 05 19 13-0280	CLF	#8	(For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	139.67	
			<i>For Hot-Dipped Galvanized, Add</i>	46.50	
			<i>For Stainless Steel, Add</i>	185.98	
04 05 19 13-0281	CLF	#10	(For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	145.62	
			<i>For Hot-Dipped Galvanized, Add</i>	47.14	
			<i>For Stainless Steel, Add</i>	188.54	
04 05 19 13-0282	CLF	#12	(For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	152.68	
			<i>For Hot-Dipped Galvanized, Add</i>	47.81	
			<i>For Stainless Steel, Add</i>	191.24	
04 05 19 13-0283	CLF	#13	(For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	157.95	
			<i>For Hot-Dipped Galvanized, Add</i>	48.18	
			<i>For Stainless Steel, Add</i>	192.70	
04 05 19 13-0284	CLF	#14	(For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	161.73	
			<i>For Hot-Dipped Galvanized, Add</i>	48.52	
			<i>For Stainless Steel, Add</i>	194.06	
04 05 19 13-0285	CLF	#16	(For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	180.49	
			<i>For Hot-Dipped Galvanized, Add</i>	55.85	
			<i>For Stainless Steel, Add</i>	223.38	
04 05 19 13-0286	CLF	#18	(For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	217.67	
			<i>For Hot-Dipped Galvanized, Add</i>	72.39	
			<i>For Stainless Steel, Add</i>	289.54	
04 05 19 13-0287			<b>Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0288	CLF	#4	(For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	142.21	
			<i>For Hot-Dipped Galvanized, Add</i>	51.08	
			<i>For Stainless Steel, Add</i>	204.32	
04 05 19 13-0289	CLF	#6	(For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	147.84	
			<i>For Hot-Dipped Galvanized, Add</i>	52.35	
			<i>For Stainless Steel, Add</i>	209.40	
04 05 19 13-0290	CLF	#8	(For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	153.45	
			<i>For Hot-Dipped Galvanized, Add</i>	53.62	
			<i>For Stainless Steel, Add</i>	214.46	
04 05 19 13-0291	CLF	#10	(For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	161.60	
			<i>For Hot-Dipped Galvanized, Add</i>	55.13	
			<i>For Stainless Steel, Add</i>	220.50	
04 05 19 13-0292	CLF	#12	(For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	169.75	
			<i>For Hot-Dipped Galvanized, Add</i>	56.63	
			<i>For Stainless Steel, Add</i>	226.52	
04 05 19 13-0293	CLF	#13	(For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	176.49	
			<i>For Hot-Dipped Galvanized, Add</i>	57.44	
			<i>For Stainless Steel, Add</i>	229.74	
04 05 19 13-0294	CLF	#14	(For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	180.44	
			<i>For Hot-Dipped Galvanized, Add</i>	58.13	
			<i>For Stainless Steel, Add</i>	232.50	
04 05 19 13-0295	CLF	#16	(For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	187.82	
			<i>For Hot-Dipped Galvanized, Add</i>	59.51	
			<i>For Stainless Steel, Add</i>	238.02	
04 05 19 13-0296	CLF	#18	(For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	233.51	
			<i>For Hot-Dipped Galvanized, Add</i>	80.30	
			<i>For Stainless Steel, Add</i>	321.18	
04 05 19 13-0297			<b>Truss-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0203)</small>		
04 05 19 13-0298			<b>9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0297)</small>		
04 05 19 13-0299	CLF	#8	(For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....	100.88	
			<i>For Hot-Dipped Galvanized, Add</i>	24.44	
			<i>For Stainless Steel, Add</i>	97.76	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0300	CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....		109.01	
	<i>For Hot-Dipped Galvanized, Add</i>		25.62	
	<i>For Stainless Steel, Add</i>		102.48	
04 05 19 13-0301	CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....		117.79	
	<i>For Hot-Dipped Galvanized, Add</i>		27.12	
	<i>For Stainless Steel, Add</i>		108.48	
04 05 19 13-0302	CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....		125.62	
	<i>For Hot-Dipped Galvanized, Add</i>		28.15	
	<i>For Stainless Steel, Add</i>		112.60	
04 05 19 13-0303	CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....		130.23	
	<i>For Hot-Dipped Galvanized, Add</i>		29.01	
	<i>For Stainless Steel, Add</i>		116.02	
04 05 19 13-0304	CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....		139.57	
	<i>For Hot-Dipped Galvanized, Add</i>		31.08	
	<i>For Stainless Steel, Add</i>		124.32	
04 05 19 13-0305	CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....		148.33	
	<i>For Hot-Dipped Galvanized, Add</i>		33.15	
	<i>For Stainless Steel, Add</i>		132.60	

**04 05 19 13-0306 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement** (04 05 19 13-0297)

04 05 19 13-0307	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....		116.11	
	<i>For Hot-Dipped Galvanized, Add</i>		32.06	
	<i>For Stainless Steel, Add</i>		128.22	
04 05 19 13-0308	CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....		124.27	
	<i>For Hot-Dipped Galvanized, Add</i>		33.25	
	<i>For Stainless Steel, Add</i>		133.00	
04 05 19 13-0309	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....		132.99	
	<i>For Hot-Dipped Galvanized, Add</i>		34.72	
	<i>For Stainless Steel, Add</i>		138.88	
04 05 19 13-0310	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....		140.84	
	<i>For Hot-Dipped Galvanized, Add</i>		35.76	
	<i>For Stainless Steel, Add</i>		143.04	
04 05 19 13-0311	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....		145.36	
	<i>For Hot-Dipped Galvanized, Add</i>		36.57	
	<i>For Stainless Steel, Add</i>		146.28	
04 05 19 13-0312	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....		154.73	
	<i>For Hot-Dipped Galvanized, Add</i>		38.66	
	<i>For Stainless Steel, Add</i>		154.64	
04 05 19 13-0313	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....		163.56	
	<i>For Hot-Dipped Galvanized, Add</i>		40.77	
	<i>For Stainless Steel, Add</i>		163.06	

**04 05 19 13-0314 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement** (04 05 19 13-0297)

04 05 19 13-0315	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....		130.23	
	<i>For Hot-Dipped Galvanized, Add</i>		39.12	
	<i>For Stainless Steel, Add</i>		156.46	
04 05 19 13-0316	CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....		139.70	
	<i>For Hot-Dipped Galvanized, Add</i>		40.97	
	<i>For Stainless Steel, Add</i>		163.86	
04 05 19 13-0317	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....		150.57	
	<i>For Hot-Dipped Galvanized, Add</i>		43.51	
	<i>For Stainless Steel, Add</i>		174.04	
04 05 19 13-0318	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....		159.10	
	<i>For Hot-Dipped Galvanized, Add</i>		44.89	
	<i>For Stainless Steel, Add</i>		179.56	
04 05 19 13-0319	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....		164.77	
	<i>For Hot-Dipped Galvanized, Add</i>		46.28	
	<i>For Stainless Steel, Add</i>		185.10	
04 05 19 13-0320	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....		176.19	
	<i>For Hot-Dipped Galvanized, Add</i>		49.39	
	<i>For Stainless Steel, Add</i>		197.56	
04 05 19 13-0321	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....		185.96	
	<i>For Hot-Dipped Galvanized, Add</i>		51.97	
	<i>For Stainless Steel, Add</i>		207.86	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0322			Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0323			9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0322)</small>		
04 05 19 13-0324	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	148.35	
			For Hot-Dipped Galvanized, Add	48.18	
			For Stainless Steel, Add	192.70	
04 05 19 13-0325	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	154.80	
			For Hot-Dipped Galvanized, Add	48.52	
			For Stainless Steel, Add	194.06	
04 05 19 13-0326	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	162.94	
			For Hot-Dipped Galvanized, Add	49.70	
			For Stainless Steel, Add	198.78	
04 05 19 13-0327	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	174.74	
			For Hot-Dipped Galvanized, Add	51.26	
			For Stainless Steel, Add	205.04	
04 05 19 13-0328	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	183.64	
			For Hot-Dipped Galvanized, Add	53.12	
			For Stainless Steel, Add	212.46	
04 05 19 13-0329	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	192.77	
			For Hot-Dipped Galvanized, Add	55.37	
			For Stainless Steel, Add	221.48	
04 05 19 13-0330			3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0322)</small>		
04 05 19 13-0331	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	171.90	
			For Hot-Dipped Galvanized, Add	59.95	
			For Stainless Steel, Add	239.80	
04 05 19 13-0332	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	178.68	
			For Hot-Dipped Galvanized, Add	60.46	
			For Stainless Steel, Add	241.82	
04 05 19 13-0333	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	186.82	
			For Hot-Dipped Galvanized, Add	61.64	
			For Stainless Steel, Add	246.54	
04 05 19 13-0334	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	198.56	
			For Hot-Dipped Galvanized, Add	63.17	
			For Stainless Steel, Add	252.68	
04 05 19 13-0335	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	207.15	
			For Hot-Dipped Galvanized, Add	64.87	
			For Stainless Steel, Add	259.48	
04 05 19 13-0336	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	215.21	
			For Hot-Dipped Galvanized, Add	66.59	
			For Stainless Steel, Add	266.36	
04 05 19 13-0337			3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0322)</small>		
04 05 19 13-0338	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	184.81	
			For Hot-Dipped Galvanized, Add	66.41	
			For Stainless Steel, Add	265.62	
04 05 19 13-0339	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	191.59	
			For Hot-Dipped Galvanized, Add	66.91	
			For Stainless Steel, Add	267.64	
04 05 19 13-0340	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	201.07	
			For Hot-Dipped Galvanized, Add	68.76	
			For Stainless Steel, Add	275.04	
04 05 19 13-0341	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	214.60	
			For Hot-Dipped Galvanized, Add	71.19	
			For Stainless Steel, Add	284.76	
04 05 19 13-0342	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	225.92	
			For Hot-Dipped Galvanized, Add	74.26	
			For Stainless Steel, Add	297.02	
04 05 19 13-0343	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	237.34	
			For Hot-Dipped Galvanized, Add	77.66	
			For Stainless Steel, Add	310.62	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0344	Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0345	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0344)</small>		
04 05 19 13-0346	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	158.61	
	For Hot-Dipped Galvanized, Add	50.42	
	For Stainless Steel, Add	201.68	
04 05 19 13-0347	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	165.09	
	For Hot-Dipped Galvanized, Add	50.77	
	For Stainless Steel, Add	203.08	
04 05 19 13-0348	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	176.05	
	For Hot-Dipped Galvanized, Add	51.92	
	For Stainless Steel, Add	207.66	
04 05 19 13-0349	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	184.34	
	For Hot-Dipped Galvanized, Add	53.47	
	For Stainless Steel, Add	213.86	
04 05 19 13-0350	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	192.74	
	For Hot-Dipped Galvanized, Add	55.36	
	For Stainless Steel, Add	221.42	
04 05 19 13-0351	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	199.80	
	For Hot-Dipped Galvanized, Add	57.28	
	For Stainless Steel, Add	229.10	
04 05 19 13-0352	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0344)</small>		
04 05 19 13-0353	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	182.09	
	For Hot-Dipped Galvanized, Add	62.16	
	For Stainless Steel, Add	248.64	
04 05 19 13-0354	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	188.88	
	For Hot-Dipped Galvanized, Add	62.67	
	For Stainless Steel, Add	250.66	
04 05 19 13-0355	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	199.91	
	For Hot-Dipped Galvanized, Add	63.85	
	For Stainless Steel, Add	255.38	
04 05 19 13-0356	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	208.20	
	For Hot-Dipped Galvanized, Add	65.40	
	For Stainless Steel, Add	261.58	
04 05 19 13-0357	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	216.22	
	For Hot-Dipped Galvanized, Add	67.10	
	For Stainless Steel, Add	268.38	
04 05 19 13-0358	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	223.48	
	For Hot-Dipped Galvanized, Add	69.12	
	For Stainless Steel, Add	276.46	
04 05 19 13-0359	3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0344)</small>		
04 05 19 13-0360	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	195.02	
	For Hot-Dipped Galvanized, Add	68.63	
	For Stainless Steel, Add	274.50	
04 05 19 13-0361	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	201.78	
	For Hot-Dipped Galvanized, Add	69.12	
	For Stainless Steel, Add	276.46	
04 05 19 13-0362	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	214.22	
	For Hot-Dipped Galvanized, Add	71.00	
	For Stainless Steel, Add	284.00	
04 05 19 13-0363	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	224.23	
	For Hot-Dipped Galvanized, Add	73.41	
	For Stainless Steel, Add	293.64	
04 05 19 13-0364	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	234.95	
	For Hot-Dipped Galvanized, Add	76.46	
	For Stainless Steel, Add	305.84	
04 05 19 13-0365	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	242.82	
	For Hot-Dipped Galvanized, Add	78.79	
	For Stainless Steel, Add	315.14	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
04 05 19 13-0366	Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0367	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0366)</small>		
04 05 19 13-0368	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	149.54	
	<i>For Hot-Dipped Galvanized, Add</i>	45.89	
	<i>For Stainless Steel, Add</i>	183.54	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0369	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	155.96	
	<i>For Hot-Dipped Galvanized, Add</i>	46.21	
	<i>For Stainless Steel, Add</i>	184.82	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0370	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	166.62	
	<i>For Hot-Dipped Galvanized, Add</i>	47.20	
	<i>For Stainless Steel, Add</i>	188.80	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0371	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	174.67	
	<i>For Hot-Dipped Galvanized, Add</i>	48.63	
	<i>For Stainless Steel, Add</i>	194.52	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0372	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	182.26	
	<i>For Hot-Dipped Galvanized, Add</i>	50.12	
	<i>For Stainless Steel, Add</i>	200.46	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0373	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	189.12	
	<i>For Hot-Dipped Galvanized, Add</i>	51.94	
	<i>For Stainless Steel, Add</i>	207.74	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0374	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0366)</small>		
04 05 19 13-0375	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	171.17	
	<i>For Hot-Dipped Galvanized, Add</i>	56.70	
	<i>For Stainless Steel, Add</i>	226.80	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0376	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	177.83	
	<i>For Hot-Dipped Galvanized, Add</i>	57.14	
	<i>For Stainless Steel, Add</i>	228.56	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0377	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	188.32	
	<i>For Hot-Dipped Galvanized, Add</i>	58.05	
	<i>For Stainless Steel, Add</i>	232.20	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0378	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	196.24	
	<i>For Hot-Dipped Galvanized, Add</i>	59.42	
	<i>For Stainless Steel, Add</i>	237.66	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0379	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	203.79	
	<i>For Hot-Dipped Galvanized, Add</i>	60.88	
	<i>For Stainless Steel, Add</i>	243.52	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0380	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	210.24	
	<i>For Hot-Dipped Galvanized, Add</i>	62.50	
	<i>For Stainless Steel, Add</i>	249.98	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0381	3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0366)</small>		
04 05 19 13-0382	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	184.24	
	<i>For Hot-Dipped Galvanized, Add</i>	63.24	
	<i>For Stainless Steel, Add</i>	252.94	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0383	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	191.00	
	<i>For Hot-Dipped Galvanized, Add</i>	63.73	
	<i>For Stainless Steel, Add</i>	254.90	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0384	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	203.21	
	<i>For Hot-Dipped Galvanized, Add</i>	65.50	
	<i>For Stainless Steel, Add</i>	261.98	
	<i>For Seismic Hook And Eye, Add</i>	27.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0385	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	213.01	
			<i>For Hot-Dipped Galvanized, Add</i>	67.80	
			<i>For Stainless Steel, Add</i>	271.20	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0386	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	223.46	
			<i>For Hot-Dipped Galvanized, Add</i>	70.72	
			<i>For Stainless Steel, Add</i>	282.86	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0387	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	233.15	
			<i>For Hot-Dipped Galvanized, Add</i>	73.95	
			<i>For Stainless Steel, Add</i>	295.80	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
<b>04 05 19 13-0388</b>			<b>Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0203)</small>		
<b>04 05 19 13-0389</b>			<b>9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall</b> <small>(04 05 19 13-0388)</small>		
04 05 19 13-0390	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	159.63	
			<i>For Hot-Dipped Galvanized, Add</i>	48.04	
			<i>For Stainless Steel, Add</i>	192.16	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0391	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	168.98	
			<i>For Hot-Dipped Galvanized, Add</i>	48.38	
			<i>For Stainless Steel, Add</i>	193.52	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0392	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	176.29	
			<i>For Hot-Dipped Galvanized, Add</i>	49.44	
			<i>For Stainless Steel, Add</i>	197.76	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0393	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	183.94	
			<i>For Hot-Dipped Galvanized, Add</i>	50.96	
			<i>For Stainless Steel, Add</i>	203.82	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0394	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	190.67	
			<i>For Hot-Dipped Galvanized, Add</i>	52.71	
			<i>For Stainless Steel, Add</i>	210.84	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
<b>04 05 19 13-0395</b>			<b>3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0388)</small>		
04 05 19 13-0396	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	182.95	
			<i>For Hot-Dipped Galvanized, Add</i>	59.70	
			<i>For Stainless Steel, Add</i>	238.80	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0397	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	192.36	
			<i>For Hot-Dipped Galvanized, Add</i>	60.07	
			<i>For Stainless Steel, Add</i>	240.28	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0398	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	199.60	
			<i>For Hot-Dipped Galvanized, Add</i>	61.10	
			<i>For Stainless Steel, Add</i>	244.38	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0399	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	206.99	
			<i>For Hot-Dipped Galvanized, Add</i>	62.48	
			<i>For Stainless Steel, Add</i>	249.92	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0400	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	213.04	
			<i>For Hot-Dipped Galvanized, Add</i>	63.90	
			<i>For Stainless Steel, Add</i>	255.58	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
<b>04 05 19 13-0401</b>			<b>3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0388)</small>		
04 05 19 13-0402	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	194.27	
			<i>For Hot-Dipped Galvanized, Add</i>	65.36	
			<i>For Stainless Steel, Add</i>	261.44	
			<i>For Seismic Hook And Eye, Add</i>	27.50	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 05 19 13-0403	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	203.88
		For Hot-Dipped Galvanized, Add .....	65.83
		For Stainless Steel, Add .....	263.32
		For Seismic Hook And Eye, Add .....	27.50
04 05 19 13-0404	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	212.64
		For Hot-Dipped Galvanized, Add .....	67.62
		For Stainless Steel, Add .....	270.46
		For Seismic Hook And Eye, Add .....	27.50
04 05 19 13-0405	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	221.84
		For Hot-Dipped Galvanized, Add .....	69.91
		For Stainless Steel, Add .....	279.62
		For Seismic Hook And Eye, Add .....	27.50
04 05 19 13-0406	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	230.89
		For Hot-Dipped Galvanized, Add .....	72.82
		For Stainless Steel, Add .....	291.28
		For Seismic Hook And Eye, Add .....	27.50

**04 05 19 16 Masonry Anchors (04 05 19)****04 05 19 16-0001 Rectangular, Wire Masonry Wall Ties (04 05 19 16)****04 05 19 16-0002 Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)**

04 05 19 16-0003	EA	2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.17
04 05 19 16-0004	EA	2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.22
04 05 19 16-0005	EA	2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.26
04 05 19 16-0006	EA	2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.31
04 05 19 16-0007	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.37
04 05 19 16-0008	EA	4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.26
04 05 19 16-0009	EA	4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.31
04 05 19 16-0010	EA	4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.37
04 05 19 16-0011	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.42

**04 05 19 16-0012 Mill Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)**

04 05 19 16-0013	EA	2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.09
04 05 19 16-0014	EA	2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.11
04 05 19 16-0015	EA	2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.13
04 05 19 16-0016	EA	2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.16
04 05 19 16-0017	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.19
04 05 19 16-0018	EA	4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.13
04 05 19 16-0019	EA	4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.16
04 05 19 16-0020	EA	4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.19
04 05 19 16-0021	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.22

**04 05 19 16-0022 Z-Type, Wire Masonry Wall Ties (04 05 19 16)****04 05 19 16-0023 Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)**

04 05 19 16-0024	EA	6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.09
04 05 19 16-0025	EA	8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.12
04 05 19 16-0026	EA	10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.20
04 05 19 16-0027	EA	12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.24
04 05 19 16-0028	EA	6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.24
04 05 19 16-0029	EA	8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.30
04 05 19 16-0030	EA	10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.36
04 05 19 16-0031	EA	12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.39

**04 05 19 16-0032 Mill Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)**

04 05 19 16-0033	EA	6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.04
04 05 19 16-0034	EA	8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.04
04 05 19 16-0035	EA	10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.11
04 05 19 16-0036	EA	12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.12
04 05 19 16-0037	EA	6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.13
04 05 19 16-0038	EA	8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.16
04 05 19 16-0039	EA	10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.19
04 05 19 16-0040	EA	12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.23

**04 05 19 16-0041 Wire Beam Ties (04 05 19 16)****04 05 19 16-0042 Hot-Dipped Galvanized, Wire Beam Ties (04 05 19 16-0041)**

04 05 19 16-0043	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie .....	1.31
04 05 19 16-0044	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie .....	1.33
04 05 19 16-0045	EA	6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie .....	1.35
04 05 19 16-0046	EA	8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie .....	1.37
04 05 19 16-0047	EA	10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie .....	1.40

**04 05 19 16-0048 Mill Galvanized, Wire Beam Ties (04 05 19 16-0041)**

04 05 19 16-0049	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie .....	1.47
04 05 19 16-0050	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie .....	1.52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0051	EA		6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie .....	1.56	
04 05 19 16-0052	EA		8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie .....	1.59	
04 05 19 16-0053	EA		10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie .....	1.62	
<b>04 05 19 16-0054</b>			<b>Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16)</b>		
<b>04 05 19 16-0055</b>			<b>Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)</b>		
04 05 19 16-0056	EA		6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.40	
04 05 19 16-0057	EA		7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.44	
04 05 19 16-0058	EA		8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.46	
04 05 19 16-0059	EA		9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.49	
04 05 19 16-0060	EA		10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.51	
<b>04 05 19 16-0061</b>			<b>Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)</b>		
04 05 19 16-0062	EA		6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.26	
04 05 19 16-0063	EA		7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.29	
04 05 19 16-0064	EA		8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.30	
04 05 19 16-0065	EA		9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.32	
04 05 19 16-0066	EA		10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.33	
<b>04 05 19 16-0067</b>			<b>Corrugated Buck (Brick) Anchors (04 05 19 16)</b>		
<b>04 05 19 16-0068</b>			<b>Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors (04 05 19 16-0067)</b>		
04 05 19 16-0069	EA		3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.61	
04 05 19 16-0070	EA		4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.65	
04 05 19 16-0071	EA		5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.69	
04 05 19 16-0072	EA		6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.74	
04 05 19 16-0073	EA		7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.78	
04 05 19 16-0074	EA		3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.64	
04 05 19 16-0075	EA		4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.69	
04 05 19 16-0076	EA		5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.74	
04 05 19 16-0077	EA		6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.79	
04 05 19 16-0078	EA		7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.83	
<b>04 05 19 16-0079</b>			<b>Mill Galvanized, Corrugated Buck (Brick) Anchors (04 05 19 16-0067)</b>		
04 05 19 16-0080	EA		3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor .....	1.45	
04 05 19 16-0081	EA		4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor .....	1.48	
04 05 19 16-0082	EA		5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor .....	1.51	
04 05 19 16-0083	EA		6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor .....	1.55	
04 05 19 16-0084	EA		7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor .....	1.58	
04 05 19 16-0085	EA		3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor .....	1.48	
04 05 19 16-0086	EA		4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor .....	1.51	
04 05 19 16-0087	EA		5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor .....	1.55	
04 05 19 16-0088	EA		6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor .....	1.58	
04 05 19 16-0089	EA		7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor .....	1.62	
<b>04 05 19 16-0090</b>			<b>Corrugated Wall Ties (04 05 19 16)</b>		
<b>04 05 19 16-0091</b>			<b>Hot-Dipped Galvanized, Corrugated Wall Ties (04 05 19 16-0090)</b>		
04 05 19 16-0092	EA		7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie .....	1.03	
04 05 19 16-0093	EA		7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie .....	1.07	
04 05 19 16-0094	EA		7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie .....	1.08	
04 05 19 16-0095	EA		7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie .....	1.10	
04 05 19 16-0096	EA		7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie .....	1.22	
<b>04 05 19 16-0097</b>			<b>Mill Galvanized, Corrugated Wall Ties (04 05 19 16-0090)</b>		
04 05 19 16-0098	EA		7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie .....	1.05	
04 05 19 16-0099	EA		7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie .....	1.06	
04 05 19 16-0100	EA		7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie .....	1.07	
04 05 19 16-0101	EA		7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie .....	1.16	
<b>04 05 19 16-0102</b>			<b>Stainless Steel, Corrugated Wall Ties (04 05 19 16-0090)</b>		
04 05 19 16-0103	EA		7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie .....	1.34	
04 05 19 16-0104	EA		7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie .....	1.39	
04 05 19 16-0105	EA		7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie .....	1.45	
04 05 19 16-0106	EA		7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie .....	1.50	
04 05 19 16-0107	EA		7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie .....	1.76	
<b>04 05 19 16-0108</b>			<b>Wire Mesh Wall Ties (04 05 19 16)</b>		
			Note: 1/2" square mesh.		
04 05 19 16-0109	EA		3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie .....	1.86	
04 05 19 16-0110	EA		3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie .....	2.16	
04 05 19 16-0111	EA		6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie .....	2.49	
04 05 19 16-0112	EA		6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie .....	3.04	
04 05 19 16-0113	EA		10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie .....	2.99	
04 05 19 16-0114	EA		10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie .....	3.45	

MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0115					Triangle Brick Ties <small>(04 05 19 16)</small>		
04 05 19 16-0116					Hot-Dipped Galvanized, Triangle Brick Ties <small>(04 05 19 16-0115)</small>		
04 05 19 16-0117	EA				3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.68	
04 05 19 16-0118	EA				3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.70	
04 05 19 16-0119	EA				4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.72	
04 05 19 16-0120	EA				4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.79	
04 05 19 16-0121	EA				5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.80	
04 05 19 16-0122	EA				6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.89	
04 05 19 16-0123	EA				7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.93	
04 05 19 16-0124	EA				9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	2.03	
04 05 19 16-0125	EA				3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.88	
04 05 19 16-0126	EA				3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.89	
04 05 19 16-0127	EA				4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.91	
04 05 19 16-0128	EA				4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.97	
04 05 19 16-0129	EA				5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.99	
04 05 19 16-0130	EA				6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	2.07	
04 05 19 16-0131	EA				7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	2.10	
04 05 19 16-0132	EA				9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	2.20	
04 05 19 16-0133					Mill Galvanized, Triangle Brick Ties <small>(04 05 19 16-0115)</small>		
04 05 19 16-0134	EA				3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.58	
04 05 19 16-0135	EA				3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.59	
04 05 19 16-0136	EA				4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.60	
04 05 19 16-0137	EA				4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.65	
04 05 19 16-0138	EA				5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.66	
04 05 19 16-0139	EA				6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.72	
04 05 19 16-0140	EA				7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.74	
04 05 19 16-0141	EA				9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.77	
04 05 19 16-0142	EA				3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.70	
04 05 19 16-0143	EA				3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.71	
04 05 19 16-0144	EA				4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.72	
04 05 19 16-0145	EA				4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.78	
04 05 19 16-0146	EA				5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.79	
04 05 19 16-0147	EA				6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.86	
04 05 19 16-0148	EA				7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.89	
04 05 19 16-0149	EA				9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.94	
04 05 19 16-0150					Seismic Veneer Anchors <small>(04 05 19 16)</small>		
04 05 19 16-0151	EA				3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor .....	5.19	
					Note: For horizontal wire attachment. Excludes wire.		
04 05 19 16-0152					Slip-Set, Joint Stabilization Anchors <small>(04 05 19 16)</small>		
					Note: For restraining lateral movement at control joints. Field bendable.		
04 05 19 16-0153	EA				9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor .....	3.86	
04 05 19 16-0154	EA				9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor .....	4.15	
04 05 19 16-0155	EA				9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor .....	5.19	
04 05 19 16-0156					Strap Partition Top Anchors <small>(04 05 19 16)</small>		
04 05 19 16-0157	EA				12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor .....	2.42	
04 05 19 16-0158	EA				12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor .....	5.46	
04 05 19 16-0159					Rigid Partition Anchors <small>(04 05 19 16)</small>		
04 05 19 16-0160					Hot-Dipped Galvanized, Rigid Partition Anchors <small>(04 05 19 16-0159)</small>		
04 05 19 16-0161	EA				1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.17	
04 05 19 16-0162	EA				1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.29	
04 05 19 16-0163	EA				1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.45	
04 05 19 16-0164	EA				1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.59	
04 05 19 16-0165	EA				2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.72	
04 05 19 16-0166	EA				2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.86	
04 05 19 16-0167	EA				1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.73	
04 05 19 16-0168	EA				1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	3.16	
04 05 19 16-0169	EA				1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	3.61	
04 05 19 16-0170	EA				1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	4.05	
04 05 19 16-0171	EA				2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	4.49	
04 05 19 16-0172	EA				2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	4.93	
04 05 19 16-0173					Mill Galvanized, Rigid Partition Anchors <small>(04 05 19 16-0159)</small>		
04 05 19 16-0174	EA				1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.05	
04 05 19 16-0175	EA				1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.16	
04 05 19 16-0176	EA				1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.26	
04 05 19 16-0177	EA				1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.37	
04 05 19 16-0178	EA				2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.48	
04 05 19 16-0179	EA				2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.59	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>04 05 19 16-0180</b>		<b>Screw-On Masonry Veneer Anchor Plates</b> <small>(04 05 19 16)</small>		
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	1.40	
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	1.45	

<b>04 05 19 16-0183</b>		<b>Wire Column Ties</b> <small>(04 05 19 16)</small>		
<b>04 05 19 16-0184</b>		<b>Hot-Dipped Galvanized, Wire Column Ties</b> <small>(04 05 19 16-0183)</small>		
04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.60	
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.67	
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.73	
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.80	
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.66	
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.73	
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.77	
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.82	
04 05 19 16-0193	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.98	
04 05 19 16-0194	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.11	
04 05 19 16-0195	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.19	
04 05 19 16-0196	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.31	
04 05 19 16-0197	EA	10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	2.11	
04 05 19 16-0198	EA	12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	2.19	
04 05 19 16-0199	EA	14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	2.27	
04 05 19 16-0200	EA	16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	2.35	

<b>04 05 19 16-0201</b>		<b>Mill Galvanized, Wire Column Ties</b> <small>(04 05 19 16-0183)</small>		
04 05 19 16-0202	EA	3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.47	
04 05 19 16-0203	EA	5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.51	
04 05 19 16-0204	EA	7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.54	
04 05 19 16-0205	EA	9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.59	
04 05 19 16-0206	EA	10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.49	
04 05 19 16-0207	EA	12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.53	
04 05 19 16-0208	EA	14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.56	
04 05 19 16-0209	EA	16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.60	
04 05 19 16-0210	EA	3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.75	
04 05 19 16-0211	EA	5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.84	
04 05 19 16-0212	EA	7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.87	
04 05 19 16-0213	EA	9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.96	
04 05 19 16-0214	EA	10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.72	
04 05 19 16-0215	EA	12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.85	
04 05 19 16-0216	EA	14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.91	
04 05 19 16-0217	EA	16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.96	

<b>04 05 19 16-0218</b>		<b>Dovetail Anchors, Slots And Ties</b> <small>(04 05 19 16)</small>		
<b>04 05 19 16-0219</b>		<b>Dovetail Anchor Slots</b> <small>(04 05 19 16-0218)</small>		
<b>04 05 19 16-0220</b>		<b>Hot-Dipped Galvanized, Dovetail Anchor Slot</b> <small>(04 05 19 16-0219)</small>		
04 05 19 16-0221	LF	24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	3.34	
04 05 19 16-0222	LF	22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	3.56	
04 05 19 16-0223	LF	20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	3.69	
04 05 19 16-0224	LF	18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	3.75	
04 05 19 16-0225	LF	16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	3.89	

<b>04 05 19 16-0226</b>		<b>Mill Galvanized, Dovetail Anchor Slot</b> <small>(04 05 19 16-0219)</small>		
04 05 19 16-0227	LF	24 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	2.91	
04 05 19 16-0228	LF	22 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	3.18	
04 05 19 16-0229	LF	20 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	3.25	
04 05 19 16-0230	LF	18 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	3.34	
04 05 19 16-0231	LF	16 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	3.40	

<b>04 05 19 16-0232</b>		<b>304 Stainless Steel, Dovetail Anchor Slot</b> <small>(04 05 19 16-0219)</small>		
04 05 19 16-0233	LF	24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	3.65	
04 05 19 16-0234	LF	22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot .....	4.00	
04 05 19 16-0235	LF	20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot .....	4.13	
04 05 19 16-0236	LF	18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot .....	4.53	
04 05 19 16-0237	LF	16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot .....	4.92	

<b>04 05 19 16-0238</b>		<b>316 Stainless Steel, Dovetail Anchor Slot</b> <small>(04 05 19 16-0219)</small>		
04 05 19 16-0239	LF	24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot .....	3.93	
04 05 19 16-0240	LF	22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot .....	4.20	
04 05 19 16-0241	LF	20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot .....	4.47	
04 05 19 16-0242	LF	18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot .....	4.82	
04 05 19 16-0243	LF	16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot .....	5.02	

<b>04 05 19 16-0244</b>		<b>Dovetail Corrugated Brick Ties</b> <small>(04 05 19 16-0218)</small>		
<b>04 05 19 16-0245</b>		<b>Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie</b> <small>(04 05 19 16-0244)</small>		

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 05 19 16-0246	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.30
04 05 19 16-0247	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.37
04 05 19 16-0248	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.43
04 05 19 16-0249	EA	3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.30
04 05 19 16-0250	EA	5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.43
04 05 19 16-0251	EA	7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.53
04 05 19 16-0252	EA	3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.34
04 05 19 16-0253	EA	5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.43
04 05 19 16-0254	EA	7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.52
<b>04 05 19 16-0255</b>		<b>Mill Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)</b>	
04 05 19 16-0256	EA	3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.22
04 05 19 16-0257	EA	5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.27
04 05 19 16-0258	EA	7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.31
04 05 19 16-0259	EA	3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.26
04 05 19 16-0260	EA	5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.35
04 05 19 16-0261	EA	7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.42
04 05 19 16-0262	EA	3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.27
04 05 19 16-0263	EA	5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.38
04 05 19 16-0264	EA	7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.45
<b>04 05 19 16-0265</b>		<b>Dovetail Stone Anchors (04 05 19 16-0218)</b>	
<b>04 05 19 16-0266</b>		<b>Hot-Dipped Galvanized, Dovetail Stone Anchors (04 05 19 16-0265)</b>	
04 05 19 16-0267	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.44
04 05 19 16-0268	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.52
04 05 19 16-0269	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.59
<b>04 05 19 16-0270</b>		<b>Dovetail Partition Top Anchors (04 05 19 16-0218)</b>	
04 05 19 16-0271	EA	3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor	2.60
04 05 19 16-0272	EA	3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor	5.90
<b>04 05 19 16-0273</b>		<b>Dovetail Flexible Triangle Brick Ties (04 05 19 16-0218)</b>	
<b>04 05 19 16-0274</b>		<b>Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)</b>	
04 05 19 16-0275	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.03
04 05 19 16-0276	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.12
04 05 19 16-0277	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.18
04 05 19 16-0278	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.25
<b>04 05 19 16-0279</b>		<b>Mill Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)</b>	
04 05 19 16-0280	EA	3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	1.90
04 05 19 16-0281	EA	5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	1.91
04 05 19 16-0282	EA	7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	1.95
04 05 19 16-0283	EA	9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.05
<b>04 05 19 26</b>		<b>Masonry Reinforcing Bars (04 05 19)</b>	
		Note: Includes cutting and bending.	
<b>04 05 19 26-0001</b>		<b>Plain Steel Masonry Reinforcement Bar (04 05 19 26)</b>	
04 05 19 26-0002	LF	#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	0.83
04 05 19 26-0003	LF	#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.35
04 05 19 26-0004	LF	#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.88
04 05 19 26-0005	LF	#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	2.44
04 05 19 26-0006	LF	#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	0.84
04 05 19 26-0007	LF	#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.37
04 05 19 26-0008	LF	#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.91
04 05 19 26-0009	LF	#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	2.48
04 05 19 26-0010	LF	#3, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	0.85
04 05 19 26-0011	LF	#4, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	1.39
04 05 19 26-0012	LF	#5, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	1.95
04 05 19 26-0013	LF	#6, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	2.54
04 05 19 26-0014	LF	#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	0.98
04 05 19 26-0015	LF	#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	1.58
04 05 19 26-0016	LF	#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	2.21
04 05 19 26-0017	LF	#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	2.84
04 05 19 26-0018	LF	#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	0.99
04 05 19 26-0019	LF	#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	1.60
04 05 19 26-0020	LF	#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	2.24
04 05 19 26-0021	LF	#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	2.88
04 05 19 26-0022	LF	#3, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	1.00
04 05 19 26-0023	LF	#4, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	1.62
04 05 19 26-0024	LF	#5, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	2.28
04 05 19 26-0025	LF	#6, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	2.94
<b>04 05 19 26-0026</b>		<b>Galvanized Steel Masonry Reinforcement Bar (04 05 19 26)</b>	
04 05 19 26-0027	LF	#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	0.93
04 05 19 26-0028	LF	#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.53



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 26-0029	LF	#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.18	
04 05 19 26-0030	LF	#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.86	
04 05 19 26-0031	LF	#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.94	
04 05 19 26-0032	LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.55	
04 05 19 26-0033	LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.21	
04 05 19 26-0034	LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.90	
04 05 19 26-0035	LF	#3, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.96	
04 05 19 26-0036	LF	#4, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.58	
04 05 19 26-0037	LF	#5, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.25	
04 05 19 26-0038	LF	#6, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.96	
04 05 19 26-0039	LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.08	
04 05 19 26-0040	LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.76	
04 05 19 26-0041	LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.51	
04 05 19 26-0042	LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.26	
04 05 19 26-0043	LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.09	
04 05 19 26-0044	LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.78	
04 05 19 26-0045	LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.54	
04 05 19 26-0046	LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.30	
04 05 19 26-0047	LF	#3, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.11	
04 05 19 26-0048	LF	#4, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.81	
04 05 19 26-0049	LF	#5, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.58	
04 05 19 26-0050	LF	#6, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.36	

**04 05 19 26-0051 Epoxy-Coated Masonry Reinforcement Bar** (04 05 19 26)

04 05 19 26-0052	LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.92	
04 05 19 26-0053	LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.51	
04 05 19 26-0054	LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.14	
04 05 19 26-0055	LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.81	
04 05 19 26-0056	LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.93	
04 05 19 26-0057	LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.53	
04 05 19 26-0058	LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.17	
04 05 19 26-0059	LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.85	
04 05 19 26-0060	LF	#3, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.95	
04 05 19 26-0061	LF	#4, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.56	
04 05 19 26-0062	LF	#5, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.22	
04 05 19 26-0063	LF	#6, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.92	
04 05 19 26-0064	LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.07	
04 05 19 26-0065	LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.74	
04 05 19 26-0066	LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.47	
04 05 19 26-0067	LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.21	
04 05 19 26-0068	LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.08	
04 05 19 26-0069	LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.76	
04 05 19 26-0070	LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.50	
04 05 19 26-0071	LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.25	
04 05 19 26-0072	LF	#3, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.10	
04 05 19 26-0073	LF	#4, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.79	
04 05 19 26-0074	LF	#5, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.55	
04 05 19 26-0075	LF	#6, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.32	

**04 05 23 Masonry Accessories** (04 05)

**04 05 23 13 Masonry Control and Expansion Joints** (04 05 23)

**04 05 23 13-0001 Masonry Control Joints** (04 05 23 13)

**04 05 23 13-0002 Rubber, Masonry Control Joints** (04 05 23 13-0001)

04 05 23 13-0003	LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint.....	4.50	1.02
04 05 23 13-0004	LF	2-5/8" Width, Rubber, Masonry Control Joint.....	4.41	1.02
04 05 23 13-0005	LF	6-7/8" Width, Rubber, Masonry Control Joint.....	8.45	1.02

**04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints** (04 05 23 13-0001)

04 05 23 13-0007	LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint.....	3.25	1.02
04 05 23 13-0008	LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	3.32	1.02
04 05 23 13-0009	LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	4.17	1.02
04 05 23 13-0010	LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	4.68	1.02
04 05 23 13-0011	LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	4.52	1.02

**04 05 23 16 Masonry Embedded Flashing** (04 05 23)

**04 05 23 16-0001 Lead Coated Copper Through Wall Flashing** (04 05 23 16)

**04 05 23 16-0002 Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing** (04 05 23 16-0001)

04 05 23 16-0003	SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	7.93	2.09
04 05 23 16-0004	SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	8.60	2.09
04 05 23 16-0005	SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	10.44	2.09
04 05 23 16-0006	SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	12.06	2.09

**04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing** (04 05 23 16-0001)

04 05 23 16-0008	SF	2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	8.58	2.09
04 05 23 16-0009	SF	3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	9.18	2.09

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 16-0010	SF		5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing .....	11.30	2.09
04 05 23 16-0011	SF		7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing .....	13.26	2.09
<b>04 05 23 16-0012</b>			<b>Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing</b> <small>(04 05 23 16-0001)</small>		
04 05 23 16-0013	SF		2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing .....	8.08	2.09
04 05 23 16-0014	SF		3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing .....	8.91	2.09
04 05 23 16-0015	SF		5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing .....	10.11	2.09
04 05 23 16-0016	SF		7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing .....	12.59	2.09
<b>04 05 23 16-0017</b>			<b>Copper Through Wall Flashing</b> <small>(04 05 23 16)</small>		
<b>04 05 23 16-0018</b>			<b>2 Sides Coated With Asphalt, Thru-Wall Copper Flashing</b> <small>(04 05 23 16-0017)</small>		
04 05 23 16-0019	SF		2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	6.94	1.95
04 05 23 16-0020	SF		3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	7.42	1.95
04 05 23 16-0021	SF		5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	8.78	1.95
04 05 23 16-0022	SF		7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	9.97	1.95
04 05 23 16-0023	SF		10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	10.47	1.95
<b>04 05 23 16-0024</b>			<b>2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing</b> <small>(04 05 23 16-0017)</small>		
04 05 23 16-0025	SF		2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	7.42	1.95
04 05 23 16-0026	SF		3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	7.85	1.95
04 05 23 16-0027	SF		5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	9.41	1.95
04 05 23 16-0028	SF		7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	10.83	1.95
04 05 23 16-0029	SF		10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	11.68	1.95
<b>04 05 23 16-0030</b>			<b>1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing</b> <small>(04 05 23 16-0017)</small>		
04 05 23 16-0031	SF		2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	6.99	1.95
04 05 23 16-0032	SF		3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	7.49	1.95
04 05 23 16-0033	SF		5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	8.83	1.95
04 05 23 16-0034	SF		7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	10.01	1.95
04 05 23 16-0035	SF		10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	10.52	1.95
<b>04 05 23 16-0036</b>			<b>2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing</b> <small>(04 05 23 16-0017)</small>		
04 05 23 16-0037	SF		2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	7.05	1.95
04 05 23 16-0038	SF		3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	7.65	1.95
04 05 23 16-0039	SF		5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	8.53	1.95
04 05 23 16-0040	SF		7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	10.35	1.95
04 05 23 16-0041	SF		10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	8.37	1.95
<b>04 05 23 16-0042</b>			<b>2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing</b> <small>(04 05 23 16-0017)</small>		
04 05 23 16-0043	SF		3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	9.05	1.95
04 05 23 16-0044	SF		5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	10.85	1.95
<b>04 05 23 16-0045</b>			<b>2 Sides Glass Fabric, Thru-Wall Copper Flashing</b> <small>(04 05 23 16-0017)</small>		
			Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0046	SF		3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing .....	8.01	1.95
04 05 23 16-0047	SF		5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing .....	9.62	1.95
<b>04 05 23 16-0048</b>			<b>Stainless Steel Through Wall Flashing</b> <small>(04 05 23 16)</small>		
<b>04 05 23 16-0049</b>			<b>Paper Backed 2 Sides, Stainless Steel Through Wall Flashing</b> <small>(04 05 23 16-0048)</small>		
04 05 23 16-0050	SF		0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing .....	7.05	1.95
<b>04 05 23 16-0051</b>			<b>Polyvinyl Chloride (PVC) Through Wall Flashing</b> <small>(04 05 23 16)</small>		
04 05 23 16-0052	SF		0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	3.64	1.56
04 05 23 16-0053	SF		0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	3.80	1.56
04 05 23 16-0054	SF		0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	3.98	1.56
04 05 23 16-0055	SF		0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	4.58	1.56
<b>04 05 23 19</b>			<b>Masonry Cavity Drainage, Weepholes, and Vents</b> <small>(04 05 23)</small>		
<b>04 05 23 19-0001</b>			<b>Brick Vents, 4" Deep, With Insect Screen</b> <small>(04 05 23 19)</small>		
			Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002	EA		8-1/8" x 2-3/8" Aluminum Brick Vent .....	63.83	
04 05 23 19-0003	EA		8-1/8" x 4-3/4" Aluminum Brick Vent .....	78.99	
04 05 23 19-0004	EA		8-1/8" x 7-3/4" Aluminum Brick Vent .....	99.22	
04 05 23 19-0005	EA		12" x 2-3/8" Aluminum Brick Vent .....	77.30	
04 05 23 19-0006	EA		12" x 4-3/4" Aluminum Brick Vent .....	95.22	
04 05 23 19-0007	EA		12" x 7-3/4" Aluminum Brick Vent .....	119.98	
04 05 23 19-0008	EA		16-1/2" x 2-3/8" Aluminum Brick Vent .....	90.84	
04 05 23 19-0009	EA		16-1/2" x 4-3/4" Aluminum Brick Vent .....	122.33	
04 05 23 19-0010	EA		16-1/2" x 7-3/4" Aluminum Brick Vent .....	148.68	
04 05 23 19-0011	EA		24" x 2-3/8" Aluminum Brick Vent .....	121.87	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 23 19-0012	EA	24" x 4-3/4" Aluminum Brick Vent .....	158.39	
04 05 23 19-0013	EA	24" x 7-3/4" Aluminum Brick Vent .....	193.88	

**04 20 Unit Masonry** (04)

Note: Includes pointing and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

**04 21 Clay Unit Masonry** (04 20)

**04 21 13 Brick Masonry** (04 21)

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.

**04 21 13 00-0001 Brick Masonry** (04 21 13)

04 21 13 00-0002	SF	Standard Size Red Brick, Running Bond .....	24.39	
		Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)		
		For Buff Or Gray, Add	0.84	
		For Common Or American Bond, Add	0.77	
		For English Bond, Add	1.55	
		For Flemish Bond, Add	3.15	
		For Stacked Bond, Add	2.19	
		For <10, Small Area Replacements (Individual Areas), Add	29.28	
		For Curved Wall, Add	3.87	
		For Corbels, Add	14.51	
		For Severe Weather (SW) Brick, Add	0.76	
		For Glazed Brick, Add	17.64	
04 21 13 00-0003	SF	Engineer Standard Size Red Brick, Running Bond .....	25.16	
		Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)		
		For Buff Or Gray, Add	1.04	
		For Common Or American Bond, Add	0.76	
		For English Bond, Add	1.51	
		For Flemish Bond, Add	3.15	
		For Stacked Bond, Add	2.20	
		For <10, Small Area Replacements (Individual Areas), Add	28.68	
		For Curved Wall, Add	3.78	
		For Corbels, Add	14.18	
		For Severe Weather (SW) Brick, Add	0.94	
		For Glazed Brick, Add	21.88	
04 21 13 00-0004	SF	Modular Size Red Brick, Running Bond .....	24.39	
		Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)		
		For Buff Or Gray, Add	0.84	
		For Common Or American Bond, Add	0.77	
		For English Bond, Add	1.55	
		For Flemish Bond, Add	3.15	
		For Stacked Bond, Add	2.19	
		For <10, Small Area Replacements (Individual Areas), Add	29.28	
		For Curved Wall, Add	3.87	
		For Corbels, Add	14.51	
		For Severe Weather (SW) Brick, Add	0.76	
		For Glazed Brick, Add	17.64	
04 21 13 00-0005	SF	Engineer Modular Size Red Brick, Running Bond .....	25.16	
		Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)		
		For Buff Or Gray, Add	1.04	
		For Common Or American Bond, Add	0.76	
		For English Bond, Add	1.51	
		For Flemish Bond, Add	3.15	
		For Stacked Bond, Add	2.20	
		For <10, Small Area Replacements (Individual Areas), Add	28.68	
		For Curved Wall, Add	3.78	
		For Corbels, Add	14.18	
		For Severe Weather (SW) Brick, Add	0.94	
		For Glazed Brick, Add	21.88	
04 21 13 00-0006	SF	Economy Size Red Brick, Running Bond .....	24.99	
		Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)		
		For Buff Or Gray, Add	1.01	
		For Common Or American Bond, Add	0.76	
		For English Bond, Add	1.51	
		For Flemish Bond, Add	3.14	
		For Stacked Bond, Add	2.20	
		For <10, Small Area Replacements (Individual Areas), Add	28.67	
		For Curved Wall, Add	3.78	
		For Corbels, Add	14.18	
		For Severe Weather (SW) Brick, Add	0.91	
		For Glazed Brick, Add	21.28	
04 21 13 00-0007	SF	Utility Size Red Brick, Running Bond .....	18.42	
		Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)		
		For Buff Or Gray, Add	0.87	
		For Common Or American Bond, Add	0.53	
		For English Bond, Add	1.06	
		For Flemish Bond, Add	2.24	
		For Stacked Bond, Add	1.58	
		For <10, Small Area Replacements (Individual Areas), Add	20.08	
		For Curved Wall, Add	2.64	
		For Corbels, Add	9.91	
		For Severe Weather (SW) Brick, Add	0.78	
		For Glazed Brick, Add	18.24	

**04 Masonry**  
**04 20 Unit Masonry**  
**04 21 Clay Unit Masonry**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
04 21 13 00-0008	SF Double Utility Size Red Brick, Running Bond.....	16.86	
	Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)		
	For Buff Or Gray, Add	0.61	
	For Common Or American Bond, Add	0.53	
	For English Bond, Add	1.06	
	For Flemish Bond, Add	2.16	
	For Stacked Bond, Add	1.50	
	For <10, Small Area Replacements (Individual Areas), Add	20.00	
	For Curved Wall, Add	2.64	
	For Corbels, Add	9.91	
	For Severe Weather (SW) Brick, Add	0.55	
	For Glazed Brick, Add	12.78	
04 21 13 00-0009	SF Norman Size Red Brick, Running Bond.....	25.47	
	Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)		
	For Buff Or Gray, Add	1.09	
	For Common Or American Bond, Add	0.76	
	For English Bond, Add	1.51	
	For Flemish Bond, Add	3.16	
	For Stacked Bond, Add	2.22	
	For <10, Small Area Replacements (Individual Areas), Add	28.69	
	For Curved Wall, Add	3.78	
	For Corbels, Add	14.18	
	For Severe Weather (SW) Brick, Add	0.98	
	For Glazed Brick, Add	22.96	
04 21 13 00-0010	SF Roman Size Red Brick, Running Bond.....	26.85	
	Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)		
	For Buff Or Gray, Add	1.32	
	For Common Or American Bond, Add	0.76	
	For English Bond, Add	1.51	
	For Flemish Bond, Add	3.23	
	For Stacked Bond, Add	2.29	
	For <10, Small Area Replacements (Individual Areas), Add	28.76	
	For Curved Wall, Add	3.78	
	For Corbels, Add	14.18	
	For Severe Weather (SW) Brick, Add	1.19	
	For Glazed Brick, Add	27.79	
04 21 13 00-0011	<b>Fire Brick</b> (04 21 13)		
04 21 13 00-0012	SF Running Bond, Red Fire Brick.....	28.23	
	For Buff Or Gray, Add	1.55	
	For Common Or American Bond, Add	0.76	
	For English Bond, Add	1.51	
	For Flemish Bond, Add	3.30	
	For Stacked Bond, Add	2.36	
	For <10, Small Area Replacements (Individual Areas), Add	28.83	
04 21 13 00-0013	<b>Window Sill</b> (04 21 13)		
04 21 13 00-0014	LF Standard Size Red Brick, Window Sill.....	21.94	
	Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge.		
	For Buff Or Gray, Add	0.19	
04 21 13 00-0015	LF Engineer Standard Size Red Brick, Window Sill.....	22.08	
	Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge.		
	For Buff Or Gray, Add	0.22	
04 21 13 00-0016	LF Modular Size Red Brick, Window Sill.....	21.94	
	Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge.		
	For Buff Or Gray, Add	0.19	
04 21 13 00-0017	LF Engineer Modular Size Red Brick, Window Sill.....	22.17	
	Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge.		
	For Buff Or Gray, Add	0.23	
04 21 13 00-0018	LF Economy Size Red Brick, Window Sill.....	22.77	
	Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge.		
	For Buff Or Gray, Add	0.33	
04 21 13 00-0019	LF Utility Size Red Brick, Window Sill.....	22.89	
	Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge.		
	For Buff Or Gray, Add	0.35	
04 21 13 00-0020	LF Double Utility Size Red Brick, Window Sill.....	22.89	
	Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge.		
	For Buff Or Gray, Add	0.35	
04 21 13 00-0021	LF Norman Size Red Brick, Window Sill.....	22.25	
	Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge.		
	For Buff Or Gray, Add	0.24	
04 21 13 00-0022	LF Roman Size Red Brick, Window Sill.....	22.31	
	Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge.		
	For Buff Or Gray, Add	0.25	
04 21 26	<b>Glazed Structural Clay Tile Masonry</b> (04 21)		
	Note: Includes tile and mortar in all colors.		
04 21 26 00-0001	6T Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0002	Glazed On One Side 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)		
04 21 26 00-0003	SF 2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	30.62	
	For Stacked Bond, Add	2.07	
04 21 26 00-0004	SF 4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	34.07	
	For Stacked Bond, Add	2.07	
04 21 26 00-0005	SF 6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	41.24	
	For Stacked Bond, Add	2.16	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>04 21 26 00-0006</b>	<b>Special Shapes 6T Series Structural Glazed Clay Tile</b> <small>(04 21 26 00-0001)</small>		
04 21 26 00-0007	LF Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile.....	32.32	
	<i>For Stacked Bond, Add</i>	2.45	
04 21 26 00-0008	LF 2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile.....	38.06	
	<i>For Stacked Bond, Add</i>	2.45	
<b>04 21 26 00-0009</b>	<b>8W Series Structural Glazed Clay Tile</b> <small>(04 21 26)</small>		
<b>04 21 26 00-0010</b>	<b>Glazed On One Side 8W Series Structural Glazed Clay Tile</b> <small>(04 21 26 00-0009)</small>		
04 21 26 00-0011	SF 2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16".....	23.73	
	<i>For Stacked Bond, Add</i>	1.32	
04 21 26 00-0012	SF 4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16".....	29.31	
	<i>For Stacked Bond, Add</i>	1.41	
04 21 26 00-0013	SF 6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16".....	40.05	
	<i>For Stacked Bond, Add</i>	1.51	
<b>04 21 26 00-0014</b>	<b>Special Shapes 8W Series Structural Glazed Clay Tile</b> <small>(04 21 26 00-0009)</small>		
04 21 26 00-0015	LF Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile.....	32.35	
	<i>For Stacked Bond, Add</i>	1.69	
04 21 26 00-0016	LF 2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile.....	32.31	
	<i>For Stacked Bond, Add</i>	1.69	
<b>04 21 26 00-0017</b>	<b>4W Series Structural Glazed Clay Tile</b> <small>(04 21 26)</small>		
<b>04 21 26 00-0018</b>	<b>Glazed On One Side 4W Series Structural Glazed Clay Tile</b> <small>(04 21 26 00-0017)</small>		
04 21 26 00-0019	SF 2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8".....	31.91	
	<i>For Stacked Bond, Add</i>	2.07	
04 21 26 00-0020	SF 4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8".....	33.63	
	<i>For Stacked Bond, Add</i>	2.07	
04 21 26 00-0021	SF 6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8".....	41.46	
	<i>For Stacked Bond, Add</i>	2.16	
<b>04 21 26 00-0022</b>	<b>Special Shapes 4W Series Structural Glazed Clay Tile</b> <small>(04 21 26 00-0017)</small>		
04 21 26 00-0023	LF Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile.....	33.37	
	<i>For Stacked Bond, Add</i>	2.45	
04 21 26 00-0024	LF 2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile.....	37.97	
	<i>For Stacked Bond, Add</i>	2.45	
<b>04 21 26 00-0025</b>	<b>6T Series Sound Absorbing Structural Glazed Tile</b> <small>(04 21 26)</small>		
04 21 26 00-0026	SF 4" Thick, 6T Sound Absorbing Structural Glazed Tile.....	33.06	
04 21 26 00-0027	SF 6" Thick, 6T Sound Absorbing Structural Glazed Tile.....	35.67	
04 21 26 00-0028	SF 8" Thick, 6T Sound Absorbing Structural Glazed Tile.....	41.64	
<b>04 21 26 00-0029</b>	<b>8T Series Sound Absorbing Structural Glazed Tile</b> <small>(04 21 26)</small>		
04 21 26 00-0030	SF 4" Thick, 8T Sound Absorbing Structural Glazed Tile.....	35.76	
04 21 26 00-0031	SF 6" Thick, 8T Sound Absorbing Structural Glazed Tile.....	40.24	
04 21 26 00-0032	SF 8" Thick, 8T Acoustical Glazed Tile.....	47.84	

**04 22 Concrete Unit Masonry** (04 20)

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

**04 22 23 Architectural Concrete Unit Masonry** (04 22)

**04 22 23 13 Exposed Aggregate Concrete Unit Masonry** (04 22 23)

<b>04 22 23 13-0001</b>	<b>Concrete Blocks</b> <small>(04 22 23 13)</small>		
<b>04 22 23 13-0002</b>	<b>Lightweight Concrete Blocks</b> <small>(04 22 23 13-0001)</small>		
<b>04 22 23 13-0003</b>	<b>Cored, Lightweight, Concrete Blocks</b> <small>(04 22 23 13-0002)</small>		
04 22 23 13-0004	SF 4" x 8" x 16", Cored, Lightweight, Concrete Block.....	11.02	
	<i>For Stacked Bond, Add</i>	2.60	
	<i>For Scored Block, Add</i>	0.20	
	<i>For Curved Wall Application, Add</i>	2.00	
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	15.09	
04 22 23 13-0005	SF 6" x 8" x 16", Cored, Lightweight, Concrete Block.....	12.12	
	<i>For Stacked Bond, Add</i>	2.82	
	<i>For Scored Block, Add</i>	0.26	
	<i>For Curved Wall Application, Add</i>	2.17	
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	16.34	
04 22 23 13-0006	SF 8" x 8" x 16", Cored, Lightweight, Concrete Block.....	13.08	
	<i>For Stacked Bond, Add</i>	3.02	
	<i>For Scored Block, Add</i>	0.29	
	<i>For Curved Wall Application, Add</i>	2.33	
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	17.55	

**04 Masonry****04 20 Unit Masonry****04 22 Concrete Unit Masonry**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0007	SF		10" x 8" x 16", Cored, Lightweight, Concrete Block.....	14.09	
			<i>For Stacked Bond, Add</i>	3.16	
			<i>For Scored Block, Add</i>	0.39	
			<i>For Curved Wall Application, Add</i>	2.43	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	18.38	
04 22 23 13-0008	SF		12" x 8" x 16", Cored, Lightweight, Concrete Block.....	16.87	
			<i>For Stacked Bond, Add</i>	3.85	
			<i>For Scored Block, Add</i>	0.41	
			<i>For Curved Wall Application, Add</i>	2.96	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	22.36	
<b>04 22 23 13-0009</b>			<b>Solid, Lightweight, Concrete Blocks</b> (04 22 23 13-0002)		
04 22 23 13-0010	SF		4" x 8" x 16", Solid, Lightweight, Concrete Block.....	11.62	
			<i>For Stacked Bond, Add</i>	2.67	
			<i>For Scored Block, Add</i>	0.27	
			<i>For Curved Wall Application, Add</i>	2.05	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	15.51	
04 22 23 13-0011	SF		6" x 8" x 16", Solid, Lightweight, Concrete Block.....	12.75	
			<i>For Stacked Bond, Add</i>	2.94	
			<i>For Scored Block, Add</i>	0.29	
			<i>For Curved Wall Application, Add</i>	2.26	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	17.04	
04 22 23 13-0012	SF		8" x 8" x 16", Solid, Lightweight, Concrete Block.....	13.49	
			<i>For Stacked Bond, Add</i>	3.11	
			<i>For Scored Block, Add</i>	0.30	
			<i>For Curved Wall Application, Add</i>	2.40	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	18.08	
04 22 23 13-0013	SF		10" x 8" x 16", Solid, Lightweight, Concrete Block.....	14.64	
			<i>For Stacked Bond, Add</i>	3.26	
			<i>For Scored Block, Add</i>	0.42	
			<i>For Curved Wall Application, Add</i>	2.51	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	18.98	
04 22 23 13-0014	SF		12" x 8" x 16", Solid, Lightweight, Concrete Block.....	17.53	
			<i>For Stacked Bond, Add</i>	3.98	
			<i>For Scored Block, Add</i>	0.45	
			<i>For Curved Wall Application, Add</i>	3.06	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	23.10	
<b>04 22 23 13-0015</b>			<b>Normal Weight Concrete Blocks</b> (04 22 23 13-0001)		
<b>04 22 23 13-0016</b>			<b>Cored, Normal Weight, Concrete Blocks</b> (04 22 23 13-0015)		
04 22 23 13-0017	SF		4" x 8" x 16", Cored, Normal Weight, Concrete Block.....	11.28	
			<i>For Stacked Bond, Add</i>	2.67	
			<i>For Scored Block, Add</i>	0.20	
			<i>For Curved Wall Application, Add</i>	2.05	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	15.48	
04 22 23 13-0018	SF		6" x 8" x 16", Cored, Normal Weight, Concrete Block.....	12.45	
			<i>For Stacked Bond, Add</i>	2.94	
			<i>For Scored Block, Add</i>	0.23	
			<i>For Curved Wall Application, Add</i>	2.26	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	17.02	
04 22 23 13-0019	SF		8" x 8" x 16", Cored, Normal Weight, Concrete Block.....	13.31	
			<i>For Stacked Bond, Add</i>	3.11	
			<i>For Scored Block, Add</i>	0.27	
			<i>For Curved Wall Application, Add</i>	2.40	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	18.07	
04 22 23 13-0020	SF		10" x 8" x 16", Cored, Normal Weight, Concrete Block.....	15.12	
			<i>For Stacked Bond, Add</i>	3.26	
			<i>For Scored Block, Add</i>	0.51	
			<i>For Curved Wall Application, Add</i>	2.51	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	19.02	
04 22 23 13-0021	SF		12" x 8" x 16", Cored, Normal Weight, Concrete Block.....	17.94	
			<i>For Stacked Bond, Add</i>	3.98	
			<i>For Scored Block, Add</i>	0.53	
			<i>For Curved Wall Application, Add</i>	3.06	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	23.13	
<b>04 22 23 13-0022</b>			<b>Solid, Normal Weight, Concrete Blocks</b> (04 22 23 13-0015)		
04 22 23 13-0023	SF		4" x 8" x 16", Solid, Normal Weight, Concrete Block.....	11.83	
			<i>For Stacked Bond, Add</i>	2.74	
			<i>For Scored Block, Add</i>	0.26	
			<i>For Curved Wall Application, Add</i>	2.11	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	15.91	
04 22 23 13-0024	SF		6" x 8" x 16", Solid, Normal Weight, Concrete Block.....	12.82	
			<i>For Stacked Bond, Add</i>	3.02	
			<i>For Scored Block, Add</i>	0.24	
			<i>For Curved Wall Application, Add</i>	2.33	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	17.53	
04 22 23 13-0025	SF		8" x 8" x 16", Solid, Normal Weight, Concrete Block.....	13.73	
			<i>For Stacked Bond, Add</i>	3.21	
			<i>For Scored Block, Add</i>	0.28	
			<i>For Curved Wall Application, Add</i>	2.47	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	18.63	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0026 SF 10" x 8" x 16", Solid, Normal Weight, Concrete Block.....	14.81	
For Stacked Bond, Add	3.37	
For Scored Block, Add	0.37	
For Curved Wall Application, Add	2.59	
For <10, Small Area Replacements (Individual Areas), Add	19.58	
04 22 23 13-0027 SF 12" x 8" x 16", Solid, Normal Weight, Concrete Block.....	17.76	
For Stacked Bond, Add	4.12	
For Scored Block, Add	0.39	
For Curved Wall Application, Add	3.17	
For <10, Small Area Replacements (Individual Areas), Add	23.89	
<b>04 22 23 13-0028 Bond Beam Or Lintel Concrete Blocks (04 22 23 13)</b>		
<b>04 22 23 13-0029 Lightweight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)</b>		
Note: Excludes concrete fill and reinforcing.		
04 22 23 13-0030 LF 6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	12.42	
For Stacked Bond, Add	2.82	
For Grout And Fill With 2 #5 Rebar, Add	7.01	
For Scored Block, Add	0.32	
For Curved Wall Application, Add	2.17	
04 22 23 13-0031 LF 8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	13.55	
For Stacked Bond, Add	3.02	
For Grout And Fill With 2 #5 Rebar, Add	7.74	
For Scored Block, Add	0.38	
For Curved Wall Application, Add	2.33	
04 22 23 13-0032 LF 12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	16.84	
For Stacked Bond, Add	3.85	
For Grout And Fill With 2 #5 Rebar, Add	9.44	
For Scored Block, Add	0.41	
For Curved Wall Application, Add	2.96	
<b>04 22 23 13-0033 Normal Weight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)</b>		
Note: Excludes concrete fill and reinforcing.		
04 22 23 13-0034 LF 6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block.....	12.65	
For Stacked Bond, Add	2.94	
For Grout And Fill With 2 #5 Rebar, Add	7.01	
For Scored Block, Add	0.27	
For Curved Wall Application, Add	2.26	
04 22 23 13-0035 LF 8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block.....	13.67	
For Stacked Bond, Add	3.11	
For Grout And Fill With 2 #5 Rebar, Add	7.68	
For Scored Block, Add	0.34	
For Curved Wall Application, Add	2.40	
04 22 23 13-0036 LF 12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block.....	17.10	
For Stacked Bond, Add	3.98	
For Grout And Fill With 2 #5 Rebar, Add	9.46	
For Scored Block, Add	0.36	
For Curved Wall Application, Add	3.06	
<b>04 22 23 23 Prefaced Concrete Unit Masonry (04 22 23)</b>		
<b>04 22 23 23-0001 Ground Face Concrete Blocks (04 22 23 23)</b>		
04 22 23 23-0002 SF 4" x 8" x 16", Ground Face, Concrete Block.....	14.17	
For Stacked Bond, Add	3.26	
For Scored Block, Add	0.32	
For Curved Wall Application, Add	2.51	
For <10, Small Area Replacements (Individual Areas), Add	18.95	
04 22 23 23-0003 SF 6" x 8" x 16", Ground Face, Concrete Block.....	15.97	
For Stacked Bond, Add	3.67	
For Scored Block, Add	0.37	
For Curved Wall Application, Add	2.82	
For <10, Small Area Replacements (Individual Areas), Add	21.32	
04 22 23 23-0004 SF 8" x 8" x 16", Ground Face, Concrete Block.....	17.10	
For Stacked Bond, Add	3.88	
For Scored Block, Add	0.44	
For Curved Wall Application, Add	2.98	
For <10, Small Area Replacements (Individual Areas), Add	22.53	
04 22 23 23-0005 SF 10" x 8" x 16", Ground Face, Concrete Block.....	18.22	
For Stacked Bond, Add	4.11	
For Scored Block, Add	0.48	
For Curved Wall Application, Add	3.16	
For <10, Small Area Replacements (Individual Areas), Add	23.90	
04 22 23 23-0006 SF 12" x 8" x 16", Ground Face, Concrete Block.....	21.76	
For Stacked Bond, Add	4.97	
For Scored Block, Add	0.53	
For Curved Wall Application, Add	3.82	
For <10, Small Area Replacements (Individual Areas), Add	28.88	
<b>04 22 23 26 Sound-Absorbing Concrete Unit Masonry (04 22 23)</b>		
<b>04 22 23 26-0001 Slotted, Acoustical Concrete Block (04 22 23 26)</b>		
04 22 23 26-0002 SF 4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block.....	17.04	
For Stacked Bond, Add	3.26	
For Curved Wall Application, Add	2.51	
For <10, Small Area Replacements (Individual Areas), Add	19.16	

**04 Masonry****04 20 Unit Masonry****04 22 Concrete Unit Masonry**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 26-0003	SF		6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block .....	18.89	
			<i>For Stacked Bond, Add</i>	3.54	
			<i>For Curved Wall Application, Add</i>	2.73	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	20.84	
04 22 23 26-0004	SF		8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block .....	21.39	
			<i>For Stacked Bond, Add</i>	3.88	
			<i>For Curved Wall Application, Add</i>	2.98	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	22.85	
<b>04 22 23 29</b>			<b>Split-Face Concrete Unit Masonry (04 22 23)</b>		
04 22 23 29-0001			Split Face, Concrete Blocks (04 22 23 29)		
04 22 23 29-0002			Plain Or Scored, Split Face, Concrete Blocks (04 22 23 29-0001)		
04 22 23 29-0003	SF		4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	14.37	
			<i>For Stacked Bond, Add</i>	3.26	
			<i>For Curved Wall Application, Add</i>	2.51	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	18.96	
04 22 23 29-0004	SF		6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	16.20	
			<i>For Stacked Bond, Add</i>	3.67	
			<i>For Curved Wall Application, Add</i>	2.82	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	21.34	
04 22 23 29-0005	SF		8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	17.36	
			<i>For Stacked Bond, Add</i>	3.88	
			<i>For Curved Wall Application, Add</i>	2.98	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	22.55	
04 22 23 29-0006	SF		10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	18.53	
			<i>For Stacked Bond, Add</i>	4.11	
			<i>For Curved Wall Application, Add</i>	3.16	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	23.92	
04 22 23 29-0007	SF		12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	21.74	
			<i>For Stacked Bond, Add</i>	4.97	
			<i>For Curved Wall Application, Add</i>	3.82	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	28.88	
04 22 23 29-0008			Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks (04 22 23 29-0001)		
04 22 23 29-0009	SF		4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block .....	14.82	
			<i>For Stacked Bond, Add</i>	3.26	
			<i>For Grout And Fill With 2 #5 Rebar, Add</i>	8.55	
			<i>For Curved Wall Application, Add</i>	2.51	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	19.00	
04 22 23 29-0010	SF		6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block .....	16.71	
			<i>For Stacked Bond, Add</i>	3.67	
			<i>For Grout And Fill With 2 #5 Rebar, Add</i>	9.65	
			<i>For Curved Wall Application, Add</i>	2.82	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	21.37	
04 22 23 29-0011	SF		8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block .....	17.97	
			<i>For Stacked Bond, Add</i>	3.88	
			<i>For Grout And Fill With 2 #5 Rebar, Add</i>	10.52	
			<i>For Curved Wall Application, Add</i>	2.98	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	22.59	
04 22 23 29-0012	SF		10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block .....	19.21	
			<i>For Stacked Bond, Add</i>	4.11	
			<i>For Grout And Fill With 2 #5 Rebar, Add</i>	11.31	
			<i>For Curved Wall Application, Add</i>	3.16	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	23.97	
04 22 23 29-0013	SF		12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block .....	22.40	
			<i>For Stacked Bond, Add</i>	4.97	
			<i>For Grout And Fill With 2 #5 Rebar, Add</i>	12.84	
			<i>For Curved Wall Application, Add</i>	3.82	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	28.93	
04 22 23 29-0014			Split Rib, Concrete Block (04 22 23 29)		
04 22 23 29-0015			Split Rib, Concrete Block (04 22 23 29-0014)		
04 22 23 29-0016	SF		4" x 8" x 16", Split Rib, Concrete Block .....	14.22	
			<i>For Stacked Bond, Add</i>	3.26	
			<i>For Curved Wall Application, Add</i>	2.51	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	18.95	
04 22 23 29-0017	SF		6" x 8" x 16", Split Rib, Concrete Block .....	16.53	
			<i>For Stacked Bond, Add</i>	3.67	
			<i>For Curved Wall Application, Add</i>	2.82	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	21.36	
04 22 23 29-0018	SF		8" x 8" x 16", Split Rib, Concrete Block .....	17.53	
			<i>For Stacked Bond, Add</i>	3.88	
			<i>For Curved Wall Application, Add</i>	2.98	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	22.56	
04 22 23 29-0019	SF		10" x 8" x 16", Split Rib, Concrete Block .....	18.67	
			<i>For Stacked Bond, Add</i>	4.11	
			<i>For Curved Wall Application, Add</i>	3.16	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	23.93	
04 22 23 29-0020	SF		12" x 8" x 16", Split Rib, Concrete Block .....	22.26	
			<i>For Stacked Bond, Add</i>	4.97	
			<i>For Curved Wall Application, Add</i>	3.82	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	28.92	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**04 22 23 31 Glazed Concrete Masonry Unit (04 22 23)**

04 22 23 31-0001	One Glazed Face, Concrete Blocks (04 22 23 31)		
04 22 23 31-0002	One Glazed Face, Concrete Blocks (04 22 23 31-0001)		
04 22 23 31-0003	SF 4" x 8" x 16", One Glazed Face, Concrete Block ..... <i>For Stacked Bond, Add</i> <i>For Curved Wall Application, Add</i> <i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	20.20 3.16 2.43 18.84	
04 22 23 31-0004	SF 6" x 8" x 16", One Glazed Face, Concrete Block ..... <i>For Stacked Bond, Add</i> <i>For Curved Wall Application, Add</i> <i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	21.81 3.48 2.68 20.72	
04 22 23 31-0005	SF 8" x 8" x 16", One Glazed Face, Concrete Block ..... <i>For Stacked Bond, Add</i> <i>For Curved Wall Application, Add</i> <i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	23.07 3.67 2.82 21.85	
04 22 23 31-0006	SF 10" x 8" x 16", One Glazed Face, Concrete Block ..... <i>For Stacked Bond, Add</i> <i>For Curved Wall Application, Add</i> <i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	24.41 3.88 2.98 23.08	
04 22 23 31-0007	SF 12" x 8" x 16", One Glazed Face, Concrete Block ..... <i>For Stacked Bond, Add</i> <i>For Curved Wall Application, Add</i> <i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	27.96 4.68 3.60 27.75	
04 22 23 31-0008	Two Glazed Faces, Concrete Blocks (04 22 23 31)		
04 22 23 31-0009	Two Glazed Faces, Concrete Blocks (04 22 23 31-0008)		
04 22 23 31-0010	SF 4" x 8" x 16", Two Glazed Faces, Concrete Block ..... <i>For Stacked Bond, Add</i> <i>For Curved Wall Application, Add</i> <i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	25.81 3.61 2.77 21.70	
04 22 23 31-0011	SF 6" x 8" x 16", Two Glazed Faces, Concrete Block ..... <i>For Stacked Bond, Add</i> <i>For Curved Wall Application, Add</i> <i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	27.24 3.88 2.98 23.29	
04 22 23 31-0012	SF 8" x 8" x 16", Two Glazed Faces, Concrete Block ..... <i>For Stacked Bond, Add</i> <i>For Curved Wall Application, Add</i> <i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	29.34 4.28 3.29 25.67	

**04 23 Glass Unit Masonry (04 20)**

**04 23 13 Vertical Glass Unit Masonry (04 23)**

Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.

**04 23 13 00-0001 Glass Block Unit Masonry (04 23 13)**

04 23 13 00-0002	SF 6" x 6" x 4" Plain Glass Block ..... <i>For Solar Reflective (Suntrol) Blocks, Add</i> <i>For Essex (Horizontal Striated) Blocks, Add</i> <i>For Sculptured Or Patterned Blocks, Add</i> <i>For Colored Glass, Add</i> <i>For Thinline Block, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	56.01 8.41 4.80 8.41 24.02 -6.01 -4.39 -7.18	
04 23 13 00-0003	SF 8" x 8" x 4" Plain Glass Block ..... <i>For Solar Reflective (Suntrol) Blocks, Add</i> <i>For Essex (Horizontal Striated) Blocks, Add</i> <i>For Sculptured Or Patterned Blocks, Add</i> <i>For Colored Glass, Add</i> <i>For Thinline Block, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	40.52 5.95 3.40 5.95 17.00 -4.25 -3.19 -5.21	
04 23 13 00-0004	SF 12" x 12" x 4" Plain Glass Block ..... <i>For Solar Reflective (Suntrol) Blocks, Add</i> <i>For Essex (Horizontal Striated) Blocks, Add</i> <i>For Sculptured Or Patterned Blocks, Add</i> <i>For Colored Glass, Add</i> <i>For Thinline Block, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	43.37 7.61 4.35 7.61 21.73 -5.43 -3.24 -5.40	

**04 23 13 00-0005 Solid Glass Block (Vistabrik®) (04 23 13)**

04 23 13 00-0006	SF 3" x 8" x 3" Solid Glass Block (Vistabrik®) .....	435.21	
04 23 13 00-0007	SF 4" x 8" x 3" Solid Glass Block (Vistabrik®) .....	332.99	
04 23 13 00-0008	SF 6" x 8" x 3" Solid Glass Block (Vistabrik®) .....	231.97	
04 23 13 00-0009	SF 8" x 8" x 3" Solid Glass Block (Vistabrik®) .....	162.99	

**04 40 Stone Assemblies (04)**

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

**04 41 Dry-Placed Stone (04 40)**

**04 41 00 00-0001 Ashlar Veneer, Random Size, Square Cut Rough Stone (04 41)**

**04 Masonry**  
**04 40 Stone Assemblies**  
**04 41 Dry-Placed Stone**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 41 00 00-0002	SF		4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone .....	24.99	7.89
04 41 00 00-0003	SF		6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone .....	25.39	7.89
<b>04 42 Exterior Stone Cladding (04 40)</b>					
<b>04 42 43 Stone Panels for Curtain Walls (04 42)</b>					
<b>04 42 43 00-0001 Marble Facing Panels (04 42 43)</b>					
Note: 3' x 1.5'					
04 42 43 00-0002	SF		3/4" Thick Marble Facing Panels .....	59.90	16.43
04 42 43 00-0003	SF		7/8" Thick Marble Facing Panels .....	62.87	16.64
04 42 43 00-0004	SF		1-1/2" Thick Marble Facing Panels .....	71.56	16.96
04 42 43 00-0005	SF		2" Thick Marble Facing Panels .....	78.09	17.49
04 42 43 00-0006	SF		2-1/4" Thick Marble Facing Panels .....	83.17	18.55
04 42 43 00-0007	CF		Marble Face Panel .....	341.99	60.41
<b>04 42 43 00-0008 Smooth Limestone Panels (04 42 43)</b>					
Note: Up to 12' x 5' panels.					
04 42 43 00-0009	SF		1-1/2" Thick Smooth Limestone Panels .....	57.05	32.96
04 42 43 00-0010	SF		2" Thick Smooth Limestone Panels .....	60.49	34.55
04 42 43 00-0011	SF		3" Thick Smooth Limestone Panels .....	64.12	36.14
04 42 43 00-0012	SF		4" Thick Smooth Limestone Panels .....	74.25	39.75
<b>04 42 43 00-0013 Sandstone Panels (04 42 43)</b>					
04 42 43 00-0014	SF		2-1/2" Thick Sandstone Panels .....	65.36	34.55
04 42 43 00-0015	SF		4" Thick Sandstone Panels .....	71.79	39.75
04 42 43 00-0016	SF		Split Face Sandstone Panels, Random Sizes .....	66.03	39.75
<b>04 43 Stone Masonry (04 40)</b>					
<b>04 43 16 Stone Fabrications (04 43)</b>					
<b>04 43 16 00-0001 Marble (04 43 16)</b>					
<b>04 43 16 00-0002 Marble Base (04 43 16 00-0001)</b>					
Note: 1" thick.					
04 43 16 00-0003	LF		4" High Marble Base .....	102.93	68.20
04 43 16 00-0004	LF		6" High Marble Base .....	115.63	74.29
<b>04 43 16 00-0005 Marble Columns (04 43 16 00-0001)</b>					
04 43 16 00-0006	CF		Plain Faced Solid Marble Columns .....	244.98	60.41
04 43 16 00-0007	CF		Fluted, Carved Solid Marble Columns .....	387.52	60.41
<b>04 43 16 00-0008 Marble Flooring (04 43 16 00-0001)</b>					
04 43 16 00-0009	SF		3/8" Uniform Color Marble Flooring .....	27.56	15.61
04 43 16 00-0010	SF		1/2" Uniform Color Marble Flooring .....	29.14	15.61
04 43 16 00-0011	SF		1/2" Travertine Marble Flooring .....	34.62	17.83
<b>04 43 16 00-0012 Marble Items (04 43 16 00-0001)</b>					
04 43 16 00-0013	LF		12" Wide Marble Stair Treads .....	67.05	24.66
04 43 16 00-0014	LF		6" Wide Marble Stair Risers .....	51.41	19.77
04 43 16 00-0015	LF		6" Wide x 2" Thick Marble Window Sills .....	31.80	14.60
04 43 16 00-0016	LF		5" Wide x 7/8" Thick Marble Window Stool, Polished .....	57.90	17.92
04 43 16 00-0017	SF		7/8" Thick, Non Skid, Marble Patio Blocks .....	37.48	22.63
<b>04 43 16 00-0018 Limestone (04 43 16)</b>					
<b>04 43 16 00-0019 Ashlar Veneer Limestone (04 43 16 00-0018)</b>					
04 43 16 00-0020	SF		4" Ashlar Veneer Limestone, Random Sizes .....	58.78	24.66
04 43 16 00-0021	SF		6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes .....	89.04	33.88
<b>04 43 16 00-0022 Limestone Coping (04 43 16 00-0018)</b>					
Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.					
04 43 16 00-0023	SF		2-1/2" Thick Limestone Coping .....	28.07	8.48
04 43 16 00-0024	SF		3" Thick Limestone Coping .....	31.36	9.01
04 43 16 00-0025	SF		3-1/2" Thick Limestone Coping .....	34.64	9.54
04 43 16 00-0026	SF		4" Thick Limestone Coping .....	36.86	9.86
04 43 16 00-0027	SF		5" Thick Limestone Coping .....	42.36	10.07
04 43 16 00-0028	SF		6" Thick Limestone Coping .....	60.95	10.60
04 43 16 00-0029	CF		>6" Thick Limestone Coping .....	101.32	22.17
<b>04 43 16 00-0030 Limestone Stair Treads (04 43 16 00-0018)</b>					
04 43 16 00-0031	SF		2" Thick Limestone Treads .....	33.88	7.95
04 43 16 00-0032	SF		2-1/2" Thick Limestone Treads .....	35.99	8.48
04 43 16 00-0033	SF		3" Thick Limestone Treads .....	40.23	9.01

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 43 16 00-0034	SF		3-1/2" Thick Limestone Treads .....	43.40	9.54
04 43 16 00-0035	SF		4" Thick Limestone Treads .....	46.57	9.54
04 43 16 00-0036	SF		5" Thick Limestone Treads .....	50.80	10.07
04 43 16 00-0037	SF		6" Thick Limestone Tread, Smooth Finish .....	69.56	10.60

<b>04 43 16 00-0038</b>			<b>Limestone Items</b> (04 43 16 00-0018)		
04 43 16 00-0039	CF		Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim .....	179.66	83.16

<b>04 43 16 00-0040</b>			<b>Granite</b> (04 43 16)		
<b>04 43 16 00-0041</b>			<b>Polished Granite Veneer Facing Panels</b> (04 43 16 00-0040)		
			Note: Excludes structural support steel.		
04 43 16 00-0042	SF		7/8" Thick Black Polished Granite Veneer Facing Panels .....	95.08	33.18
04 43 16 00-0043	SF		7/8" Thick Gray Polished Granite Veneer Facing Panels .....	87.03	33.18

<b>04 43 16 00-0044</b>			<b>Granite Stair Treads</b> (04 43 16 00-0040)		
04 43 16 00-0045	SF		2" Thick Granite Stair Tread .....	55.45	7.95

<b>04 43 16 00-0046</b>			<b>Slate</b> (04 43 16)		
<b>04 43 16 00-0047</b>			<b>Slate Panels Or Sills</b> (04 43 16 00-0046)		
04 43 16 00-0048	SF		1" Thick Slate Panels .....	58.83	33.18
04 43 16 00-0049	SF		2" Thick Slate Panels .....	68.31	33.18

<b>04 43 16 00-0050</b>			<b>Slate Sills Or Stools</b> (04 43 16 00-0046)		
04 43 16 00-0051	LF		6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish .....	27.34	14.69
04 43 16 00-0052	LF		10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish .....	33.36	14.69
04 43 16 00-0053	LF		6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish .....	32.51	14.69
04 43 16 00-0054	LF		10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish .....	45.43	14.69

<b>04 43 16 00-0055</b>			<b>Slate Stair Treads</b> (04 43 16 00-0046)		
04 43 16 00-0056	SF		2" Thick Slate Stair Tread .....	39.74	7.95

**04 50 Refractory Masonry** (04)

**04 51 Flue Liner Masonry** (04 50)

Note: Includes mortar joints.

<b>04 51 00 00-0001</b>			<b>Rectangular Flue Liners</b> (04 51)		
04 51 00 00-0002	VLF		4" x 8" Clay Flue Liners .....	18.73	
04 51 00 00-0003	VLF		8" x 8" Clay Flue Liners .....	25.77	
04 51 00 00-0004	VLF		8" x 12" Clay Flue Liners .....	29.40	
04 51 00 00-0005	VLF		12" x 12" Clay Flue Liners .....	36.58	
04 51 00 00-0006	VLF		12" x 16" Clay Flue Liners .....	44.60	
04 51 00 00-0007	VLF		12" x 18" Clay Flue Liners .....	50.68	
04 51 00 00-0008	VLF		16" x 16" Clay Flue Liners .....	55.28	
04 51 00 00-0009	VLF		16" x 20" Clay Flue Liners .....	68.14	
04 51 00 00-0010	VLF		18" x 18" Clay Flue Liners .....	72.80	
04 51 00 00-0011	VLF		20" x 20" Clay Flue Liners .....	93.73	
04 51 00 00-0012	VLF		20" x 24" Clay Flue Liners .....	102.09	
04 51 00 00-0013	VLF		24" x 24" Clay Flue Liners .....	121.02	

<b>04 51 00 00-0014</b>			<b>Round Flue Liners</b> (04 51)		
04 51 00 00-0015	VLF		6" Diameter Clay Flue Liners .....	45.59	
04 51 00 00-0016	VLF		8" Diameter Clay Flue Liners .....	66.20	
04 51 00 00-0017	VLF		10" Diameter Clay Flue Liners .....	87.01	
04 51 00 00-0018	VLF		12" Diameter Clay Flue Liners .....	105.93	
04 51 00 00-0019	VLF		15" Diameter Clay Flue Liners .....	129.86	
04 51 00 00-0020	VLF		18" Diameter Clay Flue Liners .....	140.36	
04 51 00 00-0021	VLF		21" Diameter Clay Flue Liners .....	179.04	
04 51 00 00-0022	VLF		24" Diameter Clay Flue Liners .....	219.82	
04 51 00 00-0023	VLF		27" Diameter Clay Flue Liners .....	253.66	
04 51 00 00-0024	VLF		30" Diameter Clay Flue Liners .....	288.52	
04 51 00 00-0025	VLF		33" Diameter Clay Flue Liners .....	302.66	
04 51 00 00-0026	VLF		36" Diameter Clay Flue Liners .....	308.19	

<b>04 51 00 00-0027</b>			<b>Standard Chimney Block</b> (04 51)		
			Note: Includes refractory mortar. Excludes flue liners.		
04 51 00 00-0028	EA		14" x 14" x 8" Concrete Block Chimney Unit .....	28.53	
04 51 00 00-0029	EA		14" x 18" x 8" Concrete Block Chimney Unit .....	30.90	
04 51 00 00-0030	EA		16" x 16" x 8" Concrete Block Chimney Unit .....	31.11	
04 51 00 00-0031	EA		17" x 17" x 8" Concrete Block Chimney Unit .....	32.60	
04 51 00 00-0032	EA		16" x 20" x 8" Concrete Block Chimney Unit .....	34.23	
04 51 00 00-0033	EA		17" x 21" x 8" Concrete Block Chimney Unit .....	35.97	
04 51 00 00-0034	EA		21" x 21" x 8" Concrete Block Chimney Unit .....	40.48	

<b>04</b>	<b>04</b>	<b>Masonry</b>
	<b>04 50</b>	<b>Refractory Masonry</b>
	<b>04 51</b>	<b>Flue Liner Masonry</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 70 Manufactured Masonry <sup>(04)</sup>

04 72 Cast Stone Masonry <sup>(04 70)</sup>

04 72 00 00-0001 Precast Concrete Lintels <sup>(04 72)</sup>

04 72 00 00-0002 Solid Precast Concrete Lintels <sup>(04 72 00 00-0001)</sup>

04 72 00 00-0003	LF	4" x 8", Solid Precast Concrete Lintel.....	14.95	
04 72 00 00-0004	LF	6" x 8", Solid Precast Concrete Lintel.....	18.54	
04 72 00 00-0005	LF	8" x 8", Solid Precast Concrete Lintel.....	22.55	

04 72 00 00-0006 U Shaped Precast Concrete Lintels <sup>(04 72 00 00-0001)</sup>

Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.

04 72 00 00-0007	LF	6" x 8", U Shaped Precast Concrete Lintel.....	16.00	
04 72 00 00-0008	LF	8" x 8", U Shaped Precast Concrete Lintel.....	19.11	
04 72 00 00-0009	LF	12" x 8", U Shaped Precast Concrete Lintel.....	29.95	

04 72 00 00-0010 Precast Concrete Coping <sup>(04 72)</sup>

Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.

04 72 00 00-0011 Precast Concrete Coping <sup>(04 72 00 00-0010)</sup>

Note: Measured at highest point.

04 72 00 00-0012	SF	2" Thick Precast Concrete Coping .....	39.69	12.02
04 72 00 00-0013	SF	2-1/2" Thick Precast Concrete Coping .....	42.92	12.94
04 72 00 00-0014	SF	3" Thick Precast Concrete Coping .....	48.65	13.86
04 72 00 00-0015	SF	3-1/2" Thick Precast Concrete Coping .....	51.16	14.79
04 72 00 00-0016	SF	4" Thick Precast Concrete Coping .....	53.69	15.71
04 72 00 00-0017	SF	5" Thick Precast Concrete Coping .....	61.98	16.64
04 72 00 00-0018	SF	6" Thick Precast Concrete Coping .....	68.82	17.56

04 72 00 00-0019 Precast Concrete Window Sills <sup>(04 72)</sup>

Note: Includes caulk and ties.

04 72 00 00-0020 Precast Concrete Window Sills <sup>(04 72 00 00-0019)</sup>

04 72 00 00-0021	LF	6" Wide Precast Concrete Window Sill.....	28.14	9.24
04 72 00 00-0022	LF	10" Wide Precast Concrete Window Sill.....	37.98	9.24
04 72 00 00-0023	LF	14" Wide Precast Concrete Window Sill.....	43.02	9.24

**END OF SECTION 04**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 Metals

05 05 Common Work Results for Metals<sup>(05)</sup>

05 05 19 Post-Installed Concrete Anchors<sup>(05 05)</sup>

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001 Concrete And Masonry Anchors<sup>(05 05 19)</sup>

05 05 19 00-0002 Expansion Anchors<sup>(05 05 19 00-0001)</sup>

Note: Includes drilling.

05 05 19 00-0003 Wedge Expansion Bolt Anchors<sup>(05 05 19 00-0002)</sup>

05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt<sup>(05 05 19 00-0003)</sup>

Note: Includes nut and washer.

05 05 19 00-0005	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	11.03	
		For >10 To 50, Deduct	-0.52	
		For >50 To 100, Deduct	-1.05	
		For >100, Deduct	-2.10	
05 05 19 00-0006	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	11.14	
		For >10 To 50, Deduct	-0.52	
		For >50 To 100, Deduct	-1.05	
		For >100, Deduct	-2.11	
05 05 19 00-0007	EA	1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	11.49	
		For >10 To 50, Deduct	-0.53	
		For >50 To 100, Deduct	-1.08	
		For >100, Deduct	-2.17	
05 05 19 00-0008	EA	3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	13.55	
		For >10 To 50, Deduct	-0.63	
		For >50 To 100, Deduct	-1.28	
		For >100, Deduct	-2.57	
05 05 19 00-0009	EA	3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	13.63	
		For >10 To 50, Deduct	-0.63	
		For >50 To 100, Deduct	-1.29	
		For >100, Deduct	-2.57	
05 05 19 00-0010	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	13.66	
		For >10 To 50, Deduct	-0.63	
		For >50 To 100, Deduct	-1.29	
		For >100, Deduct	-2.57	
05 05 19 00-0011	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	13.97	
		For >10 To 50, Deduct	-0.63	
		For >50 To 100, Deduct	-1.29	
		For >100, Deduct	-2.59	
05 05 19 00-0012	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	19.65	
		For >10 To 50, Deduct	-0.90	
		For >50 To 100, Deduct	-1.83	
		For >100, Deduct	-3.67	
05 05 19 00-0013	EA	1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	19.71	
		For >10 To 50, Deduct	-0.90	
		For >50 To 100, Deduct	-1.84	
		For >100, Deduct	-3.67	
05 05 19 00-0014	EA	1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	19.84	
		For >10 To 50, Deduct	-0.90	
		For >50 To 100, Deduct	-1.84	
		For >100, Deduct	-3.68	
05 05 19 00-0015	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	20.19	
		For >10 To 50, Deduct	-0.90	
		For >50 To 100, Deduct	-1.85	
		For >100, Deduct	-3.70	
05 05 19 00-0016	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	20.66	
		For >10 To 50, Deduct	-0.90	
		For >50 To 100, Deduct	-1.86	
		For >100, Deduct	-3.72	
05 05 19 00-0017	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	25.60	
		For >10 To 50, Deduct	-1.10	
		For >50 To 100, Deduct	-2.30	
		For >100, Deduct	-4.59	
05 05 19 00-0018	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	25.70	
		For >10 To 50, Deduct	-1.10	
		For >50 To 100, Deduct	-2.30	
		For >100, Deduct	-4.60	
05 05 19 00-0019	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	25.92	
		For >10 To 50, Deduct	-1.10	
		For >50 To 100, Deduct	-2.30	
		For >100, Deduct	-4.61	
05 05 19 00-0020	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	26.34	
		For >10 To 50, Deduct	-1.10	
		For >50 To 100, Deduct	-2.32	
		For >100, Deduct	-4.63	
05 05 19 00-0021	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	26.76	
		For >10 To 50, Deduct	-1.10	
		For >50 To 100, Deduct	-2.33	
		For >100, Deduct	-4.65	
05 05 19 00-0022	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	30.10	
		For >10 To 50, Deduct	-1.10	
		For >50 To 100, Deduct	-2.41	
		For >100, Deduct	-4.82	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 19 00-0023	EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	32.97	
	For >10 To 50, Deduct	-1.10	
	For >50 To 100, Deduct	-2.48	
	For >100, Deduct	-4.96	
05 05 19 00-0024	EA 3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	30.92	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-2.74	
	For >100, Deduct	-5.49	
05 05 19 00-0025	EA 3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	31.01	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-2.75	
	For >100, Deduct	-5.49	
05 05 19 00-0026	EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	31.52	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-2.76	
	For >100, Deduct	-5.52	
05 05 19 00-0027	EA 3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	32.14	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-2.78	
	For >100, Deduct	-5.55	
05 05 19 00-0028	EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	32.84	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-2.79	
	For >100, Deduct	-5.59	
05 05 19 00-0029	EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	35.52	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-2.86	
	For >100, Deduct	-5.72	
05 05 19 00-0030	EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	39.08	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-2.95	
	For >100, Deduct	-5.90	
05 05 19 00-0031	EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	43.09	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-3.05	
	For >100, Deduct	-6.10	
05 05 19 00-0032	EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	41.79	
	For >10 To 50, Deduct	-1.43	
	For >50 To 100, Deduct	-3.19	
	For >100, Deduct	-6.37	
05 05 19 00-0033	EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	43.89	
	For >10 To 50, Deduct	-1.43	
	For >50 To 100, Deduct	-3.24	
	For >100, Deduct	-6.47	
05 05 19 00-0034	EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	46.69	
	For >10 To 50, Deduct	-1.43	
	For >50 To 100, Deduct	-3.31	
	For >100, Deduct	-6.61	
05 05 19 00-0035	EA 1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	51.65	
	For >10 To 50, Deduct	-1.85	
	For >50 To 100, Deduct	-4.06	
	For >100, Deduct	-8.12	
05 05 19 00-0036	EA 1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	55.63	
	For >10 To 50, Deduct	-1.85	
	For >50 To 100, Deduct	-4.16	
	For >100, Deduct	-8.32	
05 05 19 00-0037	EA 1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	59.57	
	For >10 To 50, Deduct	-1.85	
	For >50 To 100, Deduct	-4.26	
	For >100, Deduct	-8.52	
05 05 19 00-0038	EA 1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	67.33	
	For >10 To 50, Deduct	-2.36	
	For >50 To 100, Deduct	-5.23	
	For >100, Deduct	-10.46	
05 05 19 00-0039	EA 1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	70.18	
	For >10 To 50, Deduct	-2.36	
	For >50 To 100, Deduct	-5.30	
	For >100, Deduct	-10.60	
05 05 19 00-0040	304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
	Note: Includes nut and washer.		
05 05 19 00-0041	EA 1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.08	
	For >10 To 50, Deduct	-0.52	
	For >50 To 100, Deduct	-1.08	
	For >100, Deduct	-2.16	
05 05 19 00-0042	EA 1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.49	
	For >10 To 50, Deduct	-0.52	
	For >50 To 100, Deduct	-1.09	
	For >100, Deduct	-2.18	
05 05 19 00-0043	EA 1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.01	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.12	
	For >100, Deduct	-2.25	
05 05 19 00-0044	EA 3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.50	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.33	
	For >100, Deduct	-2.66	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0045	EA	3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.85	
		<i>For &gt;10 To 50, Deduct</i>	-0.63	
		<i>For &gt;50 To 100, Deduct</i>	-1.34	
		<i>For &gt;100, Deduct</i>	-2.68	
05 05 19 00-0046	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.10	
		<i>For &gt;10 To 50, Deduct</i>	-0.63	
		<i>For &gt;50 To 100, Deduct</i>	-1.35	
		<i>For &gt;100, Deduct</i>	-2.69	
05 05 19 00-0047	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.98	
		<i>For &gt;10 To 50, Deduct</i>	-0.63	
		<i>For &gt;50 To 100, Deduct</i>	-1.39	
		<i>For &gt;100, Deduct</i>	-2.79	
05 05 19 00-0048	EA	1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	24.01	
		<i>For &gt;10 To 50, Deduct</i>	-0.90	
		<i>For &gt;50 To 100, Deduct</i>	-1.94	
		<i>For &gt;100, Deduct</i>	-3.89	
05 05 19 00-0049	EA	1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	24.66	
		<i>For &gt;10 To 50, Deduct</i>	-0.90	
		<i>For &gt;50 To 100, Deduct</i>	-1.96	
		<i>For &gt;100, Deduct</i>	-3.92	
05 05 19 00-0050	EA	1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	25.04	
		<i>For &gt;10 To 50, Deduct</i>	-0.90	
		<i>For &gt;50 To 100, Deduct</i>	-1.97	
		<i>For &gt;100, Deduct</i>	-3.94	
05 05 19 00-0051	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	26.76	
		<i>For &gt;10 To 50, Deduct</i>	-0.90	
		<i>For &gt;50 To 100, Deduct</i>	-2.01	
		<i>For &gt;100, Deduct</i>	-4.02	
05 05 19 00-0052	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	29.34	
		<i>For &gt;10 To 50, Deduct</i>	-0.90	
		<i>For &gt;50 To 100, Deduct</i>	-2.08	
		<i>For &gt;100, Deduct</i>	-4.15	
05 05 19 00-0053	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	34.46	
		<i>For &gt;10 To 50, Deduct</i>	-1.10	
		<i>For &gt;50 To 100, Deduct</i>	-2.52	
		<i>For &gt;100, Deduct</i>	-5.04	
05 05 19 00-0054	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	36.14	
		<i>For &gt;10 To 50, Deduct</i>	-1.10	
		<i>For &gt;50 To 100, Deduct</i>	-2.56	
		<i>For &gt;100, Deduct</i>	-5.12	
05 05 19 00-0055	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	37.95	
		<i>For &gt;10 To 50, Deduct</i>	-1.10	
		<i>For &gt;50 To 100, Deduct</i>	-2.61	
		<i>For &gt;100, Deduct</i>	-5.21	
05 05 19 00-0056	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	40.37	
		<i>For &gt;10 To 50, Deduct</i>	-1.10	
		<i>For &gt;50 To 100, Deduct</i>	-2.67	
		<i>For &gt;100, Deduct</i>	-5.33	
05 05 19 00-0057	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	50.96	
		<i>For &gt;10 To 50, Deduct</i>	-1.10	
		<i>For &gt;50 To 100, Deduct</i>	-2.93	
		<i>For &gt;100, Deduct</i>	-5.86	
05 05 19 00-0058	EA	3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	41.14	
		<i>For &gt;10 To 50, Deduct</i>	-1.31	
		<i>For &gt;50 To 100, Deduct</i>	-3.00	
		<i>For &gt;100, Deduct</i>	-6.00	
05 05 19 00-0059	EA	3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	44.55	
		<i>For &gt;10 To 50, Deduct</i>	-1.31	
		<i>For &gt;50 To 100, Deduct</i>	-3.09	
		<i>For &gt;100, Deduct</i>	-6.17	
05 05 19 00-0060	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	47.46	
		<i>For &gt;10 To 50, Deduct</i>	-1.31	
		<i>For &gt;50 To 100, Deduct</i>	-3.16	
		<i>For &gt;100, Deduct</i>	-6.32	
05 05 19 00-0061	EA	3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	47.82	
		<i>For &gt;10 To 50, Deduct</i>	-1.31	
		<i>For &gt;50 To 100, Deduct</i>	-3.17	
		<i>For &gt;100, Deduct</i>	-6.33	
05 05 19 00-0062	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	50.56	
		<i>For &gt;10 To 50, Deduct</i>	-1.31	
		<i>For &gt;50 To 100, Deduct</i>	-3.24	
		<i>For &gt;100, Deduct</i>	-6.47	
05 05 19 00-0063	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	57.65	
		<i>For &gt;10 To 50, Deduct</i>	-1.31	
		<i>For &gt;50 To 100, Deduct</i>	-3.41	
		<i>For &gt;100, Deduct</i>	-6.83	
05 05 19 00-0064	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	67.67	
		<i>For &gt;10 To 50, Deduct</i>	-1.31	
		<i>For &gt;50 To 100, Deduct</i>	-3.66	
		<i>For &gt;100, Deduct</i>	-7.33	
05 05 19 00-0065	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	68.05	
		<i>For &gt;10 To 50, Deduct</i>	-1.43	
		<i>For &gt;50 To 100, Deduct</i>	-3.84	
		<i>For &gt;100, Deduct</i>	-7.68	
05 05 19 00-0066	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	98.90	
		<i>For &gt;10 To 50, Deduct</i>	-1.85	
		<i>For &gt;50 To 100, Deduct</i>	-5.24	
		<i>For &gt;100, Deduct</i>	-10.48	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0067	EA		1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt .....	113.71	
			<i>For &gt;10 To 50, Deduct</i>	-1.85	
			<i>For &gt;50 To 100, Deduct</i>	-5.61	
			<i>For &gt;100, Deduct</i>	-11.22	
<b>05 05 19 00-0068</b>			<b>316 Stainless Steel, Wedge Anchor Expansion Bolt</b> <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0069	EA		1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt .....	12.43	
			<i>For &gt;10 To 50, Deduct</i>	-0.52	
			<i>For &gt;50 To 100, Deduct</i>	-1.09	
			<i>For &gt;100, Deduct</i>	-2.17	
05 05 19 00-0070	EA		1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt .....	13.17	
			<i>For &gt;10 To 50, Deduct</i>	-0.53	
			<i>For &gt;50 To 100, Deduct</i>	-1.13	
			<i>For &gt;100, Deduct</i>	-2.25	
05 05 19 00-0071	EA		3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt .....	16.63	
			<i>For &gt;10 To 50, Deduct</i>	-0.63	
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100, Deduct</i>	-2.72	
05 05 19 00-0072	EA		3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt .....	17.22	
			<i>For &gt;10 To 50, Deduct</i>	-0.63	
			<i>For &gt;50 To 100, Deduct</i>	-1.37	
			<i>For &gt;100, Deduct</i>	-2.75	
05 05 19 00-0073	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt .....	17.37	
			<i>For &gt;10 To 50, Deduct</i>	-0.63	
			<i>For &gt;50 To 100, Deduct</i>	-1.38	
			<i>For &gt;100, Deduct</i>	-2.76	
05 05 19 00-0074	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt .....	20.22	
			<i>For &gt;10 To 50, Deduct</i>	-0.63	
			<i>For &gt;50 To 100, Deduct</i>	-1.45	
			<i>For &gt;100, Deduct</i>	-2.90	
05 05 19 00-0075	EA		1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt .....	26.73	
			<i>For &gt;10 To 50, Deduct</i>	-0.90	
			<i>For &gt;50 To 100, Deduct</i>	-2.01	
			<i>For &gt;100, Deduct</i>	-4.02	
05 05 19 00-0076	EA		1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt .....	28.38	
			<i>For &gt;10 To 50, Deduct</i>	-0.90	
			<i>For &gt;50 To 100, Deduct</i>	-2.05	
			<i>For &gt;100, Deduct</i>	-4.11	
05 05 19 00-0077	EA		1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt .....	31.37	
			<i>For &gt;10 To 50, Deduct</i>	-0.90	
			<i>For &gt;50 To 100, Deduct</i>	-2.13	
			<i>For &gt;100, Deduct</i>	-4.26	
05 05 19 00-0078	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt .....	32.12	
			<i>For &gt;10 To 50, Deduct</i>	-0.90	
			<i>For &gt;50 To 100, Deduct</i>	-2.15	
			<i>For &gt;100, Deduct</i>	-4.29	
05 05 19 00-0079	EA		5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt .....	43.64	
			<i>For &gt;10 To 50, Deduct</i>	-1.10	
			<i>For &gt;50 To 100, Deduct</i>	-2.75	
			<i>For &gt;100, Deduct</i>	-5.50	
05 05 19 00-0080	EA		5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt .....	44.54	
			<i>For &gt;10 To 50, Deduct</i>	-1.10	
			<i>For &gt;50 To 100, Deduct</i>	-2.77	
			<i>For &gt;100, Deduct</i>	-5.54	
05 05 19 00-0081	EA		3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt .....	53.98	
			<i>For &gt;10 To 50, Deduct</i>	-1.31	
			<i>For &gt;50 To 100, Deduct</i>	-3.32	
			<i>For &gt;100, Deduct</i>	-6.64	
05 05 19 00-0082	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt .....	57.72	
			<i>For &gt;10 To 50, Deduct</i>	-1.31	
			<i>For &gt;50 To 100, Deduct</i>	-3.41	
			<i>For &gt;100, Deduct</i>	-6.83	
<b>05 05 19 00-0083</b>			<b>Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt</b> <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0084	EA		1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt .....	22.96	
			<i>For &gt;10 To 50, Deduct</i>	-0.90	
			<i>For &gt;50 To 100, Deduct</i>	-1.92	
			<i>For &gt;100, Deduct</i>	-3.83	
05 05 19 00-0085	EA		1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt .....	24.29	
			<i>For &gt;10 To 50, Deduct</i>	-0.90	
			<i>For &gt;50 To 100, Deduct</i>	-1.95	
			<i>For &gt;100, Deduct</i>	-3.90	
05 05 19 00-0086	EA		1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt .....	25.62	
			<i>For &gt;10 To 50, Deduct</i>	-0.90	
			<i>For &gt;50 To 100, Deduct</i>	-1.98	
			<i>For &gt;100, Deduct</i>	-3.97	
05 05 19 00-0087	EA		1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt .....	26.29	
			<i>For &gt;10 To 50, Deduct</i>	-0.90	
			<i>For &gt;50 To 100, Deduct</i>	-2.00	
			<i>For &gt;100, Deduct</i>	-4.00	
05 05 19 00-0088	EA		5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt .....	31.67	
			<i>For &gt;10 To 50, Deduct</i>	-1.10	
			<i>For &gt;50 To 100, Deduct</i>	-2.45	
			<i>For &gt;100, Deduct</i>	-4.90	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0089	EA		5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	30.07	
			<i>For &gt;10 To 50, Deduct</i>	-1.10	
			<i>For &gt;50 To 100, Deduct</i>	-2.41	
			<i>For &gt;100, Deduct</i>	-4.82	
05 05 19 00-0090	EA		3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	41.20	
			<i>For &gt;10 To 50, Deduct</i>	-1.31	
			<i>For &gt;50 To 100, Deduct</i>	-3.00	
			<i>For &gt;100, Deduct</i>	-6.00	
05 05 19 00-0091	EA		3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	42.66	
			<i>For &gt;10 To 50, Deduct</i>	-1.31	
			<i>For &gt;50 To 100, Deduct</i>	-3.04	
			<i>For &gt;100, Deduct</i>	-6.08	
05 05 19 00-0092	EA		3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	49.86	
			<i>For &gt;10 To 50, Deduct</i>	-1.31	
			<i>For &gt;50 To 100, Deduct</i>	-3.22	
			<i>For &gt;100, Deduct</i>	-6.44	
05 05 19 00-0093	EA		1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	52.26	
			<i>For &gt;10 To 50, Deduct</i>	-1.85	
			<i>For &gt;50 To 100, Deduct</i>	-4.08	
			<i>For &gt;100, Deduct</i>	-8.15	
05 05 19 00-0094	EA		1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	56.40	
			<i>For &gt;10 To 50, Deduct</i>	-1.85	
			<i>For &gt;50 To 100, Deduct</i>	-4.18	
			<i>For &gt;100, Deduct</i>	-8.36	
05 05 19 00-0095	EA		1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	60.50	
			<i>For &gt;10 To 50, Deduct</i>	-1.85	
			<i>For &gt;50 To 100, Deduct</i>	-4.28	
			<i>For &gt;100, Deduct</i>	-8.56	
05 05 19 00-0096			Concrete Sleeve Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0097			Zinc Plated Steel, Concrete Sleeve Anchors <small>(05 05 19 00-0096)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0098	EA		1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	11.08	
			<i>For &gt;10 To 50, Deduct</i>	-0.53	
			<i>For &gt;50 To 100, Deduct</i>	-1.07	
			<i>For &gt;100, Deduct</i>	-2.14	
05 05 19 00-0099	EA		1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	11.23	
			<i>For &gt;10 To 50, Deduct</i>	-0.53	
			<i>For &gt;50 To 100, Deduct</i>	-1.07	
			<i>For &gt;100, Deduct</i>	-2.15	
05 05 19 00-0100	EA		1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	11.42	
			<i>For &gt;10 To 50, Deduct</i>	-0.53	
			<i>For &gt;50 To 100, Deduct</i>	-1.08	
			<i>For &gt;100, Deduct</i>	-2.16	
05 05 19 00-0101	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	11.68	
			<i>For &gt;10 To 50, Deduct</i>	-0.56	
			<i>For &gt;50 To 100, Deduct</i>	-1.13	
			<i>For &gt;100, Deduct</i>	-2.25	
05 05 19 00-0102	EA		5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	11.82	
			<i>For &gt;10 To 50, Deduct</i>	-0.56	
			<i>For &gt;50 To 100, Deduct</i>	-1.13	
			<i>For &gt;100, Deduct</i>	-2.26	
05 05 19 00-0103	EA		3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	13.23	
			<i>For &gt;10 To 50, Deduct</i>	-0.63	
			<i>For &gt;50 To 100, Deduct</i>	-1.27	
			<i>For &gt;100, Deduct</i>	-2.55	
05 05 19 00-0104	EA		3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	13.49	
			<i>For &gt;10 To 50, Deduct</i>	-0.63	
			<i>For &gt;50 To 100, Deduct</i>	-1.28	
			<i>For &gt;100, Deduct</i>	-2.56	
05 05 19 00-0105	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	13.73	
			<i>For &gt;10 To 50, Deduct</i>	-0.63	
			<i>For &gt;50 To 100, Deduct</i>	-1.29	
			<i>For &gt;100, Deduct</i>	-2.57	
05 05 19 00-0106	EA		1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	19.07	
			<i>For &gt;10 To 50, Deduct</i>	-0.89	
			<i>For &gt;50 To 100, Deduct</i>	-1.82	
			<i>For &gt;100, Deduct</i>	-3.64	
05 05 19 00-0107	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	19.39	
			<i>For &gt;10 To 50, Deduct</i>	-0.89	
			<i>For &gt;50 To 100, Deduct</i>	-1.83	
			<i>For &gt;100, Deduct</i>	-3.65	
05 05 19 00-0108	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	19.67	
			<i>For &gt;10 To 50, Deduct</i>	-0.89	
			<i>For &gt;50 To 100, Deduct</i>	-1.83	
			<i>For &gt;100, Deduct</i>	-3.67	
05 05 19 00-0109	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	20.00	
			<i>For &gt;10 To 50, Deduct</i>	-0.89	
			<i>For &gt;50 To 100, Deduct</i>	-1.84	
			<i>For &gt;100, Deduct</i>	-3.68	
05 05 19 00-0110	EA		5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	23.93	
			<i>For &gt;10 To 50, Deduct</i>	-1.10	
			<i>For &gt;50 To 100, Deduct</i>	-2.26	
			<i>For &gt;100, Deduct</i>	-4.51	
05 05 19 00-0111	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	24.42	
			<i>For &gt;10 To 50, Deduct</i>	-1.10	
			<i>For &gt;50 To 100, Deduct</i>	-2.27	
			<i>For &gt;100, Deduct</i>	-4.53	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 19 00-0112	EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	24.79	
	For >10 To 50, Deduct	-1.10	
	For >50 To 100, Deduct	-2.28	
	For >100, Deduct	-4.55	
05 05 19 00-0113	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	25.84	
	For >10 To 50, Deduct	-1.10	
	For >50 To 100, Deduct	-2.30	
	For >100, Deduct	-4.61	
05 05 19 00-0114	EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	29.36	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-2.71	
	For >100, Deduct	-5.41	
05 05 19 00-0115	EA 3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	30.27	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-2.73	
	For >100, Deduct	-5.46	
05 05 19 00-0116	EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	31.09	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-2.75	
	For >100, Deduct	-5.50	
05 05 19 00-0117	EA 3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	32.39	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-2.78	
	For >100, Deduct	-5.56	
<b>05 05 19 00-0118</b>	<b>304/18-8 Stainless Steel, Concrete Sleeve Anchors</b> <small>(05 05 19 00-0096)</small>		
	Note: Includes nut and washer.		
05 05 19 00-0119	EA 1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	12.73	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.11	
	For >100, Deduct	-2.22	
05 05 19 00-0120	EA 3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	16.60	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.36	
	For >100, Deduct	-2.72	
05 05 19 00-0121	EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	18.20	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.40	
	For >100, Deduct	-2.80	
05 05 19 00-0122	EA 1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	24.70	
	For >10 To 50, Deduct	-0.89	
	For >50 To 100, Deduct	-1.96	
	For >100, Deduct	-3.92	
05 05 19 00-0123	EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	27.57	
	For >10 To 50, Deduct	-0.89	
	For >50 To 100, Deduct	-2.03	
	For >100, Deduct	-4.06	
05 05 19 00-0124	EA 5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	37.69	
	For >10 To 50, Deduct	-1.10	
	For >50 To 100, Deduct	-2.60	
	For >100, Deduct	-5.20	
<b>05 05 19 00-0125</b>	<b>Concrete Strike Anchors</b> <small>(05 05 19 00-0002)</small>		
	Note: Includes nut and washer.		
05 05 19 00-0126	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor .....	11.82	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.09	
	For >100, Deduct	-2.18	
05 05 19 00-0127	EA 1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor .....	12.08	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.10	
	For >100, Deduct	-2.19	
05 05 19 00-0128	EA 5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor .....	12.59	
	For >10 To 50, Deduct	-0.56	
	For >50 To 100, Deduct	-1.15	
	For >100, Deduct	-2.30	
05 05 19 00-0129	EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor .....	13.66	
	For >10 To 50, Deduct	-0.56	
	For >50 To 100, Deduct	-1.17	
	For >100, Deduct	-2.35	
05 05 19 00-0130	EA 3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor .....	14.38	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.30	
	For >100, Deduct	-2.61	
05 05 19 00-0131	EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor .....	15.18	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.32	
	For >100, Deduct	-2.65	
05 05 19 00-0132	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor .....	15.79	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.34	
	For >100, Deduct	-2.68	
05 05 19 00-0133	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor .....	21.04	
	For >10 To 50, Deduct	-0.89	
	For >50 To 100, Deduct	-1.87	
	For >100, Deduct	-3.73	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0134	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor .....	21.51	
		<i>For &gt;10 To 50, Deduct</i>	-0.89	
		<i>For &gt;50 To 100, Deduct</i>	-1.88	
		<i>For &gt;100, Deduct</i>	-3.76	
05 05 19 00-0135	EA	1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor .....	22.91	
		<i>For &gt;10 To 50, Deduct</i>	-0.89	
		<i>For &gt;50 To 100, Deduct</i>	-1.91	
		<i>For &gt;100, Deduct</i>	-3.83	
05 05 19 00-0136	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor .....	24.71	
		<i>For &gt;10 To 50, Deduct</i>	-0.89	
		<i>For &gt;50 To 100, Deduct</i>	-1.96	
		<i>For &gt;100, Deduct</i>	-3.92	
05 05 19 00-0137	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor .....	28.12	
		<i>For &gt;10 To 50, Deduct</i>	-1.10	
		<i>For &gt;50 To 100, Deduct</i>	-2.36	
		<i>For &gt;100, Deduct</i>	-4.72	
05 05 19 00-0138	EA	5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor .....	29.78	
		<i>For &gt;10 To 50, Deduct</i>	-1.10	
		<i>For &gt;50 To 100, Deduct</i>	-2.40	
		<i>For &gt;100, Deduct</i>	-4.80	
05 05 19 00-0139	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor .....	31.25	
		<i>For &gt;10 To 50, Deduct</i>	-1.10	
		<i>For &gt;50 To 100, Deduct</i>	-2.44	
		<i>For &gt;100, Deduct</i>	-4.88	
05 05 19 00-0140	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor .....	36.31	
		<i>For &gt;10 To 50, Deduct</i>	-1.31	
		<i>For &gt;50 To 100, Deduct</i>	-2.88	
		<i>For &gt;100, Deduct</i>	-5.76	
05 05 19 00-0141	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor .....	37.87	
		<i>For &gt;10 To 50, Deduct</i>	-1.31	
		<i>For &gt;50 To 100, Deduct</i>	-2.92	
		<i>For &gt;100, Deduct</i>	-5.84	
<b>05 05 19 00-0142</b>		<b>Multi-Set Drop-In Anchors</b> (05 05 19 00-0002)		
<b>05 05 19 00-0143</b>		<b>Zinc Plated Steel, Multi-Set Drop-In Anchors</b> (05 05 19 00-0142)		
		Note: Excludes bolt, nut and washer.		
05 05 19 00-0144	EA	1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor .....	15.39	
		<i>For &gt;10 To 50, Deduct</i>	-0.74	
		<i>For &gt;50 To 100, Deduct</i>	-1.49	
		<i>For &gt;100, Deduct</i>	-2.98	
05 05 19 00-0145	EA	3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor .....	18.83	
		<i>For &gt;10 To 50, Deduct</i>	-0.90	
		<i>For &gt;50 To 100, Deduct</i>	-1.82	
		<i>For &gt;100, Deduct</i>	-3.64	
05 05 19 00-0146	EA	1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor .....	23.03	
		<i>For &gt;10 To 50, Deduct</i>	-1.06	
		<i>For &gt;50 To 100, Deduct</i>	-2.16	
		<i>For &gt;100, Deduct</i>	-4.33	
05 05 19 00-0147	EA	5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor .....	26.18	
		<i>For &gt;10 To 50, Deduct</i>	-1.16	
		<i>For &gt;50 To 100, Deduct</i>	-2.40	
		<i>For &gt;100, Deduct</i>	-4.80	
05 05 19 00-0148	EA	3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor .....	31.48	
		<i>For &gt;10 To 50, Deduct</i>	-1.32	
		<i>For &gt;50 To 100, Deduct</i>	-2.77	
		<i>For &gt;100, Deduct</i>	-5.54	
<b>05 05 19 00-0149</b>		<b>304/18-8 Stainless Steel, Multi-Set Drop-In Anchors</b> (05 05 19 00-0142)		
		Note: Excludes bolt, nut and washer.		
05 05 19 00-0150	EA	1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor .....	18.77	
		<i>For &gt;10 To 50, Deduct</i>	-0.74	
		<i>For &gt;50 To 100, Deduct</i>	-1.57	
		<i>For &gt;100, Deduct</i>	-3.15	
05 05 19 00-0151	EA	3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor .....	25.18	
		<i>For &gt;10 To 50, Deduct</i>	-0.90	
		<i>For &gt;50 To 100, Deduct</i>	-1.98	
		<i>For &gt;100, Deduct</i>	-3.95	
05 05 19 00-0152	EA	1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor .....	31.43	
		<i>For &gt;10 To 50, Deduct</i>	-1.06	
		<i>For &gt;50 To 100, Deduct</i>	-2.37	
		<i>For &gt;100, Deduct</i>	-4.75	
05 05 19 00-0153	EA	5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor .....	39.71	
		<i>For &gt;10 To 50, Deduct</i>	-1.16	
		<i>For &gt;50 To 100, Deduct</i>	-2.74	
		<i>For &gt;100, Deduct</i>	-5.47	
05 05 19 00-0154	EA	3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor .....	54.74	
		<i>For &gt;10 To 50, Deduct</i>	-1.32	
		<i>For &gt;50 To 100, Deduct</i>	-3.35	
		<i>For &gt;100, Deduct</i>	-6.70	
<b>05 05 19 00-0155</b>		<b>Single Bolt Expansion Anchors</b> (05 05 19 00-0002)		
		Note: Excludes bolt, nut and washer.		
05 05 19 00-0156	EA	1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor .....	11.30	
		<i>For &gt;10 To 50, Deduct</i>	-0.53	
		<i>For &gt;50 To 100, Deduct</i>	-1.08	
		<i>For &gt;100, Deduct</i>	-2.15	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 19 00-0157	EA 5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor .....	12.10	
	For >10 To 50, Deduct	-0.56	
	For >50 To 100, Deduct	-1.14	
	For >100, Deduct	-2.27	
05 05 19 00-0158	EA 3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor .....	13.68	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.29	
	For >100, Deduct	-2.57	
05 05 19 00-0159	EA 1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor .....	20.00	
	For >10 To 50, Deduct	-0.89	
	For >50 To 100, Deduct	-1.84	
	For >100, Deduct	-3.68	
05 05 19 00-0160	EA 5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor .....	27.91	
	For >10 To 50, Deduct	-1.10	
	For >50 To 100, Deduct	-2.35	
	For >100, Deduct	-4.71	
05 05 19 00-0161	EA 3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor .....	33.70	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-2.81	
	For >100, Deduct	-5.63	
<b>05 05 19 00-0162</b>	<b>Concrete Lag Shield Anchors</b> (05 05 19 00-0002)		
	Note: Excludes lag bolt and washer.		
05 05 19 00-0163	EA 1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor .....	11.48	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.08	
	For >100, Deduct	-2.16	
05 05 19 00-0164	EA 5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor .....	13.66	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.29	
	For >100, Deduct	-2.57	
05 05 19 00-0165	EA 3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor .....	14.38	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.30	
	For >100, Deduct	-2.61	
05 05 19 00-0166	EA 1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor .....	20.24	
	For >10 To 50, Deduct	-0.89	
	For >50 To 100, Deduct	-1.85	
	For >100, Deduct	-3.69	
05 05 19 00-0167	EA 5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor .....	26.91	
	For >10 To 50, Deduct	-1.10	
	For >50 To 100, Deduct	-2.33	
	For >100, Deduct	-4.66	
05 05 19 00-0168	EA 3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor .....	30.10	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-2.72	
	For >100, Deduct	-5.45	
<b>05 05 19 00-0169</b>	<b>Chemical And Adhesive Anchors</b> (05 05 19 00-0001)		
<b>05 05 19 00-0170</b>	<b>Chemically Adhered Anchor Rods</b> (05 05 19 00-0169)		
	Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		
05 05 19 00-0171	EA 1/4" x 1-9/16" Long Chemically Adhered Anchor Rod .....	14.59	
	For >10 To 50, Deduct	-0.58	
	For >50 To 100, Deduct	-1.24	
	For >100, Deduct	-2.48	
05 05 19 00-0172	EA 5/16" x 2-3/8" Long Chemically Adhered Anchor Rod .....	16.99	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.38	
	For >100, Deduct	-2.75	
05 05 19 00-0173	EA 3/8" x 2-3/4" Long Chemically Adhered Anchor Rod .....	21.09	
	For >10 To 50, Deduct	-0.79	
	For >50 To 100, Deduct	-1.72	
	For >100, Deduct	-3.44	
05 05 19 00-0174	EA 1/2" x 3-11/16" Long Chemically Adhered Anchor Rod .....	24.76	
	For >10 To 50, Deduct	-0.89	
	For >50 To 100, Deduct	-1.96	
	For >100, Deduct	-3.92	
05 05 19 00-0175	EA 1/2" x 5-1/2" Long Chemically Adhered Anchor Rod .....	26.33	
	For >10 To 50, Deduct	-0.89	
	For >50 To 100, Deduct	-2.00	
	For >100, Deduct	-4.00	
05 05 19 00-0176	EA 5/8" x 7" Long Chemically Adhered Anchor Rod .....	32.59	
	For >10 To 50, Deduct	-1.10	
	For >50 To 100, Deduct	-2.47	
	For >100, Deduct	-4.94	
05 05 19 00-0177	EA 3/4" x 9-1/2" Long Chemically Adhered Anchor Rod .....	42.55	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-3.04	
	For >100, Deduct	-6.07	
05 05 19 00-0178	EA 7/8" x 10" Long Chemically Adhered Anchor Rod .....	50.68	
	For >10 To 50, Deduct	-1.42	
	For >50 To 100, Deduct	-3.40	
	For >100, Deduct	-6.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0179	EA		1" x 11-3/4" Long Chemically Adhered Anchor Rod.....	69.44	
			For >10 To 50, Deduct	-1.85	
			For >50 To 100, Deduct	-4.51	
			For >100, Deduct	-9.01	
05 05 19 00-0180	EA		1-1/4" x 14" Long Chemically Adhered Anchor Rod.....	100.27	
			For >10 To 50, Deduct	-2.33	
			For >50 To 100, Deduct	-6.00	
			For >100, Deduct	-12.00	
<b>05 05 19 00-0181</b>			<b>Chemical Adhesives For Bolts, Dowels Or Threaded Rod</b> <small>(05 05 19 00-0169)</small>		
			Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Excludes bolt, dowel or rod.		
05 05 19 00-0182	EA		1/4" Chemical Adhesive For Bolt Or Threaded Rod.....	12.00	
			For >10 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-1.17	
			For >100, Deduct	-2.35	
05 05 19 00-0183	EA		5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	13.15	
			For >10 To 50, Deduct	-0.63	
			For >50 To 100, Deduct	-1.28	
			For >100, Deduct	-2.56	
05 05 19 00-0184	EA		3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	16.48	
			For >10 To 50, Deduct	-0.79	
			For >50 To 100, Deduct	-1.60	
			For >100, Deduct	-3.20	
05 05 19 00-0185	EA		1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	18.74	
			For >10 To 50, Deduct	-0.89	
			For >50 To 100, Deduct	-1.81	
			For >100, Deduct	-3.62	
05 05 19 00-0186	EA		5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	24.18	
			For >10 To 50, Deduct	-1.10	
			For >50 To 100, Deduct	-2.26	
			For >100, Deduct	-4.52	
05 05 19 00-0187	EA		3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	29.94	
			For >10 To 50, Deduct	-1.31	
			For >50 To 100, Deduct	-2.72	
			For >100, Deduct	-5.44	
05 05 19 00-0188	EA		7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	33.33	
			For >10 To 50, Deduct	-1.42	
			For >50 To 100, Deduct	-2.97	
			For >100, Deduct	-5.94	
05 05 19 00-0189	EA		1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	44.22	
			For >10 To 50, Deduct	-1.85	
			For >50 To 100, Deduct	-3.87	
			For >100, Deduct	-7.75	
05 05 19 00-0190	EA		1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	50.72	
			For >10 To 50, Deduct	-2.09	
			For >50 To 100, Deduct	-4.40	
			For >100, Deduct	-8.80	
05 05 19 00-0191	EA		1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	58.23	
			For >10 To 50, Deduct	-2.33	
			For >50 To 100, Deduct	-4.95	
			For >100, Deduct	-9.89	
05 05 19 00-0192	EA		1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	63.27	
			For >10 To 50, Deduct	-2.43	
			For >50 To 100, Deduct	-5.23	
			For >100, Deduct	-10.46	
05 05 19 00-0193	EA		1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	70.24	
			For >10 To 50, Deduct	-2.54	
			For >50 To 100, Deduct	-5.56	
			For >100, Deduct	-11.13	
05 05 19 00-0194	EA		1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	84.21	
			For >10 To 50, Deduct	-2.75	
			For >50 To 100, Deduct	-6.23	
			For >100, Deduct	-12.46	
05 05 19 00-0195	EA		2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	115.51	
			For >10 To 50, Deduct	-2.86	
			For >50 To 100, Deduct	-7.17	
			For >100, Deduct	-14.34	
<b>05 05 19 00-0196</b>			<b>Grout Concrete Anchor Bolt Or Threaded Rod</b> <small>(05 05 19 00-0169)</small>		
05 05 19 00-0197	EA		Grout Concrete Anchor Bolt or Threaded Rod.....	4.25	
			For >10 To 50, Deduct	-0.21	
			For >50 To 100, Deduct	-0.42	
			For >100, Deduct	-0.83	
<b>05 05 19 00-0198</b>			<b>Other Concrete And Masonry Anchors</b> <small>(05 05 19 00-0001)</small>		
<b>05 05 19 00-0199</b>			<b>Tapcon Masonry Screws</b> <small>(05 05 19 00-0198)</small>		
			Note: Includes drilling. Countersunk or hex head.		
05 05 19 00-0200	EA		3/16" x 1-1/4" Tapcon Masonry Screw.....	10.87	
			For >10 To 50, Deduct	-0.53	
			For >50 To 100, Deduct	-1.07	
			For >100, Deduct	-2.13	
05 05 19 00-0201	EA		3/16" x 2-1/4" Tapcon Masonry Screw.....	10.95	
			For >10 To 50, Deduct	-0.53	
			For >50 To 100, Deduct	-1.07	
			For >100, Deduct	-2.13	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 19 Post-Installed Concrete Anchors

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 19 00-0202	EA 3/16" x 3-1/4" Tapcon Masonry Screw .....	11.12	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.07	
	For >100, Deduct	-2.14	
05 05 19 00-0203	EA 1/4" x 1-1/4" Tapcon Masonry Screw .....	10.96	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.07	
	For >100, Deduct	-2.14	
05 05 19 00-0204	EA 1/4" x 2-1/4" Tapcon Masonry Screw .....	11.06	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.07	
	For >100, Deduct	-2.14	
05 05 19 00-0205	EA 1/4" x 3-1/4" Tapcon Masonry Screw .....	11.26	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.08	
	For >100, Deduct	-2.15	
<b>05 05 19 00-0206</b>	<b>Large Diameter, Self-Threading Concrete Fasteners</b> (05 05 19 00-0198)		
	Note: Includes drilling. Zinc plated.		
05 05 19 00-0207	EA 3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener .....	11.51	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.08	
	For >100, Deduct	-2.16	
05 05 19 00-0208	EA 3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener .....	11.84	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.09	
	For >100, Deduct	-2.18	
05 05 19 00-0209	EA 3/8" x 3", Large Diameter, Self-Threading Concrete Fastener .....	11.93	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.09	
	For >100, Deduct	-2.18	
05 05 19 00-0210	EA 3/8" x 4", Large Diameter, Self-Threading Concrete Fastener .....	12.09	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.10	
	For >100, Deduct	-2.19	
05 05 19 00-0211	EA 3/8" x 5", Large Diameter, Self-Threading Concrete Fastener .....	12.23	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.10	
	For >100, Deduct	-2.20	
05 05 19 00-0212	EA 1/2" x 3", Large Diameter, Self-Threading Concrete Fastener .....	12.52	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.11	
	For >100, Deduct	-2.21	
05 05 19 00-0213	EA 1/2" x 4", Large Diameter, Self-Threading Concrete Fastener .....	12.88	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.12	
	For >100, Deduct	-2.23	
05 05 19 00-0214	EA 1/2" x 5", Large Diameter, Self-Threading Concrete Fastener .....	13.21	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.12	
	For >100, Deduct	-2.25	
05 05 19 00-0215	EA 1/2" x 6", Large Diameter, Self-Threading Concrete Fastener .....	14.13	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.15	
	For >100, Deduct	-2.29	
05 05 19 00-0216	EA 5/8" x 3", Large Diameter, Self-Threading Concrete Fastener .....	14.24	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.15	
	For >100, Deduct	-2.30	
05 05 19 00-0217	EA 5/8" x 4", Large Diameter, Self-Threading Concrete Fastener .....	14.80	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.16	
	For >100, Deduct	-2.33	
05 05 19 00-0218	EA 5/8" x 5", Large Diameter, Self-Threading Concrete Fastener .....	15.38	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.18	
	For >100, Deduct	-2.36	
05 05 19 00-0219	EA 5/8" x 6", Large Diameter, Self-Threading Concrete Fastener .....	15.75	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.19	
	For >100, Deduct	-2.37	
05 05 19 00-0220	EA 3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener .....	15.59	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.18	
	For >100, Deduct	-2.37	
05 05 19 00-0221	EA 3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener .....	16.12	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.20	
	For >100, Deduct	-2.39	
05 05 19 00-0222	EA 3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener .....	17.37	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.23	
	For >100, Deduct	-2.46	
<b>05 05 19 00-0223</b>	<b>Pin Bolt Drives</b> (05 05 19 00-0198)		
	Note: Includes drilling. Zinc plated.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0224 EA 1/4" x 1" Pin Bolt Drive.....	6.80	
For >10 To 50, Deduct	-0.32	
For >50 To 100, Deduct	-0.65	
For >100, Deduct	-1.29	
05 05 19 00-0225 EA 1/4" x 1-1/4" Pin Bolt Drive.....	6.80	
For >10 To 50, Deduct	-0.32	
For >50 To 100, Deduct	-0.65	
For >100, Deduct	-1.29	
05 05 19 00-0226 EA 1/4" x 1-1/2" Pin Bolt Drive.....	6.86	
For >10 To 50, Deduct	-0.32	
For >50 To 100, Deduct	-0.65	
For >100, Deduct	-1.30	
05 05 19 00-0227 EA 1/4" x 2" Pin Bolt Drive.....	6.87	
For >10 To 50, Deduct	-0.32	
For >50 To 100, Deduct	-0.65	
For >100, Deduct	-1.30	
<b>05 05 19 00-0228 Powder Actuated, Shot-In Place Anchors (05 05 19 00-0198)</b>		
05 05 19 00-0229 EA 0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor.....	1.71	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.15	
For >100, Deduct	-0.30	
05 05 19 00-0230 EA 0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor.....	1.80	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.16	
For >100, Deduct	-0.31	
05 05 19 00-0231 EA 0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor.....	1.96	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.17	
For >100, Deduct	-0.34	
05 05 19 00-0232 EA 0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor.....	2.18	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.18	
For >100, Deduct	-0.36	
05 05 19 00-0233 EA 0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor.....	2.30	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.19	
For >100, Deduct	-0.37	
<b>05 05 19 00-0234 Powder Actuated, Shot-In Place Anchors With Exposed Thread (05 05 19 00-0198)</b>		
05 05 19 00-0235 EA 0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor.....	2.03	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.16	
For >100, Deduct	-0.32	
05 05 19 00-0236 EA 0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor.....	2.77	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.20	
For >100, Deduct	-0.41	
<b>05 05 21 Fastening Methods for Metal (05 05)</b>		
<b>05 05 21 00-0001 Welding (05 05 21)</b>		
<b>05 05 21 00-0002 Welding Minimum Charge (05 05 21 00-0001)</b>		
05 05 21 00-0003 EA Welding Minimum Charge.....	418.22	
Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
<b>05 05 21 00-0004 Spot Welding (05 05 21 00-0001)</b>		
05 05 21 00-0005 EA Up To 15 Spot Weldings, Welds Up To 1" Length Each.....	10.68	
For Aluminum Welding, Add	1.67	
For Stainless Steel Welding, Add	2.75	
05 05 21 00-0006 EA >15 Spot Weldings, Welds Up To 1" Length Each.....	8.33	
For Aluminum Welding, Add	1.32	
For Stainless Steel Welding, Add	2.17	
<b>05 05 21 00-0007 Field Welding (Seam And Stitch Welding) (05 05 21 00-0001)</b>		
<b>05 05 21 00-0008 Vertical Fillet Welds (05 05 21 00-0007)</b>		
Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 05 21 00-0009 LF 1/8" Vertical Fillet Weld.....	6.77	
For Aluminum Welding, Add	1.33	
For Stainless Steel Welding, Add	2.09	
For Up To 25, Add	2.24	
For >25 To 50, Add	1.59	
05 05 21 00-0010 LF 3/16" Vertical Fillet Weld.....	13.15	
For Aluminum Welding, Add	2.37	
For Stainless Steel Welding, Add	3.78	
For Up To 25, Add	4.44	
For >25 To 50, Add	3.16	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 21 Fastening Methods for Metal

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0011	LF		1/4" Vertical Fillet Weld .....	19.74	
			For Aluminum Welding, Add	3.57	
			For Stainless Steel Welding, Add	5.69	
			For Up To 25, Add	6.66	
			For >25 To 50, Add	4.73	
05 05 21 00-0012	LF		5/16" Vertical Fillet Weld .....	26.04	
			For Aluminum Welding, Add	4.72	
			For Stainless Steel Welding, Add	7.53	
			For Up To 25, Add	8.77	
			For >25 To 50, Add	6.24	
05 05 21 00-0013	LF		3/8" Vertical Fillet Weld .....	32.89	
			For Aluminum Welding, Add	5.94	
			For Stainless Steel Welding, Add	9.48	
			For Up To 25, Add	11.09	
			For >25 To 50, Add	7.89	
05 05 21 00-0014	LF		7/16" Vertical Fillet Weld .....	38.29	
			For Aluminum Welding, Add	6.54	
			For Stainless Steel Welding, Add	10.56	
			For Up To 25, Add	13.07	
			For >25 To 50, Add	9.31	
05 05 21 00-0015	LF		1/2" Vertical Fillet Weld .....	44.96	
			For Aluminum Welding, Add	8.14	
			For Stainless Steel Welding, Add	12.99	
			For Up To 25, Add	15.15	
			For >25 To 50, Add	10.77	
05 05 21 00-0016	LF		9/16" Vertical Fillet Weld .....	52.62	
			For Aluminum Welding, Add	9.15	
			For Stainless Steel Welding, Add	14.72	
			For Up To 25, Add	17.89	
			For >25 To 50, Add	12.74	
05 05 21 00-0017	LF		5/8" Vertical Fillet Weld .....	61.00	
			For Aluminum Welding, Add	10.63	
			For Stainless Steel Welding, Add	17.10	
			For Up To 25, Add	20.73	
			For >25 To 50, Add	14.76	
05 05 21 00-0018	LF		3/4" Vertical Fillet Weld .....	82.29	
			For Aluminum Welding, Add	14.89	
			For Stainless Steel Welding, Add	23.76	
			For Up To 25, Add	27.74	
			For >25 To 50, Add	19.72	
05 05 21 00-0019	LF		7/8" Vertical Fillet Weld .....	121.81	
			For Aluminum Welding, Add	21.12	
			For Stainless Steel Welding, Add	34.01	
			For Up To 25, Add	41.45	
			For >25 To 50, Add	29.50	
05 05 21 00-0020	LF		1" Vertical Fillet Weld .....	164.02	
			For Aluminum Welding, Add	29.37	
			For Stainless Steel Welding, Add	46.96	
			For Up To 25, Add	55.42	
			For >25 To 50, Add	39.42	
05 05 21 00-0021			<b>Horizontal Or Flat Fillet Welds</b> <small>(05 05 21 00-0007)</small>		
			Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 05 21 00-0022	LF		1/8" Horizontal Or Flat Fillet Weld .....	5.70	
			For Aluminum Welding, Add	1.17	
			For Stainless Steel Welding, Add	1.82	
			For Up To 25, Add	1.86	
			For >25 To 50, Add	1.32	
05 05 21 00-0023	LF		3/16" Horizontal Or Flat Fillet Weld .....	11.14	
			For Aluminum Welding, Add	2.09	
			For Stainless Steel Welding, Add	3.31	
			For Up To 25, Add	3.72	
			For >25 To 50, Add	2.65	
05 05 21 00-0024	LF		1/4" Horizontal Or Flat Fillet Weld .....	16.66	
			For Aluminum Welding, Add	3.13	
			For Stainless Steel Welding, Add	4.95	
			For Up To 25, Add	5.57	
			For >25 To 50, Add	3.96	
05 05 21 00-0025	LF		5/16" Horizontal Or Flat Fillet Weld .....	22.01	
			For Aluminum Welding, Add	4.16	
			For Stainless Steel Welding, Add	6.58	
			For Up To 25, Add	7.35	
			For >25 To 50, Add	5.22	
05 05 21 00-0026	LF		3/8" Horizontal Or Flat Fillet Weld .....	27.79	
			For Aluminum Welding, Add	5.21	
			For Stainless Steel Welding, Add	8.25	
			For Up To 25, Add	9.29	
			For >25 To 50, Add	6.60	
05 05 21 00-0027	LF		7/16" Horizontal Or Flat Fillet Weld .....	32.22	
			For Aluminum Welding, Add	5.67	
			For Stainless Steel Welding, Add	9.10	
			For Up To 25, Add	10.93	
			For >25 To 50, Add	7.78	
05 05 21 00-0028	LF		1/2" Horizontal Or Flat Fillet Weld .....	37.95	
			For Aluminum Welding, Add	7.16	
			For Stainless Steel Welding, Add	11.32	
			For Up To 25, Add	12.67	
			For >25 To 50, Add	9.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0029	LF		9/16" Horizontal Or Flat Fillet Weld ..... <i>For Aluminum Welding, Add</i> <i>For Stainless Steel Welding, Add</i> <i>For Up To 25, Add</i> <i>For &gt;25 To 50, Add</i>	44.38 8.00 12.77 14.98 10.65	
05 05 21 00-0030	LF		5/8" Horizontal Or Flat Fillet Weld ..... <i>For Aluminum Welding, Add</i> <i>For Stainless Steel Welding, Add</i> <i>For Up To 25, Add</i> <i>For &gt;25 To 50, Add</i>	51.66 9.48 15.08 17.36 12.34	
05 05 21 00-0031	LF		3/4" Horizontal Or Flat Fillet Weld ..... <i>For Aluminum Welding, Add</i> <i>For Stainless Steel Welding, Add</i> <i>For Up To 25, Add</i> <i>For &gt;25 To 50, Add</i>	69.53 13.11 20.73 23.22 16.49	
05 05 21 00-0032	LF		7/8" Horizontal Or Flat Fillet Weld ..... <i>For Aluminum Welding, Add</i> <i>For Stainless Steel Welding, Add</i> <i>For Up To 25, Add</i> <i>For &gt;25 To 50, Add</i>	101.98 17.95 28.81 34.59 24.61	
05 05 21 00-0033	LF		1" Horizontal Or Flat Fillet Weld ..... <i>For Aluminum Welding, Add</i> <i>For Stainless Steel Welding, Add</i> <i>For Up To 25, Add</i> <i>For &gt;25 To 50, Add</i>	138.07 25.70 40.76 46.24 32.85	

05 05 23 Metal Fastenings (05 05)

05 05 23 00-0001	Hex Bolts (05 05 23)		Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0221 for drilling into concrete, 02 41 19 13-0231 for drilling into brick or block, 02 41 19 13-0241 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.		
05 05 23 00-0002	A307B Heavy Hex Bolts (05 05 23 00-0001)		Note: Includes A307B heavy hex nut and two structural washers.		
05 05 23 00-0003	Plain Finish A307B Heavy Hex Bolts (05 05 23 00-0002)				
05 05 23 00-0004	EA		1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt ..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	12.48 -0.50 -1.06 -2.12	1.19
05 05 23 00-0005	EA		1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt ..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	13.93 -0.50 -1.10 -2.19	1.19
05 05 23 00-0006	EA		5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt ..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	13.97 -0.50 -1.10 -2.19	1.19
05 05 23 00-0007	EA		5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt ..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	16.72 -0.57 -1.27 -2.54	1.36
05 05 23 00-0008	EA		3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt ..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	16.41 -0.50 -1.16 -2.32	1.19
05 05 23 00-0009	EA		3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt ..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	19.75 -0.57 -1.35 -2.69	1.36
05 05 23 00-0010	EA		3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt ..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	25.37 -0.60 -1.53 -3.05	1.43
05 05 23 00-0011	EA		3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt ..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	27.30 -0.63 -1.62 -3.24	1.50
05 05 23 00-0012	EA		7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt ..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	19.83 -0.54 -1.31 -2.61	1.30
05 05 23 00-0013	EA		7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt ..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	24.09 -0.59 -1.49 -2.99	1.43
05 05 23 00-0014	EA		1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt ..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	28.59 -0.63 -1.65 -3.31	1.50
05 05 23 00-0015	EA		1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt ..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	41.56 -0.66 -2.03 -4.05	1.57
05 05 23 00-0016	EA		1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt ..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	48.75 -0.74 -2.33 -4.67	1.79

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0017	EA		1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt .....	54.99	1.91
			<i>For &gt;10 To 50, Deduct</i>	-0.80	
			<i>For &gt;50 To 100, Deduct</i>	-2.57	
			<i>For &gt;100, Deduct</i>	-5.14	
<b>05 05 23 00-0018</b>			<b>Galvanized A307B Heavy Hex Bolts</b> <small>(05 05 23 00-0002)</small>		
05 05 23 00-0019	EA		1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt .....	13.19	1.19
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.08	
			<i>For &gt;100, Deduct</i>	-2.16	
05 05 23 00-0020	EA		1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt .....	14.41	1.19
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.11	
			<i>For &gt;100, Deduct</i>	-2.22	
05 05 23 00-0021	EA		5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt .....	15.73	1.19
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.14	
			<i>For &gt;100, Deduct</i>	-2.28	
05 05 23 00-0022	EA		5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt .....	18.48	1.36
			<i>For &gt;10 To 50, Deduct</i>	-0.57	
			<i>For &gt;50 To 100, Deduct</i>	-1.32	
			<i>For &gt;100, Deduct</i>	-2.63	
05 05 23 00-0023	EA		3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt .....	18.40	1.19
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.21	
			<i>For &gt;100, Deduct</i>	-2.42	
05 05 23 00-0024	EA		3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt .....	23.43	1.36
			<i>For &gt;10 To 50, Deduct</i>	-0.57	
			<i>For &gt;50 To 100, Deduct</i>	-1.44	
			<i>For &gt;100, Deduct</i>	-2.88	
05 05 23 00-0025	EA		3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt .....	31.72	1.43
			<i>For &gt;10 To 50, Deduct</i>	-0.60	
			<i>For &gt;50 To 100, Deduct</i>	-1.69	
			<i>For &gt;100, Deduct</i>	-3.37	
05 05 23 00-0026	EA		3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt .....	37.58	1.50
			<i>For &gt;10 To 50, Deduct</i>	-0.63	
			<i>For &gt;50 To 100, Deduct</i>	-1.88	
			<i>For &gt;100, Deduct</i>	-3.76	
05 05 23 00-0027	EA		7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt .....	25.05	1.30
			<i>For &gt;10 To 50, Deduct</i>	-0.54	
			<i>For &gt;50 To 100, Deduct</i>	-1.44	
			<i>For &gt;100, Deduct</i>	-2.87	
05 05 23 00-0028	EA		7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt .....	29.97	1.43
			<i>For &gt;10 To 50, Deduct</i>	-0.59	
			<i>For &gt;50 To 100, Deduct</i>	-1.64	
			<i>For &gt;100, Deduct</i>	-3.28	
05 05 23 00-0029	EA		1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt .....	36.19	1.50
			<i>For &gt;10 To 50, Deduct</i>	-0.63	
			<i>For &gt;50 To 100, Deduct</i>	-1.84	
			<i>For &gt;100, Deduct</i>	-3.69	
05 05 23 00-0030	EA		1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt .....	55.32	1.57
			<i>For &gt;10 To 50, Deduct</i>	-0.66	
			<i>For &gt;50 To 100, Deduct</i>	-2.37	
			<i>For &gt;100, Deduct</i>	-4.74	
05 05 23 00-0031	EA		1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt .....	54.90	1.79
			<i>For &gt;10 To 50, Deduct</i>	-0.74	
			<i>For &gt;50 To 100, Deduct</i>	-2.49	
			<i>For &gt;100, Deduct</i>	-4.97	
05 05 23 00-0032	EA		1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt .....	69.25	1.91
			<i>For &gt;10 To 50, Deduct</i>	-0.80	
			<i>For &gt;50 To 100, Deduct</i>	-2.92	
			<i>For &gt;100, Deduct</i>	-5.85	
<b>05 05 23 00-0033</b>			<b>A325 High Strength Structural Bolts</b> <small>(05 05 23 00-0001)</small>		
<b>05 05 23 00-0034</b>			<b>Plain Finish A325 High Strength Structural Bolts</b> <small>(05 05 23 00-0033)</small>		
			Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0035	EA		1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt .....	12.15	1.19
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.05	
			<i>For &gt;100, Deduct</i>	-2.10	
05 05 23 00-0036	EA		1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt .....	12.47	1.19
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.06	
			<i>For &gt;100, Deduct</i>	-2.12	
05 05 23 00-0037	EA		5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt .....	13.49	1.19
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.09	
			<i>For &gt;100, Deduct</i>	-2.17	
05 05 23 00-0038	EA		5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt .....	16.75	1.36
			<i>For &gt;10 To 50, Deduct</i>	-0.57	
			<i>For &gt;50 To 100, Deduct</i>	-1.27	
			<i>For &gt;100, Deduct</i>	-2.55	
05 05 23 00-0039	EA		5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt .....	19.70	1.43
			<i>For &gt;10 To 50, Deduct</i>	-0.60	
			<i>For &gt;50 To 100, Deduct</i>	-1.39	
			<i>For &gt;100, Deduct</i>	-2.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0040	EA		3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	14.91 -0.50 -1.12 -2.24	1.19
05 05 23 00-0041	EA		3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	18.27 -0.57 -1.31 -2.62	1.36
05 05 23 00-0042	EA		3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	21.04 -0.60 -1.42 -2.84	1.43
05 05 23 00-0043	EA		3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	26.39 -0.63 -1.60 -3.20	1.50
05 05 23 00-0044	EA		7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	17.49 -0.54 -1.25 -2.50	1.30
05 05 23 00-0045	EA		7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	21.60 -0.59 -1.43 -2.86	1.43
05 05 23 00-0046	EA		7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	24.91 -0.63 -1.56 -3.12	1.50
05 05 23 00-0047	EA		7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	27.09 -0.66 -1.66 -3.33	1.57
05 05 23 00-0048	EA		1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	19.49 -0.56 -1.33 -2.66	1.35
05 05 23 00-0049	EA		1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	23.70 -0.63 -1.53 -3.06	1.50
05 05 23 00-0050	EA		1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	27.77 -0.66 -1.68 -3.36	1.57
05 05 23 00-0051	EA		1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	36.24 -0.70 -1.96 -3.91	1.67
05 05 23 00-0052	EA		1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	34.45 -0.70 -1.91 -3.82	1.67
05 05 23 00-0053	EA		1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	39.29 -0.74 -2.10 -4.19	1.79
05 05 23 00-0054	EA		1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	46.47 -0.80 -2.36 -4.71	1.91
05 05 23 00-0055	EA		1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	54.97 -0.85 -2.65 -5.29	2.04
<b>05 05 23 00-0056</b>			<b>Galvanized A325 High Strength Structural Bolts</b> <small>(05 05 23 00-0033)</small> Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0057	EA		1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	12.79 -0.50 -1.07 -2.14	1.19
05 05 23 00-0058	EA		1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	13.01 -0.50 -1.07 -2.15	1.19
05 05 23 00-0059	EA		5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	14.84 -0.50 -1.12 -2.24	1.19
05 05 23 00-0060	EA		5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	17.71 -0.57 -1.30 -2.59	1.36
05 05 23 00-0061	EA		5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	18.78 -0.60 -1.36 -2.72	1.43

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0062	EA	3/4"	Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	15.53	1.19
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.14	
			<i>For &gt;100, Deduct</i>	-2.27	
05 05 23 00-0063	EA	3/4"	Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	19.05	1.36
			<i>For &gt;10 To 50, Deduct</i>	-0.57	
			<i>For &gt;50 To 100, Deduct</i>	-1.33	
			<i>For &gt;100, Deduct</i>	-2.66	
05 05 23 00-0064	EA	3/4"	Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	22.26	1.43
			<i>For &gt;10 To 50, Deduct</i>	-0.60	
			<i>For &gt;50 To 100, Deduct</i>	-1.45	
			<i>For &gt;100, Deduct</i>	-2.90	
05 05 23 00-0065	EA	3/4"	Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	29.28	1.50
			<i>For &gt;10 To 50, Deduct</i>	-0.63	
			<i>For &gt;50 To 100, Deduct</i>	-1.67	
			<i>For &gt;100, Deduct</i>	-3.34	
05 05 23 00-0066	EA	7/8"	Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	21.21	1.30
			<i>For &gt;10 To 50, Deduct</i>	-0.54	
			<i>For &gt;50 To 100, Deduct</i>	-1.34	
			<i>For &gt;100, Deduct</i>	-2.68	
05 05 23 00-0067	EA	7/8"	Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	23.80	1.43
			<i>For &gt;10 To 50, Deduct</i>	-0.59	
			<i>For &gt;50 To 100, Deduct</i>	-1.49	
			<i>For &gt;100, Deduct</i>	-2.97	
05 05 23 00-0068	EA	7/8"	Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	27.59	1.50
			<i>For &gt;10 To 50, Deduct</i>	-0.63	
			<i>For &gt;50 To 100, Deduct</i>	-1.63	
			<i>For &gt;100, Deduct</i>	-3.26	
05 05 23 00-0069	EA	7/8"	Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	35.10	1.57
			<i>For &gt;10 To 50, Deduct</i>	-0.66	
			<i>For &gt;50 To 100, Deduct</i>	-1.86	
			<i>For &gt;100, Deduct</i>	-3.73	
05 05 23 00-0070	EA	1"	Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	22.39	1.35
			<i>For &gt;10 To 50, Deduct</i>	-0.56	
			<i>For &gt;50 To 100, Deduct</i>	-1.40	
			<i>For &gt;100, Deduct</i>	-2.81	
05 05 23 00-0071	EA	1"	Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	30.35	1.50
			<i>For &gt;10 To 50, Deduct</i>	-0.63	
			<i>For &gt;50 To 100, Deduct</i>	-1.70	
			<i>For &gt;100, Deduct</i>	-3.40	
05 05 23 00-0072	EA	1"	Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	33.34	1.57
			<i>For &gt;10 To 50, Deduct</i>	-0.66	
			<i>For &gt;50 To 100, Deduct</i>	-1.82	
			<i>For &gt;100, Deduct</i>	-3.64	
05 05 23 00-0073	EA	1"	Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	43.10	1.67
			<i>For &gt;10 To 50, Deduct</i>	-0.70	
			<i>For &gt;50 To 100, Deduct</i>	-2.13	
			<i>For &gt;100, Deduct</i>	-4.26	
05 05 23 00-0074	EA	1-1/4"	Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	42.82	1.67
			<i>For &gt;10 To 50, Deduct</i>	-0.70	
			<i>For &gt;50 To 100, Deduct</i>	-2.12	
			<i>For &gt;100, Deduct</i>	-4.24	
05 05 23 00-0075	EA	1-1/4"	Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	45.68	1.79
			<i>For &gt;10 To 50, Deduct</i>	-0.74	
			<i>For &gt;50 To 100, Deduct</i>	-2.26	
			<i>For &gt;100, Deduct</i>	-4.51	
05 05 23 00-0076	EA	1-1/4"	Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	53.80	1.91
			<i>For &gt;10 To 50, Deduct</i>	-0.80	
			<i>For &gt;50 To 100, Deduct</i>	-2.54	
			<i>For &gt;100, Deduct</i>	-5.08	
05 05 23 00-0077	EA	1-1/4"	Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	62.62	2.04
			<i>For &gt;10 To 50, Deduct</i>	-0.85	
			<i>For &gt;50 To 100, Deduct</i>	-2.84	
			<i>For &gt;100, Deduct</i>	-5.68	

**05 05 23 00-0078 A490 High Strength Structural Bolts (05 05 23 00-0001)**

Note: Includes A490 heavy hex nut and two structural washers.

**05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts (05 05 23 00-0078)**

05 05 23 00-0080	EA	5/8"	Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	14.00	1.19
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.10	
			<i>For &gt;100, Deduct</i>	-2.20	
05 05 23 00-0081	EA	5/8"	Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	20.23	1.36
			<i>For &gt;10 To 50, Deduct</i>	-0.57	
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100, Deduct</i>	-2.72	
05 05 23 00-0082	EA	5/8"	Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	21.70	1.43
			<i>For &gt;10 To 50, Deduct</i>	-0.60	
			<i>For &gt;50 To 100, Deduct</i>	-1.44	
			<i>For &gt;100, Deduct</i>	-2.87	
05 05 23 00-0083	EA	3/4"	Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	15.97	1.19
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.15	
			<i>For &gt;100, Deduct</i>	-2.29	
05 05 23 00-0084	EA	3/4"	Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	19.47	1.36
			<i>For &gt;10 To 50, Deduct</i>	-0.57	
			<i>For &gt;50 To 100, Deduct</i>	-1.34	
			<i>For &gt;100, Deduct</i>	-2.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0085	EA		3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	22.97 -0.60 -1.47 -2.93	1.43
05 05 23 00-0086	EA		3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	30.15 -0.63 -1.69 -3.39	1.50
05 05 23 00-0087	EA		7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	18.70 -0.54 -1.28 -2.56	1.30
05 05 23 00-0088	EA		7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	21.98 -0.59 -1.44 -2.88	1.43
05 05 23 00-0089	EA		7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	32.76 -0.63 -1.76 -3.52	1.50
05 05 23 00-0090	EA		1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	22.33 -0.56 -1.40 -2.80	1.35
05 05 23 00-0091	EA		1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	26.89 -0.63 -1.61 -3.22	1.50
05 05 23 00-0092	EA		1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	31.20 -0.66 -1.77 -3.53	1.57
05 05 23 00-0093	EA		1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	39.51 -0.70 -2.04 -4.08	1.67
05 05 23 00-0094	EA		1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	51.37 -0.74 -2.40 -4.80	1.79
05 05 23 00-0095	EA		1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	54.00 -0.80 -2.54 -5.09	1.91
05 05 23 00-0096	EA		1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt ..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	56.26 -0.85 -2.68 -5.36	2.04

05 05 23 00-0097 Hex Head Bolts (05 05 23 00-0001)

05 05 23 00-0098 Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0097)

05 05 23 00-0099 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)

05 05 23 00-0100	EA		1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	6.72 -1.32 -1.65 -1.98	
05 05 23 00-0101	EA		1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	6.75 -1.32 -1.65 -1.98	
05 05 23 00-0102	EA		1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	6.83 -1.32 -1.65 -1.98	
05 05 23 00-0103	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	6.87 -1.32 -1.65 -1.98	
05 05 23 00-0104	EA		1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	7.11 -1.36 -1.70 -2.04	
05 05 23 00-0105	EA		1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	7.15 -1.36 -1.70 -2.04	
05 05 23 00-0106	EA		1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	7.27 -1.36 -1.70 -2.04	
05 05 23 00-0107	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	7.46 -1.40 -1.75 -2.09	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0108	EA		1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0109	EA		1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.70	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0110	EA		1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.03	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0111	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.17	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0112	EA		1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.37	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0113	EA		1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.99	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0114	EA		1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.29	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0115	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.37	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0116	EA		5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>	6.79	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0118	EA		5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.82	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0119	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.89	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0120	EA		5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.94	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0121	EA		5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.20	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0122	EA		5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.33	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0123	EA		5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.38	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0124	EA		5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.68	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0125	EA		5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.87	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0126	EA		5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.94	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0127	EA		5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.19	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0128	EA		5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.26	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0129	EA		5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0130 EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.49	
<i>For &gt;100 To 250, Deduct</i>	-1.47	
<i>For &gt;250 To 500, Deduct</i>	-1.84	
<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0131 EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.80	
<i>For &gt;100 To 250, Deduct</i>	-1.47	
<i>For &gt;250 To 500, Deduct</i>	-1.84	
<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0132 EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.08	
<i>For &gt;100 To 250, Deduct</i>	-1.47	
<i>For &gt;250 To 500, Deduct</i>	-1.84	
<i>For &gt;500, Deduct</i>	-2.21	
<b>05 05 23 00-0133 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05)</small></b>		
<small>23 00-0098</small>		
05 05 23 00-0134 EA 3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.88	
<i>For &gt;100 To 250, Deduct</i>	-1.32	
<i>For &gt;250 To 500, Deduct</i>	-1.65	
<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0135 EA 3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.91	
<i>For &gt;100 To 250, Deduct</i>	-1.32	
<i>For &gt;250 To 500, Deduct</i>	-1.65	
<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0136 EA 3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.00	
<i>For &gt;100 To 250, Deduct</i>	-1.32	
<i>For &gt;250 To 500, Deduct</i>	-1.65	
<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0137 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.09	
<i>For &gt;100 To 250, Deduct</i>	-1.32	
<i>For &gt;250 To 500, Deduct</i>	-1.65	
<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0138 EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.36	
<i>For &gt;100 To 250, Deduct</i>	-1.36	
<i>For &gt;250 To 500, Deduct</i>	-1.70	
<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0139 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.52	
<i>For &gt;100 To 250, Deduct</i>	-1.36	
<i>For &gt;250 To 500, Deduct</i>	-1.70	
<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0140 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.68	
<i>For &gt;100 To 250, Deduct</i>	-1.36	
<i>For &gt;250 To 500, Deduct</i>	-1.70	
<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0141 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.02	
<i>For &gt;100 To 250, Deduct</i>	-1.40	
<i>For &gt;250 To 500, Deduct</i>	-1.75	
<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0142 EA 3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.23	
<i>For &gt;100 To 250, Deduct</i>	-1.40	
<i>For &gt;250 To 500, Deduct</i>	-1.75	
<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0143 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.35	
<i>For &gt;100 To 250, Deduct</i>	-1.40	
<i>For &gt;250 To 500, Deduct</i>	-1.75	
<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0144 EA 3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.76	
<i>For &gt;100 To 250, Deduct</i>	-1.43	
<i>For &gt;250 To 500, Deduct</i>	-1.79	
<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0145 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.88	
<i>For &gt;100 To 250, Deduct</i>	-1.43	
<i>For &gt;250 To 500, Deduct</i>	-1.79	
<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0146 EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.96	
<i>For &gt;100 To 250, Deduct</i>	-1.43	
<i>For &gt;250 To 500, Deduct</i>	-1.79	
<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0147 EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.20	
<i>For &gt;100 To 250, Deduct</i>	-1.47	
<i>For &gt;250 To 500, Deduct</i>	-1.84	
<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0148 EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.33	
<i>For &gt;100 To 250, Deduct</i>	-1.47	
<i>For &gt;250 To 500, Deduct</i>	-1.84	
<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0149 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.52	
<i>For &gt;100 To 250, Deduct</i>	-1.47	
<i>For &gt;250 To 500, Deduct</i>	-1.84	
<i>For &gt;500, Deduct</i>	-2.21	
<b>05 05 23 00-0150 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05)</small></b>		
<small>23 00-0098</small>		
05 05 23 00-0151 EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.21	
<i>For &gt;100 To 250, Deduct</i>	-1.51	
<i>For &gt;250 To 500, Deduct</i>	-1.89	
<i>For &gt;500, Deduct</i>	-2.27	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0152	EA		7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.34	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0153	EA		7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.36	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0154	EA		7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.72	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0155	EA		7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.92	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0156	EA		7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.08	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0157	EA		7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.69	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0158	EA		7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.81	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0159	EA		7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.05	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0160	EA		7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.64	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0161	EA		7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.76	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0162	EA		7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.05	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0163	EA		7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.36	
			<i>For &gt;100 To 250, Deduct</i>	-1.66	
			<i>For &gt;250 To 500, Deduct</i>	-2.08	
			<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0164	EA		7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.63	
			<i>For &gt;100 To 250, Deduct</i>	-1.66	
			<i>For &gt;250 To 500, Deduct</i>	-2.08	
			<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0165	EA		7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.16	
			<i>For &gt;100 To 250, Deduct</i>	-1.66	
			<i>For &gt;250 To 500, Deduct</i>	-2.08	
			<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0166			1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0167	EA		1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0168	EA		1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.26	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0169	EA		1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.42	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0170	EA		1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.77	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0171	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.94	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0172	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0173	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.51	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0174	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.69	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0175	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.03	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0176	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.27	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0177	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.31	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0178	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.58	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0179	EA		1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.02	
			<i>For &gt;100 To 250, Deduct</i>	-1.66	
			<i>For &gt;250 To 500, Deduct</i>	-2.08	
			<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0180	EA		1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.19	
			<i>For &gt;100 To 250, Deduct</i>	-1.66	
			<i>For &gt;250 To 500, Deduct</i>	-2.08	
			<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0181	EA		1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.67	
			<i>For &gt;100 To 250, Deduct</i>	-1.66	
			<i>For &gt;250 To 500, Deduct</i>	-2.08	
			<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0182	EA		1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0183	EA		1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.27	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0184	EA		1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.95	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0185	EA		1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.14	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
<b>05 05 23 00-0186</b>			<b>9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0098)</small>		
05 05 23 00-0187	EA		9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.27	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0188	EA		9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.48	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0189	EA		9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.53	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0190	EA		9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.42	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0191	EA		9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.70	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0192	EA		9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.80	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0193	EA		9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.03	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0194	EA		9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.09	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0195	EA		9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.33	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0196	EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.58	
	<i>For &gt;100 To 250, Deduct</i>	-1.62	
	<i>For &gt;250 To 500, Deduct</i>	-2.03	
	<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0197	EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.65	
	<i>For &gt;100 To 250, Deduct</i>	-1.62	
	<i>For &gt;250 To 500, Deduct</i>	-2.03	
	<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0198	EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.86	
	<i>For &gt;100 To 250, Deduct</i>	-1.62	
	<i>For &gt;250 To 500, Deduct</i>	-2.03	
	<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0199	EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.27	
	<i>For &gt;100 To 250, Deduct</i>	-1.66	
	<i>For &gt;250 To 500, Deduct</i>	-2.08	
	<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0200	EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.52	
	<i>For &gt;100 To 250, Deduct</i>	-1.66	
	<i>For &gt;250 To 500, Deduct</i>	-2.08	
	<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0201	EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.78	
	<i>For &gt;100 To 250, Deduct</i>	-1.66	
	<i>For &gt;250 To 500, Deduct</i>	-2.08	
	<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0202	EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.19	
	<i>For &gt;100 To 250, Deduct</i>	-1.70	
	<i>For &gt;250 To 500, Deduct</i>	-2.12	
	<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0203	EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.49	
	<i>For &gt;100 To 250, Deduct</i>	-1.70	
	<i>For &gt;250 To 500, Deduct</i>	-2.12	
	<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0204	EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.69	
	<i>For &gt;100 To 250, Deduct</i>	-1.70	
	<i>For &gt;250 To 500, Deduct</i>	-2.12	
	<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0205	EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.99	
	<i>For &gt;100 To 250, Deduct</i>	-1.70	
	<i>For &gt;250 To 500, Deduct</i>	-2.12	
	<i>For &gt;500, Deduct</i>	-2.55	

05 05 23 00-0206 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <sup>105 05</sup>

05 05 23 00-0207	EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.68	
	<i>For &gt;100 To 250, Deduct</i>	-1.70	
	<i>For &gt;250 To 500, Deduct</i>	-2.12	
	<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0208	EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.82	
	<i>For &gt;100 To 250, Deduct</i>	-1.70	
	<i>For &gt;250 To 500, Deduct</i>	-2.12	
	<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0209	EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.01	
	<i>For &gt;100 To 250, Deduct</i>	-1.70	
	<i>For &gt;250 To 500, Deduct</i>	-2.12	
	<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0210	EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.45	
	<i>For &gt;100 To 250, Deduct</i>	-1.74	
	<i>For &gt;250 To 500, Deduct</i>	-2.17	
	<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-0211	EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.73	
	<i>For &gt;100 To 250, Deduct</i>	-1.74	
	<i>For &gt;250 To 500, Deduct</i>	-2.17	
	<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-0212	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.08	
	<i>For &gt;100 To 250, Deduct</i>	-1.74	
	<i>For &gt;250 To 500, Deduct</i>	-2.17	
	<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-0213	EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.71	
	<i>For &gt;100 To 250, Deduct</i>	-1.77	
	<i>For &gt;250 To 500, Deduct</i>	-2.22	
	<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0214	EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.24	
	<i>For &gt;100 To 250, Deduct</i>	-1.77	
	<i>For &gt;250 To 500, Deduct</i>	-2.22	
	<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0215	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.65	
	<i>For &gt;100 To 250, Deduct</i>	-1.77	
	<i>For &gt;250 To 500, Deduct</i>	-2.22	
	<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0216	EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.01	
	<i>For &gt;100 To 250, Deduct</i>	-1.81	
	<i>For &gt;250 To 500, Deduct</i>	-2.26	
	<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-0217	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.06	
	<i>For &gt;100 To 250, Deduct</i>	-1.81	
	<i>For &gt;250 To 500, Deduct</i>	-2.26	
	<i>For &gt;500, Deduct</i>	-2.72	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0218	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.77	
		<i>For &gt;100 To 250, Deduct</i>	-1.81	
		<i>For &gt;250 To 500, Deduct</i>	-2.26	
		<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-0219	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.36	
		<i>For &gt;100 To 250, Deduct</i>	-1.85	
		<i>For &gt;250 To 500, Deduct</i>	-2.31	
		<i>For &gt;500, Deduct</i>	-2.77	
05 05 23 00-0220	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.92	
		<i>For &gt;100 To 250, Deduct</i>	-1.85	
		<i>For &gt;250 To 500, Deduct</i>	-2.31	
		<i>For &gt;500, Deduct</i>	-2.77	
05 05 23 00-0221	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.57	
		<i>For &gt;100 To 250, Deduct</i>	-1.85	
		<i>For &gt;250 To 500, Deduct</i>	-2.31	
		<i>For &gt;500, Deduct</i>	-2.77	
05 05 23 00-0222	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.46	
		<i>For &gt;100 To 250, Deduct</i>	-1.89	
		<i>For &gt;250 To 500, Deduct</i>	-2.36	
		<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0223	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.10	
		<i>For &gt;100 To 250, Deduct</i>	-1.89	
		<i>For &gt;250 To 500, Deduct</i>	-2.36	
		<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0224	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.76	
		<i>For &gt;100 To 250, Deduct</i>	-1.89	
		<i>For &gt;250 To 500, Deduct</i>	-2.36	
		<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0225	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.26	
		<i>For &gt;100 To 250, Deduct</i>	-1.89	
		<i>For &gt;250 To 500, Deduct</i>	-2.36	
		<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0226		<b>3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0098)</small>		
05 05 23 00-0227	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.16	
		<i>For &gt;100 To 250, Deduct</i>	-1.70	
		<i>For &gt;250 To 500, Deduct</i>	-2.12	
		<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0228	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.45	
		<i>For &gt;100 To 250, Deduct</i>	-1.70	
		<i>For &gt;250 To 500, Deduct</i>	-2.12	
		<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0229	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.72	
		<i>For &gt;100 To 250, Deduct</i>	-1.70	
		<i>For &gt;250 To 500, Deduct</i>	-2.12	
		<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0230	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.24	
		<i>For &gt;100 To 250, Deduct</i>	-1.74	
		<i>For &gt;250 To 500, Deduct</i>	-2.17	
		<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-0231	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.65	
		<i>For &gt;100 To 250, Deduct</i>	-1.74	
		<i>For &gt;250 To 500, Deduct</i>	-2.17	
		<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-0232	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.01	
		<i>For &gt;100 To 250, Deduct</i>	-1.74	
		<i>For &gt;250 To 500, Deduct</i>	-2.17	
		<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-0233	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.60	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0234	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.11	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0235	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.51	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0236	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.51	
		<i>For &gt;100 To 250, Deduct</i>	-1.81	
		<i>For &gt;250 To 500, Deduct</i>	-2.26	
		<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-0237	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.85	
		<i>For &gt;100 To 250, Deduct</i>	-1.81	
		<i>For &gt;250 To 500, Deduct</i>	-2.26	
		<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-0238	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.47	
		<i>For &gt;100 To 250, Deduct</i>	-1.81	
		<i>For &gt;250 To 500, Deduct</i>	-2.26	
		<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-0239	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.70	
		<i>For &gt;100 To 250, Deduct</i>	-1.85	
		<i>For &gt;250 To 500, Deduct</i>	-2.31	
		<i>For &gt;500, Deduct</i>	-2.77	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0240	EA		3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.17	
			<i>For &gt;100 To 250, Deduct</i>	-1.85	
			<i>For &gt;250 To 500, Deduct</i>	-2.31	
			<i>For &gt;500, Deduct</i>	-2.77	
05 05 23 00-0241	EA		3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.85	
			<i>For &gt;100 To 250, Deduct</i>	-1.85	
			<i>For &gt;250 To 500, Deduct</i>	-2.31	
			<i>For &gt;500, Deduct</i>	-2.77	
05 05 23 00-0242	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.93	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0243	EA		3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.61	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0244	EA		3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.52	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0245	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.39	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0246			<b>7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0098)</small>		
05 05 23 00-0247	EA		7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.63	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0248	EA		7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.87	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0249	EA		7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.99	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0250	EA		7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.52	
			<i>For &gt;100 To 250, Deduct</i>	-1.93	
			<i>For &gt;250 To 500, Deduct</i>	-2.41	
			<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-0251	EA		7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.19	
			<i>For &gt;100 To 250, Deduct</i>	-1.93	
			<i>For &gt;250 To 500, Deduct</i>	-2.41	
			<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-0252	EA		7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.93	
			<i>For &gt;250 To 500, Deduct</i>	-2.41	
			<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-0253	EA		7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.79	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0254	EA		7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.92	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0255	EA		7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.55	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0256	EA		7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.23	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0257	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.61	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0258	EA		7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.50	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0259	EA		7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.58	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0260	EA		7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.49	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0261	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.38	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0262 EA 7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.41	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.11	
05 05 23 00-0263 EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.36	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.11	
05 05 23 00-0264 EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.22	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.11	
05 05 23 00-0265 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.16	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.11	
<b>05 05 23 00-0266 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0098)</small>		
05 05 23 00-0267 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.72	
For >100 To 250, Deduct	-1.89	
For >250 To 500, Deduct	-2.36	
For >500, Deduct	-2.83	
05 05 23 00-0268 EA 1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.36	
For >100 To 250, Deduct	-1.89	
For >250 To 500, Deduct	-2.36	
For >500, Deduct	-2.83	
05 05 23 00-0269 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.59	
For >100 To 250, Deduct	-1.93	
For >250 To 500, Deduct	-2.41	
For >500, Deduct	-2.89	
05 05 23 00-0270 EA 1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.88	
For >100 To 250, Deduct	-1.93	
For >250 To 500, Deduct	-2.41	
For >500, Deduct	-2.89	
05 05 23 00-0271 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.05	
For >100 To 250, Deduct	-1.93	
For >250 To 500, Deduct	-2.41	
For >500, Deduct	-2.89	
05 05 23 00-0272 EA 1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.44	
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-2.45	
For >500, Deduct	-2.94	
05 05 23 00-0273 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.57	
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-2.45	
For >500, Deduct	-2.94	
05 05 23 00-0274 EA 1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.75	
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-2.45	
For >500, Deduct	-2.94	
05 05 23 00-0275 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.52	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.00	
05 05 23 00-0276 EA 1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.08	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.00	
05 05 23 00-0277 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.07	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.00	
05 05 23 00-0278 EA 1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.25	
For >100 To 250, Deduct	-2.04	
For >250 To 500, Deduct	-2.55	
For >500, Deduct	-3.06	
05 05 23 00-0279 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.22	
For >100 To 250, Deduct	-2.04	
For >250 To 500, Deduct	-2.55	
For >500, Deduct	-3.06	
05 05 23 00-0280 EA 1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.23	
For >100 To 250, Deduct	-2.04	
For >250 To 500, Deduct	-2.55	
For >500, Deduct	-3.06	
05 05 23 00-0281 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.23	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.11	
05 05 23 00-0282 EA 1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.38	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.11	
05 05 23 00-0283 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.39	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.11	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0284	EA		1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt .....	32.42	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
<b>05 05 23 00-0285</b>			<b>Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0097)</small>		
<b>05 05 23 00-0286</b>			<b>1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0287	EA		1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	6.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0288	EA		1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	6.83	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0289	EA		1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	6.87	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0290	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	6.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0291	EA		1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.24	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0292	EA		1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.39	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0293	EA		1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.56	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0294	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.87	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0295	EA		1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.08	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0296	EA		1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.22	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0297	EA		1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.56	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0298	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.69	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0299	EA		1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.82	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0300	EA		1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.19	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0301	EA		1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.37	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0302	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.56	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
<b>05 05 23 00-0303</b>			<b>5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0304	EA		5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	6.88	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0305	EA		5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	6.92	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0306	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	6.98	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0307 EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.10	
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-1.65	
For >500, Deduct	-1.98	
05 05 23 00-0308 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.37	
For >100 To 250, Deduct	-1.36	
For >250 To 500, Deduct	-1.70	
For >500, Deduct	-2.04	
05 05 23 00-0309 EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.52	
For >100 To 250, Deduct	-1.36	
For >250 To 500, Deduct	-1.70	
For >500, Deduct	-2.04	
05 05 23 00-0310 EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.78	
For >100 To 250, Deduct	-1.36	
For >250 To 500, Deduct	-1.70	
For >500, Deduct	-2.04	
05 05 23 00-0311 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.09	
For >100 To 250, Deduct	-1.40	
For >250 To 500, Deduct	-1.75	
For >500, Deduct	-2.09	
05 05 23 00-0312 EA 5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.29	
For >100 To 250, Deduct	-1.40	
For >250 To 500, Deduct	-1.75	
For >500, Deduct	-2.09	
05 05 23 00-0313 EA 5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.49	
For >100 To 250, Deduct	-1.40	
For >250 To 500, Deduct	-1.75	
For >500, Deduct	-2.09	
05 05 23 00-0314 EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.05	
For >100 To 250, Deduct	-1.43	
For >250 To 500, Deduct	-1.79	
For >500, Deduct	-2.15	
05 05 23 00-0315 EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.12	
For >100 To 250, Deduct	-1.43	
For >250 To 500, Deduct	-1.79	
For >500, Deduct	-2.15	
05 05 23 00-0316 EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.37	
For >100 To 250, Deduct	-1.43	
For >250 To 500, Deduct	-1.79	
For >500, Deduct	-2.15	
05 05 23 00-0317 EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.89	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.84	
For >500, Deduct	-2.21	
05 05 23 00-0318 EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.24	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.84	
For >500, Deduct	-2.21	
05 05 23 00-0319 EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.57	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.84	
For >500, Deduct	-2.21	
<b>05 05 23 00-0320 3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)</b>		
05 05 23 00-0321 EA 3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	6.94	
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-1.65	
For >500, Deduct	-1.98	
05 05 23 00-0322 EA 3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	6.97	
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-1.65	
For >500, Deduct	-1.98	
05 05 23 00-0323 EA 3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.08	
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-1.65	
For >500, Deduct	-1.98	
05 05 23 00-0324 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.21	
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-1.65	
For >500, Deduct	-1.98	
05 05 23 00-0325 EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.53	
For >100 To 250, Deduct	-1.36	
For >250 To 500, Deduct	-1.70	
For >500, Deduct	-2.04	
05 05 23 00-0326 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.68	
For >100 To 250, Deduct	-1.36	
For >250 To 500, Deduct	-1.70	
For >500, Deduct	-2.04	
05 05 23 00-0327 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.90	
For >100 To 250, Deduct	-1.36	
For >250 To 500, Deduct	-1.70	
For >500, Deduct	-2.04	
05 05 23 00-0328 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.33	
For >100 To 250, Deduct	-1.40	
For >250 To 500, Deduct	-1.75	
For >500, Deduct	-2.09	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0329	EA		3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.86	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0330	EA		3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0331	EA		3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.61	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0332	EA		3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.83	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0333	EA		3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.23	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0334	EA		3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.72	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0335	EA		3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	11.25	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0336	EA		3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	11.68	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0337			<b>7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small> .....	8.12	
05 05 23 00-0338	EA		7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.12	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0339	EA		7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.23	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0340	EA		7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0341	EA		7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.89	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0342	EA		7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.09	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0343	EA		7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.28	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0344	EA		7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.71	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0345	EA		7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.76	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0346	EA		7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	11.22	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0347	EA		7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	11.57	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0348	EA		7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	11.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0349	EA		7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.01	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0350	EA		7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.66	
			<i>For &gt;250 To 500, Deduct</i>	-2.08	
			<i>For &gt;500, Deduct</i>	-2.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0351 EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.80	
<i>For &gt;100 To 250, Deduct</i>	-1.66	
<i>For &gt;250 To 500, Deduct</i>	-2.08	
<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0352 EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	13.11	
<i>For &gt;100 To 250, Deduct</i>	-1.66	
<i>For &gt;250 To 500, Deduct</i>	-2.08	
<i>For &gt;500, Deduct</i>	-2.49	
<b>05 05 23 00-0353 1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small></b>		
05 05 23 00-0354 EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.26	
<i>For &gt;100 To 250, Deduct</i>	-1.51	
<i>For &gt;250 To 500, Deduct</i>	-1.89	
<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0355 EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.41	
<i>For &gt;100 To 250, Deduct</i>	-1.51	
<i>For &gt;250 To 500, Deduct</i>	-1.89	
<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0356 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.56	
<i>For &gt;100 To 250, Deduct</i>	-1.51	
<i>For &gt;250 To 500, Deduct</i>	-1.89	
<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0357 EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.00	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0358 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.24	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0359 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.49	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0360 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.91	
<i>For &gt;100 To 250, Deduct</i>	-1.58	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0361 EA 1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.73	
<i>For &gt;100 To 250, Deduct</i>	-1.58	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0362 EA 1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.78	
<i>For &gt;100 To 250, Deduct</i>	-1.58	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0363 EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	11.54	
<i>For &gt;100 To 250, Deduct</i>	-1.62	
<i>For &gt;250 To 500, Deduct</i>	-2.03	
<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0364 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	11.86	
<i>For &gt;100 To 250, Deduct</i>	-1.62	
<i>For &gt;250 To 500, Deduct</i>	-2.03	
<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0365 EA 1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.69	
<i>For &gt;100 To 250, Deduct</i>	-1.62	
<i>For &gt;250 To 500, Deduct</i>	-2.03	
<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0366 EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	13.62	
<i>For &gt;100 To 250, Deduct</i>	-1.66	
<i>For &gt;250 To 500, Deduct</i>	-2.08	
<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0367 EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	14.08	
<i>For &gt;100 To 250, Deduct</i>	-1.66	
<i>For &gt;250 To 500, Deduct</i>	-2.08	
<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0368 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	14.26	
<i>For &gt;100 To 250, Deduct</i>	-1.66	
<i>For &gt;250 To 500, Deduct</i>	-2.08	
<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0369 EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	15.30	
<i>For &gt;100 To 250, Deduct</i>	-1.70	
<i>For &gt;250 To 500, Deduct</i>	-2.12	
<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0370 EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	16.11	
<i>For &gt;100 To 250, Deduct</i>	-1.70	
<i>For &gt;250 To 500, Deduct</i>	-2.12	
<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0371 EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	17.26	
<i>For &gt;100 To 250, Deduct</i>	-1.70	
<i>For &gt;250 To 500, Deduct</i>	-2.12	
<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0372 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	17.70	
<i>For &gt;100 To 250, Deduct</i>	-1.70	
<i>For &gt;250 To 500, Deduct</i>	-2.12	
<i>For &gt;500, Deduct</i>	-2.55	
<b>05 05 23 00-0373 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small></b>		

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0374	EA		9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.71	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0375	EA		9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.98	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0376	EA		9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.22	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0377	EA		9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.66	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0378	EA		9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.99	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0379	EA		9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.37	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0380	EA		9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.98	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0381	EA		9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.42	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0382	EA		9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.80	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0383	EA		9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	13.41	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0384	EA		9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	13.81	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0385	EA		9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	15.14	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0386	EA		9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	16.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.66	
			<i>For &gt;250 To 500, Deduct</i>	-2.08	
			<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0387	EA		9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	17.51	
			<i>For &gt;100 To 250, Deduct</i>	-1.66	
			<i>For &gt;250 To 500, Deduct</i>	-2.08	
			<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0388	EA		9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	18.43	
			<i>For &gt;100 To 250, Deduct</i>	-1.66	
			<i>For &gt;250 To 500, Deduct</i>	-2.08	
			<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0389	EA		9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	19.48	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0390	EA		9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	19.82	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0391	EA		9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	20.15	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0392	EA		9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	20.97	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0393			<b>5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> (05 05 23 00-0285)		
05 05 23 00-0394	EA		5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.93	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0395	EA		5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.02	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0396	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	10.10 -1.70 -2.12 -2.55	
05 05 23 00-0397	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	10.55 -1.74 -2.17 -2.60	
05 05 23 00-0398	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	10.98 -1.74 -2.17 -2.60	
05 05 23 00-0399	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	11.38 -1.74 -2.17 -2.60	
05 05 23 00-0400	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	11.99 -1.77 -2.22 -2.66	
05 05 23 00-0401	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	12.76 -1.77 -2.22 -2.66	
05 05 23 00-0402	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	13.17 -1.77 -2.22 -2.66	
05 05 23 00-0403	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	13.57 -1.81 -2.26 -2.72	
05 05 23 00-0404	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	14.23 -1.81 -2.26 -2.72	
05 05 23 00-0405	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	15.29 -1.81 -2.26 -2.72	
05 05 23 00-0406	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	16.43 -1.85 -2.31 -2.77	
05 05 23 00-0407	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	17.30 -1.85 -2.31 -2.77	
05 05 23 00-0408	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	17.43 -1.85 -2.31 -2.77	
05 05 23 00-0409	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	19.20 -1.89 -2.36 -2.83	
05 05 23 00-0410	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	20.37 -1.89 -2.36 -2.83	
05 05 23 00-0411	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	22.09 -1.89 -2.36 -2.83	
05 05 23 00-0412	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	22.69 -1.89 -2.36 -2.83	
05 05 23 00-0413		<b>3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0414	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	10.91 -1.70 -2.12 -2.55	
05 05 23 00-0415	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	11.09 -1.70 -2.12 -2.55	
05 05 23 00-0416	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	11.18 -1.70 -2.12 -2.55	
05 05 23 00-0417	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	11.74 -1.74 -2.17 -2.60	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0418	EA		3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.18	
			<i>For &gt;100 To 250, Deduct</i>	-1.74	
			<i>For &gt;250 To 500, Deduct</i>	-2.17	
			<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-0419	EA		3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.85	
			<i>For &gt;100 To 250, Deduct</i>	-1.74	
			<i>For &gt;250 To 500, Deduct</i>	-2.17	
			<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-0420	EA		3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	13.49	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0421	EA		3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	13.92	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0422	EA		3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	14.83	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0423	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	15.42	
			<i>For &gt;100 To 250, Deduct</i>	-1.81	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-0424	EA		3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	16.16	
			<i>For &gt;100 To 250, Deduct</i>	-1.81	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-0425	EA		3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	17.07	
			<i>For &gt;100 To 250, Deduct</i>	-1.81	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-0426	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	18.55	
			<i>For &gt;100 To 250, Deduct</i>	-1.85	
			<i>For &gt;250 To 500, Deduct</i>	-2.31	
			<i>For &gt;500, Deduct</i>	-2.77	
05 05 23 00-0427	EA		3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	19.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.85	
			<i>For &gt;250 To 500, Deduct</i>	-2.31	
			<i>For &gt;500, Deduct</i>	-2.77	
05 05 23 00-0428	EA		3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	20.03	
			<i>For &gt;100 To 250, Deduct</i>	-1.85	
			<i>For &gt;250 To 500, Deduct</i>	-2.31	
			<i>For &gt;500, Deduct</i>	-2.77	
05 05 23 00-0429	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	21.63	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0430	EA		3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	22.11	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0431	EA		3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	23.67	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0432	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	24.06	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	

**05 05 23 00-0433 7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts** (05 05 23 00-0285)

05 05 23 00-0434	EA		7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	13.09	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0435	EA		7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	13.31	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0436	EA		7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	13.60	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0437	EA		7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	14.09	
			<i>For &gt;100 To 250, Deduct</i>	-1.93	
			<i>For &gt;250 To 500, Deduct</i>	-2.41	
			<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-0438	EA		7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	14.97	
			<i>For &gt;100 To 250, Deduct</i>	-1.93	
			<i>For &gt;250 To 500, Deduct</i>	-2.41	
			<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-0439	EA		7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	15.56	
			<i>For &gt;100 To 250, Deduct</i>	-1.93	
			<i>For &gt;250 To 500, Deduct</i>	-2.41	
			<i>For &gt;500, Deduct</i>	-2.89	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0440	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	16.18 -1.96 -2.45 -2.94	
05 05 23 00-0441	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	17.22 -1.96 -2.45 -2.94	
05 05 23 00-0442	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	18.00 -1.96 -2.45 -2.94	
05 05 23 00-0443	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	18.57 -2.00 -2.50 -3.00	
05 05 23 00-0444	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	19.22 -2.00 -2.50 -3.00	
05 05 23 00-0445	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	22.02 -2.00 -2.50 -3.00	
05 05 23 00-0446	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	23.21 -2.04 -2.55 -3.06	
05 05 23 00-0447	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	24.43 -2.04 -2.55 -3.06	
05 05 23 00-0448	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	24.51 -2.04 -2.55 -3.06	
05 05 23 00-0449	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	26.48 -2.08 -2.60 -3.11	
05 05 23 00-0450	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	27.67 -2.08 -2.60 -3.11	
05 05 23 00-0451	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	28.70 -2.08 -2.60 -3.11	
05 05 23 00-0452	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	29.73 -2.08 -2.60 -3.11	
<b>05 05 23 00-0453</b>		<b>1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0454	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	15.05 -1.89 -2.36 -2.83	
05 05 23 00-0455	EA	1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	15.12 -1.89 -2.36 -2.83	
05 05 23 00-0456	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	15.97 -1.93 -2.41 -2.89	
05 05 23 00-0457	EA	1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	16.82 -1.93 -2.41 -2.89	
05 05 23 00-0458	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	17.45 -1.93 -2.41 -2.89	
05 05 23 00-0459	EA	1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	18.43 -1.96 -2.45 -2.94	
05 05 23 00-0460	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	19.43 -1.96 -2.45 -2.94	
05 05 23 00-0461	EA	1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	20.88 -1.96 -2.45 -2.94	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0462	EA		1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	22.11	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0463	EA		1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	22.42	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0464	EA		1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	24.44	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0465	EA		1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	25.94	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0466	EA		1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	28.10	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0467	EA		1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	28.71	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0468	EA		1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	35.82	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0469	EA		1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	36.36	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0470	EA		1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	37.84	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0471	EA		1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	38.85	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0472			Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0473			1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0474	EA		1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	6.80	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0475	EA		1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	6.91	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0476	EA		1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	6.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0477	EA		1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.07	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0478	EA		1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.33	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0479	EA		1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.45	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0480	EA		1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.57	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0481	EA		1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.75	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0482	EA		1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	8.09	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0483	EA		1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	8.41	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0484	EA		1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	8.76	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0485	EA		1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.93	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0486	EA		1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.14	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0487	EA		1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.48	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0488	EA		1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.89	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0489	EA		1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.08	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
<b>05 05 23 00-0490</b>			<b>5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0472)</small>		
05 05 23 00-0491	EA		5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.89	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0492	EA		5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0493	EA		5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.16	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0494	EA		5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.20	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0495	EA		5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0496	EA		5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.79	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0497	EA		5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.88	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0498	EA		5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.23	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0499	EA		5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.42	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0500	EA		5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.85	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0501	EA		5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.29	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0502	EA		5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.45	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0503	EA		5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.70	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0504	EA		5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.06	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0505	EA		5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.25	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0506	EA		5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.61	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
<b>05 05 23 00-0507</b>			<b>3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0472)</small>		

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0508	EA 3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.11	
	For >100 To 250, Deduct	-1.32	
	For >250 To 500, Deduct	-1.65	
	For >500, Deduct	-1.98	
05 05 23 00-0509	EA 3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.13	
	For >100 To 250, Deduct	-1.32	
	For >250 To 500, Deduct	-1.65	
	For >500, Deduct	-1.98	
05 05 23 00-0510	EA 3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.14	
	For >100 To 250, Deduct	-1.32	
	For >250 To 500, Deduct	-1.65	
	For >500, Deduct	-1.98	
05 05 23 00-0511	EA 3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.38	
	For >100 To 250, Deduct	-1.32	
	For >250 To 500, Deduct	-1.65	
	For >500, Deduct	-1.98	
05 05 23 00-0512	EA 3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.70	
	For >100 To 250, Deduct	-1.36	
	For >250 To 500, Deduct	-1.70	
	For >500, Deduct	-2.04	
05 05 23 00-0513	EA 3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.94	
	For >100 To 250, Deduct	-1.36	
	For >250 To 500, Deduct	-1.70	
	For >500, Deduct	-2.04	
05 05 23 00-0514	EA 3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.15	
	For >100 To 250, Deduct	-1.36	
	For >250 To 500, Deduct	-1.70	
	For >500, Deduct	-2.04	
05 05 23 00-0515	EA 3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.99	
	For >100 To 250, Deduct	-1.40	
	For >250 To 500, Deduct	-1.75	
	For >500, Deduct	-2.09	
05 05 23 00-0516	EA 3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.26	
	For >100 To 250, Deduct	-1.40	
	For >250 To 500, Deduct	-1.75	
	For >500, Deduct	-2.09	
05 05 23 00-0517	EA 3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.31	
	For >100 To 250, Deduct	-1.40	
	For >250 To 500, Deduct	-1.75	
	For >500, Deduct	-2.09	
05 05 23 00-0518	EA 3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.61	
	For >100 To 250, Deduct	-1.43	
	For >250 To 500, Deduct	-1.79	
	For >500, Deduct	-2.15	
05 05 23 00-0519	EA 3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.90	
	For >100 To 250, Deduct	-1.43	
	For >250 To 500, Deduct	-1.79	
	For >500, Deduct	-2.15	
05 05 23 00-0520	EA 3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.21	
	For >100 To 250, Deduct	-1.43	
	For >250 To 500, Deduct	-1.79	
	For >500, Deduct	-2.15	
05 05 23 00-0521	EA 3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.70	
	For >100 To 250, Deduct	-1.47	
	For >250 To 500, Deduct	-1.84	
	For >500, Deduct	-2.21	
05 05 23 00-0522	EA 3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.29	
	For >100 To 250, Deduct	-1.47	
	For >250 To 500, Deduct	-1.84	
	For >500, Deduct	-2.21	
05 05 23 00-0523	EA 3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.66	
	For >100 To 250, Deduct	-1.47	
	For >250 To 500, Deduct	-1.84	
	For >500, Deduct	-2.21	

**05 05 23 00-0524 7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)**

05 05 23 00-0525	EA 7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.27	
	For >100 To 250, Deduct	-1.51	
	For >250 To 500, Deduct	-1.89	
	For >500, Deduct	-2.27	
05 05 23 00-0526	EA 7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.31	
	For >100 To 250, Deduct	-1.51	
	For >250 To 500, Deduct	-1.89	
	For >500, Deduct	-2.27	
05 05 23 00-0527	EA 7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.68	
	For >100 To 250, Deduct	-1.51	
	For >250 To 500, Deduct	-1.89	
	For >500, Deduct	-2.27	
05 05 23 00-0528	EA 7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.89	
	For >100 To 250, Deduct	-1.55	
	For >250 To 500, Deduct	-1.93	
	For >500, Deduct	-2.32	
05 05 23 00-0529	EA 7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.30	
	For >100 To 250, Deduct	-1.55	
	For >250 To 500, Deduct	-1.93	
	For >500, Deduct	-2.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0530 EA 7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.53	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-1.93	
For >500, Deduct	-2.32	
05 05 23 00-0531 EA 7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.76	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-1.98	
For >500, Deduct	-2.38	
05 05 23 00-0532 EA 7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.68	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-1.98	
For >500, Deduct	-2.38	
05 05 23 00-0533 EA 7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.40	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-1.98	
For >500, Deduct	-2.38	
05 05 23 00-0534 EA 7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.08	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.44	
05 05 23 00-0535 EA 7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.33	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.44	
05 05 23 00-0536 EA 7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.70	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.44	
05 05 23 00-0537 EA 7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.44	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.49	
05 05 23 00-0538 EA 7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.66	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.49	
05 05 23 00-0539 EA 7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.75	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.49	
<b>05 05 23 00-0540 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)</b>		
05 05 23 00-0541 EA 1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.51	
For >100 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-1.89	
For >500, Deduct	-2.27	
05 05 23 00-0542 EA 1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.78	
For >100 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-1.89	
For >500, Deduct	-2.27	
05 05 23 00-0543 EA 1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.95	
For >100 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-1.89	
For >500, Deduct	-2.27	
05 05 23 00-0544 EA 1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.30	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-1.93	
For >500, Deduct	-2.32	
05 05 23 00-0545 EA 1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.60	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-1.93	
For >500, Deduct	-2.32	
05 05 23 00-0546 EA 1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.26	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-1.93	
For >500, Deduct	-2.32	
05 05 23 00-0547 EA 1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.92	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-1.98	
For >500, Deduct	-2.38	
05 05 23 00-0548 EA 1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.30	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-1.98	
For >500, Deduct	-2.38	
05 05 23 00-0549 EA 1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.58	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-1.98	
For >500, Deduct	-2.38	
05 05 23 00-0550 EA 1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.26	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.44	
05 05 23 00-0551 EA 1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.10	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.44	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0552	EA		1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.88	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0553	EA		1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.72	
			<i>For &gt;100 To 250, Deduct</i>	-1.66	
			<i>For &gt;250 To 500, Deduct</i>	-2.08	
			<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0554	EA		1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.07	
			<i>For &gt;100 To 250, Deduct</i>	-1.66	
			<i>For &gt;250 To 500, Deduct</i>	-2.08	
			<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0555	EA		1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.03	
			<i>For &gt;100 To 250, Deduct</i>	-1.66	
			<i>For &gt;250 To 500, Deduct</i>	-2.08	
			<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0556	EA		1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.82	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0557	EA		1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.51	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0558	EA		1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.87	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0559	EA		1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.59	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0560			9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small> .....	8.76	
05 05 23 00-0561	EA		9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.76	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0562	EA		9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.92	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0563	EA		9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.30	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0564	EA		9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.02	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0565	EA		9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.15	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0566	EA		9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.70	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0567	EA		9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.25	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0568	EA		9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.04	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0569	EA		9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.38	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0570	EA		9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.86	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0571	EA		9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.64	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0572	EA		9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.55	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0573	EA		9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.16	
			<i>For &gt;100 To 250, Deduct</i>	-1.66	
			<i>For &gt;250 To 500, Deduct</i>	-2.08	
			<i>For &gt;500, Deduct</i>	-2.49	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0574 EA 9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.38	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.49	
05 05 23 00-0575 EA 9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	29.98	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.49	
<b>05 05 23 00-0576 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)</b>		
05 05 23 00-0577 EA 5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.28	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.55	
05 05 23 00-0578 EA 5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.44	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.55	
05 05 23 00-0579 EA 5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.85	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.55	
05 05 23 00-0580 EA 5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.64	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0581 EA 5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.13	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0582 EA 5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.40	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0583 EA 5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.77	
For >100 To 250, Deduct	-1.77	
For >250 To 500, Deduct	-2.22	
For >500, Deduct	-2.66	
05 05 23 00-0584 EA 5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.65	
For >100 To 250, Deduct	-1.77	
For >250 To 500, Deduct	-2.22	
For >500, Deduct	-2.66	
05 05 23 00-0585 EA 5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.04	
For >100 To 250, Deduct	-1.77	
For >250 To 500, Deduct	-2.22	
For >500, Deduct	-2.66	
05 05 23 00-0586 EA 5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.63	
For >100 To 250, Deduct	-1.81	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.72	
05 05 23 00-0587 EA 5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.05	
For >100 To 250, Deduct	-1.81	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.72	
05 05 23 00-0588 EA 5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.91	
For >100 To 250, Deduct	-1.81	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.72	
05 05 23 00-0589 EA 5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.15	
For >100 To 250, Deduct	-1.85	
For >250 To 500, Deduct	-2.31	
For >500, Deduct	-2.77	
05 05 23 00-0590 EA 5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.14	
For >100 To 250, Deduct	-1.85	
For >250 To 500, Deduct	-2.31	
For >500, Deduct	-2.77	
05 05 23 00-0591 EA 5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.55	
For >100 To 250, Deduct	-1.85	
For >250 To 500, Deduct	-2.31	
For >500, Deduct	-2.77	
05 05 23 00-0592 EA 5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.49	
For >100 To 250, Deduct	-1.89	
For >250 To 500, Deduct	-2.36	
For >500, Deduct	-2.83	
05 05 23 00-0593 EA 5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.42	
For >100 To 250, Deduct	-1.89	
For >250 To 500, Deduct	-2.36	
For >500, Deduct	-2.83	
05 05 23 00-0594 EA 5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.57	
For >100 To 250, Deduct	-1.89	
For >250 To 500, Deduct	-2.36	
For >500, Deduct	-2.83	
05 05 23 00-0595 EA 5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.37	
For >100 To 250, Deduct	-1.89	
For >250 To 500, Deduct	-2.36	
For >500, Deduct	-2.83	
<b>05 05 23 00-0596 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)</b>		

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0597	EA		3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.19	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0598	EA		3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.37	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0599	EA		3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.49	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0600	EA		3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.93	
			<i>For &gt;100 To 250, Deduct</i>	-1.74	
			<i>For &gt;250 To 500, Deduct</i>	-2.17	
			<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-0601	EA		3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.29	
			<i>For &gt;100 To 250, Deduct</i>	-1.74	
			<i>For &gt;250 To 500, Deduct</i>	-2.17	
			<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-0602	EA		3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.34	
			<i>For &gt;100 To 250, Deduct</i>	-1.74	
			<i>For &gt;250 To 500, Deduct</i>	-2.17	
			<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-0603	EA		3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.97	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0604	EA		3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.07	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0605	EA		3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.49	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0606	EA		3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.19	
			<i>For &gt;100 To 250, Deduct</i>	-1.81	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-0607	EA		3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.94	
			<i>For &gt;100 To 250, Deduct</i>	-1.81	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-0608	EA		3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.34	
			<i>For &gt;100 To 250, Deduct</i>	-1.81	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-0609	EA		3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.23	
			<i>For &gt;100 To 250, Deduct</i>	-1.85	
			<i>For &gt;250 To 500, Deduct</i>	-2.31	
			<i>For &gt;500, Deduct</i>	-2.77	
05 05 23 00-0610	EA		3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.98	
			<i>For &gt;100 To 250, Deduct</i>	-1.85	
			<i>For &gt;250 To 500, Deduct</i>	-2.31	
			<i>For &gt;500, Deduct</i>	-2.77	
05 05 23 00-0611	EA		3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.36	
			<i>For &gt;100 To 250, Deduct</i>	-1.85	
			<i>For &gt;250 To 500, Deduct</i>	-2.31	
			<i>For &gt;500, Deduct</i>	-2.77	
05 05 23 00-0612	EA		3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.39	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0613	EA		3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.75	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0614	EA		3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.72	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0615	EA		3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.08	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0616			<b>7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> (05 05 23 00-0472)		
05 05 23 00-0617	EA		7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.67	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0618	EA		7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.13	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0619	EA	7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.01	
		<i>For &gt;100 To 250, Deduct</i>	-1.93	
		<i>For &gt;250 To 500, Deduct</i>	-2.41	
		<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-0620	EA	7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.40	
		<i>For &gt;100 To 250, Deduct</i>	-1.93	
		<i>For &gt;250 To 500, Deduct</i>	-2.41	
		<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-0621	EA	7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.56	
		<i>For &gt;100 To 250, Deduct</i>	-1.93	
		<i>For &gt;250 To 500, Deduct</i>	-2.41	
		<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-0622	EA	7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.03	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0623	EA	7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.37	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0624	EA	7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.23	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0625	EA	7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.40	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0626	EA	7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.66	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0627	EA	7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	28.89	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0628	EA	7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	30.16	
		<i>For &gt;100 To 250, Deduct</i>	-2.04	
		<i>For &gt;250 To 500, Deduct</i>	-2.55	
		<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0629	EA	7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	33.49	
		<i>For &gt;100 To 250, Deduct</i>	-2.04	
		<i>For &gt;250 To 500, Deduct</i>	-2.55	
		<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0630	EA	7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	34.84	
		<i>For &gt;100 To 250, Deduct</i>	-2.04	
		<i>For &gt;250 To 500, Deduct</i>	-2.55	
		<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0631	EA	7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	36.11	
		<i>For &gt;100 To 250, Deduct</i>	-2.08	
		<i>For &gt;250 To 500, Deduct</i>	-2.60	
		<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0632	EA	7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	36.49	
		<i>For &gt;100 To 250, Deduct</i>	-2.08	
		<i>For &gt;250 To 500, Deduct</i>	-2.60	
		<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0633	EA	7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	36.83	
		<i>For &gt;100 To 250, Deduct</i>	-2.08	
		<i>For &gt;250 To 500, Deduct</i>	-2.60	
		<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0634	EA	7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	37.63	
		<i>For &gt;100 To 250, Deduct</i>	-2.08	
		<i>For &gt;250 To 500, Deduct</i>	-2.60	
		<i>For &gt;500, Deduct</i>	-3.11	

**05 05 23 00-0635 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts** (05 05 23 00-0472)

05 05 23 00-0636	EA	1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.99	
		<i>For &gt;100 To 250, Deduct</i>	-1.89	
		<i>For &gt;250 To 500, Deduct</i>	-2.36	
		<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0637	EA	1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.14	
		<i>For &gt;100 To 250, Deduct</i>	-1.89	
		<i>For &gt;250 To 500, Deduct</i>	-2.36	
		<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0638	EA	1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.85	
		<i>For &gt;100 To 250, Deduct</i>	-1.93	
		<i>For &gt;250 To 500, Deduct</i>	-2.41	
		<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-0639	EA	1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.72	
		<i>For &gt;100 To 250, Deduct</i>	-1.93	
		<i>For &gt;250 To 500, Deduct</i>	-2.41	
		<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-0640	EA	1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.34	
		<i>For &gt;100 To 250, Deduct</i>	-1.93	
		<i>For &gt;250 To 500, Deduct</i>	-2.41	
		<i>For &gt;500, Deduct</i>	-2.89	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0641	EA		1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.95	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0642	EA		1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.35	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0643	EA		1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.21	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0644	EA		1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.28	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0645	EA		1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.07	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0646	EA		1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	29.97	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0647	EA		1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	30.76	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0648	EA		1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	35.17	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0649	EA		1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	35.93	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0650	EA		1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	38.47	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0651	EA		1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	39.75	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0652	EA		1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	43.10	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0653	EA		1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	45.16	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0654			Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-00997)</small>		
05 05 23 00-0655			1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0656	EA		1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	6.94	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0657	EA		1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	6.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0658	EA		1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	6.98	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0659	EA		1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	7.22	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0660	EA		1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	7.53	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0661	EA		1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	7.67	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0662	EA		1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	7.72	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0663	EA		1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	7.92	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST
05 05 23 00-0664	EA	1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.09	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0665	EA	1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.13	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0666	EA	1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.44	
		<i>For &gt;100 To 250, Deduct</i>	-1.43	
		<i>For &gt;250 To 500, Deduct</i>	-1.79	
		<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0667	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.58	
		<i>For &gt;100 To 250, Deduct</i>	-1.43	
		<i>For &gt;250 To 500, Deduct</i>	-1.79	
		<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0668	EA	1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.64	
		<i>For &gt;100 To 250, Deduct</i>	-1.43	
		<i>For &gt;250 To 500, Deduct</i>	-1.79	
		<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0669	EA	1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.96	
		<i>For &gt;100 To 250, Deduct</i>	-1.47	
		<i>For &gt;250 To 500, Deduct</i>	-1.84	
		<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0670	EA	1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.36	
		<i>For &gt;100 To 250, Deduct</i>	-1.47	
		<i>For &gt;250 To 500, Deduct</i>	-1.84	
		<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0671	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.86	
		<i>For &gt;100 To 250, Deduct</i>	-1.47	
		<i>For &gt;250 To 500, Deduct</i>	-1.84	
		<i>For &gt;500, Deduct</i>	-2.21	
<b>05 05 23 00-0672</b>		<b>5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b>		
		<small>(05 05 23 00-0654)</small>		
05 05 23 00-0673	EA	5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.84	
		<i>For &gt;100 To 250, Deduct</i>	-1.32	
		<i>For &gt;250 To 500, Deduct</i>	-1.65	
		<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0674	EA	5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.29	
		<i>For &gt;100 To 250, Deduct</i>	-1.32	
		<i>For &gt;250 To 500, Deduct</i>	-1.65	
		<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0675	EA	5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.34	
		<i>For &gt;100 To 250, Deduct</i>	-1.32	
		<i>For &gt;250 To 500, Deduct</i>	-1.65	
		<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0676	EA	5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.36	
		<i>For &gt;100 To 250, Deduct</i>	-1.32	
		<i>For &gt;250 To 500, Deduct</i>	-1.65	
		<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0677	EA	5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.75	
		<i>For &gt;100 To 250, Deduct</i>	-1.36	
		<i>For &gt;250 To 500, Deduct</i>	-1.70	
		<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0678	EA	5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.19	
		<i>For &gt;100 To 250, Deduct</i>	-1.36	
		<i>For &gt;250 To 500, Deduct</i>	-1.70	
		<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0679	EA	5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.27	
		<i>For &gt;100 To 250, Deduct</i>	-1.36	
		<i>For &gt;250 To 500, Deduct</i>	-1.70	
		<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0680	EA	5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.57	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0681	EA	5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.61	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0682	EA	5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.95	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0683	EA	5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.24	
		<i>For &gt;100 To 250, Deduct</i>	-1.43	
		<i>For &gt;250 To 500, Deduct</i>	-1.79	
		<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0684	EA	5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.37	
		<i>For &gt;100 To 250, Deduct</i>	-1.43	
		<i>For &gt;250 To 500, Deduct</i>	-1.79	
		<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0685	EA	5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.70	
		<i>For &gt;100 To 250, Deduct</i>	-1.43	
		<i>For &gt;250 To 500, Deduct</i>	-1.79	
		<i>For &gt;500, Deduct</i>	-2.15	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0686	EA		5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	10.56	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0687	EA		5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	11.09	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0688	EA		5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	11.58	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
<b>05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0654)</small>					
05 05 23 00-0690	EA		3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	6.98	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0691	EA		3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	7.09	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0692	EA		3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	7.19	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0693	EA		3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	7.48	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0694	EA		3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	7.79	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0695	EA		3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	8.02	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0696	EA		3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	8.19	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0697	EA		3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	8.59	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0698	EA		3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	8.71	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0699	EA		3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	8.99	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0700	EA		3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	9.30	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0701	EA		3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	9.69	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0702	EA		3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	9.75	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0703	EA		3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	9.97	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0704	EA		3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	10.01	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0705	EA		3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	10.46	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
<b>05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0654)</small>					
05 05 23 00-0707	EA		7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	8.61	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0708 EA 7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	9.11	
For >100 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-1.89	
For >500, Deduct	-2.27	
05 05 23 00-0709 EA 7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	9.50	
For >100 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-1.89	
For >500, Deduct	-2.27	
05 05 23 00-0710 EA 7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	10.33	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-1.93	
For >500, Deduct	-2.32	
05 05 23 00-0711 EA 7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	10.35	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-1.93	
For >500, Deduct	-2.32	
05 05 23 00-0712 EA 7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	10.39	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-1.93	
For >500, Deduct	-2.32	
05 05 23 00-0713 EA 7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	10.90	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-1.98	
For >500, Deduct	-2.38	
05 05 23 00-0714 EA 7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	11.26	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-1.98	
For >500, Deduct	-2.38	
05 05 23 00-0715 EA 7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	11.58	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-1.98	
For >500, Deduct	-2.38	
05 05 23 00-0716 EA 7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	12.14	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.44	
05 05 23 00-0717 EA 7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	12.52	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.44	
<b>05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)</b>		
05 05 23 00-0719 EA 1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	8.39	
For >100 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-1.89	
For >500, Deduct	-2.27	
05 05 23 00-0720 EA 1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	8.55	
For >100 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-1.89	
For >500, Deduct	-2.27	
05 05 23 00-0721 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	8.88	
For >100 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-1.89	
For >500, Deduct	-2.27	
05 05 23 00-0722 EA 1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	9.44	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-1.93	
For >500, Deduct	-2.32	
05 05 23 00-0723 EA 1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	9.69	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-1.93	
For >500, Deduct	-2.32	
05 05 23 00-0724 EA 1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	10.15	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-1.93	
For >500, Deduct	-2.32	
05 05 23 00-0725 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	10.42	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-1.98	
For >500, Deduct	-2.38	
05 05 23 00-0726 EA 1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	10.60	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-1.98	
For >500, Deduct	-2.38	
05 05 23 00-0727 EA 1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	10.97	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-1.98	
For >500, Deduct	-2.38	
05 05 23 00-0728 EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	11.34	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.44	
05 05 23 00-0729 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	11.76	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.44	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0730	EA	1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.80	
		<i>For &gt;100 To 250, Deduct</i>	-1.62	
		<i>For &gt;250 To 500, Deduct</i>	-2.03	
		<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0731	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.06	
		<i>For &gt;100 To 250, Deduct</i>	-1.66	
		<i>For &gt;250 To 500, Deduct</i>	-2.08	
		<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0732	EA	1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.16	
		<i>For &gt;100 To 250, Deduct</i>	-1.66	
		<i>For &gt;250 To 500, Deduct</i>	-2.08	
		<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0733	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.48	
		<i>For &gt;100 To 250, Deduct</i>	-1.66	
		<i>For &gt;250 To 500, Deduct</i>	-2.08	
		<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-0734	EA	1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.17	
		<i>For &gt;100 To 250, Deduct</i>	-1.70	
		<i>For &gt;250 To 500, Deduct</i>	-2.12	
		<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0735	EA	1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.42	
		<i>For &gt;100 To 250, Deduct</i>	-1.70	
		<i>For &gt;250 To 500, Deduct</i>	-2.12	
		<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0736	EA	1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.47	
		<i>For &gt;100 To 250, Deduct</i>	-1.70	
		<i>For &gt;250 To 500, Deduct</i>	-2.12	
		<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0737	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.62	
		<i>For &gt;100 To 250, Deduct</i>	-1.70	
		<i>For &gt;250 To 500, Deduct</i>	-2.12	
		<i>For &gt;500, Deduct</i>	-2.55	
<b>05 05 23 00-0738</b>		<b>5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b>		
		<small>(05 05 23 00-0654)</small>		
05 05 23 00-0739	EA	5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.92	
		<i>For &gt;100 To 250, Deduct</i>	-1.70	
		<i>For &gt;250 To 500, Deduct</i>	-2.12	
		<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0740	EA	5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.17	
		<i>For &gt;100 To 250, Deduct</i>	-1.70	
		<i>For &gt;250 To 500, Deduct</i>	-2.12	
		<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0741	EA	5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.34	
		<i>For &gt;100 To 250, Deduct</i>	-1.70	
		<i>For &gt;250 To 500, Deduct</i>	-2.12	
		<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0742	EA	5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.81	
		<i>For &gt;100 To 250, Deduct</i>	-1.74	
		<i>For &gt;250 To 500, Deduct</i>	-2.17	
		<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-0743	EA	5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.18	
		<i>For &gt;100 To 250, Deduct</i>	-1.74	
		<i>For &gt;250 To 500, Deduct</i>	-2.17	
		<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-0744	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.01	
		<i>For &gt;100 To 250, Deduct</i>	-1.74	
		<i>For &gt;250 To 500, Deduct</i>	-2.17	
		<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-0745	EA	5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.33	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0746	EA	5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.48	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0747	EA	5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.73	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0748	EA	5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.25	
		<i>For &gt;100 To 250, Deduct</i>	-1.81	
		<i>For &gt;250 To 500, Deduct</i>	-2.26	
		<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-0749	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.54	
		<i>For &gt;100 To 250, Deduct</i>	-1.81	
		<i>For &gt;250 To 500, Deduct</i>	-2.26	
		<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-0750	EA	5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.39	
		<i>For &gt;100 To 250, Deduct</i>	-1.81	
		<i>For &gt;250 To 500, Deduct</i>	-2.26	
		<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-0751	EA	5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.64	
		<i>For &gt;100 To 250, Deduct</i>	-1.85	
		<i>For &gt;250 To 500, Deduct</i>	-2.31	
		<i>For &gt;500, Deduct</i>	-2.77	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0752	EA 5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	16.13		
	For >100 To 250, Deduct		-1.85	
	For >250 To 500, Deduct		-2.31	
	For >500, Deduct		-2.77	
05 05 23 00-0753	EA 5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	16.57		
	For >100 To 250, Deduct		-1.85	
	For >250 To 500, Deduct		-2.31	
	For >500, Deduct		-2.77	
05 05 23 00-0754	EA 5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	17.38		
	For >100 To 250, Deduct		-1.89	
	For >250 To 500, Deduct		-2.36	
	For >500, Deduct		-2.83	
05 05 23 00-0755	EA 5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	18.09		
	For >100 To 250, Deduct		-1.89	
	For >250 To 500, Deduct		-2.36	
	For >500, Deduct		-2.83	
05 05 23 00-0756	EA 5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	19.70		
	For >100 To 250, Deduct		-1.89	
	For >250 To 500, Deduct		-2.36	
	For >500, Deduct		-2.83	
05 05 23 00-0757	EA 5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	19.82		
	For >100 To 250, Deduct		-1.89	
	For >250 To 500, Deduct		-2.36	
	For >500, Deduct		-2.83	

**05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts** (05 05 23 00-0654)

05 05 23 00-0759	EA 3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	11.13		
	For >100 To 250, Deduct		-1.70	
	For >250 To 500, Deduct		-2.12	
	For >500, Deduct		-2.55	
05 05 23 00-0760	EA 3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	11.18		
	For >100 To 250, Deduct		-1.70	
	For >250 To 500, Deduct		-2.12	
	For >500, Deduct		-2.55	
05 05 23 00-0761	EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	11.49		
	For >100 To 250, Deduct		-1.70	
	For >250 To 500, Deduct		-2.12	
	For >500, Deduct		-2.55	
05 05 23 00-0762	EA 3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	12.37		
	For >100 To 250, Deduct		-1.74	
	For >250 To 500, Deduct		-2.17	
	For >500, Deduct		-2.60	
05 05 23 00-0763	EA 3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	13.53		
	For >100 To 250, Deduct		-1.74	
	For >250 To 500, Deduct		-2.17	
	For >500, Deduct		-2.60	
05 05 23 00-0764	EA 3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	14.28		
	For >100 To 250, Deduct		-1.74	
	For >250 To 500, Deduct		-2.17	
	For >500, Deduct		-2.60	
05 05 23 00-0765	EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	14.87		
	For >100 To 250, Deduct		-1.77	
	For >250 To 500, Deduct		-2.22	
	For >500, Deduct		-2.66	
05 05 23 00-0766	EA 3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	14.93		
	For >100 To 250, Deduct		-1.77	
	For >250 To 500, Deduct		-2.22	
	For >500, Deduct		-2.66	
05 05 23 00-0767	EA 3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	15.09		
	For >100 To 250, Deduct		-1.77	
	For >250 To 500, Deduct		-2.22	
	For >500, Deduct		-2.66	
05 05 23 00-0768	EA 3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	15.38		
	For >100 To 250, Deduct		-1.81	
	For >250 To 500, Deduct		-2.26	
	For >500, Deduct		-2.72	
05 05 23 00-0769	EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	16.36		
	For >100 To 250, Deduct		-1.81	
	For >250 To 500, Deduct		-2.26	
	For >500, Deduct		-2.72	
05 05 23 00-0770	EA 3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	16.78		
	For >100 To 250, Deduct		-1.81	
	For >250 To 500, Deduct		-2.26	
	For >500, Deduct		-2.72	
05 05 23 00-0771	EA 3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	17.77		
	For >100 To 250, Deduct		-1.85	
	For >250 To 500, Deduct		-2.31	
	For >500, Deduct		-2.77	
05 05 23 00-0772	EA 3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	17.90		
	For >100 To 250, Deduct		-1.85	
	For >250 To 500, Deduct		-2.31	
	For >500, Deduct		-2.77	
05 05 23 00-0773	EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	18.30		
	For >100 To 250, Deduct		-1.85	
	For >250 To 500, Deduct		-2.31	
	For >500, Deduct		-2.77	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0774	EA 3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	19.09
	For >100 To 250, Deduct	-1.89
	For >250 To 500, Deduct	-2.36
	For >500, Deduct	-2.83
05 05 23 00-0775	EA 3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	19.52
	For >100 To 250, Deduct	-1.89
	For >250 To 500, Deduct	-2.36
	For >500, Deduct	-2.83
05 05 23 00-0776	EA 3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	19.76
	For >100 To 250, Deduct	-1.89
	For >250 To 500, Deduct	-2.36
	For >500, Deduct	-2.83
05 05 23 00-0777	EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	19.88
	For >100 To 250, Deduct	-1.89
	For >250 To 500, Deduct	-2.36
	For >500, Deduct	-2.83

05 05 23 00-0778 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)

05 05 23 00-0779	EA 7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	14.48
	For >100 To 250, Deduct	-1.89
	For >250 To 500, Deduct	-2.36
	For >500, Deduct	-2.83
05 05 23 00-0780	EA 7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	14.96
	For >100 To 250, Deduct	-1.89
	For >250 To 500, Deduct	-2.36
	For >500, Deduct	-2.83
05 05 23 00-0781	EA 7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	15.43
	For >100 To 250, Deduct	-1.93
	For >250 To 500, Deduct	-2.41
	For >500, Deduct	-2.89
05 05 23 00-0782	EA 7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	17.92
	For >100 To 250, Deduct	-1.93
	For >250 To 500, Deduct	-2.41
	For >500, Deduct	-2.89
05 05 23 00-0783	EA 7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	18.29
	For >100 To 250, Deduct	-1.93
	For >250 To 500, Deduct	-2.41
	For >500, Deduct	-2.89
05 05 23 00-0784	EA 7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	18.95
	For >100 To 250, Deduct	-1.96
	For >250 To 500, Deduct	-2.45
	For >500, Deduct	-2.94
05 05 23 00-0785	EA 7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	19.47
	For >100 To 250, Deduct	-1.96
	For >250 To 500, Deduct	-2.45
	For >500, Deduct	-2.94
05 05 23 00-0786	EA 7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	20.14
	For >100 To 250, Deduct	-1.96
	For >250 To 500, Deduct	-2.45
	For >500, Deduct	-2.94
05 05 23 00-0787	EA 7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	20.79
	For >100 To 250, Deduct	-2.00
	For >250 To 500, Deduct	-2.50
	For >500, Deduct	-3.00
05 05 23 00-0788	EA 7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	21.31
	For >100 To 250, Deduct	-2.00
	For >250 To 500, Deduct	-2.50
	For >500, Deduct	-3.00
05 05 23 00-0789	EA 7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	25.43
	For >100 To 250, Deduct	-2.00
	For >250 To 500, Deduct	-2.50
	For >500, Deduct	-3.00
05 05 23 00-0790	EA 7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	26.19
	For >100 To 250, Deduct	-2.04
	For >250 To 500, Deduct	-2.55
	For >500, Deduct	-3.06
05 05 23 00-0791	EA 7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	27.15
	For >100 To 250, Deduct	-2.04
	For >250 To 500, Deduct	-2.55
	For >500, Deduct	-3.06
05 05 23 00-0792	EA 7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	27.38
	For >100 To 250, Deduct	-2.04
	For >250 To 500, Deduct	-2.55
	For >500, Deduct	-3.06
05 05 23 00-0793	EA 7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	27.83
	For >100 To 250, Deduct	-2.08
	For >250 To 500, Deduct	-2.60
	For >500, Deduct	-3.11
05 05 23 00-0794	EA 7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	28.37
	For >100 To 250, Deduct	-2.08
	For >250 To 500, Deduct	-2.60
	For >500, Deduct	-3.11
05 05 23 00-0795	EA 7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	29.03
	For >100 To 250, Deduct	-2.08
	For >250 To 500, Deduct	-2.60
	For >500, Deduct	-3.11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0796	EA		7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.66	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
<b>05 05 23 00-0797</b>			<b>1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b>		
			<small>(05 05 23 00-0654)</small>		
05 05 23 00-0798	EA		1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.82	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0799	EA		1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.17	
			<i>For &gt;100 To 250, Deduct</i>	-1.93	
			<i>For &gt;250 To 500, Deduct</i>	-2.41	
			<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-0800	EA		1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.06	
			<i>For &gt;100 To 250, Deduct</i>	-1.93	
			<i>For &gt;250 To 500, Deduct</i>	-2.41	
			<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-0801	EA		1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.77	
			<i>For &gt;100 To 250, Deduct</i>	-1.93	
			<i>For &gt;250 To 500, Deduct</i>	-2.41	
			<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-0802	EA		1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.56	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0803	EA		1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.92	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0804	EA		1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0805	EA		1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.26	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0806	EA		1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.64	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0807	EA		1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	27.17	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0808	EA		1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	28.03	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0809	EA		1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.51	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0810	EA		1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	30.97	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0811	EA		1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	31.60	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0812	EA		1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	32.79	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0813	EA		1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	33.70	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0814	EA		1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	35.03	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
<b>05 05 23 00-0815</b>			<b>304/18-8 Stainless Steel, Hex Head Bolts</b>		
			<small>(05 05 23 00-0097)</small>		
<b>05 05 23 00-0816</b>			<b>1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b>		
			<small>(05 05 23 00-0815)</small>		
05 05 23 00-0817	EA		1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.87	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0818	EA		1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.97	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0819	EA		1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.09	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0820	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.23	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0821	EA		1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.55	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0822	EA		1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.75	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0823	EA		1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.99	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0824	EA		1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.35	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0825	EA		1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.64	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0826	EA		1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.91	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0827	EA		1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.32	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0828	EA		1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.76	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0829	EA		1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.07	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0830	EA		1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	17.86	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0831	EA		1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.11	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0832	EA		1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	18.70	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0833			<b>5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> (05 05 23 00-0815)		
05 05 23 00-0834	EA		5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.05	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0835	EA		5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.14	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0836	EA		5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.33	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0837	EA		5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.49	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0838	EA		5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.95	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0839	EA		5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.05	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0840	EA		5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.55	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

05 05 23 00-0841	EA	5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.07	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0842	EA	5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.63	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0843	EA	5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.91	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0844	EA	5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.94	
		<i>For &gt;100 To 250, Deduct</i>	-1.43	
		<i>For &gt;250 To 500, Deduct</i>	-1.79	
		<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0845	EA	5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	12.33	
		<i>For &gt;100 To 250, Deduct</i>	-1.43	
		<i>For &gt;250 To 500, Deduct</i>	-1.79	
		<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0846	EA	5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.49	
		<i>For &gt;100 To 250, Deduct</i>	-1.43	
		<i>For &gt;250 To 500, Deduct</i>	-1.79	
		<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0847	EA	5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	20.80	
		<i>For &gt;100 To 250, Deduct</i>	-1.47	
		<i>For &gt;250 To 500, Deduct</i>	-1.84	
		<i>For &gt;500, Deduct</i>	-2.21	

**05 05 23 00-0848      3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts** (05 05 23 00-0815)

05 05 23 00-0849	EA	3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.29	
		<i>For &gt;100 To 250, Deduct</i>	-1.32	
		<i>For &gt;250 To 500, Deduct</i>	-1.65	
		<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0850	EA	3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.40	
		<i>For &gt;100 To 250, Deduct</i>	-1.32	
		<i>For &gt;250 To 500, Deduct</i>	-1.65	
		<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0851	EA	3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.70	
		<i>For &gt;100 To 250, Deduct</i>	-1.32	
		<i>For &gt;250 To 500, Deduct</i>	-1.65	
		<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0852	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.08	
		<i>For &gt;100 To 250, Deduct</i>	-1.32	
		<i>For &gt;250 To 500, Deduct</i>	-1.65	
		<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0853	EA	3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.46	
		<i>For &gt;100 To 250, Deduct</i>	-1.36	
		<i>For &gt;250 To 500, Deduct</i>	-1.70	
		<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0854	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.77	
		<i>For &gt;100 To 250, Deduct</i>	-1.36	
		<i>For &gt;250 To 500, Deduct</i>	-1.70	
		<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0855	EA	3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.17	
		<i>For &gt;100 To 250, Deduct</i>	-1.36	
		<i>For &gt;250 To 500, Deduct</i>	-1.70	
		<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0856	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.71	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0857	EA	3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.18	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0858	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.22	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0859	EA	3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.54	
		<i>For &gt;100 To 250, Deduct</i>	-1.43	
		<i>For &gt;250 To 500, Deduct</i>	-1.79	
		<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0860	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.40	
		<i>For &gt;100 To 250, Deduct</i>	-1.43	
		<i>For &gt;250 To 500, Deduct</i>	-1.79	
		<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0861	EA	3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.23	
		<i>For &gt;100 To 250, Deduct</i>	-1.43	
		<i>For &gt;250 To 500, Deduct</i>	-1.79	
		<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-0862	EA	3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.85	
		<i>For &gt;100 To 250, Deduct</i>	-1.47	
		<i>For &gt;250 To 500, Deduct</i>	-1.84	
		<i>For &gt;500, Deduct</i>	-2.21	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0863	EA		3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.11	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-0864	EA		3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	16.94	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
<b>05 05 23 00-0865</b>			<b>7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0815)</small>		
05 05 23 00-0866	EA		7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.20	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0867	EA		7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.32	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0868	EA		7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.81	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0869	EA		7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.28	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0870	EA		7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	10.86	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0871	EA		7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.83	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0872	EA		7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	12.47	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0873	EA		7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	13.61	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0874	EA		7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	14.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0875	EA		7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.86	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0876	EA		7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	17.59	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0877	EA		7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.83	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0878	EA		7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	18.21	
			<i>For &gt;100 To 250, Deduct</i>	-1.66	
			<i>For &gt;250 To 500, Deduct</i>	-2.08	
			<i>For &gt;500, Deduct</i>	-2.49	
<b>05 05 23 00-0879</b>			<b>1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0815)</small>		
05 05 23 00-0880	EA		1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.19	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0881	EA		1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.32	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0882	EA		1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	10.09	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-0883	EA		1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.57	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0884	EA		1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.27	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0885	EA		1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.64	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0886	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.29	
		For >100 To 250, Deduct	-1.58	
		For >250 To 500, Deduct	-1.98	
		For >500, Deduct	-2.38	
05 05 23 00-0887	EA	1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.62	
		For >100 To 250, Deduct	-1.58	
		For >250 To 500, Deduct	-1.98	
		For >500, Deduct	-2.38	
05 05 23 00-0888	EA	1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.44	
		For >100 To 250, Deduct	-1.58	
		For >250 To 500, Deduct	-1.98	
		For >500, Deduct	-2.38	
05 05 23 00-0889	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.14	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.03	
		For >500, Deduct	-2.44	
05 05 23 00-0890	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.95	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.03	
		For >500, Deduct	-2.44	
05 05 23 00-0891	EA	1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	16.88	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.03	
		For >500, Deduct	-2.44	
05 05 23 00-0892	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.44	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.49	
05 05 23 00-0893	EA	1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.99	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.49	
05 05 23 00-0894	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.86	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.49	
05 05 23 00-0895	EA	1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	24.33	
		For >100 To 250, Deduct	-1.70	
		For >250 To 500, Deduct	-2.12	
		For >500, Deduct	-2.55	
05 05 23 00-0896	EA	1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	24.67	
		For >100 To 250, Deduct	-1.70	
		For >250 To 500, Deduct	-2.12	
		For >500, Deduct	-2.55	
05 05 23 00-0897	EA	1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	27.08	
		For >100 To 250, Deduct	-1.70	
		For >250 To 500, Deduct	-2.12	
		For >500, Deduct	-2.55	
05 05 23 00-0898	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	29.48	
		For >100 To 250, Deduct	-1.70	
		For >250 To 500, Deduct	-2.12	
		For >500, Deduct	-2.55	

**05 05 23 00-0899 9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts** (05 05 23 00-0815)

05 05 23 00-0900	EA	9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	13.18	
		For >100 To 250, Deduct	-1.51	
		For >250 To 500, Deduct	-1.89	
		For >500, Deduct	-2.27	
05 05 23 00-0901	EA	9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.76	
		For >100 To 250, Deduct	-1.51	
		For >250 To 500, Deduct	-1.89	
		For >500, Deduct	-2.27	
05 05 23 00-0902	EA	9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	17.53	
		For >100 To 250, Deduct	-1.51	
		For >250 To 500, Deduct	-1.89	
		For >500, Deduct	-2.27	
05 05 23 00-0903	EA	9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.27	
		For >100 To 250, Deduct	-1.55	
		For >250 To 500, Deduct	-1.93	
		For >500, Deduct	-2.32	
05 05 23 00-0904	EA	9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	19.25	
		For >100 To 250, Deduct	-1.55	
		For >250 To 500, Deduct	-1.93	
		For >500, Deduct	-2.32	
05 05 23 00-0905	EA	9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	20.97	
		For >100 To 250, Deduct	-1.55	
		For >250 To 500, Deduct	-1.93	
		For >500, Deduct	-2.32	
05 05 23 00-0906	EA	9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	23.69	
		For >100 To 250, Deduct	-1.58	
		For >250 To 500, Deduct	-1.98	
		For >500, Deduct	-2.38	
05 05 23 00-0907	EA	9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	24.07	
		For >100 To 250, Deduct	-1.58	
		For >250 To 500, Deduct	-1.98	
		For >500, Deduct	-2.38	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0908	EA 9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	27.71	
	For >100 To 250, Deduct	-1.58	
	For >250 To 500, Deduct	-1.98	
	For >500, Deduct	-2.38	
05 05 23 00-0909	EA 9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	29.61	
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.03	
	For >500, Deduct	-2.44	
05 05 23 00-0910	EA 9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	31.55	
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.03	
	For >500, Deduct	-2.44	
05 05 23 00-0911	5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0915)		
05 05 23 00-0912	EA 5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.47	
	For >100 To 250, Deduct	-1.70	
	For >250 To 500, Deduct	-2.12	
	For >500, Deduct	-2.55	
05 05 23 00-0913	EA 5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.83	
	For >100 To 250, Deduct	-1.70	
	For >250 To 500, Deduct	-2.12	
	For >500, Deduct	-2.55	
05 05 23 00-0914	EA 5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	13.34	
	For >100 To 250, Deduct	-1.70	
	For >250 To 500, Deduct	-2.12	
	For >500, Deduct	-2.55	
05 05 23 00-0915	EA 5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	13.78	
	For >100 To 250, Deduct	-1.74	
	For >250 To 500, Deduct	-2.17	
	For >500, Deduct	-2.60	
05 05 23 00-0916	EA 5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	14.50	
	For >100 To 250, Deduct	-1.74	
	For >250 To 500, Deduct	-2.17	
	For >500, Deduct	-2.60	
05 05 23 00-0917	EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.53	
	For >100 To 250, Deduct	-1.74	
	For >250 To 500, Deduct	-2.17	
	For >500, Deduct	-2.60	
05 05 23 00-0918	EA 5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	17.01	
	For >100 To 250, Deduct	-1.77	
	For >250 To 500, Deduct	-2.22	
	For >500, Deduct	-2.66	
05 05 23 00-0919	EA 5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.02	
	For >100 To 250, Deduct	-1.77	
	For >250 To 500, Deduct	-2.22	
	For >500, Deduct	-2.66	
05 05 23 00-0920	EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	18.17	
	For >100 To 250, Deduct	-1.77	
	For >250 To 500, Deduct	-2.22	
	For >500, Deduct	-2.66	
05 05 23 00-0921	EA 5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.01	
	For >100 To 250, Deduct	-1.81	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.72	
05 05 23 00-0922	EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	20.05	
	For >100 To 250, Deduct	-1.81	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.72	
05 05 23 00-0923	EA 5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	23.85	
	For >100 To 250, Deduct	-1.81	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.72	
05 05 23 00-0924	EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	26.11	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.77	
05 05 23 00-0925	EA 5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	27.83	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.77	
05 05 23 00-0926	EA 5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	28.61	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.77	
05 05 23 00-0927	EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	31.98	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.36	
	For >500, Deduct	-2.83	
05 05 23 00-0928	EA 5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	32.99	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.36	
	For >500, Deduct	-2.83	
05 05 23 00-0929	EA 5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	37.51	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.36	
	For >500, Deduct	-2.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0930	EA		5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	39.37	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
<b>05 05 23 00-0931</b>			<b>3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0815)</small>		
05 05 23 00-0932	EA		3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	13.12	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0933	EA		3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	13.83	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0934	EA		3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.76	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-0935	EA		3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.74	
			<i>For &gt;250 To 500, Deduct</i>	-2.17	
			<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-0936	EA		3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	16.99	
			<i>For &gt;100 To 250, Deduct</i>	-1.74	
			<i>For &gt;250 To 500, Deduct</i>	-2.17	
			<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-0937	EA		3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.72	
			<i>For &gt;100 To 250, Deduct</i>	-1.74	
			<i>For &gt;250 To 500, Deduct</i>	-2.17	
			<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-0938	EA		3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.94	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0939	EA		3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	21.54	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0940	EA		3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	22.83	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0941	EA		3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	24.34	
			<i>For &gt;100 To 250, Deduct</i>	-1.81	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-0942	EA		3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	25.84	
			<i>For &gt;100 To 250, Deduct</i>	-1.81	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-0943	EA		3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	28.66	
			<i>For &gt;100 To 250, Deduct</i>	-1.81	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-0944	EA		3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	36.32	
			<i>For &gt;100 To 250, Deduct</i>	-1.85	
			<i>For &gt;250 To 500, Deduct</i>	-2.31	
			<i>For &gt;500, Deduct</i>	-2.77	
05 05 23 00-0945	EA		3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	38.71	
			<i>For &gt;100 To 250, Deduct</i>	-1.85	
			<i>For &gt;250 To 500, Deduct</i>	-2.31	
			<i>For &gt;500, Deduct</i>	-2.77	
05 05 23 00-0946	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	43.81	
			<i>For &gt;100 To 250, Deduct</i>	-1.85	
			<i>For &gt;250 To 500, Deduct</i>	-2.31	
			<i>For &gt;500, Deduct</i>	-2.77	
05 05 23 00-0947	EA		3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	44.23	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0948	EA		3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	45.04	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0949	EA		3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	47.21	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0950	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	48.89	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
<b>05 05 23 00-0951</b>			<b>7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0815)</small>		
05 05 23 00-0952	EA		7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0953	EA		7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	20.26	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0954	EA		7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	21.80	
			<i>For &gt;100 To 250, Deduct</i>	-1.93	
			<i>For &gt;250 To 500, Deduct</i>	-2.41	
			<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-0955	EA		7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	23.59	
			<i>For &gt;100 To 250, Deduct</i>	-1.93	
			<i>For &gt;250 To 500, Deduct</i>	-2.41	
			<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-0956	EA		7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	24.18	
			<i>For &gt;100 To 250, Deduct</i>	-1.93	
			<i>For &gt;250 To 500, Deduct</i>	-2.41	
			<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-0957	EA		7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	25.83	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0958	EA		7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	26.39	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0959	EA		7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	30.29	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0960	EA		7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	31.06	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0961	EA		7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	32.56	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0962	EA		7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	40.81	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0963	EA		7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	44.16	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0964	EA		7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	47.86	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0965	EA		7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	50.85	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0966	EA		7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	60.09	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0967	EA		7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	67.34	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0968	EA		7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	70.70	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0969	EA		7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	74.04	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0970			1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small> .....	22.77	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0972	EA		1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	24.06	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-0973	EA		1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	26.17	
			<i>For &gt;100 To 250, Deduct</i>	-1.93	
			<i>For &gt;250 To 500, Deduct</i>	-2.41	
			<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-0974	EA		1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	27.79	
			<i>For &gt;100 To 250, Deduct</i>	-1.93	
			<i>For &gt;250 To 500, Deduct</i>	-2.41	
			<i>For &gt;500, Deduct</i>	-2.89	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0975	EA		1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.46	
			<i>For &gt;100 To 250, Deduct</i>	-1.93	
			<i>For &gt;250 To 500, Deduct</i>	-2.41	
			<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-0976	EA		1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.63	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0977	EA		1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.49	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0978	EA		1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.24	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0979	EA		1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.00	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0980	EA		1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.16	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0981	EA		1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	48.52	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0982	EA		1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	58.03	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0983	EA		1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	59.41	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0984	EA		1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	60.80	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0985	EA		1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	63.76	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0986	EA		1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	68.02	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0987	EA		1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	87.34	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0988	EA		1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	109.84	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-0989			<b>316 Stainless Steel, Hex Head Bolts (05 05 23 00-0987)</b>		
05 05 23 00-0990			<b>1/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)</b>		
05 05 23 00-0991	EA		1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	7.06	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0992	EA		1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	7.26	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0993	EA		1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	7.41	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0994	EA		2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	7.51	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-0995	EA		2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	7.99	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0996	EA		3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	8.26	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-0997	EA		3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	8.52	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0998	EA		4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	8.91	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-0999	EA		4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	9.13	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-1000	EA		5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	9.23	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-1001	EA		5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	10.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-1002	EA		6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	10.28	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-1003	EA		6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	17.04	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-1004	EA		7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	25.43	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-1005	EA		7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	43.48	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-1006	EA		8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	47.60	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	

## 05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)

05 05 23 00-1008	EA		5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	7.34	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-1009	EA		5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	7.57	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-1010	EA		5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	7.95	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-1011	EA		5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	8.25	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-1012	EA		5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	8.56	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-1013	EA		5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	9.16	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-1014	EA		5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	9.57	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-1015	EA		5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	9.93	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-1016	EA		5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	10.82	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-1017	EA		5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	11.00	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-1018	EA		5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	11.82	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-1019	EA		5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	12.51	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1020	EA		5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	18.26	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-1021	EA		5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	26.63	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
<b>05 05 23 00-1022</b>			<b>3/8" Diameter, 316 Stainless Steel, Hex Head Bolts</b> (05 05 23 00-0989)		
05 05 23 00-1023	EA		3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	7.95	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-1024	EA		3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	8.04	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-1025	EA		3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	8.40	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-1026	EA		3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	9.26	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500, Deduct</i>	-1.98	
05 05 23 00-1027	EA		3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	9.75	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-1028	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	9.91	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-1029	EA		3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	10.65	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.04	
05 05 23 00-1030	EA		3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	10.95	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-1031	EA		3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	11.42	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-1032	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	11.74	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.09	
05 05 23 00-1033	EA		3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	12.97	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-1034	EA		3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	14.23	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-1035	EA		3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	14.28	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500, Deduct</i>	-2.15	
05 05 23 00-1036	EA		3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	17.68	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-1037	EA		3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	22.89	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
05 05 23 00-1038	EA		3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	28.52	
			<i>For &gt;100 To 250, Deduct</i>	-1.47	
			<i>For &gt;250 To 500, Deduct</i>	-1.84	
			<i>For &gt;500, Deduct</i>	-2.21	
<b>05 05 23 00-1039</b>			<b>7/16" Diameter, 316 Stainless Steel, Hex Head Bolts</b> (05 05 23 00-0989)		
05 05 23 00-1040	EA		7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	10.32	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-1041	EA		7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	10.86	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-1042	EA		7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	11.88	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1043	EA		7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	12.93	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-1044	EA		7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	13.90	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-1045	EA		7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	15.49	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-1046	EA		7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	17.21	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-1047	EA		7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	17.49	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-1048	EA		7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	18.07	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-1049	EA		7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	18.66	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-1050	EA		7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	19.07	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-1051	EA		7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	19.49	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-1052	EA		7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	20.00	
			<i>For &gt;100 To 250, Deduct</i>	-1.66	
			<i>For &gt;250 To 500, Deduct</i>	-2.08	
			<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-1053			1/2" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1054	EA		1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	10.30	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-1055	EA		1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	10.88	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-1056	EA		1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	11.70	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-1057	EA		1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	12.85	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-1058	EA		1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	13.75	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-1059	EA		1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	13.97	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-1060	EA		1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	14.53	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-1061	EA		1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	16.27	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-1062	EA		1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	19.79	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-1063	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	20.25	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-1064	EA		1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	20.81	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500, Deduct</i>	-2.44	



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1065	EA	1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	25.16	
		<i>For &gt;100 To 250, Deduct</i>	-1.62	
		<i>For &gt;250 To 500, Deduct</i>	-2.03	
		<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-1066	EA	1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	28.25	
		<i>For &gt;100 To 250, Deduct</i>	-1.66	
		<i>For &gt;250 To 500, Deduct</i>	-2.08	
		<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-1067	EA	1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	30.14	
		<i>For &gt;100 To 250, Deduct</i>	-1.66	
		<i>For &gt;250 To 500, Deduct</i>	-2.08	
		<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-1068	EA	1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	33.26	
		<i>For &gt;100 To 250, Deduct</i>	-1.66	
		<i>For &gt;250 To 500, Deduct</i>	-2.08	
		<i>For &gt;500, Deduct</i>	-2.49	
05 05 23 00-1069	EA	1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	41.70	
		<i>For &gt;100 To 250, Deduct</i>	-1.70	
		<i>For &gt;250 To 500, Deduct</i>	-2.12	
		<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-1070	EA	1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	47.02	
		<i>For &gt;100 To 250, Deduct</i>	-1.70	
		<i>For &gt;250 To 500, Deduct</i>	-2.12	
		<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-1071	EA	1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	47.90	
		<i>For &gt;100 To 250, Deduct</i>	-1.70	
		<i>For &gt;250 To 500, Deduct</i>	-2.12	
		<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-1072	EA	1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	49.26	
		<i>For &gt;100 To 250, Deduct</i>	-1.70	
		<i>For &gt;250 To 500, Deduct</i>	-2.12	
		<i>For &gt;500, Deduct</i>	-2.55	
<b>05 05 23 00-1073</b>		<b>9/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)</b>		
05 05 23 00-1074	EA	9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	24.88	
		<i>For &gt;100 To 250, Deduct</i>	-1.51	
		<i>For &gt;250 To 500, Deduct</i>	-1.89	
		<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-1075	EA	9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	26.80	
		<i>For &gt;100 To 250, Deduct</i>	-1.51	
		<i>For &gt;250 To 500, Deduct</i>	-1.89	
		<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-1076	EA	9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	33.20	
		<i>For &gt;100 To 250, Deduct</i>	-1.51	
		<i>For &gt;250 To 500, Deduct</i>	-1.89	
		<i>For &gt;500, Deduct</i>	-2.27	
05 05 23 00-1077	EA	9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	36.97	
		<i>For &gt;100 To 250, Deduct</i>	-1.55	
		<i>For &gt;250 To 500, Deduct</i>	-1.93	
		<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-1078	EA	9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	40.76	
		<i>For &gt;100 To 250, Deduct</i>	-1.55	
		<i>For &gt;250 To 500, Deduct</i>	-1.93	
		<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-1079	EA	9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	44.54	
		<i>For &gt;100 To 250, Deduct</i>	-1.55	
		<i>For &gt;250 To 500, Deduct</i>	-1.93	
		<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-1080	EA	9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	47.09	
		<i>For &gt;100 To 250, Deduct</i>	-1.58	
		<i>For &gt;250 To 500, Deduct</i>	-1.98	
		<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-1081	EA	9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	50.21	
		<i>For &gt;100 To 250, Deduct</i>	-1.58	
		<i>For &gt;250 To 500, Deduct</i>	-1.98	
		<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-1082	EA	9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	52.98	
		<i>For &gt;100 To 250, Deduct</i>	-1.58	
		<i>For &gt;250 To 500, Deduct</i>	-1.98	
		<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-1083	EA	9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	54.02	
		<i>For &gt;100 To 250, Deduct</i>	-1.62	
		<i>For &gt;250 To 500, Deduct</i>	-2.03	
		<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-1084	EA	9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	56.46	
		<i>For &gt;100 To 250, Deduct</i>	-1.62	
		<i>For &gt;250 To 500, Deduct</i>	-2.03	
		<i>For &gt;500, Deduct</i>	-2.44	
<b>05 05 23 00-1085</b>		<b>5/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)</b>		
05 05 23 00-1086	EA	5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	14.20	
		<i>For &gt;100 To 250, Deduct</i>	-1.70	
		<i>For &gt;250 To 500, Deduct</i>	-2.12	
		<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-1087	EA	5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	14.37	
		<i>For &gt;100 To 250, Deduct</i>	-1.70	
		<i>For &gt;250 To 500, Deduct</i>	-2.12	
		<i>For &gt;500, Deduct</i>	-2.55	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1088	EA		5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	14.42	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-1089	EA		5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	15.71	
			<i>For &gt;100 To 250, Deduct</i>	-1.74	
			<i>For &gt;250 To 500, Deduct</i>	-2.17	
			<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-1090	EA		5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	16.83	
			<i>For &gt;100 To 250, Deduct</i>	-1.74	
			<i>For &gt;250 To 500, Deduct</i>	-2.17	
			<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-1091	EA		5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	20.40	
			<i>For &gt;100 To 250, Deduct</i>	-1.74	
			<i>For &gt;250 To 500, Deduct</i>	-2.17	
			<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-1092	EA		5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	21.34	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-1093	EA		5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	24.46	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-1094	EA		5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	25.54	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-1095	EA		5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	27.77	
			<i>For &gt;100 To 250, Deduct</i>	-1.81	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-1096	EA		5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	28.66	
			<i>For &gt;100 To 250, Deduct</i>	-1.81	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-1097	EA		5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	34.12	
			<i>For &gt;100 To 250, Deduct</i>	-1.81	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-1098	EA		5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	36.28	
			<i>For &gt;100 To 250, Deduct</i>	-1.85	
			<i>For &gt;250 To 500, Deduct</i>	-2.31	
			<i>For &gt;500, Deduct</i>	-2.77	
05 05 23 00-1099	EA		5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	36.97	
			<i>For &gt;100 To 250, Deduct</i>	-1.85	
			<i>For &gt;250 To 500, Deduct</i>	-2.31	
			<i>For &gt;500, Deduct</i>	-2.77	
05 05 23 00-1100	EA		5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	39.52	
			<i>For &gt;100 To 250, Deduct</i>	-1.85	
			<i>For &gt;250 To 500, Deduct</i>	-2.31	
			<i>For &gt;500, Deduct</i>	-2.77	
05 05 23 00-1101	EA		5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	42.02	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-1102	EA		5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	44.18	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-1103	EA		5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	54.49	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-1104	EA		5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	65.52	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-1105			3/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989).....	18.54	
05 05 23 00-1106	EA		3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	18.54	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-1107	EA		3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	18.93	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-1108	EA		3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	20.41	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500, Deduct</i>	-2.55	
05 05 23 00-1109	EA		3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	21.91	
			<i>For &gt;100 To 250, Deduct</i>	-1.74	
			<i>For &gt;250 To 500, Deduct</i>	-2.17	
			<i>For &gt;500, Deduct</i>	-2.60	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1110	EA	3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	24.68	
		<i>For &gt;100 To 250, Deduct</i>	-1.74	
		<i>For &gt;250 To 500, Deduct</i>	-2.17	
		<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-1111	EA	3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	26.29	
		<i>For &gt;100 To 250, Deduct</i>	-1.74	
		<i>For &gt;250 To 500, Deduct</i>	-2.17	
		<i>For &gt;500, Deduct</i>	-2.60	
05 05 23 00-1112	EA	3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	29.90	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-1113	EA	3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	31.32	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-1114	EA	3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	32.10	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-1115	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	33.32	
		<i>For &gt;100 To 250, Deduct</i>	-1.81	
		<i>For &gt;250 To 500, Deduct</i>	-2.26	
		<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-1116	EA	3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	35.09	
		<i>For &gt;100 To 250, Deduct</i>	-1.81	
		<i>For &gt;250 To 500, Deduct</i>	-2.26	
		<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-1117	EA	3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	40.55	
		<i>For &gt;100 To 250, Deduct</i>	-1.81	
		<i>For &gt;250 To 500, Deduct</i>	-2.26	
		<i>For &gt;500, Deduct</i>	-2.72	
05 05 23 00-1118	EA	3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	48.65	
		<i>For &gt;100 To 250, Deduct</i>	-1.85	
		<i>For &gt;250 To 500, Deduct</i>	-2.31	
		<i>For &gt;500, Deduct</i>	-2.77	
05 05 23 00-1119	EA	3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	54.80	
		<i>For &gt;100 To 250, Deduct</i>	-1.85	
		<i>For &gt;250 To 500, Deduct</i>	-2.31	
		<i>For &gt;500, Deduct</i>	-2.77	
05 05 23 00-1120	EA	3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	55.73	
		<i>For &gt;100 To 250, Deduct</i>	-1.85	
		<i>For &gt;250 To 500, Deduct</i>	-2.31	
		<i>For &gt;500, Deduct</i>	-2.77	
05 05 23 00-1121	EA	3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	59.62	
		<i>For &gt;100 To 250, Deduct</i>	-1.89	
		<i>For &gt;250 To 500, Deduct</i>	-2.36	
		<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-1122	EA	3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	68.96	
		<i>For &gt;100 To 250, Deduct</i>	-1.89	
		<i>For &gt;250 To 500, Deduct</i>	-2.36	
		<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-1123	EA	3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	69.75	
		<i>For &gt;100 To 250, Deduct</i>	-1.89	
		<i>For &gt;250 To 500, Deduct</i>	-2.36	
		<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-1124	EA	3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	71.72	
		<i>For &gt;100 To 250, Deduct</i>	-1.89	
		<i>For &gt;250 To 500, Deduct</i>	-2.36	
		<i>For &gt;500, Deduct</i>	-2.83	
<b>05 05 23 00-1125</b>		<b>7/8" Diameter, 316 Stainless Steel, Hex Head Bolts</b> (05 05 23 00-0989)		
05 05 23 00-1126	EA	7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	20.90	
		<i>For &gt;100 To 250, Deduct</i>	-1.89	
		<i>For &gt;250 To 500, Deduct</i>	-2.36	
		<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-1127	EA	7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	23.46	
		<i>For &gt;100 To 250, Deduct</i>	-1.89	
		<i>For &gt;250 To 500, Deduct</i>	-2.36	
		<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-1128	EA	7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	25.06	
		<i>For &gt;100 To 250, Deduct</i>	-1.93	
		<i>For &gt;250 To 500, Deduct</i>	-2.41	
		<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-1129	EA	7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	28.65	
		<i>For &gt;100 To 250, Deduct</i>	-1.93	
		<i>For &gt;250 To 500, Deduct</i>	-2.41	
		<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-1130	EA	7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	30.26	
		<i>For &gt;100 To 250, Deduct</i>	-1.93	
		<i>For &gt;250 To 500, Deduct</i>	-2.41	
		<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-1131	EA	7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	31.86	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1132	EA		7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	34.03	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-1133	EA		7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	38.93	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-1134	EA		7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	39.24	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-1135	EA		7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	40.87	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-1136	EA		7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	54.57	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-1137	EA		7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	60.80	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-1138	EA		7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	67.30	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-1139	EA		7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	70.51	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-1140	EA		7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	74.86	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-1141	EA		7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	77.64	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-1142	EA		7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	80.40	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-1143	EA		7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	83.51	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	

## 05 05 23 00-1144 1" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)

05 05 23 00-1145	EA		1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	26.54	
			<i>For &gt;100 To 250, Deduct</i>	-1.89	
			<i>For &gt;250 To 500, Deduct</i>	-2.36	
			<i>For &gt;500, Deduct</i>	-2.83	
05 05 23 00-1146	EA		1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	30.69	
			<i>For &gt;100 To 250, Deduct</i>	-1.93	
			<i>For &gt;250 To 500, Deduct</i>	-2.41	
			<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-1147	EA		1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	33.34	
			<i>For &gt;100 To 250, Deduct</i>	-1.93	
			<i>For &gt;250 To 500, Deduct</i>	-2.41	
			<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-1148	EA		1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	37.57	
			<i>For &gt;100 To 250, Deduct</i>	-1.93	
			<i>For &gt;250 To 500, Deduct</i>	-2.41	
			<i>For &gt;500, Deduct</i>	-2.89	
05 05 23 00-1149	EA		1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	39.26	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-1150	EA		1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	42.13	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-1151	EA		1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	45.03	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-1152	EA		1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	48.13	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-1153	EA		1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	55.62	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1154	EA		1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	63.00	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-1155	EA		1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	73.28	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-1156	EA		1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	81.77	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-1157	EA		1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	82.99	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-1158	EA		1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	85.95	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-1159	EA		1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	87.11	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-1160	EA		1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	101.20	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
05 05 23 00-1161	EA		1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	114.80	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.11	
<b>05 05 23 00-1162</b>			<b>Screws <small>(05 05 23)</small></b>		
<b>05 05 23 00-1163</b>			<b>Teks® 5 Self Drilling Screws <small>(05 05 23 00-1162)</small></b>		
			Note: Screws include Climaseal® finish, self-drill point and tapping threads.		
05 05 23 00-1164	EA		12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw .....	3.50	
			<i>For &gt;10 To 50, Deduct</i>	-0.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.32	
			<i>For &gt;100, Deduct</i>	-0.65	
05 05 23 00-1165	EA		12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw .....	3.63	
			<i>For &gt;10 To 50, Deduct</i>	-0.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.33	
			<i>For &gt;100, Deduct</i>	-0.65	
05 05 23 00-1166	EA		12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw .....	4.03	
			<i>For &gt;10 To 50, Deduct</i>	-0.17	
			<i>For &gt;50 To 100, Deduct</i>	-0.35	
			<i>For &gt;100, Deduct</i>	-0.70	
05 05 23 00-1167	EA		1/4"-28 x 3", Hex Washer Head, Teks® 5 Self Drilling Screw.....	5.47	
			<i>For &gt;10 To 50, Deduct</i>	-0.21	
			<i>For &gt;50 To 100, Deduct</i>	-0.45	
			<i>For &gt;100, Deduct</i>	-0.90	
05 05 23 00-1168	EA		1/4"-28 x 4", Hex Washer Head, Teks® 5 Self Drilling Screw.....	5.83	
			<i>For &gt;10 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.48	
			<i>For &gt;100, Deduct</i>	-0.95	
05 05 23 00-1169	EA		1/4"-28 x 6", Hex Washer Head, Teks® 5 Self Drilling Screw.....	7.08	
			<i>For &gt;10 To 50, Deduct</i>	-0.23	
			<i>For &gt;50 To 100, Deduct</i>	-0.52	
			<i>For &gt;100, Deduct</i>	-1.05	
05 05 23 00-1170	EA		1/4"-28 x 8", Hex Washer Head, Teks® 5 Self Drilling Screw.....	7.86	
			<i>For &gt;10 To 50, Deduct</i>	-0.24	
			<i>For &gt;50 To 100, Deduct</i>	-0.56	
			<i>For &gt;100, Deduct</i>	-1.12	
<b>05 05 23 00-1171</b>			<b>Security Screws <small>(05 05 23 00-1162)</small></b>		
<b>05 05 23 00-1172</b>			<b>304/18-8 Stainless Steel, Security Screws <small>(05 05 23 00-1171)</small></b>		
			Note: Includes "security" style drive in machine or sheet metal screw threads.		
05 05 23 00-1173	EA		#4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws .....	2.79	
			<i>For &gt;10 To 50, Deduct</i>	-0.13	
			<i>For &gt;50 To 100, Deduct</i>	-0.27	
			<i>For &gt;100, Deduct</i>	-0.54	
05 05 23 00-1174	EA		#6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw .....	3.19	
			<i>For &gt;10 To 50, Deduct</i>	-0.13	
			<i>For &gt;50 To 100, Deduct</i>	-0.28	
			<i>For &gt;100, Deduct</i>	-0.56	
05 05 23 00-1175	EA		#6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw .....	3.53	
			<i>For &gt;10 To 50, Deduct</i>	-0.13	
			<i>For &gt;50 To 100, Deduct</i>	-0.29	
			<i>For &gt;100, Deduct</i>	-0.57	
05 05 23 00-1176	EA		#6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.65	
			<i>For &gt;10 To 50, Deduct</i>	-0.13	
			<i>For &gt;50 To 100, Deduct</i>	-0.29	
			<i>For &gt;100, Deduct</i>	-0.58	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1177	EA		#6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw .....	3.87	
			<i>For &gt;10 To 50, Deduct</i>	-0.13	
			<i>For &gt;50 To 100, Deduct</i>	-0.29	
			<i>For &gt;100, Deduct</i>	-0.59	
05 05 23 00-1178	EA		#8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw .....	3.28	
			<i>For &gt;10 To 50, Deduct</i>	-0.13	
			<i>For &gt;50 To 100, Deduct</i>	-0.28	
			<i>For &gt;100, Deduct</i>	-0.56	
05 05 23 00-1179	EA		#8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw .....	3.44	
			<i>For &gt;10 To 50, Deduct</i>	-0.13	
			<i>For &gt;50 To 100, Deduct</i>	-0.28	
			<i>For &gt;100, Deduct</i>	-0.57	
05 05 23 00-1180	EA		#8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw .....	3.78	
			<i>For &gt;10 To 50, Deduct</i>	-0.13	
			<i>For &gt;50 To 100, Deduct</i>	-0.29	
			<i>For &gt;100, Deduct</i>	-0.59	
05 05 23 00-1181	EA		#8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw .....	3.88	
			<i>For &gt;10 To 50, Deduct</i>	-0.13	
			<i>For &gt;50 To 100, Deduct</i>	-0.30	
			<i>For &gt;100, Deduct</i>	-0.59	
05 05 23 00-1182	EA		#10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw .....	3.38	
			<i>For &gt;10 To 50, Deduct</i>	-0.13	
			<i>For &gt;50 To 100, Deduct</i>	-0.28	
			<i>For &gt;100, Deduct</i>	-0.57	
05 05 23 00-1183	EA		#10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw .....	3.42	
			<i>For &gt;10 To 50, Deduct</i>	-0.13	
			<i>For &gt;50 To 100, Deduct</i>	-0.28	
			<i>For &gt;100, Deduct</i>	-0.57	
05 05 23 00-1184	EA		#10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw .....	3.57	
			<i>For &gt;10 To 50, Deduct</i>	-0.13	
			<i>For &gt;50 To 100, Deduct</i>	-0.29	
			<i>For &gt;100, Deduct</i>	-0.57	
05 05 23 00-1185	EA		#10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw .....	4.03	
			<i>For &gt;10 To 50, Deduct</i>	-0.13	
			<i>For &gt;50 To 100, Deduct</i>	-0.30	
			<i>For &gt;100, Deduct</i>	-0.60	
05 05 23 00-1186	EA		1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw .....	3.65	
			<i>For &gt;10 To 50, Deduct</i>	-0.13	
			<i>For &gt;50 To 100, Deduct</i>	-0.29	
			<i>For &gt;100, Deduct</i>	-0.58	
05 05 23 00-1187	EA		1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw .....	3.75	
			<i>For &gt;10 To 50, Deduct</i>	-0.13	
			<i>For &gt;50 To 100, Deduct</i>	-0.29	
			<i>For &gt;100, Deduct</i>	-0.58	
05 05 23 00-1188	EA		1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw .....	4.19	
			<i>For &gt;10 To 50, Deduct</i>	-0.13	
			<i>For &gt;50 To 100, Deduct</i>	-0.30	
			<i>For &gt;100, Deduct</i>	-0.61	
05 05 23 00-1189	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw .....	4.89	
			<i>For &gt;10 To 50, Deduct</i>	-0.13	
			<i>For &gt;50 To 100, Deduct</i>	-0.32	
			<i>For &gt;100, Deduct</i>	-0.64	

## 05 05 23 00-1190

## Threaded Rod (05 05 23)

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and washers.

## 05 05 23 00-1191

## Plain Finish Steel, Low Carbon Threaded Rod (05 05 23 00-1190)

05 05 23 00-1192	LF		1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	2.09	0.47
			<i>For Left Hand Threaded Rod, Add</i>	0.11	
05 05 23 00-1193	LF		5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	2.77	0.52
			<i>For Left Hand Threaded Rod, Add</i>	0.17	
05 05 23 00-1194	LF		3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	3.21	0.60
			<i>For Left Hand Threaded Rod, Add</i>	0.20	
05 05 23 00-1195	LF		7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	4.38	0.62
			<i>For Left Hand Threaded Rod, Add</i>	0.32	
05 05 23 00-1196	LF		1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	4.49	0.64
			<i>For Left Hand Threaded Rod, Add</i>	0.32	
05 05 23 00-1197	LF		9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	5.58	0.65
			<i>For Left Hand Threaded Rod, Add</i>	0.43	
05 05 23 00-1198	LF		5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	6.30	0.66
			<i>For Left Hand Threaded Rod, Add</i>	0.50	
05 05 23 00-1199	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	10.41	0.68
			<i>For Left Hand Threaded Rod, Add</i>	0.91	
05 05 23 00-1200	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	11.36	0.70
			<i>For Left Hand Threaded Rod, Add</i>	1.00	
05 05 23 00-1201	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	15.56	0.79
			<i>For Left Hand Threaded Rod, Add</i>	1.40	
05 05 23 00-1202	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	19.41	0.88
			<i>For Left Hand Threaded Rod, Add</i>	1.76	
05 05 23 00-1203	LF		1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	25.78	0.95
			<i>For Left Hand Threaded Rod, Add</i>	2.38	
05 05 23 00-1204	LF		1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	32.10	1.04
			<i>For Left Hand Threaded Rod, Add</i>	3.00	
05 05 23 00-1205	LF		1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	38.43	1.08
			<i>For Left Hand Threaded Rod, Add</i>	3.63	
05 05 23 00-1206	LF		1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	47.17	1.13
			<i>For Left Hand Threaded Rod, Add</i>	4.49	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-1207	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	60.31 5.79	1.19
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**05 05 23 00-1208 Zinc Plated Steel, Low Carbon Threaded Rod** (05 05 23 00-1190)

05 05 23 00-1209	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	2.10 0.12	0.47
05 05 23 00-1210	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	3.15 0.21	0.52
05 05 23 00-1211	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	3.50 0.23	0.60
05 05 23 00-1212	LF	7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	5.09 0.39	0.62
05 05 23 00-1213	LF	1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	5.49 0.42	0.64
05 05 23 00-1214	LF	9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	7.21 0.59	0.65
05 05 23 00-1215	LF	5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	7.66 0.64	0.66
05 05 23 00-1216	LF	3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	11.58 1.02	0.68
05 05 23 00-1217	LF	7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	15.04 1.36	0.70
05 05 23 00-1218	LF	1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	20.20 1.86	0.79
05 05 23 00-1219	LF	1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	26.12 2.44	0.88
05 05 23 00-1220	LF	1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	31.17 2.92	0.95
05 05 23 00-1221	LF	1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	35.45 3.34	1.04
05 05 23 00-1222	LF	1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	44.68 4.25	1.08
05 05 23 00-1223	LF	1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	55.41 5.31	1.13
05 05 23 00-1224	LF	2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	80.93 7.86	1.19

**05 05 23 00-1225 Hot Dipped Galvanized Steel, Low Carbon Threaded Rod** (05 05 23 00-1190)

05 05 23 00-1226	LF	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	5.84 0.47	0.60
05 05 23 00-1227	LF	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	8.21 0.69	0.64
05 05 23 00-1228	LF	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	11.11 0.98	0.66
05 05 23 00-1229	LF	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	15.30 1.40	0.68
05 05 23 00-1230	LF	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	21.23 1.98	0.70
05 05 23 00-1231	LF	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	27.41 2.58	0.79
05 05 23 00-1232	LF	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	36.10 3.43	0.88
05 05 23 00-1233	LF	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	47.51 4.55	0.95
05 05 23 00-1234	LF	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	53.10 5.10	1.04
05 05 23 00-1235	LF	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	63.24 6.11	1.08
05 05 23 00-1236	LF	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	76.87 7.46	1.13
05 05 23 00-1237	LF	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	134.33 13.20	1.19

**05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod** (05 05 23 00-1190)

05 05 23 00-1239	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	3.04 0.21	0.47
05 05 23 00-1240	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	4.63 0.36	0.52
05 05 23 00-1241	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	5.97 0.48	0.60
05 05 23 00-1242	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	8.34 0.71	0.62
05 05 23 00-1243	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	10.03 0.88	0.64
05 05 23 00-1244	LF	9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	14.47 1.32	0.65
05 05 23 00-1245	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	15.10 1.38	0.66
05 05 23 00-1246	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	21.21 1.99	0.68
05 05 23 00-1247	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	29.22 2.78	0.70
05 05 23 00-1248	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	37.50 3.59	0.79

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1249	LF		1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	79.55 7.76	0.95
05 05 23 00-1250	LF		1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	121.20 11.90	1.08
05 05 23 00-1251	LF		1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	124.67 12.24	1.13
05 05 23 00-1252	LF		2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	172.59 17.02	1.19
<b>05 05 23 00-1253 316 Stainless Steel Threaded Rod (05 05 23 00-1190)</b>					
05 05 23 00-1254	LF		1/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	4.45 0.35	0.47
05 05 23 00-1255	LF		5/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	7.24 0.62	0.52
05 05 23 00-1256	LF		3/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	9.63 0.84	0.60
05 05 23 00-1257	LF		7/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	15.10 1.39	0.62
05 05 23 00-1258	LF		1/2" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	16.02 1.48	0.64
05 05 23 00-1259	LF		9/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	21.05 1.98	0.65
05 05 23 00-1260	LF		5/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	22.66 2.14	0.66
05 05 23 00-1261	LF		3/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	33.10 3.18	0.68
05 05 23 00-1262	LF		7/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	45.36 4.40	0.70
05 05 23 00-1263	LF		1" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	57.42 5.58	0.79
05 05 23 00-1264	LF		1-1/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	121.39 11.94	0.95
05 05 23 00-1265	LF		1-1/2" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	159.14 15.70	1.08
<b>05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod (05 05 23 00-1190)</b>					
05 05 23 00-1267	LF		1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	3.69 1.37	0.47
05 05 23 00-1268	LF		5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	5.75 2.35	0.52
05 05 23 00-1269	LF		3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	6.00 2.41	0.60
05 05 23 00-1270	LF		7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	6.56 2.67	0.62
05 05 23 00-1271	LF		1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	7.24 2.99	0.64
05 05 23 00-1272	LF		9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	9.08 3.90	0.65
05 05 23 00-1273	LF		5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	9.37 4.03	0.66
05 05 23 00-1274	LF		3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	12.49 5.57	0.68
05 05 23 00-1275	LF		7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	15.00 6.80	0.70
05 05 23 00-1276	LF		1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	19.48 8.95	0.79
05 05 23 00-1277	LF		1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	25.40 11.82	0.88
05 05 23 00-1278	LF		1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	28.27 13.14	0.95
05 05 23 00-1279	LF		1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	32.65 15.29	1.04
05 05 23 00-1280	LF		1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	39.74 18.79	1.08
05 05 23 00-1281	LF		1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	41.09 19.41	1.13
05 05 23 00-1282	LF		2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	55.23 26.43	1.19
<b>05 05 23 00-1283 Nuts And Washers (05 05 23)</b>					
<b>05 05 23 00-1284 Hex Nuts (05 05 23 00-1283)</b>					
<b>05 05 23 00-1285 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)</b>					
05 05 23 00-1286	EA		1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.59	0.26
05 05 23 00-1287	EA		5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.66	0.26
05 05 23 00-1288	EA		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.70	0.26
05 05 23 00-1289	EA		7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.83	0.26
05 05 23 00-1290	EA		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.91	0.26
05 05 23 00-1291	EA		9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.22	0.26
05 05 23 00-1292	EA		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.26	0.26
05 05 23 00-1293	EA		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.50	0.52
05 05 23 00-1294	EA		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.25	0.52
05 05 23 00-1295	EA		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.87	0.52
05 05 23 00-1296	EA		1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	4.73	0.52



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1297	EA	1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	5.79	0.52
05 05 23 00-1298	EA	1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	8.59	0.52
05 05 23 00-1299	EA	1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	9.96	0.79
05 05 23 00-1300	EA	1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	14.68	0.79
05 05 23 00-1301	EA	2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	21.27	0.79
<b>05 05 23 00-1302</b>		<b>Zinc Plated Steel, Grade 5 Hex Nuts (05 05 23 00-1284)</b>		
05 05 23 00-1303	EA	1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.61	0.26
05 05 23 00-1304	EA	5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.67	0.26
05 05 23 00-1305	EA	3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.73	0.26
05 05 23 00-1306	EA	7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.87	0.26
05 05 23 00-1307	EA	1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.02	0.26
05 05 23 00-1308	EA	9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.26	0.26
05 05 23 00-1309	EA	5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.28	0.26
05 05 23 00-1310	EA	3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.71	0.52
05 05 23 00-1311	EA	7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	2.46	0.52
05 05 23 00-1312	EA	1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	3.49	0.52
05 05 23 00-1313	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	5.35	0.52
05 05 23 00-1314	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	7.61	0.52
05 05 23 00-1315	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	11.23	0.52
05 05 23 00-1316	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	12.41	0.79
05 05 23 00-1317	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	22.50	0.79
05 05 23 00-1318	EA	2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	32.31	0.79
<b>05 05 23 00-1319</b>		<b>Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1284)</b>		
05 05 23 00-1320	EA	1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.62	0.26
05 05 23 00-1321	EA	5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.73	0.26
05 05 23 00-1322	EA	3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.79	0.26
05 05 23 00-1323	EA	7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.00	0.26
05 05 23 00-1324	EA	1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.21	0.26
05 05 23 00-1325	EA	9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.47	0.26
05 05 23 00-1326	EA	5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.67	0.26
05 05 23 00-1327	EA	3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	2.09	0.52
05 05 23 00-1328	EA	7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	3.19	0.52
05 05 23 00-1329	EA	1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	4.26	0.52
05 05 23 00-1330	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	6.71	0.52
05 05 23 00-1331	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	8.39	0.52
05 05 23 00-1332	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	13.90	0.52
05 05 23 00-1333	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	14.75	0.79
05 05 23 00-1334	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	22.57	0.79
05 05 23 00-1335	EA	2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	31.95	0.79
<b>05 05 23 00-1336</b>		<b>Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)</b>		
05 05 23 00-1337	EA	1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.62	0.26
05 05 23 00-1338	EA	5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.71	0.26
05 05 23 00-1339	EA	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.76	0.26
05 05 23 00-1340	EA	7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.98	0.26
05 05 23 00-1341	EA	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.13	0.26
05 05 23 00-1342	EA	9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.27	0.26
05 05 23 00-1343	EA	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.40	0.26
05 05 23 00-1344	EA	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.90	0.52
05 05 23 00-1345	EA	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	2.81	0.52
05 05 23 00-1346	EA	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	3.89	0.52
05 05 23 00-1347	EA	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	6.49	0.52
05 05 23 00-1348	EA	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	8.34	0.52
05 05 23 00-1349	EA	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	12.44	0.52
05 05 23 00-1350	EA	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	14.53	0.79
05 05 23 00-1351	EA	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	25.43	0.79
05 05 23 00-1352	EA	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	44.09	0.79
<b>05 05 23 00-1353</b>		<b>304 Stainless Steel Hex Nuts (05 05 23 00-1284)</b>		
05 05 23 00-1354	EA	1/4" Diameter, 304 Stainless Steel Hex Nut.....	0.69	0.26
05 05 23 00-1355	EA	5/16" Diameter, 304 Stainless Steel Hex Nut.....	0.82	0.26
05 05 23 00-1356	EA	3/8" Diameter, 304 Stainless Steel Hex Nut.....	0.92	0.26
05 05 23 00-1357	EA	7/16" Diameter, 304 Stainless Steel Hex Nut.....	1.38	0.26
05 05 23 00-1358	EA	1/2" Diameter, 304 Stainless Steel Hex Nut.....	1.50	0.26
05 05 23 00-1359	EA	9/16" Diameter, 304 Stainless Steel Hex Nut.....	2.29	0.26
05 05 23 00-1360	EA	5/8" Diameter, 304 Stainless Steel Hex Nut.....	2.55	0.26
05 05 23 00-1361	EA	3/4" Diameter, 304 Stainless Steel Hex Nut.....	2.94	0.52
05 05 23 00-1362	EA	7/8" Diameter, 304 Stainless Steel Hex Nut.....	4.84	0.52
05 05 23 00-1363	EA	1" Diameter, 304 Stainless Steel Hex Nut.....	7.44	0.52
05 05 23 00-1364	EA	1-1/4" Diameter, 304 Stainless Steel Hex Nut.....	17.90	0.52
05 05 23 00-1365	EA	1-1/2" Diameter, 304 Stainless Steel Hex Nut.....	34.43	0.79
05 05 23 00-1366	EA	1-3/4" Diameter, 304 Stainless Steel Hex Nut.....	60.58	0.79
05 05 23 00-1367	EA	2" Diameter, 304 Stainless Steel Hex Nut.....	86.36	0.79
<b>05 05 23 00-1368</b>		<b>316 Stainless Steel Hex Nuts (05 05 23 00-1284)</b>		
05 05 23 00-1369	EA	1/4" Diameter, 316 Stainless Steel Hex Nut.....	0.81	0.26
05 05 23 00-1370	EA	5/16" Diameter, 316 Stainless Steel Hex Nut.....	0.93	0.26

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-1371	EA	3/8" Diameter, 316 Stainless Steel Hex Nut.....	1.10	0.26
05 05 23 00-1372	EA	7/16" Diameter, 316 Stainless Steel Hex Nut.....	1.83	0.26
05 05 23 00-1373	EA	1/2" Diameter, 316 Stainless Steel Hex Nut.....	1.96	0.26
05 05 23 00-1374	EA	9/16" Diameter, 316 Stainless Steel Hex Nut.....	2.68	0.26
05 05 23 00-1375	EA	5/8" Diameter, 316 Stainless Steel Hex Nut.....	3.02	0.26
05 05 23 00-1376	EA	3/4" Diameter, 316 Stainless Steel Hex Nut.....	4.23	0.52
05 05 23 00-1377	EA	7/8" Diameter, 316 Stainless Steel Hex Nut.....	5.90	0.52
05 05 23 00-1378	EA	1" Diameter, 316 Stainless Steel Hex Nut.....	9.12	0.52
05 05 23 00-1379	EA	1-1/4" Diameter, 316 Stainless Steel Hex Nut.....	27.78	0.52
05 05 23 00-1380	EA	1-1/2" Diameter, 316 Stainless Steel Hex Nut.....	44.97	0.79
05 05 23 00-1381	EA	1-3/4" Diameter, 316 Stainless Steel Hex Nut.....	75.93	0.79
05 05 23 00-1382	EA	2" Diameter, 316 Stainless Steel Hex Nut.....	141.20	0.79

**05 05 23 00-1383 Flat Washers** (05 05 23 00-1283)**05 05 23 00-1384 Zinc Plated Steel, Low Carbon Flat Washers** (05 05 23 00-1383)

05 05 23 00-1385	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.05	
05 05 23 00-1386	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.08	
05 05 23 00-1387	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.14	
05 05 23 00-1388	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.21	
05 05 23 00-1389	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.30	
05 05 23 00-1390	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.34	
05 05 23 00-1391	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.58	
05 05 23 00-1392	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.83	
05 05 23 00-1393	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.99	
05 05 23 00-1394	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.21	
05 05 23 00-1395	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.37	
05 05 23 00-1396	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.64	
05 05 23 00-1397	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.57	
05 05 23 00-1398	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.64	
05 05 23 00-1399	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	3.90	
05 05 23 00-1400	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	4.85	

**05 05 23 00-1401 Zinc Plated Steel, Hardened Flat Washers** (05 05 23 00-1383)

05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.18	
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.24	
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.28	
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.38	
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.52	
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.83	
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.19	
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.68	
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	2.80	
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.10	
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	4.52	
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	4.93	
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	6.50	
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	7.43	
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	9.99	
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	11.99	

**05 05 23 00-1418 Hot Dipped Galvanized Steel Flat Washers** (05 05 23 00-1383)

05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.12	
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.17	
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.19	
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.35	
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.45	
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.73	
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.82	
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.24	
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.75	
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.92	
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.93	
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.26	
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	4.66	
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	5.05	
05 05 23 00-1433	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	7.33	

**05 05 23 00-1434 304/18-8 Stainless Steel Flat Washers** (05 05 23 00-1383)

05 05 23 00-1435	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.13	
05 05 23 00-1436	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.17	
05 05 23 00-1437	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.25	
05 05 23 00-1438	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.46	
05 05 23 00-1439	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.83	
05 05 23 00-1440	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.04	
05 05 23 00-1441	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.53	
05 05 23 00-1442	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.55	
05 05 23 00-1443	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	3.27	
05 05 23 00-1444	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	4.15	
05 05 23 00-1445	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	4.83	
05 05 23 00-1446	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	5.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-1447	EA	1-3/8"	Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	5.49	
05 05 23 00-1448	EA	1-1/2"	Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	6.70	
05 05 23 00-1449	EA	1-3/4"	Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	8.32	
05 05 23 00-1450	EA	2"	Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	16.35	

**05 05 23 00-1451 316 Stainless Steel Flat Washers** (05 05 23 00-1383)

05 05 23 00-1452	EA	1/4"	Inside Diameter, 316 Stainless Steel Flat Washer.....	0.25	
05 05 23 00-1453	EA	5/16"	Inside Diameter, 316 Stainless Steel Flat Washer.....	0.28	
05 05 23 00-1454	EA	3/8"	Inside Diameter, 316 Stainless Steel Flat Washer.....	0.49	
05 05 23 00-1455	EA	7/16"	Inside Diameter, 316 Stainless Steel Flat Washer.....	0.58	
05 05 23 00-1456	EA	1/2"	Inside Diameter, 316 Stainless Steel Flat Washer.....	1.08	
05 05 23 00-1457	EA	9/16"	Inside Diameter, 316 Stainless Steel Flat Washer.....	1.94	
05 05 23 00-1458	EA	5/8"	Inside Diameter, 316 Stainless Steel Flat Washer.....	2.29	
05 05 23 00-1459	EA	3/4"	Inside Diameter, 316 Stainless Steel Flat Washer.....	2.88	
05 05 23 00-1460	EA	7/8"	Inside Diameter, 316 Stainless Steel Flat Washer.....	4.46	
05 05 23 00-1461	EA	1"	Inside Diameter, 316 Stainless Steel Flat Washer.....	4.99	
05 05 23 00-1462	EA	1-1/8"	Inside Diameter, 316 Stainless Steel Flat Washer.....	5.69	
05 05 23 00-1463	EA	1-1/4"	Inside Diameter, 316 Stainless Steel Flat Washer.....	7.00	
05 05 23 00-1464	EA	1-3/8"	Inside Diameter, 316 Stainless Steel Flat Washer.....	7.40	
05 05 23 00-1465	EA	1-1/2"	Inside Diameter, 316 Stainless Steel Flat Washer.....	7.57	
05 05 23 00-1466	EA	1-3/4"	Inside Diameter, 316 Stainless Steel Flat Washer.....	11.09	

**05 05 23 00-1467 Lock Washers** (05 05 23 00-1283)

**05 05 23 00-1468 Zinc Plated Steel, Low Carbon Lock Washers** (05 05 23 00-1467)

05 05 23 00-1469	EA	1/4"	Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.02	
05 05 23 00-1470	EA	5/16"	Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.04	
05 05 23 00-1471	EA	3/8"	Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.05	
05 05 23 00-1472	EA	7/16"	Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.08	
05 05 23 00-1473	EA	1/2"	Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.12	
05 05 23 00-1474	EA	9/16"	Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.19	
05 05 23 00-1475	EA	5/8"	Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.22	
05 05 23 00-1476	EA	3/4"	Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.33	
05 05 23 00-1477	EA	7/8"	Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.55	
05 05 23 00-1478	EA	1"	Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.99	
05 05 23 00-1479	EA	1-1/8"	Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	1.45	
05 05 23 00-1480	EA	1-1/4"	Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	2.23	
05 05 23 00-1481	EA	1-3/8"	Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	3.52	
05 05 23 00-1482	EA	1-1/2"	Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	4.14	
05 05 23 00-1483	EA	1-3/4"	Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	7.39	
05 05 23 00-1484	EA	2"	Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	8.33	

**05 05 23 00-1485 Hot Dipped Galvanized Steel Lock Washers** (05 05 23 00-1467)

05 05 23 00-1486	EA	1/4"	Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.09	
05 05 23 00-1487	EA	5/16"	Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.11	
05 05 23 00-1488	EA	3/8"	Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.14	
05 05 23 00-1489	EA	7/16"	Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.16	
05 05 23 00-1490	EA	1/2"	Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.25	
05 05 23 00-1491	EA	9/16"	Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.32	
05 05 23 00-1492	EA	5/8"	Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.38	
05 05 23 00-1493	EA	3/4"	Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.64	
05 05 23 00-1494	EA	7/8"	Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.92	
05 05 23 00-1495	EA	1"	Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	1.45	
05 05 23 00-1496	EA	1-1/8"	Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	2.62	
05 05 23 00-1497	EA	1-1/4"	Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	3.13	
05 05 23 00-1498	EA	1-3/8"	Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	4.52	
05 05 23 00-1499	EA	1-1/2"	Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	5.17	
05 05 23 00-1500	EA	1-3/4"	Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	7.00	
05 05 23 00-1501	EA	2"	Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	9.53	

**05 05 23 00-1502 304/18-8 Stainless Steel Lock Washers** (05 05 23 00-1467)

05 05 23 00-1503	EA	1/4"	Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.11	
05 05 23 00-1504	EA	5/16"	Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.15	
05 05 23 00-1505	EA	3/8"	Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.21	
05 05 23 00-1506	EA	7/16"	Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.40	
05 05 23 00-1507	EA	1/2"	Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.44	
05 05 23 00-1508	EA	9/16"	Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	1.07	
05 05 23 00-1509	EA	5/8"	Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	1.26	
05 05 23 00-1510	EA	3/4"	Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	1.47	
05 05 23 00-1511	EA	7/8"	Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	2.66	
05 05 23 00-1512	EA	1"	Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	3.76	
05 05 23 00-1513	EA	1-1/8"	Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	6.56	
05 05 23 00-1514	EA	1-1/4"	Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	8.72	
05 05 23 00-1515	EA	1-3/8"	Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	11.09	
05 05 23 00-1516	EA	1-1/2"	Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	13.31	

**05 05 23 00-1517 316 Stainless Steel Lock Washers** (05 05 23 00-1467)

05 05 23 00-1518	EA	1/4"	Inside Diameter, 316 Stainless Steel Lock Washer.....	0.13	
05 05 23 00-1519	EA	5/16"	Inside Diameter, 316 Stainless Steel Lock Washer.....	0.29	
05 05 23 00-1520	EA	3/8"	Inside Diameter, 316 Stainless Steel Lock Washer.....	0.34	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 05 23 00-1521	EA	7/16" Inside Diameter, 316 Stainless Steel Lock Washer .....		0.58	
05 05 23 00-1522	EA	1/2" Inside Diameter, 316 Stainless Steel Lock Washer .....		0.64	
05 05 23 00-1523	EA	9/16" Inside Diameter, 316 Stainless Steel Lock Washer .....		1.14	
05 05 23 00-1524	EA	5/8" Inside Diameter, 316 Stainless Steel Lock Washer .....		1.25	
05 05 23 00-1525	EA	3/4" Inside Diameter, 316 Stainless Steel Lock Washer .....		2.16	
05 05 23 00-1526	EA	7/8" Inside Diameter, 316 Stainless Steel Lock Washer .....		3.58	
05 05 23 00-1527	EA	1" Inside Diameter, 316 Stainless Steel Lock Washer .....		4.87	
05 05 23 00-1528	EA	1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer .....		6.79	
05 05 23 00-1529	EA	1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer .....		10.46	
05 05 23 00-1530	EA	1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer .....		18.72	
05 05 23 00-1531	EA	1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer .....		20.79	
05 05 23 00-1532		<b>Load Indicating Washers</b> (05 05 23 00-1283)			
05 05 23 00-1533		A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1532)			
05 05 23 00-1534		<b>Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959)</b> (05 05 23 00-1533)			
05 05 23 00-1535	EA	1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....		2.41	
05 05 23 00-1536	EA	5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....		2.73	
05 05 23 00-1537	EA	3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....		2.94	
05 05 23 00-1538	EA	7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....		3.34	
05 05 23 00-1539	EA	1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....		4.04	
05 05 23 00-1540	EA	1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....		6.72	
05 05 23 00-1541	EA	1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....		8.67	
05 05 23 00-1542	EA	1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....		11.07	
05 05 23 00-1543	EA	1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....		12.18	
05 05 23 00-1544		<b>Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959)</b> (05 05 23 00-1533)			
05 05 23 00-1545	EA	1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....		3.05	
05 05 23 00-1546	EA	5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....		3.40	
05 05 23 00-1547	EA	3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....		3.30	
05 05 23 00-1548	EA	7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....		4.04	
05 05 23 00-1549	EA	1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....		4.78	
05 05 23 00-1550	EA	1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....		7.21	
05 05 23 00-1551	EA	1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....		9.07	
05 05 23 00-1552	EA	1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....		12.91	
05 05 23 00-1553	EA	1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....		14.20	
05 05 23 00-1554		<b>Beveled Washers</b> (05 05 23 00-1283)			
05 05 23 00-1555		<b>Plain Finish, Square Beveled Structural Washers (ASTM F436)</b> (05 05 23 00-1554)			
05 05 23 00-1556	EA	1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436) .....		3.98	
05 05 23 00-1557	EA	5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436) .....		4.06	
05 05 23 00-1558	EA	3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436) .....		4.16	
05 05 23 00-1559	EA	7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436) .....		5.05	
05 05 23 00-1560	EA	1", Plain Finish, Square Beveled Structural Washer (ASTM F436) .....		5.32	
05 05 23 00-1561		<b>Galvanized, Square Beveled Structural Washers (ASTM F436)</b> (05 05 23 00-1554)			
05 05 23 00-1562	EA	1/2", Galvanized, Square Beveled Structural Washer (ASTM F436) .....		5.73	
05 05 23 00-1563	EA	5/8", Galvanized, Square Beveled Structural Washer (ASTM F436) .....		5.98	
05 05 23 00-1564	EA	3/4", Galvanized, Square Beveled Structural Washer (ASTM F436) .....		5.98	
05 05 23 00-1565	EA	7/8", Galvanized, Square Beveled Structural Washer (ASTM F436) .....		6.33	
05 05 23 00-1566	EA	1", Galvanized, Square Beveled Structural Washer (ASTM F436) .....		6.73	
05 05 23 00-1567		<b>Drilling In Steel Plates</b> (05 05 23)			
05 05 23 00-1568	EA	Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate .....		18.65	
		For Aluminum, Deduct .....		-1.87	
		For Stainless Steel, Add .....		2.33	
		For >5 To 10, Deduct .....		-1.87	
		For >10 To 25, Deduct .....		-4.66	
		For >25 To 50, Deduct .....		-6.53	
		For >50, Deduct .....		-9.33	
05 05 23 00-1569	EA	>1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate .....		21.94	
		For Aluminum, Deduct .....		-2.19	
		For Stainless Steel, Add .....		2.74	
		For >5 To 10, Deduct .....		-2.19	
		For >10 To 25, Deduct .....		-5.49	
		For >25 To 50, Deduct .....		-7.68	
		For >50, Deduct .....		-10.97	
05 05 23 00-1570	EA	>7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate .....		26.32	
		For Aluminum, Deduct .....		-2.63	
		For Stainless Steel, Add .....		3.29	
		For >5 To 10, Deduct .....		-2.63	
		For >10 To 25, Deduct .....		-6.58	
		For >25 To 50, Deduct .....		-9.21	
		For >50, Deduct .....		-13.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1571	EA		>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate.....	30.72	
			<i>For Aluminum, Deduct</i>	-3.07	
			<i>For Stainless Steel, Add</i>	3.84	
			<i>For &gt;5 To 10, Deduct</i>	-3.07	
			<i>For &gt;10 To 25, Deduct</i>	-7.68	
			<i>For &gt;25 To 50, Deduct</i>	-10.75	
			<i>For &gt;50, Deduct</i>	-15.36	
05 05 23 00-1572	EA		>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate.....	41.14	
			<i>For Aluminum, Deduct</i>	-4.11	
			<i>For Stainless Steel, Add</i>	5.14	
			<i>For &gt;5 To 10, Deduct</i>	-4.11	
			<i>For &gt;10 To 25, Deduct</i>	-10.29	
			<i>For &gt;25 To 50, Deduct</i>	-14.40	
			<i>For &gt;50, Deduct</i>	-20.57	
05 05 23 00-1573	EA		Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	21.94	
			<i>For Aluminum, Deduct</i>	-2.19	
			<i>For Stainless Steel, Add</i>	2.74	
			<i>For &gt;5 To 10, Deduct</i>	-2.19	
			<i>For &gt;10 To 25, Deduct</i>	-5.49	
			<i>For &gt;25 To 50, Deduct</i>	-7.68	
			<i>For &gt;50, Deduct</i>	-10.97	
05 05 23 00-1574	EA		>1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	27.43	
			<i>For Aluminum, Deduct</i>	-2.74	
			<i>For Stainless Steel, Add</i>	3.43	
			<i>For &gt;5 To 10, Deduct</i>	-2.74	
			<i>For &gt;10 To 25, Deduct</i>	-6.86	
			<i>For &gt;25 To 50, Deduct</i>	-9.60	
			<i>For &gt;50, Deduct</i>	-13.72	
05 05 23 00-1575	EA		>7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	32.91	
			<i>For Aluminum, Deduct</i>	-3.29	
			<i>For Stainless Steel, Add</i>	4.11	
			<i>For &gt;5 To 10, Deduct</i>	-3.29	
			<i>For &gt;10 To 25, Deduct</i>	-8.23	
			<i>For &gt;25 To 50, Deduct</i>	-11.52	
			<i>For &gt;50, Deduct</i>	-16.46	
05 05 23 00-1576	EA		>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	41.14	
			<i>For Aluminum, Deduct</i>	-4.11	
			<i>For Stainless Steel, Add</i>	5.14	
			<i>For &gt;5 To 10, Deduct</i>	-4.11	
			<i>For &gt;10 To 25, Deduct</i>	-10.29	
			<i>For &gt;25 To 50, Deduct</i>	-14.40	
			<i>For &gt;50, Deduct</i>	-20.57	
05 05 23 00-1577	EA		Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	27.43	
			<i>For Aluminum, Deduct</i>	-2.74	
			<i>For Stainless Steel, Add</i>	3.43	
			<i>For &gt;5 To 10, Deduct</i>	-2.74	
			<i>For &gt;10 To 25, Deduct</i>	-6.86	
			<i>For &gt;25 To 50, Deduct</i>	-9.60	
			<i>For &gt;50, Deduct</i>	-13.72	
05 05 23 00-1578	EA		>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	36.20	
			<i>For Aluminum, Deduct</i>	-3.62	
			<i>For Stainless Steel, Add</i>	4.53	
			<i>For &gt;5 To 10, Deduct</i>	-3.62	
			<i>For &gt;10 To 25, Deduct</i>	-9.05	
			<i>For &gt;25 To 50, Deduct</i>	-12.67	
			<i>For &gt;50, Deduct</i>	-18.10	
05 05 23 00-1579	EA		>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	43.88	
			<i>For Aluminum, Deduct</i>	-4.39	
			<i>For Stainless Steel, Add</i>	5.49	
			<i>For &gt;5 To 10, Deduct</i>	-4.39	
			<i>For &gt;10 To 25, Deduct</i>	-10.97	
			<i>For &gt;25 To 50, Deduct</i>	-15.36	
			<i>For &gt;50, Deduct</i>	-21.94	
<b>05 05 23 00-1580 Welded Stud Anchors (05 05 23)</b>					
05 05 23 00-1581	EA		1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	3.49	
05 05 23 00-1582	EA		2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	3.56	
05 05 23 00-1583	EA		3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	3.59	
05 05 23 00-1584	EA		4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	3.62	
05 05 23 00-1585	EA		1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	3.47	
05 05 23 00-1586	EA		1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	3.64	
05 05 23 00-1587	EA		2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	3.81	
05 05 23 00-1588	EA		2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	3.90	
05 05 23 00-1589	EA		3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	3.99	
05 05 23 00-1590	EA		4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.35	
05 05 23 00-1591	EA		5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.64	
05 05 23 00-1592	EA		6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.88	
05 05 23 00-1593	EA		1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	4.22	
05 05 23 00-1594	EA		1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	4.24	
05 05 23 00-1595	EA		2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	4.51	
05 05 23 00-1596	EA		2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	4.77	
05 05 23 00-1597	EA		3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.08	
05 05 23 00-1598	EA		4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.56	
05 05 23 00-1599	EA		5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.88	
05 05 23 00-1600	EA		6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.73	
05 05 23 00-1601	EA		8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	8.35	
05 05 23 00-1602	EA		2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	5.93	
05 05 23 00-1603	EA		3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	6.34	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1604	EA		3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors .....	6.67	
05 05 23 00-1605	EA		4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors .....	7.01	
05 05 23 00-1606	EA		4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors .....	7.28	
05 05 23 00-1607	EA		5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors .....	7.53	
05 05 23 00-1608	EA		6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors .....	7.86	
05 05 23 00-1609	EA		6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors .....	9.25	
05 05 23 00-1610	EA		8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors .....	11.16	
<b>05 05 23 00-1611</b>			<b>Welded Shear Stud Connector (05 05 23)</b>		
<b>05 05 23 00-1612</b>			<b>3/4" Diameter Welded Shear Stud Connector (05 05 23 00-1611)</b>		
05 05 23 00-1613	EA		3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector .....	7.55	
05 05 23 00-1614	EA		3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector .....	7.84	
05 05 23 00-1615	EA		3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector .....	7.92	
05 05 23 00-1616	EA		3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector .....	7.96	
05 05 23 00-1617	EA		3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector .....	8.29	
05 05 23 00-1618	EA		3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector .....	8.90	
05 05 23 00-1619	EA		3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector .....	14.76	
05 05 23 00-1620	EA		3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector .....	9.60	
05 05 23 00-1621	EA		3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector .....	10.67	
05 05 23 00-1622	EA		3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector .....	14.12	
05 05 23 00-1623	EA		3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector .....	14.45	
05 05 23 00-1624	EA		3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector .....	15.62	
05 05 23 00-1625	EA		3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector .....	20.53	
<b>05 05 23 00-1626</b>			<b>7/8" Diameter Welded Shear Stud Connector (05 05 23 00-1611)</b>		
05 05 23 00-1627	EA		7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector .....	9.01	
05 05 23 00-1628	EA		7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector .....	9.48	
05 05 23 00-1629	EA		7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector .....	9.95	
05 05 23 00-1630	EA		7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector .....	11.29	
05 05 23 00-1631	EA		7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector .....	14.84	
05 05 23 00-1632	EA		7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector .....	16.26	
05 05 23 00-1633	EA		7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector .....	17.67	
05 05 23 00-1634	EA		7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector .....	21.60	
<b>05 05 23 00-1635</b>			<b>1" Diameter Welded Shear Stud Connector (05 05 23 00-1611)</b>		
05 05 23 00-1636	EA		1" Diameter x 3-1/4" Long, Welded Shear Stud Connector .....	12.07	
05 05 23 00-1637	EA		1" Diameter x 4-1/4" Long, Welded Shear Stud Connector .....	13.51	
05 05 23 00-1638	EA		1" Diameter x 5-1/4" Long, Welded Shear Stud Connector .....	15.64	
05 05 23 00-1639	EA		1" Diameter x 6-1/4" Long, Welded Shear Stud Connector .....	20.16	
05 05 23 00-1640	EA		1" Diameter x 7-1/4" Long, Welded Shear Stud Connector .....	22.38	
05 05 23 00-1641	EA		1" Diameter x 8-1/4" Long, Welded Shear Stud Connector .....	24.61	
<b>05 10 Structural Metal Framing (05)</b>					
<b>05 12 Structural Steel Framing (05 10)</b>					
<b>05 12 23 Structural Steel for Buildings (05 12)</b>					
			See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0117 for field fabrication of additional structural metal connections.		
<b>05 12 23 00-0001</b>			<b>Rolled Steel Members (05 12 23)</b>		
			Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0117 for field fabrication of additional structural metal connections.		
<b>05 12 23 00-0002</b>			<b>Beams, Girders And Columns (05 12 23 00-0001)</b>		
			Note: For one and two story I beams and W shapes and HP shapes.		
05 12 23 00-0003	TON		Up To 30 LB/LF Beams, Girders And Columns .....	7,670.87	1,132.97
			For ASTM A242 Type 2 High Strength Steel, Add	426.16	
			For Hot Dip Galvanizing, Add	1,491.55	
05 12 23 00-0004	TON		>30-65 LB/LF Beams, Girders And Columns .....	5,153.19	732.39
			For ASTM A242 Type 2 High Strength Steel, Add	349.75	
			For Hot Dip Galvanizing, Add	1,224.13	
05 12 23 00-0005	TON		>65-100 LB/LF Beams, Girders And Columns .....	4,320.77	412.01
			For ASTM A242 Type 2 High Strength Steel, Add	310.50	
			For Hot Dip Galvanizing, Add	1,086.76	
05 12 23 00-0006	TON		>100-300 LB/LF Beams, Girders And Columns .....	2,887.71	219.30
			For ASTM A242 Type 2 High Strength Steel, Add	212.27	
			For Hot Dip Galvanizing, Add	742.93	
<b>05 12 23 00-0007</b>			<b>Trusses, Built-Up (05 12 23 00-0001)</b>		
05 12 23 00-0008	TON		Built-Up Trusses, Rolled Structural Steel Members .....	5,466.22	770.52
			For ASTM A242 Type 2 High Strength Steel, Add	371.58	
			For Hot Dip Galvanizing, Add	1,300.53	
<b>05 12 23 00-0009</b>			<b>Shapes (05 12 23 00-0001)</b>		
<b>05 12 23 00-0010</b>			<b>Rolled Shape Steel Angles (05 12 23 00-0009)</b>		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0011		TON	Up To 10 LB/LF Rolled Shape Steel Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	11,203.24 615.43 2,154.01	2,106.21
	05 12 23 00-0012		TON	>10 To 20 LB/LF Rolled Shape Steel Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	9,702.95 588.72 2,060.53	1,236.04
	05 12 23 00-0013		TON	>20 To 58 LB/LF Rolled Shape Steel Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,254.81 517.89 1,812.62	732.39
<b>05 12 23 00-0014</b>				<b>Rolled C, MC Steel Channels</b> (05 12 23 00-0009)		
	05 12 23 00-0015		TON	Up To 10 LB/LF Rolled C, MC Steel Channels ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	12,406.22 606.14 2,121.50	2,884.09
	05 12 23 00-0016		TON	>10 To 20 Rolled C, MC Steel Channels ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	9,601.34 580.60 2,032.08	2,197.40
	05 12 23 00-0017		TON	>20 To 58 LB/LF Rolled C, MC Steel Channels ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,138.69 508.60 1,780.11	732.39
<b>05 12 23 00-0018</b>				<b>Double L Shape Steel Angles</b> (05 12 23 00-0009)		
	05 12 23 00-0019		TON	Up To 20 LB/LF Double L Shape Steel Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	10,327.88 592.21 2,072.73	1,671.13
	05 12 23 00-0020		TON	>20 To 50 LB/LF Double L Shape Steel Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,748.32 557.37 1,950.80	732.39
	05 12 23 00-0021		TON	>50 To 80 LB/LF Double L Shape Steel Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,809.99 429.64 1,503.74	412.01
	05 12 23 00-0022		TON	>80 To 115 LB/LF Double L Shape Steel Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,717.60 278.69 975.40	219.63
<b>05 12 23 00-0023</b>				<b>Structural WT, MT, ST Tee Shapes</b> (05 12 23 00-0001)		
	05 12 23 00-0024		TON	Up To 30 LB/LF Structural WT, MT, ST Tee Shapes ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	9,311.05 557.37 1,950.80	1,236.04
	05 12 23 00-0025		TON	>30 To 65 LB/LF Structural WT, MT, ST Tee Shapes ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,108.26 426.16 1,491.55	732.39
	05 12 23 00-0026		TON	>65 To 100 LB/LF Structural WT, MT, ST Tee Shapes ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,793.95 348.36 1,219.25	412.01
	05 12 23 00-0027		TON	>100 To 365 LB/LF Structural WT, MT, ST Tee Shapes ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,514.75 262.43 918.50	219.30
<b>05 12 23 00-0028</b>				<b>Combination Section Shapes</b> (05 12 23 00-0001)		
<b>05 12 23 00-0029</b>				<b>Combination Section, W Shapes And Angles</b> (05 12 23 00-0028)		
	05 12 23 00-0030		TON	Up To 30 LB/LF Combination Section - W Shapes And Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	8,861.08 521.37 1,824.81	1,236.04
	05 12 23 00-0031		TON	>30-65 LB/LF Combination Section - W Shapes And Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,151.82 429.64 1,503.75	732.39
	05 12 23 00-0032		TON	>65-100 LB/LF Combination Section - W Shapes And Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,431.07 319.33 1,117.65	412.01
	05 12 23 00-0033		TON	>100-300 LB/LF Combination Section - W Shapes And Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,804.70 285.65 999.79	219.30
	05 12 23 00-0034		TON	>300-500 LB/LF Combination Section - W Shapes And Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,266.93 251.98 881.93	110.09
<b>05 12 23 00-0035</b>				<b>Combination Section, S Shapes And Angles</b> (05 12 23 00-0028)		
	05 12 23 00-0036		TON	>30-65 LB/LF Combination Section - S Shapes And Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,919.57 411.06 1,438.72	732.39
	05 12 23 00-0037		TON	>65-100 LB/LF Combination Section - S Shapes And Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,445.59 320.49 1,121.71	412.01
<b>05 12 23 00-0038</b>				<b>Combination Section, Channels And Angles</b> (05 12 23 00-0028)		
	05 12 23 00-0039		TON	Up To 30 LB/LF Combination Section - Channels And Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	9,311.05 557.37 1,950.80	1,236.04

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0040	TON >30-65 LB/LF Combination Section - Channels And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,442.11 452.86 1,585.03	732.39
05 12 23 00-0041	TON >65-100 LB/LF Combination Section - Channels And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,547.19 328.62 1,150.16	412.01
<b>05 12 23 00-0042</b>	<b>Standard Weight Pipe</b> (05 12 23 00-0001)		
05 12 23 00-0043	TON 1/2" To 5" Diameter Standard Weight Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,231.82 362.29 1,268.02	659.22
05 12 23 00-0044	TON >5" To 12" Diameter Standard Weight Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,610.81 378.55 1,324.92	824.03
<b>05 12 23 00-0045</b>	<b>Structural Steel Shapes</b> (05 12 23)		
	Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0117 for field fabrication of additional structural metal connections.		
<b>05 12 23 00-0046</b>	<b>Steel Rods</b> (05 12 23 00-0045)		
05 12 23 00-0047	TON 1/2" To 5" Diameter Extra Strong Steel, Solid..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,600.53 404.09 1,414.33	515.07
05 12 23 00-0048	TON >5" To 12" Diameter Extra Strong Steel, Solid..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,442.11 452.86 1,585.03	732.39
<b>05 12 23 00-0049</b>	<b>Column Base Plates</b> (05 12 23 00-0045)		
05 12 23 00-0050	LB Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2.89 0.17 0.61	0.67
05 12 23 00-0051	LB Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2.71 0.17 0.58	0.57
05 12 23 00-0052	TON Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,124.46 359.20 1,257.20	594.80
05 12 23 00-0053	TON Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,628.24 259.80 909.32	356.88
<b>05 12 23 00-0054</b>	<b>Double Extra Strong Pipes</b> (05 12 23 00-0045)		
05 12 23 00-0055	TON 2" To 5" Diameter Double Extra Strong Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,781.45 462.15 1,617.54	941.70
05 12 23 00-0056	TON >5" To 8" Diameter Double Extra Strong Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,317.83 462.15 1,617.54	507.05
<b>05 12 23 00-0057</b>	<b>Structural Pipes</b> (05 12 23 00-0045)		
05 12 23 00-0058	TON 3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,733.60 325.13 1,137.97	435.09
05 12 23 00-0059	TON >5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,171.17 325.13 1,137.97	501.78
<b>05 12 23 00-0060</b>	<b>Structural Tubing</b> (05 12 23 00-0045)		
<b>05 12 23 00-0061</b>	<b>Rectangle Structural Tubing</b> (05 12 23 00-0060)		
05 12 23 00-0062	TON 3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,726.22 580.60 2,032.08	439.48
05 12 23 00-0063	TON 4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,798.34 580.60 2,032.08	507.05
05 12 23 00-0064	TON 5" x 4", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,827.38 499.31 1,747.59	549.35
05 12 23 00-0065	TON 6" x 4", 3", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,509.13 464.48 1,625.67	659.22
05 12 23 00-0066	TON 7" x 5", 4", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,151.81 429.64 1,503.74	732.39
05 12 23 00-0067	TON 8" x 6", 4", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,451.64 429.64 1,503.74	1,013.55



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0068		TON	10" x 6", 4", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	6,915.84 438.93 1,536.26	1,339.86
	05 12 23 00-0069		TON	12" x 6", 4", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	7,105.90 443.58 1,552.51	1,463.58
	05 12 23 00-0070		TON	14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	7,302.61 443.58 1,552.51	1,648.05
	05 12 23 00-0071		TON	16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	9,179.73 438.93 1,536.26	3,462.33
	05 12 23 00-0072		TON	18" x 6" Weight Range 48-76 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	7,685.38 427.32 1,495.61	2,197.40
	05 12 23 00-0073		TON	20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	11,024.17 450.54 1,576.90	5,055.45
<b>05 12 23 00-0074</b>	<b>Square Structural Tubing</b> <small>(05 12 23 00-0060)</small>					
	05 12 23 00-0075		TON	2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	7,696.92 580.60 2,032.08	412.01
	05 12 23 00-0076		TON	2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	7,726.22 580.60 2,032.08	439.48
	05 12 23 00-0077		TON	3" x 3" Weight Range 6-11 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	6,972.53 510.92 1,788.23	549.35
	05 12 23 00-0078		TON	3.5" x 3.5" Weight Range 8-13 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	6,944.57 499.31 1,747.59	659.22
	05 12 23 00-0079		TON	4" x 4" Weight Range 10-22 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,639.84 380.87 1,333.05	824.03
	05 12 23 00-0080		TON	5" x 5" Weight Range 12-30 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,765.40 380.87 1,333.05	941.70
	05 12 23 00-0081		TON	6" x 6" Weight Range 15-35 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	6,167.22 380.87 1,333.05	1,318.44
	05 12 23 00-0082		TON	7" x 7" Weight Range 17-42 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	6,605.89 387.84 1,357.43	1,648.05
	05 12 23 00-0083		TON	8" x 8" Weight Range 20-60 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	7,975.68 450.54 1,576.90	2,197.40
	05 12 23 00-0084		TON	10" x 10" Weight Range 33-77 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	9,147.62 450.54 1,576.90	3,296.10
	05 12 23 00-0085		TON	12" x 12" Weight Range 40-80 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	8,974.54 387.84 1,357.43	3,868.63
	05 12 23 00-0086		TON	14" x 14" Weight Range 57-90 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	10,908.05 441.25 1,544.38	5,055.45
	05 12 23 00-0087		TON	16" x 16" Weight Range 65-105 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	12,663.46 450.54 1,576.90	6,592.20
<b>05 12 23 00-0088</b>	<b>Structural Shapes</b> <small>(05 12 23 00-0045)</small>					
	05 12 23 00-0089		TON	Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF) <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For &gt;20 To 50 LB/LF, Deduct For &gt;50 To 75 LB/LF, Deduct For &gt;75 To 100 LB/LF, Deduct</i>	7,094.55 265.44 929.04 -898.28 -1,441.84 -1,985.39	2,379.23
	05 12 23 00-0090		TON	Structural Shapes, Steel Plate A36 Structural Steel <i>Note: Up to 21.5 LB per SF For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For &gt;21.5 To 50 LB/LF, Deduct</i>	5,910.41 371.59 1,300.56 -654.32	951.69
	05 12 23 00-0091		LB	Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF)	3.43	0.21
	05 12 23 00-0092		LB	Structural Shapes, Galvanized Pipe Supports	4.15	0.21
<b>05 12 23 00-0093</b>	<b>Built-Up Trusses</b> <small>(05 12 23 00-0045)</small>					
	05 12 23 00-0094		TON	Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up	6,259.14	329.61
	05 12 23 00-0095		TON	>50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up	6,160.95	183.04
	05 12 23 00-0096		TON	>100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up	5,473.92	96.91
	05 12 23 00-0097		TON	>200 LF Span Average Weight 180 LB/LF Trusses, Built-up	5,323.02	91.64
<b>05 12 23 00-0098</b>	<b>Masonry Plates, Filler Plates, Sole Plates And Anchor Straps</b> <small>(05 12 23 00-0045)</small>					
	<i>Note: Includes shop fabrication, welds, drilling and shop primer.</i>					
	05 12 23 00-0099	SF		1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	21.99	6.85

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0100	SF 3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	32.99	10.25
05 12 23 00-0101	SF 1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	43.99	13.67
05 12 23 00-0102	SF 5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	54.98	17.07
05 12 23 00-0103	SF 3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	65.98	20.39
05 12 23 00-0104	SF 7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	76.97	23.91
05 12 23 00-0105	SF 1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	87.98	27.32
05 12 23 00-0106	SF 1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	98.97	30.74
05 12 23 00-0107	SF 1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	109.97	34.15
05 12 23 00-0108	SF 1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	120.96	37.57
05 12 23 00-0109	SF 1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	131.96	40.99
05 12 23 00-0110	SF 1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	142.96	44.41
05 12 23 00-0111	SF 1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	153.97	47.81
05 12 23 00-0112	SF 1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	164.96	51.23
05 12 23 00-0113	SF 2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	175.96	54.64
05 12 23 00-0114	<b>Accessories For Steel</b> (05 12 23)		
05 12 23 00-0115	<b>Field Painting For Touch-Up Of Shop Prime Coat</b> (05 12 23 00-0114)		
05 12 23 00-0116	SF Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat .....	0.94	
05 12 23 00-0117	<b>Connection And Stiffener Plates</b> (05 12 23 00-0114)		
	Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0118	TON 1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates .....	13,409.26	
05 12 23 00-0119	TON 3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates .....	11,440.73	
05 12 23 00-0120	TON 1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates .....	8,847.35	
05 12 23 00-0121	TON 5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates .....	8,847.35	
05 12 23 00-0122	TON 3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates .....	8,847.35	
05 12 23 00-0123	TON 1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates .....	8,847.35	
05 12 23 00-0124	TON 9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates .....	8,847.35	
05 12 23 00-0125	TON 5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates .....	8,847.35	
05 12 23 00-0126	TON 3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates .....	8,294.39	
05 12 23 00-0127	TON 7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates .....	8,294.39	
05 12 23 00-0128	TON 1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates .....	8,294.39	
05 12 23 00-0129	<b>Field Applied Cold Galvanizing</b> (05 12 23 00-0114)		
05 12 23 00-0130	SF Brush Applied Cold Galvanizing .....	1.63	
05 12 23 00-0131	<b>Metal Grinding</b> (05 12 23 00-0114)		
	Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0132	SI Metal Grinding Up To 1/32" Thickness To Be Removed .....	1.18	
	Note: Includes rust or scale removal on metal and smoothing surface.		
05 12 23 00-0133	<b>Structural Steel For Buildings And Structures</b> (05 12 23)		
	Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.		
05 12 23 00-0134	<b>First Tier A992/A36 Structural Steel Columns, W Shapes</b> (05 12 23 00-0133)		
	Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0135	LF W14 x 730 A992/A36 Structural Column .....	1,267.79	65.99
	For Hot Dip Galvanizing, Add	332.29	
	For High Strength Low Alloy A572-50 Steel, Add	114.10	
	For High Strength Low Alloy A588 Grade B Steel, Add	253.56	
05 12 23 00-0136	LF W14 x 665 A992/A36 Structural Column .....	1,156.40	61.51
	For Hot Dip Galvanizing, Add	302.71	
	For High Strength Low Alloy A572-50 Steel, Add	104.08	
	For High Strength Low Alloy A588 Grade B Steel, Add	231.28	
05 12 23 00-0137	LF W14 x 605 A992/A36 Structural Column .....	1,053.46	57.25
	For Hot Dip Galvanizing, Add	275.39	
	For High Strength Low Alloy A572-50 Steel, Add	94.81	
	For High Strength Low Alloy A588 Grade B Steel, Add	210.69	
05 12 23 00-0138	LF W14 x 550 A992/A36 Structural Column .....	958.97	53.26
	For Hot Dip Galvanizing, Add	250.36	
	For High Strength Low Alloy A572-50 Steel, Add	86.31	
	For High Strength Low Alloy A588 Grade B Steel, Add	191.79	
05 12 23 00-0139	LF W14 x 500 A992/A36 Structural Column .....	881.13	57.13
	For Hot Dip Galvanizing, Add	227.60	
	For High Strength Low Alloy A572-50 Steel, Add	79.30	
	For High Strength Low Alloy A588 Grade B Steel, Add	176.23	
05 12 23 00-0140	LF W14 x 426 A992/A36 Structural Column .....	751.93	49.89
	For Hot Dip Galvanizing, Add	193.91	
	For High Strength Low Alloy A572-50 Steel, Add	67.67	
	For High Strength Low Alloy A588 Grade B Steel, Add	150.39	
05 12 23 00-0141	LF W14 x 342 A992/A36 Structural Column .....	608.40	43.18
	For Hot Dip Galvanizing, Add	156.07	
	For High Strength Low Alloy A572-50 Steel, Add	54.76	
	For High Strength Low Alloy A588 Grade B Steel, Add	121.68	
05 12 23 00-0142	LF W14 x 311 A992/A36 Structural Column .....	548.15	40.32
	For Hot Dip Galvanizing, Add	140.17	
	For High Strength Low Alloy A572-50 Steel, Add	49.33	
	For High Strength Low Alloy A588 Grade B Steel, Add	109.63	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0143	LF			W14 x 283 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	497.71 126.88 44.79 99.54	38.02
05 12 23 00-0144	LF			W14 x 257 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	437.82 110.84 39.40 87.56	36.04
05 12 23 00-0145	LF			W14 x 233 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	402.95 101.91 36.27 80.59	33.51
05 12 23 00-0146	LF			W14 x 211 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	358.60 90.27 32.27 71.72	31.20
05 12 23 00-0147	LF			W14 x 193 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	324.52 81.27 29.21 64.90	29.66
05 12 23 00-0148	LF			W14 x 176 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	292.68 72.84 26.34 58.54	28.35
05 12 23 00-0149	LF			W14 x 159 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	264.86 65.42 23.84 52.97	27.36
05 12 23 00-0150	LF			W14 x 145 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	255.97 63.20 23.04 51.19	26.48
05 12 23 00-0151	LF			W14 x 132 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	219.23 53.37 19.73 43.85	25.27
05 12 23 00-0152	LF			W14 x 120 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	205.67 49.79 18.51 41.13	24.61
05 12 23 00-0153	LF			W14 x 109 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	184.35 44.18 16.59 36.87	23.63
05 12 23 00-0154	LF			W14 x 99 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	168.38 39.96 15.15 33.68	22.97
05 12 23 00-0155	LF			W14 x 90 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	156.58 36.83 14.09 31.32	22.42
05 12 23 00-0156	LF			W14 x 82 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	144.38 33.63 12.99 28.88	21.76
05 12 23 00-0157	LF			W14 x 74 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	130.56 29.98 11.75 26.11	21.21
05 12 23 00-0158	LF			W14 x 68 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	122.09 27.72 10.99 24.42	20.87
05 12 23 00-0159	LF			W14 x 61 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	111.49 24.93 10.03 22.30	20.32
05 12 23 00-0160	LF			W14 x 53 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	101.71 22.37 9.15 20.34	19.77
05 12 23 00-0161	LF			W14 x 48 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	95.41 20.71 8.59 19.08	19.44
05 12 23 00-0162	LF			W14 x 43 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	86.29 18.30 7.77 17.26	19.11
05 12 23 00-0163	LF			W12 x 336 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	578.04 151.71 52.02 115.61	29.39
05 12 23 00-0164	LF			W12 x 305 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	526.99 137.72 47.43 105.40	28.80

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 12 23 00-0165	LF	W12 x 279 A992/A36 Structural Column.....		484.30	28.46
		<i>For Hot Dip Galvanizing, Add</i>		125.98	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		43.59	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		96.86	
05 12 23 00-0166	LF	W12 x 252 A992/A36 Structural Column.....		439.62	27.75
		<i>For Hot Dip Galvanizing, Add</i>		113.79	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		39.57	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		87.92	
05 12 23 00-0167	LF	W12 x 230 A992/A36 Structural Column.....		403.39	27.34
		<i>For Hot Dip Galvanizing, Add</i>		103.85	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		36.31	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		80.68	
05 12 23 00-0168	LF	W12 x 210 A992/A36 Structural Column.....		370.44	26.96
		<i>For Hot Dip Galvanizing, Add</i>		94.82	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		33.34	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		74.09	
05 12 23 00-0169	LF	W12 x 190 A992/A36 Structural Column.....		341.57	30.32
		<i>For Hot Dip Galvanizing, Add</i>		85.79	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		30.74	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		68.31	
05 12 23 00-0170	LF	W12 x 170 A992/A36 Structural Column.....		308.89	29.44
		<i>For Hot Dip Galvanizing, Add</i>		77.03	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		27.80	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		61.78	
05 12 23 00-0171	LF	W12 x 152 A992/A36 Structural Column.....		278.56	27.36
		<i>For Hot Dip Galvanizing, Add</i>		69.22	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		25.07	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		55.71	
05 12 23 00-0172	LF	W12 x 136 A992/A36 Structural Column.....		264.90	26.59
		<i>For Hot Dip Galvanizing, Add</i>		65.64	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		23.84	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		52.98	
05 12 23 00-0173	LF	W12 x 120 A992/A36 Structural Column.....		201.09	24.39
		<i>For Hot Dip Galvanizing, Add</i>		48.55	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		18.10	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		40.22	
05 12 23 00-0174	LF	W12 x 106 A992/A36 Structural Column.....		185.44	23.63
		<i>For Hot Dip Galvanizing, Add</i>		44.48	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		16.69	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		37.09	
05 12 23 00-0175	LF	W12 x 96 A992/A36 Structural Column.....		166.10	22.86
		<i>For Hot Dip Galvanizing, Add</i>		39.36	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		14.95	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		33.22	
05 12 23 00-0176	LF	W12 x 87 A992/A36 Structural Column.....		153.37	22.09
		<i>For Hot Dip Galvanizing, Add</i>		36.00	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		13.80	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		30.67	
05 12 23 00-0177	LF	W12 x 79 A992/A36 Structural Column.....		134.82	21.43
		<i>For Hot Dip Galvanizing, Add</i>		31.07	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		12.13	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		26.96	
05 12 23 00-0178	LF	W12 x 72 A992/A36 Structural Column.....		123.55	20.87
		<i>For Hot Dip Galvanizing, Add</i>		28.09	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		11.12	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		24.71	
05 12 23 00-0179	LF	W12 x 65 A992/A36 Structural Column.....		113.10	20.43
		<i>For Hot Dip Galvanizing, Add</i>		25.35	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		10.18	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		22.62	
05 12 23 00-0180	LF	W12 x 58 A992/A36 Structural Column.....		109.48	20.21
		<i>For Hot Dip Galvanizing, Add</i>		24.40	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		9.85	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		21.90	
05 12 23 00-0181	LF	W12 x 53 A992/A36 Structural Column.....		101.71	19.77
		<i>For Hot Dip Galvanizing, Add</i>		22.37	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		9.15	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		20.34	
05 12 23 00-0182	LF	W12 x 50 A992/A36 Structural Column.....		98.62	19.66
		<i>For Hot Dip Galvanizing, Add</i>		21.54	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		8.88	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		19.72	
05 12 23 00-0183	LF	W12 x 45 A992/A36 Structural Column.....		89.76	19.22
		<i>For Hot Dip Galvanizing, Add</i>		19.21	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		8.08	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		17.95	
05 12 23 00-0184	LF	W12 x 40 A992/A36 Structural Column.....		80.63	18.78
		<i>For Hot Dip Galvanizing, Add</i>		16.80	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		7.26	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		16.13	
05 12 23 00-0185	LF	W10 x 112 A992/A36 Structural Column.....		193.89	24.06
		<i>For Hot Dip Galvanizing, Add</i>		46.70	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		17.45	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		38.78	
05 12 23 00-0186	LF	W10 x 110 A992/A36 Structural Column.....		175.52	23.08
		<i>For Hot Dip Galvanizing, Add</i>		41.88	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		15.80	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		35.10	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0187	LF	W10 x 88 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	157.96 37.25 14.22 31.59	22.31
05 12 23 00-0188	LF	W10 x 77 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	140.66 32.69 12.66 28.13	21.43
05 12 23 00-0189	LF	W10 x 68 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	126.84 29.04 11.42 25.37	20.87
05 12 23 00-0190	LF	W10 x 60 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	111.49 24.93 10.03 22.30	20.32
05 12 23 00-0191	LF	W10 x 54 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	110.73 24.78 9.97 22.15	19.99
05 12 23 00-0192	LF	W10 x 49 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	97.42 21.24 8.77 19.48	19.66
05 12 23 00-0193	LF	W10 x 45 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	94.08 20.37 8.47 18.82	19.33
05 12 23 00-0194	LF	W10 x 39 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	82.11 17.17 7.39 16.42	19.00
05 12 23 00-0195	LF	W10 x 33 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	71.77 14.46 6.46 14.35	18.45
05 12 23 00-0196	LF	W8 x 67 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	122.22 27.76 11.00 24.44	20.87
05 12 23 00-0197	LF	W8 x 58 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	109.89 24.52 9.89 21.98	20.21
05 12 23 00-0198	LF	W8 x 48 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	98.51 21.54 8.87 19.70	19.66
05 12 23 00-0199	LF	W8 x 40 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	84.78 17.89 7.63 16.96	19.11
05 12 23 00-0200	LF	W8 x 35 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	76.74 15.78 6.91 15.35	18.67
05 12 23 00-0201	LF	W8 x 31 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	70.28 14.05 6.33 14.06	18.45
05 12 23 00-0202	LF	W8 x 28 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	66.26 12.99 5.96 13.25	18.24
05 12 23 00-0203	LF	W8 x 24 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	61.43 11.71 5.53 12.29	18.02
05 12 23 00-0204	LF	W8 x 21 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	58.22 10.88 5.24 11.64	17.91
05 12 23 00-0205	LF	W8 x 18 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	52.17 9.27 4.70 10.43	17.58
05 12 23 00-0206	LF	W6 x 25 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	64.41 12.54 5.80 12.88	18.02
05 12 23 00-0207	LF	W6 x 20 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	54.72 9.94 4.92 10.94	17.69
05 12 23 00-0208	LF	W6 x 15 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	47.12 7.98 4.24 9.42	17.14

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0209	LF W6 x 12 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	44.27 7.19 3.98 8.85	17.14
05 12 23 00-0210	LF W6 x 9 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	40.63 6.21 3.66 8.13	17.03
05 12 23 00-0211	LF W5 x 19 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	53.90 9.72 4.85 10.78	17.69
05 12 23 00-0212	LF W5 x 16 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	49.75 8.62 4.48 9.95	17.58
05 12 23 00-0213	LF W4 x 13 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	46.69 7.83 4.20 9.34	17.36
05 12 23 00-0214	A992/A36 Structural Steel Beams And Girders, W Shapes (05 12 23 00-0133) Note: Includes material delivery and erection.		
05 12 23 00-0215	LF W36 x 300 A992/A36 Structural Beam Or Girder..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	425.63 96.72 38.31 85.13 3.49 -137.41 51.08	72.27
05 12 23 00-0216	LF W36 x 280 A992/A36 Structural Beam Or Girder..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	413.20 90.27 37.19 82.64 3.25 -131.44 49.58	82.40
05 12 23 00-0217	LF W36 x 260 A992/A36 Structural Beam Or Girder..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	391.89 84.66 35.27 78.38 3.05 -124.14 47.03	81.42
05 12 23 00-0218	LF W36 x 240 A992/A36 Structural Beam Or Girder..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	364.03 80.40 32.76 72.81 2.90 -116.27 43.68	69.66
05 12 23 00-0219	LF W36 x 230 A992/A36 Structural Beam Or Girder..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	353.01 77.05 31.77 70.60 2.78 -112.25 42.36	70.65
05 12 23 00-0220	LF W36 x 210 A992/A36 Structural Beam Or Girder..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	337.56 70.35 30.38 67.51 2.54 -105.54 40.51	78.78
05 12 23 00-0221	LF W36 x 194 A992/A36 Structural Beam Or Girder..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	316.92 67.95 28.52 63.38 2.45 -100.11 38.03	67.56
05 12 23 00-0222	LF W36 x 182 A992/A36 Structural Beam Or Girder..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	301.24 63.74 27.11 60.25 2.30 -94.70 36.15	67.07
05 12 23 00-0223	LF W36 x 170 A992/A36 Structural Beam Or Girder..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	285.27 59.54 25.67 57.05 2.15 -89.24 34.23	66.29

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0224	LF			W36 x 160 A992/A36 Structural Beam Or Girder.....	283.25	76.25
				For Hot Dip Galvanizing, Add	56.04	
				For High Strength Low Alloy A572-50 Steel, Add	25.49	
				For High Strength Low Alloy A588 Steel, Add	56.65	
				For Each Additional Top Copes >2, Add	2.02	
				For Structural Tees, WT, MT Or ST, Deduct	-86.94	
				For Skewed Or Sloped Connections, Add	33.99	
05 12 23 00-0225	LF			W36 x 150 A992/A36 Structural Beam Or Girder.....	272.12	75.70
				For Hot Dip Galvanizing, Add	53.10	
				For High Strength Low Alloy A572-50 Steel, Add	24.49	
				For High Strength Low Alloy A588 Steel, Add	54.42	
				For Each Additional Top Copes >2, Add	1.91	
				For Structural Tees, WT, MT Or ST, Deduct	-83.13	
				For Skewed Or Sloped Connections, Add	32.65	
05 12 23 00-0226	LF			W36 x 135 A992/A36 Structural Beam Or Girder.....	256.55	75.04
				For Hot Dip Galvanizing, Add	49.00	
				For High Strength Low Alloy A572-50 Steel, Add	23.09	
				For High Strength Low Alloy A588 Steel, Add	51.31	
				For Each Additional Top Copes >2, Add	1.77	
				For Structural Tees, WT, MT Or ST, Deduct	-77.79	
				For Skewed Or Sloped Connections, Add	30.79	
05 12 23 00-0227	LF			W33 x 241 A992/A36 Structural Beam Or Girder.....	368.88	71.85
				For Hot Dip Galvanizing, Add	81.10	
				For High Strength Low Alloy A572-50 Steel, Add	33.20	
				For High Strength Low Alloy A588 Steel, Add	73.78	
				For Each Additional Top Copes >2, Add	2.92	
				For Structural Tees, WT, MT Or ST, Deduct	-117.61	
				For Skewed Or Sloped Connections, Add	44.27	
05 12 23 00-0228	LF			W33 x 221 A992/A36 Structural Beam Or Girder.....	342.75	70.08
				For Hot Dip Galvanizing, Add	74.37	
				For High Strength Low Alloy A572-50 Steel, Add	30.85	
				For High Strength Low Alloy A588 Steel, Add	68.55	
				For Each Additional Top Copes >2, Add	2.68	
				For Structural Tees, WT, MT Or ST, Deduct	-108.75	
				For Skewed Or Sloped Connections, Add	41.13	
05 12 23 00-0229	LF			W33 x 201 A992/A36 Structural Beam Or Girder.....	327.24	78.23
				For Hot Dip Galvanizing, Add	67.64	
				For High Strength Low Alloy A572-50 Steel, Add	29.45	
				For High Strength Low Alloy A588 Steel, Add	65.45	
				For Each Additional Top Copes >2, Add	2.44	
				For Structural Tees, WT, MT Or ST, Deduct	-102.01	
				For Skewed Or Sloped Connections, Add	39.27	
05 12 23 00-0230	LF			W33 x 170 A992/A36 Structural Beam Or Girder.....	295.20	76.79
				For Hot Dip Galvanizing, Add	59.20	
				For High Strength Low Alloy A572-50 Steel, Add	26.57	
				For High Strength Low Alloy A588 Steel, Add	59.04	
				For Each Additional Top Copes >2, Add	2.13	
				For Structural Tees, WT, MT Or ST, Deduct	-91.04	
				For Skewed Or Sloped Connections, Add	35.42	
05 12 23 00-0231	LF			W33 x 152 A992/A36 Structural Beam Or Girder.....	267.71	66.09
				For Hot Dip Galvanizing, Add	54.73	
				For High Strength Low Alloy A572-50 Steel, Add	24.09	
				For High Strength Low Alloy A588 Steel, Add	53.54	
				For Each Additional Top Copes >2, Add	1.97	
				For Structural Tees, WT, MT Or ST, Deduct	-83.12	
				For Skewed Or Sloped Connections, Add	32.13	
05 12 23 00-0232	LF			W33 x 141 A992/A36 Structural Beam Or Girder.....	263.26	75.26
				For Hot Dip Galvanizing, Add	50.77	
				For High Strength Low Alloy A572-50 Steel, Add	23.69	
				For High Strength Low Alloy A588 Steel, Add	52.65	
				For Each Additional Top Copes >2, Add	1.83	
				For Structural Tees, WT, MT Or ST, Deduct	-80.09	
				For Skewed Or Sloped Connections, Add	31.59	
05 12 23 00-0233	LF			W33 x 130 A992/A36 Structural Beam Or Girder.....	250.66	74.71
				For Hot Dip Galvanizing, Add	47.45	
				For High Strength Low Alloy A572-50 Steel, Add	22.56	
				For High Strength Low Alloy A588 Steel, Add	50.13	
				For Each Additional Top Copes >2, Add	1.71	
				For Structural Tees, WT, MT Or ST, Deduct	-75.78	
				For Skewed Or Sloped Connections, Add	30.08	
05 12 23 00-0234	LF			W33 x 118 A992/A36 Structural Beam Or Girder.....	236.01	74.05
				For Hot Dip Galvanizing, Add	43.57	
				For High Strength Low Alloy A572-50 Steel, Add	21.24	
				For High Strength Low Alloy A588 Steel, Add	47.20	
				For Each Additional Top Copes >2, Add	1.57	
				For Structural Tees, WT, MT Or ST, Deduct	-70.76	
				For Skewed Or Sloped Connections, Add	28.32	
05 12 23 00-0235	LF			W30 x 211 A992/A36 Structural Beam Or Girder.....	329.18	69.95
				For Hot Dip Galvanizing, Add	70.64	
				For High Strength Low Alloy A572-50 Steel, Add	29.63	
				For High Strength Low Alloy A588 Steel, Add	65.84	
				For Each Additional Top Copes >2, Add	2.55	
				For Structural Tees, WT, MT Or ST, Deduct	-104.02	
				For Skewed Or Sloped Connections, Add	39.50	
05 12 23 00-0236	LF			W30 x 191 A992/A36 Structural Beam Or Girder.....	313.39	77.68
				For Hot Dip Galvanizing, Add	63.95	
				For High Strength Low Alloy A572-50 Steel, Add	28.21	
				For High Strength Low Alloy A588 Steel, Add	62.68	
				For Each Additional Top Copes >2, Add	2.30	
				For Structural Tees, WT, MT Or ST, Deduct	-97.24	
				For Skewed Or Sloped Connections, Add	37.61	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0237	LF	W30 x 173 A992/A36	Structural Beam Or Girder.....	286.32	66.76
			For Hot Dip Galvanizing, Add	59.70	
			For High Strength Low Alloy A572-50 Steel, Add	25.77	
			For High Strength Low Alloy A588 Steel, Add	57.26	
			For Each Additional Top Copes >2, Add	2.15	
			For Structural Tees, WT, MT Or ST, Deduct	-89.53	
			For Skewed Or Sloped Connections, Add	34.36	
05 12 23 00-0238	LF	W30 x 154 A992/A36	Structural Beam Or Girder.....	272.35	75.81
			For Hot Dip Galvanizing, Add	53.14	
			For High Strength Low Alloy A572-50 Steel, Add	24.51	
			For High Strength Low Alloy A588 Steel, Add	54.47	
			For Each Additional Top Copes >2, Add	1.91	
			For Structural Tees, WT, MT Or ST, Deduct	-83.19	
			For Skewed Or Sloped Connections, Add	32.68	
05 12 23 00-0239	LF	W30 x 132 A992/A36	Structural Beam Or Girder.....	242.28	64.41
			For Hot Dip Galvanizing, Add	48.17	
			For High Strength Low Alloy A572-50 Steel, Add	21.81	
			For High Strength Low Alloy A588 Steel, Add	48.46	
			For Each Additional Top Copes >2, Add	1.74	
			For Structural Tees, WT, MT Or ST, Deduct	-74.49	
			For Skewed Or Sloped Connections, Add	29.07	
05 12 23 00-0240	LF	W30 x 124 A992/A36	Structural Beam Or Girder.....	231.72	64.37
			For Hot Dip Galvanizing, Add	45.25	
			For High Strength Low Alloy A572-50 Steel, Add	20.85	
			For High Strength Low Alloy A588 Steel, Add	46.34	
			For Each Additional Top Copes >2, Add	1.63	
			For Structural Tees, WT, MT Or ST, Deduct	-70.80	
			For Skewed Or Sloped Connections, Add	27.81	
05 12 23 00-0241	LF	W30 x 116 A992/A36	Structural Beam Or Girder.....	231.43	73.94
			For Hot Dip Galvanizing, Add	42.33	
			For High Strength Low Alloy A572-50 Steel, Add	20.83	
			For High Strength Low Alloy A588 Steel, Add	46.29	
			For Each Additional Top Copes >2, Add	1.53	
			For Structural Tees, WT, MT Or ST, Deduct	-69.17	
			For Skewed Or Sloped Connections, Add	27.77	
05 12 23 00-0242	LF	W30 x 108 A992/A36	Structural Beam Or Girder.....	213.75	66.58
			For Hot Dip Galvanizing, Add	39.62	
			For High Strength Low Alloy A572-50 Steel, Add	19.24	
			For High Strength Low Alloy A588 Steel, Add	42.75	
			For Each Additional Top Copes >2, Add	1.43	
			For Structural Tees, WT, MT Or ST, Deduct	-64.17	
			For Skewed Or Sloped Connections, Add	25.65	
05 12 23 00-0243	LF	W30 x 99 A992/A36	Structural Beam Or Girder.....	204.76	66.25
			For Hot Dip Galvanizing, Add	37.25	
			For High Strength Low Alloy A572-50 Steel, Add	18.43	
			For High Strength Low Alloy A588 Steel, Add	40.95	
			For Each Additional Top Copes >2, Add	1.34	
			For Structural Tees, WT, MT Or ST, Deduct	-61.09	
			For Skewed Or Sloped Connections, Add	24.57	
05 12 23 00-0244	LF	W27 x 178 A992/A36	Structural Beam Or Girder.....	319.02	78.16
			For Hot Dip Galvanizing, Add	65.39	
			For High Strength Low Alloy A572-50 Steel, Add	28.71	
			For High Strength Low Alloy A588 Steel, Add	63.80	
			For Each Additional Top Copes >2, Add	2.36	
			For Structural Tees, WT, MT Or ST, Deduct	-99.15	
			For Skewed Or Sloped Connections, Add	38.28	
05 12 23 00-0245	LF	W27 x 161 A992/A36	Structural Beam Or Girder.....	293.37	75.22
			For Hot Dip Galvanizing, Add	59.15	
			For High Strength Low Alloy A572-50 Steel, Add	26.40	
			For High Strength Low Alloy A588 Steel, Add	58.67	
			For Each Additional Top Copes >2, Add	2.13	
			For Structural Tees, WT, MT Or ST, Deduct	-90.65	
			For Skewed Or Sloped Connections, Add	35.20	
05 12 23 00-0246	LF	W27 x 146 A992/A36	Structural Beam Or Girder.....	270.68	72.55
			For Hot Dip Galvanizing, Add	53.64	
			For High Strength Low Alloy A572-50 Steel, Add	24.36	
			For High Strength Low Alloy A588 Steel, Add	54.14	
			For Each Additional Top Copes >2, Add	1.93	
			For Structural Tees, WT, MT Or ST, Deduct	-83.13	
			For Skewed Or Sloped Connections, Add	32.48	
05 12 23 00-0247	LF	W27 x 114 A992/A36	Structural Beam Or Girder.....	215.20	60.27
			For Hot Dip Galvanizing, Add	41.88	
			For High Strength Low Alloy A572-50 Steel, Add	19.37	
			For High Strength Low Alloy A588 Steel, Add	43.04	
			For Each Additional Top Copes >2, Add	1.51	
			For Structural Tees, WT, MT Or ST, Deduct	-65.68	
			For Skewed Or Sloped Connections, Add	25.82	
05 12 23 00-0248	LF	W27 x 102 A992/A36	Structural Beam Or Girder.....	205.69	66.25
			For Hot Dip Galvanizing, Add	37.47	
			For High Strength Low Alloy A572-50 Steel, Add	18.51	
			For High Strength Low Alloy A588 Steel, Add	41.14	
			For Each Additional Top Copes >2, Add	1.35	
			For Structural Tees, WT, MT Or ST, Deduct	-61.39	
			For Skewed Or Sloped Connections, Add	24.68	
05 12 23 00-0249	LF	W27 x 94 A992/A36	Structural Beam Or Girder.....	197.24	65.82
			For Hot Dip Galvanizing, Add	35.25	
			For High Strength Low Alloy A572-50 Steel, Add	17.75	
			For High Strength Low Alloy A588 Steel, Add	39.45	
			For Each Additional Top Copes >2, Add	1.27	
			For Structural Tees, WT, MT Or ST, Deduct	-58.50	
			For Skewed Or Sloped Connections, Add	23.67	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0250	LF			W27 x 84 A992/A36 Structural Beam Or Girder.....	186.92	65.38
				For Hot Dip Galvanizing, Add	32.54	
				For High Strength Low Alloy A572-50 Steel, Add	16.82	
				For High Strength Low Alloy A588 Steel, Add	37.38	
				For Each Additional Top Copes >2, Add	1.17	
				For Structural Tees, WT, MT Or ST, Deduct	-54.97	
				For Skewed Or Sloped Connections, Add	22.43	
05 12 23 00-0251	LF			W24 x 162 A992/A36 Structural Beam Or Girder.....	282.51	72.11
				For Hot Dip Galvanizing, Add	57.05	
				For High Strength Low Alloy A572-50 Steel, Add	25.43	
				For High Strength Low Alloy A588 Steel, Add	56.50	
				For Each Additional Top Copes >2, Add	2.06	
				For Structural Tees, WT, MT Or ST, Deduct	-87.34	
				For Skewed Or Sloped Connections, Add	33.90	
05 12 23 00-0252	LF			W24 x 146 A992/A36 Structural Beam Or Girder.....	259.02	69.13
				For Hot Dip Galvanizing, Add	51.42	
				For High Strength Low Alloy A572-50 Steel, Add	23.31	
				For High Strength Low Alloy A588 Steel, Add	51.80	
				For Each Additional Top Copes >2, Add	1.85	
				For Structural Tees, WT, MT Or ST, Deduct	-79.60	
				For Skewed Or Sloped Connections, Add	31.08	
05 12 23 00-0253	LF			W24 x 131 A992/A36 Structural Beam Or Girder.....	236.63	65.99
				For Hot Dip Galvanizing, Add	46.13	
				For High Strength Low Alloy A572-50 Steel, Add	21.30	
				For High Strength Low Alloy A588 Steel, Add	47.33	
				For Each Additional Top Copes >2, Add	1.66	
				For Structural Tees, WT, MT Or ST, Deduct	-72.26	
				For Skewed Or Sloped Connections, Add	28.40	
05 12 23 00-0254	LF			W24 x 117 A992/A36 Structural Beam Or Girder.....	215.35	62.70
				For Hot Dip Galvanizing, Add	41.20	
				For High Strength Low Alloy A572-50 Steel, Add	19.38	
				For High Strength Low Alloy A588 Steel, Add	43.07	
				For Each Additional Top Copes >2, Add	1.48	
				For Structural Tees, WT, MT Or ST, Deduct	-65.34	
				For Skewed Or Sloped Connections, Add	25.84	
05 12 23 00-0255	LF			W24 x 104 A992/A36 Structural Beam Or Girder.....	195.22	59.29
				For Hot Dip Galvanizing, Add	36.62	
				For High Strength Low Alloy A572-50 Steel, Add	17.57	
				For High Strength Low Alloy A588 Steel, Add	39.04	
				For Each Additional Top Copes >2, Add	1.32	
				For Structural Tees, WT, MT Or ST, Deduct	-58.84	
				For Skewed Or Sloped Connections, Add	23.43	
05 12 23 00-0256	LF			W24 x 94 A992/A36 Structural Beam Or Girder.....	189.50	65.82
				For Hot Dip Galvanizing, Add	33.10	
				For High Strength Low Alloy A572-50 Steel, Add	17.06	
				For High Strength Low Alloy A588 Steel, Add	37.90	
				For Each Additional Top Copes >2, Add	1.19	
				For Structural Tees, WT, MT Or ST, Deduct	-55.79	
				For Skewed Or Sloped Connections, Add	22.74	
05 12 23 00-0257	LF			W24 x 84 A992/A36 Structural Beam Or Girder.....	172.50	58.34
				For Hot Dip Galvanizing, Add	30.58	
				For High Strength Low Alloy A572-50 Steel, Add	15.53	
				For High Strength Low Alloy A588 Steel, Add	34.50	
				For Each Additional Top Copes >2, Add	1.10	
				For Structural Tees, WT, MT Or ST, Deduct	-51.03	
				For Skewed Or Sloped Connections, Add	20.70	
05 12 23 00-0258	LF			W24 x 76 A992/A36 Structural Beam Or Girder.....	164.59	57.90
				For Hot Dip Galvanizing, Add	28.51	
				For High Strength Low Alloy A572-50 Steel, Add	14.81	
				For High Strength Low Alloy A588 Steel, Add	32.92	
				For Each Additional Top Copes >2, Add	1.03	
				For Structural Tees, WT, MT Or ST, Deduct	-48.33	
				For Skewed Or Sloped Connections, Add	19.75	
05 12 23 00-0259	LF			W24 x 68 A992/A36 Structural Beam Or Girder.....	154.65	57.57
				For Hot Dip Galvanizing, Add	25.87	
				For High Strength Low Alloy A572-50 Steel, Add	13.92	
				For High Strength Low Alloy A588 Steel, Add	30.93	
				For Each Additional Top Copes >2, Add	0.93	
				For Structural Tees, WT, MT Or ST, Deduct	-44.92	
				For Skewed Or Sloped Connections, Add	18.56	
05 12 23 00-0260	LF			W24 x 62 A992/A36 Structural Beam Or Girder.....	149.44	57.24
				For Hot Dip Galvanizing, Add	24.52	
				For High Strength Low Alloy A572-50 Steel, Add	13.45	
				For High Strength Low Alloy A588 Steel, Add	29.89	
				For Each Additional Top Copes >2, Add	0.88	
				For Structural Tees, WT, MT Or ST, Deduct	-43.14	
				For Skewed Or Sloped Connections, Add	17.93	
05 12 23 00-0261	LF			W24 x 55 A992/A36 Structural Beam Or Girder.....	142.31	57.02
				For Hot Dip Galvanizing, Add	22.63	
				For High Strength Low Alloy A572-50 Steel, Add	12.81	
				For High Strength Low Alloy A588 Steel, Add	28.46	
				For Each Additional Top Copes >2, Add	0.82	
				For Structural Tees, WT, MT Or ST, Deduct	-40.70	
				For Skewed Or Sloped Connections, Add	17.08	
05 12 23 00-0262	LF			W21 x 147 A992/A36 Structural Beam Or Girder.....	246.45	59.30
				For Hot Dip Galvanizing, Add	50.84	
				For High Strength Low Alloy A572-50 Steel, Add	22.18	
				For High Strength Low Alloy A588 Steel, Add	49.29	
				For Each Additional Top Copes >2, Add	1.83	
				For Structural Tees, WT, MT Or ST, Deduct	-76.77	
				For Skewed Or Sloped Connections, Add	29.57	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0263	LF	W21 x 132 A992/A36	Structural Beam Or Girder.....	224.93	56.66
			<i>For Hot Dip Galvanizing, Add</i>	45.65	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.24	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	44.99	
			<i>For Each Additional Top Copcs &gt;2, Add</i>	1.65	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-69.66	
			<i>For Skewed Or Sloped Connections, Add</i>	26.99	
05 12 23 00-0264	LF	W21 x 122 A992/A36	Structural Beam Or Girder.....	211.45	55.70
			<i>For Hot Dip Galvanizing, Add</i>	42.19	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.03	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	42.29	
			<i>For Each Additional Top Copcs &gt;2, Add</i>	1.52	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-65.10	
			<i>For Skewed Or Sloped Connections, Add</i>	25.37	
05 12 23 00-0265	LF	W21 x 111 A992/A36	Structural Beam Or Girder.....	195.84	53.92
			<i>For Hot Dip Galvanizing, Add</i>	38.39	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.63	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	39.17	
			<i>For Each Additional Top Copcs &gt;2, Add</i>	1.38	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-59.92	
			<i>For Skewed Or Sloped Connections, Add</i>	23.50	
05 12 23 00-0266	LF	W21 x 101 A992/A36	Structural Beam Or Girder.....	181.53	52.19
			<i>For Hot Dip Galvanizing, Add</i>	34.93	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.34	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	36.31	
			<i>For Each Additional Top Copcs &gt;2, Add</i>	1.26	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-55.19	
			<i>For Skewed Or Sloped Connections, Add</i>	21.78	
05 12 23 00-0267	LF	W21 x 93 A992/A36	Structural Beam Or Girder.....	178.85	59.00
			<i>For Hot Dip Galvanizing, Add</i>	32.16	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.10	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	35.77	
			<i>For Each Additional Top Copcs &gt;2, Add</i>	1.16	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-53.16	
			<i>For Skewed Or Sloped Connections, Add</i>	21.46	
05 12 23 00-0268	LF	W21 x 83 A992/A36	Structural Beam Or Girder.....	169.51	58.34
			<i>For Hot Dip Galvanizing, Add</i>	29.75	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.26	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	33.90	
			<i>For Each Additional Top Copcs &gt;2, Add</i>	1.07	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-49.98	
			<i>For Skewed Or Sloped Connections, Add</i>	20.34	
05 12 23 00-0269	LF	W21 x 73 A992/A36	Structural Beam Or Girder.....	158.10	57.90
			<i>For Hot Dip Galvanizing, Add</i>	26.74	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.23	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	31.62	
			<i>For Each Additional Top Copcs &gt;2, Add</i>	0.96	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-46.07	
			<i>For Skewed Or Sloped Connections, Add</i>	18.97	
05 12 23 00-0270	LF	W21 x 68 A992/A36	Structural Beam Or Girder.....	152.34	57.57
			<i>For Hot Dip Galvanizing, Add</i>	25.23	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.71	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	30.47	
			<i>For Each Additional Top Copcs &gt;2, Add</i>	0.91	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-44.11	
			<i>For Skewed Or Sloped Connections, Add</i>	18.28	
05 12 23 00-0271	LF	W21 x 62 A992/A36	Structural Beam Or Girder.....	147.13	57.24
			<i>For Hot Dip Galvanizing, Add</i>	23.88	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.24	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	29.43	
			<i>For Each Additional Top Copcs &gt;2, Add</i>	0.86	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-42.33	
			<i>For Skewed Or Sloped Connections, Add</i>	17.66	
05 12 23 00-0272	LF	W21 x 57 A992/A36	Structural Beam Or Girder.....	142.43	57.13
			<i>For Hot Dip Galvanizing, Add</i>	22.63	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.82	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	28.49	
			<i>For Each Additional Top Copcs &gt;2, Add</i>	0.82	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-40.72	
			<i>For Skewed Or Sloped Connections, Add</i>	17.09	
05 12 23 00-0273	LF	W21 x 50 A992/A36	Structural Beam Or Girder.....	126.11	49.56
			<i>For Hot Dip Galvanizing, Add</i>	20.30	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.35	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	25.22	
			<i>For Each Additional Top Copcs &gt;2, Add</i>	0.73	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-36.19	
			<i>For Skewed Or Sloped Connections, Add</i>	15.13	
05 12 23 00-0274	LF	W21 x 44 A992/A36	Structural Beam Or Girder.....	120.62	49.34
			<i>For Hot Dip Galvanizing, Add</i>	18.87	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.86	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	24.12	
			<i>For Each Additional Top Copcs &gt;2, Add</i>	0.68	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-34.32	
			<i>For Skewed Or Sloped Connections, Add</i>	14.47	
05 12 23 00-0275	LF	W18 x 119 A992/A36	Structural Beam Or Girder.....	205.89	55.51
			<i>For Hot Dip Galvanizing, Add</i>	40.70	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	18.53	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	41.18	
			<i>For Each Additional Top Copcs &gt;2, Add</i>	1.47	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-63.18	
			<i>For Skewed Or Sloped Connections, Add</i>	24.71	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0276	LF			W18 x 106 A992/A36 Structural Beam Or Girder.....	186.77	52.60
				For Hot Dip Galvanizing, Add	36.26	
				For High Strength Low Alloy A572-50 Steel, Add	16.81	
				For High Strength Low Alloy A588 Steel, Add	37.35	
				For Each Additional Top Copes >2, Add	1.31	
				For Structural Tees, WT, MT Or ST, Deduct	-56.95	
				For Skewed Or Sloped Connections, Add	22.41	
05 12 23 00-0277	LF			W18 x 97 A992/A36 Structural Beam Or Girder.....	182.63	59.00
				For Hot Dip Galvanizing, Add	33.18	
				For High Strength Low Alloy A572-50 Steel, Add	16.44	
				For High Strength Low Alloy A588 Steel, Add	36.53	
				For Each Additional Top Copes >2, Add	1.20	
				For Structural Tees, WT, MT Or ST, Deduct	-54.46	
				For Skewed Or Sloped Connections, Add	21.92	
05 12 23 00-0278	LF			W18 x 86 A992/A36 Structural Beam Or Girder.....	171.92	58.45
				For Hot Dip Galvanizing, Add	30.39	
				For High Strength Low Alloy A572-50 Steel, Add	15.47	
				For High Strength Low Alloy A588 Steel, Add	34.38	
				For Each Additional Top Copes >2, Add	1.10	
				For Structural Tees, WT, MT Or ST, Deduct	-50.81	
				For Skewed Or Sloped Connections, Add	20.63	
05 12 23 00-0279	LF			W18 x 76 A992/A36 Structural Beam Or Girder.....	162.28	57.90
				For Hot Dip Galvanizing, Add	27.87	
				For High Strength Low Alloy A572-50 Steel, Add	14.61	
				For High Strength Low Alloy A588 Steel, Add	32.46	
				For Each Additional Top Copes >2, Add	1.00	
				For Structural Tees, WT, MT Or ST, Deduct	-47.52	
				For Skewed Or Sloped Connections, Add	19.47	
05 12 23 00-0280	LF			W18 x 71 A992/A36 Structural Beam Or Girder.....	155.27	57.79
				For Hot Dip Galvanizing, Add	25.99	
				For High Strength Low Alloy A572-50 Steel, Add	13.97	
				For High Strength Low Alloy A588 Steel, Add	31.05	
				For Each Additional Top Copes >2, Add	0.94	
				For Structural Tees, WT, MT Or ST, Deduct	-45.10	
				For Skewed Or Sloped Connections, Add	18.63	
05 12 23 00-0281	LF			W18 x 65 A992/A36 Structural Beam Or Girder.....	148.43	57.57
				For Hot Dip Galvanizing, Add	24.18	
				For High Strength Low Alloy A572-50 Steel, Add	13.36	
				For High Strength Low Alloy A588 Steel, Add	29.69	
				For Each Additional Top Copes >2, Add	0.87	
				For Structural Tees, WT, MT Or ST, Deduct	-42.76	
				For Skewed Or Sloped Connections, Add	17.81	
05 12 23 00-0282	LF			W18 x 60 A992/A36 Structural Beam Or Girder.....	142.26	57.13
				For Hot Dip Galvanizing, Add	22.56	
				For High Strength Low Alloy A572-50 Steel, Add	12.80	
				For High Strength Low Alloy A588 Steel, Add	28.45	
				For Each Additional Top Copes >2, Add	0.81	
				For Structural Tees, WT, MT Or ST, Deduct	-40.65	
				For Skewed Or Sloped Connections, Add	17.07	
05 12 23 00-0283	LF			W18 x 55 A992/A36 Structural Beam Or Girder.....	136.07	57.02
				For Hot Dip Galvanizing, Add	20.90	
				For High Strength Low Alloy A572-50 Steel, Add	12.25	
				For High Strength Low Alloy A588 Steel, Add	27.21	
				For Each Additional Top Copes >2, Add	0.75	
				For Structural Tees, WT, MT Or ST, Deduct	-38.51	
				For Skewed Or Sloped Connections, Add	16.33	
05 12 23 00-0284	LF			W18 x 50 A992/A36 Structural Beam Or Girder.....	122.31	49.56
				For Hot Dip Galvanizing, Add	19.24	
				For High Strength Low Alloy A572-50 Steel, Add	11.01	
				For High Strength Low Alloy A588 Steel, Add	24.46	
				For Each Additional Top Copes >2, Add	0.69	
				For Structural Tees, WT, MT Or ST, Deduct	-34.86	
				For Skewed Or Sloped Connections, Add	14.68	
05 12 23 00-0285	LF			W18 x 46 A992/A36 Structural Beam Or Girder.....	117.48	49.45
				For Hot Dip Galvanizing, Add	17.97	
				For High Strength Low Alloy A572-50 Steel, Add	10.57	
				For High Strength Low Alloy A588 Steel, Add	23.50	
				For Each Additional Top Copes >2, Add	0.65	
				For Structural Tees, WT, MT Or ST, Deduct	-33.21	
				For Skewed Or Sloped Connections, Add	14.10	
05 12 23 00-0286	LF			W18 x 40 A992/A36 Structural Beam Or Girder.....	102.58	42.19
				For Hot Dip Galvanizing, Add	15.97	
				For High Strength Low Alloy A572-50 Steel, Add	9.23	
				For High Strength Low Alloy A588 Steel, Add	20.52	
				For Each Additional Top Copes >2, Add	0.58	
				For Structural Tees, WT, MT Or ST, Deduct	-29.15	
				For Skewed Or Sloped Connections, Add	12.31	
05 12 23 00-0287	LF			W18 x 35 A992/A36 Structural Beam Or Girder.....	96.54	42.08
				For Hot Dip Galvanizing, Add	14.35	
				For High Strength Low Alloy A572-50 Steel, Add	8.69	
				For High Strength Low Alloy A588 Steel, Add	19.31	
				For Each Additional Top Copes >2, Add	0.52	
				For Structural Tees, WT, MT Or ST, Deduct	-27.06	
				For Skewed Or Sloped Connections, Add	11.58	
05 12 23 00-0288	LF			W16 x 100 A992/A36 Structural Beam Or Girder.....	169.39	38.35
				For Hot Dip Galvanizing, Add	35.66	
				For High Strength Low Alloy A572-50 Steel, Add	15.25	
				For High Strength Low Alloy A588 Steel, Add	33.88	
				For Each Additional Top Copes >2, Add	1.29	
				For Structural Tees, WT, MT Or ST, Deduct	-53.16	
				For Skewed Or Sloped Connections, Add	20.33	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0289	LF		W16 x 89 A992/A36 Structural Beam Or Girder.....	155.70	37.69
			For Hot Dip Galvanizing, Add	32.05	
			For High Strength Low Alloy A572-50 Steel, Add	14.01	
			For High Strength Low Alloy A588 Steel, Add	31.14	
			For Each Additional Top Copes >2, Add	1.15	
			For Structural Tees, WT, MT Or ST, Deduct	-48.46	
			For Skewed Or Sloped Connections, Add	18.68	
05 12 23 00-0290	LF		W16 x 77 A992/A36 Structural Beam Or Girder.....	141.04	37.25
			For Hot Dip Galvanizing, Add	28.13	
			For High Strength Low Alloy A572-50 Steel, Add	12.69	
			For High Strength Low Alloy A588 Steel, Add	28.21	
			For Each Additional Top Copes >2, Add	1.01	
			For Structural Tees, WT, MT Or ST, Deduct	-43.42	
			For Skewed Or Sloped Connections, Add	16.92	
05 12 23 00-0291	LF		W16 x 67 A992/A36 Structural Beam Or Girder.....	128.56	36.70
			For Hot Dip Galvanizing, Add	24.82	
			For High Strength Low Alloy A572-50 Steel, Add	11.57	
			For High Strength Low Alloy A588 Steel, Add	25.71	
			For Each Additional Top Copes >2, Add	0.89	
			For Structural Tees, WT, MT Or ST, Deduct	-39.13	
			For Skewed Or Sloped Connections, Add	15.43	
05 12 23 00-0292	LF		W16 x 57 A992/A36 Structural Beam Or Girder.....	116.20	36.15
			For Hot Dip Galvanizing, Add	21.54	
			For High Strength Low Alloy A572-50 Steel, Add	10.46	
			For High Strength Low Alloy A588 Steel, Add	23.24	
			For Each Additional Top Copes >2, Add	0.78	
			For Structural Tees, WT, MT Or ST, Deduct	-34.88	
			For Skewed Or Sloped Connections, Add	13.94	
05 12 23 00-0293	LF		W16 x 50 A992/A36 Structural Beam Or Girder.....	107.59	35.82
			For Hot Dip Galvanizing, Add	19.24	
			For High Strength Low Alloy A572-50 Steel, Add	9.68	
			For High Strength Low Alloy A588 Steel, Add	21.52	
			For Each Additional Top Copes >2, Add	0.69	
			For Structural Tees, WT, MT Or ST, Deduct	-31.92	
			For Skewed Or Sloped Connections, Add	12.91	
05 12 23 00-0294	LF		W16 x 45 A992/A36 Structural Beam Or Girder.....	101.53	35.60
			For Hot Dip Galvanizing, Add	17.62	
			For High Strength Low Alloy A572-50 Steel, Add	9.14	
			For High Strength Low Alloy A588 Steel, Add	20.31	
			For Each Additional Top Copes >2, Add	0.64	
			For Structural Tees, WT, MT Or ST, Deduct	-29.83	
			For Skewed Or Sloped Connections, Add	12.18	
05 12 23 00-0295	LF		W16 x 40 A992/A36 Structural Beam Or Girder.....	95.23	35.27
			For Hot Dip Galvanizing, Add	15.97	
			For High Strength Low Alloy A572-50 Steel, Add	8.57	
			For High Strength Low Alloy A588 Steel, Add	19.05	
			For Each Additional Top Copes >2, Add	0.58	
			For Structural Tees, WT, MT Or ST, Deduct	-27.68	
			For Skewed Or Sloped Connections, Add	11.43	
05 12 23 00-0296	LF		W16 x 36 A992/A36 Structural Beam Or Girder.....	90.29	35.04
			For Hot Dip Galvanizing, Add	14.69	
			For High Strength Low Alloy A572-50 Steel, Add	8.13	
			For High Strength Low Alloy A588 Steel, Add	18.06	
			For Each Additional Top Copes >2, Add	0.53	
			For Structural Tees, WT, MT Or ST, Deduct	-26.00	
			For Skewed Or Sloped Connections, Add	10.83	
05 12 23 00-0297	LF		W16 x 31 A992/A36 Structural Beam Or Girder.....	76.73	27.91
			For Hot Dip Galvanizing, Add	13.03	
			For High Strength Low Alloy A572-50 Steel, Add	6.91	
			For High Strength Low Alloy A588 Steel, Add	15.35	
			For Each Additional Top Copes >2, Add	0.47	
			For Structural Tees, WT, MT Or ST, Deduct	-22.39	
			For Skewed Or Sloped Connections, Add	9.21	
05 12 23 00-0298	LF		W16 x 26 A992/A36 Structural Beam Or Girder.....	68.81	27.58
			For Hot Dip Galvanizing, Add	10.93	
			For High Strength Low Alloy A572-50 Steel, Add	6.19	
			For High Strength Low Alloy A588 Steel, Add	13.76	
			For Each Additional Top Copes >2, Add	0.39	
			For Structural Tees, WT, MT Or ST, Deduct	-19.67	
			For Skewed Or Sloped Connections, Add	8.26	
05 12 23 00-0299	LF		W14 x 99 A992/A36 Structural Beam Or Girder.....	160.81	31.42
			For Hot Dip Galvanizing, Add	35.33	
			For High Strength Low Alloy A572-50 Steel, Add	14.47	
			For High Strength Low Alloy A588 Steel, Add	32.16	
			For Each Additional Top Copes >2, Add	1.27	
			For Structural Tees, WT, MT Or ST, Deduct	-51.26	
			For Skewed Or Sloped Connections, Add	19.30	
05 12 23 00-0300	LF		W14 x 90 A992/A36 Structural Beam Or Girder.....	149.67	30.87
			For Hot Dip Galvanizing, Add	32.39	
			For High Strength Low Alloy A572-50 Steel, Add	13.47	
			For High Strength Low Alloy A588 Steel, Add	29.93	
			For Each Additional Top Copes >2, Add	1.17	
			For Structural Tees, WT, MT Or ST, Deduct	-47.44	
			For Skewed Or Sloped Connections, Add	17.96	
05 12 23 00-0301	LF		W14 x 82 A992/A36 Structural Beam Or Girder.....	139.73	30.54
			For Hot Dip Galvanizing, Add	29.75	
			For High Strength Low Alloy A572-50 Steel, Add	12.58	
			For High Strength Low Alloy A588 Steel, Add	27.95	
			For Each Additional Top Copes >2, Add	1.07	
			For Structural Tees, WT, MT Or ST, Deduct	-44.03	
			For Skewed Or Sloped Connections, Add	16.77	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0302	LF			W14 x 74 A992/A36 Structural Beam Or Girder.....	129.80	30.10
				<i>For Hot Dip Galvanizing, Add</i>	27.11	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.68	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	25.96	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.98	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-40.62	
				<i>For Skewed Or Sloped Connections, Add</i>	15.58	
05 12 23 00-0303	LF			W14 x 68 A992/A36 Structural Beam Or Girder.....	122.41	29.77
				<i>For Hot Dip Galvanizing, Add</i>	25.16	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.02	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	24.48	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.91	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-38.08	
				<i>For Skewed Or Sloped Connections, Add</i>	14.69	
05 12 23 00-0304	LF			W14 x 61 A992/A36 Structural Beam Or Girder.....	113.80	29.44
				<i>For Hot Dip Galvanizing, Add</i>	22.86	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.24	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	22.76	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.82	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-35.12	
				<i>For Skewed Or Sloped Connections, Add</i>	13.66	
05 12 23 00-0305	LF			W14 x 53 A992/A36 Structural Beam Or Girder.....	103.99	29.01
				<i>For Hot Dip Galvanizing, Add</i>	20.26	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.36	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	20.80	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.73	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-31.75	
				<i>For Skewed Or Sloped Connections, Add</i>	12.48	
05 12 23 00-0306	LF			W14 x 48 A992/A36 Structural Beam Or Girder.....	97.69	28.68
				<i>For Hot Dip Galvanizing, Add</i>	18.60	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.79	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	19.54	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.67	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-29.59	
				<i>For Skewed Or Sloped Connections, Add</i>	11.72	
05 12 23 00-0307	LF			W14 x 43 A992/A36 Structural Beam Or Girder.....	91.50	28.57
				<i>For Hot Dip Galvanizing, Add</i>	16.95	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.24	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	18.30	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.61	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-27.46	
				<i>For Skewed Or Sloped Connections, Add</i>	10.98	
05 12 23 00-0308	LF			W14 x 38 A992/A36 Structural Beam Or Girder.....	85.34	28.35
				<i>For Hot Dip Galvanizing, Add</i>	15.33	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.68	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	17.07	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.55	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-25.35	
				<i>For Skewed Or Sloped Connections, Add</i>	10.24	
05 12 23 00-0309	LF			W14 x 34 A992/A36 Structural Beam Or Girder.....	80.37	28.02
				<i>For Hot Dip Galvanizing, Add</i>	14.01	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.23	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	16.07	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.50	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-23.65	
				<i>For Skewed Or Sloped Connections, Add</i>	9.64	
05 12 23 00-0310	LF			W14 x 30 A992/A36 Structural Beam Or Girder.....	75.40	27.91
				<i>For Hot Dip Galvanizing, Add</i>	12.69	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.79	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	15.08	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.46	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-21.94	
				<i>For Skewed Or Sloped Connections, Add</i>	9.05	
05 12 23 00-0311	LF			W14 x 26 A992/A36 Structural Beam Or Girder.....	70.43	27.58
				<i>For Hot Dip Galvanizing, Add</i>	11.37	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.34	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	14.09	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.41	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-20.23	
				<i>For Skewed Or Sloped Connections, Add</i>	8.45	
05 12 23 00-0312	LF			W14 x 22 A992/A36 Structural Beam Or Girder.....	65.59	27.47
				<i>For Hot Dip Galvanizing, Add</i>	10.09	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.90	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	13.12	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.36	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-18.57	
				<i>For Skewed Or Sloped Connections, Add</i>	7.87	
05 12 23 00-0313	LF			W12 x 87 A992/A36 Structural Beam Or Girder.....	146.04	30.76
				<i>For Hot Dip Galvanizing, Add</i>	31.41	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.14	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	29.21	
				<i>For Each Additional Top Copes &gt;2, Add</i>	1.13	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-46.19	
				<i>For Skewed Or Sloped Connections, Add</i>	17.52	
05 12 23 00-0314	LF			W12 x 79 A992/A36 Structural Beam Or Girder.....	136.10	30.32
				<i>For Hot Dip Galvanizing, Add</i>	28.77	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.25	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	27.22	
				<i>For Each Additional Top Copes &gt;2, Add</i>	1.04	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-42.77	
				<i>For Skewed Or Sloped Connections, Add</i>	16.33	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0315	LF		W12 x 72 A992/A36 Structural Beam Or Girder.....	127.38	29.99
			For Hot Dip Galvanizing, Add	26.48	
			For High Strength Low Alloy A572-50 Steel, Add	11.46	
			For High Strength Low Alloy A588 Steel, Add	25.48	
			For Each Additional Top Copes >2, Add	0.95	
			For Structural Tees, WT, MT Or ST, Deduct	-39.79	
			For Skewed Or Sloped Connections, Add	15.29	
05 12 23 00-0316	LF		W12 x 65 A992/A36 Structural Beam Or Girder.....	118.77	29.66
			For Hot Dip Galvanizing, Add	24.18	
			For High Strength Low Alloy A572-50 Steel, Add	10.69	
			For High Strength Low Alloy A588 Steel, Add	23.75	
			For Each Additional Top Copes >2, Add	0.87	
			For Structural Tees, WT, MT Or ST, Deduct	-36.82	
			For Skewed Or Sloped Connections, Add	14.25	
05 12 23 00-0317	LF		W12 x 58 A992/A36 Structural Beam Or Girder.....	110.05	29.22
			For Hot Dip Galvanizing, Add	21.88	
			For High Strength Low Alloy A572-50 Steel, Add	9.90	
			For High Strength Low Alloy A588 Steel, Add	22.01	
			For Each Additional Top Copes >2, Add	0.79	
			For Structural Tees, WT, MT Or ST, Deduct	-33.84	
			For Skewed Or Sloped Connections, Add	13.21	
05 12 23 00-0318	LF		W12 x 53 A992/A36 Structural Beam Or Girder.....	103.99	29.01
			For Hot Dip Galvanizing, Add	20.26	
			For High Strength Low Alloy A572-50 Steel, Add	9.36	
			For High Strength Low Alloy A588 Steel, Add	20.80	
			For Each Additional Top Copes >2, Add	0.73	
			For Structural Tees, WT, MT Or ST, Deduct	-31.75	
			For Skewed Or Sloped Connections, Add	12.48	
05 12 23 00-0319	LF		W12 x 50 A992/A36 Structural Beam Or Girder.....	100.11	28.90
			For Hot Dip Galvanizing, Add	19.24	
			For High Strength Low Alloy A572-50 Steel, Add	9.01	
			For High Strength Low Alloy A588 Steel, Add	20.02	
			For Each Additional Top Copes >2, Add	0.69	
			For Structural Tees, WT, MT Or ST, Deduct	-30.42	
			For Skewed Or Sloped Connections, Add	12.01	
05 12 23 00-0320	LF		W12 x 45 A992/A36 Structural Beam Or Girder.....	94.05	28.68
			For Hot Dip Galvanizing, Add	17.62	
			For High Strength Low Alloy A572-50 Steel, Add	8.46	
			For High Strength Low Alloy A588 Steel, Add	18.81	
			For Each Additional Top Copes >2, Add	0.64	
			For Structural Tees, WT, MT Or ST, Deduct	-28.34	
			For Skewed Or Sloped Connections, Add	11.29	
05 12 23 00-0321	LF		W12 x 40 A992/A36 Structural Beam Or Girder.....	80.29	21.32
			For Hot Dip Galvanizing, Add	15.97	
			For High Strength Low Alloy A572-50 Steel, Add	7.23	
			For High Strength Low Alloy A588 Steel, Add	16.06	
			For Each Additional Top Copes >2, Add	0.58	
			For Structural Tees, WT, MT Or ST, Deduct	-24.69	
			For Skewed Or Sloped Connections, Add	9.63	
05 12 23 00-0322	LF		W12 x 35 A992/A36 Structural Beam Or Girder.....	74.24	21.21
			For Hot Dip Galvanizing, Add	14.35	
			For High Strength Low Alloy A572-50 Steel, Add	6.68	
			For High Strength Low Alloy A588 Steel, Add	14.85	
			For Each Additional Top Copes >2, Add	0.52	
			For Structural Tees, WT, MT Or ST, Deduct	-22.60	
			For Skewed Or Sloped Connections, Add	8.91	
05 12 23 00-0323	LF		W12 x 30 A992/A36 Structural Beam Or Girder.....	67.94	20.87
			For Hot Dip Galvanizing, Add	12.69	
			For High Strength Low Alloy A572-50 Steel, Add	6.11	
			For High Strength Low Alloy A588 Steel, Add	13.59	
			For Each Additional Top Copes >2, Add	0.46	
			For Structural Tees, WT, MT Or ST, Deduct	-20.45	
			For Skewed Or Sloped Connections, Add	8.15	
05 12 23 00-0324	LF		W12 x 26 A992/A36 Structural Beam Or Girder.....	62.97	20.65
			For Hot Dip Galvanizing, Add	11.37	
			For High Strength Low Alloy A572-50 Steel, Add	5.67	
			For High Strength Low Alloy A588 Steel, Add	12.59	
			For Each Additional Top Copes >2, Add	0.41	
			For Structural Tees, WT, MT Or ST, Deduct	-18.74	
			For Skewed Or Sloped Connections, Add	7.56	
05 12 23 00-0325	LF		W12 x 22 A992/A36 Structural Beam Or Girder.....	58.13	20.43
			For Hot Dip Galvanizing, Add	10.09	
			For High Strength Low Alloy A572-50 Steel, Add	5.23	
			For High Strength Low Alloy A588 Steel, Add	11.63	
			For Each Additional Top Copes >2, Add	0.36	
			For Structural Tees, WT, MT Or ST, Deduct	-17.08	
			For Skewed Or Sloped Connections, Add	6.98	
05 12 23 00-0326	LF		W12 x 19 A992/A36 Structural Beam Or Girder.....	54.36	20.32
			For Hot Dip Galvanizing, Add	9.08	
			For High Strength Low Alloy A572-50 Steel, Add	4.89	
			For High Strength Low Alloy A588 Steel, Add	10.87	
			For Each Additional Top Copes >2, Add	0.33	
			For Structural Tees, WT, MT Or ST, Deduct	-15.78	
			For Skewed Or Sloped Connections, Add	6.52	
05 12 23 00-0327	LF		W12 x 16 A992/A36 Structural Beam Or Girder.....	50.61	19.99
			For Hot Dip Galvanizing, Add	8.10	
			For High Strength Low Alloy A572-50 Steel, Add	4.55	
			For High Strength Low Alloy A588 Steel, Add	10.12	
			For Each Additional Top Copes >2, Add	0.29	
			For Structural Tees, WT, MT Or ST, Deduct	-14.50	
			For Skewed Or Sloped Connections, Add	6.07	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0328	LF			W12 x 14 A992/A36 Structural Beam Or Girder.....	48.19	19.99
				<i>For Hot Dip Galvanizing, Add</i>	7.46	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.34	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	9.64	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.27	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-13.67	
				<i>For Skewed Or Sloped Connections, Add</i>	5.78	
05 12 23 00-0329	LF			W10 x 68 A992/A36 Structural Beam Or Girder.....	115.32	22.97
				<i>For Hot Dip Galvanizing, Add</i>	25.23	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.38	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	23.06	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.91	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-36.70	
				<i>For Skewed Or Sloped Connections, Add</i>	13.84	
05 12 23 00-0330	LF			W10 x 60 A992/A36 Structural Beam Or Girder.....	105.51	22.53
				<i>For Hot Dip Galvanizing, Add</i>	22.63	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.50	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	21.10	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.82	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-33.34	
				<i>For Skewed Or Sloped Connections, Add</i>	12.66	
05 12 23 00-0331	LF			W10 x 54 A992/A36 Structural Beam Or Girder.....	98.00	22.09
				<i>For Hot Dip Galvanizing, Add</i>	20.64	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.82	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	19.60	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.74	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-30.76	
				<i>For Skewed Or Sloped Connections, Add</i>	11.76	
05 12 23 00-0332	LF			W10 x 49 A992/A36 Structural Beam Or Girder.....	91.84	21.87
				<i>For Hot Dip Galvanizing, Add</i>	19.02	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.27	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	18.37	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.69	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-28.65	
				<i>For Skewed Or Sloped Connections, Add</i>	11.02	
05 12 23 00-0333	LF			W10 x 45 A992/A36 Structural Beam Or Girder.....	86.87	21.76
				<i>For Hot Dip Galvanizing, Add</i>	17.70	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.82	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	17.37	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.64	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-26.94	
				<i>For Skewed Or Sloped Connections, Add</i>	10.42	
05 12 23 00-0334	LF			W10 x 39 A992/A36 Structural Beam Or Girder.....	79.48	21.32
				<i>For Hot Dip Galvanizing, Add</i>	15.74	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.15	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	15.90	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.57	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-24.41	
				<i>For Skewed Or Sloped Connections, Add</i>	9.54	
05 12 23 00-0335	LF			W10 x 33 A992/A36 Structural Beam Or Girder.....	72.09	20.98
				<i>For Hot Dip Galvanizing, Add</i>	13.78	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.49	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	14.42	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.50	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-21.87	
				<i>For Skewed Or Sloped Connections, Add</i>	8.65	
05 12 23 00-0336	LF			W10 x 30 A992/A36 Structural Beam Or Girder.....	68.32	20.87
				<i>For Hot Dip Galvanizing, Add</i>	12.77	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.15	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	13.66	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.46	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-20.57	
				<i>For Skewed Or Sloped Connections, Add</i>	8.20	
05 12 23 00-0337	LF			W10 x 26 A992/A36 Structural Beam Or Girder.....	63.48	20.76
				<i>For Hot Dip Galvanizing, Add</i>	11.49	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.71	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	12.70	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.41	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-18.90	
				<i>For Skewed Or Sloped Connections, Add</i>	7.62	
05 12 23 00-0338	LF			W10 x 22 A992/A36 Structural Beam Or Girder.....	58.40	20.43
				<i>For Hot Dip Galvanizing, Add</i>	10.17	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.26	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	11.68	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.37	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-17.18	
				<i>For Skewed Or Sloped Connections, Add</i>	7.01	
05 12 23 00-0339	LF			W10 x 19 A992/A36 Structural Beam Or Girder.....	54.76	20.32
				<i>For Hot Dip Galvanizing, Add</i>	9.19	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.93	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	10.95	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.33	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-15.92	
				<i>For Skewed Or Sloped Connections, Add</i>	6.57	
05 12 23 00-0340	LF			W10 x 17 A992/A36 Structural Beam Or Girder.....	52.21	20.21
				<i>For Hot Dip Galvanizing, Add</i>	8.51	
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.70	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	10.44	
				<i>For Each Additional Top Copes &gt;2, Add</i>	0.31	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-15.04	
				<i>For Skewed Or Sloped Connections, Add</i>	6.27	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0341	LF	W10 x 15 A992/A36 Structural Beam Or Girder.....	49.79	19.99
		For Hot Dip Galvanizing, Add	7.87	
		For High Strength Low Alloy A572-50 Steel, Add	4.48	
		For High Strength Low Alloy A588 Steel, Add	9.96	
		For Each Additional Top Copes >2, Add	0.28	
		For Structural Tees, WT, MT Or ST, Deduct	-14.21	
		For Skewed Or Sloped Connections, Add	5.97	
05 12 23 00-0342	LF	W10 x 12 A992/A36 Structural Beam Or Girder.....	46.16	19.99
		For Hot Dip Galvanizing, Add	6.89	
		For High Strength Low Alloy A572-50 Steel, Add	4.15	
		For High Strength Low Alloy A588 Steel, Add	9.23	
		For Each Additional Top Copes >2, Add	0.25	
		For Structural Tees, WT, MT Or ST, Deduct	-12.96	
		For Skewed Or Sloped Connections, Add	5.54	
05 12 23 00-0343	LF	W8 x 35 A992/A36 Structural Beam Or Girder.....	74.51	21.21
		For Hot Dip Galvanizing, Add	14.42	
		For High Strength Low Alloy A572-50 Steel, Add	6.71	
		For High Strength Low Alloy A588 Steel, Add	14.90	
		For Each Additional Top Copes >2, Add	0.52	
		For Structural Tees, WT, MT Or ST, Deduct	-22.70	
		For Skewed Or Sloped Connections, Add	8.94	
05 12 23 00-0344	LF	W8 x 31 A992/A36 Structural Beam Or Girder.....	69.54	20.87
		For Hot Dip Galvanizing, Add	13.11	
		For High Strength Low Alloy A572-50 Steel, Add	6.26	
		For High Strength Low Alloy A588 Steel, Add	13.91	
		For Each Additional Top Copes >2, Add	0.47	
		For Structural Tees, WT, MT Or ST, Deduct	-20.99	
		For Skewed Or Sloped Connections, Add	8.34	
05 12 23 00-0345	LF	W8 x 28 A992/A36 Structural Beam Or Girder.....	64.68	19.66
		For Hot Dip Galvanizing, Add	12.13	
		For High Strength Low Alloy A572-50 Steel, Add	5.82	
		For High Strength Low Alloy A588 Steel, Add	12.94	
		For Each Additional Top Copes >2, Add	0.44	
		For Structural Tees, WT, MT Or ST, Deduct	-19.49	
		For Skewed Or Sloped Connections, Add	7.76	
05 12 23 00-0346	LF	W8 x 24 A992/A36 Structural Beam Or Girder.....	59.03	18.45
		For Hot Dip Galvanizing, Add	10.93	
		For High Strength Low Alloy A572-50 Steel, Add	5.31	
		For High Strength Low Alloy A588 Steel, Add	11.81	
		For Each Additional Top Copes >2, Add	0.39	
		For Structural Tees, WT, MT Or ST, Deduct	-17.71	
		For Skewed Or Sloped Connections, Add	7.08	
05 12 23 00-0347	LF	W8 x 21 A992/A36 Structural Beam Or Girder.....	54.95	17.14
		For Hot Dip Galvanizing, Add	10.16	
		For High Strength Low Alloy A572-50 Steel, Add	4.95	
		For High Strength Low Alloy A588 Steel, Add	10.99	
		For Each Additional Top Copes >2, Add	0.37	
		For Structural Tees, WT, MT Or ST, Deduct	-16.48	
		For Skewed Or Sloped Connections, Add	6.59	
05 12 23 00-0348	LF	W8 x 18 A992/A36 Structural Beam Or Girder.....	48.19	15.93
		For Hot Dip Galvanizing, Add	8.65	
		For High Strength Low Alloy A572-50 Steel, Add	4.34	
		For High Strength Low Alloy A588 Steel, Add	9.64	
		For Each Additional Top Copes >2, Add	0.31	
		For Structural Tees, WT, MT Or ST, Deduct	-14.31	
		For Skewed Or Sloped Connections, Add	5.78	
05 12 23 00-0349	LF	W8 x 10 A992/A36 Structural Beam Or Girder.....	28.73	11.43
		For Hot Dip Galvanizing, Add	4.62	
		For High Strength Low Alloy A572-50 Steel, Add	2.59	
		For High Strength Low Alloy A588 Steel, Add	5.75	
		For Each Additional Top Copes >2, Add	0.17	
		For Structural Tees, WT, MT Or ST, Deduct	-8.24	
		For Skewed Or Sloped Connections, Add	3.45	
05 12 23 00-0350	LF	W6 x 9 A992/A36 Structural Beam Or Girder.....	26.31	9.34
		For Hot Dip Galvanizing, Add	4.56	
		For High Strength Low Alloy A572-50 Steel, Add	2.37	
		For High Strength Low Alloy A588 Steel, Add	5.26	
		For Each Additional Top Copes >2, Add	0.16	
		For Structural Tees, WT, MT Or ST, Deduct	-7.73	
		For Skewed Or Sloped Connections, Add	3.16	

**05 12 23 00-0351 A992/A36 Structural Steel, M Shapes** (05 12 23 00-0133)

Note: Includes material delivery and erection.

05 12 23 00-0352	LF	M14 x 18 A992/A36 Structural Steel.....	53.38	14.62
		For Hot Dip Galvanizing, Add	10.49	
		For High Strength Low Alloy A572-50 Steel, Add	4.80	
		For High Strength Low Alloy A588 Grade B Steel, Add	10.68	
05 12 23 00-0353	LF	M12 x 11.8 A992/A36 Structural Steel.....	38.56	12.93
		For Hot Dip Galvanizing, Add	6.87	
		For High Strength Low Alloy A572-50 Steel, Add	3.47	
		For High Strength Low Alloy A588 Grade B Steel, Add	7.71	
05 12 23 00-0354	LF	M10 x 9 A992/A36 Structural Steel.....	29.95	10.39
		For Hot Dip Galvanizing, Add	5.24	
		For High Strength Low Alloy A572-50 Steel, Add	2.70	
		For High Strength Low Alloy A588 Grade B Steel, Add	5.99	
05 12 23 00-0355	LF	M8 x 6.5 A992/A36 Structural Steel.....	21.64	7.50
		For Hot Dip Galvanizing, Add	3.79	
		For High Strength Low Alloy A572-50 Steel, Add	1.95	
		For High Strength Low Alloy A588 Grade B Steel, Add	4.33	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0356	LF		M6 x 20 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	60.65 11.65 5.46 12.13	17.69
	05 12 23 00-0357	LF		M6 x 4.4 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	14.64 2.56 1.32 2.93	5.07
	05 12 23 00-0358	LF		M5 x 18.9 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	58.49 10.99 5.26 11.70	17.69
	05 12 23 00-0359	LF		M4 x 13 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	48.32 8.29 4.35 9.66	17.36
	<b>05 12 23 00-0360</b>			<b>A992/A36 Structural Steel, S Shapes</b> <small>(05 12 23 00-0133)</small> Note: Includes material delivery and erection.		
	05 12 23 00-0361	LF		S24 x 121 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	319.57 66.76 28.76 63.91	74.08
	05 12 23 00-0362	LF		S24 x 106 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	283.60 58.49 25.52 56.72	68.32
	05 12 23 00-0363	LF		S24 x 100 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	271.16 55.18 24.40 54.23	67.83
	05 12 23 00-0364	LF		S24 x 90 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	247.47 49.66 22.27 49.49	64.26
	05 12 23 00-0365	LF		S24 x 80 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	223.17 44.14 20.09 44.63	60.14
	05 12 23 00-0366	LF		S20 x 96 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	260.32 52.97 23.43 52.06	65.12
	05 12 23 00-0367	LF		S20 x 86 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	236.47 47.45 21.28 47.29	61.41
	05 12 23 00-0368	LF		S20 x 75 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	209.23 41.38 18.83 41.85	56.38
	05 12 23 00-0369	LF		S20 x 66 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	186.90 36.42 16.82 37.38	52.22
	05 12 23 00-0370	LF		S18 x 70 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	198.23 38.62 17.84 39.65	55.39
	05 12 23 00-0371	LF		S18 x 54.7 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	157.33 30.18 14.16 31.47	45.55
	05 12 23 00-0372	LF		S15 x 50 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	146.15 27.59 13.15 29.23	43.83
	05 12 23 00-0373	LF		S15 x 42.9 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	127.51 23.67 11.48 25.50	39.59
	05 12 23 00-0374	LF		S12 x 50 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	143.82 27.59 12.94 28.76	41.64
	05 12 23 00-0375	LF		S12 x 40.8 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	119.25 22.51 10.73 23.85	35.77
	05 12 23 00-0376	LF		S12 x 35 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	104.02 19.31 9.36 20.80	32.30
	05 12 23 00-0377	LF		S12 x 31.8 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	96.17 17.55 8.66 19.23	30.89

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0378	LF S10 x 35 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	105.84 19.31 9.53 21.17	34.01
05 12 23 00-0379	LF S10 x 25.4 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	78.19 14.01 7.04 15.64	25.97
05 12 23 00-0380	LF S8 x 23 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	70.81 12.69 6.37 14.16	23.52
05 12 23 00-0381	LF S8 x 18.4 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	57.71 10.15 5.19 11.54	19.81
05 12 23 00-0382	LF S7 x 20 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	62.72 11.04 5.64 12.54	21.53
05 12 23 00-0383	LF S7 x 15.3 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	48.91 8.44 4.40 9.78	17.34
05 12 23 00-0384	LF S6 x 17.25 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	54.08 9.52 4.87 10.82	18.55
05 12 23 00-0385	LF S6 x 12.5 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	46.48 7.81 4.18 9.30	17.14
05 12 23 00-0386	LF S5 x 14.75 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	49.40 8.56 4.45 9.88	17.47
05 12 23 00-0387	LF S5 x 10 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	42.18 6.64 3.80 8.44	17.03
05 12 23 00-0388	LF S4 x 9.5 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	41.06 6.33 3.70 8.21	17.03
05 12 23 00-0389	LF S4 x 7.7 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	38.49 5.65 3.46 7.70	17.03
05 12 23 00-0390	LF S3 x 7.5 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	38.24 5.58 3.44 7.65	17.03
05 12 23 00-0391	LF S3 x 5.7 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	35.17 4.76 3.17 7.03	16.92
05 12 23 00-0392	<b>A992/A36 Structural Steel, HP Shapes</b> (05 12 23 00-0133) Note: Includes material delivery and erection.		
05 12 23 00-0393	LF HP14 x 117 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	194.27 47.42 17.48 38.85	21.95
05 12 23 00-0394	LF HP14 x 102 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	170.12 41.17 15.31 34.02	20.42
05 12 23 00-0395	LF HP14 x 89 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	151.67 36.42 13.65 30.33	19.16
05 12 23 00-0396	LF HP14 x 73 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	125.81 29.57 11.32 25.16	18.05
05 12 23 00-0397	LF HP13 x 100 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	166.80 40.36 15.01 33.36	20.02
05 12 23 00-0398	LF HP13 x 87 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	148.27 35.60 13.34 29.65	18.73
05 12 23 00-0399	LF HP13 x 73 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	125.81 29.57 11.32 25.16	18.05

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0400	LF			HP13 x 60 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	106.82 24.52 9.61 21.36	17.31
05 12 23 00-0401	LF			HP12 x 84 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	140.10 33.04 12.61 28.02	19.75
05 12 23 00-0402	LF			HP12 x 74 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	123.91 28.88 11.15 24.78	18.63
05 12 23 00-0403	LF			HP12 x 63 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	106.79 24.57 9.61 21.36	17.13
05 12 23 00-0404	LF			HP12 x 53 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	97.97 22.37 8.82 19.59	16.29
05 12 23 00-0405	LF			HP10 x 57 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	103.17 23.68 9.29 20.63	16.71
05 12 23 00-0406	LF			HP10 x 42 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	85.23 19.02 7.67 17.05	15.66
05 12 23 00-0407	LF			HP8 x 36 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	74.23 16.23 6.68 14.85	14.77
05 12 23 00-0408				<b>Lightweight Framing Steel Shapes</b> <small>(05 12 23)</small> Note: Includes cutting to length. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.		
05 12 23 00-0409				<b>Angle Iron - L</b> <small>(05 12 23 00-0408)</small>		
05 12 23 00-0410				<b>1/8" Thick</b> <small>(05 12 23 00-0409)</small>		
05 12 23 00-0411	LF			1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	2.54 -0.15 -0.21 -0.33 -0.44 0.33 1.54 0.51	1.50
05 12 23 00-0412	LF			3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	2.96 -0.17 -0.24 -0.38 -0.51 0.43 1.97 0.59	1.69
05 12 23 00-0413	LF			3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	3.35 -0.19 -0.27 -0.42 -0.56 0.53 2.42 0.67	1.88
05 12 23 00-0414	LF			1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	3.75 -0.21 -0.30 -0.46 -0.63 0.61 2.79 0.75	2.09
05 12 23 00-0415	LF			1" x 1" x 1/8" Thick, Plain Steel Angle Iron ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	4.14 -0.23 -0.33 -0.51 -0.69 0.71 3.25 0.83	2.25
05 12 23 00-0416	LF			1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	4.98 -0.26 -0.39 -0.60 -0.81 0.90 4.13 1.00	2.65

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0417	LF		1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron.....	4.98	2.65
			<i>For &gt;100 To 250, Deduct</i>	-0.26	
			<i>For &gt;250 To 500, Deduct</i>	-0.39	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.60	
			<i>For &gt;1,000, Deduct</i>	-0.81	
			<i>For Galvanized Steel, Add</i>	0.90	
			<i>For 304 Stainless Steel, Add</i>	4.13	
			<i>For High Strength Steel (HSS), Add</i>	1.00	
05 12 23 00-0418	LF		1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron.....	5.97	3.17
			<i>For &gt;100 To 250, Deduct</i>	-0.32	
			<i>For &gt;250 To 500, Deduct</i>	-0.47	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.72	
			<i>For &gt;1,000, Deduct</i>	-0.98	
			<i>For Galvanized Steel, Add</i>	1.08	
			<i>For 304 Stainless Steel, Add</i>	4.96	
			<i>For High Strength Steel (HSS), Add</i>	1.19	
05 12 23 00-0419	LF		2" x 2" x 1/8" Thick, Plain Steel Angle Iron.....	8.11	4.31
			<i>For &gt;100 To 250, Deduct</i>	-0.43	
			<i>For &gt;250 To 500, Deduct</i>	-0.63	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.98	
			<i>For &gt;1,000, Deduct</i>	-1.33	
			<i>For Galvanized Steel, Add</i>	1.47	
			<i>For 304 Stainless Steel, Add</i>	6.75	
			<i>For High Strength Steel (HSS), Add</i>	1.62	
05 12 23 00-0420			<b>3/16" Thick</b> <small>(05 12 23 00-0409)</small>		
05 12 23 00-0421	LF		1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron.....	5.85	2.79
			<i>For &gt;100 To 250, Deduct</i>	-0.28	
			<i>For &gt;250 To 500, Deduct</i>	-0.43	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.67	
			<i>For &gt;1,000, Deduct</i>	-0.91	
			<i>For Galvanized Steel, Add</i>	1.31	
			<i>For 304 Stainless Steel, Add</i>	6.04	
			<i>For High Strength Steel (HSS), Add</i>	1.17	
05 12 23 00-0422	LF		1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron.....	5.85	2.79
			<i>For &gt;100 To 250, Deduct</i>	-0.28	
			<i>For &gt;250 To 500, Deduct</i>	-0.43	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.67	
			<i>For &gt;1,000, Deduct</i>	-0.91	
			<i>For Galvanized Steel, Add</i>	1.31	
			<i>For 304 Stainless Steel, Add</i>	6.04	
			<i>For High Strength Steel (HSS), Add</i>	1.17	
05 12 23 00-0423	LF		1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron.....	6.57	3.00
			<i>For &gt;100 To 250, Deduct</i>	-0.30	
			<i>For &gt;250 To 500, Deduct</i>	-0.46	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.73	
			<i>For &gt;1,000, Deduct</i>	-0.99	
			<i>For Galvanized Steel, Add</i>	1.60	
			<i>For 304 Stainless Steel, Add</i>	7.35	
			<i>For High Strength Steel (HSS), Add</i>	1.31	
05 12 23 00-0424	LF		2" x 2" x 3/16" Thick, Plain Steel Angle Iron.....	7.79	3.22
			<i>For &gt;100 To 250, Deduct</i>	-0.32	
			<i>For &gt;250 To 500, Deduct</i>	-0.52	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.82	
			<i>For &gt;1,000, Deduct</i>	-1.12	
			<i>For Galvanized Steel, Add</i>	2.17	
			<i>For 304 Stainless Steel, Add</i>	9.98	
			<i>For High Strength Steel (HSS), Add</i>	1.56	
05 12 23 00-0425	LF		2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron.....	8.54	3.44
			<i>For &gt;100 To 250, Deduct</i>	-0.34	
			<i>For &gt;250 To 500, Deduct</i>	-0.56	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.89	
			<i>For &gt;1,000, Deduct</i>	-1.21	
			<i>For Galvanized Steel, Add</i>	2.45	
			<i>For 304 Stainless Steel, Add</i>	11.26	
			<i>For High Strength Steel (HSS), Add</i>	1.71	
05 12 23 00-0426	LF		2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron.....	9.33	3.69
			<i>For &gt;100 To 250, Deduct</i>	-0.37	
			<i>For &gt;250 To 500, Deduct</i>	-0.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.96	
			<i>For &gt;1,000, Deduct</i>	-1.31	
			<i>For Galvanized Steel, Add</i>	2.74	
			<i>For 304 Stainless Steel, Add</i>	12.60	
			<i>For High Strength Steel (HSS), Add</i>	1.87	
05 12 23 00-0427	LF		3" x 2" x 3/16" Thick, Plain Steel Angle Iron.....	9.31	3.69
			<i>For &gt;100 To 250, Deduct</i>	-0.37	
			<i>For &gt;250 To 500, Deduct</i>	-0.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.96	
			<i>For &gt;1,000, Deduct</i>	-1.31	
			<i>For Galvanized Steel, Add</i>	2.73	
			<i>For 304 Stainless Steel, Add</i>	12.54	
			<i>For High Strength Steel (HSS), Add</i>	1.86	
05 12 23 00-0428	LF		3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron.....	10.29	4.07
			<i>For &gt;100 To 250, Deduct</i>	-0.41	
			<i>For &gt;250 To 500, Deduct</i>	-0.66	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.06	
			<i>For &gt;1,000, Deduct</i>	-1.45	
			<i>For Galvanized Steel, Add</i>	3.01	
			<i>For 304 Stainless Steel, Add</i>	13.85	
			<i>For High Strength Steel (HSS), Add</i>	2.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0429	LF		3" x 3" x 3/16" Thick, Plain Steel Angle Iron.....	11.26	4.46
			<i>For &gt;100 To 250, Deduct</i>	-0.45	
			<i>For &gt;250 To 500, Deduct</i>	-0.73	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.16	
			<i>For &gt;1,000, Deduct</i>	-1.59	
			<i>For Galvanized Steel, Add</i>	3.30	
			<i>For 304 Stainless Steel, Add</i>	15.16	
			<i>For High Strength Steel (HSS), Add</i>	2.25	
<b>05 12 23 00-0430</b>			<b>1/4" Thick</b> <small>(05 12 23 00-0409)</small>		
05 12 23 00-0431	LF		1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron.....	6.66	2.95
			<i>For &gt;100 To 250, Deduct</i>	-0.30	
			<i>For &gt;250 To 500, Deduct</i>	-0.46	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.73	
			<i>For &gt;1,000, Deduct</i>	-0.99	
			<i>For Galvanized Steel, Add</i>	1.69	
			<i>For 304 Stainless Steel, Add</i>	7.75	
			<i>For High Strength Steel (HSS), Add</i>	1.33	
05 12 23 00-0432	LF		1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	7.54	3.17
			<i>For &gt;100 To 250, Deduct</i>	-0.32	
			<i>For &gt;250 To 500, Deduct</i>	-0.51	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.80	
			<i>For &gt;1,000, Deduct</i>	-1.09	
			<i>For Galvanized Steel, Add</i>	2.06	
			<i>For 304 Stainless Steel, Add</i>	9.46	
			<i>For High Strength Steel (HSS), Add</i>	1.51	
05 12 23 00-0433	LF		2" x 2" x 1/4" Thick, Plain Steel Angle Iron.....	9.07	3.37
			<i>For &gt;100 To 250, Deduct</i>	-0.34	
			<i>For &gt;250 To 500, Deduct</i>	-0.56	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.90	
			<i>For &gt;1,000, Deduct</i>	-1.24	
			<i>For Galvanized Steel, Add</i>	2.83	
			<i>For 304 Stainless Steel, Add</i>	13.02	
			<i>For High Strength Steel (HSS), Add</i>	1.81	
05 12 23 00-0434	LF		2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron.....	10.17	3.74
			<i>For &gt;100 To 250, Deduct</i>	-0.37	
			<i>For &gt;250 To 500, Deduct</i>	-0.63	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.01	
			<i>For &gt;1,000, Deduct</i>	-1.39	
			<i>For Galvanized Steel, Add</i>	3.22	
			<i>For 304 Stainless Steel, Add</i>	14.79	
			<i>For High Strength Steel (HSS), Add</i>	2.03	
05 12 23 00-0435	LF		2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	11.34	4.09
			<i>For &gt;100 To 250, Deduct</i>	-0.41	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.11	
			<i>For &gt;1,000, Deduct</i>	-1.53	
			<i>For Galvanized Steel, Add</i>	3.64	
			<i>For 304 Stainless Steel, Add</i>	16.73	
			<i>For High Strength Steel (HSS), Add</i>	2.27	
05 12 23 00-0436	LF		3" x 2" x 1/4" Thick, Plain Steel Angle Iron.....	11.34	4.09
			<i>For &gt;100 To 250, Deduct</i>	-0.41	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.11	
			<i>For &gt;1,000, Deduct</i>	-1.53	
			<i>For Galvanized Steel, Add</i>	3.64	
			<i>For 304 Stainless Steel, Add</i>	16.73	
			<i>For High Strength Steel (HSS), Add</i>	2.27	
05 12 23 00-0437	LF		3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron.....	12.52	4.55
			<i>For &gt;100 To 250, Deduct</i>	-0.45	
			<i>For &gt;250 To 500, Deduct</i>	-0.77	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.23	
			<i>For &gt;1,000, Deduct</i>	-1.70	
			<i>For Galvanized Steel, Add</i>	4.01	
			<i>For 304 Stainless Steel, Add</i>	18.41	
			<i>For High Strength Steel (HSS), Add</i>	2.50	
05 12 23 00-0438	LF		3" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	13.68	4.99
			<i>For &gt;100 To 250, Deduct</i>	-0.50	
			<i>For &gt;250 To 500, Deduct</i>	-0.84	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.35	
			<i>For &gt;1,000, Deduct</i>	-1.86	
			<i>For Galvanized Steel, Add</i>	4.35	
			<i>For 304 Stainless Steel, Add</i>	19.98	
			<i>For High Strength Steel (HSS), Add</i>	2.74	
05 12 23 00-0439	LF		3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	14.89	5.38
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-0.91	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.46	
			<i>For &gt;1,000, Deduct</i>	-2.01	
			<i>For Galvanized Steel, Add</i>	4.79	
			<i>For 304 Stainless Steel, Add</i>	22.03	
			<i>For High Strength Steel (HSS), Add</i>	2.98	
05 12 23 00-0440	LF		3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	15.80	0.56
			<i>For &gt;100 To 250, Deduct</i>	-0.56	
			<i>For &gt;250 To 500, Deduct</i>	-0.96	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.54	
			<i>For &gt;1,000, Deduct</i>	-2.12	
			<i>For Galvanized Steel, Add</i>	5.16	
			<i>For 304 Stainless Steel, Add</i>	23.71	
			<i>For High Strength Steel (HSS), Add</i>	3.16	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0441	LF 4" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	15.80	5.61
	For >100 To 250, Deduct	-0.56	
	For >250 To 500, Deduct	-0.96	
	For >500 To 1,000, Deduct	-1.54	
	For >1,000, Deduct	-2.12	
	For Galvanized Steel, Add	5.16	
	For 304 Stainless Steel, Add	23.71	
	For High Strength Steel (HSS), Add	3.16	
05 12 23 00-0442	LF 4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron.....	16.67	5.85
	For >100 To 250, Deduct	-0.59	
	For >250 To 500, Deduct	-1.00	
	For >500 To 1,000, Deduct	-1.61	
	For >1,000, Deduct	-2.23	
	For Galvanized Steel, Add	5.50	
	For 304 Stainless Steel, Add	25.28	
	For High Strength Steel (HSS), Add	3.33	
05 12 23 00-0443	LF 4" x 4" x 1/4" Thick, Plain Steel Angle Iron.....	17.60	6.09
	For >100 To 250, Deduct	-0.61	
	For >250 To 500, Deduct	-1.05	
	For >500 To 1,000, Deduct	-1.69	
	For >1,000, Deduct	-2.34	
	For Galvanized Steel, Add	5.87	
	For 304 Stainless Steel, Add	26.99	
	For High Strength Steel (HSS), Add	3.52	
05 12 23 00-0444	LF 5" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	17.60	6.09
	For >100 To 250, Deduct	-0.61	
	For >250 To 500, Deduct	-1.05	
	For >500 To 1,000, Deduct	-1.69	
	For >1,000, Deduct	-2.34	
	For Galvanized Steel, Add	5.87	
	For 304 Stainless Steel, Add	26.99	
	For High Strength Steel (HSS), Add	3.52	
05 12 23 00-0445	LF 5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron.....	18.58	6.42
	For >100 To 250, Deduct	-0.64	
	For >250 To 500, Deduct	-1.11	
	For >500 To 1,000, Deduct	-1.79	
	For >1,000, Deduct	-2.46	
	For Galvanized Steel, Add	6.21	
	For 304 Stainless Steel, Add	28.56	
	For High Strength Steel (HSS), Add	3.72	
05 12 23 00-0446	5/16" Thick <small>(05 12 23 00-0409)</small>		
05 12 23 00-0447	LF 2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron.....	12.25	4.34
	For >100 To 250, Deduct	-0.43	
	For >250 To 500, Deduct	-0.74	
	For >500 To 1,000, Deduct	-1.19	
	For >1,000, Deduct	-1.64	
	For Galvanized Steel, Add	4.01	
	For 304 Stainless Steel, Add	18.41	
	For High Strength Steel (HSS), Add	2.45	
05 12 23 00-0448	LF 2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron.....	13.31	4.60
	For >100 To 250, Deduct	-0.46	
	For >250 To 500, Deduct	-0.79	
	For >500 To 1,000, Deduct	-1.28	
	For >1,000, Deduct	-1.77	
	For Galvanized Steel, Add	4.45	
	For 304 Stainless Steel, Add	20.43	
	For High Strength Steel (HSS), Add	2.66	
05 12 23 00-0449	LF 3" x 2" x 5/16" Thick, Plain Steel Angle Iron.....	13.31	4.60
	For >100 To 250, Deduct	-0.46	
	For >250 To 500, Deduct	-0.79	
	For >500 To 1,000, Deduct	-1.28	
	For >1,000, Deduct	-1.77	
	For Galvanized Steel, Add	4.45	
	For 304 Stainless Steel, Add	20.43	
	For High Strength Steel (HSS), Add	2.66	
05 12 23 00-0450	LF 3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron.....	14.76	5.05
	For >100 To 250, Deduct	-0.50	
	For >250 To 500, Deduct	-0.87	
	For >500 To 1,000, Deduct	-1.41	
	For >1,000, Deduct	-1.95	
	For Galvanized Steel, Add	4.98	
	For 304 Stainless Steel, Add	22.89	
	For High Strength Steel (HSS), Add	2.95	
05 12 23 00-0451	LF 3" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	16.06	5.49
	For >100 To 250, Deduct	-0.55	
	For >250 To 500, Deduct	-0.95	
	For >500 To 1,000, Deduct	-1.53	
	For >1,000, Deduct	-2.12	
	For Galvanized Steel, Add	5.43	
	For 304 Stainless Steel, Add	24.94	
	For High Strength Steel (HSS), Add	3.21	
05 12 23 00-0452	LF 3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	17.15	5.77
	For >100 To 250, Deduct	-0.58	
	For >250 To 500, Deduct	-1.00	
	For >500 To 1,000, Deduct	-1.63	
	For >1,000, Deduct	-2.25	
	For Galvanized Steel, Add	5.87	
	For 304 Stainless Steel, Add	26.99	
	For High Strength Steel (HSS), Add	3.43	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0453	LF	3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	18.37	6.05
		<i>For &gt;100 To 250, Deduct</i>	-0.61	
		<i>For &gt;250 To 500, Deduct</i>	-1.06	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.73	
		<i>For &gt;1,000, Deduct</i>	-2.39	
		<i>For Galvanized Steel, Add</i>	6.39	
		<i>For 304 Stainless Steel, Add</i>	29.36	
		<i>For High Strength Steel (HSS), Add</i>	3.67	
05 12 23 00-0454	LF	4" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	18.37	6.05
		<i>For &gt;100 To 250, Deduct</i>	-0.61	
		<i>For &gt;250 To 500, Deduct</i>	-1.06	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.73	
		<i>For &gt;1,000, Deduct</i>	-2.39	
		<i>For Galvanized Steel, Add</i>	6.39	
		<i>For 304 Stainless Steel, Add</i>	29.36	
		<i>For High Strength Steel (HSS), Add</i>	3.67	
05 12 23 00-0455	LF	4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron.....	19.55	6.39
		<i>For &gt;100 To 250, Deduct</i>	-0.64	
		<i>For &gt;250 To 500, Deduct</i>	-1.13	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.83	
		<i>For &gt;1,000, Deduct</i>	-2.53	
		<i>For Galvanized Steel, Add</i>	6.83	
		<i>For 304 Stainless Steel, Add</i>	31.41	
		<i>For High Strength Steel (HSS), Add</i>	3.91	
05 12 23 00-0456	LF	4" x 4" x 5/16" Thick, Plain Steel Angle Iron.....	20.67	6.68
		<i>For &gt;100 To 250, Deduct</i>	-0.67	
		<i>For &gt;250 To 500, Deduct</i>	-1.19	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.92	
		<i>For &gt;1,000, Deduct</i>	-2.66	
		<i>For Galvanized Steel, Add</i>	7.29	
		<i>For 304 Stainless Steel, Add</i>	33.52	
		<i>For High Strength Steel (HSS), Add</i>	4.13	
05 12 23 00-0457	LF	5" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	20.67	6.68
		<i>For &gt;100 To 250, Deduct</i>	-0.67	
		<i>For &gt;250 To 500, Deduct</i>	-1.19	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.92	
		<i>For &gt;1,000, Deduct</i>	-2.66	
		<i>For Galvanized Steel, Add</i>	7.29	
		<i>For 304 Stainless Steel, Add</i>	33.52	
		<i>For High Strength Steel (HSS), Add</i>	4.13	
05 12 23 00-0458	LF	5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron.....	21.73	6.96
		<i>For &gt;100 To 250, Deduct</i>	-0.70	
		<i>For &gt;250 To 500, Deduct</i>	-1.24	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.01	
		<i>For &gt;1,000, Deduct</i>	-2.79	
		<i>For Galvanized Steel, Add</i>	7.72	
		<i>For 304 Stainless Steel, Add</i>	35.48	
		<i>For High Strength Steel (HSS), Add</i>	4.35	
05 12 23 00-0459	LF	5" x 5" x 5/16" Thick, Plain Steel Angle Iron.....	24.45	7.25
		<i>For &gt;100 To 250, Deduct</i>	-0.73	
		<i>For &gt;250 To 500, Deduct</i>	-1.34	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.19	
		<i>For &gt;1,000, Deduct</i>	-3.04	
		<i>For Galvanized Steel, Add</i>	9.16	
		<i>For 304 Stainless Steel, Add</i>	42.12	
		<i>For High Strength Steel (HSS), Add</i>	4.89	
05 12 23 00-0460	LF	6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron.....	24.10	7.55
		<i>For &gt;100 To 250, Deduct</i>	-0.76	
		<i>For &gt;250 To 500, Deduct</i>	-1.36	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.21	
		<i>For &gt;1,000, Deduct</i>	-3.07	
		<i>For Galvanized Steel, Add</i>	8.69	
		<i>For 304 Stainless Steel, Add</i>	39.96	
		<i>For High Strength Steel (HSS), Add</i>	4.82	
<b>05 12 23 00-0461</b>		<b>3/8" Thick</b> <small>(05 12 23 00-0409)</small>		
05 12 23 00-0462	LF	3" x 2" x 3/8" Thick, Plain Steel Angle Iron.....	14.86	4.82
		<i>For &gt;100 To 250, Deduct</i>	-0.48	
		<i>For &gt;250 To 500, Deduct</i>	-0.85	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.39	
		<i>For &gt;1,000, Deduct</i>	-1.92	
		<i>For Galvanized Steel, Add</i>	5.23	
		<i>For 304 Stainless Steel, Add</i>	24.05	
		<i>For High Strength Steel (HSS), Add</i>	2.97	
05 12 23 00-0463	LF	3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron.....	16.43	5.22
		<i>For &gt;100 To 250, Deduct</i>	-0.52	
		<i>For &gt;250 To 500, Deduct</i>	-0.93	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.52	
		<i>For &gt;1,000, Deduct</i>	-2.10	
		<i>For Galvanized Steel, Add</i>	5.87	
		<i>For 304 Stainless Steel, Add</i>	26.99	
		<i>For High Strength Steel (HSS), Add</i>	3.29	
05 12 23 00-0464	LF	3" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	17.79	5.62
		<i>For &gt;100 To 250, Deduct</i>	-0.56	
		<i>For &gt;250 To 500, Deduct</i>	-1.01	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.64	
		<i>For &gt;1,000, Deduct</i>	-2.27	
		<i>For Galvanized Steel, Add</i>	6.39	
		<i>For 304 Stainless Steel, Add</i>	29.36	
		<i>For High Strength Steel (HSS), Add</i>	3.56	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0465	LF 3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	19.03	5.78
	For >100 To 250, Deduct	-0.58	
	For >250 To 500, Deduct	-1.05	
	For >500 To 1,000, Deduct	-1.72	
	For >1,000, Deduct	-2.39	
	For Galvanized Steel, Add	7.02	
	For 304 Stainless Steel, Add	32.29	
	For High Strength Steel (HSS), Add	3.81	
05 12 23 00-0466	LF 3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron.....	20.28	6.09
	For >100 To 250, Deduct	-0.61	
	For >250 To 500, Deduct	-1.12	
	For >500 To 1,000, Deduct	-1.83	
	For >1,000, Deduct	-2.54	
	For Galvanized Steel, Add	7.54	
	For 304 Stainless Steel, Add	34.66	
	For High Strength Steel (HSS), Add	4.06	
05 12 23 00-0467	LF 4" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	20.28	6.09
	For >100 To 250, Deduct	-0.61	
	For >250 To 500, Deduct	-1.12	
	For >500 To 1,000, Deduct	-1.83	
	For >1,000, Deduct	-2.54	
	For Galvanized Steel, Add	7.54	
	For 304 Stainless Steel, Add	34.66	
	For High Strength Steel (HSS), Add	4.06	
05 12 23 00-0468	LF 4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron.....	21.87	6.64
	For >100 To 250, Deduct	-0.66	
	For >250 To 500, Deduct	-1.21	
	For >500 To 1,000, Deduct	-1.98	
	For >1,000, Deduct	-2.75	
	For Galvanized Steel, Add	8.07	
	For 304 Stainless Steel, Add	37.11	
	For High Strength Steel (HSS), Add	4.37	
05 12 23 00-0469	LF 4" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	23.13	6.83
	For >100 To 250, Deduct	-0.68	
	For >250 To 500, Deduct	-1.26	
	For >500 To 1,000, Deduct	-2.07	
	For >1,000, Deduct	-2.87	
	For Galvanized Steel, Add	8.69	
	For 304 Stainless Steel, Add	39.96	
	For High Strength Steel (HSS), Add	4.63	
05 12 23 00-0470	LF 5" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	23.49	7.10
	For >100 To 250, Deduct	-0.71	
	For >250 To 500, Deduct	-1.30	
	For >500 To 1,000, Deduct	-2.12	
	For >1,000, Deduct	-2.95	
	For Galvanized Steel, Add	8.69	
	For 304 Stainless Steel, Add	39.96	
	For High Strength Steel (HSS), Add	4.70	
05 12 23 00-0471	LF 5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron.....	25.09	7.65
	For >100 To 250, Deduct	-0.77	
	For >250 To 500, Deduct	-1.39	
	For >500 To 1,000, Deduct	-2.28	
	For >1,000, Deduct	-3.16	
	For Galvanized Steel, Add	9.23	
	For 304 Stainless Steel, Add	42.41	
	For High Strength Steel (HSS), Add	5.02	
05 12 23 00-0472	LF 5" x 5" x 3/8" Thick, Plain Steel Angle Iron.....	29.54	8.92
	For >100 To 250, Deduct	-0.89	
	For >250 To 500, Deduct	-1.63	
	For >500 To 1,000, Deduct	-2.67	
	For >1,000, Deduct	-3.70	
	For Galvanized Steel, Add	10.94	
	For 304 Stainless Steel, Add	50.30	
	For High Strength Steel (HSS), Add	5.91	
05 12 23 00-0473	LF 6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron.....	27.79	8.29
	For >100 To 250, Deduct	-0.83	
	For >250 To 500, Deduct	-1.52	
	For >500 To 1,000, Deduct	-2.49	
	For >1,000, Deduct	-3.47	
	For Galvanized Steel, Add	10.38	
	For 304 Stainless Steel, Add	47.71	
	For High Strength Steel (HSS), Add	5.56	
05 12 23 00-0474	LF 6" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	29.54	8.92
	For >100 To 250, Deduct	-0.89	
	For >250 To 500, Deduct	-1.63	
	For >500 To 1,000, Deduct	-2.67	
	For >1,000, Deduct	-3.70	
	For Galvanized Steel, Add	10.94	
	For 304 Stainless Steel, Add	50.30	
	For High Strength Steel (HSS), Add	5.91	
05 12 23 00-0475	LF 6" x 6" x 3/8" Thick, Plain Steel Angle Iron.....	35.65	10.71
	For >100 To 250, Deduct	-1.07	
	For >250 To 500, Deduct	-1.96	
	For >500 To 1,000, Deduct	-3.21	
	For >1,000, Deduct	-4.46	
	For Galvanized Steel, Add	13.26	
	For 304 Stainless Steel, Add	60.93	
	For High Strength Steel (HSS), Add	7.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0476	LF		7" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	32.60	9.81
			<i>For &gt;100 To 250, Deduct</i>	-0.98	
			<i>For &gt;250 To 500, Deduct</i>	-1.80	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.94	
			<i>For &gt;1,000, Deduct</i>	-4.08	
			<i>For Galvanized Steel, Add</i>	12.10	
			<i>For 304 Stainless Steel, Add</i>	55.60	
			<i>For High Strength Steel (HSS), Add</i>	6.52	
<b>05 12 23 00-0477</b>			<b>1/2" Thick</b> <small>(05 12 23 00-0409)</small>		
05 12 23 00-0478	LF		3" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	21.14	5.74
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.10	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.82	
			<i>For &gt;1,000, Deduct</i>	-2.54	
			<i>For Galvanized Steel, Add</i>	8.36	
			<i>For 304 Stainless Steel, Add</i>	38.45	
			<i>For High Strength Steel (HSS), Add</i>	4.23	
05 12 23 00-0479	LF		4" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	24.97	6.79
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-1.30	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.15	
			<i>For &gt;1,000, Deduct</i>	-3.00	
			<i>For Galvanized Steel, Add</i>	9.87	
			<i>For 304 Stainless Steel, Add</i>	45.37	
			<i>For High Strength Steel (HSS), Add</i>	4.99	
05 12 23 00-0480	LF		4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron.....	26.76	7.27
			<i>For &gt;100 To 250, Deduct</i>	-0.73	
			<i>For &gt;250 To 500, Deduct</i>	-1.40	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.31	
			<i>For &gt;1,000, Deduct</i>	-3.22	
			<i>For Galvanized Steel, Add</i>	10.58	
			<i>For 304 Stainless Steel, Add</i>	48.65	
			<i>For High Strength Steel (HSS), Add</i>	5.35	
05 12 23 00-0481	LF		4" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	28.79	7.83
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-1.50	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.48	
			<i>For &gt;1,000, Deduct</i>	-3.46	
			<i>For Galvanized Steel, Add</i>	11.38	
			<i>For 304 Stainless Steel, Add</i>	52.33	
			<i>For High Strength Steel (HSS), Add</i>	5.76	
05 12 23 00-0482	LF		5" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	28.79	7.83
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-1.50	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.48	
			<i>For &gt;1,000, Deduct</i>	-3.46	
			<i>For Galvanized Steel, Add</i>	11.38	
			<i>For 304 Stainless Steel, Add</i>	52.33	
			<i>For High Strength Steel (HSS), Add</i>	5.76	
05 12 23 00-0483	LF		5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron.....	30.58	8.31
			<i>For &gt;100 To 250, Deduct</i>	-0.83	
			<i>For &gt;250 To 500, Deduct</i>	-1.59	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.64	
			<i>For &gt;1,000, Deduct</i>	-3.68	
			<i>For Galvanized Steel, Add</i>	12.10	
			<i>For 304 Stainless Steel, Add</i>	55.60	
			<i>For High Strength Steel (HSS), Add</i>	6.12	
05 12 23 00-0484	LF		5" x 5" x 1/2" Thick, Plain Steel Angle Iron.....	36.44	9.89
			<i>For &gt;100 To 250, Deduct</i>	-0.99	
			<i>For &gt;250 To 500, Deduct</i>	-1.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.14	
			<i>For &gt;1,000, Deduct</i>	-4.38	
			<i>For Galvanized Steel, Add</i>	14.41	
			<i>For 304 Stainless Steel, Add</i>	66.23	
			<i>For High Strength Steel (HSS), Add</i>	7.29	
05 12 23 00-0485	LF		6" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	36.44	9.89
			<i>For &gt;100 To 250, Deduct</i>	-0.99	
			<i>For &gt;250 To 500, Deduct</i>	-1.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.14	
			<i>For &gt;1,000, Deduct</i>	-4.38	
			<i>For Galvanized Steel, Add</i>	14.41	
			<i>For 304 Stainless Steel, Add</i>	66.23	
			<i>For High Strength Steel (HSS), Add</i>	7.29	
05 12 23 00-0486	LF		6" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	44.07	11.97
			<i>For &gt;100 To 250, Deduct</i>	-1.20	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.80	
			<i>For &gt;1,000, Deduct</i>	-5.30	
			<i>For Galvanized Steel, Add</i>	17.43	
			<i>For 304 Stainless Steel, Add</i>	80.11	
			<i>For High Strength Steel (HSS), Add</i>	8.81	
05 12 23 00-0487	LF		7" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	40.25	10.93
			<i>For &gt;100 To 250, Deduct</i>	-1.09	
			<i>For &gt;250 To 500, Deduct</i>	-2.10	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.47	
			<i>For &gt;1,000, Deduct</i>	-4.84	
			<i>For Galvanized Steel, Add</i>	15.92	
			<i>For 304 Stainless Steel, Add</i>	73.16	
			<i>For High Strength Steel (HSS), Add</i>	8.05	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0488	LF 8" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	44.07	11.97
	For >100 To 250, Deduct	-1.20	
	For >250 To 500, Deduct	-2.30	
	For >500 To 1,000, Deduct	-3.80	
	For >1,000, Deduct	-5.30	
	For Galvanized Steel, Add	17.43	
	For 304 Stainless Steel, Add	80.11	
	For High Strength Steel (HSS), Add	8.81	
05 12 23 00-0489	LF 8" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	51.74	14.06
	For >100 To 250, Deduct	-1.41	
	For >250 To 500, Deduct	-2.70	
	For >500 To 1,000, Deduct	-4.46	
	For >1,000, Deduct	-6.22	
	For Galvanized Steel, Add	20.46	
	For 304 Stainless Steel, Add	94.05	
	For High Strength Steel (HSS), Add	10.35	
05 12 23 00-0490	LF 8" x 8" x 1/2" Thick, Plain Steel Angle Iron.....	59.38	16.13
	For >100 To 250, Deduct	-1.61	
	For >250 To 500, Deduct	-3.10	
	For >500 To 1,000, Deduct	-5.12	
	For >1,000, Deduct	-7.14	
	For Galvanized Steel, Add	23.48	
	For 304 Stainless Steel, Add	107.93	
	For High Strength Steel (HSS), Add	11.88	
05 12 23 00-0491	5/8" Thick (05 12 23 00-0409)		
05 12 23 00-0492	LF 4" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	34.47	8.97
	For >100 To 250, Deduct	-0.90	
	For >250 To 500, Deduct	-1.76	
	For >500 To 1,000, Deduct	-2.92	
	For >1,000, Deduct	-4.08	
	For Galvanized Steel, Add	13.96	
	For High Strength Steel (HSS), Add	6.89	
05 12 23 00-0493	LF 5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron.....	36.90	9.59
	For >100 To 250, Deduct	-0.96	
	For >250 To 500, Deduct	-1.88	
	For >500 To 1,000, Deduct	-3.12	
	For >1,000, Deduct	-4.37	
	For Galvanized Steel, Add	14.95	
	For High Strength Steel (HSS), Add	7.38	
05 12 23 00-0494	LF 5" x 5" x 5/8" Thick, Plain Steel Angle Iron.....	43.92	11.42
	For >100 To 250, Deduct	-1.14	
	For >250 To 500, Deduct	-2.24	
	For >500 To 1,000, Deduct	-3.72	
	For >1,000, Deduct	-5.20	
	For Galvanized Steel, Add	17.79	
	For High Strength Steel (HSS), Add	8.78	
05 12 23 00-0495	LF 6" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	43.92	11.42
	For >100 To 250, Deduct	-1.14	
	For >250 To 500, Deduct	-2.24	
	For >500 To 1,000, Deduct	-3.72	
	For >1,000, Deduct	-5.20	
	For Galvanized Steel, Add	17.79	
	For High Strength Steel (HSS), Add	8.78	
05 12 23 00-0496	LF 6" x 6" x 5/8" Thick, Plain Steel Angle Iron.....	53.15	13.82
	For >100 To 250, Deduct	-1.38	
	For >250 To 500, Deduct	-2.71	
	For >500 To 1,000, Deduct	-4.50	
	For >1,000, Deduct	-6.29	
	For Galvanized Steel, Add	21.53	
	For High Strength Steel (HSS), Add	10.63	
05 12 23 00-0497	LF 7" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	48.52	12.62
	For >100 To 250, Deduct	-1.26	
	For >250 To 500, Deduct	-2.47	
	For >500 To 1,000, Deduct	-4.11	
	For >1,000, Deduct	-5.74	
	For Galvanized Steel, Add	19.65	
	For High Strength Steel (HSS), Add	9.70	
05 12 23 00-0498	LF 8" x 6" x 5/8" Thick, Plain Steel Angle Iron.....	62.58	16.28
	For >100 To 250, Deduct	-1.63	
	For >250 To 500, Deduct	-3.19	
	For >500 To 1,000, Deduct	-5.30	
	For >1,000, Deduct	-7.41	
	For Galvanized Steel, Add	25.35	
	For High Strength Steel (HSS), Add	12.52	
05 12 23 00-0499	LF 8" x 8" x 5/8" Thick, Plain Steel Angle Iron.....	71.82	18.67
	For >100 To 250, Deduct	-1.87	
	For >250 To 500, Deduct	-3.66	
	For >500 To 1,000, Deduct	-6.08	
	For >1,000, Deduct	-8.50	
	For Galvanized Steel, Add	29.09	
	For High Strength Steel (HSS), Add	14.36	
05 12 23 00-0500	3/4" Thick (05 12 23 00-0409)		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0501	LF			4" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	39.76	9.90
				<i>For &gt;100 To 250, Deduct</i>	-0.99	
				<i>For &gt;250 To 500, Deduct</i>	-1.98	
				<i>For &gt;500 To 1,000, Deduct</i>	-3.31	
				<i>For &gt;1,000, Deduct</i>	-4.63	
				<i>For Galvanized Steel, Add</i>	16.46	
				<i>For High Strength Steel (HSS), Add</i>	7.95	
05 12 23 00-0502	LF			5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron.....	42.53	10.60
				<i>For &gt;100 To 250, Deduct</i>	-1.06	
				<i>For &gt;250 To 500, Deduct</i>	-2.12	
				<i>For &gt;500 To 1,000, Deduct</i>	-3.54	
				<i>For &gt;1,000, Deduct</i>	-4.96	
				<i>For Galvanized Steel, Add</i>	17.61	
				<i>For High Strength Steel (HSS), Add</i>	8.51	
05 12 23 00-0503	LF			5" x 5" x 3/4" Thick, Plain Steel Angle Iron.....	50.70	12.64
				<i>For &gt;100 To 250, Deduct</i>	-1.26	
				<i>For &gt;250 To 500, Deduct</i>	-2.53	
				<i>For &gt;500 To 1,000, Deduct</i>	-4.22	
				<i>For &gt;1,000, Deduct</i>	-5.91	
				<i>For Galvanized Steel, Add</i>	20.99	
				<i>For High Strength Steel (HSS), Add</i>	10.14	
05 12 23 00-0504	LF			6" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	50.70	12.64
				<i>For &gt;100 To 250, Deduct</i>	-1.26	
				<i>For &gt;250 To 500, Deduct</i>	-2.53	
				<i>For &gt;500 To 1,000, Deduct</i>	-4.22	
				<i>For &gt;1,000, Deduct</i>	-5.91	
				<i>For Galvanized Steel, Add</i>	20.99	
				<i>For High Strength Steel (HSS), Add</i>	10.14	
05 12 23 00-0505	LF			6" x 6" x 3/4" Thick, Plain Steel Angle Iron.....	61.66	15.36
				<i>For &gt;100 To 250, Deduct</i>	-1.54	
				<i>For &gt;250 To 500, Deduct</i>	-3.08	
				<i>For &gt;500 To 1,000, Deduct</i>	-5.13	
				<i>For &gt;1,000, Deduct</i>	-7.19	
				<i>For Galvanized Steel, Add</i>	25.53	
				<i>For High Strength Steel (HSS), Add</i>	12.33	
05 12 23 00-0506	LF			7" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	56.28	14.03
				<i>For &gt;100 To 250, Deduct</i>	-1.40	
				<i>For &gt;250 To 500, Deduct</i>	-2.81	
				<i>For &gt;500 To 1,000, Deduct</i>	-4.68	
				<i>For &gt;1,000, Deduct</i>	-6.56	
				<i>For Galvanized Steel, Add</i>	23.30	
				<i>For High Strength Steel (HSS), Add</i>	11.26	
05 12 23 00-0507	LF			8" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	61.66	15.36
				<i>For &gt;100 To 250, Deduct</i>	-1.54	
				<i>For &gt;250 To 500, Deduct</i>	-3.08	
				<i>For &gt;500 To 1,000, Deduct</i>	-5.13	
				<i>For &gt;1,000, Deduct</i>	-7.19	
				<i>For Galvanized Steel, Add</i>	25.53	
				<i>For High Strength Steel (HSS), Add</i>	12.33	
05 12 23 00-0508	LF			8" x 6" x 3/4" Thick, Plain Steel Angle Iron.....	72.62	18.09
				<i>For &gt;100 To 250, Deduct</i>	-1.81	
				<i>For &gt;250 To 500, Deduct</i>	-3.62	
				<i>For &gt;500 To 1,000, Deduct</i>	-6.04	
				<i>For &gt;1,000, Deduct</i>	-8.46	
				<i>For Galvanized Steel, Add</i>	30.07	
				<i>For High Strength Steel (HSS), Add</i>	14.52	
05 12 23 00-0509	LF			8" x 8" x 3/4" Thick, Plain Steel Angle Iron.....	83.58	20.83
				<i>For &gt;100 To 250, Deduct</i>	-2.08	
				<i>For &gt;250 To 500, Deduct</i>	-4.17	
				<i>For &gt;500 To 1,000, Deduct</i>	-6.96	
				<i>For &gt;1,000, Deduct</i>	-9.74	
				<i>For Galvanized Steel, Add</i>	34.60	
				<i>For High Strength Steel (HSS), Add</i>	16.72	
<b>05 12 23 00-0510</b>				<b>7/8" Thick</b> <small>(05 12 23 00-0409)</small>		
05 12 23 00-0511	LF			5" x 5" x 7/8" Thick, Plain Steel Angle Iron.....	57.13	13.59
				<i>For &gt;100 To 250, Deduct</i>	-1.36	
				<i>For &gt;250 To 500, Deduct</i>	-2.79	
				<i>For &gt;500 To 1,000, Deduct</i>	-4.67	
				<i>For &gt;1,000, Deduct</i>	-6.55	
				<i>For Galvanized Steel, Add</i>	24.19	
				<i>For High Strength Steel (HSS), Add</i>	11.43	
05 12 23 00-0512	LF			6" x 4" x 7/8" Thick, Plain Steel Angle Iron.....	57.13	13.59
				<i>For &gt;100 To 250, Deduct</i>	-1.36	
				<i>For &gt;250 To 500, Deduct</i>	-2.79	
				<i>For &gt;500 To 1,000, Deduct</i>	-4.67	
				<i>For &gt;1,000, Deduct</i>	-6.55	
				<i>For Galvanized Steel, Add</i>	24.19	
				<i>For High Strength Steel (HSS), Add</i>	11.43	
05 12 23 00-0513	LF			6" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	69.54	16.54
				<i>For &gt;100 To 250, Deduct</i>	-1.65	
				<i>For &gt;250 To 500, Deduct</i>	-3.39	
				<i>For &gt;500 To 1,000, Deduct</i>	-5.68	
				<i>For &gt;1,000, Deduct</i>	-7.97	
				<i>For Galvanized Steel, Add</i>	29.44	
				<i>For High Strength Steel (HSS), Add</i>	13.91	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0514	LF 8" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	82.15	19.53
	For >100 To 250, Deduct	-1.95	
	For >250 To 500, Deduct	-4.01	
	For >500 To 1,000, Deduct	-6.71	
	For >1,000, Deduct	-9.42	
	For Galvanized Steel, Add	34.78	
	For High Strength Steel (HSS), Add	16.43	
05 12 23 00-0515	LF 8" x 8" x 7/8" Thick, Plain Steel Angle Iron.....	94.52	22.49
	For >100 To 250, Deduct	-2.25	
	For >250 To 500, Deduct	-4.61	
	For >500 To 1,000, Deduct	-7.72	
	For >1,000, Deduct	-10.84	
	For Galvanized Steel, Add	40.02	
	For High Strength Steel (HSS), Add	18.90	
05 12 23 00-0516	Bar Channel <small>(05 12 23 00-0408)</small>		
05 12 23 00-0517	LF 1" x 1/2" x 1/8" Thick Bar Channel.....	4.56	
	For 316 Stainless Steel, Add	4.99	
	For Aluminum, Add	0.28	
	For Galvanized Steel, Add	0.97	
	For 304 Stainless Steel, Add	4.45	
	For High Strength Steel (HSS), Add	0.91	
05 12 23 00-0518	LF 1-1/4" x 1/2" x 1/8" Thick Bar Channel.....	5.14	
	For 316 Stainless Steel, Add	5.98	
	For Aluminum, Add	0.34	
	For Galvanized Steel, Add	1.16	
	For 304 Stainless Steel, Add	5.33	
	For High Strength Steel (HSS), Add	1.03	
05 12 23 00-0519	LF 1-1/2" x 1/2" x 1/8" Thick Bar Channel.....	5.60	
	For 316 Stainless Steel, Add	6.62	
	For Aluminum, Add	0.37	
	For Galvanized Steel, Add	1.28	
	For 304 Stainless Steel, Add	5.90	
	For High Strength Steel (HSS), Add	1.12	
05 12 23 00-0520	LF 1-1/2" x 3/4" x 1/8" Thick Bar Channel.....	6.39	
	For 316 Stainless Steel, Add	6.91	
	For Aluminum, Add	0.39	
	For Galvanized Steel, Add	1.34	
	For 304 Stainless Steel, Add	6.16	
	For High Strength Steel (HSS), Add	1.28	
05 12 23 00-0521	LF 2" x 1/2" x 1/8" Thick Bar Channel.....	6.87	
	For 316 Stainless Steel, Add	8.45	
	For Aluminum, Add	0.48	
	For Galvanized Steel, Add	1.64	
	For 304 Stainless Steel, Add	7.52	
	For High Strength Steel (HSS), Add	1.83	
05 12 23 00-0522	LF 2" x 1" x 1/8" Thick Bar Channel.....	8.98	
	For 316 Stainless Steel, Add	9.44	
	For Aluminum, Add	0.53	
	For Galvanized Steel, Add	1.83	
	For 304 Stainless Steel, Add	8.41	
05 12 23 00-0523	Channels - C <small>(05 12 23 00-0408)</small>		
05 12 23 00-0524	LF C2 x 1.78 - 2" Wide Channel.....	7.47	3.72
	For >100 To 250, Deduct	-0.37	
	For >250 To 500, Deduct	-0.56	
	For >500 To 1,000, Deduct	-0.87	
	For >1,000, Deduct	-1.18	
	For 316 Stainless Steel, Add	8.03	
	For Aluminum, Add	0.45	
	For Galvanized Steel, Add	1.56	
	For 304 Stainless Steel, Add	7.15	
05 12 23 00-0525	LF C3 x 4.1 - 3" Wide Channel.....	13.02	5.35
	For >100 To 250, Deduct	-0.54	
	For >250 To 500, Deduct	-0.86	
	For >500 To 1,000, Deduct	-1.37	
	For >1,000, Deduct	-1.87	
	For 316 Stainless Steel, Add	18.82	
	For Aluminum, Add	1.06	
	For Galvanized Steel, Add	3.65	
	For 304 Stainless Steel, Add	16.76	
05 12 23 00-0526	LF C3 x 5 - 3" Wide Channel.....	15.87	6.53
	For >100 To 250, Deduct	-0.65	
	For >250 To 500, Deduct	-1.05	
	For >500 To 1,000, Deduct	-1.66	
	For >1,000, Deduct	-2.28	
	For 316 Stainless Steel, Add	22.94	
	For Aluminum, Add	1.29	
	For Galvanized Steel, Add	4.45	
	For 304 Stainless Steel, Add	20.43	
05 12 23 00-0527	LF C3 x 6 - 3" Wide Channel.....	19.06	7.84
	For >100 To 250, Deduct	-0.78	
	For >250 To 500, Deduct	-1.26	
	For >500 To 1,000, Deduct	-2.00	
	For >1,000, Deduct	-2.74	
	For 316 Stainless Steel, Add	27.55	
	For Aluminum, Add	1.55	
	For Galvanized Steel, Add	5.34	
	For 304 Stainless Steel, Add	24.54	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0528	LF	C4 x 5.4 - 4" Wide Channel.....	16.31	6.42
		For >100 To 250, Deduct	-0.64	
		For >250 To 500, Deduct	-1.05	
		For >500 To 1,000, Deduct	-1.67	
		For >1,000, Deduct	-2.29	
		For 316 Stainless Steel, Add	24.80	
		For Aluminum, Add	1.40	
		For Galvanized Steel, Add	4.81	
		For 304 Stainless Steel, Add	22.09	
05 12 23 00-0529	LF	C4 x 7.25 - 4" Wide Channel.....	21.90	8.62
		For >100 To 250, Deduct	-0.86	
		For >250 To 500, Deduct	-1.41	
		For >500 To 1,000, Deduct	-2.25	
		For >1,000, Deduct	-3.08	
		For 316 Stainless Steel, Add	33.28	
		For Aluminum, Add	1.87	
		For Galvanized Steel, Add	6.45	
		For 304 Stainless Steel, Add	29.64	
05 12 23 00-0530	LF	C5 x 6.7 - 5" Wide Channel.....	19.60	7.49
		For >100 To 250, Deduct	-0.75	
		For >250 To 500, Deduct	-1.24	
		For >500 To 1,000, Deduct	-1.98	
		For >1,000, Deduct	-2.72	
		For 316 Stainless Steel, Add	30.75	
		For Aluminum, Add	1.73	
		For Galvanized Steel, Add	5.96	
		For 304 Stainless Steel, Add	27.39	
05 12 23 00-0531	LF	C5 x 9 - 5" Wide Channel.....	26.33	10.06
		For >100 To 250, Deduct	-1.01	
		For >250 To 500, Deduct	-1.66	
		For >500 To 1,000, Deduct	-2.66	
		For >1,000, Deduct	-3.65	
		For 316 Stainless Steel, Add	41.31	
		For Aluminum, Add	2.32	
		For Galvanized Steel, Add	8.00	
		For 304 Stainless Steel, Add	36.79	
05 12 23 00-0532	LF	C6 x 8.2 - 6" Wide Channel.....	23.75	9.00
		For >100 To 250, Deduct	-0.90	
		For >250 To 500, Deduct	-1.49	
		For >500 To 1,000, Deduct	-2.39	
		For >1,000, Deduct	-3.28	
		For 316 Stainless Steel, Add	37.63	
		For Aluminum, Add	2.12	
		For Galvanized Steel, Add	7.29	
		For 304 Stainless Steel, Add	33.52	
05 12 23 00-0533	LF	C6 x 10.5 - 6" Wide Channel.....	30.41	11.52
		For >100 To 250, Deduct	-1.15	
		For >250 To 500, Deduct	-1.91	
		For >500 To 1,000, Deduct	-3.06	
		For >1,000, Deduct	-4.20	
		For 316 Stainless Steel, Add	48.19	
		For Aluminum, Add	2.71	
		For Galvanized Steel, Add	9.34	
		For 304 Stainless Steel, Add	42.92	
05 12 23 00-0534	LF	C6 x 13 - 6" Wide Channel.....	37.66	14.26
		For >100 To 250, Deduct	-1.43	
		For >250 To 500, Deduct	-2.37	
		For >500 To 1,000, Deduct	-3.78	
		For >1,000, Deduct	-5.20	
		For 316 Stainless Steel, Add	59.68	
		For Aluminum, Add	3.36	
		For Galvanized Steel, Add	11.56	
		For 304 Stainless Steel, Add	53.15	
05 12 23 00-0535	LF	C7 x 9.8 - 7" Wide Channel.....	28.34	10.71
		For >100 To 250, Deduct	-1.07	
		For >250 To 500, Deduct	-1.78	
		For >500 To 1,000, Deduct	-2.85	
		For >1,000, Deduct	-3.91	
		For 316 Stainless Steel, Add	44.99	
		For Aluminum, Add	2.53	
		For Galvanized Steel, Add	8.72	
		For 304 Stainless Steel, Add	40.07	
05 12 23 00-0536	LF	C7 x 12.25 - 7" Wide Channel.....	35.41	13.38
		For >100 To 250, Deduct	-1.34	
		For >250 To 500, Deduct	-2.22	
		For >500 To 1,000, Deduct	-3.55	
		For >1,000, Deduct	-4.89	
		For 316 Stainless Steel, Add	56.22	
		For Aluminum, Add	3.16	
		For Galvanized Steel, Add	10.89	
		For 304 Stainless Steel, Add	50.07	
05 12 23 00-0537	LF	C7 x 14.75 - 7" Wide Channel.....	42.65	16.12
		For >100 To 250, Deduct	-1.61	
		For >250 To 500, Deduct	-2.68	
		For >500 To 1,000, Deduct	-4.28	
		For >1,000, Deduct	-5.89	
		For 316 Stainless Steel, Add	67.71	
		For Aluminum, Add	3.81	
		For Galvanized Steel, Add	13.12	
		For 304 Stainless Steel, Add	60.31	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0538	LF		C8 x 11.5 - 8" Wide Channel.....	32.20	11.78
			<i>For &gt;100 To 250, Deduct</i>	-1.18	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.18	
			<i>For &gt;1,000, Deduct</i>	-4.38	
			<i>For 316 Stainless Steel, Add</i>	52.80	
			<i>For Aluminum, Add</i>	2.97	
			<i>For Galvanized Steel, Add</i>	10.23	
			<i>For 304 Stainless Steel, Add</i>	47.03	
05 12 23 00-0539	LF		C8 x 13.75 - 8" Wide Channel.....	38.50	14.09
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-2.37	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.80	
			<i>For &gt;1,000, Deduct</i>	-5.24	
			<i>For 316 Stainless Steel, Add</i>	63.10	
			<i>For Aluminum, Add</i>	3.55	
			<i>For Galvanized Steel, Add</i>	12.23	
			<i>For 304 Stainless Steel, Add</i>	56.20	
05 12 23 00-0540	LF		C8 x 18.75 - 8" Wide Channel.....	52.49	19.20
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-3.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.18	
			<i>For &gt;1,000, Deduct</i>	-7.14	
			<i>For 316 Stainless Steel, Add</i>	86.05	
			<i>For Aluminum, Add</i>	4.84	
			<i>For Galvanized Steel, Add</i>	16.67	
			<i>For 304 Stainless Steel, Add</i>	76.64	
05 12 23 00-0541	LF		C9 x 13.4 - 9" Wide Channel.....	37.52	13.73
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-2.31	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.71	
			<i>For &gt;1,000, Deduct</i>	-5.10	
			<i>For 316 Stainless Steel, Add</i>	61.50	
			<i>For Aluminum, Add</i>	3.46	
			<i>For Galvanized Steel, Add</i>	11.92	
			<i>For 304 Stainless Steel, Add</i>	54.78	
05 12 23 00-0542	LF		C9 x 15 - 9" Wide Channel.....	42.00	15.36
			<i>For &gt;100 To 250, Deduct</i>	-1.54	
			<i>For &gt;250 To 500, Deduct</i>	-2.59	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.15	
			<i>For &gt;1,000, Deduct</i>	-5.71	
			<i>For 316 Stainless Steel, Add</i>	68.86	
			<i>For Aluminum, Add</i>	3.87	
			<i>For Galvanized Steel, Add</i>	13.34	
			<i>For 304 Stainless Steel, Add</i>	61.33	
05 12 23 00-0543	LF		C9 x 20 - 9" Wide Channel.....	56.00	20.48
			<i>For &gt;100 To 250, Deduct</i>	-2.05	
			<i>For &gt;250 To 500, Deduct</i>	-3.45	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.53	
			<i>For &gt;1,000, Deduct</i>	-7.61	
			<i>For 316 Stainless Steel, Add</i>	91.81	
			<i>For Aluminum, Add</i>	5.16	
			<i>For Galvanized Steel, Add</i>	17.79	
			<i>For 304 Stainless Steel, Add</i>	81.77	
05 12 23 00-0544	LF		C10 x 15.3 - 10" Wide Channel.....	42.84	15.66
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-2.64	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.23	
			<i>For &gt;1,000, Deduct</i>	-5.82	
			<i>For 316 Stainless Steel, Add</i>	70.24	
			<i>For Aluminum, Add</i>	3.95	
			<i>For Galvanized Steel, Add</i>	13.61	
			<i>For 304 Stainless Steel, Add</i>	62.56	
05 12 23 00-0545	LF		C10 x 20 - 10" Wide Channel.....	56.00	20.48
			<i>For &gt;100 To 250, Deduct</i>	-2.05	
			<i>For &gt;250 To 500, Deduct</i>	-3.45	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.53	
			<i>For &gt;1,000, Deduct</i>	-7.61	
			<i>For 316 Stainless Steel, Add</i>	91.81	
			<i>For Aluminum, Add</i>	5.16	
			<i>For Galvanized Steel, Add</i>	17.79	
			<i>For 304 Stainless Steel, Add</i>	81.77	
05 12 23 00-0546	LF		C10 x 25 - 10" Wide Channel.....	70.00	25.60
			<i>For &gt;100 To 250, Deduct</i>	-2.56	
			<i>For &gt;250 To 500, Deduct</i>	-4.31	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.91	
			<i>For &gt;1,000, Deduct</i>	-9.52	
			<i>For 316 Stainless Steel, Add</i>	114.75	
			<i>For Aluminum, Add</i>	6.45	
			<i>For Galvanized Steel, Add</i>	22.23	
			<i>For 304 Stainless Steel, Add</i>	102.20	
05 12 23 00-0547	LF		C10 x 30 - 10" Wide Channel.....	83.99	30.72
			<i>For &gt;100 To 250, Deduct</i>	-3.07	
			<i>For &gt;250 To 500, Deduct</i>	-5.17	
			<i>For &gt;500 To 1,000, Deduct</i>	-8.30	
			<i>For &gt;1,000, Deduct</i>	-11.42	
			<i>For 316 Stainless Steel, Add</i>	137.70	
			<i>For Aluminum, Add</i>	7.75	
			<i>For Galvanized Steel, Add</i>	26.68	
			<i>For 304 Stainless Steel, Add</i>	122.64	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0548	LF		C12 x 20.7 - 12" Wide Channel.....	57.96	21.20
				For >100 To 250, Deduct	-2.12	
				For >250 To 500, Deduct	-3.57	
				For >500 To 1,000, Deduct	-5.73	
				For >1,000, Deduct	-7.88	
				For 316 Stainless Steel, Add	95.01	
				For Aluminum, Add	5.34	
				For Galvanized Steel, Add	18.41	
				For 304 Stainless Steel, Add	84.62	
	05 12 23 00-0549	LF		C12 x 25 - 12" Wide Channel.....	70.00	25.60
				For >100 To 250, Deduct	-2.56	
				For >250 To 500, Deduct	-4.31	
				For >500 To 1,000, Deduct	-6.91	
				For >1,000, Deduct	-9.52	
				For 316 Stainless Steel, Add	114.75	
				For Aluminum, Add	6.45	
				For Galvanized Steel, Add	22.23	
				For 304 Stainless Steel, Add	102.20	
	05 12 23 00-0550	LF		C12 x 30 - 12" Wide Channel.....	83.99	30.72
				For >100 To 250, Deduct	-3.07	
				For >250 To 500, Deduct	-5.17	
				For >500 To 1,000, Deduct	-8.30	
				For >1,000, Deduct	-11.42	
				For 316 Stainless Steel, Add	137.70	
				For Aluminum, Add	7.75	
				For Galvanized Steel, Add	26.68	
				For 304 Stainless Steel, Add	122.64	
	05 12 23 00-0551	LF		C15 x 33.9 - 15" Wide Channel.....	94.92	34.71
				For >100 To 250, Deduct	-3.47	
				For >250 To 500, Deduct	-5.84	
				For >500 To 1,000, Deduct	-9.38	
				For >1,000, Deduct	-12.91	
				For 316 Stainless Steel, Add	155.62	
				For Aluminum, Add	8.75	
				For Galvanized Steel, Add	30.15	
				For 304 Stainless Steel, Add	138.60	
	05 12 23 00-0552	LF		C15 x 40 - 15" Wide Channel.....	112.00	40.96
				For >100 To 250, Deduct	-4.10	
				For >250 To 500, Deduct	-6.90	
				For >500 To 1,000, Deduct	-11.06	
				For >1,000, Deduct	-15.23	
				For 316 Stainless Steel, Add	183.62	
				For Aluminum, Add	10.33	
				For Galvanized Steel, Add	35.58	
				For 304 Stainless Steel, Add	163.53	
	05 12 23 00-0553	LF		C15 x 50 - 15" Wide Channel.....	140.00	51.20
				For >100 To 250, Deduct	-5.12	
				For >250 To 500, Deduct	-8.62	
				For >500 To 1,000, Deduct	-13.83	
				For >1,000, Deduct	-19.04	
				For 316 Stainless Steel, Add	229.50	
				For Aluminum, Add	12.91	
				For Galvanized Steel, Add	44.47	
				For 304 Stainless Steel, Add	204.40	
	<b>05 12 23 00-0554</b>			<b>Miscellaneous Channels - MC</b> (05 12 23 00-0408)		
	05 12 23 00-0555	LF		MC6 x 12 - 6" Wide Channel.....	34.76	13.16
				For >100 To 250, Deduct	-1.32	
				For >250 To 500, Deduct	-2.19	
				For >500 To 1,000, Deduct	-3.49	
				For >1,000, Deduct	-4.80	
				For 316 Stainless Steel, Add	55.07	
				For Aluminum, Add	3.10	
				For Galvanized Steel, Add	10.67	
				For 304 Stainless Steel, Add	49.05	
	05 12 23 00-0556	LF		MC6 x 15.1 - 6" Wide Channel.....	43.74	16.56
				For >100 To 250, Deduct	-1.66	
				For >250 To 500, Deduct	-2.75	
				For >500 To 1,000, Deduct	-4.40	
				For >1,000, Deduct	-6.04	
				For 316 Stainless Steel, Add	69.31	
				For Aluminum, Add	3.90	
				For Galvanized Steel, Add	13.43	
				For 304 Stainless Steel, Add	61.73	
	05 12 23 00-0557	LF		MC6 x 15.3 - 6" Wide Channel.....	44.33	16.78
				For >100 To 250, Deduct	-1.68	
				For >250 To 500, Deduct	-2.79	
				For >500 To 1,000, Deduct	-4.45	
				For >1,000, Deduct	-6.12	
				For 316 Stainless Steel, Add	70.24	
				For Aluminum, Add	3.95	
				For Galvanized Steel, Add	13.61	
				For 304 Stainless Steel, Add	62.56	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0558	LF		MC6 x 16.3 - 6" Wide Channel.....	47.22	17.87
			For >100 To 250, Deduct	-1.79	
			For >250 To 500, Deduct	-2.97	
			For >500 To 1,000, Deduct	-4.75	
			For >1,000, Deduct	-6.52	
			For 316 Stainless Steel, Add	74.82	
			For Aluminum, Add	4.21	
			For Galvanized Steel, Add	14.50	
			For 304 Stainless Steel, Add	66.63	
05 12 23 00-0559	LF		MC6 x 18 - 6" Wide Channel.....	52.14	19.74
			For >100 To 250, Deduct	-1.97	
			For >250 To 500, Deduct	-3.28	
			For >500 To 1,000, Deduct	-5.24	
			For >1,000, Deduct	-7.20	
			For 316 Stainless Steel, Add	82.62	
			For Aluminum, Add	4.65	
			For Galvanized Steel, Add	16.01	
			For 304 Stainless Steel, Add	73.59	
05 12 23 00-0560	LF		MC7 x 17.6 - 7" Wide Channel.....	50.89	19.23
			For >100 To 250, Deduct	-1.92	
			For >250 To 500, Deduct	-3.20	
			For >500 To 1,000, Deduct	-5.11	
			For >1,000, Deduct	-7.02	
			For 316 Stainless Steel, Add	80.80	
			For Aluminum, Add	4.55	
			For Galvanized Steel, Add	15.66	
			For 304 Stainless Steel, Add	71.96	
05 12 23 00-0561	LF		MC7 x 19.1 - 7" Wide Channel.....	55.23	20.87
			For >100 To 250, Deduct	-2.09	
			For >250 To 500, Deduct	-3.47	
			For >500 To 1,000, Deduct	-5.54	
			For >1,000, Deduct	-7.62	
			For 316 Stainless Steel, Add	87.68	
			For Aluminum, Add	4.93	
			For Galvanized Steel, Add	16.99	
			For 304 Stainless Steel, Add	78.09	
05 12 23 00-0562	LF		MC7 x 22.7 - 7" Wide Channel.....	65.63	24.80
			For >100 To 250, Deduct	-2.48	
			For >250 To 500, Deduct	-4.12	
			For >500 To 1,000, Deduct	-6.59	
			For >1,000, Deduct	-9.06	
			For 316 Stainless Steel, Add	104.19	
			For Aluminum, Add	5.86	
			For Galvanized Steel, Add	20.19	
			For 304 Stainless Steel, Add	92.80	
05 12 23 00-0563	LF		MC8 x 8.5 - 8" Wide Channel.....	23.80	8.70
			For >100 To 250, Deduct	-0.87	
			For >250 To 500, Deduct	-1.47	
			For >500 To 1,000, Deduct	-2.35	
			For >1,000, Deduct	-3.24	
			For 316 Stainless Steel, Add	39.01	
			For Aluminum, Add	2.19	
			For Galvanized Steel, Add	7.56	
			For 304 Stainless Steel, Add	34.74	
05 12 23 00-0564	LF		MC8 x 18.7 - 8" Wide Channel.....	52.36	19.15
			For >100 To 250, Deduct	-1.92	
			For >250 To 500, Deduct	-3.22	
			For >500 To 1,000, Deduct	-5.17	
			For >1,000, Deduct	-7.12	
			For 316 Stainless Steel, Add	85.82	
			For Aluminum, Add	4.83	
			For Galvanized Steel, Add	16.63	
			For 304 Stainless Steel, Add	76.44	
05 12 23 00-0565	LF		MC8 x 20 - 8" Wide Channel.....	56.00	20.48
			For >100 To 250, Deduct	-2.05	
			For >250 To 500, Deduct	-3.45	
			For >500 To 1,000, Deduct	-5.53	
			For >1,000, Deduct	-7.61	
			For 316 Stainless Steel, Add	91.81	
			For Aluminum, Add	5.16	
			For Galvanized Steel, Add	17.79	
			For 304 Stainless Steel, Add	81.77	
05 12 23 00-0566	LF		MC8 x 21.4 - 8" Wide Channel.....	59.93	21.92
			For >100 To 250, Deduct	-2.19	
			For >250 To 500, Deduct	-3.69	
			For >500 To 1,000, Deduct	-5.92	
			For >1,000, Deduct	-8.15	
			For 316 Stainless Steel, Add	98.24	
			For Aluminum, Add	5.53	
			For Galvanized Steel, Add	19.03	
			For 304 Stainless Steel, Add	87.50	
05 12 23 00-0567	LF		MC8 x 22.8 - 8" Wide Channel.....	63.83	23.36
			For >100 To 250, Deduct	-2.33	
			For >250 To 500, Deduct	-3.93	
			For >500 To 1,000, Deduct	-6.30	
			For >1,000, Deduct	-8.68	
			For 316 Stainless Steel, Add	104.64	
			For Aluminum, Add	5.89	
			For Galvanized Steel, Add	20.27	
			For 304 Stainless Steel, Add	93.20	



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0568	LF	MC9 x 23.9 - 9" Wide Channel.....	66.92	24.48
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-4.12	
		For >500 To 1,000, Deduct	-6.61	
		For >1,000, Deduct	-9.10	
		For 316 Stainless Steel, Add	109.70	
		For Aluminum, Add	6.17	
		For Galvanized Steel, Add	21.25	
		For 304 Stainless Steel, Add	97.70	
05 12 23 00-0569	LF	MC9 x 25.4 - 9" Wide Channel.....	71.11	26.01
		For >100 To 250, Deduct	-2.60	
		For >250 To 500, Deduct	-4.38	
		For >500 To 1,000, Deduct	-7.02	
		For >1,000, Deduct	-9.67	
		For 316 Stainless Steel, Add	116.58	
		For Aluminum, Add	6.56	
		For Galvanized Steel, Add	22.59	
		For 304 Stainless Steel, Add	103.83	
05 12 23 00-0570	LF	MC10 x 6.5 - 10" Wide Channel.....	18.20	6.66
		For >100 To 250, Deduct	-0.67	
		For >250 To 500, Deduct	-1.12	
		For >500 To 1,000, Deduct	-1.80	
		For >1,000, Deduct	-2.48	
		For 316 Stainless Steel, Add	29.82	
		For Aluminum, Add	1.68	
		For Galvanized Steel, Add	5.78	
		For 304 Stainless Steel, Add	26.56	
05 12 23 00-0571	LF	MC10 x 8.4 - 10" Wide Channel.....	23.52	8.60
		For >100 To 250, Deduct	-0.86	
		For >250 To 500, Deduct	-1.45	
		For >500 To 1,000, Deduct	-2.32	
		For >1,000, Deduct	-3.20	
		For 316 Stainless Steel, Add	38.56	
		For Aluminum, Add	2.17	
		For Galvanized Steel, Add	7.47	
		For 304 Stainless Steel, Add	34.34	
05 12 23 00-0572	LF	MC10 x 21.9 - 10" Wide Channel.....	61.31	22.43
		For >100 To 250, Deduct	-2.24	
		For >250 To 500, Deduct	-3.78	
		For >500 To 1,000, Deduct	-6.06	
		For >1,000, Deduct	-8.34	
		For 316 Stainless Steel, Add	100.51	
		For Aluminum, Add	5.65	
		For Galvanized Steel, Add	19.47	
		For 304 Stainless Steel, Add	89.52	
05 12 23 00-0573	LF	MC10 x 24.9 - 10" Wide Channel.....	69.73	25.51
		For >100 To 250, Deduct	-2.55	
		For >250 To 500, Deduct	-4.29	
		For >500 To 1,000, Deduct	-6.89	
		For >1,000, Deduct	-9.48	
		For 316 Stainless Steel, Add	114.30	
		For Aluminum, Add	6.43	
		For Galvanized Steel, Add	22.15	
		For 304 Stainless Steel, Add	101.80	
05 12 23 00-0574	LF	MC10 x 25.3 - 10" Wide Channel.....	70.83	25.92
		For >100 To 250, Deduct	-2.59	
		For >250 To 500, Deduct	-4.36	
		For >500 To 1,000, Deduct	-7.00	
		For >1,000, Deduct	-9.63	
		For 316 Stainless Steel, Add	116.13	
		For Aluminum, Add	6.53	
		For Galvanized Steel, Add	22.50	
		For 304 Stainless Steel, Add	103.43	
05 12 23 00-0575	LF	MC10 x 28.3 - 10" Wide Channel.....	79.24	28.97
		For >100 To 250, Deduct	-2.90	
		For >250 To 500, Deduct	-4.88	
		For >500 To 1,000, Deduct	-7.83	
		For >1,000, Deduct	-10.77	
		For 316 Stainless Steel, Add	129.89	
		For Aluminum, Add	7.31	
		For Galvanized Steel, Add	25.17	
		For 304 Stainless Steel, Add	115.68	
05 12 23 00-0576	LF	MC10 x 28.5 - 10" Wide Channel.....	79.80	29.19
		For >100 To 250, Deduct	-2.92	
		For >250 To 500, Deduct	-4.91	
		For >500 To 1,000, Deduct	-7.88	
		For >1,000, Deduct	-10.85	
		For 316 Stainless Steel, Add	130.82	
		For Aluminum, Add	7.36	
		For Galvanized Steel, Add	25.35	
		For 304 Stainless Steel, Add	116.51	
05 12 23 00-0577	LF	MC10 x 33.6 - 10" Wide Channel.....	94.08	34.41
		For >100 To 250, Deduct	-3.44	
		For >250 To 500, Deduct	-5.79	
		For >500 To 1,000, Deduct	-9.29	
		For >1,000, Deduct	-12.79	
		For 316 Stainless Steel, Add	154.24	
		For Aluminum, Add	8.68	
		For Galvanized Steel, Add	29.88	
		For 304 Stainless Steel, Add	137.37	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0578	LF		MC10 x 41.1 - 10" Wide Channel.....	115.07	42.10
			<i>For &gt;100 To 250, Deduct</i>	-4.21	
			<i>For &gt;250 To 500, Deduct</i>	-7.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-11.37	
			<i>For &gt;1,000, Deduct</i>	-15.65	
			<i>For 316 Stainless Steel, Add</i>	188.64	
			<i>For Aluminum, Add</i>	10.61	
			<i>For Galvanized Steel, Add</i>	36.55	
			<i>For 304 Stainless Steel, Add</i>	168.01	
05 12 23 00-0579	LF		MC12 x 30.9 - 12" Wide Channel.....	86.52	31.65
			<i>For &gt;100 To 250, Deduct</i>	-3.17	
			<i>For &gt;250 To 500, Deduct</i>	-5.33	
			<i>For &gt;500 To 1,000, Deduct</i>	-8.55	
			<i>For &gt;1,000, Deduct</i>	-11.76	
			<i>For 316 Stainless Steel, Add</i>	141.82	
			<i>For Aluminum, Add</i>	7.98	
			<i>For Galvanized Steel, Add</i>	27.48	
			<i>For 304 Stainless Steel, Add</i>	126.31	
05 12 23 00-0580	LF		MC12 x 32.9 - 12" Wide Channel.....	92.12	33.69
			<i>For &gt;100 To 250, Deduct</i>	-3.37	
			<i>For &gt;250 To 500, Deduct</i>	-5.67	
			<i>For &gt;500 To 1,000, Deduct</i>	-9.10	
			<i>For &gt;1,000, Deduct</i>	-12.53	
			<i>For 316 Stainless Steel, Add</i>	151.01	
			<i>For Aluminum, Add</i>	8.49	
			<i>For Galvanized Steel, Add</i>	29.26	
			<i>For 304 Stainless Steel, Add</i>	134.49	
05 12 23 00-0581	LF		MC12 x 35 - 12" Wide Channel.....	97.99	35.84
			<i>For &gt;100 To 250, Deduct</i>	-3.58	
			<i>For &gt;250 To 500, Deduct</i>	-6.03	
			<i>For &gt;500 To 1,000, Deduct</i>	-9.68	
			<i>For &gt;1,000, Deduct</i>	-13.32	
			<i>For 316 Stainless Steel, Add</i>	160.64	
			<i>For Aluminum, Add</i>	9.04	
			<i>For Galvanized Steel, Add</i>	31.12	
			<i>For 304 Stainless Steel, Add</i>	143.07	
05 12 23 00-0582	LF		MC12 x 37 - 12" Wide Channel.....	103.60	37.90
			<i>For &gt;100 To 250, Deduct</i>	-3.79	
			<i>For &gt;250 To 500, Deduct</i>	-6.38	
			<i>For &gt;500 To 1,000, Deduct</i>	-10.23	
			<i>For &gt;1,000, Deduct</i>	-14.09	
			<i>For 316 Stainless Steel, Add</i>	169.82	
			<i>For Aluminum, Add</i>	9.55	
			<i>For Galvanized Steel, Add</i>	32.90	
			<i>For 304 Stainless Steel, Add</i>	151.25	
05 12 23 00-0583	LF		MC12 x 40 - 12" Wide Channel.....	112.00	40.96
			<i>For &gt;100 To 250, Deduct</i>	-4.10	
			<i>For &gt;250 To 500, Deduct</i>	-6.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-11.06	
			<i>For &gt;1,000, Deduct</i>	-15.23	
			<i>For 316 Stainless Steel, Add</i>	183.62	
			<i>For Aluminum, Add</i>	10.33	
			<i>For Galvanized Steel, Add</i>	35.58	
			<i>For 304 Stainless Steel, Add</i>	163.53	
05 12 23 00-0584	LF		MC12 x 45 - 12" Wide Channel.....	126.00	46.09
			<i>For &gt;100 To 250, Deduct</i>	-4.61	
			<i>For &gt;250 To 500, Deduct</i>	-7.76	
			<i>For &gt;500 To 1,000, Deduct</i>	-12.45	
			<i>For &gt;1,000, Deduct</i>	-17.13	
			<i>For 316 Stainless Steel, Add</i>	206.56	
			<i>For Aluminum, Add</i>	11.62	
			<i>For Galvanized Steel, Add</i>	40.02	
			<i>For 304 Stainless Steel, Add</i>	183.97	
05 12 23 00-0585	LF		MC12 x 50 - 12" Wide Channel.....	140.00	51.21
			<i>For &gt;100 To 250, Deduct</i>	-5.12	
			<i>For &gt;250 To 500, Deduct</i>	-8.62	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.83	
			<i>For &gt;1,000, Deduct</i>	-19.04	
			<i>For 316 Stainless Steel, Add</i>	229.50	
			<i>For Aluminum, Add</i>	12.91	
			<i>For Galvanized Steel, Add</i>	44.47	
			<i>For 304 Stainless Steel, Add</i>	204.40	
05 12 23 00-0586	LF		MC13 x 31.8 - 13" Wide Channel.....	89.04	32.57
			<i>For &gt;100 To 250, Deduct</i>	-3.26	
			<i>For &gt;250 To 500, Deduct</i>	-5.48	
			<i>For &gt;500 To 1,000, Deduct</i>	-8.80	
			<i>For &gt;1,000, Deduct</i>	-12.11	
			<i>For 316 Stainless Steel, Add</i>	145.95	
			<i>For Aluminum, Add</i>	8.21	
			<i>For Galvanized Steel, Add</i>	28.28	
			<i>For 304 Stainless Steel, Add</i>	129.99	
05 12 23 00-0587	LF		MC13 x 35 - 13" Wide Channel.....	97.99	35.84
			<i>For &gt;100 To 250, Deduct</i>	-3.58	
			<i>For &gt;250 To 500, Deduct</i>	-6.03	
			<i>For &gt;500 To 1,000, Deduct</i>	-9.68	
			<i>For &gt;1,000, Deduct</i>	-13.32	
			<i>For 316 Stainless Steel, Add</i>	160.64	
			<i>For Aluminum, Add</i>	9.04	
			<i>For Galvanized Steel, Add</i>	31.12	
			<i>For 304 Stainless Steel, Add</i>	143.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0588	LF		MC13 x 40 - 13" Wide Channel.....	112.00	40.96
			<i>For &gt;100 To 250, Deduct</i>	-4.10	
			<i>For &gt;250 To 500, Deduct</i>	-6.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-11.06	
			<i>For &gt;1,000, Deduct</i>	-15.23	
			<i>For 316 Stainless Steel, Add</i>	183.62	
			<i>For Aluminum, Add</i>	10.33	
			<i>For Galvanized Steel, Add</i>	35.58	
			<i>For 304 Stainless Steel, Add</i>	163.53	
05 12 23 00-0589	LF		MC13 x 50 - 13" Wide Channel.....	140.00	51.21
			<i>For &gt;100 To 250, Deduct</i>	-5.12	
			<i>For &gt;250 To 500, Deduct</i>	-8.62	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.83	
			<i>For &gt;1,000, Deduct</i>	-19.04	
			<i>For 316 Stainless Steel, Add</i>	229.50	
			<i>For Aluminum, Add</i>	12.91	
			<i>For Galvanized Steel, Add</i>	44.47	
			<i>For 304 Stainless Steel, Add</i>	204.40	
05 12 23 00-0590	LF		MC18 x 42.7 - 18" Wide Channel.....	119.56	43.73
			<i>For &gt;100 To 250, Deduct</i>	-4.37	
			<i>For &gt;250 To 500, Deduct</i>	-7.36	
			<i>For &gt;500 To 1,000, Deduct</i>	-11.81	
			<i>For &gt;1,000, Deduct</i>	-16.26	
			<i>For 316 Stainless Steel, Add</i>	196.00	
			<i>For Aluminum, Add</i>	11.03	
			<i>For Galvanized Steel, Add</i>	37.98	
			<i>For 304 Stainless Steel, Add</i>	174.56	
05 12 23 00-0591	LF		MC18 x 45.8 - 18" Wide Channel.....	128.23	46.91
			<i>For &gt;100 To 250, Deduct</i>	-4.69	
			<i>For &gt;250 To 500, Deduct</i>	-7.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-12.67	
			<i>For &gt;1,000, Deduct</i>	-17.43	
			<i>For 316 Stainless Steel, Add</i>	210.21	
			<i>For Aluminum, Add</i>	11.82	
			<i>For Galvanized Steel, Add</i>	40.73	
			<i>For 304 Stainless Steel, Add</i>	187.22	
05 12 23 00-0592	LF		MC18 x 51.9 - 18" Wide Channel.....	145.31	53.15
			<i>For &gt;100 To 250, Deduct</i>	-5.32	
			<i>For &gt;250 To 500, Deduct</i>	-8.95	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.35	
			<i>For &gt;1,000, Deduct</i>	-19.76	
			<i>For 316 Stainless Steel, Add</i>	238.21	
			<i>For Aluminum, Add</i>	13.40	
			<i>For Galvanized Steel, Add</i>	46.15	
			<i>For 304 Stainless Steel, Add</i>	212.15	
05 12 23 00-0593	LF		MC18 x 58 - 18" Wide Channel.....	162.39	59.39
			<i>For &gt;100 To 250, Deduct</i>	-5.94	
			<i>For &gt;250 To 500, Deduct</i>	-10.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-16.04	
			<i>For &gt;1,000, Deduct</i>	-22.08	
			<i>For 316 Stainless Steel, Add</i>	266.21	
			<i>For Aluminum, Add</i>	14.97	
			<i>For Galvanized Steel, Add</i>	51.58	
			<i>For 304 Stainless Steel, Add</i>	237.09	
<b>05 12 23 00-0594</b>			<b>Structural Bar Tees</b> (05 12 23 00-0408)		
05 12 23 00-0595	LF		3/4" x 3/4" x 1/8" Structural Bar Tee.....	4.79	2.72
			<i>For &gt;100 To 250, Deduct</i>	-0.27	
			<i>For &gt;250 To 500, Deduct</i>	-0.39	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.60	
			<i>For &gt;1,000, Deduct</i>	-0.81	
			<i>For 316 Stainless Steel, Add</i>	3.71	
			<i>For Aluminum, Add</i>	0.21	
			<i>For Galvanized Steel, Add</i>	0.72	
			<i>For 304 Stainless Steel, Add</i>	3.31	
05 12 23 00-0596	LF		1" x 1" x 1/8" Structural Bar Tee.....	5.87	3.21
			<i>For &gt;100 To 250, Deduct</i>	-0.32	
			<i>For &gt;250 To 500, Deduct</i>	-0.47	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.72	
			<i>For &gt;1,000, Deduct</i>	-0.98	
			<i>For 316 Stainless Steel, Add</i>	5.09	
			<i>For Aluminum, Add</i>	0.29	
			<i>For Galvanized Steel, Add</i>	0.99	
			<i>For 304 Stainless Steel, Add</i>	4.53	
05 12 23 00-0597	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee .....	9.49	3.71
			<i>For &gt;100 To 250, Deduct</i>	-0.37	
			<i>For &gt;250 To 500, Deduct</i>	-0.61	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.97	
			<i>For &gt;1,000, Deduct</i>	-1.33	
			<i>For 316 Stainless Steel, Add</i>	14.56	
			<i>For Aluminum, Add</i>	0.82	
			<i>For Galvanized Steel, Add</i>	2.82	
			<i>For 304 Stainless Steel, Add</i>	12.97	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0598	LF 2" x 2" x 1/4" Structural Bar Tee.....	13.24	4.85
	For >100 To 250, Deduct	-0.49	
	For >250 To 500, Deduct	-0.82	
	For >500 To 1,000, Deduct	-1.31	
	For >1,000, Deduct	-1.80	
	For 316 Stainless Steel, Add	21.66	
	For Aluminum, Add	1.22	
	For Galvanized Steel, Add	4.20	
	For 304 Stainless Steel, Add	19.29	
05 12 23 00-0599	LF 2-1/2" x 2-1/2" x 3/8" Structural Bar Tee.....	19.97	5.85
	For >100 To 250, Deduct	-0.59	
	For >250 To 500, Deduct	-1.09	
	For >500 To 1,000, Deduct	-1.78	
	For >1,000, Deduct	-2.47	
	For 316 Stainless Steel, Add	38.91	
	For Aluminum, Add	2.19	
	For Galvanized Steel, Add	7.54	
	For 304 Stainless Steel, Add	34.66	
05 12 23 00-0600	LF 3" x 3" x 3/8" Structural Bar Tee.....	24.59	7.49
	For >100 To 250, Deduct	-0.75	
	For >250 To 500, Deduct	-1.36	
	For >500 To 1,000, Deduct	-2.23	
	For >1,000, Deduct	-3.09	
	For 316 Stainless Steel, Add	46.72	
	For Aluminum, Add	2.63	
	For Galvanized Steel, Add	9.05	
	For 304 Stainless Steel, Add	41.61	
05 12 23 00-0601	Structural Zees (05 12 23 00-0408)		
05 12 23 00-0602	LF 1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee.....	11.72	3.71
	For >100 To 250, Deduct	-0.37	
	For >250 To 500, Deduct	-0.66	
	For >500 To 1,000, Deduct	-1.08	
	For >1,000, Deduct	-1.50	
	For 316 Stainless Steel, Add	21.70	
	For Aluminum, Add	1.22	
	For Galvanized Steel, Add	4.20	
	For 304 Stainless Steel, Add	19.32	
05 12 23 00-0603	LF 2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee.....	22.13	4.43
	For >100 To 250, Deduct	-0.44	
	For >250 To 500, Deduct	-1.00	
	For >500 To 1,000, Deduct	-1.70	
	For >1,000, Deduct	-2.40	
	For 316 Stainless Steel, Add	51.94	
	For Aluminum, Add	2.92	
	For Galvanized Steel, Add	10.06	
	For 304 Stainless Steel, Add	46.26	
05 12 23 00-0604	LF 3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee.....	26.52	4.99
	For >100 To 250, Deduct	-0.50	
	For >250 To 500, Deduct	-1.16	
	For >500 To 1,000, Deduct	-1.99	
	For >1,000, Deduct	-2.82	
	For 316 Stainless Steel, Add	63.55	
	For Aluminum, Add	3.57	
	For Galvanized Steel, Add	12.31	
	For 304 Stainless Steel, Add	56.60	
05 12 23 00-0605	LF 3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee.....	35.70	5.71
	For >100 To 250, Deduct	-0.57	
	For >250 To 500, Deduct	-1.46	
	For >500 To 1,000, Deduct	-2.55	
	For >1,000, Deduct	-3.63	
	For 316 Stainless Steel, Add	89.89	
	For Aluminum, Add	5.06	
	For Galvanized Steel, Add	17.42	
	For 304 Stainless Steel, Add	80.06	
05 12 23 00-0606	LF 3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee.....	46.30	6.21
	For >100 To 250, Deduct	-0.62	
	For >250 To 500, Deduct	-1.78	
	For >500 To 1,000, Deduct	-3.14	
	For >1,000, Deduct	-4.51	
	For 316 Stainless Steel, Add	121.66	
	For Aluminum, Add	6.84	
	For Galvanized Steel, Add	23.57	
	For 304 Stainless Steel, Add	108.36	
05 12 23 00-0607	Junior I-Beams (05 12 23 00-0408)		
05 12 23 00-0608	LF 3" Junior I-Beam, 2.9 LB/LF.....	16.08	5.36
	For >100 To 250, Deduct	-0.54	
	For >250 To 500, Deduct	-0.94	
	For >500 To 1,000, Deduct	-1.52	
	For >1,000, Deduct	-2.10	
	For 316 Stainless Steel, Add	28.61	
	For Aluminum, Add	1.61	
	For Galvanized Steel, Add	5.54	
	For 304 Stainless Steel, Add	25.48	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0609	LF		4" Junior I-Beam, 3.2 LB/LF .....	17.67	5.85
				For >100 To 250, Deduct	-0.59	
				For >250 To 500, Deduct	-1.03	
				For >500 To 1,000, Deduct	-1.66	
				For >1,000, Deduct	-2.30	
				For 316 Stainless Steel, Add	31.55	
				For Aluminum, Add	1.77	
				For Galvanized Steel, Add	6.11	
				For 304 Stainless Steel, Add	28.10	
	05 12 23 00-0610	LF		5" Junior I-Beam, 3.8 LB/LF .....	20.27	6.42
				For >100 To 250, Deduct	-0.64	
				For >250 To 500, Deduct	-1.15	
				For >500 To 1,000, Deduct	-1.87	
				For >1,000, Deduct	-2.59	
				For 316 Stainless Steel, Add	37.47	
				For Aluminum, Add	2.11	
				For Galvanized Steel, Add	7.26	
				For 304 Stainless Steel, Add	33.37	
	05 12 23 00-0611	LF		6" Junior I-Beam, 4.4 LB/LF .....	22.89	7.00
				For >100 To 250, Deduct	-0.70	
				For >250 To 500, Deduct	-1.27	
				For >500 To 1,000, Deduct	-2.08	
				For >1,000, Deduct	-2.88	
				For 316 Stainless Steel, Add	43.39	
				For Aluminum, Add	2.44	
				For Galvanized Steel, Add	8.41	
				For 304 Stainless Steel, Add	38.65	
	05 12 23 00-0612	LF		7" Junior I-Beam, 5.5 LB/LF .....	26.94	7.49
				For >100 To 250, Deduct	-0.75	
				For >250 To 500, Deduct	-1.42	
				For >500 To 1,000, Deduct	-2.35	
				For >1,000, Deduct	-3.27	
				For 316 Stainless Steel, Add	54.24	
				For Aluminum, Add	3.05	
				For Galvanized Steel, Add	10.51	
				For 304 Stainless Steel, Add	48.31	
	05 12 23 00-0613	LF		8" Junior I-Beam, 6.5 LB/LF .....	30.69	8.00
				For >100 To 250, Deduct	-0.80	
				For >250 To 500, Deduct	-1.57	
				For >500 To 1,000, Deduct	-2.60	
				For >1,000, Deduct	-3.63	
				For 316 Stainless Steel, Add	64.10	
				For Aluminum, Add	3.61	
				For Galvanized Steel, Add	12.42	
				For 304 Stainless Steel, Add	57.09	
	05 12 23 00-0614	LF		10" Junior I-Beam, 9 LB/LF .....	39.92	9.14
				For >100 To 250, Deduct	-0.91	
				For >250 To 500, Deduct	-1.91	
				For >500 To 1,000, Deduct	-3.21	
				For >1,000, Deduct	-4.52	
				For 316 Stainless Steel, Add	88.77	
				For Aluminum, Add	4.99	
				For Galvanized Steel, Add	17.20	
				For 304 Stainless Steel, Add	79.06	
	05 12 23 00-0615	LF		12" Junior I-Beam, 11.8 LB/LF .....	50.83	10.85
				For >100 To 250, Deduct	-1.08	
				For >250 To 500, Deduct	-2.36	
				For >500 To 1,000, Deduct	-3.99	
				For >1,000, Deduct	-5.62	
				For 316 Stainless Steel, Add	116.38	
				For Aluminum, Add	6.55	
				For Galvanized Steel, Add	22.55	
				For 304 Stainless Steel, Add	103.65	
	<b>05 12 23 00-0616</b>			<b>Round Stock</b> <small>(05 12 23 00-0408)</small>		
	05 12 23 00-0617	LF		1/4" Carbon Steel Rounds, ASTM A108 .....	1.83	
				For 316 Stainless Steel, Add	2.82	
				For Aluminum, Add	0.16	
				For Galvanized Steel, Add	0.55	
				For 304 Stainless Steel, Add	2.51	
	05 12 23 00-0618	LF		3/8" Carbon Steel Rounds, ASTM A108 .....	2.81	
				For 316 Stainless Steel, Add	5.54	
				For Aluminum, Add	0.31	
				For Galvanized Steel, Add	1.07	
				For 304 Stainless Steel, Add	4.93	
	05 12 23 00-0619	LF		1/2" Carbon Steel Rounds, ASTM A108 .....	3.82	
				For 316 Stainless Steel, Add	8.42	
				For Aluminum, Add	0.47	
				For Galvanized Steel, Add	1.63	
				For 304 Stainless Steel, Add	7.50	
	05 12 23 00-0620	LF		5/8" Carbon Steel Rounds, ASTM A108 .....	5.70	
				For 316 Stainless Steel, Add	14.02	
				For Aluminum, Add	0.79	
				For Galvanized Steel, Add	2.72	
				For 304 Stainless Steel, Add	12.48	
	05 12 23 00-0621	LF		3/4" Carbon Steel Rounds, ASTM A108 .....	6.79	
				For 316 Stainless Steel, Add	16.67	
				For Aluminum, Add	0.94	
				For Galvanized Steel, Add	3.23	
				For 304 Stainless Steel, Add	14.85	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0622	LF 7/8" Carbon Steel Rounds, ASTM A108 .....	7.91	
	For 316 Stainless Steel, Add	19.46	
	For Aluminum, Add	1.09	
	For Galvanized Steel, Add	3.77	
	For 304 Stainless Steel, Add	17.33	
05 12 23 00-0623	LF 1" Carbon Steel Rounds, ASTM A108 .....	11.43	
	For 316 Stainless Steel, Add	29.66	
	For Aluminum, Add	1.67	
	For Galvanized Steel, Add	5.75	
	For 304 Stainless Steel, Add	26.42	
05 12 23 00-0624	LF 1-1/8" Carbon Steel Rounds, ASTM A108 .....	13.91	
	For 316 Stainless Steel, Add	36.06	
	For Aluminum, Add	2.03	
	For Galvanized Steel, Add	6.99	
	For 304 Stainless Steel, Add	32.12	
05 12 23 00-0625	LF 1-1/4" Carbon Steel Rounds, ASTM A108 .....	16.66	
	For 316 Stainless Steel, Add	42.43	
	For Aluminum, Add	2.39	
	For Galvanized Steel, Add	8.22	
	For 304 Stainless Steel, Add	37.79	
05 12 23 00-0626	LF 1-3/8" Carbon Steel Rounds, ASTM A108 .....	20.14	
	For 316 Stainless Steel, Add	51.78	
	For Aluminum, Add	2.91	
	For Galvanized Steel, Add	10.03	
	For 304 Stainless Steel, Add	46.11	
05 12 23 00-0627	LF 1-1/2" Carbon Steel Rounds, ASTM A108 .....	22.51	
	For 316 Stainless Steel, Add	56.80	
	For Aluminum, Add	3.20	
	For Galvanized Steel, Add	11.01	
	For 304 Stainless Steel, Add	50.59	
05 12 23 00-0628	LF 1-5/8" Carbon Steel Rounds, ASTM A108 .....	26.07	
	For 316 Stainless Steel, Add	64.38	
	For Aluminum, Add	3.62	
	For Galvanized Steel, Add	12.47	
	For 304 Stainless Steel, Add	57.34	
05 12 23 00-0629	LF 1-3/4" Carbon Steel Rounds, ASTM A108 .....	31.34	
	For 316 Stainless Steel, Add	74.91	
	For Aluminum, Add	4.21	
	For Galvanized Steel, Add	14.51	
	For 304 Stainless Steel, Add	66.72	
05 12 23 00-0630	LF 1-7/8" Carbon Steel Rounds, ASTM A108 .....	37.89	
	For 316 Stainless Steel, Add	87.74	
	For Aluminum, Add	4.94	
	For Galvanized Steel, Add	17.00	
	For 304 Stainless Steel, Add	78.15	
05 12 23 00-0631	LF 2" Carbon Steel Rounds, ASTM A108 .....	43.45	
	For 316 Stainless Steel, Add	97.60	
	For Aluminum, Add	5.49	
	For Galvanized Steel, Add	18.91	
	For 304 Stainless Steel, Add	86.93	
05 12 23 00-0632	LF 2-1/8" Carbon Steel Rounds, ASTM A108 .....	50.93	
	For 316 Stainless Steel, Add	111.49	
	For Aluminum, Add	6.27	
	For Galvanized Steel, Add	21.60	
	For 304 Stainless Steel, Add	99.29	
05 12 23 00-0633	LF 2-1/4" Carbon Steel Rounds, ASTM A108 .....	57.67	
	For 316 Stainless Steel, Add	125.34	
	For Aluminum, Add	7.05	
	For Galvanized Steel, Add	24.29	
	For 304 Stainless Steel, Add	111.63	
05 12 23 00-0634	LF 2-3/8" Carbon Steel Rounds, ASTM A108 .....	66.07	
	For 316 Stainless Steel, Add	143.36	
	For Aluminum, Add	8.06	
	For Galvanized Steel, Add	27.78	
	For 304 Stainless Steel, Add	127.68	
05 12 23 00-0635	LF 2-1/2" Carbon Steel Rounds, ASTM A108 .....	73.26	
	For 316 Stainless Steel, Add	154.50	
	For Aluminum, Add	8.69	
	For Galvanized Steel, Add	29.93	
	For 304 Stainless Steel, Add	137.60	
05 12 23 00-0636	LF 2-5/8" Carbon Steel Rounds, ASTM A108 .....	89.08	
	For 316 Stainless Steel, Add	196.26	
	For Aluminum, Add	11.04	
	For Galvanized Steel, Add	38.02	
	For 304 Stainless Steel, Add	174.79	
05 12 23 00-0637	LF 2-3/4" Carbon Steel Rounds, ASTM A108 .....	101.39	
	For 316 Stainless Steel, Add	223.81	
	For Aluminum, Add	12.59	
	For Galvanized Steel, Add	43.36	
	For 304 Stainless Steel, Add	199.33	
05 12 23 00-0638	LF 2-7/8" Carbon Steel Rounds, ASTM A108 .....	113.09	
	For 316 Stainless Steel, Add	249.41	
	For Aluminum, Add	14.03	
	For Galvanized Steel, Add	48.32	
	For 304 Stainless Steel, Add	222.13	
05 12 23 00-0639	LF 3" Carbon Steel Rounds, ASTM A108 .....	119.12	
	For 316 Stainless Steel, Add	256.86	
	For Aluminum, Add	14.45	
	For Galvanized Steel, Add	49.77	
	For 304 Stainless Steel, Add	228.77	

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0640	LF 3-1/8" Carbon Steel Rounds, ASTM A108	.....	124.60	
	For 316 Stainless Steel, Add		262.56	
	For Aluminum, Add		14.77	
	For Galvanized Steel, Add		50.87	
	For 304 Stainless Steel, Add		233.84	
05 12 23 00-0641	LF 3-1/4" Carbon Steel Rounds, ASTM A108	.....	131.65	
	For 316 Stainless Steel, Add		273.28	
	For Aluminum, Add		15.37	
	For Galvanized Steel, Add		52.95	
	For 304 Stainless Steel, Add		243.39	
05 12 23 00-0642	LF 3-1/2" Carbon Steel Rounds, ASTM A108	.....	159.24	
	For 316 Stainless Steel, Add		346.75	
	For Aluminum, Add		19.50	
	For Galvanized Steel, Add		67.18	
	For 304 Stainless Steel, Add		308.83	
05 12 23 00-0643	LF 3-5/8" Carbon Steel Rounds, ASTM A108	.....	176.73	
	For 316 Stainless Steel, Add		387.90	
	For Aluminum, Add		21.82	
	For Galvanized Steel, Add		75.16	
	For 304 Stainless Steel, Add		345.48	
05 12 23 00-0644	LF 3-3/4" Carbon Steel Rounds, ASTM A108	.....	189.80	
	For 316 Stainless Steel, Add		414.94	
	For Aluminum, Add		23.34	
	For Galvanized Steel, Add		80.40	
	For 304 Stainless Steel, Add		369.56	
05 12 23 00-0645	LF 4" Carbon Steel Rounds, ASTM A108	.....	212.39	
	For 316 Stainless Steel, Add		472.42	
	For Aluminum, Add		26.57	
	For Galvanized Steel, Add		91.53	
	For 304 Stainless Steel, Add		420.75	
<b>05 12 23 00-0646</b>	<b>Square Stock</b> (05 12 23 00-0408)			
05 12 23 00-0647	LF 3/8" Square Bar Stock	.....	1.76	
	For 316 Stainless Steel, Add		2.18	
	For Aluminum, Add		0.12	
	For Galvanized Steel, Add		0.42	
	For 304 Stainless Steel, Add		1.94	
05 12 23 00-0648	LF 1/2" Square Bar Stock	.....	2.40	
	For 316 Stainless Steel, Add		3.87	
	For Aluminum, Add		0.22	
	For Galvanized Steel, Add		0.75	
	For 304 Stainless Steel, Add		3.45	
05 12 23 00-0649	LF 5/8" Square Bar Stock	.....	3.21	
	For 316 Stainless Steel, Add		6.05	
	For Aluminum, Add		0.34	
	For Galvanized Steel, Add		1.17	
	For 304 Stainless Steel, Add		5.39	
05 12 23 00-0650	LF 3/4" Square Bar Stock	.....	4.31	
	For 316 Stainless Steel, Add		8.74	
	For Aluminum, Add		0.49	
	For Galvanized Steel, Add		1.69	
	For 304 Stainless Steel, Add		7.78	
05 12 23 00-0651	LF 7/8" Square Bar Stock	.....	5.64	
	For 316 Stainless Steel, Add		12.19	
	For Aluminum, Add		0.69	
	For Galvanized Steel, Add		2.36	
	For 304 Stainless Steel, Add		10.86	
05 12 23 00-0652	LF 1" Square Bar Stock	.....	7.03	
	For 316 Stainless Steel, Add		15.58	
	For Aluminum, Add		0.88	
	For Galvanized Steel, Add		3.02	
	For 304 Stainless Steel, Add		13.88	
05 12 23 00-0653	LF 1-1/4" Square Bar Stock	.....	11.00	
	For 316 Stainless Steel, Add		24.32	
	For Aluminum, Add		1.37	
	For Galvanized Steel, Add		4.71	
	For 304 Stainless Steel, Add		21.66	
05 12 23 00-0654	LF 1-1/2" Square Bar Stock	.....	15.70	
	For 316 Stainless Steel, Add		35.01	
	For Aluminum, Add		1.97	
	For Galvanized Steel, Add		6.78	
	For 304 Stainless Steel, Add		31.18	
05 12 23 00-0655	LF 1-3/4" Square Bar Stock	.....	23.14	
	For 316 Stainless Steel, Add		48.67	
	For Aluminum, Add		2.74	
	For Galvanized Steel, Add		9.43	
	For 304 Stainless Steel, Add		43.35	
05 12 23 00-0656	LF 2" Square Bar Stock	.....	32.78	
	For 316 Stainless Steel, Add		62.27	
	For Aluminum, Add		3.50	
	For Galvanized Steel, Add		12.07	
	For 304 Stainless Steel, Add		55.46	
<b>05 12 23 00-0657</b>	<b>Steel Tubing</b> (05 12 23 00-0408)			
	Note: General purpose low-carbon steel.			
<b>05 12 23 00-0658</b>	<b>Square Steel Tubing</b> (05 12 23 00-0657)			
<b>05 12 23 00-0659</b>	<b>0.06" Wall Thickness</b> (05 12 23 00-0658)			

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0660	LF 1/2" x 1/2" x 0.06" Square Steel Tubing .....	2.48	0.51
	For >100 To 250, Deduct	-0.05	
	For >250 To 500, Deduct	-0.11	
	For >500 To 1,000, Deduct	-0.19	
	For >1,000, Deduct	-0.27	
	For Galvanized Steel, Add	1.11	
05 12 23 00-0661	LF 3/4" x 3/4" x 0.06" Square Steel Tubing .....	3.79	0.81
	For >100 To 250, Deduct	-0.08	
	For >250 To 500, Deduct	-0.18	
	For >500 To 1,000, Deduct	-0.30	
	For >1,000, Deduct	-0.42	
	For Galvanized Steel, Add	1.69	
05 12 23 00-0662	LF 1" x 1" x 0.06" Square Steel Tubing .....	5.10	1.46
	For >100 To 250, Deduct	-0.11	
	For >250 To 500, Deduct	-0.24	
	For >500 To 1,000, Deduct	-0.40	
	For >1,000, Deduct	-0.57	
	For Galvanized Steel, Add	2.26	
05 12 23 00-0663	LF 1-1/4" x 1-1/4" x 0.06" Square Steel Tubing .....	6.76	1.39
	For >100 To 250, Deduct	-0.14	
	For >250 To 500, Deduct	-0.31	
	For >500 To 1,000, Deduct	-0.52	
	For >1,000, Deduct	-0.74	
	For Galvanized Steel, Add	3.04	
05 12 23 00-0664	LF 1-1/2" x 1-1/2" x 0.06" Square Steel Tubing .....	8.00	1.67
	For >100 To 250, Deduct	-0.17	
	For >250 To 500, Deduct	-0.37	
	For >500 To 1,000, Deduct	-0.62	
	For >1,000, Deduct	-0.88	
	For Galvanized Steel, Add	3.57	
<b>05 12 23 00-0665</b>	<b>0.083" Wall Thickness (05 12 23 00-0658)</b>		
05 12 23 00-0666	LF 3/4" x 3/4" x 0.083" Square Steel Tubing .....	4.42	0.94
	For >100 To 250, Deduct	-0.09	
	For >250 To 500, Deduct	-0.21	
	For >500 To 1,000, Deduct	-0.35	
	For >1,000, Deduct	-0.49	
	For Galvanized Steel, Add	1.96	
05 12 23 00-0667	LF 1" x 1" x 0.083" Square Steel Tubing .....	6.45	1.29
	For >100 To 250, Deduct	-0.13	
	For >250 To 500, Deduct	-0.29	
	For >500 To 1,000, Deduct	-0.49	
	For >1,000, Deduct	-0.70	
	For Galvanized Steel, Add	2.93	
05 12 23 00-0668	LF 1-1/4" x 1-1/4" x 0.083" Square Steel Tubing .....	7.78	1.64
	For >100 To 250, Deduct	-0.17	
	For >250 To 500, Deduct	-0.36	
	For >500 To 1,000, Deduct	-0.61	
	For >1,000, Deduct	-0.86	
	For Galvanized Steel, Add	3.46	
05 12 23 00-0669	LF 1-1/2" x 1-1/2" x 0.083" Square Steel Tubing .....	9.39	2.00
	For >100 To 250, Deduct	-0.20	
	For >250 To 500, Deduct	-0.43	
	For >500 To 1,000, Deduct	-0.74	
	For >1,000, Deduct	-1.04	
	For Galvanized Steel, Add	4.17	
05 12 23 00-0670	LF 2" x 2" x 0.083" Square Steel Tubing .....	12.02	2.66
	For >100 To 250, Deduct	-0.27	
	For >250 To 500, Deduct	-0.57	
	For >500 To 1,000, Deduct	-0.96	
	For >1,000, Deduct	-1.35	
	For Galvanized Steel, Add	5.25	
<b>05 12 23 00-0671</b>	<b>0.12" Wall Thickness (05 12 23 00-0658)</b>		
05 12 23 00-0672	LF 1" x 1" x 0.12" Square Steel Tubing .....	7.10	1.54
	For >100 To 250, Deduct	-0.15	
	For >250 To 500, Deduct	-0.33	
	For >500 To 1,000, Deduct	-0.56	
	For >1,000, Deduct	-0.79	
	For Galvanized Steel, Add	3.12	
05 12 23 00-0673	LF 1-1/4" x 1-1/4" x 0.12" Square Steel Tubing .....	9.13	1.98
	For >100 To 250, Deduct	-0.20	
	For >250 To 500, Deduct	-0.43	
	For >500 To 1,000, Deduct	-0.72	
	For >1,000, Deduct	-1.01	
	For Galvanized Steel, Add	4.03	
05 12 23 00-0674	LF 1-1/2" x 1-1/2" x 0.12" Square Steel Tubing .....	11.22	2.41
	For >100 To 250, Deduct	-0.24	
	For >250 To 500, Deduct	-0.52	
	For >500 To 1,000, Deduct	-0.88	
	For >1,000, Deduct	-1.24	
	For Galvanized Steel, Add	4.96	
05 12 23 00-0675	LF 2" x 2" x 0.12" Square Steel Tubing .....	15.18	3.29
	For >100 To 250, Deduct	-0.33	
	For >250 To 500, Deduct	-0.71	
	For >500 To 1,000, Deduct	-1.20	
	For >1,000, Deduct	-1.69	
	For Galvanized Steel, Add	6.69	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>05 12 23 00-0676</b>	<b>1/8" Wall Thickness</b>	<small>(05 12 23 00-0658)</small>			
05 12 23 00-0677	LF	2" x 2" x 1/8" Square Steel Tubing	.....	13.56	3.42
		<i>For &gt;100 To 250, Deduct</i>		-0.34	
		<i>For &gt;250 To 500, Deduct</i>		-0.68	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.13	
		<i>For &gt;1,000, Deduct</i>		-1.59	
		<i>For Galvanized Steel, Add</i>		5.58	
05 12 23 00-0678	LF	2-1/2" x 2-1/2" x 1/8" Square Steel Tubing	.....	17.92	4.33
		<i>For &gt;100 To 250, Deduct</i>		-0.43	
		<i>For &gt;250 To 500, Deduct</i>		-0.88	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.47	
		<i>For &gt;1,000, Deduct</i>		-2.07	
		<i>For Galvanized Steel, Add</i>		7.53	
05 12 23 00-0679	LF	3" x 3" x 1/8" Square Steel Tubing	.....	20.95	5.23
		<i>For &gt;100 To 250, Deduct</i>		-0.52	
		<i>For &gt;250 To 500, Deduct</i>		-1.05	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.75	
		<i>For &gt;1,000, Deduct</i>		-2.44	
		<i>For Galvanized Steel, Add</i>		8.66	
05 12 23 00-0680	LF	3-1/2" x 3-1/2" x 1/8" Square Steel Tubing	.....	24.27	6.15
		<i>For &gt;100 To 250, Deduct</i>		-0.62	
		<i>For &gt;250 To 500, Deduct</i>		-1.22	
		<i>For &gt;500 To 1,000, Deduct</i>		-2.03	
		<i>For &gt;1,000, Deduct</i>		-2.85	
		<i>For Galvanized Steel, Add</i>		9.96	
05 12 23 00-0681	LF	4" x 4" x 1/8" Square Steel Tubing	.....	26.66	7.06
		<i>For &gt;100 To 250, Deduct</i>		-0.71	
		<i>For &gt;250 To 500, Deduct</i>		-1.37	
		<i>For &gt;500 To 1,000, Deduct</i>		-2.27	
		<i>For &gt;1,000, Deduct</i>		-3.18	
		<i>For Galvanized Steel, Add</i>		10.70	

<b>05 12 23 00-0682</b>	<b>3/16" Wall Thickness</b>	<small>(05 12 23 00-0658)</small>			
05 12 23 00-0683	LF	2" x 2" x 3/16" Square Steel Tubing	.....	15.38	3.85
		<i>For &gt;100 To 250, Deduct</i>		-0.39	
		<i>For &gt;250 To 500, Deduct</i>		-0.77	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.28	
		<i>For &gt;1,000, Deduct</i>		-1.80	
		<i>For Galvanized Steel, Add</i>		6.35	
05 12 23 00-0684	LF	2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	.....	19.90	4.99
		<i>For &gt;100 To 250, Deduct</i>		-0.50	
		<i>For &gt;250 To 500, Deduct</i>		-1.00	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.66	
		<i>For &gt;1,000, Deduct</i>		-2.32	
		<i>For Galvanized Steel, Add</i>		8.22	
05 12 23 00-0685	LF	3" x 3" x 3/16" Square Steel Tubing	.....	24.45	6.13
		<i>For &gt;100 To 250, Deduct</i>		-0.61	
		<i>For &gt;250 To 500, Deduct</i>		-1.22	
		<i>For &gt;500 To 1,000, Deduct</i>		-2.04	
		<i>For &gt;1,000, Deduct</i>		-2.86	
		<i>For Galvanized Steel, Add</i>		10.09	
05 12 23 00-0686	LF	3-1/2" x 3-1/2" x 3/16" Square Steel Tubing	.....	29.01	7.27
		<i>For &gt;100 To 250, Deduct</i>		-0.73	
		<i>For &gt;250 To 500, Deduct</i>		-1.45	
		<i>For &gt;500 To 1,000, Deduct</i>		-2.42	
		<i>For &gt;1,000, Deduct</i>		-3.39	
		<i>For Galvanized Steel, Add</i>		11.98	
05 12 23 00-0687	LF	4" x 4" x 3/16" Square Steel Tubing	.....	33.52	8.40
		<i>For &gt;100 To 250, Deduct</i>		-0.84	
		<i>For &gt;250 To 500, Deduct</i>		-1.68	
		<i>For &gt;500 To 1,000, Deduct</i>		-2.80	
		<i>For &gt;1,000, Deduct</i>		-3.91	
		<i>For Galvanized Steel, Add</i>		13.84	
05 12 23 00-0688	LF	4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	.....	38.09	9.55
		<i>For &gt;100 To 250, Deduct</i>		-0.95	
		<i>For &gt;250 To 500, Deduct</i>		-1.91	
		<i>For &gt;500 To 1,000, Deduct</i>		-3.18	
		<i>For &gt;1,000, Deduct</i>		-4.45	
		<i>For Galvanized Steel, Add</i>		15.72	
05 12 23 00-0689	LF	5" x 5" x 3/16" Square Steel Tubing	.....	42.61	10.68
		<i>For &gt;100 To 250, Deduct</i>		-1.07	
		<i>For &gt;250 To 500, Deduct</i>		-2.13	
		<i>For &gt;500 To 1,000, Deduct</i>		-3.55	
		<i>For &gt;1,000, Deduct</i>		-4.98	
		<i>For Galvanized Steel, Add</i>		17.59	
05 12 23 00-0690	LF	6" x 6" x 3/16" Square Steel Tubing	.....	51.73	12.96
		<i>For &gt;100 To 250, Deduct</i>		-1.30	
		<i>For &gt;250 To 500, Deduct</i>		-2.59	
		<i>For &gt;500 To 1,000, Deduct</i>		-4.32	
		<i>For &gt;1,000, Deduct</i>		-6.04	
		<i>For Galvanized Steel, Add</i>		21.35	

<b>05 12 23 00-0691</b>	<b>1/4" Wall Thickness</b>	<small>(05 12 23 00-0658)</small>			
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## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0692	LF		2" x 2" x 1/4" Square Steel Tubing .....	16.47	3.86
			For >100 To 250, Deduct	-0.39	
			For >250 To 500, Deduct	-0.80	
			For >500 To 1,000, Deduct	-1.34	
			For >1,000, Deduct	-1.88	
			For Galvanized Steel, Add	7.02	
05 12 23 00-0693	LF		2-1/2" x 2-1/2" x 1/4" Square Steel Tubing .....	21.64	5.07
			For >100 To 250, Deduct	-0.51	
			For >250 To 500, Deduct	-1.05	
			For >500 To 1,000, Deduct	-1.76	
			For >1,000, Deduct	-2.47	
			For Galvanized Steel, Add	9.22	
05 12 23 00-0694	LF		3" x 3" x 1/4" Square Steel Tubing .....	26.81	6.29
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-1.30	
			For >500 To 1,000, Deduct	-2.18	
			For >1,000, Deduct	-3.06	
			For Galvanized Steel, Add	11.43	
05 12 23 00-0695	LF		3-1/2" x 3-1/2" x 1/4" Square Steel Tubing .....	31.98	7.50
			For >100 To 250, Deduct	-0.75	
			For >250 To 500, Deduct	-1.55	
			For >500 To 1,000, Deduct	-2.60	
			For >1,000, Deduct	-3.65	
			For Galvanized Steel, Add	13.63	
05 12 23 00-0696	LF		4" x 4" x 1/4" Square Steel Tubing .....	37.16	8.71
			For >100 To 250, Deduct	-0.87	
			For >250 To 500, Deduct	-1.80	
			For >500 To 1,000, Deduct	-3.02	
			For >1,000, Deduct	-4.24	
			For Galvanized Steel, Add	15.83	
05 12 23 00-0697	LF		4-1/2" x 4-1/2" x 1/4" Square Steel Tubing .....	42.34	9.92
			For >100 To 250, Deduct	-0.99	
			For >250 To 500, Deduct	-2.05	
			For >500 To 1,000, Deduct	-3.44	
			For >1,000, Deduct	-4.83	
			For Galvanized Steel, Add	18.04	
05 12 23 00-0698	LF		5" x 5" x 1/4" Square Steel Tubing .....	47.54	11.14
			For >100 To 250, Deduct	-1.12	
			For >250 To 500, Deduct	-2.30	
			For >500 To 1,000, Deduct	-3.86	
			For >1,000, Deduct	-5.42	
			For Galvanized Steel, Add	20.26	
05 12 23 00-0699	LF		6" x 6" x 1/4" Square Steel Tubing .....	57.88	13.57
			For >100 To 250, Deduct	-1.36	
			For >250 To 500, Deduct	-2.80	
			For >500 To 1,000, Deduct	-4.70	
			For >1,000, Deduct	-6.60	
			For Galvanized Steel, Add	24.66	
05 12 23 00-0700			Rectangular Steel Tubing (05 12 23 00-0657)		
05 12 23 00-0701			3/16" Wall Thickness (05 12 23 00-0700)		
05 12 23 00-0702	LF		3" x 2" x 3/16" Square Steel Tubing .....	19.90	4.99
			For >100 To 250, Deduct	-0.50	
			For >250 To 500, Deduct	-1.00	
			For >500 To 1,000, Deduct	-1.66	
			For >1,000, Deduct	-2.32	
			For Galvanized Steel, Add	8.22	
05 12 23 00-0703	LF		4" x 2" x 3/16" Square Steel Tubing .....	24.45	6.13
			For >100 To 250, Deduct	-0.61	
			For >250 To 500, Deduct	-1.22	
			For >500 To 1,000, Deduct	-2.04	
			For >1,000, Deduct	-2.86	
			For Galvanized Steel, Add	10.09	
05 12 23 00-0704	LF		4" x 3" x 3/16" Square Steel Tubing .....	29.01	7.27
			For >100 To 250, Deduct	-0.73	
			For >250 To 500, Deduct	-1.45	
			For >500 To 1,000, Deduct	-2.42	
			For >1,000, Deduct	-3.39	
			For Galvanized Steel, Add	11.98	
05 12 23 00-0705	LF		5" x 2" x 3/16" Square Steel Tubing .....	29.01	7.27
			For >100 To 250, Deduct	-0.73	
			For >250 To 500, Deduct	-1.45	
			For >500 To 1,000, Deduct	-2.42	
			For >1,000, Deduct	-3.39	
			For Galvanized Steel, Add	11.98	
05 12 23 00-0706	LF		5" x 3" x 3/16" Square Steel Tubing .....	33.52	8.40
			For >100 To 250, Deduct	-0.84	
			For >250 To 500, Deduct	-1.68	
			For >500 To 1,000, Deduct	-2.80	
			For >1,000, Deduct	-3.91	
			For Galvanized Steel, Add	13.84	
05 12 23 00-0707	LF		5" x 4" x 3/16" Square Steel Tubing .....	38.09	9.55
			For >100 To 250, Deduct	-0.95	
			For >250 To 500, Deduct	-1.91	
			For >500 To 1,000, Deduct	-3.18	
			For >1,000, Deduct	-4.45	
			For Galvanized Steel, Add	15.72	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0708	LF		6" x 2" x 3/16" Square Steel Tubing .....	33.52	8.40
				For >100 To 250, Deduct	-0.84	
				For >250 To 500, Deduct	-1.68	
				For >500 To 1,000, Deduct	-2.80	
				For >1,000, Deduct	-3.91	
				For Galvanized Steel, Add	13.84	
	05 12 23 00-0709	LF		6" x 3" x 3/16" Square Steel Tubing .....	38.09	9.55
				For >100 To 250, Deduct	-0.95	
				For >250 To 500, Deduct	-1.91	
				For >500 To 1,000, Deduct	-3.18	
				For >1,000, Deduct	-4.45	
				For Galvanized Steel, Add	15.72	
	05 12 23 00-0710	LF		6" x 4" x 3/16" Square Steel Tubing .....	42.61	10.68
				For >100 To 250, Deduct	-1.07	
				For >250 To 500, Deduct	-2.13	
				For >500 To 1,000, Deduct	-3.55	
				For >1,000, Deduct	-4.98	
				For Galvanized Steel, Add	17.59	
	<b>05 12 23 00-0711</b>			<b>1/4" Wall Thickness</b> (05 12 23 00-0700)		
	05 12 23 00-0712	LF		3" x 2" x 1/4" Square Steel Tubing .....	21.64	5.07
				For >100 To 250, Deduct	-0.51	
				For >250 To 500, Deduct	-1.05	
				For >500 To 1,000, Deduct	-1.76	
				For >1,000, Deduct	-2.47	
				For Galvanized Steel, Add	9.22	
	05 12 23 00-0713	LF		4" x 2" x 1/4" Square Steel Tubing .....	26.81	6.29
				For >100 To 250, Deduct	-0.63	
				For >250 To 500, Deduct	-1.30	
				For >500 To 1,000, Deduct	-2.18	
				For >1,000, Deduct	-3.06	
				For Galvanized Steel, Add	11.43	
	05 12 23 00-0714	LF		4" x 3" x 1/4" Square Steel Tubing .....	31.98	7.50
				For >100 To 250, Deduct	-0.75	
				For >250 To 500, Deduct	-1.55	
				For >500 To 1,000, Deduct	-2.60	
				For >1,000, Deduct	-3.65	
				For Galvanized Steel, Add	13.63	
	05 12 23 00-0715	LF		5" x 2" x 1/4" Square Steel Tubing .....	31.98	7.50
				For >100 To 250, Deduct	-0.75	
				For >250 To 500, Deduct	-1.55	
				For >500 To 1,000, Deduct	-2.60	
				For >1,000, Deduct	-3.65	
				For Galvanized Steel, Add	13.63	
	05 12 23 00-0716	LF		5" x 3" x 1/4" Square Steel Tubing .....	37.16	8.71
				For >100 To 250, Deduct	-0.87	
				For >250 To 500, Deduct	-1.80	
				For >500 To 1,000, Deduct	-3.02	
				For >1,000, Deduct	-4.24	
				For Galvanized Steel, Add	15.83	
	05 12 23 00-0717	LF		5" x 4" x 1/4" Square Steel Tubing .....	42.34	9.92
				For >100 To 250, Deduct	-0.99	
				For >250 To 500, Deduct	-2.05	
				For >500 To 1,000, Deduct	-3.44	
				For >1,000, Deduct	-4.83	
				For Galvanized Steel, Add	18.04	
	05 12 23 00-0718	LF		6" x 2" x 1/4" Square Steel Tubing .....	37.16	8.71
				For >100 To 250, Deduct	-0.87	
				For >250 To 500, Deduct	-1.80	
				For >500 To 1,000, Deduct	-3.02	
				For >1,000, Deduct	-4.24	
				For Galvanized Steel, Add	15.83	
	05 12 23 00-0719	LF		6" x 3" x 1/4" Square Steel Tubing .....	42.34	9.92
				For >100 To 250, Deduct	-0.99	
				For >250 To 500, Deduct	-2.05	
				For >500 To 1,000, Deduct	-3.44	
				For >1,000, Deduct	-4.83	
				For Galvanized Steel, Add	18.04	
	05 12 23 00-0720	LF		6" x 4" x 1/4" Square Steel Tubing .....	47.54	11.14
				For >100 To 250, Deduct	-1.12	
				For >250 To 500, Deduct	-2.30	
				For >500 To 1,000, Deduct	-3.86	
				For >1,000, Deduct	-5.42	
				For Galvanized Steel, Add	20.26	
	<b>05 12 23 00-0721</b>			<b>Round Steel Tubing</b> (05 12 23 00-0657)		
	<b>05 12 23 00-0722</b>			<b>0.065" Wall Thickness</b> (05 12 23 00-0721)		
	05 12 23 00-0723	LF		1" Diameter x 0.065" Round Steel Tubing .....	4.41	0.93
				For >100 To 250, Deduct	-0.09	
				For >250 To 500, Deduct	-0.20	
				For >500 To 1,000, Deduct	-0.34	
				For >1,000, Deduct	-0.48	
				For Galvanized Steel, Add	1.97	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0724	LF 1-1/4" Diameter x 0.065" Round Steel Tubing.....	5.59	1.17
	For >100 To 250, Deduct	-0.12	
	For >250 To 500, Deduct	-0.26	
	For >500 To 1,000, Deduct	-0.44	
	For >1,000, Deduct	-0.61	
	For Galvanized Steel, Add	2.50	
05 12 23 00-0725	LF 1-1/2" Diameter x 0.065" Round Steel Tubing.....	6.78	1.42
	For >100 To 250, Deduct	-0.14	
	For >250 To 500, Deduct	-0.31	
	For >500 To 1,000, Deduct	-0.53	
	For >1,000, Deduct	-0.75	
	For Galvanized Steel, Add	3.03	
05 12 23 00-0726	LF 2" Diameter x 0.065" Round Steel Tubing.....	9.13	1.92
	For >100 To 250, Deduct	-0.19	
	For >250 To 500, Deduct	-0.42	
	For >500 To 1,000, Deduct	-0.71	
	For >1,000, Deduct	-1.00	
	For Galvanized Steel, Add	4.08	
05 12 23 00-0727	LF 2-1/2" Diameter x 0.065" Round Steel Tubing.....	11.50	2.41
	For >100 To 250, Deduct	-0.24	
	For >250 To 500, Deduct	-0.53	
	For >500 To 1,000, Deduct	-0.90	
	For >1,000, Deduct	-1.27	
	For Galvanized Steel, Add	5.13	
05 12 23 00-0728	LF 3" Diameter x 0.065" Round Steel Tubing.....	13.85	2.90
	For >100 To 250, Deduct	-0.29	
	For >250 To 500, Deduct	-0.64	
	For >500 To 1,000, Deduct	-1.08	
	For >1,000, Deduct	-1.52	
	For Galvanized Steel, Add	6.19	
05 12 23 00-0729	LF 3-1/2" Diameter x 0.065" Round Steel Tubing.....	16.23	3.41
	For >100 To 250, Deduct	-0.34	
	For >250 To 500, Deduct	-0.75	
	For >500 To 1,000, Deduct	-1.27	
	For >1,000, Deduct	-1.78	
	For Galvanized Steel, Add	7.25	
05 12 23 00-0730	LF 4" Diameter x 0.065" Round Steel Tubing.....	18.59	3.90
	For >100 To 250, Deduct	-0.39	
	For >250 To 500, Deduct	-0.85	
	For >500 To 1,000, Deduct	-1.45	
	For >1,000, Deduct	-2.04	
	For Galvanized Steel, Add	8.30	
<b>05 12 23 00-0731</b>	<b>0.083" Wall Thickness (05 12 23 00-0721)</b>		
05 12 23 00-0732	LF 1" Diameter x 0.083" Round Steel Tubing.....	4.79	1.02
	For >100 To 250, Deduct	-0.10	
	For >250 To 500, Deduct	-0.22	
	For >500 To 1,000, Deduct	-0.37	
	For >1,000, Deduct	-0.53	
	For Galvanized Steel, Add	2.13	
05 12 23 00-0733	LF 1-1/4" Diameter x 0.083" Round Steel Tubing.....	6.10	1.29
	For >100 To 250, Deduct	-0.13	
	For >250 To 500, Deduct	-0.28	
	For >500 To 1,000, Deduct	-0.48	
	For >1,000, Deduct	-0.67	
	For Galvanized Steel, Add	2.72	
05 12 23 00-0734	LF 1-1/2" Diameter x 0.083" Round Steel Tubing.....	7.41	1.57
	For >100 To 250, Deduct	-0.16	
	For >250 To 500, Deduct	-0.34	
	For >500 To 1,000, Deduct	-0.58	
	For >1,000, Deduct	-0.82	
	For Galvanized Steel, Add	3.30	
05 12 23 00-0735	LF 2" Diameter x 0.083" Round Steel Tubing.....	10.02	2.12
	For >100 To 250, Deduct	-0.21	
	For >250 To 500, Deduct	-0.46	
	For >500 To 1,000, Deduct	-0.78	
	For >1,000, Deduct	-1.11	
	For Galvanized Steel, Add	4.46	
05 12 23 00-0736	LF 2-1/2" Diameter x 0.083" Round Steel Tubing.....	12.64	2.67
	For >100 To 250, Deduct	-0.27	
	For >250 To 500, Deduct	-0.58	
	For >500 To 1,000, Deduct	-0.99	
	For >1,000, Deduct	-1.39	
	For Galvanized Steel, Add	5.62	
05 12 23 00-0737	LF 3" Diameter x 0.083" Round Steel Tubing.....	15.25	3.23
	For >100 To 250, Deduct	-0.32	
	For >250 To 500, Deduct	-0.70	
	For >500 To 1,000, Deduct	-1.19	
	For >1,000, Deduct	-1.68	
	For Galvanized Steel, Add	6.78	
05 12 23 00-0738	LF 3-1/2" Diameter x 0.083" Round Steel Tubing.....	17.86	3.78
	For >100 To 250, Deduct	-0.38	
	For >250 To 500, Deduct	-0.82	
	For >500 To 1,000, Deduct	-1.40	
	For >1,000, Deduct	-1.97	
	For Galvanized Steel, Add	7.95	

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0739	LF 4" Diameter x 0.083" Round Steel Tubing.....		20.48	4.34
	For >100 To 250, Deduct		-0.43	
	For >250 To 500, Deduct		-0.95	
	For >500 To 1,000, Deduct		-1.60	
	For >1,000, Deduct		-2.26	
	For Galvanized Steel, Add		9.11	
<b>05 12 23 00-0740</b>	<b>0.125" Wall Thickness</b> (05 12 23 00-0721)			
05 12 23 00-0741	LF 2" Diameter x 0.125" Round Steel Tubing.....		10.63	2.68
	For >100 To 250, Deduct		-0.27	
	For >250 To 500, Deduct		-0.53	
	For >500 To 1,000, Deduct		-0.89	
	For >1,000, Deduct		-1.24	
	For Galvanized Steel, Add		4.38	
05 12 23 00-0742	LF 2-1/2" Diameter x 0.125" Round Steel Tubing.....		13.47	3.40
	For >100 To 250, Deduct		-0.34	
	For >250 To 500, Deduct		-0.68	
	For >500 To 1,000, Deduct		-1.13	
	For >1,000, Deduct		-1.58	
	For Galvanized Steel, Add		5.54	
05 12 23 00-0743	LF 3" Diameter x 0.125" Round Steel Tubing.....		16.30	4.10
	For >100 To 250, Deduct		-0.41	
	For >250 To 500, Deduct		-0.82	
	For >500 To 1,000, Deduct		-1.36	
	For >1,000, Deduct		-1.91	
	For Galvanized Steel, Add		6.71	
05 12 23 00-0744	LF 3-1/2" Diameter x 0.125" Round Steel Tubing.....		19.13	4.82
	For >100 To 250, Deduct		-0.48	
	For >250 To 500, Deduct		-0.96	
	For >500 To 1,000, Deduct		-1.60	
	For >1,000, Deduct		-2.24	
	For Galvanized Steel, Add		7.87	
05 12 23 00-0745	LF 4" Diameter x 0.125" Round Steel Tubing.....		21.97	5.54
	For >100 To 250, Deduct		-0.55	
	For >250 To 500, Deduct		-1.10	
	For >500 To 1,000, Deduct		-1.84	
	For >1,000, Deduct		-2.57	
	For Galvanized Steel, Add		9.05	
<b>05 12 23 00-0746</b>	<b>Flat Steel Bar</b> (05 12 23 00-0408)			
<b>05 12 23 00-0747</b>	<b>1/8" Thick</b> (05 12 23 00-0746)			
05 12 23 00-0748	LF 1/8" Thick x 1" Wide Flat Steel Bar.....		2.97	1.33
	For Galvanized Steel, Add		0.60	
05 12 23 00-0749	LF 1/8" Thick x 2" Wide Flat Steel Bar.....		4.62	2.00
	For Galvanized Steel, Add		1.00	
05 12 23 00-0750	LF 1/8" Thick x 4" Wide Flat Steel Bar.....		7.17	2.81
	For Galvanized Steel, Add		1.82	
05 12 23 00-0751	LF 1/8" Thick x 6" Wide Flat Steel Bar.....		9.71	3.82
	For Galvanized Steel, Add		2.46	
<b>05 12 23 00-0752</b>	<b>3/16" Thick</b> (05 12 23 00-0746)			
05 12 23 00-0753	LF 3/16" Thick x 1" Wide Flat Steel Bar.....		3.96	1.65
	For Galvanized Steel, Add		0.92	
05 12 23 00-0754	LF 3/16" Thick x 2" Wide Flat Steel Bar.....		6.29	2.48
	For Galvanized Steel, Add		1.59	
05 12 23 00-0755	LF 3/16" Thick x 4" Wide Flat Steel Bar.....		8.60	2.85
	For Galvanized Steel, Add		2.67	
05 12 23 00-0756	LF 3/16" Thick x 6" Wide Flat Steel Bar.....		11.90	3.96
	For Galvanized Steel, Add		3.70	
<b>05 12 23 00-0757</b>	<b>1/4" Thick</b> (05 12 23 00-0746)			
05 12 23 00-0758	LF 1/4" Thick x 1" Wide Flat Steel Bar.....		4.08	1.75
	For Galvanized Steel, Add		0.91	
05 12 23 00-0759	LF 1/4" Thick x 2" Wide Flat Steel Bar.....		6.90	2.62
	For Galvanized Steel, Add		1.84	
05 12 23 00-0760	LF 1/4" Thick x 4" Wide Flat Steel Bar.....		10.23	3.00
	For Galvanized Steel, Add		3.55	
05 12 23 00-0761	LF 1/4" Thick x 6" Wide Flat Steel Bar.....		14.79	4.44
	For Galvanized Steel, Add		5.03	
<b>05 12 23 00-0762</b>	<b>3/8" Thick</b> (05 12 23 00-0746)			
05 12 23 00-0763	LF 3/8" Thick x 1" Wide Flat Steel Bar.....		5.25	1.97
	For Galvanized Steel, Add		1.43	
05 12 23 00-0764	LF 3/8" Thick x 2" Wide Flat Steel Bar.....		8.68	2.95
	For Galvanized Steel, Add		2.63	
05 12 23 00-0765	LF 3/8" Thick x 4" Wide Flat Steel Bar.....		13.53	3.37
	For Galvanized Steel, Add		5.25	
05 12 23 00-0766	LF 3/8" Thick x 6" Wide Flat Steel Bar.....		19.42	4.98
	For Galvanized Steel, Add		7.39	
<b>05 12 23 00-0767</b>	<b>1/2" Thick</b> (05 12 23 00-0746)			

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0768	LF		1/2" Thick x 1" Wide Flat Steel Bar ..... <i>For Galvanized Steel, Add</i>	6.20 1.82	2.16
05 12 23 00-0769	LF		1/2" Thick x 2" Wide Flat Steel Bar ..... <i>For Galvanized Steel, Add</i>	10.29 3.35	3.26
05 12 23 00-0770	LF		1/2" Thick x 4" Wide Flat Steel Bar ..... <i>For Galvanized Steel, Add</i>	14.78 5.71	3.70
05 12 23 00-0771	LF		1/2" Thick x 6" Wide Flat Steel Bar ..... <i>For Galvanized Steel, Add</i>	26.62 11.40	5.49
<b>05 12 23 00-0772</b>			<b>Flat Steel Plate</b> <small>(05 12 23 00-0408)</small>		
05 12 23 00-0773	SF		1/8" Thick Flat Steel Plate ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	15.54 22.18 1.25 4.30 19.75	5.74
05 12 23 00-0774	SF		3/16" Thick Flat Steel Plate ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	17.59 27.74 1.56 5.38 24.71	5.94
05 12 23 00-0775	SF		1/4" Thick Flat Steel Plate ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	21.05 35.39 1.99 6.86 31.52	6.66
05 12 23 00-0776	SF		3/8" Thick Flat Steel Plate ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	28.59 55.55 3.12 10.76 49.48	7.49
05 12 23 00-0777	SF		1/2" Thick Flat Steel Plate ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	33.99 69.22 3.89 13.41 61.65	8.23
05 12 23 00-0778	SF		3/4" Thick Flat Steel Plate ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	56.01 129.79 7.30 25.15 115.60	10.20
05 12 23 00-0779	SF		1" Thick Flat Steel Plate ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	74.85 177.73 10.00 34.43 158.29	12.75
<b>05 14 Structural Aluminum Framing</b> <small>(05 10)</small>					
<b>05 14 13 Architecturally-Exposed Structural Aluminum Framing</b> <small>(05 14)</small>					
<b>05 14 13 00-0001</b>			<b>Rolled Or Plate Shapes</b> <small>(05 14 13)</small> Note: 1" through 10" member.		
05 14 13 00-0002	LB		Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members .....	5.92	0.77
05 14 13 00-0003	LB		Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members .....	5.24	0.72
<b>05 14 13 00-0004</b>			<b>Aluminum Extrusions</b> <small>(05 14 13)</small>		
05 14 13 00-0005	LB		Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members .....	10.54	3.18
05 14 13 00-0006	LB		Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members .....	11.06	3.18
<b>05 14 13 00-0007</b>			<b>Aluminum Tubing</b> <small>(05 14 13)</small>		
05 14 13 00-0008	LB		Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members .....	11.73	3.24
05 14 13 00-0009	LF		1" x 1" Aluminum Tubing, 1/8" Wall Thickness .....	13.25	5.23
05 14 13 00-0010	LF		1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness .....	15.29	5.71
05 14 13 00-0011	LF		1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness .....	17.68	6.67
05 14 13 00-0012	LF		2" x 2" Aluminum Tubing, 1/8" Wall Thickness .....	20.10	7.14
05 14 13 00-0013	LF		4" x 4" Aluminum Tubing, 1/4" Wall Thickness .....	44.92	9.04
05 14 13 00-0014	LF		2" x 5" Aluminum Tubing, 1/4" Wall Thickness .....	37.59	8.09
<b>05 14 13 00-0015</b>			<b>Columns</b> <small>(05 14 13)</small> Note: Baked on paint finish, load bearing.		
<b>05 14 13 00-0016</b>			<b>Round Columns</b> <small>(05 14 13 00-0015)</small>		
05 14 13 00-0017	LF		6" Diameter Aluminum Column .....	35.85	6.19
05 14 13 00-0018	LF		8" Diameter Aluminum Column .....	47.66	8.88
05 14 13 00-0019	LF		10" Diameter Aluminum Column .....	57.67	9.99
05 14 13 00-0020	LF		12" Diameter Aluminum Column .....	84.13	10.45
05 14 13 00-0021	LF		15" Diameter Aluminum Column .....	106.72	12.12
05 14 13 00-0022	EA		6" Diameter Aluminum Base And Cap .....	68.81	11.56
05 14 13 00-0023	EA		8" Diameter Aluminum Base And Cap .....	78.37	12.49
05 14 13 00-0024	EA		10" Diameter Aluminum Base And Cap .....	97.92	13.87
05 14 13 00-0025	EA		12" Diameter Aluminum Base And Cap .....	164.46	14.80
05 14 13 00-0026	EA		15" Diameter Aluminum Base And Cap .....	248.41	16.19

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>05 14 13 00-0027</b>	<b>Octagonal Columns</b> <small>(05 14 13 00-0015)</small>		
05 14 13 00-0028	LF 6" Diameter Aluminum Column .....	39.19	6.19
05 14 13 00-0029	LF 8" Diameter Aluminum Column .....	53.63	8.88
05 14 13 00-0030	LF 10" Diameter Aluminum Column .....	65.21	9.99
05 14 13 00-0031	LF 12" Diameter Aluminum Column .....	96.78	10.45
05 14 13 00-0032	LF 15" Diameter Aluminum Column .....	123.23	12.12
05 14 13 00-0033	EA 6" Diameter Aluminum Base And Cap .....	77.95	11.56
05 14 13 00-0034	EA 8" Diameter Aluminum Base And Cap .....	89.05	12.49
05 14 13 00-0035	EA 10" Diameter Aluminum Base And Cap .....	111.96	13.87
05 14 13 00-0036	EA 12" Diameter Aluminum Base And Cap .....	191.42	14.80
05 14 13 00-0037	EA 15" Diameter Aluminum Base And Cap .....	291.61	16.19

<b>05 14 13 00-0038</b>	<b>Fluted Columns</b> <small>(05 14 13 00-0015)</small>		
05 14 13 00-0039	LF 6" Diameter Aluminum Column .....	43.23	6.19
05 14 13 00-0040	LF 8" Diameter Aluminum Column .....	59.00	8.88
05 14 13 00-0041	LF 10" Diameter Aluminum Column .....	72.00	9.99
05 14 13 00-0042	LF 12" Diameter Aluminum Column .....	108.18	10.45
05 14 13 00-0043	LF 15" Diameter Aluminum Column .....	138.09	12.12
05 14 13 00-0044	EA 6" Diameter Aluminum Base And Cap .....	86.17	11.56
05 14 13 00-0045	EA 8" Diameter Aluminum Base And Cap .....	98.66	12.49
05 14 13 00-0046	EA 10" Diameter Aluminum Base And Cap .....	124.59	13.87
05 14 13 00-0047	EA 12" Diameter Aluminum Base And Cap .....	215.70	14.80
05 14 13 00-0048	EA 15" Diameter Aluminum Base And Cap .....	330.50	16.19

<b>05 14 13 00-0049</b>	<b>Square Columns</b> <small>(05 14 13 00-0015)</small>		
05 14 13 00-0050	LF 6" Aluminum Column .....	45.99	6.19
05 14 13 00-0051	LF 8" Aluminum Column .....	62.68	8.88
05 14 13 00-0052	LF 10" Aluminum Column .....	76.64	9.99
05 14 13 00-0053	LF 12" Aluminum Column .....	115.97	10.45
05 14 13 00-0054	LF 15" Aluminum Column .....	148.25	12.12
05 14 13 00-0055	EA 6" Aluminum Base And Cap .....	91.80	11.56
05 14 13 00-0056	EA 8" Aluminum Base And Cap .....	105.23	12.49
05 14 13 00-0057	EA 10" Aluminum Base And Cap .....	133.23	13.87
05 14 13 00-0058	EA 12" Aluminum Base And Cap .....	232.30	14.80
05 14 13 00-0059	EA 15" Aluminum Base And Cap .....	357.09	16.19

<b>05 14 13 00-0060</b>	<b>Ornamental Or Decorative Cap And Bases</b> <small>(05 14 13 00-0015)</small>		
05 14 13 00-0061	EA 8" Corinthian Capital And Base .....	492.83	13.87
05 14 13 00-0062	EA 10" Corinthian Capital And Base .....	723.04	16.19
05 14 13 00-0063	EA 12" Corinthian Capital And Base .....	1,140.08	18.50
05 14 13 00-0064	EA 8" Scamozzi Capital And Base .....	248.36	13.87
05 14 13 00-0065	EA 10" Scamozzi Capital And Base .....	331.50	16.19
05 14 13 00-0066	EA 12" Scamozzi Capital And Base .....	659.50	18.50

**05 15 Wire Rope Assemblies** (05 10)

**05 15 16 Steel Wire Rope Assemblies** (05 15)

<b>05 15 16 00-0001</b>	<b>6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope</b> <small>(05 15 16)</small>		
05 15 16 00-0002	LF 1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	1.11	0.09
	<i>For &gt;500, Deduct</i> .....	-0.19	
05 15 16 00-0003	LF 5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	1.51	0.09
	<i>For &gt;500, Deduct</i> .....	-0.25	
05 15 16 00-0004	LF 3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	1.80	0.19
	<i>For &gt;500, Deduct</i> .....	-0.29	
05 15 16 00-0005	LF 7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	2.19	0.19
	<i>For &gt;500, Deduct</i> .....	-0.34	
05 15 16 00-0006	LF 1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	2.57	0.28
	<i>For &gt;500, Deduct</i> .....	-0.38	
05 15 16 00-0007	LF 9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	3.15	0.38
	<i>For &gt;500, Deduct</i> .....	-0.46	
05 15 16 00-0008	LF 5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	3.77	0.38
	<i>For &gt;500, Deduct</i> .....	-0.55	
05 15 16 00-0009	LF 3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	5.26	0.67
	<i>For &gt;500, Deduct</i> .....	-0.75	
05 15 16 00-0010	LF 7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	7.07	0.76
	<i>For &gt;500, Deduct</i> .....	-1.01	
05 15 16 00-0011	LF 1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	8.85	1.05
	<i>For &gt;500, Deduct</i> .....	-1.23	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 15 Wire Rope Assemblies

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0012	LF		1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	10.94	1.33
			For >500, Deduct	-1.52	
05 15 16 00-0013	LF		1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	13.34	1.61
			For >500, Deduct	-1.85	
05 15 16 00-0014			6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope (05 15 16)		
05 15 16 00-0015	LF		1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.30	0.09
			For >500, Deduct	-0.23	
05 15 16 00-0016	LF		5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.69	0.09
			For >500, Deduct	-0.29	
05 15 16 00-0017	LF		3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.11	0.19
			For >500, Deduct	-0.35	
05 15 16 00-0018	LF		7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.43	0.19
			For >500, Deduct	-0.39	
05 15 16 00-0019	LF		1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.91	0.28
			For >500, Deduct	-0.45	
05 15 16 00-0020	LF		9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.38	0.38
			For >500, Deduct	-0.51	
05 15 16 00-0021	LF		5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.96	0.38
			For >500, Deduct	-0.59	
05 15 16 00-0022	LF		3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.82	0.67
			For >500, Deduct	-0.86	
05 15 16 00-0023	LF		7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	7.48	0.76
			For >500, Deduct	-1.09	
05 15 16 00-0024	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	9.24	1.05
			For >500, Deduct	-1.32	
05 15 16 00-0025	LF		1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	11.83	1.33
			For >500, Deduct	-1.69	
05 15 16 00-0026	LF		1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	14.38	1.61
			For >500, Deduct	-2.06	
05 15 16 00-0027			6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope (05 15 16)		
05 15 16 00-0028	LF		1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	1.04	0.09
			For >500, Deduct	-0.18	
05 15 16 00-0029	LF		5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	1.42	0.09
			For >500, Deduct	-0.23	
05 15 16 00-0030	LF		3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	1.70	0.19
			For >500, Deduct	-0.27	
05 15 16 00-0031	LF		7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.02	0.19
			For >500, Deduct	-0.30	
05 15 16 00-0032	LF		1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.45	0.28
			For >500, Deduct	-0.36	
05 15 16 00-0033	LF		9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	3.10	0.38
			For >500, Deduct	-0.45	
05 15 16 00-0034	LF		5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	3.64	0.38
			For >500, Deduct	-0.52	
05 15 16 00-0035	LF		3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	5.13	0.67
			For >500, Deduct	-0.72	
05 15 16 00-0036	LF		7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	6.34	0.76
			For >500, Deduct	-0.86	
05 15 16 00-0037	LF		1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	8.08	1.05
			For >500, Deduct	-1.08	
05 15 16 00-0038			6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope (05 15 16)		
05 15 16 00-0039	LF		1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.03	0.09
			For >500, Deduct	-0.17	
05 15 16 00-0040	LF		5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.37	0.09
			For >500, Deduct	-0.22	
05 15 16 00-0041	LF		3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.70	0.19
			For >500, Deduct	-0.27	
05 15 16 00-0042	LF		7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.02	0.19
			For >500, Deduct	-0.30	
05 15 16 00-0043	LF		1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.55	0.28
			For >500, Deduct	-0.38	
05 15 16 00-0044	LF		9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.05	0.38
			For >500, Deduct	-0.44	
05 15 16 00-0045	LF		5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.82	0.38
			For >500, Deduct	-0.56	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 15 16 00-0046	LF		3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope ..... <i>For &gt;500, Deduct</i>	5.36 -0.77	0.67
	05 15 16 00-0047	LF		7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope ..... <i>For &gt;500, Deduct</i>	7.02 -1.00	0.76
	05 15 16 00-0048	LF		1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope ..... <i>For &gt;500, Deduct</i>	8.70 -1.21	1.05
<b>05 15 16 00-0049</b>				<b>6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <sup>(05 15 16)</sup></b>		
	05 15 16 00-0050	LF		3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ..... <i>For &gt;500, Deduct</i>	1.92 -0.31	0.19
	05 15 16 00-0051	LF		7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ..... <i>For &gt;500, Deduct</i>	2.27 -0.35	0.19
	05 15 16 00-0052	LF		1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ..... <i>For &gt;500, Deduct</i>	2.68 -0.40	0.28
	05 15 16 00-0053	LF		9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ..... <i>For &gt;500, Deduct</i>	3.59 -0.55	0.38
	05 15 16 00-0054	LF		5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ..... <i>For &gt;500, Deduct</i>	3.98 -0.59	0.38
	05 15 16 00-0055	LF		3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ..... <i>For &gt;500, Deduct</i>	5.47 -0.79	0.67
	05 15 16 00-0056	LF		7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ..... <i>For &gt;500, Deduct</i>	7.05 -1.00	0.76
	05 15 16 00-0057	LF		1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ..... <i>For &gt;500, Deduct</i>	9.28 -1.32	1.05
	05 15 16 00-0058	LF		1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ..... <i>For &gt;500, Deduct</i>	11.26 -1.58	1.33
	05 15 16 00-0059	LF		1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ..... <i>For &gt;500, Deduct</i>	13.61 -1.91	1.61
<b>05 15 16 00-0060</b>				<b>6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <sup>(05 15 16)</sup></b>		
	05 15 16 00-0061	LF		3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ..... <i>For &gt;500, Deduct</i>	1.97 -0.32	0.19
	05 15 16 00-0062	LF		7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ..... <i>For &gt;500, Deduct</i>	2.39 -0.38	0.19
	05 15 16 00-0063	LF		1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ..... <i>For &gt;500, Deduct</i>	2.85 -0.44	0.28
	05 15 16 00-0064	LF		9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ..... <i>For &gt;500, Deduct</i>	3.96 -0.62	0.38
	05 15 16 00-0065	LF		5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ..... <i>For &gt;500, Deduct</i>	4.04 -0.60	0.38
	05 15 16 00-0066	LF		3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ..... <i>For &gt;500, Deduct</i>	5.59 -0.82	0.67
	05 15 16 00-0067	LF		7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ..... <i>For &gt;500, Deduct</i>	7.42 -1.08	0.76
	05 15 16 00-0068	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ..... <i>For &gt;500, Deduct</i>	9.40 -1.34	1.05
<b>05 15 16 00-0069</b>				<b>19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <sup>(05 15 16)</sup></b>		
	05 15 16 00-0070	LF		1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope ..... <i>For &gt;500, Deduct</i>	1.98 -0.36	0.09
	05 15 16 00-0071	LF		5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope ..... <i>For &gt;500, Deduct</i>	2.14 -0.38	0.09
	05 15 16 00-0072	LF		3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope ..... <i>For &gt;500, Deduct</i>	2.54 -0.44	0.19
	05 15 16 00-0073	LF		7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope ..... <i>For &gt;500, Deduct</i>	3.42 -0.58	0.19
	05 15 16 00-0074	LF		1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope ..... <i>For &gt;500, Deduct</i>	3.88 -0.68	0.19

**05 Metals**  
**05 10 Structural Metal Framing**  
**05 15 Wire Rope Assemblies**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 15 16 00-0075	LF 9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	4.56	0.38
	<i>For &gt;500, Deduct</i>	-0.75	
05 15 16 00-0076	LF 5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	5.43	0.38
	<i>For &gt;500, Deduct</i>	-0.88	
05 15 16 00-0077	LF 3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	7.49	0.57
	<i>For &gt;500, Deduct</i>	-1.21	
<b>05 15 16 00-0078</b>	<b>7x7, Galvanized Finish, Aircraft Cable (05 15 16)</b>		
05 15 16 00-0079	LF 1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable.....	0.24	0.07
	<i>For &gt;500, Deduct</i>	-0.03	
05 15 16 00-0080	LF 3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable.....	0.28	0.08
	<i>For &gt;500, Deduct</i>	-0.03	
05 15 16 00-0081	LF 1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable.....	0.32	0.08
	<i>For &gt;500, Deduct</i>	-0.04	
05 15 16 00-0082	LF 5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable.....	0.37	0.09
	<i>For &gt;500, Deduct</i>	-0.04	
05 15 16 00-0083	LF 3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable.....	0.45	0.09
	<i>For &gt;500, Deduct</i>	-0.05	
<b>05 15 16 00-0084</b>	<b>7x19, Galvanized Finish, Aircraft Cable (05 15 16)</b>		
05 15 16 00-0085	LF 1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable.....	0.43	0.08
	<i>For &gt;500, Deduct</i>	-0.06	
05 15 16 00-0086	LF 5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable.....	0.47	0.09
	<i>For &gt;500, Deduct</i>	-0.06	
05 15 16 00-0087	LF 3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable.....	0.54	0.09
	<i>For &gt;500, Deduct</i>	-0.07	
05 15 16 00-0088	LF 1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable.....	0.62	0.09
	<i>For &gt;500, Deduct</i>	-0.09	
05 15 16 00-0089	LF 5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable.....	0.94	0.09
	<i>For &gt;500, Deduct</i>	-0.14	
05 15 16 00-0090	LF 3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable.....	1.26	0.09
	<i>For &gt;500, Deduct</i>	-0.18	
<b>05 15 16 00-0091</b>	<b>Heavy Duty, Galvanized Steel, Wire Rope Thimbles (05 15 16)</b>		
05 15 16 00-0092	EA 1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	11.76	2.85
05 15 16 00-0093	EA 5/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	13.14	2.85
05 15 16 00-0094	EA 3/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	14.68	2.85
05 15 16 00-0095	EA 7/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	18.90	2.85
05 15 16 00-0096	EA 1/2" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	18.92	2.85
05 15 16 00-0097	EA 9/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	18.92	2.85
05 15 16 00-0098	EA 5/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	20.35	2.85
05 15 16 00-0099	EA 3/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	36.75	4.38
05 15 16 00-0100	EA 7/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	43.47	5.32
05 15 16 00-0101	EA 1" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	76.99	8.75
05 15 16 00-0102	EA 1-1/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	110.14	11.90
05 15 16 00-0103	EA 1-1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	110.14	11.90
<b>05 15 16 00-0104</b>	<b>Galvanized Steel, Wire Rope Clips (05 15 16)</b>		
05 15 16 00-0105	EA 1/8" Diameter, Galvanized Steel, Wire Rope Clip.....	13.70	2.85
05 15 16 00-0106	EA 3/16" Diameter, Galvanized Steel, Wire Rope Clip.....	13.96	2.85
05 15 16 00-0107	EA 1/4" Diameter, Galvanized Steel, Wire Rope Clip.....	15.73	2.85
05 15 16 00-0108	EA 5/16" Diameter, Galvanized Steel, Wire Rope Clip.....	16.01	2.85
05 15 16 00-0109	EA 3/8" Diameter, Galvanized Steel, Wire Rope Clip.....	16.41	2.85
05 15 16 00-0110	EA 7/16" Diameter, Galvanized Steel, Wire Rope Clip.....	20.21	2.85
05 15 16 00-0111	EA 1/2" Diameter, Galvanized Steel, Wire Rope Clip.....	20.50	2.85
05 15 16 00-0112	EA 9/16" Diameter, Galvanized Steel, Wire Rope Clip.....	23.29	2.85
05 15 16 00-0113	EA 5/8" Diameter, Galvanized Steel, Wire Rope Clip.....	23.69	2.85
05 15 16 00-0114	EA 3/4" Diameter, Galvanized Steel, Wire Rope Clip.....	32.66	3.80
05 15 16 00-0115	EA 7/8" Diameter, Galvanized Steel, Wire Rope Clip.....	49.08	5.71
05 15 16 00-0116	EA 1" Diameter, Galvanized Steel, Wire Rope Clip.....	53.67	5.71
05 15 16 00-0117	EA 1-1/8" Diameter, Galvanized Steel, Wire Rope Clip.....	63.44	7.61
05 15 16 00-0118	EA 1-1/4" Diameter, Galvanized Steel, Wire Rope Clip.....	92.20	11.42
<b>05 15 16 00-0119</b>	<b>Steel, Open Swage Sockets (05 15 16)</b>		
05 15 16 00-0120	EA 1/4" Diameter, Steel, Open Swage Socket.....	70.52	2.85
05 15 16 00-0121	EA 5/16" Diameter, Steel, Open Swage Socket.....	111.95	2.85
05 15 16 00-0122	EA 3/8" Diameter, Steel, Open Swage Socket.....	115.72	3.80
05 15 16 00-0123	EA 7/16" Diameter, Steel, Open Swage Socket.....	137.92	4.76
05 15 16 00-0124	EA 1/2" Diameter, Steel, Open Swage Socket.....	137.92	4.76
05 15 16 00-0125	EA 9/16" Diameter, Steel, Open Swage Socket.....	203.45	10.47
05 15 16 00-0126	EA 5/8" Diameter, Steel, Open Swage Socket.....	203.45	10.47
05 15 16 00-0127	EA 3/4" Diameter, Steel, Open Swage Socket.....	262.87	19.99
05 15 16 00-0128	EA 7/8" Diameter, Steel, Open Swage Socket.....	354.47	28.55
05 15 16 00-0129	EA 1" Diameter, Steel, Open Swage Socket.....	500.84	43.78
05 15 16 00-0130	EA 1-1/8" Diameter, Steel, Open Swage Socket.....	663.09	68.52
05 15 16 00-0131	EA 1-1/4" Diameter, Steel, Open Swage Socket.....	772.12	78.99

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>05 15 16 00-0132 Steel, Closed Swage Sockets (05 15 16)</b>		
05 15 16 00-0133 EA 1/4" Diameter, Steel, Closed Swage Socket .....	56.95	2.85
05 15 16 00-0134 EA 5/16" Diameter, Steel, Closed Swage Socket .....	76.69	2.85
05 15 16 00-0135 EA 3/8" Diameter, Steel, Closed Swage Socket .....	76.69	2.85
05 15 16 00-0136 EA 7/16" Diameter, Steel, Closed Swage Socket .....	95.81	3.80
05 15 16 00-0137 EA 1/2" Diameter, Steel, Closed Swage Socket .....	96.86	3.80
05 15 16 00-0138 EA 9/16" Diameter, Steel, Closed Swage Socket .....	133.74	6.67
05 15 16 00-0139 EA 5/8" Diameter, Steel, Closed Swage Socket .....	138.28	7.61
05 15 16 00-0140 EA 3/4" Diameter, Steel, Closed Swage Socket .....	172.00	12.37
05 15 16 00-0141 EA 7/8" Diameter, Steel, Closed Swage Socket .....	223.42	18.08
05 15 16 00-0142 EA 1" Diameter, Steel, Closed Swage Socket .....	319.49	24.74
05 15 16 00-0143 EA 1-1/8" Diameter, Steel, Closed Swage Socket .....	397.39	34.26
05 15 16 00-0144 EA 1-1/4" Diameter, Steel, Closed Swage Socket .....	541.96	53.29

<b>05 15 16 00-0145 Galvanized Steel, Open Spelter Sockets (05 15 16)</b>		
05 15 16 00-0146 EA 1/4" Galvanized Steel, Open Spelter Socket .....	117.32	2.85
05 15 16 00-0147 EA 5/16" Galvanized Steel, Open Spelter Socket .....	120.68	2.85
05 15 16 00-0148 EA 3/8" Galvanized Steel, Open Spelter Socket .....	120.68	2.85
05 15 16 00-0149 EA 7/16" Galvanized Steel, Open Spelter Socket .....	135.78	5.71
05 15 16 00-0150 EA 1/2" Galvanized Steel, Open Spelter Socket .....	135.78	5.71
05 15 16 00-0151 EA 9/16" Galvanized Steel, Open Spelter Socket .....	179.14	9.52
05 15 16 00-0152 EA 5/8" Galvanized Steel, Open Spelter Socket .....	179.14	9.52
05 15 16 00-0153 EA 3/4" Galvanized Steel, Open Spelter Socket .....	227.95	14.27
05 15 16 00-0154 EA 7/8" Galvanized Steel, Open Spelter Socket .....	342.08	23.79
05 15 16 00-0155 EA 1" Galvanized Steel, Open Spelter Socket .....	619.01	37.11
05 15 16 00-0156 EA 1-1/8" Galvanized Steel, Open Spelter Socket .....	735.30	59.96
05 15 16 00-0157 EA 1-1/4" Galvanized Steel, Open Spelter Socket .....	993.38	78.99

<b>05 15 16 00-0158 Galvanized Steel, Closed Spelter Sockets (05 15 16)</b>		
05 15 16 00-0159 EA 1/4" Galvanized Steel, Closed Spelter Socket .....	98.54	2.85
05 15 16 00-0160 EA 5/16" Galvanized Steel, Closed Spelter Socket .....	98.96	2.85
05 15 16 00-0161 EA 3/8" Galvanized Steel, Closed Spelter Socket .....	98.96	2.85
05 15 16 00-0162 EA 7/16" Galvanized Steel, Closed Spelter Socket .....	111.65	4.76
05 15 16 00-0163 EA 1/2" Galvanized Steel, Closed Spelter Socket .....	111.65	4.76
05 15 16 00-0164 EA 9/16" Galvanized Steel, Closed Spelter Socket .....	157.24	8.56
05 15 16 00-0165 EA 5/8" Galvanized Steel, Closed Spelter Socket .....	157.24	8.56
05 15 16 00-0166 EA 3/4" Galvanized Steel, Closed Spelter Socket .....	193.99	12.37
05 15 16 00-0167 EA 7/8" Galvanized Steel, Closed Spelter Socket .....	283.58	19.03
05 15 16 00-0168 EA 1" Galvanized Steel, Closed Spelter Socket .....	428.72	29.50
05 15 16 00-0169 EA 1-1/8" Galvanized Steel, Closed Spelter Socket .....	561.57	39.97
05 15 16 00-0170 EA 1-1/4" Galvanized Steel, Closed Spelter Socket .....	708.87	53.29

<b>05 15 16 00-0171 Forged Steel, Jaw And Jaw Turnbuckles (05 15 16)</b>		
05 15 16 00-0172 EA 1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle .....	68.11	2.85
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-8.79	
05 15 16 00-0173 EA 5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle .....	72.98	2.85
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-9.52	
05 15 16 00-0174 EA 3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle .....	82.01	2.85
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-10.87	
05 15 16 00-0175 EA 1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle .....	91.41	3.80
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-11.31	
05 15 16 00-0176 EA 1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle .....	120.18	4.76
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-15.05	
05 15 16 00-0177 EA 1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle .....	136.57	5.71
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-17.05	
05 15 16 00-0178 EA 5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle .....	139.57	7.61
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-16.54	
05 15 16 00-0179 EA 5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle .....	172.27	7.61
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-21.08	
05 15 16 00-0180 EA 5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle .....	195.41	8.56
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-24.21	
05 15 16 00-0181 EA 3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle .....	188.29	10.47
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-22.17	
05 15 16 00-0182 EA 3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle .....	214.70	12.37
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-24.69	
05 15 16 00-0183 EA 3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle .....	264.49	13.32
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-31.52	
05 15 16 00-0184 EA 3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle .....	318.21	16.18
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-37.89	
05 15 16 00-0185 EA 7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle .....	363.57	22.84
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-40.94	
05 15 16 00-0186 EA 7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle .....	440.62	26.65
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-50.23	
05 15 16 00-0187 EA 1" x 6", Forged Steel, Jaw And Jaw Turnbuckle .....	377.38	22.84
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-43.01	
05 15 16 00-0188 EA 1" x 12", Forged Steel, Jaw And Jaw Turnbuckle .....	433.13	29.50
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-47.13	
05 15 16 00-0189 EA 1" x 18", Forged Steel, Jaw And Jaw Turnbuckle .....	592.46	37.11
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-66.91	
05 15 16 00-0190 EA 1" x 24", Forged Steel, Jaw And Jaw Turnbuckle .....	663.32	43.78
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-73.54	
05 15 16 00-0191 EA 1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle .....	740.73	53.29
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-79.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 15 16 00-0192	EA		1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	892.83 -98.24	59.96
05 15 16 00-0193	EA		1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	1,153.38 -132.22	68.52
05 15 16 00-0194	EA		1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	1,142.43 -127.44	73.28
05 15 16 00-0195	EA		1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	1,262.15 -132.22	95.17
05 15 16 00-0196	EA		1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	2,254.73 -266.83	123.71
05 15 16 00-0197	EA		2" x 24", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	3,712.92 -414.18	237.92

**05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts (05 15 16)**

05 15 16 00-0199	EA		1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	14.96	
05 15 16 00-0200	EA		5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	15.03	
05 15 16 00-0201	EA		3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	16.86	
05 15 16 00-0202	EA		7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	20.11	
05 15 16 00-0203	EA		1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	20.02	
05 15 16 00-0204	EA		5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	27.21	
05 15 16 00-0205	EA		3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	32.53	
05 15 16 00-0206	EA		7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	43.79	
05 15 16 00-0207	EA		1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	58.47	
05 15 16 00-0208	EA		1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	84.82	
05 15 16 00-0209	EA		1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	100.84	
05 15 16 00-0210	EA		1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	182.59	
05 15 16 00-0211	EA		1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	209.34	
05 15 16 00-0212	EA		2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	258.73	

**05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts (05 15 16)**

05 15 16 00-0214	EA		1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	19.51	
05 15 16 00-0215	EA		1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	17.67	
05 15 16 00-0216	EA		5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	23.75	
05 15 16 00-0217	EA		5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	16.14	
05 15 16 00-0218	EA		3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	21.58	
05 15 16 00-0219	EA		3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	32.24	
05 15 16 00-0220	EA		3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	31.28	
05 15 16 00-0221	EA		3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	29.75	
05 15 16 00-0222	EA		3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	26.73	
05 15 16 00-0223	EA		3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	27.60	
05 15 16 00-0224	EA		1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	24.50	
05 15 16 00-0225	EA		1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	19.68	
05 15 16 00-0226	EA		1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	25.43	
05 15 16 00-0227	EA		1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	34.51	
05 15 16 00-0228	EA		1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	26.36	
05 15 16 00-0229	EA		1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	42.04	
05 15 16 00-0230	EA		1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	37.10	
05 15 16 00-0231	EA		1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	33.93	
05 15 16 00-0232	EA		1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	39.78	
05 15 16 00-0233	EA		5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	40.40	
05 15 16 00-0234	EA		5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	36.05	
05 15 16 00-0235	EA		5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	45.18	
05 15 16 00-0236	EA		5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	51.70	
05 15 16 00-0237	EA		5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	59.52	
05 15 16 00-0238	EA		5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	49.31	
05 15 16 00-0239	EA		3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	49.24	
05 15 16 00-0240	EA		3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	50.22	
05 15 16 00-0241	EA		3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	55.45	
05 15 16 00-0242	EA		3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	59.76	
05 15 16 00-0243	EA		3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	69.70	
05 15 16 00-0244	EA		1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	92.11	

**05 15 19 Stainless Steel Wire Rope Assemblies (05 15)**
**05 15 19 00-0001 7x7, 304 Stainless Steel, Aircraft Cable (05 15 19)**

05 15 19 00-0002	LF		1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.26	0.07
			For >500, Deduct	-0.03	
05 15 19 00-0003	LF		3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.34	0.08
			For >500, Deduct	-0.04	
05 15 19 00-0004	LF		1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.45	0.08
			For >500, Deduct	-0.06	
05 15 19 00-0005	LF		5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.59	0.09
			For >500, Deduct	-0.09	
05 15 19 00-0006	LF		3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.74	0.09
			For >500, Deduct	-0.11	

**05 15 19 00-0007 7x19, 304 Stainless Steel, Aircraft Cable (05 15 19)**

05 15 19 00-0008	LF		1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.51	0.08
			For >500, Deduct	-0.08	
05 15 19 00-0009	LF		5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.60	0.09
			For >500, Deduct	-0.09	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 15 19 00-0010	LF	3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.70 -0.10	0.09
05 15 19 00-0011	LF	1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.89 -0.15	0.09
05 15 19 00-0012	LF	5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	1.36 -0.22	0.09
05 15 19 00-0013	LF	3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	2.04 -0.33	0.19
<b>05 15 19 00-0014      7x7, 316 Stainless Steel, Aircraft Cable (05 15 19)</b>				
05 15 19 00-0015	LF	1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.26 -0.03	0.07
05 15 19 00-0016	LF	3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.34 -0.04	0.08
05 15 19 00-0017	LF	1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.45 -0.06	0.08
05 15 19 00-0018	LF	5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.59 -0.09	0.09
05 15 19 00-0019	LF	3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.74 -0.11	0.09
<b>05 15 19 00-0020      7x19, 316 Stainless Steel, Aircraft Cable (05 15 19)</b>				
05 15 19 00-0021	LF	1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.51 -0.08	0.08
05 15 19 00-0022	LF	5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.60 -0.09	0.09
05 15 19 00-0023	LF	3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.70 -0.10	0.09
05 15 19 00-0024	LF	1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.89 -0.15	0.09
05 15 19 00-0025	LF	5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	1.36 -0.22	0.09
05 15 19 00-0026	LF	3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	2.04 -0.33	0.09

**05 20 Metal Joists (05)**

Note: Includes all connecting bolts and welds.

**05 21 Steel Joist Framing (05 20)**

**05 21 19 Open Web Steel Joist Framing (05 21)**

**05 21 19 00-0001 Open Web Joists (05 21 19)**

05 21 19 00-0002	TON	H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging ..... <i>For Welded Cross Bridging, Add</i> <i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	2,729.53 209.21 243.86	167.38
05 21 19 00-0003	TON	H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging ..... <i>For Welded Cross Bridging, Add</i> <i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	2,506.89 185.97 226.44	156.92
05 21 19 00-0004	TON	LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging ..... <i>For Welded Cross Bridging, Add</i> <i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	3,035.21 193.12 286.98	156.92
05 21 19 00-0005	TON	DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging ..... <i>For Welded Cross Bridging, Add</i> <i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	3,460.36 193.12 338.00	156.92
05 21 19 00-0006	TON	CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging ..... <i>For Welded Cross Bridging, Add</i> <i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	3,035.72 209.21 280.60	156.92
05 21 19 00-0007	TON	SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging ..... <i>For Welded Cross Bridging, Add</i> <i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	3,832.37 193.12 382.64	156.92

**05 30 Metal Decking (05)**

Note: Includes all connecting bolts and welds.

**05 31 Steel Decking (05 30)**

See CSI section 03 30 00 00-0000 for concrete where required.

**05 31 13 Steel Floor Decking (05 31)**

Note: Floor or roof decking

**05 31 13 00-0001 Open Ribbed Galvanized Steel Deck (05 31 13)**

05 31 13 00-0002	SF	1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck ..... <i>For Painted, Deduct</i> <i>For Perforated Or Slotted, Add</i> <i>For Site Installed Insulation Between Ribs, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;500 To 1,500, Add</i>	3.24 -0.11 0.11 0.89 1.30 0.65 0.27
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## 05 Metals

## 05 30 Metal Decking

## 05 31 Steel Decking

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0003	SF		1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck .....	3.70	
			<i>For Painted, Deduct</i>	-0.12	
			<i>For Perforated Or Slotted, Add</i>	0.12	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.02	
			<i>For Up To 100, Add</i>	1.50	
			<i>For &gt;100 To 500, Add</i>	0.75	
			<i>For &gt;500 To 1,500, Add</i>	0.31	
05 31 13 00-0004	SF		1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck .....	4.62	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.27	
			<i>For Up To 100, Add</i>	1.83	
			<i>For &gt;100 To 500, Add</i>	0.92	
			<i>For &gt;500 To 1,500, Add</i>	0.38	
05 31 13 00-0005	SF		1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck .....	3.57	
			<i>For Painted, Deduct</i>	-0.12	
			<i>For Perforated Or Slotted, Add</i>	0.12	
			<i>For Site Installed Insulation Between Ribs, Add</i>	0.98	
			<i>For Up To 100, Add</i>	1.45	
			<i>For &gt;100 To 500, Add</i>	0.72	
			<i>For &gt;500 To 1,500, Add</i>	0.30	
05 31 13 00-0006	SF		1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck .....	4.10	
			<i>For Painted, Deduct</i>	-0.14	
			<i>For Perforated Or Slotted, Add</i>	0.14	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.13	
			<i>For Up To 100, Add</i>	1.65	
			<i>For &gt;100 To 500, Add</i>	0.82	
			<i>For &gt;500 To 1,500, Add</i>	0.35	
05 31 13 00-0007	SF		1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck .....	5.13	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.41	
			<i>For Up To 100, Add</i>	2.04	
			<i>For &gt;100 To 500, Add</i>	1.02	
			<i>For &gt;500 To 1,500, Add</i>	0.43	
05 31 13 00-0008	SF		2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck .....	3.99	
			<i>For Painted, Deduct</i>	-0.14	
			<i>For Perforated Or Slotted, Add</i>	0.14	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.09	
			<i>For Up To 100, Add</i>	1.54	
			<i>For &gt;100 To 500, Add</i>	0.78	
			<i>For &gt;500 To 1,500, Add</i>	0.32	
05 31 13 00-0009	SF		2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck .....	4.62	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.26	
			<i>For Up To 100, Add</i>	1.77	
			<i>For &gt;100 To 500, Add</i>	0.90	
			<i>For &gt;500 To 1,500, Add</i>	0.36	
05 31 13 00-0010	SF		2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck .....	5.76	
			<i>For Painted, Deduct</i>	-0.20	
			<i>For Perforated Or Slotted, Add</i>	0.20	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.57	
			<i>For Up To 100, Add</i>	2.19	
			<i>For &gt;100 To 500, Add</i>	1.11	
			<i>For &gt;500 To 1,500, Add</i>	0.45	
05 31 13 00-0011	SF		2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck .....	6.92	
			<i>For Painted, Deduct</i>	-0.26	
			<i>For Perforated Or Slotted, Add</i>	0.26	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.86	
			<i>For Up To 100, Add</i>	2.30	
			<i>For &gt;100 To 500, Add</i>	1.23	
			<i>For &gt;500 To 1,500, Add</i>	0.45	
05 31 13 00-0012	SF		3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck .....	4.42	
			<i>For Painted, Deduct</i>	-0.15	
			<i>For Perforated Or Slotted, Add</i>	0.15	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.21	
			<i>For Up To 100, Add</i>	1.65	
			<i>For &gt;100 To 500, Add</i>	0.84	
			<i>For &gt;500 To 1,500, Add</i>	0.34	
05 31 13 00-0013	SF		3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck .....	5.13	
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.39	
			<i>For Up To 100, Add</i>	1.88	
			<i>For &gt;100 To 500, Add</i>	0.97	
			<i>For &gt;500 To 1,500, Add</i>	0.38	
05 31 13 00-0014	SF		3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck .....	6.39	
			<i>For Painted, Deduct</i>	-0.23	
			<i>For Perforated Or Slotted, Add</i>	0.23	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.74	
			<i>For Up To 100, Add</i>	2.33	
			<i>For &gt;100 To 500, Add</i>	1.20	
			<i>For &gt;500 To 1,500, Add</i>	0.47	
05 31 13 00-0015	SF		3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck .....	8.00	
			<i>For Painted, Deduct</i>	-0.29	
			<i>For Perforated Or Slotted, Add</i>	0.29	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.17	
			<i>For Up To 100, Add</i>	2.85	
			<i>For &gt;100 To 500, Add</i>	1.48	
			<i>For &gt;500 To 1,500, Add</i>	0.57	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0016 SF 4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	11.14	
For Painted, Deduct	-0.45	
For Perforated Or Slotted, Add	0.45	
For Site Installed Insulation Between Ribs, Add	2.94	
For Up To 100, Add	2.96	
For >100 To 500, Add	1.73	
For >500 To 1,500, Add	0.51	
05 31 13 00-0017 SF 4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	14.05	
For Painted, Deduct	-0.58	
For Perforated Or Slotted, Add	0.58	
For Site Installed Insulation Between Ribs, Add	3.70	
For Up To 100, Add	3.66	
For >100 To 500, Add	2.16	
For >500 To 1,500, Add	0.63	
05 31 13 00-0018 SF 6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	12.50	
For Painted, Deduct	-0.53	
For Perforated Or Slotted, Add	0.53	
For Site Installed Insulation Between Ribs, Add	3.26	
For Up To 100, Add	2.90	
For >100 To 500, Add	1.80	
For >500 To 1,500, Add	0.46	
05 31 13 00-0019 SF 6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	13.31	
For Painted, Deduct	-0.55	
For Perforated Or Slotted, Add	0.55	
For Site Installed Insulation Between Ribs, Add	3.50	
For Up To 100, Add	3.38	
For >100 To 500, Add	2.02	
For >500 To 1,500, Add	0.57	
05 31 13 00-0020 SF 6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	16.59	
For Painted, Deduct	-0.69	
For Perforated Or Slotted, Add	0.69	
For Site Installed Insulation Between Ribs, Add	4.35	
For Up To 100, Add	4.16	
For >100 To 500, Add	2.49	
For >500 To 1,500, Add	0.70	
05 31 13 00-0021 SF 7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	14.70	
For Painted, Deduct	-0.61	
For Perforated Or Slotted, Add	0.61	
For Site Installed Insulation Between Ribs, Add	3.86	
For Up To 100, Add	3.72	
For >100 To 500, Add	2.22	
For >500 To 1,500, Add	0.63	
05 31 13 00-0022 SF 7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	18.28	
For Painted, Deduct	-0.76	
For Perforated Or Slotted, Add	0.76	
For Site Installed Insulation Between Ribs, Add	4.80	
For Up To 100, Add	4.56	
For >100 To 500, Add	2.74	
For >500 To 1,500, Add	0.76	
<b>05 31 13 00-0023 Cellular Galvanized Steel Deck</b> <small>(05 31 13)</small>		
Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.		
05 31 13 00-0024 SF 1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	9.85	
For Painted, Deduct	-0.40	
For Perforated Or Slotted, Add	0.40	
For Insulated Cells, Add	1.78	
For Site Installed Insulation Between Ribs, Add	2.61	
For Up To 100, Add	2.71	
For >100 To 500, Add	1.56	
For >500 To 1,500, Add	0.48	
05 31 13 00-0025 SF 1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	10.95	
For Painted, Deduct	-0.42	
For Perforated Or Slotted, Add	0.42	
For Insulated Cells, Add	1.89	
For Site Installed Insulation Between Ribs, Add	2.93	
For Up To 100, Add	3.39	
For >100 To 500, Add	1.86	
For >500 To 1,500, Add	0.64	
05 31 13 00-0026 SF 1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	11.91	
For Painted, Deduct	-0.50	
For Perforated Or Slotted, Add	0.50	
For Insulated Cells, Add	2.23	
For Site Installed Insulation Between Ribs, Add	3.13	
For Up To 100, Add	3.00	
For >100 To 500, Add	1.79	
For >500 To 1,500, Add	0.50	
05 31 13 00-0027 SF 1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	13.15	
For Painted, Deduct	-0.52	
For Perforated Or Slotted, Add	0.52	
For Insulated Cells, Add	2.36	
For Site Installed Insulation Between Ribs, Add	3.49	
For Up To 100, Add	3.73	
For >100 To 500, Add	2.12	
For >500 To 1,500, Add	0.67	

**05 Metals****05 30 Metal Decking****05 31 Steel Decking**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 31 13 00-0028	SF 3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	13.75	
	<i>For Painted, Deduct</i>	-0.56	
	<i>For Perforated Or Slotted, Add</i>	0.56	
	<i>For Insulated Cells, Add</i>	2.54	
	<i>For Site Installed Insulation Between Ribs, Add</i>	3.62	
	<i>For Up To 100, Add</i>	3.59	
	<i>For &gt;100 To 500, Add</i>	2.11	
	<i>For &gt;500 To 1,500, Add</i>	0.62	
05 31 13 00-0029	SF 3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	16.34	
	<i>For Painted, Deduct</i>	-0.68	
	<i>For Perforated Or Slotted, Add</i>	0.68	
	<i>For Insulated Cells, Add</i>	3.04	
	<i>For Site Installed Insulation Between Ribs, Add</i>	4.29	
	<i>For Up To 100, Add</i>	4.17	
	<i>For &gt;100 To 500, Add</i>	2.48	
	<i>For &gt;500 To 1,500, Add</i>	0.71	
05 31 13 00-0030	SF 3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	18.27	
	<i>For Painted, Deduct</i>	-0.76	
	<i>For Perforated Or Slotted, Add</i>	0.76	
	<i>For Insulated Cells, Add</i>	3.43	
	<i>For Site Installed Insulation Between Ribs, Add</i>	4.79	
	<i>For Up To 100, Add</i>	4.56	
	<i>For &gt;100 To 500, Add</i>	2.74	
	<i>For &gt;500 To 1,500, Add</i>	0.76	
05 31 13 00-0031	SF 3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	19.91	
	<i>For Painted, Deduct</i>	-0.82	
	<i>For Perforated Or Slotted, Add</i>	0.82	
	<i>For Insulated Cells, Add</i>	3.71	
	<i>For Site Installed Insulation Between Ribs, Add</i>	5.23	
	<i>For Up To 100, Add</i>	5.09	
	<i>For &gt;100 To 500, Add</i>	3.02	
	<i>For &gt;500 To 1,500, Add</i>	0.86	
05 31 13 00-0032	SF 4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	20.55	
	<i>For Painted, Deduct</i>	-0.91	
	<i>For Perforated Or Slotted, Add</i>	0.91	
	<i>For Insulated Cells, Add</i>	4.08	
	<i>For Site Installed Insulation Between Ribs, Add</i>	5.32	
	<i>For Up To 100, Add</i>	4.22	
	<i>For &gt;100 To 500, Add</i>	2.78	
	<i>For &gt;500 To 1,500, Add</i>	0.60	
05 31 13 00-0033	SF 4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	22.03	
	<i>For Painted, Deduct</i>	-0.96	
	<i>For Perforated Or Slotted, Add</i>	0.96	
	<i>For Insulated Cells, Add</i>	4.31	
	<i>For Site Installed Insulation Between Ribs, Add</i>	5.72	
	<i>For Up To 100, Add</i>	4.78	
	<i>For &gt;100 To 500, Add</i>	3.06	
	<i>For &gt;500 To 1,500, Add</i>	0.72	
05 31 13 00-0034	SF 4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	23.31	
	<i>For Painted, Deduct</i>	-1.01	
	<i>For Perforated Or Slotted, Add</i>	1.01	
	<i>For Insulated Cells, Add</i>	4.55	
	<i>For Site Installed Insulation Between Ribs, Add</i>	6.06	
	<i>For Up To 100, Add</i>	5.10	
	<i>For &gt;100 To 500, Add</i>	3.26	
	<i>For &gt;500 To 1,500, Add</i>	0.77	
05 31 13 00-0035	SF 4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	24.88	
	<i>For Painted, Deduct</i>	-1.08	
	<i>For Perforated Or Slotted, Add</i>	1.08	
	<i>For Insulated Cells, Add</i>	4.85	
	<i>For Site Installed Insulation Between Ribs, Add</i>	6.47	
	<i>For Up To 100, Add</i>	5.47	
	<i>For &gt;100 To 500, Add</i>	3.48	
	<i>For &gt;500 To 1,500, Add</i>	0.83	

**05 31 23 Steel Roof Decking** (05 31)

See CSI section 05 31 13 00-0000 for Steel floor or roof decking.

**05 31 33 Steel Form Decking** (05 31)**05 31 33 00-0001 Open Ribbed Galvanized Steel Form Deck** (05 31 33)

05 31 33 00-0002	SF 9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.44	
	<i>For Painted, Deduct</i>	-0.08	
	<i>For Perforated Or Slotted, Add</i>	0.08	
	<i>For Up To 100, Add</i>	0.96	
	<i>For &gt;100 To 500, Add</i>	0.48	
	<i>For &gt;500 To 1,500, Add</i>	0.20	
05 31 33 00-0003	SF 9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.60	
	<i>For Painted, Deduct</i>	-0.09	
	<i>For Perforated Or Slotted, Add</i>	0.09	
	<i>For Up To 100, Add</i>	1.03	
	<i>For &gt;100 To 500, Add</i>	0.52	
	<i>For &gt;500 To 1,500, Add</i>	0.21	
05 31 33 00-0004	SF 9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.88	
	<i>For Painted, Deduct</i>	-0.09	
	<i>For Perforated Or Slotted, Add</i>	0.09	
	<i>For Up To 100, Add</i>	1.18	
	<i>For &gt;100 To 500, Add</i>	0.59	
	<i>For &gt;500 To 1,500, Add</i>	0.25	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 33 00-0005	SF		9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.11	
			<i>For Painted, Deduct</i>	-0.10	
			<i>For Perforated Or Slotted, Add</i>	0.10	
			<i>For Up To 100, Add</i>	1.32	
			<i>For &gt;100 To 500, Add</i>	0.65	
			<i>For &gt;500 To 1,500, Add</i>	0.28	
05 31 33 00-0006	SF		15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.94	
			<i>For Painted, Deduct</i>	-0.10	
			<i>For Perforated Or Slotted, Add</i>	0.10	
			<i>For Up To 100, Add</i>	1.06	
			<i>For &gt;100 To 500, Add</i>	0.55	
			<i>For &gt;500 To 1,500, Add</i>	0.21	
05 31 33 00-0007	SF		15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.09	
			<i>For Painted, Deduct</i>	-0.11	
			<i>For Perforated Or Slotted, Add</i>	0.11	
			<i>For Up To 100, Add</i>	1.12	
			<i>For &gt;100 To 500, Add</i>	0.58	
			<i>For &gt;500 To 1,500, Add</i>	0.23	
05 31 33 00-0008	SF		15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.26	
			<i>For Painted, Deduct</i>	-0.11	
			<i>For Perforated Or Slotted, Add</i>	0.11	
			<i>For Up To 100, Add</i>	1.22	
			<i>For &gt;100 To 500, Add</i>	0.62	
			<i>For &gt;500 To 1,500, Add</i>	0.25	
05 31 33 00-0009	SF		15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.47	
			<i>For Painted, Deduct</i>	-0.12	
			<i>For Perforated Or Slotted, Add</i>	0.12	
			<i>For Up To 100, Add</i>	1.36	
			<i>For &gt;100 To 500, Add</i>	0.68	
			<i>For &gt;500 To 1,500, Add</i>	0.28	
05 31 33 00-0010	SF		1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.66	
			<i>For Painted, Deduct</i>	-0.13	
			<i>For Perforated Or Slotted, Add</i>	0.13	
			<i>For Up To 100, Add</i>	1.41	
			<i>For &gt;100 To 500, Add</i>	0.71	
			<i>For &gt;500 To 1,500, Add</i>	0.29	
05 31 33 00-0011	SF		1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.99	
			<i>For Painted, Deduct</i>	-0.14	
			<i>For Perforated Or Slotted, Add</i>	0.14	
			<i>For Up To 100, Add</i>	1.49	
			<i>For &gt;100 To 500, Add</i>	0.76	
			<i>For &gt;500 To 1,500, Add</i>	0.30	
05 31 33 00-0012	SF		1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.57	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Up To 100, Add</i>	1.62	
			<i>For &gt;100 To 500, Add</i>	0.84	
			<i>For &gt;500 To 1,500, Add</i>	0.32	
05 31 33 00-0013	SF		1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck.....	5.06	
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Up To 100, Add</i>	1.83	
			<i>For &gt;100 To 500, Add</i>	0.95	
			<i>For &gt;500 To 1,500, Add</i>	0.37	

05 36 Composite Metal Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete.

05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002	SF		1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.69	
			<i>For Painted, Deduct</i>	-0.13	
			<i>For Perforated Or Slotted, Add</i>	0.13	
			<i>For Up To 100, Add</i>	1.41	
			<i>For &gt;100 To 500, Add</i>	0.72	
			<i>For &gt;500 To 1,500, Add</i>	0.29	
05 36 00 00-0003	SF		1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.94	
			<i>For Painted, Deduct</i>	-0.13	
			<i>For Perforated Or Slotted, Add</i>	0.13	
			<i>For Up To 100, Add</i>	1.56	
			<i>For &gt;100 To 500, Add</i>	0.78	
			<i>For &gt;500 To 1,500, Add</i>	0.32	
05 36 00 00-0004	SF		1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.42	
			<i>For Painted, Deduct</i>	-0.14	
			<i>For Perforated Or Slotted, Add</i>	0.14	
			<i>For Up To 100, Add</i>	1.89	
			<i>For &gt;100 To 500, Add</i>	0.93	
			<i>For &gt;500 To 1,500, Add</i>	0.40	
05 36 00 00-0005	SF		1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.82	
			<i>For Painted, Deduct</i>	-0.15	
			<i>For Perforated Or Slotted, Add</i>	0.15	
			<i>For Up To 100, Add</i>	2.21	
			<i>For &gt;100 To 500, Add</i>	1.06	
			<i>For &gt;500 To 1,500, Add</i>	0.48	
05 36 00 00-0006	SF		2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.94	
			<i>For Painted, Deduct</i>	-0.13	
			<i>For Perforated Or Slotted, Add</i>	0.13	
			<i>For Up To 100, Add</i>	1.56	
			<i>For &gt;100 To 500, Add</i>	0.78	
			<i>For &gt;500 To 1,500, Add</i>	0.32	

## 05 Metals

## 05 30 Metal Decking

## 05 36 Composite Metal Decking

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 36 00 00-0007	SF 2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck .....	4.27
	<i>For Painted, Deduct</i>	-0.14
	<i>For Perforated Or Slotted, Add</i>	0.14
	<i>For Up To 100, Add</i>	1.71
	<i>For &gt;100 To 500, Add</i>	0.86
	<i>For &gt;500 To 1,500, Add</i>	0.36
05 36 00 00-0008	SF 2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck .....	4.73
	<i>For Painted, Deduct</i>	-0.15
	<i>For Perforated Or Slotted, Add</i>	0.15
	<i>For Up To 100, Add</i>	2.04
	<i>For &gt;100 To 500, Add</i>	1.00
	<i>For &gt;500 To 1,500, Add</i>	0.44
05 36 00 00-0009	SF 2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck .....	5.16
	<i>For Painted, Deduct</i>	-0.16
	<i>For Perforated Or Slotted, Add</i>	0.16
	<i>For Up To 100, Add</i>	2.36
	<i>For &gt;100 To 500, Add</i>	1.13
	<i>For &gt;500 To 1,500, Add</i>	0.51
05 36 00 00-0010	SF 3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck .....	4.15
	<i>For Painted, Deduct</i>	-0.14
	<i>For Perforated Or Slotted, Add</i>	0.14
	<i>For Up To 100, Add</i>	1.62
	<i>For &gt;100 To 500, Add</i>	0.82
	<i>For &gt;500 To 1,500, Add</i>	0.34
05 36 00 00-0011	SF 3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck .....	4.45
	<i>For Painted, Deduct</i>	-0.15
	<i>For Perforated Or Slotted, Add</i>	0.15
	<i>For Up To 100, Add</i>	1.81
	<i>For &gt;100 To 500, Add</i>	0.90
	<i>For &gt;500 To 1,500, Add</i>	0.38
05 36 00 00-0012	SF 3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck .....	4.99
	<i>For Painted, Deduct</i>	-0.16
	<i>For Perforated Or Slotted, Add</i>	0.16
	<i>For Up To 100, Add</i>	2.19
	<i>For &gt;100 To 500, Add</i>	1.06
	<i>For &gt;500 To 1,500, Add</i>	0.47
05 36 00 00-0013	SF 3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck .....	5.56
	<i>For Painted, Deduct</i>	-0.17
	<i>For Perforated Or Slotted, Add</i>	0.17
	<i>For Up To 100, Add</i>	2.57
	<i>For &gt;100 To 500, Add</i>	1.23
	<i>For &gt;500 To 1,500, Add</i>	0.56

05 36 00 00-0014 Composite Cellular Galvanized Steel Deck (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.  
Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.

05 36 00 00-0015	SF 1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck .....	6.78
	<i>For Painted, Deduct</i>	-0.23
	<i>For Perforated Or Slotted, Add</i>	0.23
	<i>For Insulated Cells, Add</i>	1.05
	<i>For Up To 100, Add</i>	2.58
	<i>For &gt;100 To 500, Add</i>	1.31
	<i>For &gt;500 To 1,500, Add</i>	0.53
05 36 00 00-0016	SF 1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck .....	7.24
	<i>For Painted, Deduct</i>	-0.25
	<i>For Perforated Or Slotted, Add</i>	0.25
	<i>For Insulated Cells, Add</i>	1.10
	<i>For Up To 100, Add</i>	2.82
	<i>For &gt;100 To 500, Add</i>	1.42
	<i>For &gt;500 To 1,500, Add</i>	0.58
05 36 00 00-0017	SF 1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck .....	7.32
	<i>For Painted, Deduct</i>	-0.25
	<i>For Perforated Or Slotted, Add</i>	0.25
	<i>For Insulated Cells, Add</i>	1.10
	<i>For Up To 100, Add</i>	2.90
	<i>For &gt;100 To 500, Add</i>	1.46
	<i>For &gt;500 To 1,500, Add</i>	0.60
05 36 00 00-0018	SF 1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck .....	7.77
	<i>For Painted, Deduct</i>	-0.25
	<i>For Perforated Or Slotted, Add</i>	0.25
	<i>For Insulated Cells, Add</i>	1.15
	<i>For Up To 100, Add</i>	3.19
	<i>For &gt;100 To 500, Add</i>	1.58
	<i>For &gt;500 To 1,500, Add</i>	0.67
05 36 00 00-0019	SF 1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck .....	8.34
	<i>For Painted, Deduct</i>	-0.27
	<i>For Perforated Or Slotted, Add</i>	0.27
	<i>For Insulated Cells, Add</i>	1.22
	<i>For Up To 100, Add</i>	3.45
	<i>For &gt;100 To 500, Add</i>	1.71
	<i>For &gt;500 To 1,500, Add</i>	0.73
05 36 00 00-0020	SF 1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck .....	8.43
	<i>For Painted, Deduct</i>	-0.27
	<i>For Perforated Or Slotted, Add</i>	0.27
	<i>For Insulated Cells, Add</i>	1.22
	<i>For Up To 100, Add</i>	3.54
	<i>For &gt;100 To 500, Add</i>	1.74
	<i>For &gt;500 To 1,500, Add</i>	0.75

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0021	SF	1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck .....	8.87	
		<i>For Painted, Deduct</i>	-0.28	
		<i>For Perforated Or Slotted, Add</i>	0.28	
		<i>For Insulated Cells, Add</i>	1.26	
		<i>For Up To 100, Add</i>	3.82	
		<i>For &gt;100 To 500, Add</i>	1.87	
		<i>For &gt;500 To 1,500, Add</i>	0.82	
05 36 00 00-0022	SF	2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck .....	7.00	
		<i>For Painted, Deduct</i>	-0.24	
		<i>For Perforated Or Slotted, Add</i>	0.24	
		<i>For Insulated Cells, Add</i>	1.07	
		<i>For Up To 100, Add</i>	2.72	
		<i>For &gt;100 To 500, Add</i>	1.37	
		<i>For &gt;500 To 1,500, Add</i>	0.56	
05 36 00 00-0023	SF	2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck .....	7.38	
		<i>For Painted, Deduct</i>	-0.25	
		<i>For Perforated Or Slotted, Add</i>	0.25	
		<i>For Insulated Cells, Add</i>	1.12	
		<i>For Up To 100, Add</i>	2.91	
		<i>For &gt;100 To 500, Add</i>	1.46	
		<i>For &gt;500 To 1,500, Add</i>	0.60	
05 36 00 00-0024	SF	2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck .....	7.47	
		<i>For Painted, Deduct</i>	-0.25	
		<i>For Perforated Or Slotted, Add</i>	0.25	
		<i>For Insulated Cells, Add</i>	1.12	
		<i>For Up To 100, Add</i>	3.00	
		<i>For &gt;100 To 500, Add</i>	1.50	
		<i>For &gt;500 To 1,500, Add</i>	0.63	
05 36 00 00-0025	SF	2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck .....	8.02	
		<i>For Painted, Deduct</i>	-0.26	
		<i>For Perforated Or Slotted, Add</i>	0.26	
		<i>For Insulated Cells, Add</i>	1.18	
		<i>For Up To 100, Add</i>	3.30	
		<i>For &gt;100 To 500, Add</i>	1.64	
		<i>For &gt;500 To 1,500, Add</i>	0.70	
05 36 00 00-0026	SF	2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck .....	8.49	
		<i>For Painted, Deduct</i>	-0.27	
		<i>For Perforated Or Slotted, Add</i>	0.27	
		<i>For Insulated Cells, Add</i>	1.24	
		<i>For Up To 100, Add</i>	3.55	
		<i>For &gt;100 To 500, Add</i>	1.75	
		<i>For &gt;500 To 1,500, Add</i>	0.75	
05 36 00 00-0027	SF	2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck .....	8.62	
		<i>For Painted, Deduct</i>	-0.27	
		<i>For Perforated Or Slotted, Add</i>	0.27	
		<i>For Insulated Cells, Add</i>	1.24	
		<i>For Up To 100, Add</i>	3.68	
		<i>For &gt;100 To 500, Add</i>	1.80	
		<i>For &gt;500 To 1,500, Add</i>	0.78	
05 36 00 00-0028	SF	2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck .....	9.09	
		<i>For Painted, Deduct</i>	-0.29	
		<i>For Perforated Or Slotted, Add</i>	0.29	
		<i>For Insulated Cells, Add</i>	1.29	
		<i>For Up To 100, Add</i>	3.93	
		<i>For &gt;100 To 500, Add</i>	1.92	
		<i>For &gt;500 To 1,500, Add</i>	0.84	
05 36 00 00-0029	SF	3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck .....	7.03	
		<i>For Painted, Deduct</i>	-0.24	
		<i>For Perforated Or Slotted, Add</i>	0.24	
		<i>For Insulated Cells, Add</i>	1.08	
		<i>For Up To 100, Add</i>	2.72	
		<i>For &gt;100 To 500, Add</i>	1.38	
		<i>For &gt;500 To 1,500, Add</i>	0.56	
05 36 00 00-0030	SF	3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck .....	7.43	
		<i>For Painted, Deduct</i>	-0.25	
		<i>For Perforated Or Slotted, Add</i>	0.25	
		<i>For Insulated Cells, Add</i>	1.12	
		<i>For Up To 100, Add</i>	2.96	
		<i>For &gt;100 To 500, Add</i>	1.48	
		<i>For &gt;500 To 1,500, Add</i>	0.62	
05 36 00 00-0031	SF	3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck .....	7.56	
		<i>For Painted, Deduct</i>	-0.25	
		<i>For Perforated Or Slotted, Add</i>	0.25	
		<i>For Insulated Cells, Add</i>	1.12	
		<i>For Up To 100, Add</i>	3.09	
		<i>For &gt;100 To 500, Add</i>	1.53	
		<i>For &gt;500 To 1,500, Add</i>	0.65	
05 36 00 00-0032	SF	3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck .....	8.10	
		<i>For Painted, Deduct</i>	-0.26	
		<i>For Perforated Or Slotted, Add</i>	0.26	
		<i>For Insulated Cells, Add</i>	1.19	
		<i>For Up To 100, Add</i>	3.35	
		<i>For &gt;100 To 500, Add</i>	1.66	
		<i>For &gt;500 To 1,500, Add</i>	0.71	
05 36 00 00-0033	SF	3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck .....	8.62	
		<i>For Painted, Deduct</i>	-0.28	
		<i>For Perforated Or Slotted, Add</i>	0.28	
		<i>For Insulated Cells, Add</i>	1.26	
		<i>For Up To 100, Add</i>	3.60	
		<i>For &gt;100 To 500, Add</i>	1.77	
		<i>For &gt;500 To 1,500, Add</i>	0.76	

**05 Metals****05 30 Metal Decking****05 36 Composite Metal Decking**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 36 00 00-0034	SF	3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck .....	8.80	
		<i>For Painted, Deduct</i>	-0.28	
		<i>For Perforated Or Slotted, Add</i>	0.28	
		<i>For Insulated Cells, Add</i>	1.26	
		<i>For Up To 100, Add</i>	3.78	
		<i>For &gt;100 To 500, Add</i>	1.85	
		<i>For &gt;500 To 1,500, Add</i>	0.81	
05 36 00 00-0035	SF	3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck .....	9.17	
		<i>For Painted, Deduct</i>	-0.29	
		<i>For Perforated Or Slotted, Add</i>	0.29	
		<i>For Insulated Cells, Add</i>	1.29	
		<i>For Up To 100, Add</i>	4.01	
		<i>For &gt;100 To 500, Add</i>	1.95	
		<i>For &gt;500 To 1,500, Add</i>	0.86	

**05 36 00 00-0036 Non-Cellular, Composite Deck, Galvanized** (05 36)

05 36 00 00-0037	SF	1" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular .....	5.19	
05 36 00 00-0038	SF	1" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular .....	4.26	
05 36 00 00-0039	SF	1" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular .....	3.55	
05 36 00 00-0040	SF	1" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular .....	3.05	
05 36 00 00-0041	SF	1-1/2" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular .....	5.72	
05 36 00 00-0042	SF	1-1/2" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular .....	4.65	
05 36 00 00-0043	SF	1-1/2" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular .....	3.85	
05 36 00 00-0044	SF	1-1/2" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular .....	3.33	
05 36 00 00-0045	SF	3" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular .....	6.60	
05 36 00 00-0046	SF	3" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular .....	5.28	
05 36 00 00-0047	SF	3" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular .....	4.43	
05 36 00 00-0048	SF	3" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular .....	4.00	

**05 40 Cold-Formed Metal Framing** (05)

Note: Includes all connecting bolts and welds.

**05 41 Structural Metal Stud Framing** (05 40)

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

**05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners** (05 41)

05 41 00 00-0002	SF	2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	5.86	0.89
		<i>For Walls &gt;10' High, Add</i>	1.17	
		<i>For Curved Wall, Add</i>	0.62	
		<i>For Up To 200, Add</i>	1.59	
		<i>For &gt;200 To 500, Add</i>	0.79	
		<i>For 12" On Center, Add</i>	1.07	
		<i>For 24" On Center, Deduct</i>	-1.07	
05 41 00 00-0003	SF	3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	6.63	0.89
		<i>For Walls &gt;10' High, Add</i>	1.33	
		<i>For Curved Wall, Add</i>	0.65	
		<i>For Up To 200, Add</i>	1.76	
		<i>For &gt;200 To 500, Add</i>	0.88	
		<i>For 12" On Center, Add</i>	1.22	
		<i>For 24" On Center, Deduct</i>	-1.22	
05 41 00 00-0004	SF	4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	6.91	0.89
		<i>For Walls &gt;10' High, Add</i>	1.38	
		<i>For Curved Wall, Add</i>	0.68	
		<i>For Up To 200, Add</i>	1.83	
		<i>For &gt;200 To 500, Add</i>	0.92	
		<i>For 12" On Center, Add</i>	1.27	
		<i>For 24" On Center, Deduct</i>	-1.27	
05 41 00 00-0005	SF	6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	9.10	0.99
		<i>For Walls &gt;10' High, Add</i>	1.82	
		<i>For Curved Wall, Add</i>	0.71	
		<i>For Up To 200, Add</i>	2.29	
		<i>For &gt;200 To 500, Add</i>	1.15	
		<i>For 12" On Center, Add</i>	1.70	
		<i>For 24" On Center, Deduct</i>	-1.70	
05 41 00 00-0006	SF	8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	10.27	1.09
		<i>For Walls &gt;10' High, Add</i>	2.05	
		<i>For Curved Wall, Add</i>	0.74	
		<i>For Up To 200, Add</i>	2.55	
		<i>For &gt;200 To 500, Add</i>	1.27	
		<i>For 12" On Center, Add</i>	1.93	
		<i>For 24" On Center, Deduct</i>	-1.93	

**05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners** (05 41)

05 41 00 00-0008	SF	2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	6.33	0.89
		<i>For Walls &gt;10' High, Add</i>	1.27	
		<i>For Curved Wall, Add</i>	0.65	
		<i>For Up To 200, Add</i>	1.70	
		<i>For &gt;200 To 500, Add</i>	0.85	
		<i>For 12" On Center, Add</i>	1.16	
		<i>For 24" On Center, Deduct</i>	-1.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 41 00 00-0009	SF	3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	7.45	0.90
		For Walls >10' High, Add	1.49	
		For Curved Wall, Add	0.68	
		For Up To 200, Add	1.95	
		For >200 To 500, Add	0.97	
		For 12" On Center, Add	1.38	
		For 24" On Center, Deduct	-1.38	
05 41 00 00-0010	SF	4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	7.89	0.90
		For Walls >10' High, Add	1.58	
		For Curved Wall, Add	0.71	
		For Up To 200, Add	2.05	
		For >200 To 500, Add	1.03	
		For 12" On Center, Add	1.46	
		For 24" On Center, Deduct	-1.46	
05 41 00 00-0011	SF	6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	10.28	1.09
		For Walls >10' High, Add	2.06	
		For Curved Wall, Add	0.75	
		For Up To 200, Add	2.55	
		For >200 To 500, Add	1.28	
		For 12" On Center, Add	1.93	
		For 24" On Center, Deduct	-1.93	
05 41 00 00-0012	SF	8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	11.41	1.19
		For Walls >10' High, Add	2.28	
		For Curved Wall, Add	0.79	
		For Up To 200, Add	2.81	
		For >200 To 500, Add	1.40	
		For 12" On Center, Add	2.15	
		For 24" On Center, Deduct	-2.15	

**05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners** (05 41)

05 41 00 00-0014	SF	3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	8.86	1.23
		For Walls >10' High, Add	1.77	
		For Curved Wall, Add	0.82	
		For Up To 200, Add	2.32	
		For >200 To 500, Add	1.16	
		For 12" On Center, Add	1.64	
		For 24" On Center, Deduct	-1.64	
05 41 00 00-0015	SF	4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	9.12	1.25
		For Walls >10' High, Add	1.82	
		For Curved Wall, Add	0.84	
		For Up To 200, Add	2.38	
		For >200 To 500, Add	1.19	
		For 12" On Center, Add	1.68	
		For 24" On Center, Deduct	-1.68	
05 41 00 00-0016	SF	6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	11.78	1.32
		For Walls >10' High, Add	2.36	
		For Curved Wall, Add	0.88	
		For Up To 200, Add	2.94	
		For >200 To 500, Add	1.47	
		For 12" On Center, Add	2.21	
		For 24" On Center, Deduct	-2.21	
05 41 00 00-0017	SF	8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	13.03	1.38
		For Walls >10' High, Add	2.61	
		For Curved Wall, Add	0.92	
		For Up To 200, Add	3.22	
		For >200 To 500, Add	1.61	
		For 12" On Center, Add	2.45	
		For 24" On Center, Deduct	-2.45	

**05 42 Cold-Formed Metal Joist Framing** (05 40)

**05 42 13 Cold-Formed Metal Floor Joist Framing** (05 42)

Note: Floor or roof joist framing

**05 42 13 00-0001 Steel Joists, 20 Gauge** (05 42 13)

05 42 13 00-0002	LF	5-1/2" - 20 Gauge Steel Joists .....	13.02	2.12
05 42 13 00-0003	LF	6" - 20 Gauge Steel Joists .....	13.93	2.67
05 42 13 00-0004	LF	7-1/4" - 20 Gauge Steel Joists .....	15.11	2.92
05 42 13 00-0005	LF	8" - 20 Gauge Steel Joists .....	17.12	3.11

**05 42 13 00-0006 Steel Joists, 18 Gauge** (05 42 13)

05 42 13 00-0007	LF	5-1/2" - 18 Gauge Steel Joists .....	14.53	2.35
05 42 13 00-0008	LF	6" - 18 Gauge Steel Joists .....	15.58	2.96
05 42 13 00-0009	LF	7-1/4" - 18 Gauge Steel Joists .....	16.96	3.24
05 42 13 00-0010	LF	8" - 18 Gauge Steel Joists .....	17.38	3.45

**05 42 13 00-0011 Steel Joists, 16 Gauge** (05 42 13)

05 42 13 00-0012	LF	7-1/4" - 16 Gauge Steel Joists .....	18.55	3.27
05 42 13 00-0013	LF	8" - 16 Gauge Steel Joists .....	19.61	3.45

**05 42 13 00-0014 Steel Joists, 14 Gauge** (05 42 13)

05 42 13 00-0015	LF	9-1/4" - 14 Gauge Steel Joists .....	22.48	3.45
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**05 Metals****05 40 Cold-Formed Metal Framing****05 42 Cold-Formed Metal Joist Framing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 42 13 00-0016	LF	11-1/2" - 14 Gauge Steel Joists .....		24.53	3.64
<b>05 42 13 00-0017</b>		<b>Steel Joists, 12 Gauge</b> <small>(05 42 13)</small>			
05 42 13 00-0018	LF	9-1/4" - 12 Gauge Steel Joists .....		27.06	3.79
05 42 13 00-0019	LF	11-1/2" - 12 Gauge Steel Joists .....		29.73	4.00
<b>05 42 13 00-0020</b>		<b>Steel Joists, 10 Gauge</b> <small>(05 42 13)</small>			
05 42 13 00-0021	LF	9-1/4" - 10 Gauge Steel Joists .....		31.69	4.17
05 42 13 00-0022	LF	11-1/2" - 10 Gauge Steel Joists .....		34.99	4.40
<b>05 42 13 00-0023</b>		<b>Steel Joists, 8 Gauge</b> <small>(05 42 13)</small>			
05 42 13 00-0024	LF	9-1/4" - 8 Gauge Steel Joists .....		36.37	4.60
05 42 13 00-0025	LF	11-1/2" - 8 Gauge Steel Joists .....		40.29	4.84
<b>05 42 23</b>		<b>Cold-Formed Metal Roof Joist Framing</b> <small>(05 42)</small>			
		See CSI section 05 42 13 00-0000 for metal joist framing.			
<b>05 43</b>		<b>Slotted Channel Framing</b> <small>(05 40)</small>			
<b>05 43 00 00-0001</b>		<b>Unistrut Channel</b> <small>(05 43)</small>			
		Note: Excludes fasteners and accessories.			
<b>05 43 00 00-0002</b>		<b>Steel Unistrut Channel</b> <small>(05 43 00 00-0001)</small>			
05 43 00 00-0003	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel .....		9.86	2.15
		For Powder Coating, Add		0.83	
		For Galvanizing, Add		0.95	
05 43 00 00-0004	LF	1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel .....		10.13	2.15
		For Powder Coating, Add		0.87	
		For Galvanizing, Add		0.99	
05 43 00 00-0005	LF	1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....		10.54	2.15
		For Powder Coating, Add		0.94	
		For Galvanizing, Add		1.06	
05 43 00 00-0006	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel .....		9.32	2.15
		For Powder Coating, Add		0.75	
		For Galvanizing, Add		0.85	
05 43 00 00-0007	LF	1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel.....		8.14	2.15
		For Powder Coating, Add		0.58	
		For Galvanizing, Add		0.65	
<b>05 43 00 00-0008</b>		<b>Stainless Steel Unistrut Channel</b> <small>(05 43 00 00-0001)</small>			
<b>05 43 00 00-0009</b>		<b>304 Stainless Steel Unistrut Channel</b> <small>(05 43 00 00-0008)</small>			
05 43 00 00-0010	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....		24.84	2.15
05 43 00 00-0011	LF	1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....		29.86	2.15
05 43 00 00-0012	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....		28.61	2.15
05 43 00 00-0013	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....		36.36	2.15
<b>05 43 00 00-0014</b>		<b>316 Stainless Steel Unistrut Channel</b> <small>(05 43 00 00-0008)</small>			
05 43 00 00-0015	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel .....		41.11	2.15
<b>05 43 00 00-0016</b>		<b>Accessories For Unistrut Channel</b> <small>(05 43)</small>			
05 43 00 00-0017	EA	Trolley Truck Hanger, 1-5/8" Channel P1834.....		43.56	7.14
05 43 00 00-0018	EA	Flat Plate Fitting, One Hole, 1-5/8" Channel P1064 .....		11.96	4.76
05 43 00 00-0019	EA	60 Degree Angle, 1-5/8" Channel P2097 .....		12.45	4.76
<b>05 43 00 00-0020</b>		<b>Unistrut Closure Strips</b> <small>(05 43)</small>			
05 43 00 00-0021	LF	Steel Raceway Closure Strip For Unistrut Channel.....		5.13	0.47
<b>05 43 00 00-0022</b>		<b>Lock Nuts With Spring For Unistrut Channel</b> <small>(05 43)</small>			
		Note: Includes hex bolt.			
<b>05 43 00 00-0023</b>		<b>Steel Lock Nuts With Spring For Unistrut Channel</b> <small>(05 43 00 00-0022)</small>			
		Note: Includes hex bolt.			
05 43 00 00-0024	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel .....		6.38	
05 43 00 00-0025	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel .....		6.95	
05 43 00 00-0026	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel .....		7.38	
05 43 00 00-0027	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel .....		9.70	
<b>05 43 00 00-0028</b>		<b>Stainless Steel Lock Nuts With Spring For Unistrut Channel</b> <small>(05 43 00 00-0022)</small>			
		Note: Includes hex bolt.			
05 43 00 00-0029	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....		14.19	
05 43 00 00-0030	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....		15.11	
05 43 00 00-0031	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....		21.42	
05 43 00 00-0032	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....		36.70	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 43 00 00-0033	Lock Nuts Without Spring For Unistrut Channel <small>(05 43)</small> Note: Includes hex bolt.		
05 43 00 00-0034	Steel Lock Nuts Without Spring For Unistrut Channel <small>(05 43 00 00-0033)</small> Note: Includes hex bolt.		
05 43 00 00-0035	EA 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel .....	6.40	
05 43 00 00-0036	EA 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel .....	7.03	
05 43 00 00-0037	EA 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel .....	7.41	
05 43 00 00-0038	EA 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel .....	10.37	
05 43 00 00-0039	Stainless Steel Lock Nuts Without Spring For Unistrut Channel <small>(05 43 00 00-0033)</small> Note: Includes hex bolt.		
05 43 00 00-0040	EA 1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	10.14	
05 43 00 00-0041	EA 3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	12.25	
05 43 00 00-0042	EA 1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	13.35	
05 43 00 00-0043	EA 5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	35.75	
05 43 00 00-0044	Beam Clamp For Unistrut Channel <small>(05 43)</small>		
05 43 00 00-0045	EA 1-5/8" Channel, P2675 Unistrut Beam Clamp .....	18.86	7.14
05 43 00 00-0046	EA 1-5/8" Channel, P2676 Unistrut Beam Clamp .....	23.12	7.14
05 43 00 00-0047	EA Add For Unistrut Swivel Nut, P2676 .....	2.32	
05 43 00 00-0048	Beam Clamp Clevis Hangers For Unistrut Channel <small>(05 43)</small>		
05 43 00 00-0049	EA Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674) .....	20.34	7.14
05 43 00 00-0050	EA Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677) .....	23.73	7.14
05 43 00 00-0051	EA Add For Unistrut Swivel Nut .....	2.32	
05 43 00 00-0052	EA 6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut .....	127.87	9.52
05 43 00 00-0053	Pipe And Rigid Conduit Clamps <small>(05 43)</small>		
05 43 00 00-0054	Pipe And Rigid Conduit Clamps <small>(05 43 00 00-0053)</small> Note: Includes stainless steel (316) hardware.		
05 43 00 00-0055	PR 1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware .....	6.56	1.83
05 43 00 00-0056	PR 3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware .....	6.74	1.83
05 43 00 00-0057	PR 1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware .....	7.64	2.22
05 43 00 00-0058	PR 1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware .....	8.07	2.41
05 43 00 00-0059	PR 1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware .....	10.50	2.70
05 43 00 00-0060	PR 2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware .....	10.50	2.70
05 43 00 00-0061	PR 2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware .....	15.88	4.52
05 43 00 00-0062	PR 3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware .....	16.23	4.52
05 43 00 00-0063	PR 3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware .....	17.25	5.00
05 43 00 00-0064	PR 4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware .....	19.15	5.40
05 43 00 00-0065	Pipe And Rigid Conduit Clamps <small>(05 43 00 00-0053)</small> Note: Includes nylon hardware.		
05 43 00 00-0066	PR 1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware .....	7.60	1.83
05 43 00 00-0067	PR 3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware .....	7.83	1.83
05 43 00 00-0068	PR 1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware .....	8.73	2.22
05 43 00 00-0069	PR 1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware .....	9.20	2.41
05 43 00 00-0070	PR 1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware .....	12.28	2.70
05 43 00 00-0071	PR 2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware .....	12.28	2.70
05 43 00 00-0072	PR 2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware .....	18.28	4.52
05 43 00 00-0073	PR 3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware .....	18.76	4.52
05 43 00 00-0074	PR 3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware .....	19.81	5.00
05 43 00 00-0075	PR 4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware .....	22.07	5.40
05 45	Metal Support Assemblies <small>(05 40)</small>		
05 45 13	<b>Mechanical Metal Supports</b> <small>(05 45)</small> See CSI section 23 05 29 00-0000 for metal supports.		
05 45 16	<b>Electrical Metal Supports</b> <small>(05 45)</small> See CSI section 26 05 29 00-0000 for metal supports.		
05 50	Metal Fabrications <small>(05)</small>		
05 51	Metal Stairs <small>(05 50)</small>		
05 51 13	<b>Metal Pan Stairs</b> <small>(05 51)</small> Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail. See CSI section 05 52 13 00-0000 for handrails.		
05 51 13 00-0001	Open Concrete Filled Metal Pan Stair And Landing <small>(05 51 13)</small> Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.		
05 51 13 00-0002	RSR 3'-6" Wide Open Concrete Filled Metal Pan Tread Stair .....	690.30	27.75
	For Closed Riser, Add	79.03	
05 51 13 00-0003	RSR 4'-0" Wide Open Concrete Filled Metal Pan Tread Stair .....	784.93	32.38
	For Closed Riser, Add	89.75	
05 51 13 00-0004	RSR 5'-0" Wide Open Concrete Filled Metal Pan Tread Stair .....	875.49	37.92
	For Closed Riser, Add	99.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 13 00-0005	SF		Concrete Filled Steel Pan Landing..... Note: Conventional shape.	68.18	4.63
<b>05 51 19</b>			<b>Metal Grating Stairs</b> (05 51) Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0001			<b>Open Steel Grating Tread Metal Stair And Landing</b> (05 51 19) Note: Includes steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0002	RSR		3'-6" Wide Open Steel Grating Tread Metal Stair..... For Closed Riser, Add For Galvanized Steel, Add	341.93 40.38 66.98	37.01
05 51 19 00-0003	RSR		4'-0" Wide Open Steel Grating Tread Metal Stair..... For Closed Riser, Add For Galvanized Steel, Add	365.80 42.87 70.17	42.55
05 51 19 00-0004	RSR		5'-0" Wide Open Steel Grating Tread Metal Stair..... For Closed Riser, Add For Galvanized Steel, Add	406.12 47.30 76.55	49.95
05 51 19 00-0005	SF		Steel Grating Landing With Framing And 2 Pipe Handrail ..... Note: Conventional shape. For Galvanized Steel, Add	64.43 11.48	4.63
<b>05 51 33</b>			<b>Metal Ladders</b> (05 51) Note: Includes factory prime.		
<b>05 51 33 13</b>			<b>Vertical Metal Ladders</b> (05 51 33)		
05 51 33 13-0001			<b>Vertical Ladders</b> (05 51 33 13) Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"		
05 51 33 13-0002	VLF		20" Wide Vertical Steel Ladder Primed..... For Galvanized Steel, Add For Aluminum, Add	74.72 9.98 19.95	11.10
05 51 33 13-0003	VLF		24" Wide Vertical Steel Ladder Primed..... For Galvanized Steel, Add For Aluminum, Add	84.84 12.51 25.01	11.10
05 51 33 13-0004	VLF		20" Wide Vertical Steel Caged Ladder Primed..... For Galvanized Steel, Add For Aluminum, Add	174.89 28.98 57.96	18.50
05 51 33 13-0005	VLF		24" Wide Vertical Steel Caged Ladder Primed..... For Galvanized Steel, Add For Aluminum, Add	195.11 34.04 68.07	18.50
05 51 33 13-0006			<b>Vertical Ladders Options</b> (05 51 33 13)		
05 51 33 13-0007	EA		20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed..... Note: Extends 42" above landing surface. Includes mounting bracket. For Galvanized Steel, Add For Aluminum, Add	267.31 49.48 98.96	34.69
05 51 33 13-0008	EA		24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed..... Note: Extends 42" above landing surface. Includes mounting bracket. For Galvanized Steel, Add For Aluminum, Add	292.30 54.58 109.15	37.01
05 51 33 13-0009	EA		Security Cage Entry Gate With Lockable Hasp.....	386.95	11.56
05 51 33 13-0010	EA		6' Security Ladder Guard.....	841.68	69.39
05 51 33 13-0011	EA		8' Security Ladder Guard.....	1,005.96	80.95
05 51 33 13-0012	EA		Safety Chain Attachment.....	152.39	
05 51 33 13-0013			<b>Welded Steel Ladder Cages</b> (05 51 33 13) Note: For existing fixed ladders up to 20" wide. Excludes the ladder.		
05 51 33 13-0014			<b>Powder Coated, Welded Steel Ladder Cages</b> (05 51 33 13-0013)		
05 51 33 13-0015	EA		7-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,557.29	138.77
05 51 33 13-0016	EA		8-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,689.35	143.39
05 51 33 13-0017	EA		9-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,794.71	148.02
05 51 33 13-0018	EA		10-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,907.20	152.65
05 51 33 13-0019	EA		11-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,973.42	157.26
05 51 33 13-0020	EA		12-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,080.55	161.89
05 51 33 13-0021	EA		13-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,175.25	166.52
05 51 33 13-0022	EA		14-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,298.41	171.15
05 51 33 13-0023	EA		15-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,418.01	175.77
05 51 33 13-0024	EA		16-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,516.26	180.40
05 51 33 13-0025	EA		17-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,635.87	185.02
05 51 33 13-0026	EA		18-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,751.91	189.64
05 51 33 13-0027	EA		19-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,866.17	194.27
05 51 33 13-0028	EA		20-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,073.00	198.90
05 51 33 13-0029	EA		21-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,135.64	203.53
05 51 33 13-0030	EA		22-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,242.80	208.15
05 51 33 13-0031	EA		23-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,341.04	212.77
05 51 33 13-0032	EA		24-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,432.16	217.40
05 51 33 13-0033	EA		25-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,633.65	222.02
05 51 33 13-0034	EA		26-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,742.57	226.65
05 51 33 13-0035	EA		27-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,844.38	231.28
05 51 33 13-0036			<b>Stainless Steel, Welded Steel Ladder Cages</b> (05 51 33 13-0013)		
05 51 33 13-0037	EA		7-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,661.95	138.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 51 33 13-0038	EA	8-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,910.76	143.39
05 51 33 13-0039	EA	9-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,324.37	148.02
05 51 33 13-0040	EA	10-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,529.01	152.65
05 51 33 13-0041	EA	11-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,701.37	157.26
05 51 33 13-0042	EA	12-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,929.78	161.89
05 51 33 13-0043	EA	13-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,340.01	166.52
05 51 33 13-0044	EA	14-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,548.04	171.15
05 51 33 13-0045	EA	15-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,762.86	175.77
05 51 33 13-0046	EA	16-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,998.09	180.40
05 51 33 13-0047	EA	17-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,416.80	185.02
05 51 33 13-0048	EA	18-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,626.53	189.64
05 51 33 13-0049	EA	19-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,826.07	194.27
05 51 33 13-0050	EA	20-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	7,156.44	198.90
05 51 33 13-0051	EA	21-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	7,527.57	203.53
05 51 33 13-0052	EA	22-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	7,733.91	208.15
05 51 33 13-0053	EA	23-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	7,945.35	212.77
05 51 33 13-0054	EA	24-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	8,143.18	217.40
05 51 33 13-0055	EA	25-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	8,650.24	222.02
05 51 33 13-0056	EA	26-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	8,848.08	226.65
05 51 33 13-0057	EA	27-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	9,051.02	231.28

**05 51 33 16 Inclined Metal Ladders** (05 51 33)

**05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs** (05 51 33 16)

Note: Includes factory prime.

05 51 33 16-0002	RSR	3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side.....	252.87	46.25
		<i>For Aluminum, Add</i>	80.18	

**05 51 33 23 Alternating Tread Ladders** (05 51 33)

**05 51 33 23-0001 Vertical Ladders With Alternating Tread** (05 51 33 23)

05 51 33 23-0002	EA	4' Vertical Height Aluminum Alternating Tread Ladder.....	1,594.13	138.77
		<i>For Stainless Steel, Add</i>	196.80	
		<i>For Primed Steel, Deduct</i>	-191.42	
05 51 33 23-0003	EA	5' Vertical Height Aluminum Alternating Tread Ladder.....	1,817.05	147.09
		<i>For Stainless Steel, Add</i>	240.90	
		<i>For Primed Steel, Deduct</i>	-223.30	
05 51 33 23-0004	EA	6' Vertical Height Aluminum Alternating Tread Ladder.....	2,004.37	147.09
		<i>For Stainless Steel, Add</i>	288.67	
		<i>For Primed Steel, Deduct</i>	-241.55	
05 51 33 23-0005	EA	7' Vertical Height Aluminum Alternating Tread Ladder.....	2,300.97	184.83
		<i>For Stainless Steel, Add</i>	347.24	
		<i>For Primed Steel, Deduct</i>	-256.61	
05 51 33 23-0006	EA	8' Vertical Height Aluminum Alternating Tread Ladder.....	2,517.38	191.39
		<i>For Stainless Steel, Add</i>	388.99	
		<i>For Primed Steel, Deduct</i>	-298.53	
05 51 33 23-0007	EA	9' Vertical Height Aluminum Alternating Tread Ladder.....	2,682.89	191.39
		<i>For Stainless Steel, Add</i>	453.51	
		<i>For Primed Steel, Deduct</i>	-293.53	
05 51 33 23-0008	EA	10' Vertical Height Aluminum Alternating Tread Ladder.....	2,948.85	213.48
		<i>For Stainless Steel, Add</i>	497.40	
		<i>For Primed Steel, Deduct</i>	-327.55	
05 51 33 23-0009	EA	11' Vertical Height Aluminum Alternating Tread Ladder.....	3,134.30	213.48
		<i>For Stainless Steel, Add</i>	546.61	
		<i>For Primed Steel, Deduct</i>	-347.07	
05 51 33 23-0010	EA	12' Vertical Height Aluminum Alternating Tread Ladder.....	3,278.58	213.48
		<i>For Stainless Steel, Add</i>	623.99	
		<i>For Primed Steel, Deduct</i>	-346.65	

**05 52 Metal Railings** (05 50)

**05 52 13 Pipe and Tube Railings** (05 52)

Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

**05 52 13 00-0001 Welded Steel Pipe Railing** (05 52 13)

Note: Includes field welds and touch-up of welds.

**05 52 13 00-0002 One Rail, Up To 42" High, Welded Steel Pipe Railings** (05 52 13 00-0001)

Note: Includes factory primed posts and one rail.

## 05 Metals

## 05 50 Metal Fabrications

## 05 52 Metal Railings

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 52 13 00-0003	LF	1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing .....	32.25	9.25
		For Schedule 80 Handrail, Add	3.16	
		For 11 Gauge A513 Steel Tubing, Deduct	-3.03	
		For 12 Gauge A513 Steel Tubing, Deduct	-3.44	
		For 14 Gauge A513 Steel Tubing, Deduct	-4.54	
		For 16 Gauge A513 Steel Tubing, Deduct	-5.36	
		For Additional Off Set Handrail, ADA Attachment, Add	12.19	
		For Aluminum, Satin Finish, Add	5.78	
		For Aluminum, Clear Anodized Finish, Add	8.94	
		For Aluminum, Dark Anodized Finish, Add	10.31	
		For Galvanizing, Add	7.56	
		For Wrought Iron, Add	3.23	
		For Solid Steel Rails, Add	6.45	
		For 304 Stainless Steel, Add	44.00	
		For 316 Stainless Steel, Add	49.50	
		For 2" Wheel Guard, Add	1.31	
		For 4" High Kick Plate, Add	1.72	
		For 6" High Kick Plate, Add	2.75	
		For Curved Rail, Add	13.80	
		For Mounting On Stairs, Add	9.68	
		For Mounting On Slopes, Add	3.23	
		For Post Base Flange With Screws, Add Per Post	19.35	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.28	
		For Custom Design Or Shapes (Square Tops, etc), Add	11.50	
		For Nylon Coating, Add	2.06	
05 52 13 00-0004	LF	1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing .....	34.61	9.25
		For Schedule 80 Handrail, Add	4.62	
		For 11 Gauge A513 Steel Tubing, Deduct	-3.54	
		For 12 Gauge A513 Steel Tubing, Deduct	-4.03	
		For 14 Gauge A513 Steel Tubing, Deduct	-5.32	
		For 16 Gauge A513 Steel Tubing, Deduct	-6.28	
		For Additional Off Set Handrail, ADA Attachment, Add	12.19	
		For Aluminum, Satin Finish, Add	6.77	
		For Aluminum, Clear Anodized Finish, Add	10.47	
		For Aluminum, Dark Anodized Finish, Add	12.08	
		For Galvanizing, Add	8.86	
		For Wrought Iron, Add	3.46	
		For Solid Steel Rails, Add	6.92	
		For 304 Stainless Steel, Add	51.55	
		For 316 Stainless Steel, Add	58.00	
		For 2" Wheel Guard, Add	1.53	
		For 4" High Kick Plate, Add	2.01	
		For 6" High Kick Plate, Add	3.22	
		For Curved Rail, Add	15.22	
		For Mounting On Stairs, Add	10.38	
		For Mounting On Slopes, Add	3.46	
		For Post Base Flange With Screws, Add Per Post	19.35	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.28	
		For Custom Design Or Shapes (Square Tops, etc), Add	12.68	
		For Nylon Coating, Add	2.42	
05 52 13 00-0005	LF	1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing .....	36.98	9.25
		For Schedule 80 Handrail, Add	4.62	
		For 11 Gauge A513 Steel Tubing, Deduct	-4.07	
		For 12 Gauge A513 Steel Tubing, Deduct	-4.62	
		For 14 Gauge A513 Steel Tubing, Deduct	-6.10	
		For 16 Gauge A513 Steel Tubing, Deduct	-7.21	
		For Additional Off Set Handrail, ADA Attachment, Add	12.19	
		For Aluminum, Satin Finish, Add	7.76	
		For Aluminum, Clear Anodized Finish, Add	12.01	
		For Aluminum, Dark Anodized Finish, Add	13.86	
		For Galvanizing, Add	10.16	
		For Wrought Iron, Add	3.70	
		For Solid Steel Rails, Add	7.40	
		For 304 Stainless Steel, Add	59.14	
		For 316 Stainless Steel, Add	66.53	
		For 2" Wheel Guard, Add	1.76	
		For 4" High Kick Plate, Add	2.31	
		For 6" High Kick Plate, Add	3.70	
		For Curved Rail, Add	16.64	
		For Mounting On Stairs, Add	11.09	
		For Mounting On Slopes, Add	3.70	
		For Post Base Flange With Screws, Add Per Post	19.35	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.28	
		For Custom Design Or Shapes (Square Tops, etc), Add	13.87	
		For Nylon Coating, Add	2.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0006	LF		2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	41.09	9.25
			For Schedule 80 Handrail, Add	5.21	
			For 11 Gauge A513 Steel Tubing, Deduct	-4.97	
			For 12 Gauge A513 Steel Tubing, Deduct	-5.65	
			For 14 Gauge A513 Steel Tubing, Deduct	-7.45	
			For 16 Gauge A513 Steel Tubing, Deduct	-8.81	
			For Additional Off Set Handrail, ADA Attachment, Add	12.19	
			For Aluminum, Satin Finish, Add	9.49	
			For Aluminum, Clear Anodized Finish, Add	14.68	
			For Aluminum, Dark Anodized Finish, Add	16.94	
			For Galvanizing, Add	12.42	
			For Wrought Iron, Add	4.11	
			For Solid Steel Rails, Add	8.22	
			For 304 Stainless Steel, Add	72.29	
			For 316 Stainless Steel, Add	81.32	
			For 2" Wheel Guard, Add	2.15	
			For 4" High Kick Plate, Add	2.82	
			For 6" High Kick Plate, Add	4.52	
			For Curved Rail, Add	19.10	
			For Mounting On Stairs, Add	12.33	
			For Mounting On Slopes, Add	4.11	
			For Post Base Flange With Screws, Add Per Post	19.35	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.28	
			For Custom Design Or Shapes (Square Tops, etc), Add	15.92	
			For Nylon Coating, Add	3.39	
05 52 13 00-0007	LF		2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	46.01	9.25
			For Schedule 80 Handrail, Add	5.81	
			For 11 Gauge A513 Steel Tubing, Deduct	-6.05	
			For 12 Gauge A513 Steel Tubing, Deduct	-6.88	
			For 14 Gauge A513 Steel Tubing, Deduct	-9.08	
			For 16 Gauge A513 Steel Tubing, Deduct	-10.73	
			For Additional Off Set Handrail, ADA Attachment, Add	12.19	
			For Aluminum, Satin Finish, Add	11.55	
			For Aluminum, Clear Anodized Finish, Add	17.88	
			For Aluminum, Dark Anodized Finish, Add	20.63	
			For Galvanizing, Add	15.13	
			For Wrought Iron, Add	4.60	
			For Solid Steel Rails, Add	9.20	
			For 304 Stainless Steel, Add	88.03	
			For 316 Stainless Steel, Add	99.04	
			For 2" Wheel Guard, Add	2.61	
			For 4" High Kick Plate, Add	3.44	
			For 6" High Kick Plate, Add	5.50	
			For Curved Rail, Add	22.06	
			For Mounting On Stairs, Add	13.80	
			For Mounting On Slopes, Add	4.60	
			For Post Base Flange With Screws, Add Per Post	19.35	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.28	
			For Custom Design Or Shapes (Square Tops, etc), Add	18.38	
			For Nylon Coating, Add	4.13	
05 52 13 00-0008			<b>Two Rail, Up To 42" High, Welded Steel Pipe Railings</b> (05 52 13 00-0001)		
			Note: Includes factory primed posts and two rails.		
05 52 13 00-0009	LF		1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	42.71	9.25
			For Schedule 80 Handrail, Add	3.16	
			For 11 Gauge A513 Steel Tubing, Deduct	-5.33	
			For 12 Gauge A513 Steel Tubing, Deduct	-6.05	
			For 14 Gauge A513 Steel Tubing, Deduct	-7.99	
			For 16 Gauge A513 Steel Tubing, Deduct	-9.44	
			For Additional Off Set Handrail, ADA Attachment, Add	12.19	
			For Aluminum, Satin Finish, Add	10.17	
			For Aluminum, Clear Anodized Finish, Add	15.74	
			For Aluminum, Dark Anodized Finish, Add	18.16	
			For Galvanizing, Add	13.32	
			For Wrought Iron, Add	4.27	
			For Solid Steel Rails, Add	8.54	
			For 304 Stainless Steel, Add	77.47	
			For 316 Stainless Steel, Add	87.16	
			For 2" Wheel Guard, Add	2.30	
			For 4" High Kick Plate, Add	3.03	
			For 6" High Kick Plate, Add	4.84	
			For Curved Rail, Add	20.08	
			For Mounting On Stairs, Add	12.81	
			For Mounting On Slopes, Add	4.27	
			For Post Base Flange With Screws, Add Per Post	19.35	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.28	
			For Custom Design Or Shapes (Square Tops, etc), Add	16.73	
			For Nylon Coating, Add	3.63	

## 05 Metals

## 05 50 Metal Fabrications

## 05 52 Metal Railings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0010	LF		1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	46.88	9.25
			For Schedule 80 Handrail, Add	4.62	
			For 11 Gauge A513 Steel Tubing, Deduct	-6.24	
			For 12 Gauge A513 Steel Tubing, Deduct	-7.10	
			For 14 Gauge A513 Steel Tubing, Deduct	-9.37	
			For 16 Gauge A513 Steel Tubing, Deduct	-11.07	
			For Additional Off Set Handrail, ADA Attachment, Add	12.19	
			For Aluminum, Satin Finish, Add	11.92	
			For Aluminum, Clear Anodized Finish, Add	18.45	
			For Aluminum, Dark Anodized Finish, Add	21.29	
			For Galvanizing, Add	15.61	
			For Wrought Iron, Add	4.69	
			For Solid Steel Rails, Add	9.38	
			For 304 Stainless Steel, Add	90.82	
			For 316 Stainless Steel, Add	102.17	
			For 2" Wheel Guard, Add	2.70	
			For 4" High Kick Plate, Add	3.55	
			For 6" High Kick Plate, Add	5.68	
			For Curved Rail, Add	22.58	
			For Mounting On Stairs, Add	14.06	
			For Mounting On Slopes, Add	4.69	
			For Post Base Flange With Screws, Add Per Post	19.35	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.28	
			For Custom Design Or Shapes (Square Tops, etc), Add	18.82	
			For Nylon Coating, Add	4.26	
05 52 13 00-0011	LF		1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	51.05	9.25
			For Schedule 80 Handrail, Add	4.62	
			For 11 Gauge A513 Steel Tubing, Deduct	-7.16	
			For 12 Gauge A513 Steel Tubing, Deduct	-8.14	
			For 14 Gauge A513 Steel Tubing, Deduct	-10.74	
			For 16 Gauge A513 Steel Tubing, Deduct	-12.69	
			For Additional Off Set Handrail, ADA Attachment, Add	12.19	
			For Aluminum, Satin Finish, Add	13.67	
			For Aluminum, Clear Anodized Finish, Add	21.16	
			For Aluminum, Dark Anodized Finish, Add	24.41	
			For Galvanizing, Add	17.90	
			For Wrought Iron, Add	5.11	
			For Solid Steel Rails, Add	10.21	
			For 304 Stainless Steel, Add	104.16	
			For 316 Stainless Steel, Add	117.18	
			For 2" Wheel Guard, Add	3.09	
			For 4" High Kick Plate, Add	4.07	
			For 6" High Kick Plate, Add	6.51	
			For Curved Rail, Add	25.08	
			For Mounting On Stairs, Add	15.32	
			For Mounting On Slopes, Add	5.11	
			For Post Base Flange With Screws, Add Per Post	19.35	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.28	
			For Custom Design Or Shapes (Square Tops, etc), Add	20.90	
			For Nylon Coating, Add	4.88	
05 52 13 00-0012	LF		2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	58.28	9.25
			For Schedule 80 Handrail, Add	5.21	
			For 11 Gauge A513 Steel Tubing, Deduct	-8.75	
			For 12 Gauge A513 Steel Tubing, Deduct	-9.95	
			For 14 Gauge A513 Steel Tubing, Deduct	-13.13	
			For 16 Gauge A513 Steel Tubing, Deduct	-15.51	
			For Additional Off Set Handrail, ADA Attachment, Add	12.19	
			For Aluminum, Satin Finish, Add	16.71	
			For Aluminum, Clear Anodized Finish, Add	25.86	
			For Aluminum, Dark Anodized Finish, Add	29.84	
			For Galvanizing, Add	21.88	
			For Wrought Iron, Add	5.83	
			For Solid Steel Rails, Add	11.66	
			For 304 Stainless Steel, Add	127.30	
			For 316 Stainless Steel, Add	143.21	
			For 2" Wheel Guard, Add	3.78	
			For 4" High Kick Plate, Add	4.97	
			For 6" High Kick Plate, Add	7.96	
			For Curved Rail, Add	29.42	
			For Mounting On Stairs, Add	17.48	
			For Mounting On Slopes, Add	5.83	
			For Post Base Flange With Screws, Add Per Post	19.35	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.28	
			For Custom Design Or Shapes (Square Tops, etc), Add	24.52	
			For Nylon Coating, Add	5.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0013	LF		2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	66.95	9.25
			For Schedule 80 Handrail, Add	5.81	
			For 11 Gauge A513 Steel Tubing, Deduct	-10.66	
			For 12 Gauge A513 Steel Tubing, Deduct	-12.11	
			For 14 Gauge A513 Steel Tubing, Deduct	-15.99	
			For 16 Gauge A513 Steel Tubing, Deduct	-18.90	
			For Additional Off Set Handrail, ADA Attachment, Add	12.19	
			For Aluminum, Satin Finish, Add	20.35	
			For Aluminum, Clear Anodized Finish, Add	31.49	
			For Aluminum, Dark Anodized Finish, Add	36.34	
			For Galvanizing, Add	26.65	
			For Wrought Iron, Add	6.70	
			For Solid Steel Rails, Add	13.39	
			For 304 Stainless Steel, Add	155.04	
			For 316 Stainless Steel, Add	174.42	
			For 2" Wheel Guard, Add	4.60	
			For 4" High Kick Plate, Add	6.06	
			For 6" High Kick Plate, Add	9.69	
			For Curved Rail, Add	34.62	
			For Mounting On Stairs, Add	20.09	
			For Mounting On Slopes, Add	6.70	
			For Post Base Flange With Screws, Add Per Post	19.35	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.28	
			For Custom Design Or Shapes (Square Tops, etc), Add	28.85	
			For Nylon Coating, Add	7.27	
05 52 13 00-0014			<b>Three Rail, Up To 42" High, Welded Steel Pipe Railings</b> (05 52 13 00-0001)		
			Note: Includes factory primed posts and three rails.		
05 52 13 00-0015	LF		1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing .....	66.33	11.10
			For Schedule 80 Handrail, Add	4.69	
			For 11 Gauge A513 Steel Tubing, Deduct	-9.71	
			For 12 Gauge A513 Steel Tubing, Deduct	-11.03	
			For 14 Gauge A513 Steel Tubing, Deduct	-14.56	
			For 16 Gauge A513 Steel Tubing, Deduct	-17.21	
			For Additional Off Set Handrail, ADA Attachment, Add	12.93	
			For Aluminum, Satin Finish, Add	18.53	
			For Aluminum, Clear Anodized Finish, Add	28.68	
			For Aluminum, Dark Anodized Finish, Add	33.10	
			For Galvanizing, Add	24.27	
			For Wrought Iron, Add	6.63	
			For Solid Steel Rails, Add	13.27	
			For 304 Stainless Steel, Add	141.22	
			For 316 Stainless Steel, Add	158.87	
			For 2" Wheel Guard, Add	4.19	
			For 4" High Kick Plate, Add	5.52	
			For 6" High Kick Plate, Add	8.83	
			For Curved Rail, Add	33.14	
			For Mounting On Stairs, Add	19.90	
			For Mounting On Slopes, Add	6.63	
			For Post Base Flange With Screws, Add Per Post	19.72	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83	
			For Custom Design Or Shapes (Square Tops, etc), Add	27.62	
			For Nylon Coating, Add	6.62	
05 52 13 00-0016	LF		1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing .....	73.93	11.10
			For Schedule 80 Handrail, Add	6.64	
			For 11 Gauge A513 Steel Tubing, Deduct	-11.38	
			For 12 Gauge A513 Steel Tubing, Deduct	-12.93	
			For 14 Gauge A513 Steel Tubing, Deduct	-17.07	
			For 16 Gauge A513 Steel Tubing, Deduct	-20.17	
			For Additional Off Set Handrail, ADA Attachment, Add	12.93	
			For Aluminum, Satin Finish, Add	21.73	
			For Aluminum, Clear Anodized Finish, Add	33.62	
			For Aluminum, Dark Anodized Finish, Add	38.80	
			For Galvanizing, Add	28.45	
			For Wrought Iron, Add	7.39	
			For Solid Steel Rails, Add	14.79	
			For 304 Stainless Steel, Add	165.54	
			For 316 Stainless Steel, Add	186.23	
			For 2" Wheel Guard, Add	4.91	
			For 4" High Kick Plate, Add	6.47	
			For 6" High Kick Plate, Add	10.35	
			For Curved Rail, Add	37.70	
			For Mounting On Stairs, Add	22.18	
			For Mounting On Slopes, Add	7.39	
			For Post Base Flange With Screws, Add Per Post	19.72	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83	
			For Custom Design Or Shapes (Square Tops, etc), Add	31.42	
			For Nylon Coating, Add	7.76	

**05 Metals****05 50 Metal Fabrications****05 52 Metal Railings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 52 13 00-0017	LF 1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing .....	81.52	11.10
	For Schedule 80 Handrail, Add	6.64	
	For 11 Gauge A513 Steel Tubing, Deduct	-13.05	
	For 12 Gauge A513 Steel Tubing, Deduct	-14.83	
	For 14 Gauge A513 Steel Tubing, Deduct	-19.58	
	For 16 Gauge A513 Steel Tubing, Deduct	-23.13	
	For Additional Off Set Handrail, ADA Attachment, Add	12.93	
	For Aluminum, Satin Finish, Add	24.91	
	For Aluminum, Clear Anodized Finish, Add	38.56	
	For Aluminum, Dark Anodized Finish, Add	44.49	
	For Galvanizing, Add	32.63	
	For Wrought Iron, Add	8.15	
	For Solid Steel Rails, Add	16.30	
	For 304 Stainless Steel, Add	189.82	
	For 316 Stainless Steel, Add	213.55	
	For 2" Wheel Guard, Add	5.64	
	For 4" High Kick Plate, Add	7.42	
	For 6" High Kick Plate, Add	11.86	
	For Curved Rail, Add	42.25	
	For Mounting On Stairs, Add	24.46	
	For Mounting On Slopes, Add	8.15	
	For Post Base Flange With Screws, Add Per Post	19.72	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83	
	For Custom Design Or Shapes (Square Tops, etc), Add	35.21	
	For Nylon Coating, Add	8.90	
05 52 13 00-0018	LF 2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing .....	94.73	11.10
	For Schedule 80 Handrail, Add	7.43	
	For 11 Gauge A513 Steel Tubing, Deduct	-15.96	
	For 12 Gauge A513 Steel Tubing, Deduct	-18.13	
	For 14 Gauge A513 Steel Tubing, Deduct	-23.93	
	For 16 Gauge A513 Steel Tubing, Deduct	-28.29	
	For Additional Off Set Handrail, ADA Attachment, Add	12.93	
	For Aluminum, Satin Finish, Add	30.46	
	For Aluminum, Clear Anodized Finish, Add	47.14	
	For Aluminum, Dark Anodized Finish, Add	54.40	
	For Galvanizing, Add	39.89	
	For Wrought Iron, Add	9.47	
	For Solid Steel Rails, Add	18.95	
	For 304 Stainless Steel, Add	232.10	
	For 316 Stainless Steel, Add	261.11	
	For 2" Wheel Guard, Add	6.89	
	For 4" High Kick Plate, Add	9.07	
	For 6" High Kick Plate, Add	14.51	
	For Curved Rail, Add	50.18	
	For Mounting On Stairs, Add	28.42	
	For Mounting On Slopes, Add	9.47	
	For Post Base Flange With Screws, Add Per Post	19.72	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83	
	For Custom Design Or Shapes (Square Tops, etc), Add	41.82	
	For Nylon Coating, Add	10.88	
05 52 13 00-0019	LF 2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing .....	110.46	11.10
	For Schedule 80 Handrail, Add	8.22	
	For 11 Gauge A513 Steel Tubing, Deduct	-19.42	
	For 12 Gauge A513 Steel Tubing, Deduct	-22.07	
	For 14 Gauge A513 Steel Tubing, Deduct	-29.13	
	For 16 Gauge A513 Steel Tubing, Deduct	-34.42	
	For Additional Off Set Handrail, ADA Attachment, Add	12.93	
	For Aluminum, Satin Finish, Add	37.07	
	For Aluminum, Clear Anodized Finish, Add	57.37	
	For Aluminum, Dark Anodized Finish, Add	66.20	
	For Galvanizing, Add	48.54	
	For Wrought Iron, Add	11.05	
	For Solid Steel Rails, Add	22.09	
	For 304 Stainless Steel, Add	282.43	
	For 316 Stainless Steel, Add	317.74	
	For 2" Wheel Guard, Add	8.38	
	For 4" High Kick Plate, Add	11.03	
	For 6" High Kick Plate, Add	17.65	
	For Curved Rail, Add	59.62	
	For Mounting On Stairs, Add	33.14	
	For Mounting On Slopes, Add	11.05	
	For Post Base Flange With Screws, Add Per Post	19.72	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83	
	For Custom Design Or Shapes (Square Tops, etc), Add	49.68	
	For Nylon Coating, Add	13.24	

**05 52 13 00-0020 Four Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)**

Note: Includes factory primed posts and four rails.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0021 LF 1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing .....	80.06	12.95
For Schedule 80 Handrail, Add	6.46	
For 11 Gauge A513 Steel Tubing, Deduct	-11.92	
For 12 Gauge A513 Steel Tubing, Deduct	-13.54	
For 14 Gauge A513 Steel Tubing, Deduct	-17.87	
For 16 Gauge A513 Steel Tubing, Deduct	-21.12	
For Additional Off Set Handrail, ADA Attachment, Add	13.67	
For Aluminum, Satin Finish, Add	22.75	
For Aluminum, Clear Anodized Finish, Add	35.20	
For Aluminum, Dark Anodized Finish, Add	40.62	
For Galvanizing, Add	29.79	
For Wrought Iron, Add	8.01	
For Solid Steel Rails, Add	16.01	
For 304 Stainless Steel, Add	173.31	
For 316 Stainless Steel, Add	194.98	
For 2" Wheel Guard, Add	5.15	
For 4" High Kick Plate, Add	6.77	
For 6" High Kick Plate, Add	10.83	
For Curved Rail, Add	40.27	
For Mounting On Stairs, Add	24.02	
For Mounting On Slopes, Add	8.01	
For Post Base Flange With Screws, Add Per Post	20.09	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.39	
For Custom Design Or Shapes (Square Tops, etc), Add	33.56	
For Nylon Coating, Add	8.12	
05 52 13 00-0022 LF 1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing .....	86.80	12.95
For Schedule 80 Handrail, Add	8.89	
For 11 Gauge A513 Steel Tubing, Deduct	-13.40	
For 12 Gauge A513 Steel Tubing, Deduct	-15.23	
For 14 Gauge A513 Steel Tubing, Deduct	-20.10	
For 16 Gauge A513 Steel Tubing, Deduct	-23.75	
For Additional Off Set Handrail, ADA Attachment, Add	13.67	
For Aluminum, Satin Finish, Add	25.58	
For Aluminum, Clear Anodized Finish, Add	39.59	
For Aluminum, Dark Anodized Finish, Add	45.68	
For Galvanizing, Add	33.50	
For Wrought Iron, Add	8.68	
For Solid Steel Rails, Add	17.36	
For 304 Stainless Steel, Add	194.88	
For 316 Stainless Steel, Add	219.24	
For 2" Wheel Guard, Add	5.79	
For 4" High Kick Plate, Add	7.61	
For 6" High Kick Plate, Add	12.18	
For Curved Rail, Add	44.31	
For Mounting On Stairs, Add	26.04	
For Mounting On Slopes, Add	8.68	
For Post Base Flange With Screws, Add Per Post	20.09	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.39	
For Custom Design Or Shapes (Square Tops, etc), Add	36.93	
For Nylon Coating, Add	9.14	
05 52 13 00-0023 LF 1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing .....	93.55	12.95
For Schedule 80 Handrail, Add	8.89	
For 11 Gauge A513 Steel Tubing, Deduct	-14.88	
For 12 Gauge A513 Steel Tubing, Deduct	-16.91	
For 14 Gauge A513 Steel Tubing, Deduct	-22.32	
For 16 Gauge A513 Steel Tubing, Deduct	-26.38	
For Additional Off Set Handrail, ADA Attachment, Add	13.67	
For Aluminum, Satin Finish, Add	28.41	
For Aluminum, Clear Anodized Finish, Add	43.97	
For Aluminum, Dark Anodized Finish, Add	50.74	
For Galvanizing, Add	37.21	
For Wrought Iron, Add	9.36	
For Solid Steel Rails, Add	18.71	
For 304 Stainless Steel, Add	216.48	
For 316 Stainless Steel, Add	243.54	
For 2" Wheel Guard, Add	6.43	
For 4" High Kick Plate, Add	8.46	
For 6" High Kick Plate, Add	13.53	
For Curved Rail, Add	48.36	
For Mounting On Stairs, Add	28.07	
For Mounting On Slopes, Add	9.36	
For Post Base Flange With Screws, Add Per Post	20.09	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.39	
For Custom Design Or Shapes (Square Tops, etc), Add	40.30	
For Nylon Coating, Add	10.15	

**05 Metals****05 50 Metal Fabrications****05 52 Metal Railings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0024	LF		2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing .....	108.58	12.95
			For Schedule 80 Handrail, Add	9.87	
			For 11 Gauge A513 Steel Tubing, Deduct	-18.19	
			For 12 Gauge A513 Steel Tubing, Deduct	-20.67	
			For 14 Gauge A513 Steel Tubing, Deduct	-27.28	
			For 16 Gauge A513 Steel Tubing, Deduct	-32.25	
			For Additional Off Set Handrail, ADA Attachment, Add	13.67	
			For Aluminum, Satin Finish, Add	34.73	
			For Aluminum, Clear Anodized Finish, Add	53.74	
			For Aluminum, Dark Anodized Finish, Add	62.01	
			For Galvanizing, Add	45.47	
			For Wrought Iron, Add	10.86	
			For Solid Steel Rails, Add	21.72	
			For 304 Stainless Steel, Add	264.58	
			For 316 Stainless Steel, Add	297.65	
			For 2" Wheel Guard, Add	7.85	
			For 4" High Kick Plate, Add	10.34	
			For 6" High Kick Plate, Add	16.54	
			For Curved Rail, Add	57.38	
			For Mounting On Stairs, Add	32.57	
			For Mounting On Slopes, Add	10.86	
			For Post Base Flange With Screws, Add Per Post	20.09	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.39	
			For Custom Design Or Shapes (Square Tops, etc), Add	47.82	
			For Nylon Coating, Add	12.40	
05 52 13 00-0025	LF		2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing .....	126.19	12.95
			For Schedule 80 Handrail, Add	10.87	
			For 11 Gauge A513 Steel Tubing, Deduct	-22.06	
			For 12 Gauge A513 Steel Tubing, Deduct	-25.07	
			For 14 Gauge A513 Steel Tubing, Deduct	-33.10	
			For 16 Gauge A513 Steel Tubing, Deduct	-39.11	
			For Additional Off Set Handrail, ADA Attachment, Add	13.67	
			For Aluminum, Satin Finish, Add	42.12	
			For Aluminum, Clear Anodized Finish, Add	65.19	
			For Aluminum, Dark Anodized Finish, Add	75.22	
			For Galvanizing, Add	55.16	
			For Wrought Iron, Add	12.62	
			For Solid Steel Rails, Add	25.24	
			For 304 Stainless Steel, Add	320.93	
			For 316 Stainless Steel, Add	361.04	
			For 2" Wheel Guard, Add	9.53	
			For 4" High Kick Plate, Add	12.54	
			For 6" High Kick Plate, Add	20.06	
			For Curved Rail, Add	67.94	
			For Mounting On Stairs, Add	37.86	
			For Mounting On Slopes, Add	12.62	
			For Post Base Flange With Screws, Add Per Post	20.09	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.39	
			For Custom Design Or Shapes (Square Tops, etc), Add	56.62	
			For Nylon Coating, Add	15.04	
05 52 13 00-0026			<b>Railing Infill Panels</b> <small>(05 52 13)</small>		
			Note: Includes field welds and touch-up of welds.		
05 52 13 00-0027			<b>Wire Mesh Or Welded Wire Mesh, Railing Infill Panels</b> <small>(05 52 13 00-0026)</small>		
			Note: Square weave or square welded wire mesh.		
05 52 13 00-0028	SF		Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel.....	10.32	
05 52 13 00-0029	SF		Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel.....	10.96	
05 52 13 00-0030	SF		Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel.....	11.52	
05 52 13 00-0031	SF		Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel.....	19.48	
05 52 13 00-0032			<b>Perforated Metal, Railing Infill Panels</b> <small>(05 52 13 00-0026)</small>		
05 52 13 00-0033	SF		Powder Coated Steel, Perforated Metal, Railing Infill Panel .....	10.12	
05 52 13 00-0034	SF		Galvanized Steel, Perforated Metal, Railing Infill Panel .....	10.46	
05 52 13 00-0035	SF		Aluminum, Perforated Metal, Railing Infill Panel .....	11.20	
05 52 13 00-0036	SF		Stainless Steel, Perforated Metal, Railing Infill Panel.....	22.48	
05 52 13 00-0037			<b>Expanded Metal, Railing Infill Panels</b> <small>(05 52 13 00-0026)</small>		
05 52 13 00-0038	SF		Powder Coated Steel, Expanded Metal, Railing Infill Panel.....	4.57	
05 52 13 00-0039	SF		Galvanized Steel, Expanded Metal, Railing Infill Panel.....	9.33	
05 52 13 00-0040	SF		Aluminum, Expanded Metal, Railing Infill Panel.....	12.25	
05 52 13 00-0041	SF		Stainless Steel, Expanded Metal, Railing Infill Panel.....	18.26	
05 52 13 00-0042			<b>Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings</b> <small>(05 52 13)</small>		
			Note: Includes factory primed, fasteners and field touch-up of welds.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0043 LF 1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	32.40	5.55
For Schedule 80 Handrail, Add	1.90	
For 11 Gauge A513 Steel Tubing, Deduct	-4.08	
For 12 Gauge A513 Steel Tubing, Deduct	-4.63	
For 14 Gauge A513 Steel Tubing, Deduct	-6.11	
For 16 Gauge A513 Steel Tubing, Deduct	-7.23	
For Stainless Steel, Add	37.06	
For Aluminum, Satin Finish, Add	7.78	
For Curved Rail, Add	9.72	
For Aluminum, Clear Anodized Finish, Add	12.04	
For Aluminum, Dark Anodized Finish, Add	13.90	
For Galvanized Finish, Add	5.56	
05 52 13 00-0044 LF 1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	33.00	5.55
For Schedule 80 Handrail, Add	2.14	
For 11 Gauge A513 Steel Tubing, Deduct	-4.21	
For 12 Gauge A513 Steel Tubing, Deduct	-4.78	
For 14 Gauge A513 Steel Tubing, Deduct	-6.31	
For 16 Gauge A513 Steel Tubing, Deduct	-7.46	
For Stainless Steel, Add	38.26	
For Aluminum, Satin Finish, Add	8.03	
For Curved Rail, Add	9.90	
For Aluminum, Clear Anodized Finish, Add	12.43	
For Aluminum, Dark Anodized Finish, Add	14.35	
For Galvanized Finish, Add	5.74	
05 52 13 00-0045 LF 1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	33.60	5.55
For Schedule 80 Handrail, Add	5.39	
For 11 Gauge A513 Steel Tubing, Deduct	-4.34	
For 12 Gauge A513 Steel Tubing, Deduct	-4.93	
For 14 Gauge A513 Steel Tubing, Deduct	-6.51	
For 16 Gauge A513 Steel Tubing, Deduct	-7.69	
For Stainless Steel, Add	39.46	
For Aluminum, Satin Finish, Add	8.29	
For Curved Rail, Add	10.08	
For Aluminum, Clear Anodized Finish, Add	12.82	
For Aluminum, Dark Anodized Finish, Add	14.80	
For Galvanized Finish, Add	5.92	
05 52 13 00-0046 LF 2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	40.47	5.55
For Schedule 80 Handrail, Add	2.59	
For 11 Gauge A513 Steel Tubing, Deduct	-5.85	
For 12 Gauge A513 Steel Tubing, Deduct	-6.65	
For 14 Gauge A513 Steel Tubing, Deduct	-8.78	
For 16 Gauge A513 Steel Tubing, Deduct	-10.37	
For Stainless Steel, Add	53.20	
For Aluminum, Satin Finish, Add	11.17	
For Curved Rail, Add	12.14	
For Aluminum, Clear Anodized Finish, Add	17.29	
For Aluminum, Dark Anodized Finish, Add	19.95	
For Galvanized Finish, Add	7.98	
05 52 13 00-0047 LF 2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	46.15	5.55
For Schedule 80 Handrail, Add	2.79	
For 11 Gauge A513 Steel Tubing, Deduct	-7.10	
For 12 Gauge A513 Steel Tubing, Deduct	-8.07	
For 14 Gauge A513 Steel Tubing, Deduct	-10.65	
For 16 Gauge A513 Steel Tubing, Deduct	-12.59	
For Stainless Steel, Add	64.56	
For Aluminum, Satin Finish, Add	13.56	
For Curved Rail, Add	13.85	
For Aluminum, Clear Anodized Finish, Add	20.98	
For Aluminum, Dark Anodized Finish, Add	24.21	
For Galvanized Finish, Add	9.68	
<b>05 52 13 00-0048 Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings</b> <small>(05 52 13)</small>		
Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0049 LF 1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing .....	39.43	5.83
For Schedule 80 Handrail, Add	1.90	
For 11 Gauge A513 Steel Tubing, Deduct	-5.62	
For 12 Gauge A513 Steel Tubing, Deduct	-6.39	
For 14 Gauge A513 Steel Tubing, Deduct	-8.43	
For 16 Gauge A513 Steel Tubing, Deduct	-9.97	
For Stainless Steel, Add	51.12	
For Aluminum, Satin Finish, Add	10.74	
For Curved Rail, Add	11.83	
For Aluminum, Clear Anodized Finish, Add	16.61	
For Aluminum, Dark Anodized Finish, Add	19.17	
For Galvanized Finish, Add	7.67	
05 52 13 00-0050 LF 1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing .....	40.26	5.83
For Schedule 80 Handrail, Add	2.14	
For 11 Gauge A513 Steel Tubing, Deduct	-5.81	
For 12 Gauge A513 Steel Tubing, Deduct	-6.60	
For 14 Gauge A513 Steel Tubing, Deduct	-8.71	
For 16 Gauge A513 Steel Tubing, Deduct	-10.29	
For Stainless Steel, Add	52.78	
For Aluminum, Satin Finish, Add	11.08	
For Curved Rail, Add	12.08	
For Aluminum, Clear Anodized Finish, Add	17.15	
For Aluminum, Dark Anodized Finish, Add	19.79	
For Galvanized Finish, Add	7.92	

**05 Metals****05 50 Metal Fabrications****05 52 Metal Railings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 52 13 00-0051	LF	1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing .....	40.89		5.83
		For Schedule 80 Handrail, Add	5.39		
		For 11 Gauge A513 Steel Tubing, Deduct	-5.94		
		For 12 Gauge A513 Steel Tubing, Deduct	-6.76		
		For 14 Gauge A513 Steel Tubing, Deduct	-8.92		
		For 16 Gauge A513 Steel Tubing, Deduct	-10.54		
		For Stainless Steel, Add	54.04		
		For Aluminum, Satin Finish, Add	11.35		
		For Curved Rail, Add	12.27		
		For Aluminum, Clear Anodized Finish, Add	17.56		
		For Aluminum, Dark Anodized Finish, Add	20.27		
		For Galvanized Finish, Add	8.11		
05 52 13 00-0052	LF	2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing .....	50.48		5.83
		For Schedule 80 Handrail, Add	2.59		
		For 11 Gauge A513 Steel Tubing, Deduct	-8.05		
		For 12 Gauge A513 Steel Tubing, Deduct	-9.15		
		For 14 Gauge A513 Steel Tubing, Deduct	-12.08		
		For 16 Gauge A513 Steel Tubing, Deduct	-14.28		
		For Stainless Steel, Add	73.22		
		For Aluminum, Satin Finish, Add	15.38		
		For Curved Rail, Add	15.14		
		For Aluminum, Clear Anodized Finish, Add	23.80		
		For Aluminum, Dark Anodized Finish, Add	27.46		
		For Galvanized Finish, Add	10.98		
05 52 13 00-0053	LF	2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing .....	56.76		5.83
		For Schedule 80 Handrail, Add	2.79		
		For 11 Gauge A513 Steel Tubing, Deduct	-9.44		
		For 12 Gauge A513 Steel Tubing, Deduct	-10.72		
		For 14 Gauge A513 Steel Tubing, Deduct	-14.15		
		For 16 Gauge A513 Steel Tubing, Deduct	-16.73		
		For Stainless Steel, Add	85.78		
		For Aluminum, Satin Finish, Add	18.01		
		For Curved Rail, Add	17.03		
		For Aluminum, Clear Anodized Finish, Add	27.88		
		For Aluminum, Dark Anodized Finish, Add	32.17		
		For Galvanized Finish, Add	12.87		
05 52 13 00-0054		<b>Railing Accessories</b> (05 52 13)			
05 52 13 00-0055	EA	Anti-Skateboard Devise Attached To Stair Railing.....	40.03		19.72
05 52 13 00-0056		<b>Remove And Reinstall Pipe Railing</b> (05 52 13)			
05 52 13 00-0057	LF	Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing .....	20.82		
05 52 13 00-0058	LF	Removal And Reinstallation Of Floor Mounted Pipe Railing .....	27.35		
05 52 13 00-0059	EA	Install New Galvanized Steel Pipe Railing Bracket .....	50.46		
		For Stainless Steel, Add	45.42		
05 53		<b>Metal Gratings</b> (05 50)			
05 53 13		<b>Bar Gratings</b> (05 53)			
05 53 13 00-0001		<b>Welded Grating</b> (05 53 13)			
		Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.			
05 53 13 00-0002		<b>Steel, Welded Grating</b> (05 53 13 00-0001)			
		Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.			
05 53 13 00-0003	SF	3/4" x 1/8" Steel, Welded Grating.....	7.90		1.02
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	1.00		
		For 304 Stainless Steel, Add	18.84		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	1.71		
		For Crossbars At 2" On-Center, Add	0.63		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.51		
05 53 13 00-0004	SF	3/4" x 3/16" Steel, Welded Grating.....	10.33		1.02
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	1.41		
		For 304 Stainless Steel, Add	26.64		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	2.42		
		For Crossbars At 2" On-Center, Add	0.90		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.57		
05 53 13 00-0005	SF	1" x 1/8" Steel, Welded Grating.....	9.47		1.02
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	1.26		
		For 304 Stainless Steel, Add	23.88		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	2.17		
		For Crossbars At 2" On-Center, Add	0.80		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.55		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0006	SF	1" x 3/16"	Steel, Welded Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	12.77 0.22 1.83 34.48 3.14 1.16 0.16 -1.63	1.02
05 53 13 00-0007	SF	1" x 1/4"	Steel, Welded Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	16.07 0.22 2.39 45.07 4.10 1.52 0.16 -1.71	1.02
05 53 13 00-0008	SF	1-1/4" x 1/8"	Steel, Welded Grating ..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	11.05 0.22 1.53 28.95 2.63 0.97 0.16 -1.59	1.02
05 53 13 00-0009	SF	1-1/4" x 3/16"	Steel, Welded Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	15.06 0.22 2.22 41.83 3.80 1.41 0.16 -1.69	1.02
05 53 13 00-0010	SF	1-1/2" x 1/8"	Steel, Welded Grating ..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	12.63 0.22 1.80 34.03 3.10 1.14 0.16 -1.63	1.02
05 53 13 00-0011	SF	1-1/2" x 3/16"	Steel, Welded Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	17.93 0.22 2.62 49.56 4.51 1.67 0.16 -2.05	1.25
05 53 13 00-0012	SF	1-1/2" x 1/4"	Steel, Welded Grating ..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	22.95 0.22 3.48 65.68 5.97 2.21 0.16 -2.18	1.25
05 53 13 00-0013	SF	1-3/4" x 3/16"	Steel, Welded Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	20.38 0.22 3.04 57.43 5.22 1.93 0.16 -2.12	1.25
05 53 13 00-0014	SF	2" x 3/16"	Steel, Welded Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	22.68 0.22 3.43 64.81 5.90 2.18 0.16 -2.17	1.25
05 53 13 00-0015	SF	2-1/4" x 3/16"	Steel, Welded Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	25.11 0.22 3.85 72.61 6.61 2.44 0.16 -2.23	1.25

## 05 Metals

## 05 50 Metal Fabrications

## 05 53 Metal Gratings

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 53 13 00-0016	SF	2-1/2" x 3/16" Steel, Welded Grating.....	27.40	1.25
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	4.23	
		For 304 Stainless Steel, Add	79.96	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	7.27	
		For Crossbars At 2" On-Center, Add	2.69	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.29	
05 53 13 00-0017		<b>Pressure Locked Grating</b> (05 53 13)		
		Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
05 53 13 00-0018		<b>Steel, Pressure Locked Grating</b> (05 53 13 00-0017)		
		Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019	SF	3/4" x 1/8" Steel, Pressure Locked Grating.....	14.28	1.02
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	2.01	
		For 304 Stainless Steel, Add	22.92	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	3.58	
		For Crossbars At 2" On-Center, Add	1.32	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.67	
05 53 13 00-0020	SF	3/4" x 3/16" Steel, Pressure Locked Grating.....	17.40	1.02
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	2.52	
		For 304 Stainless Steel, Add	28.76	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	4.49	
		For Crossbars At 2" On-Center, Add	1.66	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.74	
05 53 13 00-0021	SF	1" x 1/8" Steel, Pressure Locked Grating.....	15.62	1.02
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	2.23	
		For 304 Stainless Steel, Add	25.43	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	3.97	
		For Crossbars At 2" On-Center, Add	1.47	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.70	
05 53 13 00-0022	SF	1" x 3/16" Steel, Pressure Locked Grating.....	20.98	1.02
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.11	
		For 304 Stainless Steel, Add	35.46	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 7/16" On-Center, Add	27.48	
		For Bearing Bars At 15/16" On-Center, Add	5.53	
		For Crossbars At 2" On-Center, Add	2.05	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.83	
05 53 13 00-0023	SF	1-1/4" x 1/8" Steel, Pressure Locked Grating.....	17.40	1.02
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	2.52	
		For 304 Stainless Steel, Add	28.76	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	4.49	
		For Crossbars At 2" On-Center, Add	1.66	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.74	
05 53 13 00-0024	SF	1-1/4" x 3/16" Steel, Pressure Locked Grating.....	23.47	1.02
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.52	
		For 304 Stainless Steel, Add	40.11	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	6.26	
		For Crossbars At 2" On-Center, Add	2.32	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.90	
05 53 13 00-0025	SF	1-1/2" x 1/8" Steel, Pressure Locked Grating.....	19.28	1.02
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	2.83	
		For 304 Stainless Steel, Add	32.27	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	5.04	
		For Crossbars At 2" On-Center, Add	1.86	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0026	SF		1-1/2" x 3/16" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 7/16" On-Center, Add For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	26.53 0.22 3.94 44.98 34.86 7.02 2.60 0.16 -2.27	1.25
05 53 13 00-0027	SF		1-3/4" x 3/16" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	29.16 0.22 4.37 49.90 7.79 2.88 0.16 -2.34	1.25
05 53 13 00-0028	SF		2" x 3/16" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	31.29 0.22 4.72 53.88 8.41 3.11 0.16 -2.39	1.25
05 53 13 00-0029	SF		2-1/4" x 3/16" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	33.34 0.22 5.06 57.72 9.01 3.33 0.16 -2.44	1.25
05 53 13 00-0030	SF		2-1/2" x 3/16" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	35.12 0.22 5.35 61.05 9.53 3.52 0.16 -2.48	1.25
05 53 13 00-0031			<b>Aluminum, Type 6063, Pressure Locked Grating</b> (05 53 13 00-0017) Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		
05 53 13 00-0032	SF		3/4" x 1/8" Aluminum, Pressure Locked Grating ..... For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Set In Place Without Bolting, Deduct For Powder Coating, Add	16.68 4.28 1.58 -1.73 2.20	1.02
05 53 13 00-0033	SF		3/4" x 3/16" Aluminum, Pressure Locked Grating ..... For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Set In Place Without Bolting, Deduct For Powder Coating, Add	22.68 6.03 2.23 -1.88 3.10	1.02
05 53 13 00-0034	SF		1" x 1/8" Aluminum, Pressure Locked Grating ..... For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting, Deduct For Powder Coating, Add	21.39 5.65 2.09 0.16 -1.84 2.90	1.02
05 53 13 00-0035	SF		1" x 3/16" Aluminum, Pressure Locked Grating ..... For Bearing Bars At 7/16" On-Center, Add For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting, Deduct For Powder Coating, Add	29.15 39.32 7.92 2.93 0.16 -2.04 4.07	1.02
05 53 13 00-0036	SF		1-1/4" x 1/8" Aluminum, Pressure Locked Grating ..... For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting, Deduct For Powder Coating, Add	24.80 6.65 2.46 0.16 -1.93 3.42	1.02
05 53 13 00-0037	SF		1-1/4" x 3/16" Aluminum, Pressure Locked Grating ..... For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting, Deduct For Powder Coating, Add	33.26 9.12 3.37 0.16 -2.14 4.68	1.02
05 53 13 00-0038	SF		1-1/2" x 1/8" Aluminum, Pressure Locked Grating ..... For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting, Deduct For Powder Coating, Add	28.01 7.59 2.81 0.16 -2.01 3.90	1.02

## 05 Metals

## 05 50 Metal Fabrications

## 05 53 Metal Gratings

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 53 13 00-0039	SF	1-1/2" x 3/16" Aluminum, Pressure Locked Grating .....	37.51	1.02
		For Bearing Bars At 7/16" On-Center, Add	51.45	
		For Bearing Bars At 15/16" On-Center, Add	10.36	
		For Crossbars At 2" On-Center, Add	3.83	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.25	
		For Powder Coating, Add	5.32	
05 53 13 00-0040	SF	1-3/4" x 3/16" Aluminum, Pressure Locked Grating .....	41.57	1.02
		For Bearing Bars At 15/16" On-Center, Add	11.55	
		For Crossbars At 2" On-Center, Add	4.27	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.35	
		For Powder Coating, Add	5.93	
05 53 13 00-0041	SF	2" x 3/16" Aluminum, Pressure Locked Grating .....	46.38	1.02
		For Bearing Bars At 15/16" On-Center, Add	12.95	
		For Crossbars At 2" On-Center, Add	4.79	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.47	
		For Powder Coating, Add	6.65	
05 53 13 00-0042	SF	2-1/4" x 3/16" Aluminum, Pressure Locked Grating .....	50.16	1.02
		For Bearing Bars At 15/16" On-Center, Add	14.05	
		For Crossbars At 2" On-Center, Add	5.20	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.56	
		For Powder Coating, Add	7.22	
05 53 13 00-0043	SF	2-1/2" x 3/16" Aluminum, Pressure Locked Grating .....	54.66	1.02
		For Bearing Bars At 15/16" On-Center, Add	15.37	
		For Crossbars At 2" On-Center, Add	5.68	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.68	
		For Powder Coating, Add	7.89	
05 53 13 00-0044		<b>Swage Locked Grating</b> <small>(05 53 13)</small> Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.		
05 53 13 00-0045		<b>Steel, Swage Locked Grating</b> <small>(05 53 13 00-0044)</small> Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0046	SF	1" x 3/16" Steel, Swaged Grating .....	22.89	1.02
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	1.92	
		For 304 Stainless Steel, Add	34.59	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	13.35	
		For Crossbars At 2" On-Center, Add	1.67	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.88	
05 53 13 00-0047	SF	1-1/4" x 3/16" Steel, Swaged Grating .....	25.47	1.02
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	2.16	
		For 304 Stainless Steel, Add	38.86	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	15.00	
		For Crossbars At 2" On-Center, Add	1.88	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.95	
05 53 13 00-0048	SF	1-1/2" x 3/16" Steel, Swaged Grating .....	27.94	1.25
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	2.34	
		For 304 Stainless Steel, Add	42.20	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	16.29	
		For Crossbars At 2" On-Center, Add	2.04	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.30	
05 53 13 00-0049	SF	1-3/4" x 3/16" Steel, Swaged Grating .....	31.88	1.25
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	2.70	
		For 304 Stainless Steel, Add	48.73	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	18.81	
		For Crossbars At 2" On-Center, Add	2.35	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.40	
05 53 13 00-0050	SF	2" x 3/16" Steel, Swaged Grating .....	35.85	1.25
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.07	
		For 304 Stainless Steel, Add	55.31	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	21.35	
		For Crossbars At 2" On-Center, Add	2.67	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 53 13 00-0051	SF		2-1/4" x 3/16" Steel, Swaged Grating.....	39.79	1.25
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.43	
			For 304 Stainless Steel, Add	61.84	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	23.87	
			For Crossbars At 2" On-Center, Add	2.98	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.60	
05 53 13 00-0052	SF		2-1/2" x 3/16" Steel, Swaged Grating.....	43.75	1.25
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.80	
			For 304 Stainless Steel, Add	68.41	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	26.41	
			For Crossbars At 2" On-Center, Add	3.30	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.70	

**05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked** (05 53 13 00-0044)

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

05 53 13 00-0054	SF		1" x 1/8" Aluminum, Swaged Grating.....	19.73	1.02
			For Bearing Bars At 15/16" On-Center, Add	11.33	
			For Crossbars At 2" On-Center, Add	1.42	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.80	
			For Powder Coating, Add	2.66	
05 53 13 00-0055	SF		1" x 3/16" Aluminum, Swaged Grating.....	25.65	1.02
			For Bearing Bars At 15/16" On-Center, Add	15.12	
			For Crossbars At 2" On-Center, Add	1.89	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.95	
			For Powder Coating, Add	3.54	
05 53 13 00-0056	SF		1-1/4" x 1/8" Aluminum, Swaged Grating.....	22.39	1.02
			For Bearing Bars At 15/16" On-Center, Add	13.03	
			For Crossbars At 2" On-Center, Add	1.63	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.87	
			For Powder Coating, Add	3.05	
05 53 13 00-0057	SF		1-1/4" x 3/16" Aluminum, Swaged Grating.....	29.64	1.02
			For Bearing Bars At 15/16" On-Center, Add	17.67	
			For Crossbars At 2" On-Center, Add	2.21	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.05	
			For Powder Coating, Add	4.14	
05 53 13 00-0058	SF		1-1/2" x 1/8" Aluminum, Swaged Grating.....	25.55	1.02
			For Bearing Bars At 15/16" On-Center, Add	15.05	
			For Crossbars At 2" On-Center, Add	1.88	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.95	
			For Powder Coating, Add	3.53	
05 53 13 00-0059	SF		1-1/2" x 3/16" Aluminum, Swaged Grating.....	33.91	1.02
			For Bearing Bars At 15/16" On-Center, Add	20.40	
			For Crossbars At 2" On-Center, Add	2.55	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.16	
			For Powder Coating, Add	4.78	
05 53 13 00-0060	SF		1-3/4" x 3/16" Aluminum, Swaged Grating.....	38.83	1.02
			For Bearing Bars At 15/16" On-Center, Add	23.55	
			For Crossbars At 2" On-Center, Add	2.94	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.28	
			For Powder Coating, Add	5.52	
05 53 13 00-0061	SF		2" x 3/16" Aluminum, Swaged Grating.....	43.72	1.02
			For Bearing Bars At 15/16" On-Center, Add	26.68	
			For Crossbars At 2" On-Center, Add	3.34	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.40	
			For Powder Coating, Add	6.25	
05 53 13 00-0062	SF		2-1/4" x 3/16" Aluminum, Swaged Grating.....	48.63	1.02
			For Bearing Bars At 15/16" On-Center, Add	29.82	
			For Crossbars At 2" On-Center, Add	3.73	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.53	
			For Powder Coating, Add	6.99	
05 53 13 00-0063	SF		2-1/2" x 3/16" Aluminum, Swaged Grating.....	53.52	1.02
			For Bearing Bars At 15/16" On-Center, Add	32.95	
			For Crossbars At 2" On-Center, Add	4.12	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.65	
			For Powder Coating, Add	7.72	

**05 53 13 00-0064 Riveted Grating** (05 53 13)

Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.

## 05 Metals

## 05 50 Metal Fabrications

## 05 53 Metal Gratings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0065			<b>Steel, Riveted Grating</b> (05 53 13 00-0064) Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		
05 53 13 00-0066	SF		3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating.....	42.84	1.02
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.96	
			For 304 Stainless Steel, Add	35.06	
			For 5/8" Clear Opening, Add	14.08	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.38	
05 53 13 00-0067	SF		3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating.....	50.31	1.02
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.32	
			For 304 Stainless Steel, Add	41.47	
			For 5/8" Clear Opening, Add	16.66	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.57	
05 53 13 00-0068	SF		1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating.....	46.28	1.02
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.12	
			For 304 Stainless Steel, Add	38.01	
			For 5/8" Clear Opening, Add	15.27	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.47	
05 53 13 00-0069	SF		1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating.....	53.16	1.02
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.45	
			For 304 Stainless Steel, Add	43.92	
			For 5/8" Clear Opening, Add	17.64	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.64	
05 53 13 00-0070	SF		1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating.....	49.13	1.02
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.26	
			For 304 Stainless Steel, Add	40.46	
			For 5/8" Clear Opening, Add	16.25	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.54	
05 53 13 00-0071	SF		1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating.....	58.46	1.02
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.71	
			For 304 Stainless Steel, Add	48.47	
			For 5/8" Clear Opening, Add	19.47	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.77	
05 53 13 00-0072	SF		1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating.....	52.33	1.25
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.39	
			For 304 Stainless Steel, Add	42.81	
			For 5/8" Clear Opening, Add	17.19	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.91	
05 53 13 00-0073	SF		1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating.....	62.30	1.25
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.87	
			For 304 Stainless Steel, Add	51.38	
			For 5/8" Clear Opening, Add	20.63	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.16	
05 53 13 00-0074	SF		1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating.....	67.39	1.25
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.12	
			For 304 Stainless Steel, Add	55.75	
			For 5/8" Clear Opening, Add	22.39	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.29	
05 53 13 00-0075	SF		2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating.....	78.76	1.25
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.66	
			For 304 Stainless Steel, Add	65.52	
			For 5/8" Clear Opening, Add	26.31	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.58	
05 53 13 00-0076	SF		2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating.....	82.72	1.25
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.85	
			For 304 Stainless Steel, Add	68.92	
			For 5/8" Clear Opening, Add	27.68	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.67	
05 53 13 00-0077	SF		2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating.....	86.24	1.25
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.02	
			For 304 Stainless Steel, Add	71.94	
			For 5/8" Clear Opening, Add	28.89	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.76	
05 53 13 00-0078			<b>Aluminum, Riveted Grating</b> (05 53 13 00-0064) Note: 1" clear opening, bolted in place and in all sizes.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0079	SF		3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating .....	42.45	1.02
			<i>For 5/8" Clear Opening, Add</i>	13.94	
			<i>For Powder Coating, Add</i>	6.06	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.37	
05 53 13 00-0080	SF		3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating .....	50.44	1.02
			<i>For 5/8" Clear Opening, Add</i>	16.70	
			<i>For Powder Coating, Add</i>	7.26	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.57	
05 53 13 00-0081	SF		1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating .....	46.72	1.02
			<i>For 5/8" Clear Opening, Add</i>	15.42	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	6.70	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.48	
05 53 13 00-0082	SF		1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating .....	54.53	1.02
			<i>For 5/8" Clear Opening, Add</i>	18.11	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	7.88	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.67	
05 53 13 00-0083	SF		1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating .....	52.44	1.02
			<i>For 5/8" Clear Opening, Add</i>	17.39	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	7.56	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.62	
05 53 13 00-0084	SF		1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating .....	63.28	1.02
			<i>For 5/8" Clear Opening, Add</i>	21.13	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	9.19	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.89	
05 53 13 00-0085	SF		1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating .....	56.34	1.02
			<i>For 5/8" Clear Opening, Add</i>	18.74	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	8.15	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.72	
05 53 13 00-0086	SF		1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating .....	70.11	1.02
			<i>For 5/8" Clear Opening, Add</i>	23.49	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	10.21	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.06	
05 53 13 00-0087	SF		1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating .....	77.33	1.02
			<i>For 5/8" Clear Opening, Add</i>	25.98	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	11.30	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.24	
05 53 13 00-0088	SF		2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating .....	92.16	1.02
			<i>For 5/8" Clear Opening, Add</i>	31.09	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	13.52	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.61	
05 53 13 00-0089	SF		2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating .....	100.57	1.02
			<i>For 5/8" Clear Opening, Add</i>	34.00	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	14.78	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.82	
05 53 13 00-0090	SF		2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating .....	111.85	1.02
			<i>For 5/8" Clear Opening, Add</i>	37.89	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	16.47	
			<i>For Set In Place Without Bolting, Deduct</i>	-4.11	

**05 53 16 Plank Gratings** (05 53)

**05 53 16 00-0001 Grate-Lock Steel Plank Grating** (05 53 16)

Note: Smooth or traction grip surface.

05 53 16 00-0002	SF		1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating .....	12.53	0.78
			<i>For Stair Tread Application, Add</i>	1.49	
05 53 16 00-0003	SF		2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating .....	13.42	0.97
			<i>For Stair Tread Application, Add</i>	1.63	
05 53 16 00-0004	SF		3" Height, 18 Gauge Steel Grate-Lock Plank Grating .....	14.15	1.06
			<i>For Stair Tread Application, Add</i>	1.73	
05 53 16 00-0005	SF		4" Height, 18 Gauge Steel Grate-Lock Plank Grating .....	15.46	1.15
			<i>For Stair Tread Application, Add</i>	1.89	
05 53 16 00-0006	SF		1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating .....	15.22	0.88
			<i>For Stair Tread Application, Add</i>	1.79	
05 53 16 00-0007	SF		2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating .....	16.23	1.06
			<i>For Stair Tread Application, Add</i>	1.94	
05 53 16 00-0008	SF		1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating .....	18.65	1.02
			<i>For Stair Tread Application, Add</i>	2.17	
05 53 16 00-0009	SF		2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating .....	19.92	1.25
			<i>For Stair Tread Application, Add</i>	2.37	
05 53 16 00-0010	SF		3" Height, 14 Gauge Steel Grate-Lock Plank Grating .....	21.41	1.58
			<i>For Stair Tread Application, Add</i>	2.61	
05 53 16 00-0011	SF		4" Height, 14 Gauge Steel Grate-Lock Plank Grating .....	23.64	1.76
			<i>For Stair Tread Application, Add</i>	2.89	

**05 54 Metal Floor Plates** (05 50)

**05 54 00 00-0001 Steel Floor Plates** (05 54)

05 54 00 00-0002	SF		16 Gauge Steel Raised Or Diamond Pattern Floor Plates .....	13.66	1.21
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**05 Metals**  
**05 50 Metal Fabrications**  
**05 54 Metal Floor Plates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 54 00 00-0003	SF		14 Gauge Steel Raised Or Diamond Pattern Floor Plates .....	15.57	1.21
05 54 00 00-0004	SF		12 Gauge Steel Raised Or Diamond Pattern Floor Plates .....	19.42	1.21
05 54 00 00-0005	SF		1/8" Steel Raised Or Diamond Pattern Floor Plates.....	25.94	1.30
05 54 00 00-0006	SF		1/4" Steel Raised Or Diamond Pattern Floor Plates.....	32.85	1.39
<b>05 54 00 00-0007</b>			<b>Aluminum Alloy Floor Plates</b> (05 54)		
05 54 00 00-0008	SF		0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	21.17	1.02
			<i>For Powder Coating, Add</i>	2.87	
05 54 00 00-0009	SF		0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	24.29	1.21
			<i>For Powder Coating, Add</i>	3.30	
05 54 00 00-0010	SF		0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	27.42	1.30
			<i>For Powder Coating, Add</i>	3.72	
<b>05 54 00 00-0011</b>			<b>Type 304 Stainless Steel Floor Plates</b> (05 54)		
05 54 00 00-0012	SF		1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	27.13	1.39
05 54 00 00-0013	SF		3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	32.41	1.58
05 54 00 00-0014	SF		1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate.....	41.93	1.85
<b>05 55 Metal Stair Treads and Nosings</b> (05 50)					
<b>05 55 13 Metal Stair Treads</b> (05 55)					
<b>05 55 13 00-0001</b>			<b>Abrasive Cast Aluminum Stair Treads</b> (05 55 13)		
			Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
05 55 13 00-0002	LF		8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	52.18	5.77
			<i>For 3/8" Thick, Add</i>	10.74	
05 55 13 00-0003	LF		9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	57.27	5.77
			<i>For 3/8" Thick, Add</i>	12.01	
05 55 13 00-0004	LF		10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	62.34	5.77
			<i>For 3/8" Thick, Add</i>	13.28	
05 55 13 00-0005	LF		11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	67.45	5.77
			<i>For 3/8" Thick, Add</i>	14.56	
05 55 13 00-0006	LF		12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	72.51	5.77
			<i>For 3/8" Thick, Add</i>	15.82	
<b>05 55 13 00-0007</b>			<b>Abrasive Cast Iron Stair Treads</b> (05 55 13)		
			Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
05 55 13 00-0008	LF		8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread .....	71.91	5.77
05 55 13 00-0009	LF		9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread .....	79.45	5.77
05 55 13 00-0010	LF		10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread .....	87.01	5.77
05 55 13 00-0011	LF		11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread .....	94.55	5.77
05 55 13 00-0012	LF		12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread .....	102.11	5.77
<b>05 55 13 00-0013</b>			<b>Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads</b> (05 55 13)		
			Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0014	LF		6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	28.37	5.77
05 55 13 00-0015	LF		9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread .....	32.98	5.77
05 55 13 00-0016	LF		11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread .....	35.01	5.77
<b>05 55 13 00-0017</b>			<b>Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads</b> (05 55 13)		
			Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0018	LF		8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread .....	41.10	5.77
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	3.20	
			<i>For Two Color Tread, Add</i>	2.40	
05 55 13 00-0019	LF		9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread .....	41.48	5.77
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	3.20	
			<i>For Two Color Tread, Add</i>	2.40	
05 55 13 00-0020	LF		11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread .....	49.77	5.77
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	3.20	
			<i>For Two Color Tread, Add</i>	2.40	
05 55 13 00-0021	LF		12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread .....	57.04	5.77
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	3.20	
			<i>For Two Color Tread, Add</i>	2.40	
05 55 13 00-0022	LF		15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread .....	66.52	5.77
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	3.20	
			<i>For Two Color Tread, Add</i>	2.40	
<b>05 55 13 00-0023</b>			<b>Stair Landing Treads</b> (05 55 13)		
<b>05 55 13 00-0024</b>			<b>Abrasive Cast Aluminum Stair Landing Treads</b> (05 55 13 00-0023)		
			Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025	SF		5/16" Thick, Abrasive Cast Aluminum Landing Treads .....	72.51	5.77
			<i>For 3/8" Thick, Add</i>	15.82	

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>05 55 13 00-0026</b>	<b>Abrasive Cast Iron Stair Landing Treads</b> <small>(05 55 13 00-0023)</small> Note: Includes abrasive diamond pattern surface and anchors.			
05 55 13 00-0027	SF 3/8" Thick, Abrasive Cast Iron Landing Treads.....	102.11		5.77

<b>05 55 13 00-0028</b>	<b>Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads</b> <small>(05 55 13 00-0023)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.			
05 55 13 00-0029	SF 9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads..... <i>For Epoxy Sealed For Corrosive Environment, Add</i>	67.35 3.20		5.77

<b>05 55 13 00-0030</b>	<b>Open Cast Iron Stair Tread</b> <small>(05 55 13)</small> Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.			
05 55 13 00-0031	RSR 3'-6" Wide, Open Cast Iron Stair Tread..... <i>For Closed Riser, Add</i>	474.80 40.52		37.01
05 55 13 00-0032	RSR 4'-0" Wide, Open Cast Iron Stair Tread..... <i>For Closed Riser, Add</i>	535.03 45.53		42.55
05 55 13 00-0033	RSR 5'-0" Wide, Open Cast Iron Stair Tread..... <i>For Closed Riser, Add</i>	590.73 50.19		49.95

**05 55 16 Metal Stair Nosings** (05 55)

<b>05 55 16 00-0001</b>	<b>Abrasive Cast Aluminum Nosings</b> <small>(05 55 16)</small> Note: Includes abrasive diamond pattern surface and anchors.			
05 55 16 00-0002	LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing..... <i>For 3/8" Thick, Add</i>	22.49 4.05		3.93
05 55 16 00-0003	LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing..... <i>For 3/8" Thick, Add</i>	27.41 5.28		3.93
05 55 16 00-0004	LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing..... <i>For 3/8" Thick, Add</i>	38.36 8.02		3.93

<b>05 55 16 00-0005</b>	<b>Abrasive Cast Iron Nosings</b> <small>(05 55 16)</small> Note: Includes abrasive diamond pattern surface and anchors.			
05 55 16 00-0006	LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... <i>For 3/8" Thick, Add</i>	26.08 4.95		3.93
05 55 16 00-0007	LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... <i>For 3/8" Thick, Add</i>	32.13 6.46		3.93
05 55 16 00-0008	LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... <i>For 3/8" Thick, Add</i>	44.09 9.45		3.93

<b>05 55 16 00-0009</b>	<b>Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings</b> <small>(05 55 16)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.			
05 55 16 00-0010	LF 1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	19.16		3.93
05 55 16 00-0011	LF 3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	21.53		3.93
05 55 16 00-0012	LF 4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	23.34		3.93
05 55 16 00-0013	LF 6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	28.96		3.93
05 55 16 00-0014	LF 1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	19.80		3.93
05 55 16 00-0015	LF 3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	21.82		3.93
05 55 16 00-0016	LF 4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	23.82		3.93
05 55 16 00-0017	LF 3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	22.60		3.93

**05 56 Metal Castings** (05 50)

<b>05 56 00 00-0001</b>	<b>Castings</b> <small>(05 56)</small>			
05 56 00 00-0002	LB Up To 150 LB, Miscellaneous Castings, Light Section.....	3.83		0.46
05 56 00 00-0003	LB >150 LB, Miscellaneous Castings, Heavy Section.....	6.36		0.37

**05 58 Formed Metal Fabrications** (05 50)

**05 58 16 Formed Metal Enclosures** (05 58)

<b>05 58 16 00-0001</b>	<b>Drip Pan</b> <small>(05 58 16)</small>			
05 58 16 00-0002	SF Stainless Steel Drip Pan.....	83.14		6.97
05 58 16 00-0003	SF Galvanized Steel Drip Pan.....	82.18		6.97
05 58 16 00-0004	SF Aluminum Drip Pan.....	58.12		5.58
05 58 16 00-0005	SF Plastic Drip Pan.....	17.27		4.88

**05 58 23 Formed Metal Guards** (05 58)

<b>05 58 23 00-0001</b>	<b>Protective Guard Rails</b> <small>(05 58 23)</small> Note: Includes painted finish.			
<b>05 58 23 00-0002</b>	<b>2-Rib, 11 Gauge Steel, Protective Guard Rails</b> <small>(05 58 23 00-0001)</small> Note: Steel King Armor Guard.			
<b>05 58 23 00-0003</b>	<b>Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails</b> <small>(05 58 23 00-0002)</small> Note: Excludes posts. Includes fasteners.			
05 58 23 00-0004	EA 1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	150.09		18.88

**05 Metals****05 50 Metal Fabrications****05 58 Formed Metal Fabrications**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 58 23 00-0005	EA	2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	175.53		18.88
05 58 23 00-0006	EA	3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	199.53		18.88
05 58 23 00-0007	EA	4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	224.98		18.88
05 58 23 00-0008	EA	5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	249.11		18.88
05 58 23 00-0009	EA	6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	280.40		18.88
05 58 23 00-0010	EA	7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	301.72		18.88
05 58 23 00-0011	EA	8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	334.73		18.88
05 58 23 00-0012	EA	9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	356.39		18.88
05 58 23 00-0013	EA	10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	371.87		18.88
<b>05 58 23 00-0014</b>		<b>Posts For 2-Rib Guard Rails</b> (05 58 23 00-0002)			
		Note: Includes drilling, surface mounting plate and anchors.			
05 58 23 00-0015	EA	12" Height, Single Rail Post For 2-Rib Guard Rails .....	304.21		39.33
05 58 23 00-0016	EA	42" Height, Triple Rail Post For 2-Rib Guard Rails .....	392.58		39.33
<b>05 58 23 00-0017</b>		<b>3-Rib, 11 Gauge Steel, Protective Guard Rails</b> (05 58 23 00-0001)			
		Note: Steel King Steel Guard.			
<b>05 58 23 00-0018</b>		<b>Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails</b> (05 58 23 00-0017)			
		Note: Excludes posts. Includes fasteners.			
05 58 23 00-0019	EA	1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	165.42		18.88
05 58 23 00-0020	EA	2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	182.34		18.88
05 58 23 00-0021	EA	3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	203.45		18.88
05 58 23 00-0022	EA	4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	223.19		18.88
05 58 23 00-0023	EA	5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	246.02		18.88
05 58 23 00-0024	EA	6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	257.02		18.88
05 58 23 00-0025	EA	7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	283.50		18.88
05 58 23 00-0026	EA	8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	305.85		18.88
05 58 23 00-0027	EA	9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	329.57		18.88
05 58 23 00-0028	EA	10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	353.64		18.88
<b>05 58 23 00-0029</b>		<b>Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails</b> (05 58 23 00-0017)			
		Note: Excludes posts. Includes fasteners and lift-out mounting plate.			
05 58 23 00-0030	EA	1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	241.55		18.88
05 58 23 00-0031	EA	2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	260.12		18.88
05 58 23 00-0032	EA	3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	279.37		18.88
05 58 23 00-0033	EA	4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	301.72		18.88
05 58 23 00-0034	EA	5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	324.07		18.88
05 58 23 00-0035	EA	6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	342.30		18.88
05 58 23 00-0036	EA	7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	363.27		18.88
05 58 23 00-0037	EA	8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	387.00		18.88
05 58 23 00-0038	EA	9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	412.44		18.88
05 58 23 00-0039	EA	10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	434.79		18.88
<b>05 58 23 00-0040</b>		<b>Posts For 3-Rib Guard Rails</b> (05 58 23 00-0017)			
		Note: Includes drilling, surface mounting plate and anchors.			
05 58 23 00-0041	EA	18" Height, Single Rail Post For 3-Rib Guard Rails .....	269.00		39.33
05 58 23 00-0042	EA	42" Height, Double Rail Post For 3-Rib Guard Rails .....	346.66		39.33
<b>05 58 23 00-0043</b>		<b>All-Welded, Protective Guards</b> (05 58 23)			
		Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.			
<b>05 58 23 00-0044</b>		<b>All-Welded, Protective Guards</b> (05 58 23 00-0043)			
05 58 23 00-0045	EA	36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	351.41		52.43
05 58 23 00-0046	EA	48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	368.60		52.43
05 58 23 00-0047	EA	36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	378.57		52.43
05 58 23 00-0048	EA	48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	393.36		52.43
05 58 23 00-0049	EA	36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	389.92		52.43
05 58 23 00-0050	EA	48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	408.14		52.43
05 58 23 00-0051	EA	36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	413.30		52.43
05 58 23 00-0052	EA	48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	419.15		52.43
05 58 23 00-0053	EA	48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	447.00		52.43
<b>05 58 23 00-0054</b>		<b>Corner Style, All-Welded, Protective Guards</b> (05 58 23 00-0043)			
05 58 23 00-0055	EA	24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard .....	458.00		52.43
05 58 23 00-0056	EA	30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard .....	478.63		52.43
05 58 23 00-0057	EA	24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard .....	487.23		52.43
05 58 23 00-0058	EA	30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard .....	529.52		52.43
<b>05 58 23 00-0059</b>		<b>Warehouse Safety Bollards</b> (05 58 23)			
		Note: Includes painted finish, drilling, surface mounting plate and anchors.			
05 58 23 00-0060	EA	24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	225.45		39.33
05 58 23 00-0061	EA	36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	259.42		39.33
05 58 23 00-0062	EA	42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	295.39		39.33
05 58 23 00-0063	EA	36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	305.22		39.33
05 58 23 00-0064	EA	42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	327.92		39.33

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 59 Metal Specialties (05 50)

**05 59 65 Metal Chain (05 59)**

05 59 65 00-0001 Alloy Steel Chain, Self Colored, Cut Length (05 59 65)

Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.

05 59 65 00-0002	LF 3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	4.63	0.89
	<i>For Plastic Dipped, Add</i>	0.43	
05 59 65 00-0003	LF 1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	6.25	1.19
	<i>For Plastic Dipped, Add</i>	0.58	
05 59 65 00-0004	LF 3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	9.97	2.38
	<i>For Plastic Dipped, Add</i>	0.78	
05 59 65 00-0005	LF 1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	16.03	4.01
	<i>For Plastic Dipped, Add</i>	1.20	
05 59 65 00-0006	LF 5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	27.06	6.78
	<i>For Plastic Dipped, Add</i>	2.03	
05 59 65 00-0007	LF 3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	37.98	9.52
	<i>For Plastic Dipped, Add</i>	2.84	
05 59 65 00-0008	LF 7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	51.58	11.90
	<i>For Plastic Dipped, Add</i>	4.17	
05 59 65 00-0009	LF 1" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	74.34	15.86
	<i>For Plastic Dipped, Add</i>	6.39	
05 59 65 00-0010	LF 1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	120.50	23.79
	<i>For Plastic Dipped, Add</i>	10.94	

**05 59 69 Metal Panels (05 59)**

05 59 69 00-0001 Woven And Welded Wire Cloth (05 59 69)

Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.

05 59 69 00-0002 Plain Steel Woven And Welded Wire Cloth Panels (05 59 69 00-0001)

05 59 69 00-0003 2" Square Wire Spacing (05 59 69 00-0002)

05 59 69 00-0004	SF 0.12" Thick Wire, 2" Spacing, 0.44 LB/SF Woven And Welded Wire Cloth Panels.....	7.77	2.54
	<i>For Up To 2, Add</i>	2.23	
	<i>For &gt;2 To 6, Add</i>	1.29	
	<i>For &gt;15 To 40, Deduct</i>	-0.22	
	<i>For &gt;40, Deduct</i>	-0.66	
	<i>For Galvanized, Add</i>	1.93	
	<i>For Aluminum, Add</i>	2.63	
	<i>For 304 Stainless Steel, Add</i>	10.51	
	<i>For 316 Stainless Steel, Add</i>	12.05	
05 59 69 00-0005	SF 0.135" Thick Wire, 2" Spacing, 0.55 LB/SF Woven And Welded Wire Cloth Panels.....	8.35	2.64
	<i>For Up To 2, Add</i>	2.38	
	<i>For &gt;2 To 6, Add</i>	1.36	
	<i>For &gt;15 To 40, Deduct</i>	-0.24	
	<i>For &gt;40, Deduct</i>	-0.72	
	<i>For Galvanized, Add</i>	2.12	
	<i>For Aluminum, Add</i>	2.89	
	<i>For 304 Stainless Steel, Add</i>	11.57	
	<i>For 316 Stainless Steel, Add</i>	13.26	
05 59 69 00-0006	SF 0.148" Thick Wire, 2" Spacing, 0.65 LB/SF Woven And Welded Wire Cloth Panels.....	8.89	2.94
	<i>For Up To 2, Add</i>	2.56	
	<i>For &gt;2 To 6, Add</i>	1.48	
	<i>For &gt;15 To 40, Deduct</i>	-0.25	
	<i>For &gt;40, Deduct</i>	-0.75	
	<i>For Galvanized, Add</i>	2.19	
	<i>For Aluminum, Add</i>	2.99	
	<i>For 304 Stainless Steel, Add</i>	11.95	
	<i>For 316 Stainless Steel, Add</i>	13.70	
05 59 69 00-0007	SF 0.162" Thick Wire, 2" Spacing, 0.78 LB/SF Woven And Welded Wire Cloth Panels.....	9.37	3.06
	<i>For Up To 2, Add</i>	2.69	
	<i>For &gt;2 To 6, Add</i>	1.55	
	<i>For &gt;15 To 40, Deduct</i>	-0.27	
	<i>For &gt;40, Deduct</i>	-0.80	
	<i>For Galvanized, Add</i>	2.33	
	<i>For Aluminum, Add</i>	3.18	
	<i>For 304 Stainless Steel, Add</i>	12.72	
	<i>For 316 Stainless Steel, Add</i>	14.58	
05 59 69 00-0008	SF 0.177" Thick Wire, 2" Spacing, 0.92 LB/SF Woven And Welded Wire Cloth Panels.....	10.26	3.43
	<i>For Up To 2, Add</i>	2.97	
	<i>For &gt;2 To 6, Add</i>	1.71	
	<i>For &gt;15 To 40, Deduct</i>	-0.28	
	<i>For &gt;40, Deduct</i>	-0.85	
	<i>For Galvanized, Add</i>	2.50	
	<i>For Aluminum, Add</i>	3.41	
	<i>For 304 Stainless Steel, Add</i>	13.66	
	<i>For 316 Stainless Steel, Add</i>	15.65	
05 59 69 00-0009	SF 0.192" Thick Wire, 2" Spacing, 1.08 LB/SF Woven And Welded Wire Cloth Panels.....	11.77	3.81
	<i>For Up To 2, Add</i>	3.37	
	<i>For &gt;2 To 6, Add</i>	1.94	
	<i>For &gt;15 To 40, Deduct</i>	-0.33	
	<i>For &gt;40, Deduct</i>	-1.00	
	<i>For Galvanized, Add</i>	2.94	
	<i>For Aluminum, Add</i>	4.01	
	<i>For 304 Stainless Steel, Add</i>	16.03	
	<i>For 316 Stainless Steel, Add</i>	18.37	

## 05 Metals

## 05 50 Metal Fabrications

## 05 59 Metal Specialties

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0010	SF		0.207" Thick Wire, 2" Spacing, 1.25 LB/SF Woven And Welded Wire Cloth Panels.....	13.33	4.20
			For Up To 2, Add	3.79	
			For >2 To 6, Add	2.17	
			For >15 To 40, Deduct	-0.39	
			For >40, Deduct	-1.16	
			For Galvanized, Add	3.40	
			For Aluminum, Add	4.64	
			For 304 Stainless Steel, Add	18.55	
			For 316 Stainless Steel, Add	21.26	
05 59 69 00-0011	SF		0.225" Thick Wire, 2" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels.....	15.24	4.66
			For Up To 2, Add	4.29	
			For >2 To 6, Add	2.46	
			For >15 To 40, Deduct	-0.45	
			For >40, Deduct	-1.35	
			For Galvanized, Add	3.97	
			For Aluminum, Add	5.42	
			For 304 Stainless Steel, Add	21.67	
			For 316 Stainless Steel, Add	24.83	
05 59 69 00-0012			1-3/4" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0013	SF		0.12" Thick Wire, 1-3/4" Spacing, 0.49 LB/SF Woven And Welded Wire Cloth Panels.....	8.16	2.69
			For Up To 2, Add	2.35	
			For >2 To 6, Add	1.35	
			For >15 To 40, Deduct	-0.23	
			For >40, Deduct	-0.69	
			For Galvanized, Add	2.01	
			For Aluminum, Add	2.74	
			For 304 Stainless Steel, Add	10.97	
			For 316 Stainless Steel, Add	12.57	
05 59 69 00-0014	SF		0.135" Thick Wire, 1-3/4" Spacing, 0.62 LB/SF Woven And Welded Wire Cloth Panels.....	8.96	2.83
			For Up To 2, Add	2.55	
			For >2 To 6, Add	1.46	
			For >15 To 40, Deduct	-0.26	
			For >40, Deduct	-0.78	
			For Galvanized, Add	2.27	
			For Aluminum, Add	3.10	
			For 304 Stainless Steel, Add	12.41	
			For 316 Stainless Steel, Add	14.22	
05 59 69 00-0015	SF		0.148" Thick Wire, 1-3/4" Spacing, 0.74 LB/SF Woven And Welded Wire Cloth Panels.....	9.65	3.18
			For Up To 2, Add	2.78	
			For >2 To 6, Add	1.60	
			For >15 To 40, Deduct	-0.27	
			For >40, Deduct	-0.81	
			For Galvanized, Add	2.38	
			For Aluminum, Add	3.24	
			For 304 Stainless Steel, Add	12.96	
			For 316 Stainless Steel, Add	14.85	
05 59 69 00-0016	SF		0.162" Thick Wire, 1-3/4" Spacing, 0.88 LB/SF Woven And Welded Wire Cloth Panels.....	10.08	3.29
			For Up To 2, Add	2.89	
			For >2 To 6, Add	1.67	
			For >15 To 40, Deduct	-0.29	
			For >40, Deduct	-0.86	
			For Galvanized, Add	2.51	
			For Aluminum, Add	3.42	
			For 304 Stainless Steel, Add	13.68	
			For 316 Stainless Steel, Add	15.68	
05 59 69 00-0017	SF		0.177" Thick Wire, 1-3/4" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels.....	11.04	3.68
			For Up To 2, Add	3.19	
			For >2 To 6, Add	1.84	
			For >15 To 40, Deduct	-0.31	
			For >40, Deduct	-0.92	
			For Galvanized, Add	2.70	
			For Aluminum, Add	3.68	
			For 304 Stainless Steel, Add	14.71	
			For 316 Stainless Steel, Add	16.86	
05 59 69 00-0018	SF		0.192" Thick Wire, 1-3/4" Spacing, 1.22 LB/SF Woven And Welded Wire Cloth Panels.....	12.68	4.12
			For Up To 2, Add	3.63	
			For >2 To 6, Add	2.09	
			For >15 To 40, Deduct	-0.36	
			For >40, Deduct	-1.08	
			For Galvanized, Add	3.16	
			For Aluminum, Add	4.31	
			For 304 Stainless Steel, Add	17.26	
			For 316 Stainless Steel, Add	19.77	
05 59 69 00-0019	SF		0.207" Thick Wire, 1-3/4" Spacing, 1.41 LB/SF Woven And Welded Wire Cloth Panels.....	14.32	4.51
			For Up To 2, Add	4.07	
			For >2 To 6, Add	2.33	
			For >15 To 40, Deduct	-0.42	
			For >40, Deduct	-1.25	
			For Galvanized, Add	3.66	
			For Aluminum, Add	4.99	
			For 304 Stainless Steel, Add	19.94	
			For 316 Stainless Steel, Add	22.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 59 69 00-0020	SF	0.225"	Thick Wire, 1-3/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels.....	16.41	5.01
			For Up To 2, Add	4.62	
			For >2 To 6, Add	2.64	
			For >15 To 40, Deduct	-0.49	
			For >40, Deduct	-1.46	
			For Galvanized, Add	4.28	
			For Aluminum, Add	5.83	
			For 304 Stainless Steel, Add	23.33	
			For 316 Stainless Steel, Add	26.73	

**05 59 69 00-0021 1-1/2" Square Wire Spacing** (05 59 69 00-0002)

05 59 69 00-0022	SF	0.12"	Thick Wire, 1-1/2" Spacing, 0.57 LB/SF Woven And Welded Wire Cloth Panels .....	9.03	2.99
			For Up To 2, Add	2.60	
			For >2 To 6, Add	1.50	
			For >15 To 40, Deduct	-0.25	
			For >40, Deduct	-0.76	
			For Galvanized, Add	2.23	
			For Aluminum, Add	3.04	
			For 304 Stainless Steel, Add	12.14	
			For 316 Stainless Steel, Add	13.92	

05 59 69 00-0023	SF	0.135"	Thick Wire, 1-1/2" Spacing, 0.72 LB/SF Woven And Welded Wire Cloth Panels.....	9.91	3.14
			For Up To 2, Add	2.82	
			For >2 To 6, Add	1.62	
			For >15 To 40, Deduct	-0.29	
			For >40, Deduct	-0.86	
			For Galvanized, Add	2.52	
			For Aluminum, Add	3.43	
			For 304 Stainless Steel, Add	13.73	
			For 316 Stainless Steel, Add	15.73	

05 59 69 00-0024	SF	0.148"	Thick Wire, 1-1/2" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels.....	10.55	3.48
			For Up To 2, Add	3.04	
			For >2 To 6, Add	1.75	
			For >15 To 40, Deduct	-0.30	
			For >40, Deduct	-0.89	
			For Galvanized, Add	2.60	
			For Aluminum, Add	3.55	
			For 304 Stainless Steel, Add	14.18	
			For 316 Stainless Steel, Add	16.25	

05 59 69 00-0025	SF	0.162"	Thick Wire, 1-1/2" Spacing, 1.02 LB/SF Woven And Welded Wire Cloth Panels.....	11.12	3.63
			For Up To 2, Add	3.19	
			For >2 To 6, Add	1.84	
			For >15 To 40, Deduct	-0.31	
			For >40, Deduct	-0.94	
			For Galvanized, Add	2.77	
			For Aluminum, Add	3.77	
			For 304 Stainless Steel, Add	15.10	
			For 316 Stainless Steel, Add	17.30	

05 59 69 00-0026	SF	0.177"	Thick Wire, 1-1/2" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels .....	12.14	4.05
			For Up To 2, Add	3.51	
			For >2 To 6, Add	2.03	
			For >15 To 40, Deduct	-0.34	
			For >40, Deduct	-1.01	
			For Galvanized, Add	2.96	
			For Aluminum, Add	4.04	
			For 304 Stainless Steel, Add	16.15	
			For 316 Stainless Steel, Add	18.51	

05 59 69 00-0027	SF	0.192"	Thick Wire, 1-1/2" Spacing, 1.4 LB/SF Woven And Welded Wire Cloth Panels .....	13.85	4.49
			For Up To 2, Add	3.97	
			For >2 To 6, Add	2.28	
			For >15 To 40, Deduct	-0.39	
			For >40, Deduct	-1.18	
			For Galvanized, Add	3.46	
			For Aluminum, Add	4.72	
			For 304 Stainless Steel, Add	18.86	
			For 316 Stainless Steel, Add	21.62	

05 59 69 00-0028	SF	0.207"	Thick Wire, 1-1/2" Spacing, 1.62 LB/SF Woven And Welded Wire Cloth Panels.....	15.67	4.94
			For Up To 2, Add	4.45	
			For >2 To 6, Add	2.55	
			For >15 To 40, Deduct	-0.45	
			For >40, Deduct	-1.36	
			For Galvanized, Add	4.00	
			For Aluminum, Add	5.45	
			For 304 Stainless Steel, Add	21.82	
			For 316 Stainless Steel, Add	25.00	

05 59 69 00-0029	SF	0.225"	Thick Wire, 1-1/2" Spacing, 1.89 LB/SF Woven And Welded Wire Cloth Panels.....	17.90	5.48
			For Up To 2, Add	5.04	
			For >2 To 6, Add	2.88	
			For >15 To 40, Deduct	-0.53	
			For >40, Deduct	-1.59	
			For Galvanized, Add	4.67	
			For Aluminum, Add	6.37	
			For 304 Stainless Steel, Add	25.46	
			For 316 Stainless Steel, Add	29.18	

**05 59 69 00-0030 1-1/4" Square Wire Spacing** (05 59 69 00-0002)

## 05 Metals

## 05 50 Metal Fabrications

## 05 59 Metal Specialties

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0031	SF		0.105" Thick Wire, 1-1/4" Spacing, 0.52 LB/SF Woven And Welded Wire Cloth Panels.....	9.27	3.23
			For Up To 2, Add	2.72	
			For >2 To 6, Add	1.57	
			For >15 To 40, Deduct	-0.25	
			For >40, Deduct	-0.74	
			For Galvanized, Add	2.18	
			For Aluminum, Add	2.98	
			For 304 Stainless Steel, Add	11.90	
			For 316 Stainless Steel, Add	13.64	
05 59 69 00-0032	SF		0.12" Thick Wire, 1-1/4" Spacing, 0.68 LB/SF Woven And Welded Wire Cloth Panels.....	10.01	3.39
			For Up To 2, Add	2.91	
			For >2 To 6, Add	1.68	
			For >15 To 40, Deduct	-0.27	
			For >40, Deduct	-0.82	
			For Galvanized, Add	2.42	
			For Aluminum, Add	3.29	
			For 304 Stainless Steel, Add	13.18	
			For 316 Stainless Steel, Add	15.10	
05 59 69 00-0033	SF		0.135" Thick Wire, 1-1/4" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels.....	10.85	3.53
			For Up To 2, Add	3.11	
			For >2 To 6, Add	1.79	
			For >15 To 40, Deduct	-0.31	
			For >40, Deduct	-0.92	
			For Galvanized, Add	2.70	
			For Aluminum, Add	3.68	
			For 304 Stainless Steel, Add	14.74	
			For 316 Stainless Steel, Add	16.89	
05 59 69 00-0034	SF		0.148" Thick Wire, 1-1/4" Spacing, 1.01 LB/SF Woven And Welded Wire Cloth Panels.....	11.18	3.60
			For Up To 2, Add	3.20	
			For >2 To 6, Add	1.84	
			For >15 To 40, Deduct	-0.32	
			For >40, Deduct	-0.96	
			For Galvanized, Add	2.81	
			For Aluminum, Add	3.83	
			For 304 Stainless Steel, Add	15.31	
			For 316 Stainless Steel, Add	17.55	
05 59 69 00-0035	SF		0.162" Thick Wire, 1-1/4" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels.....	12.14	4.06
			For Up To 2, Add	3.51	
			For >2 To 6, Add	2.03	
			For >15 To 40, Deduct	-0.34	
			For >40, Deduct	-1.01	
			For Galvanized, Add	2.96	
			For Aluminum, Add	4.03	
			For 304 Stainless Steel, Add	16.13	
			For 316 Stainless Steel, Add	18.48	
05 59 69 00-0036	SF		0.177" Thick Wire, 1-1/4" Spacing, 1.42 LB/SF Woven And Welded Wire Cloth Panels.....	13.68	4.57
			For Up To 2, Add	3.95	
			For >2 To 6, Add	2.28	
			For >15 To 40, Deduct	-0.38	
			For >40, Deduct	-1.14	
			For Galvanized, Add	3.34	
			For Aluminum, Add	4.55	
			For 304 Stainless Steel, Add	18.22	
			For 316 Stainless Steel, Add	20.87	
05 59 69 00-0037	SF		0.192" Thick Wire, 1-1/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels.....	15.54	5.04
			For Up To 2, Add	4.45	
			For >2 To 6, Add	2.56	
			For >15 To 40, Deduct	-0.44	
			For >40, Deduct	-1.32	
			For Galvanized, Add	3.88	
			For Aluminum, Add	5.29	
			For 304 Stainless Steel, Add	21.17	
			For 316 Stainless Steel, Add	24.26	
05 59 69 00-0038	SF		0.207" Thick Wire, 1-1/4" Spacing, 1.9 LB/SF Woven And Welded Wire Cloth Panels.....	17.49	5.51
			For Up To 2, Add	4.97	
			For >2 To 6, Add	2.85	
			For >15 To 40, Deduct	-0.51	
			For >40, Deduct	-1.52	
			For Galvanized, Add	4.47	
			For Aluminum, Add	6.09	
			For 304 Stainless Steel, Add	24.36	
			For 316 Stainless Steel, Add	27.91	
05 59 69 00-0039	SF		0.225" Thick Wire, 1-1/4" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels.....	20.03	6.12
			For Up To 2, Add	5.64	
			For >2 To 6, Add	3.23	
			For >15 To 40, Deduct	-0.59	
			For >40, Deduct	-1.78	
			For Galvanized, Add	5.22	
			For Aluminum, Add	7.12	
			For 304 Stainless Steel, Add	28.49	
			For 316 Stainless Steel, Add	32.64	

05 59 69 00-0040 1" Square Wire Spacing (05 59 69 00-0002)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0041	SF		0.105" Thick Wire, 1" Spacing, 0.64 LB/SF Woven And Welded Wire Cloth Panels.....	10.59	3.79
			For Up To 2, Add	3.13	
			For >2 To 6, Add	1.82	
			For >15 To 40, Deduct	-0.28	
			For >40, Deduct	-0.83	
			For Galvanized, Add	2.44	
			For Aluminum, Add	3.33	
			For 304 Stainless Steel, Add	13.32	
			For 316 Stainless Steel, Add	15.26	
05 59 69 00-0042	SF		0.12" Thick Wire, 1" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels.....	11.34	3.94
			For Up To 2, Add	3.32	
			For >2 To 6, Add	1.92	
			For >15 To 40, Deduct	-0.30	
			For >40, Deduct	-0.91	
			For Galvanized, Add	2.68	
			For Aluminum, Add	3.65	
			For 304 Stainless Steel, Add	14.62	
			For 316 Stainless Steel, Add	16.75	
05 59 69 00-0043	SF		0.135" Thick Wire, 1" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels.....	11.81	4.12
			For Up To 2, Add	3.46	
			For >2 To 6, Add	2.00	
			For >15 To 40, Deduct	-0.32	
			For >40, Deduct	-0.95	
			For Galvanized, Add	2.78	
			For Aluminum, Add	3.79	
			For 304 Stainless Steel, Add	15.17	
			For 316 Stainless Steel, Add	17.38	
05 59 69 00-0044	SF		0.148" Thick Wire, 1" Spacing, 1.23 LB/SF Woven And Welded Wire Cloth Panels.....	12.64	4.17
			For Up To 2, Add	3.64	
			For >2 To 6, Add	2.10	
			For >15 To 40, Deduct	-0.35	
			For >40, Deduct	-1.06	
			For Galvanized, Add	3.11	
			For Aluminum, Add	4.24	
			For 304 Stainless Steel, Add	16.97	
			For 316 Stainless Steel, Add	19.44	
05 59 69 00-0045	SF		0.162" Thick Wire, 1" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels.....	14.06	4.70
			For Up To 2, Add	4.07	
			For >2 To 6, Add	2.35	
			For >15 To 40, Deduct	-0.39	
			For >40, Deduct	-1.17	
			For Galvanized, Add	3.43	
			For Aluminum, Add	4.67	
			For 304 Stainless Steel, Add	18.70	
			For 316 Stainless Steel, Add	21.42	
05 59 69 00-0046	SF		0.177" Thick Wire, 1" Spacing, 1.72 LB/SF Woven And Welded Wire Cloth Panels.....	15.78	5.27
			For Up To 2, Add	4.56	
			For >2 To 6, Add	2.63	
			For >15 To 40, Deduct	-0.44	
			For >40, Deduct	-1.31	
			For Galvanized, Add	3.85	
			For Aluminum, Add	5.26	
			For 304 Stainless Steel, Add	21.02	
			For 316 Stainless Steel, Add	24.09	
05 59 69 00-0047	SF		0.192" Thick Wire, 1" Spacing, 2.01 LB/SF Woven And Welded Wire Cloth Panels.....	18.03	5.84
			For Up To 2, Add	5.17	
			For >2 To 6, Add	2.97	
			For >15 To 40, Deduct	-0.51	
			For >40, Deduct	-1.53	
			For Galvanized, Add	4.50	
			For Aluminum, Add	6.14	
			For 304 Stainless Steel, Add	24.55	
			For 316 Stainless Steel, Add	28.13	
05 59 69 00-0048	SF		0.207" Thick Wire, 1" Spacing, 2.31 LB/SF Woven And Welded Wire Cloth Panels.....	20.27	6.38
			For Up To 2, Add	5.76	
			For >2 To 6, Add	3.30	
			For >15 To 40, Deduct	-0.59	
			For >40, Deduct	-1.76	
			For Galvanized, Add	5.17	
			For Aluminum, Add	7.06	
			For 304 Stainless Steel, Add	28.22	
			For 316 Stainless Steel, Add	32.34	
05 59 69 00-0049	SF		0.225" Thick Wire, 1" Spacing, 2.69 LB/SF Woven And Welded Wire Cloth Panels.....	23.10	7.06
			For Up To 2, Add	6.50	
			For >2 To 6, Add	3.72	
			For >15 To 40, Deduct	-0.68	
			For >40, Deduct	-2.05	
			For Galvanized, Add	6.02	
			For Aluminum, Add	8.21	
			For 304 Stainless Steel, Add	32.86	
			For 316 Stainless Steel, Add	37.65	

05 59 69 00-0050 3/4" Square Wire Spacing (05 59 69 00-0002)

## 05 Metals

## 05 50 Metal Fabrications

## 05 59 Metal Specialties

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

05 59 69 00-0051	SF	0.105" Thick Wire, 3/4" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels.....	10.71	3.78
		For Up To 2, Add	3.15	
		For >2 To 6, Add	1.83	
		For >15 To 40, Deduct	-0.28	
		For >40, Deduct	-0.85	
		For Galvanized, Add	2.50	
		For Aluminum, Add	3.41	
		For 304 Stainless Steel, Add	13.63	
		For 316 Stainless Steel, Add	15.62	
05 59 69 00-0052	SF	0.12" Thick Wire, 3/4" Spacing, 1.07 LB/SF Woven And Welded Wire Cloth Panels.....	11.97	4.24
		For Up To 2, Add	3.52	
		For >2 To 6, Add	2.04	
		For >15 To 40, Deduct	-0.32	
		For >40, Deduct	-0.95	
		For Galvanized, Add	2.78	
		For Aluminum, Add	3.79	
		For 304 Stainless Steel, Add	15.17	
		For 316 Stainless Steel, Add	17.38	
05 59 69 00-0053	SF	0.135" Thick Wire, 3/4" Spacing, 1.33 LB/SF Woven And Welded Wire Cloth Panels.....	13.25	4.79
		For Up To 2, Add	3.92	
		For >2 To 6, Add	2.28	
		For >15 To 40, Deduct	-0.34	
		For >40, Deduct	-1.03	
		For Galvanized, Add	3.03	
		For Aluminum, Add	4.13	
		For 304 Stainless Steel, Add	16.51	
		For 316 Stainless Steel, Add	18.92	
05 59 69 00-0054	SF	0.148" Thick Wire, 3/4" Spacing, 1.58 LB/SF Woven And Welded Wire Cloth Panels.....	14.33	5.10
		For Up To 2, Add	4.23	
		For >2 To 6, Add	2.45	
		For >15 To 40, Deduct	-0.38	
		For >40, Deduct	-1.13	
		For Galvanized, Add	3.31	
		For Aluminum, Add	4.51	
		For 304 Stainless Steel, Add	18.05	
		For 316 Stainless Steel, Add	20.68	
05 59 69 00-0055	SF	0.162" Thick Wire, 3/4" Spacing, 1.87 LB/SF Woven And Welded Wire Cloth Panels.....	16.56	5.74
		For Up To 2, Add	4.84	
		For >2 To 6, Add	2.81	
		For >15 To 40, Deduct	-0.45	
		For >40, Deduct	-1.34	
		For Galvanized, Add	3.92	
		For Aluminum, Add	5.34	
		For 304 Stainless Steel, Add	21.36	
		For 316 Stainless Steel, Add	24.48	
05 59 69 00-0056	SF	0.177" Thick Wire, 3/4" Spacing, 2.2 LB/SF Woven And Welded Wire Cloth Panels.....	19.03	6.42
		For Up To 2, Add	5.52	
		For >2 To 6, Add	3.19	
		For >15 To 40, Deduct	-0.52	
		For >40, Deduct	-1.57	
		For Galvanized, Add	4.61	
		For Aluminum, Add	6.29	
		For 304 Stainless Steel, Add	25.15	
		For 316 Stainless Steel, Add	28.82	
05 59 69 00-0057	SF	0.192" Thick Wire, 3/4" Spacing, 2.56 LB/SF Woven And Welded Wire Cloth Panels.....	21.65	7.09
		For Up To 2, Add	6.22	
		For >2 To 6, Add	3.58	
		For >15 To 40, Deduct	-0.61	
		For >40, Deduct	-1.83	
		For Galvanized, Add	5.36	
		For Aluminum, Add	7.31	
		For 304 Stainless Steel, Add	29.26	
		For 316 Stainless Steel, Add	33.52	
05 59 69 00-0058	SF	0.207" Thick Wire, 3/4" Spacing, 2.93 LB/SF Woven And Welded Wire Cloth Panels.....	24.23	7.71
		For Up To 2, Add	6.90	
		For >2 To 6, Add	3.97	
		For >15 To 40, Deduct	-0.70	
		For >40, Deduct	-2.09	
		For Galvanized, Add	6.14	
		For Aluminum, Add	8.37	
		For 304 Stainless Steel, Add	33.48	
		For 316 Stainless Steel, Add	38.36	
05 59 69 00-0059	SF	0.225" Thick Wire, 3/4" Spacing, 3.41 LB/SF Woven And Welded Wire Cloth Panels.....	27.61	8.53
		For Up To 2, Add	7.80	
		For >2 To 6, Add	4.47	
		For >15 To 40, Deduct	-0.81	
		For >40, Deduct	-2.44	
		For Galvanized, Add	7.15	
		For Aluminum, Add	9.74	
		For 304 Stainless Steel, Add	38.98	
		For 316 Stainless Steel, Add	44.66	

05 59 69 00-0060 1/2" Square Wire Spacing (05 59 69 00-0002)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0061	SF		0.105" Thick Wire, 1/2" Spacing, 1.18 LB/SF Woven And Welded Wire Cloth Panels.....	11.20	4.04
			For Up To 2, Add	3.32	
			For >2 To 6, Add	1.93	
			For >15 To 40, Deduct	-0.29	
			For >40, Deduct	-0.87	
			For Galvanized, Add	2.56	
			For Aluminum, Add	3.49	
			For 304 Stainless Steel, Add	13.94	
			For 316 Stainless Steel, Add	15.98	
05 59 69 00-0062	SF		0.12" Thick Wire, 1/2" Spacing, 1.51 LB/SF Woven And Welded Wire Cloth Panels.....	13.13	4.91
			For Up To 2, Add	3.94	
			For >2 To 6, Add	2.30	
			For >15 To 40, Deduct	-0.33	
			For >40, Deduct	-0.99	
			For Galvanized, Add	2.89	
			For Aluminum, Add	3.94	
			For 304 Stainless Steel, Add	15.77	
			For 316 Stainless Steel, Add	18.07	
05 59 69 00-0063	SF		0.135" Thick Wire, 1/2" Spacing, 1.88 LB/SF Woven And Welded Wire Cloth Panels.....	15.85	5.82
			For Up To 2, Add	4.72	
			For >2 To 6, Add	2.75	
			For >15 To 40, Deduct	-0.41	
			For >40, Deduct	-1.22	
			For Galvanized, Add	3.56	
			For Aluminum, Add	4.86	
			For 304 Stainless Steel, Add	19.44	
			For 316 Stainless Steel, Add	22.28	
05 59 69 00-0064	SF		0.148" Thick Wire, 1/2" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels.....	18.26	6.52
			For Up To 2, Add	5.39	
			For >2 To 6, Add	3.13	
			For >15 To 40, Deduct	-0.48	
			For >40, Deduct	-1.44	
			For Galvanized, Add	4.21	
			For Aluminum, Add	5.74	
			For 304 Stainless Steel, Add	22.97	
			For 316 Stainless Steel, Add	26.32	
05 59 69 00-0065	SF		0.162" Thick Wire, 1/2" Spacing, 2.61 LB/SF Woven And Welded Wire Cloth Panels.....	20.96	7.28
			For Up To 2, Add	6.13	
			For >2 To 6, Add	3.55	
			For >15 To 40, Deduct	-0.56	
			For >40, Deduct	-1.69	
			For Galvanized, Add	4.95	
			For Aluminum, Add	6.75	
			For 304 Stainless Steel, Add	27.00	
			For 316 Stainless Steel, Add	30.94	
05 59 69 00-0066	SF		0.177" Thick Wire, 1/2" Spacing, 3.06 LB/SF Woven And Welded Wire Cloth Panels.....	24.01	8.11
			For Up To 2, Add	6.97	
			For >2 To 6, Add	4.02	
			For >15 To 40, Deduct	-0.66	
			For >40, Deduct	-1.98	
			For Galvanized, Add	5.80	
			For Aluminum, Add	7.91	
			For 304 Stainless Steel, Add	31.66	
			For 316 Stainless Steel, Add	36.27	
05 59 69 00-0067	SF		0.192" Thick Wire, 1/2" Spacing, 3.54 LB/SF Woven And Welded Wire Cloth Panels.....	27.15	8.92
			For Up To 2, Add	7.81	
			For >2 To 6, Add	4.50	
			For >15 To 40, Deduct	-0.76	
			For >40, Deduct	-2.29	
			For Galvanized, Add	6.71	
			For Aluminum, Add	9.16	
			For 304 Stainless Steel, Add	36.62	
			For 316 Stainless Steel, Add	41.97	
05 59 69 00-0068	SF		0.207" Thick Wire, 1/2" Spacing, 4.04 LB/SF Woven And Welded Wire Cloth Panels.....	30.30	9.67
			For Up To 2, Add	8.64	
			For >2 To 6, Add	4.96	
			For >15 To 40, Deduct	-0.87	
			For >40, Deduct	-2.61	
			For Galvanized, Add	7.66	
			For Aluminum, Add	10.45	
			For 304 Stainless Steel, Add	41.78	
			For 316 Stainless Steel, Add	47.88	
05 59 69 00-0069	SF		0.225" Thick Wire, 1/2" Spacing, 4.68 LB/SF Woven And Welded Wire Cloth Panels.....	31.59	10.64
			For Up To 2, Add	9.15	
			For >2 To 6, Add	5.29	
			For >15 To 40, Deduct	-0.87	
			For >40, Deduct	-2.61	
			For Galvanized, Add	7.66	
			For Aluminum, Add	10.45	
			For 304 Stainless Steel, Add	41.78	
			For 316 Stainless Steel, Add	47.88	

- 05 59 69 00-0070 Expanded Metal Panels (05 59 69)  
 Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.
- 05 59 69 00-0071 Plain Flattened Expanded Metal Diamond Shape Panels (05 59 69 00-0070)  
 Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.

**05 Metals****05 50 Metal Fabrications****05 59 Metal Specialties**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 59 69 00-0072	SF 1/4" #20-F Plain Expanded Metal Panel, 0.82 LB/SF	9.45	3.48
	For Galvanized, Add	2.12	
	For Aluminum, Add	2.89	
	For 304 Stainless Steel, Add	11.54	
	For 316 Stainless Steel, Add	13.23	
05 59 69 00-0073	SF 1/4" #18-F Plain Expanded Metal Panel, 1.08 LB/SF	11.89	3.81
	For Galvanized, Add	2.99	
	For Aluminum, Add	4.08	
	For 304 Stainless Steel, Add	16.32	
	For 316 Stainless Steel, Add	18.70	
05 59 69 00-0074	SF 1/2" #20-F Plain Expanded Metal Panel, 0.40 LB/SF	6.82	2.69
	For Galvanized, Add	1.42	
	For Aluminum, Add	1.94	
	For 304 Stainless Steel, Add	7.75	
	For 316 Stainless Steel, Add	8.88	
05 59 69 00-0075	SF 1/2" #18-F Plain Expanded Metal Panel, 0.66 LB/SF	7.45	2.94
	For Galvanized, Add	1.56	
	For Aluminum, Add	2.12	
	For 304 Stainless Steel, Add	8.50	
	For 316 Stainless Steel, Add	9.74	
05 59 69 00-0076	SF 1/2" #16-F Plain Expanded Metal Panel, 0.82 LB/SF	8.42	3.48
	For Galvanized, Add	1.66	
	For Aluminum, Add	2.27	
	For 304 Stainless Steel, Add	9.07	
	For 316 Stainless Steel, Add	10.40	
05 59 69 00-0077	SF 1/2" #13-F Plain Expanded Metal Panel, 1.4 LB/SF	10.79	4.49
	For Galvanized, Add	2.11	
	For Aluminum, Add	2.88	
	For 304 Stainless Steel, Add	11.52	
	For 316 Stainless Steel, Add	13.20	
05 59 69 00-0078	SF 3/4" #16-F Plain Expanded Metal Panel, 0.51 LB/SF	5.94	2.64
	For Galvanized, Add	1.06	
	For Aluminum, Add	1.45	
	For 304 Stainless Steel, Add	5.78	
	For 316 Stainless Steel, Add	6.63	
05 59 69 00-0079	SF 3/4" #14-F Plain Expanded Metal Panel, 0.63 LB/SF	6.66	2.83
	For Galvanized, Add	1.26	
	For Aluminum, Add	1.72	
	For 304 Stainless Steel, Add	6.89	
	For 316 Stainless Steel, Add	7.89	
05 59 69 00-0080	SF 3/4" #13-F Plain Expanded Metal Panel, 0.75 LB/SF	7.61	3.18
	For Galvanized, Add	1.48	
	For Aluminum, Add	2.02	
	For 304 Stainless Steel, Add	8.06	
	For 316 Stainless Steel, Add	9.24	
05 59 69 00-0081	SF 3/4" #9-F Plain Expanded Metal Panel, 1.50 LB/SF	11.99	5.27
	For Galvanized, Add	2.19	
	For Aluminum, Add	2.98	
	For 304 Stainless Steel, Add	11.93	
	For 316 Stainless Steel, Add	13.67	
05 59 69 00-0082	SF 1" #16-F Plain Expanded Metal Panel, 0.41 LB/SF	6.65	3.23
	For Galvanized, Add	1.03	
	For Aluminum, Add	1.40	
	For 304 Stainless Steel, Add	5.62	
	For 316 Stainless Steel, Add	6.44	
05 59 69 00-0083	SF 1-1/2" #16-F Plain Expanded Metal Panel, 0.38 LB/SF	5.74	2.54
	For Galvanized, Add	1.03	
	For Aluminum, Add	1.41	
	For 304 Stainless Steel, Add	5.64	
	For 316 Stainless Steel, Add	6.46	
05 59 69 00-0084	SF 1-1/2" #13-F Plain Expanded Metal Panel, 0.57 LB/SF	6.61	2.99
	For Galvanized, Add	1.16	
	For Aluminum, Add	1.58	
	For 304 Stainless Steel, Add	6.34	
	For 316 Stainless Steel, Add	7.26	
05 59 69 00-0085	SF 1-1/2" #9-F Plain Expanded Metal Panel, 1.14 LB/SF	10.27	4.04
	For Galvanized, Add	2.15	
	For Aluminum, Add	2.93	
	For 304 Stainless Steel, Add	11.71	
	For 316 Stainless Steel, Add	13.42	

**05 70 Decorative Metal** (05)

Note: Includes anchors and related accessories.

**05 71 Decorative Metal Stairs** (05 70)**05 71 13 Fabricated Metal Spiral Stairs** (05 71)

Note: Includes factory prime.

**05 71 13 00-0001 Spiral Stairs, Stock Units** (05 71 13)

Note: Includes factory prime.

**05 71 13 00-0002 Steel Tread** (05 71 13 00-0001)

05 71 13 00-0003	VLF 3'-6" Diameter, Spiral Steel Stair With Rails	321.03	46.25
	For Galvanized, Add	159.96	
05 71 13 00-0004	VLF 4' Diameter, Spiral Steel Stair With Rails	364.82	50.88
	For Galvanized, Add	184.14	
05 71 13 00-0005	VLF 4'-6" Diameter, Spiral Steel Stair With Rails	403.30	55.51
	For Galvanized, Add	204.60	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 71	13 00-0006			VLF 5' Diameter, Spiral Steel Stair With Rails <i>For Galvanized, Add</i>	432.49 218.55	60.13
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**05 73 Decorative Metal Railings** (05 70)

Note: Factory primed. Includes brackets.

**05 73 23 Decorative Metal Railings** (05 73)

**05 73 23 00-0001 Railings; Vertical Square Bars At 6"** (05 73 23)

Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).

05 73 23 00-0002	LF			Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i> <i>For Galvanized, Add</i>	68.76 9.21 19.19 2.08 1.67 1.11 0.56 12.75 3.89	10.17
05 73 23 00-0003	LF			Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	122.55 14.52 39.55 4.96 3.97 2.65 1.32 16.60	13.87
05 73 23 00-0004	LF			Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	198.12 22.36 67.07 8.75 7.00 4.67 2.33 22.85	23.13
05 73 23 00-0005	LF			Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	215.70 22.80 77.33 10.54 8.43 5.62 2.81 21.29	18.50
05 73 23 00-0006	LF			Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	190.03 18.98 71.26 10.02 8.02 5.34 2.67 16.61	28.22

**05 73 23 00-0007 Laminated Metal Or Wood Handrails With Metal Supports** (05 73 23)

05 73 23 00-0008	LF			2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	122.36 9.95 52.25 7.94 6.35 4.24 2.12 6.61	4.63
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**05 73 23 00-0009 Plain Handrails** (05 73 23)

05 73 23 00-0010	LF			2" Brass Handrail	46.02	9.84
05 73 23 00-0011	EA			90 Degree Angle For 2" Brass Handrail	100.31	36.59
05 73 23 00-0012	EA			End Cap For 2" Brass Handrail	45.64	18.34
05 73 23 00-0013	EA			Brass Bracket And Joint For 2" Brass Handrail	75.89	36.59
05 73 23 00-0014	LF			2" Stainless Steel Handrail	53.41	12.30

**05 73 23 00-0015 Restoration Of Existing Metal Handrail And Railing** (05 73 23)

Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0379 for painting.

05 73 23 00-0016	LF			Refinish Metal Handrail	8.90	
05 73 23 00-0017	LF			Refinish Wrought Iron Balustrade	8.85	

**05 73 23 00-0018 Remove And Reinstall Ornamental Railing** (05 73 23)

05 73 23 00-0019	LF			Removal And Reinstallation Of Ornamental Handrail And Pickets	85.11	
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**05 75 Decorative Formed Metal** (05 70)

**05 75 00 00-0001 Metal Sheets, Installed On Walls** (05 75)

Note: Includes field fabrication (bending) where noted.

## 05 Metals

## 05 70 Decorative Metal

## 05 75 Decorative Formed Metal

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0002			<b>Copper Sheets, Installed On Walls</b> (05 75 00 00-0001) Note: Includes field fabrication.		
05 75 00 00-0003	SF	0.0162"	(12 Ounce) Thick Copper Sheet, Installed On Walls.....	19.42	2.05
			For >16 To 200, Deduct	-1.13	
			For >200 To 500, Deduct	-2.25	
			For >500, Deduct	-3.22	
05 75 00 00-0004	SF	0.0215"	(16 Ounce) Thick Copper Sheet, Installed On Walls.....	24.03	2.29
			For >16 To 200, Deduct	-1.37	
			For >200 To 500, Deduct	-2.75	
			For >500, Deduct	-3.95	
05 75 00 00-0005	SF	0.0242"	(18 Ounce) Thick Copper Sheet, Installed On Walls.....	26.28	2.47
			For >16 To 200, Deduct	-1.50	
			For >200 To 500, Deduct	-3.00	
			For >500, Deduct	-4.31	
05 75 00 00-0006	SF	0.027"	(20 Ounce) Thick Copper Sheet, Installed On Walls.....	28.32	2.59
			For >16 To 200, Deduct	-1.61	
			For >200 To 500, Deduct	-3.22	
			For >500, Deduct	-4.64	
05 75 00 00-0007	SF	0.0323"	(24 Ounce) Thick Copper Sheet, Installed On Walls.....	32.12	2.70
			For >16 To 200, Deduct	-1.81	
			For >200 To 500, Deduct	-3.62	
			For >500, Deduct	-5.23	
05 75 00 00-0008	SF	0.0431"	(32 Ounce) Thick Copper Sheet, Installed On Walls.....	40.24	2.84
			For >16 To 200, Deduct	-2.23	
			For >200 To 500, Deduct	-4.45	
			For >500, Deduct	-6.46	
05 75 00 00-0009	SF	0.052"	(40 Ounce) Thick Copper Sheet, Installed On Walls.....	46.87	2.96
			For >16 To 200, Deduct	-2.57	
			For >200 To 500, Deduct	-5.13	
			For >500, Deduct	-7.47	
05 75 00 00-0010	SF	0.0646"	(48 Ounce) Thick Copper Sheet, Installed On Walls.....	56.46	3.20
			For >16 To 200, Deduct	-3.06	
			For >200 To 500, Deduct	-6.13	
			For >500, Deduct	-8.95	
05 75 00 00-0011	SF	0.08"	Thick Copper Sheet, Installed On Walls.....	69.00	3.45
			For >16 To 200, Deduct	-3.71	
			For >200 To 500, Deduct	-7.42	
			For >500, Deduct	-10.87	
05 75 00 00-0012	SF	0.125"	Thick Copper Sheet, Installed On Walls.....	100.29	3.70
			For >16 To 200, Deduct	-5.29	
			For >200 To 500, Deduct	-10.58	
			For >500, Deduct	-15.60	
05 75 00 00-0013			<b>Stainless Steel Sheets, Installed On Walls</b> (05 75 00 00-0001) Note: Includes field fabrication.		
05 75 00 00-0014	SF	0.026"	Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	11.62	2.06
			For >16 To 200, Deduct	-0.74	
			For >200 To 500, Deduct	-1.47	
			For >500, Deduct	-2.05	
05 75 00 00-0015	SF	0.0312"	Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	13.11	2.22
			For >16 To 200, Deduct	-0.82	
			For >200 To 500, Deduct	-1.64	
			For >500, Deduct	-2.30	
05 75 00 00-0016	SF	0.0375"	Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	14.22	2.33
			For >16 To 200, Deduct	-0.89	
			For >200 To 500, Deduct	-1.77	
			For >500, Deduct	-2.48	
05 75 00 00-0017	SF	0.050"	Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	16.50	2.44
			For >16 To 200, Deduct	-1.01	
			For >200 To 500, Deduct	-2.02	
			For >500, Deduct	-2.84	
05 75 00 00-0018	SF	0.0625"	Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	18.71	2.55
			For >16 To 200, Deduct	-1.13	
			For >200 To 500, Deduct	-2.25	
			For >500, Deduct	-3.19	
05 75 00 00-0019	SF	0.078"	Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	21.50	2.66
			For >16 To 200, Deduct	-1.28	
			For >200 To 500, Deduct	-2.55	
			For >500, Deduct	-3.63	
05 75 00 00-0020	SF	0.125"	Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	30.53	3.11
			For >16 To 200, Deduct	-1.76	
			For >200 To 500, Deduct	-3.52	
			For >500, Deduct	-5.05	
05 75 00 00-0021	SF	3/16"	Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	40.79	3.29
			For >16 To 200, Deduct	-2.29	
			For >200 To 500, Deduct	-4.57	
			For >500, Deduct	-6.61	
05 75 00 00-0022	SF	1/4"	Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	55.57	3.99
			For >16 To 200, Deduct	-3.08	
			For >200 To 500, Deduct	-6.16	
			For >500, Deduct	-8.94	
05 75 00 00-0023	SF	3/8"	Thick 304 Brushed Stainless Steel Sheet, Installed On Walls.....	91.60	4.29
			For >16 To 200, Deduct	-4.90	
			For >200 To 500, Deduct	-9.80	
			For >500, Deduct	-14.38	
05 75 00 00-0024	SF	1/2"	Thick 304 Brushed Stainless Steel Sheet, Installed On Walls.....	116.93	4.98
			For >16 To 200, Deduct	-6.22	
			For >200 To 500, Deduct	-12.44	
			For >500, Deduct	-18.29	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**05 75 00 00-0025**

**Aluminum Sheets, Installed On Walls** (05 75 00 00-0001)

Note: Includes field fabrication.

05 75 00 00-0026	SF 0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls .....	9.06	2.05
	For >16 To 200, Deduct	-0.61	
	For >200 To 500, Deduct	-1.21	
	For >500, Deduct	-1.67	
05 75 00 00-0027	SF 0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls .....	10.27	2.29
	For >16 To 200, Deduct	-0.69	
	For >200 To 500, Deduct	-1.37	
	For >500, Deduct	-1.88	
05 75 00 00-0028	SF 0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls .....	11.41	2.47
	For >16 To 200, Deduct	-0.76	
	For >200 To 500, Deduct	-1.51	
	For >500, Deduct	-2.08	
05 75 00 00-0029	SF 0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls .....	12.56	2.59
	For >16 To 200, Deduct	-0.82	
	For >200 To 500, Deduct	-1.64	
	For >500, Deduct	-2.27	
05 75 00 00-0030	SF 0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls .....	13.72	2.70
	For >16 To 200, Deduct	-0.89	
	For >200 To 500, Deduct	-1.78	
	For >500, Deduct	-2.47	
05 75 00 00-0031	SF 0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls .....	14.97	2.84
	For >16 To 200, Deduct	-0.96	
	For >200 To 500, Deduct	-1.92	
	For >500, Deduct	-2.67	
05 75 00 00-0032	SF 0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls .....	16.49	2.96
	For >16 To 200, Deduct	-1.05	
	For >200 To 500, Deduct	-2.09	
	For >500, Deduct	-2.92	
05 75 00 00-0033	SF 0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls .....	19.59	3.45
	For >16 To 200, Deduct	-1.24	
	For >200 To 500, Deduct	-2.48	
	For >500, Deduct	-3.46	

**05 75 00 00-0034**

**Galvanized Steel Sheets, Installed On Walls** (05 75 00 00-0001)

Note: Includes field fabrication.

05 75 00 00-0035	SF 0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls .....	9.08	2.05
	For >16 To 200, Deduct	-0.61	
	For >200 To 500, Deduct	-1.22	
	For >500, Deduct	-1.67	
05 75 00 00-0036	SF 0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls .....	10.06	2.29
	For >16 To 200, Deduct	-0.67	
	For >200 To 500, Deduct	-1.35	
	For >500, Deduct	-1.85	
05 75 00 00-0037	SF 0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls .....	10.69	2.47
	For >16 To 200, Deduct	-0.72	
	For >200 To 500, Deduct	-1.44	
	For >500, Deduct	-1.97	
05 75 00 00-0038	SF 0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls .....	11.34	2.59
	For >16 To 200, Deduct	-0.76	
	For >200 To 500, Deduct	-1.52	
	For >500, Deduct	-2.09	
05 75 00 00-0039	SF 0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls .....	12.25	2.70
	For >16 To 200, Deduct	-0.82	
	For >200 To 500, Deduct	-1.63	
	For >500, Deduct	-2.25	
05 75 00 00-0040	SF 0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls .....	13.21	2.84
	For >16 To 200, Deduct	-0.87	
	For >200 To 500, Deduct	-1.75	
	For >500, Deduct	-2.41	
05 75 00 00-0041	SF 0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls .....	14.78	2.96
	For >16 To 200, Deduct	-0.96	
	For >200 To 500, Deduct	-1.92	
	For >500, Deduct	-2.66	
05 75 00 00-0042	SF 0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls .....	17.01	3.20
	For >16 To 200, Deduct	-1.09	
	For >200 To 500, Deduct	-2.18	
	For >500, Deduct	-3.03	
05 75 00 00-0043	SF 0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls .....	19.62	3.70
	For >16 To 200, Deduct	-1.26	
	For >200 To 500, Deduct	-2.52	
	For >500, Deduct	-3.50	

**05 75 00 00-0044**

**Galvanized Zinc-Plated Steel Sheets, Installed On Walls** (05 75 00 00-0001)

Note: Includes field fabrication.

05 75 00 00-0045	SF 0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls .....	10.27	1.95
	For >16 To 200, Deduct	-0.71	
	For >200 To 500, Deduct	-1.42	
	For >500, Deduct	-1.93	
05 75 00 00-0046	SF 0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls .....	11.82	2.21
	For >16 To 200, Deduct	-0.81	
	For >200 To 500, Deduct	-1.62	
	For >500, Deduct	-2.21	

**05 Metals****05 70 Decorative Metal****05 75 Decorative Formed Metal**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
05 75 00 00-0047	SF	0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls .....	13.33	2.44
		<i>For &gt;16 To 200, Deduct</i>	-0.91	
		<i>For &gt;200 To 500, Deduct</i>	-1.82	
		<i>For &gt;500, Deduct</i>	-2.49	
05 75 00 00-0048	SF	0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls .....	14.65	2.64
		<i>For &gt;16 To 200, Deduct</i>	-1.00	
		<i>For &gt;200 To 500, Deduct</i>	-1.99	
		<i>For &gt;500, Deduct</i>	-2.73	

**END OF SECTION 05**



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 Wood, Plastics, and Composites

06 01 Maintenance of Wood, Plastics, and Composites <sup>(06)</sup>

06 01 20 Maintenance of Finish Carpentry <sup>(06 01)</sup>

**06 01 20 91 Finish Carpentry Restoration** <sup>(06 01 20)</sup>

06 01 20 91-0001 Wood Trim Repair <sup>(06 01 20 91)</sup>

06 01 20 91-0002	SF Restoration Of Existing Decorative Woodwork .....	7.96	
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Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.

06 01 40 Maintenance of Architectural Woodwork <sup>(06 01)</sup>

**06 01 40 91 Architectural Woodwork Restoration** <sup>(06 01 40)</sup>

06 01 40 91-0001 Cabinet Hardware Replacement <sup>(06 01 40 91)</sup>

06 01 40 91-0002	EA Removal And Replacement Of Concealed, Full Or Half Overlay, Self Closing, Steel Cabinet Hinges .....	33.21	
06 01 40 91-0003	EA Removal And Replacement Of Semi Concealed, Brass Cabinet Hinges .....	35.23	

06 05 Common Work Results for Wood, Plastics, and Composites <sup>(06)</sup>

06 05 23 Wood, Plastic, and Composite Fastenings <sup>(06 05)</sup>

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts <sup>(06 05 23)</sup>

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA 1/2" Diameter x 4" Long, Threaded Anchor Bolt .....	12.78	
	For >10 To 50, Deduct	-0.37	
	For >50 To 100, Deduct	-0.88	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-3.02	
	For >500, Deduct	-4.27	
06 05 23 00-0003	EA 1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt .....	17.24	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-1.04	
	For >100 To 250, Deduct	-2.07	
	For >250 To 500, Deduct	-3.51	
	For >500, Deduct	-4.95	
06 05 23 00-0004	EA 3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt .....	19.10	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-1.08	
	For >100 To 250, Deduct	-2.17	
	For >250 To 500, Deduct	-3.65	
	For >500, Deduct	-5.14	
06 05 23 00-0005	EA 3/4" Diameter x 12" Long, Threaded Anchor Bolt .....	38.29	
	For >10 To 50, Deduct	-0.55	
	For >50 To 100, Deduct	-1.79	
	For >100 To 250, Deduct	-3.57	
	For >250 To 500, Deduct	-5.91	
	For >500, Deduct	-8.25	

06 05 23 00-0006 Framing Anchors <sup>(06 05 23)</sup>

Note: Including nails.

06 05 23 00-0007	EA 1-7/16" x 2-1/2" Galvanized Framing Angle Anchor (Simpson A34) .....	6.77	3.14
	For >10 To 50, Deduct	-0.30	
	For >50 To 100, Deduct	-0.62	
	For >100 To 250, Deduct	-1.24	
	For >250 To 500, Deduct	-2.16	
	For >500, Deduct	-3.07	

06 05 23 00-0008 Hold Down Anchors <sup>(06 05 23)</sup>

Note: Including nails.

06 05 23 00-0009	EA 8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Hold Downs (Simpson Strong Tie® HD3B) .....	44.48	
	For >10 To 50, Deduct	-1.62	
	For >50 To 100, Deduct	-3.55	
	For >100 To 250, Deduct	-7.10	
	For >250 To 500, Deduct	-12.27	
	For >500, Deduct	-17.44	
06 05 23 00-0010	EA 9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Hold Downs (Simpson Strong Tie® HD5B) .....	62.28	
	For >10 To 50, Deduct	-1.62	
	For >50 To 100, Deduct	-3.99	
	For >100 To 250, Deduct	-7.99	
	For >250 To 500, Deduct	-13.61	
	For >500, Deduct	-19.22	
06 05 23 00-0011	EA 12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Hold Downs (Simpson Strong Tie® HD7B) .....	70.66	
	For >10 To 50, Deduct	-1.78	
	For >50 To 100, Deduct	-4.44	
	For >100 To 250, Deduct	-8.88	
	For >250 To 500, Deduct	-15.10	
	For >500, Deduct	-21.32	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0012	EA		14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Hold Downs (Simpson Strong Tie® HD9B) .....	86.41	
			For >10 To 50, Deduct	-1.99	
			For >50 To 100, Deduct	-5.15	
			For >100 To 250, Deduct	-10.30	
			For >250 To 500, Deduct	-17.43	
			For >500, Deduct	-24.57	
06 05 23 00-0013	EA		20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Hold Downs (Simpson Strong Tie® HD12).....	171.44	
			For >10 To 50, Deduct	-2.52	
			For >50 To 100, Deduct	-8.06	
			For >100 To 250, Deduct	-16.12	
			For >250 To 500, Deduct	-26.70	
			For >500, Deduct	-37.27	
06 05 23 00-0014	EA		24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Hold Downs (Simpson Strong Tie® HD19).....	197.31	
			For >10 To 50, Deduct	-2.62	
			For >50 To 100, Deduct	-8.86	
			For >100 To 250, Deduct	-17.73	
			For >250 To 500, Deduct	-29.21	
			For >500, Deduct	-40.70	
<b>06 05 23 00-0015</b>			<b>Joist And Beam Hangers</b> (06 05 23)		
			Note: Including nails.		
06 05 23 00-0016	EA		18 Gauge Joist Hanger, For 2" x 4" Joist, Also Acceptable For Beam Hangers.....	6.80	2.93
			For >10 To 50, Deduct	-0.30	
			For >50 To 100, Deduct	-0.62	
			For >100 To 250, Deduct	-1.24	
			For >250 To 500, Deduct	-2.16	
			For >500, Deduct	-3.08	
06 05 23 00-0017	EA		18 Gauge Joist Hanger, For 2" x 6"-2" x 10" Joist, Also Acceptable For Beam Hangers .....	7.82	2.93
			For >10 To 50, Deduct	-0.32	
			For >50 To 100, Deduct	-0.67	
			For >100 To 250, Deduct	-1.34	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-3.32	
06 05 23 00-0018	EA		16 Gauge Joist Hanger, For 3" x 6"-3" x 9" Joist, Also Acceptable For Beam Hangers .....	10.14	2.93
			For >10 To 50, Deduct	-0.33	
			For >50 To 100, Deduct	-0.75	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-2.56	
			For >500, Deduct	-3.64	
06 05 23 00-0019	EA		16 Gauge Joist Hanger, For 3" x 10"-3" x 14" Joist, Also Acceptable For Beam Hangers .....	10.37	2.93
			For >10 To 50, Deduct	-0.33	
			For >50 To 100, Deduct	-0.75	
			For >100 To 250, Deduct	-1.50	
			For >250 To 500, Deduct	-2.58	
			For >500, Deduct	-3.66	
06 05 23 00-0020	EA		14 Gauge Joist Hanger, For 4" x 6"-4" x 8" Joist, Also Acceptable For Beam Hangers .....	10.44	3.04
			For >10 To 50, Deduct	-0.34	
			For >50 To 100, Deduct	-0.77	
			For >100 To 250, Deduct	-1.54	
			For >250 To 500, Deduct	-2.64	
			For >500, Deduct	-3.75	
06 05 23 00-0021	EA		14 Gauge Joist Hanger, For 4" x 10"-4" x 14" Joist, Also Acceptable For Beam Hangers .....	11.05	3.04
			For >10 To 50, Deduct	-0.34	
			For >50 To 100, Deduct	-0.78	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.81	
<b>06 05 23 00-0022</b>			<b>Anchor And Ties</b> (06 05 23)		
			Note: Including nails.		
06 05 23 00-0023	EA		Pre-Deflected Hold Down With SDS Screws (Simpson Strong Tie® PHD5-SDS) .....	42.91	
06 05 23 00-0024	EA		12-3/8" Heavy Tension Tie (Simpson Strong Tie® HTT4) .....	27.69	
06 05 23 00-0025	EA		16" Heavy Tension Tie (Simpson Strong Tie® HTT5).....	40.31	
06 05 23 00-0026	EA		2" x 4" Or 2" x 6" Mudsill Anchor 16 Gauge Zinc Galvanized Finish (Simpson Strong Tie® MAS) .....	3.84	
<b>06 05 23 00-0027</b>			<b>Hurricane Clips</b> (06 05 23)		
06 05 23 00-0028	EA		18 Gauge Zinc Galvanized Finish Hurricane Clips (Simpson Strong Tie® H2.5A) .....	2.85	
06 05 23 00-0029	EA		18 Gauge Stainless Steel Hurricane Clips (Simpson Strong Tie® H2.5SS) .....	6.94	
06 05 23 00-0030	EA		Hurricane Strap (Simpson Strong Tie® H6) .....	11.17	
<b>06 05 23 00-0031</b>			<b>Post Framing</b> (06 05 23)		
			Note: Including nails.		
06 05 23 00-0032	EA		16 Gauge Post Framing With 4" x 4" Base .....	13.92	3.67
			For >10 To 50, Deduct	-0.40	
			For >50 To 100, Deduct	-0.95	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-3.26	
			For >500, Deduct	-4.62	
06 05 23 00-0033	EA		16 Gauge Post Framing With 4" x 4" Cap .....	11.61	3.67
			For >10 To 50, Deduct	-0.40	
			For >50 To 100, Deduct	-0.90	
			For >100 To 250, Deduct	-1.79	
			For >250 To 500, Deduct	-3.09	
			For >500, Deduct	-4.39	

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

<b>06 05 23 00-0034</b>	<b>Rafter Anchors</b> <small>(06 05 23)</small>		
06 05 23 00-0035	EA 1-1/2" Wide x 5-1/4" Long, 18 Gauge Rafter Anchor .....	7.65	3.25
	For >10 To 50, Deduct	-0.36	
	For >50 To 100, Deduct	-0.73	
	For >100 To 250, Deduct	-1.47	
	For >250 To 500, Deduct	-2.56	
	For >500, Deduct	-3.66	
06 05 23 00-0036	EA 1-1/2" Wide x 10-3/4" Long, 18 Gauge Rafter Anchor.....	7.90	3.25
	For >10 To 50, Deduct	-0.36	
	For >50 To 100, Deduct	-0.74	
	For >100 To 250, Deduct	-1.48	
	For >250 To 500, Deduct	-2.58	
	For >500, Deduct	-3.68	
06 05 23 00-0037	EA Galvanized Rigid Rafter Connector, For 2" x 6" .....	9.59	3.25
	For >10 To 50, Deduct	-0.36	
	For >50 To 100, Deduct	-0.78	
	For >100 To 250, Deduct	-1.56	
	For >250 To 500, Deduct	-2.71	
	For >500, Deduct	-3.85	

<b>06 05 23 00-0038</b>	<b>Bolts And Fasteners</b> <small>(06 05 23)</small>		
<b>06 05 23 00-0039</b>	<b>Carriage Bolts</b> <small>(06 05 23 00-0039)</small>		
	Note: Includes drilling of holes in any material. Includes nut and washer.		

<b>06 05 23 00-0040</b>	<b>Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts</b> <small>(06 05 23 00-0039)</small>		
06 05 23 00-0041	EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	14.01	
	For >10 To 50, Deduct	-0.68	
	For >50 To 100, Deduct	-1.37	
	For >100 To 250, Deduct	-2.74	
	For >250 To 500, Deduct	-4.80	
	For >500, Deduct	-6.85	
06 05 23 00-0042	EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	14.18	
	For >10 To 50, Deduct	-0.68	
	For >50 To 100, Deduct	-1.38	
	For >100 To 250, Deduct	-2.75	
	For >250 To 500, Deduct	-4.81	
	For >500, Deduct	-6.87	
06 05 23 00-0043	EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	14.28	
	For >10 To 50, Deduct	-0.68	
	For >50 To 100, Deduct	-1.38	
	For >100 To 250, Deduct	-2.76	
	For >250 To 500, Deduct	-4.82	
	For >500, Deduct	-6.88	
06 05 23 00-0044	EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	16.70	
	For >10 To 50, Deduct	-0.79	
	For >50 To 100, Deduct	-1.60	
	For >100 To 250, Deduct	-3.19	
	For >250 To 500, Deduct	-5.58	
	For >500, Deduct	-7.96	
06 05 23 00-0045	EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	15.51	
	For >10 To 50, Deduct	-0.73	
	For >50 To 100, Deduct	-1.49	
	For >100 To 250, Deduct	-2.98	
	For >250 To 500, Deduct	-5.20	
	For >500, Deduct	-7.42	
06 05 23 00-0046	EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	16.85	
	For >10 To 50, Deduct	-0.79	
	For >50 To 100, Deduct	-1.60	
	For >100 To 250, Deduct	-3.20	
	For >250 To 500, Deduct	-5.59	
	For >500, Deduct	-7.98	
06 05 23 00-0047	EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	17.12	
	For >10 To 50, Deduct	-0.79	
	For >50 To 100, Deduct	-1.61	
	For >100 To 250, Deduct	-3.22	
	For >250 To 500, Deduct	-5.61	
	For >500, Deduct	-8.00	
06 05 23 00-0048	EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	20.46	
	For >10 To 50, Deduct	-0.94	
	For >50 To 100, Deduct	-1.93	
	For >100 To 250, Deduct	-3.85	
	For >250 To 500, Deduct	-6.72	
	For >500, Deduct	-9.59	
06 05 23 00-0049	EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	22.32	
	For >10 To 50, Deduct	-1.00	
	For >50 To 100, Deduct	-2.05	
	For >100 To 250, Deduct	-4.10	
	For >250 To 500, Deduct	-7.15	
	For >500, Deduct	-10.20	
06 05 23 00-0050	EA 3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	25.23	
	For >10 To 50, Deduct	-1.10	
	For >50 To 100, Deduct	-2.28	
	For >100 To 250, Deduct	-4.56	
	For >250 To 500, Deduct	-7.95	
	For >500, Deduct	-11.33	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0051	EA		1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	17.43	
			<i>For &gt;10 To 50, Deduct</i>	-0.79	
			<i>For &gt;50 To 100, Deduct</i>	-1.62	
			<i>For &gt;100 To 250, Deduct</i>	-3.23	
			<i>For &gt;250 To 500, Deduct</i>	-5.63	
			<i>For &gt;500, Deduct</i>	-8.04	
06 05 23 00-0052	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	19.18	
			<i>For &gt;10 To 50, Deduct</i>	-0.84	
			<i>For &gt;50 To 100, Deduct</i>	-1.74	
			<i>For &gt;100 To 250, Deduct</i>	-3.48	
			<i>For &gt;250 To 500, Deduct</i>	-6.05	
			<i>For &gt;500, Deduct</i>	-8.63	
06 05 23 00-0053	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	20.45	
			<i>For &gt;10 To 50, Deduct</i>	-0.89	
			<i>For &gt;50 To 100, Deduct</i>	-1.85	
			<i>For &gt;100 To 250, Deduct</i>	-3.70	
			<i>For &gt;250 To 500, Deduct</i>	-6.43	
			<i>For &gt;500, Deduct</i>	-9.17	
06 05 23 00-0054	EA		1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	22.94	
			<i>For &gt;10 To 50, Deduct</i>	-1.00	
			<i>For &gt;50 To 100, Deduct</i>	-2.07	
			<i>For &gt;100 To 250, Deduct</i>	-4.14	
			<i>For &gt;250 To 500, Deduct</i>	-7.20	
			<i>For &gt;500, Deduct</i>	-10.26	
06 05 23 00-0055	EA		1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	27.02	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.41	
			<i>For &gt;100 To 250, Deduct</i>	-4.81	
			<i>For &gt;250 To 500, Deduct</i>	-8.37	
			<i>For &gt;500, Deduct</i>	-11.93	
06 05 23 00-0056	EA		1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	30.39	
			<i>For &gt;10 To 50, Deduct</i>	-1.26	
			<i>For &gt;50 To 100, Deduct</i>	-2.65	
			<i>For &gt;100 To 250, Deduct</i>	-5.29	
			<i>For &gt;250 To 500, Deduct</i>	-9.20	
			<i>For &gt;500, Deduct</i>	-13.10	
06 05 23 00-0057	EA		3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	24.27	
			<i>For &gt;10 To 50, Deduct</i>	-0.94	
			<i>For &gt;50 To 100, Deduct</i>	-2.02	
			<i>For &gt;100 To 250, Deduct</i>	-4.04	
			<i>For &gt;250 To 500, Deduct</i>	-7.01	
			<i>For &gt;500, Deduct</i>	-9.98	
06 05 23 00-0058	EA		3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	26.41	
			<i>For &gt;10 To 50, Deduct</i>	-1.00	
			<i>For &gt;50 To 100, Deduct</i>	-2.15	
			<i>For &gt;100 To 250, Deduct</i>	-4.31	
			<i>For &gt;250 To 500, Deduct</i>	-7.46	
			<i>For &gt;500, Deduct</i>	-10.61	
06 05 23 00-0059	EA		3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	31.79	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.52	
			<i>For &gt;100 To 250, Deduct</i>	-5.05	
			<i>For &gt;250 To 500, Deduct</i>	-8.73	
			<i>For &gt;500, Deduct</i>	-12.40	
06 05 23 00-0060	EA		3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	36.07	
			<i>For &gt;10 To 50, Deduct</i>	-1.21	
			<i>For &gt;50 To 100, Deduct</i>	-2.71	
			<i>For &gt;100 To 250, Deduct</i>	-5.42	
			<i>For &gt;250 To 500, Deduct</i>	-9.34	
			<i>For &gt;500, Deduct</i>	-13.25	
06 05 23 00-0061	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	39.16	
			<i>For &gt;10 To 50, Deduct</i>	-1.31	
			<i>For &gt;50 To 100, Deduct</i>	-2.94	
			<i>For &gt;100 To 250, Deduct</i>	-5.89	
			<i>For &gt;250 To 500, Deduct</i>	-10.14	
			<i>For &gt;500, Deduct</i>	-14.40	
06 05 23 00-0062	EA		3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	39.84	
			<i>For &gt;10 To 50, Deduct</i>	-1.36	
			<i>For &gt;50 To 100, Deduct</i>	-3.04	
			<i>For &gt;100 To 250, Deduct</i>	-6.08	
			<i>For &gt;250 To 500, Deduct</i>	-10.48	
			<i>For &gt;500, Deduct</i>	-14.89	
06 05 23 00-0063			<b>Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts</b> (06 05 23 00-0039) .....		
06 05 23 00-0064	EA		1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	14.31	
			<i>For &gt;10 To 50, Deduct</i>	-0.68	
			<i>For &gt;50 To 100, Deduct</i>	-1.38	
			<i>For &gt;100 To 250, Deduct</i>	-2.76	
			<i>For &gt;250 To 500, Deduct</i>	-4.82	
			<i>For &gt;500, Deduct</i>	-6.88	
06 05 23 00-0065	EA		1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	14.63	
			<i>For &gt;10 To 50, Deduct</i>	-0.68	
			<i>For &gt;50 To 100, Deduct</i>	-1.39	
			<i>For &gt;100 To 250, Deduct</i>	-2.77	
			<i>For &gt;250 To 500, Deduct</i>	-4.84	
			<i>For &gt;500, Deduct</i>	-6.91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0066 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	14.98	
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.40	
For >100 To 250, Deduct	-2.79	
For >250 To 500, Deduct	-4.87	
For >500, Deduct	-6.95	
06 05 23 00-0067 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	17.88	
For >10 To 50, Deduct	-0.79	
For >50 To 100, Deduct	-1.63	
For >100 To 250, Deduct	-3.25	
For >250 To 500, Deduct	-5.67	
For >500, Deduct	-8.08	
06 05 23 00-0068 EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	15.94	
For >10 To 50, Deduct	-0.73	
For >50 To 100, Deduct	-1.50	
For >100 To 250, Deduct	-3.00	
For >250 To 500, Deduct	-5.23	
For >500, Deduct	-7.46	
06 05 23 00-0069 EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	17.51	
For >10 To 50, Deduct	-0.79	
For >50 To 100, Deduct	-1.62	
For >100 To 250, Deduct	-3.24	
For >250 To 500, Deduct	-5.64	
For >500, Deduct	-8.04	
06 05 23 00-0070 EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	17.90	
For >10 To 50, Deduct	-0.79	
For >50 To 100, Deduct	-1.63	
For >100 To 250, Deduct	-3.25	
For >250 To 500, Deduct	-5.67	
For >500, Deduct	-8.08	
06 05 23 00-0071 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	21.64	
For >10 To 50, Deduct	-0.94	
For >50 To 100, Deduct	-1.96	
For >100 To 250, Deduct	-3.91	
For >250 To 500, Deduct	-6.81	
For >500, Deduct	-9.71	
06 05 23 00-0072 EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	23.65	
For >10 To 50, Deduct	-1.00	
For >50 To 100, Deduct	-2.09	
For >100 To 250, Deduct	-4.17	
For >250 To 500, Deduct	-7.25	
For >500, Deduct	-10.33	
06 05 23 00-0073 EA 3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	26.46	
For >10 To 50, Deduct	-1.10	
For >50 To 100, Deduct	-2.31	
For >100 To 250, Deduct	-4.62	
For >250 To 500, Deduct	-8.04	
For >500, Deduct	-11.45	
06 05 23 00-0074 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	18.42	
For >10 To 50, Deduct	-0.79	
For >50 To 100, Deduct	-1.64	
For >100 To 250, Deduct	-3.28	
For >250 To 500, Deduct	-5.71	
For >500, Deduct	-8.13	
06 05 23 00-0075 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	19.96	
For >10 To 50, Deduct	-0.84	
For >50 To 100, Deduct	-1.76	
For >100 To 250, Deduct	-3.52	
For >250 To 500, Deduct	-6.11	
For >500, Deduct	-8.71	
06 05 23 00-0076 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	21.38	
For >10 To 50, Deduct	-0.89	
For >50 To 100, Deduct	-1.87	
For >100 To 250, Deduct	-3.74	
For >250 To 500, Deduct	-6.50	
For >500, Deduct	-9.27	
06 05 23 00-0077 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	24.28	
For >10 To 50, Deduct	-1.00	
For >50 To 100, Deduct	-2.10	
For >100 To 250, Deduct	-4.20	
For >250 To 500, Deduct	-7.30	
For >500, Deduct	-10.40	
06 05 23 00-0078 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	28.34	
For >10 To 50, Deduct	-1.15	
For >50 To 100, Deduct	-2.44	
For >100 To 250, Deduct	-4.88	
For >250 To 500, Deduct	-8.47	
For >500, Deduct	-12.06	
06 05 23 00-0079 EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	31.40	
For >10 To 50, Deduct	-1.26	
For >50 To 100, Deduct	-2.67	
For >100 To 250, Deduct	-5.34	
For >250 To 500, Deduct	-9.27	
For >500, Deduct	-13.20	
06 05 23 00-0080 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	27.26	
For >10 To 50, Deduct	-0.94	
For >50 To 100, Deduct	-2.10	
For >100 To 250, Deduct	-4.19	
For >250 To 500, Deduct	-7.23	
For >500, Deduct	-10.27	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0081	EA		3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	28.50	
			<i>For &gt;10 To 50, Deduct</i>	-1.00	
			<i>For &gt;50 To 100, Deduct</i>	-2.21	
			<i>For &gt;100 To 250, Deduct</i>	-4.41	
			<i>For &gt;250 To 500, Deduct</i>	-7.62	
			<i>For &gt;500, Deduct</i>	-10.82	
06 05 23 00-0082	EA		3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	33.28	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.56	
			<i>For &gt;100 To 250, Deduct</i>	-5.12	
			<i>For &gt;250 To 500, Deduct</i>	-8.84	
			<i>For &gt;500, Deduct</i>	-12.55	
06 05 23 00-0083	EA		3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	35.95	
			<i>For &gt;10 To 50, Deduct</i>	-1.21	
			<i>For &gt;50 To 100, Deduct</i>	-2.71	
			<i>For &gt;100 To 250, Deduct</i>	-5.41	
			<i>For &gt;250 To 500, Deduct</i>	-9.33	
			<i>For &gt;500, Deduct</i>	-13.24	
06 05 23 00-0084	EA		3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	41.08	
			<i>For &gt;10 To 50, Deduct</i>	-1.31	
			<i>For &gt;50 To 100, Deduct</i>	-2.99	
			<i>For &gt;100 To 250, Deduct</i>	-5.98	
			<i>For &gt;250 To 500, Deduct</i>	-10.29	
			<i>For &gt;500, Deduct</i>	-14.59	
06 05 23 00-0085	EA		3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	43.86	
			<i>For &gt;10 To 50, Deduct</i>	-1.36	
			<i>For &gt;50 To 100, Deduct</i>	-3.14	
			<i>For &gt;100 To 250, Deduct</i>	-6.28	
			<i>For &gt;250 To 500, Deduct</i>	-10.79	
			<i>For &gt;500, Deduct</i>	-15.29	
<b>06 05 23 00-0086</b>			<b>304/18-8 Stainless Steel, Carriage Bolts</b> <small>(06 05 23 00-0039)</small>		
06 05 23 00-0087	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	14.99	
			<i>For &gt;10 To 50, Deduct</i>	-0.68	
			<i>For &gt;50 To 100, Deduct</i>	-1.40	
			<i>For &gt;100 To 250, Deduct</i>	-2.79	
			<i>For &gt;250 To 500, Deduct</i>	-4.87	
			<i>For &gt;500, Deduct</i>	-6.95	
06 05 23 00-0088	EA		1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	16.49	
			<i>For &gt;10 To 50, Deduct</i>	-0.68	
			<i>For &gt;50 To 100, Deduct</i>	-1.43	
			<i>For &gt;100 To 250, Deduct</i>	-2.87	
			<i>For &gt;250 To 500, Deduct</i>	-4.98	
			<i>For &gt;500, Deduct</i>	-7.10	
06 05 23 00-0089	EA		1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	17.48	
			<i>For &gt;10 To 50, Deduct</i>	-0.68	
			<i>For &gt;50 To 100, Deduct</i>	-1.46	
			<i>For &gt;100 To 250, Deduct</i>	-2.92	
			<i>For &gt;250 To 500, Deduct</i>	-5.06	
			<i>For &gt;500, Deduct</i>	-7.20	
06 05 23 00-0090	EA		1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	30.17	
			<i>For &gt;10 To 50, Deduct</i>	-0.79	
			<i>For &gt;50 To 100, Deduct</i>	-1.93	
			<i>For &gt;100 To 250, Deduct</i>	-3.87	
			<i>For &gt;250 To 500, Deduct</i>	-6.59	
			<i>For &gt;500, Deduct</i>	-9.31	
06 05 23 00-0091	EA		3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	17.43	
			<i>For &gt;10 To 50, Deduct</i>	-0.73	
			<i>For &gt;50 To 100, Deduct</i>	-1.54	
			<i>For &gt;100 To 250, Deduct</i>	-3.07	
			<i>For &gt;250 To 500, Deduct</i>	-5.34	
			<i>For &gt;500, Deduct</i>	-7.61	
06 05 23 00-0092	EA		3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	20.67	
			<i>For &gt;10 To 50, Deduct</i>	-0.79	
			<i>For &gt;50 To 100, Deduct</i>	-1.70	
			<i>For &gt;100 To 250, Deduct</i>	-3.39	
			<i>For &gt;250 To 500, Deduct</i>	-5.88	
			<i>For &gt;500, Deduct</i>	-8.36	
06 05 23 00-0093	EA		3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	21.14	
			<i>For &gt;10 To 50, Deduct</i>	-0.79	
			<i>For &gt;50 To 100, Deduct</i>	-1.71	
			<i>For &gt;100 To 250, Deduct</i>	-3.42	
			<i>For &gt;250 To 500, Deduct</i>	-5.91	
			<i>For &gt;500, Deduct</i>	-8.41	
06 05 23 00-0094	EA		3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	39.95	
			<i>For &gt;10 To 50, Deduct</i>	-0.94	
			<i>For &gt;50 To 100, Deduct</i>	-2.41	
			<i>For &gt;100 To 250, Deduct</i>	-4.83	
			<i>For &gt;250 To 500, Deduct</i>	-8.19	
			<i>For &gt;500, Deduct</i>	-11.54	
06 05 23 00-0095	EA		3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	48.82	
			<i>For &gt;10 To 50, Deduct</i>	-1.00	
			<i>For &gt;50 To 100, Deduct</i>	-2.71	
			<i>For &gt;100 To 250, Deduct</i>	-5.43	
			<i>For &gt;250 To 500, Deduct</i>	-9.14	
			<i>For &gt;500, Deduct</i>	-12.85	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0096 EA 3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	54.71	
For >10 To 50, Deduct	-1.10	
For >50 To 100, Deduct	-3.02	
For >100 To 250, Deduct	-6.04	
For >250 To 500, Deduct	-10.16	
For >500, Deduct	-14.28	
06 05 23 00-0097 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	22.43	
For >10 To 50, Deduct	-0.79	
For >50 To 100, Deduct	-1.74	
For >100 To 250, Deduct	-3.48	
For >250 To 500, Deduct	-6.01	
For >500, Deduct	-8.54	
06 05 23 00-0098 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	25.57	
For >10 To 50, Deduct	-0.84	
For >50 To 100, Deduct	-1.90	
For >100 To 250, Deduct	-3.80	
For >250 To 500, Deduct	-6.53	
For >500, Deduct	-9.27	
06 05 23 00-0099 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	31.17	
For >10 To 50, Deduct	-0.89	
For >50 To 100, Deduct	-2.12	
For >100 To 250, Deduct	-4.23	
For >250 To 500, Deduct	-7.24	
For >500, Deduct	-10.25	
06 05 23 00-0100 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	50.20	
For >10 To 50, Deduct	-1.00	
For >50 To 100, Deduct	-2.75	
For >100 To 250, Deduct	-5.50	
For >250 To 500, Deduct	-9.24	
For >500, Deduct	-12.99	
06 05 23 00-0101 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	56.66	
For >10 To 50, Deduct	-1.15	
For >50 To 100, Deduct	-3.15	
For >100 To 250, Deduct	-6.29	
For >250 To 500, Deduct	-10.59	
For >500, Deduct	-14.89	
06 05 23 00-0102 EA 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	89.79	
For >10 To 50, Deduct	-1.26	
For >50 To 100, Deduct	-4.13	
For >100 To 250, Deduct	-8.26	
For >250 To 500, Deduct	-13.65	
For >500, Deduct	-19.04	
06 05 23 00-0103 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	69.71	
For >10 To 50, Deduct	-1.00	
For >50 To 100, Deduct	-3.24	
For >100 To 250, Deduct	-6.47	
For >250 To 500, Deduct	-10.71	
For >500, Deduct	-14.94	
06 05 23 00-0104 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	99.10	
For >10 To 50, Deduct	-1.15	
For >50 To 100, Deduct	-4.21	
For >100 To 250, Deduct	-8.41	
For >250 To 500, Deduct	-13.77	
For >500, Deduct	-19.13	
06 05 23 00-0105 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	109.93	
For >10 To 50, Deduct	-1.21	
For >50 To 100, Deduct	-4.56	
For >100 To 250, Deduct	-9.11	
For >250 To 500, Deduct	-14.88	
For >500, Deduct	-20.64	
06 05 23 00-0106 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	162.97	
For >10 To 50, Deduct	-1.31	
For >50 To 100, Deduct	-6.04	
For >100 To 250, Deduct	-12.08	
For >250 To 500, Deduct	-19.43	
For >500, Deduct	-26.78	
06 05 23 00-0107 EA 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	171.47	
For >10 To 50, Deduct	-1.36	
For >50 To 100, Deduct	-6.33	
For >100 To 250, Deduct	-12.66	
For >250 To 500, Deduct	-20.36	
For >500, Deduct	-28.05	
<b>06 05 23 00-0108 316 Stainless Steel, Carriage Bolts (06 05 23 00-0039)</b> .....	<b>21.93</b>	
06 05 23 00-0109 EA 1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	21.93	
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.57	
For >100 To 250, Deduct	-3.14	
For >250 To 500, Deduct	-5.39	
For >500, Deduct	-7.64	
06 05 23 00-0110 EA 1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	24.57	
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.64	
For >100 To 250, Deduct	-3.27	
For >250 To 500, Deduct	-5.59	
For >500, Deduct	-7.91	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0111	EA 3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	26.51	
	For >10 To 50, Deduct	-0.73	
	For >50 To 100, Deduct	-1.76	
	For >100 To 250, Deduct	-3.53	
	For >250 To 500, Deduct	-6.02	
	For >500, Deduct	-8.52	
06 05 23 00-0112	EA 3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	31.23	
	For >10 To 50, Deduct	-0.79	
	For >50 To 100, Deduct	-1.96	
	For >100 To 250, Deduct	-3.92	
	For >250 To 500, Deduct	-6.67	
	For >500, Deduct	-9.42	
06 05 23 00-0113	EA 1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	42.96	
	For >10 To 50, Deduct	-0.79	
	For >50 To 100, Deduct	-2.25	
	For >100 To 250, Deduct	-4.51	
	For >250 To 500, Deduct	-7.55	
	For >500, Deduct	-10.59	
06 05 23 00-0114	EA 1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	46.86	
	For >10 To 50, Deduct	-0.84	
	For >50 To 100, Deduct	-2.43	
	For >100 To 250, Deduct	-4.86	
	For >250 To 500, Deduct	-8.13	
	For >500, Deduct	-11.40	
06 05 23 00-0115	EA 1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt.....	50.52	
	For >10 To 50, Deduct	-0.89	
	For >50 To 100, Deduct	-2.60	
	For >100 To 250, Deduct	-5.20	
	For >250 To 500, Deduct	-8.69	
	For >500, Deduct	-12.18	
06 05 23 00-0116	Hex Lag Bolts <small>(06 05 23 00-0038)</small>		
	Note: Includes drilling of holes in any material.		
06 05 23 00-0117	Zinc Plated Steel, Hex Lag Bolts <small>(06 05 23 00-0116)</small>		
06 05 23 00-0118	EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	13.34	
	For >10 To 50, Deduct	-0.66	
	For >50 To 100, Deduct	-1.32	
	For >100 To 250, Deduct	-2.63	
	For >250 To 500, Deduct	-4.60	
	For >500, Deduct	-6.57	
06 05 23 00-0119	EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	13.48	
	For >10 To 50, Deduct	-0.66	
	For >50 To 100, Deduct	-1.32	
	For >100 To 250, Deduct	-2.64	
	For >250 To 500, Deduct	-4.61	
	For >500, Deduct	-6.59	
06 05 23 00-0120	EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	13.78	
	For >10 To 50, Deduct	-0.66	
	For >50 To 100, Deduct	-1.33	
	For >100 To 250, Deduct	-2.65	
	For >250 To 500, Deduct	-4.64	
	For >500, Deduct	-6.62	
06 05 23 00-0121	EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	14.73	
	For >10 To 50, Deduct	-0.71	
	For >50 To 100, Deduct	-1.44	
	For >100 To 250, Deduct	-2.88	
	For >250 To 500, Deduct	-5.03	
	For >500, Deduct	-7.19	
06 05 23 00-0122	EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.04	
	For >10 To 50, Deduct	-0.77	
	For >50 To 100, Deduct	-1.55	
	For >100 To 250, Deduct	-3.10	
	For >250 To 500, Deduct	-5.41	
	For >500, Deduct	-7.72	
06 05 23 00-0123	EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.37	
	For >10 To 50, Deduct	-0.77	
	For >50 To 100, Deduct	-1.56	
	For >100 To 250, Deduct	-3.11	
	For >250 To 500, Deduct	-5.44	
	For >500, Deduct	-7.76	
06 05 23 00-0124	EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	20.10	
	For >10 To 50, Deduct	-0.92	
	For >50 To 100, Deduct	-1.88	
	For >100 To 250, Deduct	-3.76	
	For >250 To 500, Deduct	-6.56	
	For >500, Deduct	-9.35	
06 05 23 00-0125	EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	21.30	
	For >10 To 50, Deduct	-0.97	
	For >50 To 100, Deduct	-1.99	
	For >100 To 250, Deduct	-3.97	
	For >250 To 500, Deduct	-6.92	
	For >500, Deduct	-9.88	
06 05 23 00-0126	EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.37	
	For >10 To 50, Deduct	-0.77	
	For >50 To 100, Deduct	-1.57	
	For >100 To 250, Deduct	-3.13	
	For >250 To 500, Deduct	-5.47	
	For >500, Deduct	-7.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0127 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	17.87	
For >10 To 50, Deduct	-0.82	
For >50 To 100, Deduct	-1.68	
For >100 To 250, Deduct	-3.36	
For >250 To 500, Deduct	-5.86	
For >500, Deduct	-8.36	
06 05 23 00-0128 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	19.51	
For >10 To 50, Deduct	-0.87	
For >50 To 100, Deduct	-1.80	
For >100 To 250, Deduct	-3.60	
For >250 To 500, Deduct	-6.27	
For >500, Deduct	-8.94	
06 05 23 00-0129 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	22.26	
For >10 To 50, Deduct	-0.98	
For >50 To 100, Deduct	-2.02	
For >100 To 250, Deduct	-4.04	
For >250 To 500, Deduct	-7.04	
For >500, Deduct	-10.03	
06 05 23 00-0130 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	26.30	
For >10 To 50, Deduct	-1.13	
For >50 To 100, Deduct	-2.35	
For >100 To 250, Deduct	-4.71	
For >250 To 500, Deduct	-8.19	
For >500, Deduct	-11.67	
06 05 23 00-0131 EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	28.70	
For >10 To 50, Deduct	-1.23	
For >50 To 100, Deduct	-2.57	
For >100 To 250, Deduct	-5.13	
For >250 To 500, Deduct	-8.93	
For >500, Deduct	-12.73	
06 05 23 00-0132 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	24.26	
For >10 To 50, Deduct	-0.98	
For >50 To 100, Deduct	-2.07	
For >100 To 250, Deduct	-4.14	
For >250 To 500, Deduct	-7.19	
For >500, Deduct	-10.23	
06 05 23 00-0133 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	29.07	
For >10 To 50, Deduct	-1.13	
For >50 To 100, Deduct	-2.42	
For >100 To 250, Deduct	-4.85	
For >250 To 500, Deduct	-8.40	
For >500, Deduct	-11.95	
06 05 23 00-0134 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	32.37	
For >10 To 50, Deduct	-1.18	
For >50 To 100, Deduct	-2.58	
For >100 To 250, Deduct	-5.16	
For >250 To 500, Deduct	-8.93	
For >500, Deduct	-12.69	
06 05 23 00-0135 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	36.51	
For >10 To 50, Deduct	-1.28	
For >50 To 100, Deduct	-2.84	
For >100 To 250, Deduct	-5.68	
For >250 To 500, Deduct	-9.80	
For >500, Deduct	-13.93	
06 05 23 00-0136 EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	41.19	
For >10 To 50, Deduct	-1.34	
For >50 To 100, Deduct	-3.03	
For >100 To 250, Deduct	-6.07	
For >250 To 500, Deduct	-10.43	
For >500, Deduct	-14.80	
<b>06 05 23 00-0137 Hot Dipped Galvanized Steel, Hex Lag Bolts (06 05 23 00-0116)</b> .....	<b>13.41</b>	
06 05 23 00-0138 EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	13.41	
For >10 To 50, Deduct	-0.66	
For >50 To 100, Deduct	-1.32	
For >100 To 250, Deduct	-2.64	
For >250 To 500, Deduct	-4.61	
For >500, Deduct	-6.58	
06 05 23 00-0139 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	13.63	
For >10 To 50, Deduct	-0.66	
For >50 To 100, Deduct	-1.32	
For >100 To 250, Deduct	-2.65	
For >250 To 500, Deduct	-4.62	
For >500, Deduct	-6.60	
06 05 23 00-0140 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	13.86	
For >10 To 50, Deduct	-0.66	
For >50 To 100, Deduct	-1.33	
For >100 To 250, Deduct	-2.66	
For >250 To 500, Deduct	-4.64	
For >500, Deduct	-6.63	
06 05 23 00-0141 EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	14.86	
For >10 To 50, Deduct	-0.71	
For >50 To 100, Deduct	-1.44	
For >100 To 250, Deduct	-2.89	
For >250 To 500, Deduct	-5.04	
For >500, Deduct	-7.20	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0142	EA		3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.23	
			<i>For &gt;10 To 50, Deduct</i>	-0.77	
			<i>For &gt;50 To 100, Deduct</i>	-1.55	
			<i>For &gt;100 To 250, Deduct</i>	-3.11	
			<i>For &gt;250 To 500, Deduct</i>	-5.42	
			<i>For &gt;500, Deduct</i>	-7.74	
06 05 23 00-0143	EA		3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.60	
			<i>For &gt;10 To 50, Deduct</i>	-0.77	
			<i>For &gt;50 To 100, Deduct</i>	-1.56	
			<i>For &gt;100 To 250, Deduct</i>	-3.13	
			<i>For &gt;250 To 500, Deduct</i>	-5.45	
			<i>For &gt;500, Deduct</i>	-7.78	
06 05 23 00-0144	EA		3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	20.55	
			<i>For &gt;10 To 50, Deduct</i>	-0.92	
			<i>For &gt;50 To 100, Deduct</i>	-1.89	
			<i>For &gt;100 To 250, Deduct</i>	-3.78	
			<i>For &gt;250 To 500, Deduct</i>	-6.59	
			<i>For &gt;500, Deduct</i>	-9.40	
06 05 23 00-0145	EA		3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	22.05	
			<i>For &gt;10 To 50, Deduct</i>	-0.97	
			<i>For &gt;50 To 100, Deduct</i>	-2.00	
			<i>For &gt;100 To 250, Deduct</i>	-4.01	
			<i>For &gt;250 To 500, Deduct</i>	-6.98	
			<i>For &gt;500, Deduct</i>	-9.95	
06 05 23 00-0146	EA		1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.71	
			<i>For &gt;10 To 50, Deduct</i>	-0.77	
			<i>For &gt;50 To 100, Deduct</i>	-1.57	
			<i>For &gt;100 To 250, Deduct</i>	-3.15	
			<i>For &gt;250 To 500, Deduct</i>	-5.49	
			<i>For &gt;500, Deduct</i>	-7.84	
06 05 23 00-0147	EA		1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	18.05	
			<i>For &gt;10 To 50, Deduct</i>	-0.82	
			<i>For &gt;50 To 100, Deduct</i>	-1.68	
			<i>For &gt;100 To 250, Deduct</i>	-3.37	
			<i>For &gt;250 To 500, Deduct</i>	-5.87	
			<i>For &gt;500, Deduct</i>	-8.38	
06 05 23 00-0148	EA		1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	19.84	
			<i>For &gt;10 To 50, Deduct</i>	-0.87	
			<i>For &gt;50 To 100, Deduct</i>	-1.81	
			<i>For &gt;100 To 250, Deduct</i>	-3.61	
			<i>For &gt;250 To 500, Deduct</i>	-6.29	
			<i>For &gt;500, Deduct</i>	-8.97	
06 05 23 00-0149	EA		1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	23.28	
			<i>For &gt;10 To 50, Deduct</i>	-0.98	
			<i>For &gt;50 To 100, Deduct</i>	-2.05	
			<i>For &gt;100 To 250, Deduct</i>	-4.09	
			<i>For &gt;250 To 500, Deduct</i>	-7.11	
			<i>For &gt;500, Deduct</i>	-10.14	
06 05 23 00-0150	EA		1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	26.79	
			<i>For &gt;10 To 50, Deduct</i>	-1.13	
			<i>For &gt;50 To 100, Deduct</i>	-2.37	
			<i>For &gt;100 To 250, Deduct</i>	-4.73	
			<i>For &gt;250 To 500, Deduct</i>	-8.23	
			<i>For &gt;500, Deduct</i>	-11.72	
06 05 23 00-0151	EA		1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	29.91	
			<i>For &gt;10 To 50, Deduct</i>	-1.23	
			<i>For &gt;50 To 100, Deduct</i>	-2.60	
			<i>For &gt;100 To 250, Deduct</i>	-5.19	
			<i>For &gt;250 To 500, Deduct</i>	-9.02	
			<i>For &gt;500, Deduct</i>	-12.86	
06 05 23 00-0152	EA		3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	25.01	
			<i>For &gt;10 To 50, Deduct</i>	-0.98	
			<i>For &gt;50 To 100, Deduct</i>	-2.09	
			<i>For &gt;100 To 250, Deduct</i>	-4.18	
			<i>For &gt;250 To 500, Deduct</i>	-7.24	
			<i>For &gt;500, Deduct</i>	-10.31	
06 05 23 00-0153	EA		3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	29.75	
			<i>For &gt;10 To 50, Deduct</i>	-1.13	
			<i>For &gt;50 To 100, Deduct</i>	-2.44	
			<i>For &gt;100 To 250, Deduct</i>	-4.88	
			<i>For &gt;250 To 500, Deduct</i>	-8.45	
			<i>For &gt;500, Deduct</i>	-12.02	
06 05 23 00-0154	EA		3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	33.50	
			<i>For &gt;10 To 50, Deduct</i>	-1.18	
			<i>For &gt;50 To 100, Deduct</i>	-2.61	
			<i>For &gt;100 To 250, Deduct</i>	-5.22	
			<i>For &gt;250 To 500, Deduct</i>	-9.01	
			<i>For &gt;500, Deduct</i>	-12.80	
06 05 23 00-0155	EA		3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	39.19	
			<i>For &gt;10 To 50, Deduct</i>	-1.28	
			<i>For &gt;50 To 100, Deduct</i>	-2.91	
			<i>For &gt;100 To 250, Deduct</i>	-5.81	
			<i>For &gt;250 To 500, Deduct</i>	-10.00	
			<i>For &gt;500, Deduct</i>	-14.20	
06 05 23 00-0156	EA		3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	44.06	
			<i>For &gt;10 To 50, Deduct</i>	-1.34	
			<i>For &gt;50 To 100, Deduct</i>	-3.10	
			<i>For &gt;100 To 250, Deduct</i>	-6.21	
			<i>For &gt;250 To 500, Deduct</i>	-10.65	
			<i>For &gt;500, Deduct</i>	-15.09	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>06 05 23 00-0157 304/18-8 Stainless Steel, Hex Lag Bolts (06 05 23 00-0116)</b>		
06 05 23 00-0158 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	14.04	
For >10 To 50, Deduct	-0.66	
For >50 To 100, Deduct	-1.33	
For >100 To 250, Deduct	-2.67	
For >250 To 500, Deduct	-4.66	
For >500, Deduct	-6.64	
06 05 23 00-0159 EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	14.75	
For >10 To 50, Deduct	-0.66	
For >50 To 100, Deduct	-1.35	
For >100 To 250, Deduct	-2.70	
For >250 To 500, Deduct	-4.71	
For >500, Deduct	-6.72	
06 05 23 00-0160 EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	16.66	
For >10 To 50, Deduct	-0.66	
For >50 To 100, Deduct	-1.40	
For >100 To 250, Deduct	-2.80	
For >250 To 500, Deduct	-4.85	
For >500, Deduct	-6.91	
06 05 23 00-0161 EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	16.69	
For >10 To 50, Deduct	-0.71	
For >50 To 100, Deduct	-1.49	
For >100 To 250, Deduct	-2.98	
For >250 To 500, Deduct	-5.18	
For >500, Deduct	-7.38	
06 05 23 00-0162 EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	18.78	
For >10 To 50, Deduct	-0.77	
For >50 To 100, Deduct	-1.62	
For >100 To 250, Deduct	-3.23	
For >250 To 500, Deduct	-5.62	
For >500, Deduct	-8.00	
06 05 23 00-0163 EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	20.00	
For >10 To 50, Deduct	-0.77	
For >50 To 100, Deduct	-1.65	
For >100 To 250, Deduct	-3.30	
For >250 To 500, Deduct	-5.71	
For >500, Deduct	-8.12	
06 05 23 00-0164 EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	40.09	
For >10 To 50, Deduct	-0.92	
For >50 To 100, Deduct	-2.38	
For >100 To 250, Deduct	-4.76	
For >250 To 500, Deduct	-8.06	
For >500, Deduct	-11.35	
06 05 23 00-0165 EA 3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	56.00	
For >10 To 50, Deduct	-0.97	
For >50 To 100, Deduct	-2.85	
For >100 To 250, Deduct	-5.71	
For >250 To 500, Deduct	-9.53	
For >500, Deduct	-13.35	
06 05 23 00-0166 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	20.16	
For >10 To 50, Deduct	-0.77	
For >50 To 100, Deduct	-1.66	
For >100 To 250, Deduct	-3.32	
For >250 To 500, Deduct	-5.75	
For >500, Deduct	-8.18	
06 05 23 00-0167 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	23.73	
For >10 To 50, Deduct	-0.82	
For >50 To 100, Deduct	-1.83	
For >100 To 250, Deduct	-3.65	
For >250 To 500, Deduct	-6.30	
For >500, Deduct	-8.95	
06 05 23 00-0168 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	29.17	
For >10 To 50, Deduct	-0.87	
For >50 To 100, Deduct	-2.04	
For >100 To 250, Deduct	-4.08	
For >250 To 500, Deduct	-6.99	
For >500, Deduct	-9.91	
06 05 23 00-0169 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	59.61	
For >10 To 50, Deduct	-0.98	
For >50 To 100, Deduct	-2.95	
For >100 To 250, Deduct	-5.91	
For >250 To 500, Deduct	-9.84	
For >500, Deduct	-13.77	
06 05 23 00-0170 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	80.94	
For >10 To 50, Deduct	-1.13	
For >50 To 100, Deduct	-3.72	
For >100 To 250, Deduct	-7.44	
For >250 To 500, Deduct	-12.29	
For >500, Deduct	-17.14	
06 05 23 00-0171 EA 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	94.46	
For >10 To 50, Deduct	-1.23	
For >50 To 100, Deduct	-4.21	
For >100 To 250, Deduct	-8.42	
For >250 To 500, Deduct	-13.87	
For >500, Deduct	-19.31	
06 05 23 00-0172 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	87.46	
For >10 To 50, Deduct	-0.98	
For >50 To 100, Deduct	-3.65	
For >100 To 250, Deduct	-7.30	
For >250 To 500, Deduct	-11.93	
For >500, Deduct	-16.55	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0173	EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt .....	100.00	
	For >10 To 50, Deduct	-1.13	
	For >50 To 100, Deduct	-4.20	
	For >100 To 250, Deduct	-8.39	
	For >250 To 500, Deduct	-13.72	
	For >500, Deduct	-19.04	
06 05 23 00-0174	EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt .....	104.05	
	For >10 To 50, Deduct	-1.18	
	For >50 To 100, Deduct	-4.37	
	For >100 To 250, Deduct	-8.75	
	For >250 To 500, Deduct	-14.30	
	For >500, Deduct	-19.86	
06 05 23 00-0175	EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt .....	143.83	
	For >10 To 50, Deduct	-1.28	
	For >50 To 100, Deduct	-5.52	
	For >100 To 250, Deduct	-11.05	
	For >250 To 500, Deduct	-17.85	
	For >500, Deduct	-24.66	
06 05 23 00-0176	EA 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt .....	156.87	
	For >10 To 50, Deduct	-1.34	
	For >50 To 100, Deduct	-5.93	
	For >100 To 250, Deduct	-11.85	
	For >250 To 500, Deduct	-19.11	
	For >500, Deduct	-26.37	
<b>06 05 23 00-0177</b>	<b>Timber Bolts</b> (06 05 23 00-0038)		
	Note: Includes drilling of holes in any material.		
06 05 23 00-0178	EA 5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914).....	31.28	
	For >10 To 50, Deduct	-1.09	
	For >50 To 100, Deduct	-2.41	
	For >100 To 250, Deduct	-4.83	
	For >250 To 500, Deduct	-8.32	
	For >500, Deduct	-11.82	
06 05 23 00-0179	EA 5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915).....	35.31	
	For >10 To 50, Deduct	-1.22	
	For >50 To 100, Deduct	-2.71	
	For >100 To 250, Deduct	-5.42	
	For >250 To 500, Deduct	-9.34	
	For >500, Deduct	-13.26	
06 05 23 00-0180	EA 5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916).....	38.08	
	For >10 To 50, Deduct	-1.30	
	For >50 To 100, Deduct	-2.90	
	For >100 To 250, Deduct	-5.79	
	For >250 To 500, Deduct	-9.98	
	For >500, Deduct	-14.18	
06 05 23 00-0181	EA 5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917).....	42.20	
	For >10 To 50, Deduct	-1.37	
	For >50 To 100, Deduct	-3.11	
	For >100 To 250, Deduct	-6.22	
	For >250 To 500, Deduct	-10.70	
	For >500, Deduct	-15.18	
06 05 23 00-0182	EA 5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918).....	44.87	
	For >10 To 50, Deduct	-1.44	
	For >50 To 100, Deduct	-3.29	
	For >100 To 250, Deduct	-6.58	
	For >250 To 500, Deduct	-11.31	
	For >500, Deduct	-16.04	
06 05 23 00-0183	EA 5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919).....	46.61	
	For >10 To 50, Deduct	-1.51	
	For >50 To 100, Deduct	-3.43	
	For >100 To 250, Deduct	-6.85	
	For >250 To 500, Deduct	-11.79	
	For >500, Deduct	-16.72	
06 05 23 00-0184	EA 3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920).....	41.63	
	For >10 To 50, Deduct	-1.30	
	For >50 To 100, Deduct	-2.98	
	For >100 To 250, Deduct	-5.97	
	For >250 To 500, Deduct	-10.25	
	For >500, Deduct	-14.53	
06 05 23 00-0185	EA 3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921).....	43.53	
	For >10 To 50, Deduct	-1.35	
	For >50 To 100, Deduct	-3.11	
	For >100 To 250, Deduct	-6.22	
	For >250 To 500, Deduct	-10.68	
	For >500, Deduct	-15.15	
06 05 23 00-0186	EA 3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922).....	48.00	
	For >10 To 50, Deduct	-1.43	
	For >50 To 100, Deduct	-3.34	
	For >100 To 250, Deduct	-6.69	
	For >250 To 500, Deduct	-11.46	
	For >500, Deduct	-16.23	
06 05 23 00-0187	EA 3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923).....	51.43	
	For >10 To 50, Deduct	-1.50	
	For >50 To 100, Deduct	-3.54	
	For >100 To 250, Deduct	-7.08	
	For >250 To 500, Deduct	-12.12	
	For >500, Deduct	-17.16	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0188 EA 3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924).....	55.14	
For >10 To 50, Deduct	-1.58	
For >50 To 100, Deduct	-3.74	
For >100 To 250, Deduct	-7.49	
For >250 To 500, Deduct	-12.80	
For >500, Deduct	-18.12	
<b>06 05 23 00-0189 Supports (06 05 23)</b>		
<b>06 05 23 00-0190 Shear Plates (06 05 23 00-0189)</b>		
06 05 23 00-0191 EA 2-5/8" Diameter, Shear Plate .....	11.39	3.88
For >10 To 50, Deduct	-0.44	
For >50 To 100, Deduct	-0.94	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-3.26	
For >500, Deduct	-4.64	
06 05 23 00-0192 EA 4" Diameter, Shear Plate .....	15.24	4.09
For >10 To 50, Deduct	-0.46	
For >50 To 100, Deduct	-1.06	
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-3.65	
For >500, Deduct	-5.17	
<b>06 05 23 00-0193 Sill Anchors (06 05 23 00-0189)</b>		
06 05 23 00-0194 EA Sill Anchor Embedded In Concrete .....	9.83	4.09
For >10 To 50, Deduct	-0.46	
For >50 To 100, Deduct	-0.93	
For >100 To 250, Deduct	-1.86	
For >250 To 500, Deduct	-3.24	
For >500, Deduct	-4.63	
<b>06 05 23 00-0195 Spike Grids (06 05 23 00-0189)</b>		
06 05 23 00-0196 EA 4" x 4" Flat Or Curved Spike Grid .....	9.69	3.88
For >10 To 50, Deduct	-0.44	
For >50 To 100, Deduct	-0.90	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-3.13	
For >500, Deduct	-4.47	
<b>06 05 23 00-0197 Split Rings (06 05 23 00-0189)</b>		
06 05 23 00-0198 EA 2-1/2" Diameter Split Ring.....	10.27	3.88
For >10 To 50, Deduct	-0.44	
For >50 To 100, Deduct	-0.91	
For >100 To 250, Deduct	-1.82	
For >250 To 500, Deduct	-3.17	
For >500, Deduct	-4.52	
06 05 23 00-0199 EA 4" Diameter Split Ring.....	12.09	4.30
For >10 To 50, Deduct	-0.48	
For >50 To 100, Deduct	-1.02	
For >100 To 250, Deduct	-2.03	
For >250 To 500, Deduct	-3.53	
For >500, Deduct	-5.02	
<b>06 05 23 00-0200 Toothed Rings (06 05 23 00-0189)</b>		
06 05 23 00-0201 EA 2-5/8" Or 4" Toothed Ring.....	12.50	3.88
For >10 To 50, Deduct	-0.44	
For >50 To 100, Deduct	-0.97	
For >100 To 250, Deduct	-1.94	
For >250 To 500, Deduct	-3.34	
For >500, Deduct	-4.75	
<b>06 05 23 00-0202 Straps And Shields (06 05 23)</b>		
<b>06 05 23 00-0203 Shield Plate (06 05 23 00-0202)</b>		
06 05 23 00-0204 EA 5" Wide x 8" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN58Z) .....	6.89	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.84	
For >500, Deduct	-1.29	
06 05 23 00-0205 EA 5" Wide x 16" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN516Z) .....	10.36	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.34	
For >100 To 250, Deduct	-0.68	
For >250 To 500, Deduct	-1.17	
For >500, Deduct	-1.76	
<b>06 05 23 00-0206 Strap Ties (06 05 23 00-0202)</b>		

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0207	EA		1-1/4" Wide x 9" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA9).....	2.80	
			<i>For &gt;10 To 50, Deduct</i>	-0.05	
			<i>For &gt;50 To 100, Deduct</i>	-0.12	
			<i>For &gt;100 To 250, Deduct</i>	-0.24	
			<i>For &gt;250 To 500, Deduct</i>	-0.47	
			<i>For &gt;500, Deduct</i>	-0.76	
06 05 23 00-0208	EA		1-1/4" Wide x 12" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA12).....	2.87	
			<i>For &gt;10 To 50, Deduct</i>	-0.05	
			<i>For &gt;50 To 100, Deduct</i>	-0.12	
			<i>For &gt;100 To 250, Deduct</i>	-0.25	
			<i>For &gt;250 To 500, Deduct</i>	-0.48	
			<i>For &gt;500, Deduct</i>	-0.77	
06 05 23 00-0209	EA		1-1/4" Wide x 15" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA15).....	3.79	
			<i>For &gt;10 To 50, Deduct</i>	-0.07	
			<i>For &gt;50 To 100, Deduct</i>	-0.16	
			<i>For &gt;100 To 250, Deduct</i>	-0.32	
			<i>For &gt;250 To 500, Deduct</i>	-0.61	
			<i>For &gt;500, Deduct</i>	-0.98	
06 05 23 00-0210	EA		1-1/4" Wide x 18" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA18).....	3.99	
			<i>For &gt;10 To 50, Deduct</i>	-0.07	
			<i>For &gt;50 To 100, Deduct</i>	-0.17	
			<i>For &gt;100 To 250, Deduct</i>	-0.33	
			<i>For &gt;250 To 500, Deduct</i>	-0.63	
			<i>For &gt;500, Deduct</i>	-1.00	
06 05 23 00-0211	EA		1-1/4" Wide x 21" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA21).....	4.16	
			<i>For &gt;10 To 50, Deduct</i>	-0.07	
			<i>For &gt;50 To 100, Deduct</i>	-0.17	
			<i>For &gt;100 To 250, Deduct</i>	-0.34	
			<i>For &gt;250 To 500, Deduct</i>	-0.64	
			<i>For &gt;500, Deduct</i>	-1.02	
06 05 23 00-0212	EA		1-1/4" Wide x 24" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA24).....	4.86	
			<i>For &gt;10 To 50, Deduct</i>	-0.08	
			<i>For &gt;50 To 100, Deduct</i>	-0.20	
			<i>For &gt;100 To 250, Deduct</i>	-0.40	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-1.21	
06 05 23 00-0213	EA		1-1/4" Wide x 30" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA30).....	5.34	
			<i>For &gt;10 To 50, Deduct</i>	-0.08	
			<i>For &gt;50 To 100, Deduct</i>	-0.21	
			<i>For &gt;100 To 250, Deduct</i>	-0.42	
			<i>For &gt;250 To 500, Deduct</i>	-0.79	
			<i>For &gt;500, Deduct</i>	-1.26	
06 05 23 00-0214	EA		1-1/4" Wide x 36" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA36).....	6.36	
			<i>For &gt;10 To 50, Deduct</i>	-0.09	
			<i>For &gt;50 To 100, Deduct</i>	-0.25	
			<i>For &gt;100 To 250, Deduct</i>	-0.50	
			<i>For &gt;250 To 500, Deduct</i>	-0.94	
			<i>For &gt;500, Deduct</i>	-1.48	
06 05 23 00-0215	EA		1-1/4" Wide x 9" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA9).....	2.87	
			<i>For &gt;10 To 50, Deduct</i>	-0.05	
			<i>For &gt;50 To 100, Deduct</i>	-0.12	
			<i>For &gt;100 To 250, Deduct</i>	-0.25	
			<i>For &gt;250 To 500, Deduct</i>	-0.48	
			<i>For &gt;500, Deduct</i>	-0.77	
06 05 23 00-0216	EA		1-1/4" Wide x 12" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA12).....	3.10	
			<i>For &gt;10 To 50, Deduct</i>	-0.05	
			<i>For &gt;50 To 100, Deduct</i>	-0.13	
			<i>For &gt;100 To 250, Deduct</i>	-0.26	
			<i>For &gt;250 To 500, Deduct</i>	-0.49	
			<i>For &gt;500, Deduct</i>	-0.79	
06 05 23 00-0217	EA		1-1/4" Wide x 15" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA15).....	3.94	
			<i>For &gt;10 To 50, Deduct</i>	-0.07	
			<i>For &gt;50 To 100, Deduct</i>	-0.16	
			<i>For &gt;100 To 250, Deduct</i>	-0.33	
			<i>For &gt;250 To 500, Deduct</i>	-0.62	
			<i>For &gt;500, Deduct</i>	-1.00	
06 05 23 00-0218	EA		1-1/4" Wide x 18" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA18).....	4.21	
			<i>For &gt;10 To 50, Deduct</i>	-0.07	
			<i>For &gt;50 To 100, Deduct</i>	-0.17	
			<i>For &gt;100 To 250, Deduct</i>	-0.34	
			<i>For &gt;250 To 500, Deduct</i>	-0.64	
			<i>For &gt;500, Deduct</i>	-1.02	
06 05 23 00-0219	EA		1-1/4" Wide x 21" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA21).....	4.46	
			<i>For &gt;10 To 50, Deduct</i>	-0.07	
			<i>For &gt;50 To 100, Deduct</i>	-0.18	
			<i>For &gt;100 To 250, Deduct</i>	-0.35	
			<i>For &gt;250 To 500, Deduct</i>	-0.66	
			<i>For &gt;500, Deduct</i>	-1.05	
06 05 23 00-0220	EA		1-1/4" Wide x 24" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA24).....	5.24	
			<i>For &gt;10 To 50, Deduct</i>	-0.08	
			<i>For &gt;50 To 100, Deduct</i>	-0.21	
			<i>For &gt;100 To 250, Deduct</i>	-0.42	
			<i>For &gt;250 To 500, Deduct</i>	-0.79	
			<i>For &gt;500, Deduct</i>	-1.25	
06 05 23 00-0221	EA		1-1/4" Wide x 30" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA30).....	5.63	
			<i>For &gt;10 To 50, Deduct</i>	-0.08	
			<i>For &gt;50 To 100, Deduct</i>	-0.22	
			<i>For &gt;100 To 250, Deduct</i>	-0.44	
			<i>For &gt;250 To 500, Deduct</i>	-0.81	
			<i>For &gt;500, Deduct</i>	-1.29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0222 EA 1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MST36).....	6.82	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.97	
For >500, Deduct	-1.53	
06 05 23 00-0223 EA 1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MST49).....	8.79	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.32	
For >100 To 250, Deduct	-0.65	
For >250 To 500, Deduct	-1.18	
For >500, Deduct	-1.84	
06 05 23 00-0224 EA 1-1/4" Wide x 9" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST9).....	3.18	
For >10 To 50, Deduct	-0.05	
For >50 To 100, Deduct	-0.13	
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.50	
For >500, Deduct	-0.80	
06 05 23 00-0225 EA 1-1/4" Wide x 12" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST12).....	3.46	
For >10 To 50, Deduct	-0.05	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.52	
For >500, Deduct	-0.83	
06 05 23 00-0226 EA 1-1/4" Wide x 18" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST18).....	4.66	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-1.07	
06 05 23 00-0227 EA 1-1/4" Wide x 22" Long, 16 Gauge, Strap Tie® (Simpson Strong Tie ST22).....	6.02	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.46	
For >250 To 500, Deduct	-0.84	
For >500, Deduct	-1.32	
06 05 23 00-0228 EA 1-3/8" Wide x 6" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS6).....	3.99	
For >10 To 50, Deduct	-0.05	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.56	
For >500, Deduct	-0.88	
06 05 23 00-0229 EA 1-3/8" Wide x 8" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS8).....	4.21	
For >10 To 50, Deduct	-0.05	
For >50 To 100, Deduct	-0.16	
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.58	
For >500, Deduct	-0.90	
06 05 23 00-0230 EA 1-3/8" Wide x 12" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS12).....	5.71	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.21	
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.76	
For >500, Deduct	-1.17	
06 05 23 00-0231 EA 2-1/16" Wide x 27" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST27).....	10.07	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.33	
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-1.15	
For >500, Deduct	-1.73	
06 05 23 00-0232 EA 2-1/16" Wide x 37" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST37).....	13.57	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.43	
For >100 To 250, Deduct	-0.86	
For >250 To 500, Deduct	-1.48	
For >500, Deduct	-2.20	
06 05 23 00-0233 EA 2-1/16" Wide x 48" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST48).....	17.89	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.55	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.75	
06 05 23 00-0234 EA 2-1/16" Wide x 60" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST60).....	25.81	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.76	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-2.52	
For >500, Deduct	-3.66	
06 05 23 00-0235 EA 2-1/16" Wide x 72" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST72).....	33.20	
For >10 To 50, Deduct	-0.13	
For >50 To 100, Deduct	-0.96	
For >100 To 250, Deduct	-1.92	
For >250 To 500, Deduct	-3.15	
For >500, Deduct	-4.53	
06 05 23 00-0236 EA 3" Wide x 28" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC28).....	10.77	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.35	
For >100 To 250, Deduct	-0.70	
For >250 To 500, Deduct	-1.20	
For >500, Deduct	-1.80	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0237	EA		3" Wide x 40" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC40) .....	14.60	
			<i>For &gt;10 To 50, Deduct</i>	-0.09	
			<i>For &gt;50 To 100, Deduct</i>	-0.46	
			<i>For &gt;100 To 250, Deduct</i>	-0.91	
			<i>For &gt;250 To 500, Deduct</i>	-1.55	
			<i>For &gt;500, Deduct</i>	-2.30	
06 05 23 00-0238	EA		3" Wide x 52" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC52) .....	18.18	
			<i>For &gt;10 To 50, Deduct</i>	-0.10	
			<i>For &gt;50 To 100, Deduct</i>	-0.56	
			<i>For &gt;100 To 250, Deduct</i>	-1.12	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500, Deduct</i>	-2.78	
06 05 23 00-0239	EA		3" Wide x 66" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC66) .....	26.36	
			<i>For &gt;10 To 50, Deduct</i>	-0.12	
			<i>For &gt;50 To 100, Deduct</i>	-0.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-2.57	
			<i>For &gt;500, Deduct</i>	-3.72	
<b>06 05 23 00-0240</b>			<b>Twist Strap Ties</b> <small>(06 05 23 00-0202)</small>		
06 05 23 00-0241	EA		1-1/4" Wide x 9" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS9) .....	3.56	
			<i>For &gt;10 To 50, Deduct</i>	-0.05	
			<i>For &gt;50 To 100, Deduct</i>	-0.14	
			<i>For &gt;100 To 250, Deduct</i>	-0.28	
			<i>For &gt;250 To 500, Deduct</i>	-0.53	
			<i>For &gt;500, Deduct</i>	-0.84	
06 05 23 00-0242	EA		1-1/4" Wide x 12" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS12) .....	4.08	
			<i>For &gt;10 To 50, Deduct</i>	-0.05	
			<i>For &gt;50 To 100, Deduct</i>	-0.15	
			<i>For &gt;100 To 250, Deduct</i>	-0.31	
			<i>For &gt;250 To 500, Deduct</i>	-0.57	
			<i>For &gt;500, Deduct</i>	-0.89	
06 05 23 00-0243	EA		1-1/4" Wide x 18" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS18) .....	5.50	
			<i>For &gt;10 To 50, Deduct</i>	-0.07	
			<i>For &gt;50 To 100, Deduct</i>	-0.20	
			<i>For &gt;100 To 250, Deduct</i>	-0.41	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-1.15	
06 05 23 00-0244	EA		1-1/4" Wide x 22" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS22) .....	6.52	
			<i>For &gt;10 To 50, Deduct</i>	-0.08	
			<i>For &gt;50 To 100, Deduct</i>	-0.24	
			<i>For &gt;100 To 250, Deduct</i>	-0.48	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.37	
<b>06 05 23 00-0245</b>			<b>Retrofit Plate Strap</b> <small>(06 05 23 00-0202)</small>		
06 05 23 00-0246	EA		1-3/8" Wide x 18" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS18) .....	4.92	
			<i>For &gt;10 To 50, Deduct</i>	-0.07	
			<i>For &gt;50 To 100, Deduct</i>	-0.19	
			<i>For &gt;100 To 250, Deduct</i>	-0.38	
			<i>For &gt;250 To 500, Deduct</i>	-0.70	
			<i>For &gt;500, Deduct</i>	-1.09	
06 05 23 00-0247	EA		1-3/8" Wide x 22" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS22) .....	5.41	
			<i>For &gt;10 To 50, Deduct</i>	-0.07	
			<i>For &gt;50 To 100, Deduct</i>	-0.20	
			<i>For &gt;100 To 250, Deduct</i>	-0.40	
			<i>For &gt;250 To 500, Deduct</i>	-0.73	
			<i>For &gt;500, Deduct</i>	-1.14	
06 05 23 00-0248	EA		1-3/8" Wide x 28" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS28) .....	6.17	
			<i>For &gt;10 To 50, Deduct</i>	-0.07	
			<i>For &gt;50 To 100, Deduct</i>	-0.22	
			<i>For &gt;100 To 250, Deduct</i>	-0.44	
			<i>For &gt;250 To 500, Deduct</i>	-0.79	
			<i>For &gt;500, Deduct</i>	-1.22	
<b>06 05 23 00-0249</b>			<b>Stud Shoe</b> <small>(06 05 23 00-0202)</small>		
06 05 23 00-0250	EA		6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS1.5) .....	8.90	
			<i>For &gt;10 To 50, Deduct</i>	-0.08	
			<i>For &gt;50 To 100, Deduct</i>	-0.30	
			<i>For &gt;100 To 250, Deduct</i>	-0.60	
			<i>For &gt;250 To 500, Deduct</i>	-1.06	
			<i>For &gt;500, Deduct</i>	-1.61	
06 05 23 00-0251	EA		6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS2.5) .....	13.27	
			<i>For &gt;10 To 50, Deduct</i>	-0.08	
			<i>For &gt;50 To 100, Deduct</i>	-0.41	
			<i>For &gt;100 To 250, Deduct</i>	-0.82	
			<i>For &gt;250 To 500, Deduct</i>	-1.39	
			<i>For &gt;500, Deduct</i>	-2.05	
06 05 23 00-0252	EA		6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS3) .....	14.52	
			<i>For &gt;10 To 50, Deduct</i>	-0.08	
			<i>For &gt;50 To 100, Deduct</i>	-0.44	
			<i>For &gt;100 To 250, Deduct</i>	-0.88	
			<i>For &gt;250 To 500, Deduct</i>	-1.48	
			<i>For &gt;500, Deduct</i>	-2.17	



MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI UOM		UNIT COST	UNIT COST

06 05 23 00-0253	EA 6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie SS4.5).....	18.71	
	<i>For &gt;10 To 50, Deduct</i>	-0.08	
	<i>For &gt;50 To 100, Deduct</i>	-0.55	
	<i>For &gt;100 To 250, Deduct</i>	-1.09	
	<i>For &gt;250 To 500, Deduct</i>	-1.80	
	<i>For &gt;500, Deduct</i>	-2.59	
06 05 23 00-0254	EA 7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS2-SDS1.5).....	20.97	
	<i>For &gt;10 To 50, Deduct</i>	-0.08	
	<i>For &gt;50 To 100, Deduct</i>	-0.60	
	<i>For &gt;100 To 250, Deduct</i>	-1.21	
	<i>For &gt;250 To 500, Deduct</i>	-1.97	
	<i>For &gt;500, Deduct</i>	-2.82	
06 05 23 00-0255	EA 7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS2-2-SDS3) .....	25.83	
	<i>For &gt;10 To 50, Deduct</i>	-0.08	
	<i>For &gt;50 To 100, Deduct</i>	-0.72	
	<i>For &gt;100 To 250, Deduct</i>	-1.45	
	<i>For &gt;250 To 500, Deduct</i>	-2.33	
	<i>For &gt;500, Deduct</i>	-3.31	
06 05 23 00-0256	EA 7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS2-3-SDS3) .....	25.83	
	<i>For &gt;10 To 50, Deduct</i>	-0.08	
	<i>For &gt;50 To 100, Deduct</i>	-0.72	
	<i>For &gt;100 To 250, Deduct</i>	-1.45	
	<i>For &gt;250 To 500, Deduct</i>	-2.33	
	<i>For &gt;500, Deduct</i>	-3.31	
06 05 23 00-0257	EA 7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS4-SDS3).....	25.83	
	<i>For &gt;10 To 50, Deduct</i>	-0.08	
	<i>For &gt;50 To 100, Deduct</i>	-0.72	
	<i>For &gt;100 To 250, Deduct</i>	-1.45	
	<i>For &gt;250 To 500, Deduct</i>	-2.33	
	<i>For &gt;500, Deduct</i>	-3.31	

**06 05 23 00-0258 Nail Stops** (06 05 23 00-0202)

06 05 23 00-0259	EA 1-1/2" Wide x 3" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS1).....	2.63	
	<i>For &gt;10 To 50, Deduct</i>	-0.05	
	<i>For &gt;50 To 100, Deduct</i>	-0.12	
	<i>For &gt;100 To 250, Deduct</i>	-0.24	
	<i>For &gt;250 To 500, Deduct</i>	-0.46	
	<i>For &gt;500, Deduct</i>	-0.74	
06 05 23 00-0260	EA 1-1/2" Wide x 6" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS2).....	3.01	
	<i>For &gt;10 To 50, Deduct</i>	-0.05	
	<i>For &gt;50 To 100, Deduct</i>	-0.13	
	<i>For &gt;100 To 250, Deduct</i>	-0.26	
	<i>For &gt;250 To 500, Deduct</i>	-0.49	
	<i>For &gt;500, Deduct</i>	-0.78	

**06 05 73 Wood Treatment** (06 05)

**06 05 73 13 Fire-Retardant Wood Treatment** (06 05 73)

06 05 73 13-0001	Preservative Treated Lumber <small>(06 05 73 13)</small>		
06 05 73 13-0002	Fire Retardant Treatment (FRT) For Lumber <small>(06 05 73 13-0001)</small>		
06 05 73 13-0003	MBF Fire Retardant Treatment (FRT) For Lumber.....	531.85	

**06 05 73 33 Preservative Wood Treatment** (06 05 73)

06 05 73 33-0001	Preservative Treatment For Marine And Fresh Water Uses <small>(06 05 73 33)</small>		
06 05 73 33-0002	MBF Preservative Treatment For Marine And Fresh Water Lumber .....	295.58	

**06 10 Rough Carpentry** (06)

**06 11 Wood Framing** (06 10)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

**06 11 13 Engineered Wood Products** (06 11)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001	Built-Up Members <small>(06 11 13)</small>		
	Note: A structural framing member made from fastening separate pieces of lumber together.		
06 11 13 00-0002	Built-Up Beams Or Joists <small>(06 11 13 00-0001)</small>		
06 11 13 00-0003	LF Two 2" x 6" Built-up Wood Beam Or Joist.....	6.38	1.80
	<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>	1.82	
06 11 13 00-0004	LF Two 2" x 8" Built-up Wood Beam Or Joist.....	8.32	2.12
	<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>	2.58	
06 11 13 00-0005	LF Two 2" x 10" Built-up Wood Beam Or Joist.....	10.97	2.53
	<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>	3.59	
06 11 13 00-0006	Built-Up Posts <small>(06 11 13 00-0001)</small>		
06 11 13 00-0007	LF Two 2" x 6" Built-up Wood Post.....	6.38	1.80
	<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>	1.82	
06 11 13 00-0008	LF Two 2" x 8" Built-up Wood Post.....	8.32	2.12
	<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>	2.58	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 11 Wood Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 13 00-0009	LF		Two 2" x 10" Built-up Wood Post ..... For Each Additional 2" x_ " In The Built Up Member, Add	10.97 3.59	2.53
<b>06 11 16</b>			<b>Mechanically Graded Lumber (06 11)</b>		
06 11 16 00-0001			<b>Rafters And Joists (06 11 16)</b>		
06 11 16 00-0002			<b>Rafters (06 11 16 00-0001)</b>		
			Note: An inclined roof framing member to which a roof covering is attached.		
06 11 16 00-0003	LF		2" x 6" Wood Rafter.....	3.51	1.27
06 11 16 00-0004	LF		2" x 8" Wood Rafter.....	4.38	1.37
06 11 16 00-0005	LF		2" x 10" Wood Rafter.....	6.22	2.00
06 11 16 00-0006	LF		2" x 12" Wood Rafter.....	7.30	2.22
06 11 16 00-0007	LF		2" x 14" Wood Rafter.....	7.99	2.43
06 11 16 00-0008	LF		2" x 6" Pressure Treated Wood Rafter.....	3.26	1.27
06 11 16 00-0009	LF		2" x 8" Pressure Treated Wood Rafter.....	4.00	1.37
06 11 16 00-0010	LF		2" x 10" Pressure Treated Wood Rafter.....	5.36	2.00
06 11 16 00-0011	LF		2" x 12" Pressure Treated Wood Rafter.....	6.51	2.22
06 11 16 00-0012			<b>Joists (06 11 16 00-0001)</b>		
			Note: A series of parallel beams to support floors or ceilings.		
06 11 16 00-0013	LF		2" x 6" Wood Floor Joist.....	3.19	1.06
06 11 16 00-0014	LF		2" x 8" Wood Floor Joist.....	4.17	1.16
06 11 16 00-0015	LF		2" x 10" Wood Floor Joist.....	5.48	1.47
06 11 16 00-0016	LF		2" x 12" Wood Floor Joist.....	6.56	1.69
06 11 16 00-0017	LF		2" x 14" Wood Floor Joist.....	7.25	1.80
06 11 16 00-0018	LF		2" x 6" Pressure Treated Wood Floor Joist.....	2.94	1.06
06 11 16 00-0019	LF		2" x 8" Pressure Treated Wood Floor Joist.....	3.79	1.16
06 11 16 00-0020	LF		2" x 10" Pressure Treated Wood Floor Joist.....	4.62	1.47
06 11 16 00-0021	LF		2" x 12" Pressure Treated Wood Floor Joist.....	5.77	1.69
06 11 16 00-0022			<b>Purlins (06 11 16 00-0001)</b>		
			Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.		
06 11 16 00-0023	LF		2" x 4" Wood Purlin.....	2.35	0.63
06 11 16 00-0024	LF		2" x 6" Wood Purlin.....	3.21	0.70
06 11 16 00-0025	LF		2" x 8" Wood Purlin.....	4.12	0.77
06 11 16 00-0026	LF		2" x 10" Wood Purlin.....	5.27	0.84
06 11 16 00-0027	LF		2" x 4" Pressure Treated Wood Purlin.....	2.21	0.63
06 11 16 00-0028	LF		2" x 6" Pressure Treated Wood Purlin.....	2.96	0.70
06 11 16 00-0029	LF		2" x 8" Pressure Treated Wood Purlin.....	3.74	0.77
06 11 16 00-0030	LF		2" x 10" Pressure Treated Wood Purlin.....	4.41	0.84
06 11 16 00-0031			<b>Exposed Rafters Or Joists (06 11 16 00-0001)</b>		
06 11 16 00-0032			<b>Redwood Rafters Or Joists (06 11 16 00-0031)</b>		
06 11 16 00-0033	LF		2" x 6" Redwood Rafter Or Joist.....	5.85	1.06
06 11 16 00-0034	LF		2" x 8" Redwood Rafter Or Joist.....	7.27	1.16
06 11 16 00-0035	LF		2" x 10" Redwood Rafter Or Joist.....	9.16	1.47
06 11 16 00-0036	LF		2" x 12" Redwood Rafter Or Joist.....	11.21	1.69
06 11 16 00-0037			<b>Cedar Rafters Or Joists (06 11 16 00-0031)</b>		
06 11 16 00-0038	LF		2" x 6" Cedar Rafter Or Joist.....	3.21	1.06
06 11 16 00-0039	LF		2" x 8" Cedar Rafter Or Joist.....	3.55	1.16
06 11 16 00-0040	LF		2" x 10" Cedar Rafter Or Joist.....	3.97	1.47
06 11 16 00-0041	LF		2" x 12" Cedar Rafter Or Joist.....	4.41	1.69
06 11 16 00-0042			<b>Oak Rafters Or Joists (06 11 16 00-0031)</b>		
06 11 16 00-0043	LF		2" x 6" Oak Rafter Or Joist.....	4.29	1.06
06 11 16 00-0044	LF		2" x 8" Oak Rafter Or Joist.....	6.29	1.16
06 11 16 00-0045	LF		2" x 10" Oak Rafter Or Joist.....	8.38	1.47
06 11 16 00-0046	LF		2" x 12" Oak Rafter Or Joist.....	10.48	1.69
06 11 16 00-0047			<b>Framing (06 11 16)</b>		
06 11 16 00-0048			<b>Partition Framing (06 11 16 00-0047)</b>		
06 11 16 00-0049	LF		2" x 4" Wood Stud Framing, For Partition Walls.....	2.29	0.84
06 11 16 00-0050	LF		2" x 6" Wood Stud Framing, For Partition Walls.....	3.09	0.90
06 11 16 00-0051	LF		2" x 8" Wood Stud Framing, For Partition Walls.....	3.90	0.95
06 11 16 00-0052	LF		2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.15	0.84
06 11 16 00-0053	LF		2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.84	0.90
06 11 16 00-0054	LF		2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls.....	3.52	0.95
06 11 16 00-0055			<b>Wall Framing Assemblies By The SF (06 11 16 00-0047)</b>		
			Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
06 11 16 00-0056			<b>Wall Framing By The SF, 12" On Center (06 11 16 00-0055)</b>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0057	SF		2" x 4" Wood Wall Framing At 12" On Center ..... <i>For Up To 200, Add</i> <i>For &gt;200 To 500, Add</i>	3.08 0.92 0.46	1.02
06 11 16 00-0058	SF		2" x 6" Wood Wall Framing At 12" On Center ..... <i>For Up To 200, Add</i> <i>For &gt;200 To 500, Add</i>	4.27 1.24 0.62	1.31
06 11 16 00-0059	SF		2" x 8" Wood Wall Framing At 12" On Center ..... <i>For Up To 200, Add</i> <i>For &gt;200 To 500, Add</i>	5.70 1.66 0.83	1.75
<b>06 11 16 00-0060</b>			<b>Wall Framing By The SF, 16" On Center</b> (06 11 16 00-0055)		
06 11 16 00-0061	SF		2" x 4" Wood Wall Framing At 16" On Center ..... <i>For Up To 200, Add</i> <i>For &gt;200 To 500, Add</i>	2.52 0.75 0.37	0.82
06 11 16 00-0062	SF		2" x 6" Wood Wall Framing At 16" On Center ..... <i>For Up To 200, Add</i> <i>For &gt;200 To 500, Add</i>	3.55 1.03 0.52	1.09
06 11 16 00-0063	SF		2" x 8" Wood Wall Framing At 16" On Center ..... <i>For Up To 200, Add</i> <i>For &gt;200 To 500, Add</i>	4.73 1.38 0.69	1.45
<b>06 11 16 00-0064</b>			<b>Wall Framing By The SF, 24" On Center</b> (06 11 16 00-0055)		
06 11 16 00-0065	SF		2" x 4" Wood Wall Framing At 24" On Center ..... <i>For Up To 200, Add</i> <i>For &gt;200 To 500, Add</i>	1.99 0.59 0.30	0.64
06 11 16 00-0066	SF		2" x 6" Wood Wall Framing At 24" On Center ..... <i>For Up To 200, Add</i> <i>For &gt;200 To 500, Add</i>	2.79 0.81 0.40	0.84
06 11 16 00-0067	SF		2" x 8" Wood Wall Framing At 24" On Center ..... <i>For Up To 200, Add</i> <i>For &gt;200 To 500, Add</i>	3.73 1.08 0.54	1.13
<b>06 11 16 00-0068</b>			<b>Sills And Plates</b> (06 11 16)		
<b>06 11 16 00-0069</b>			<b>Sills</b> (06 11 16 00-0068) Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070	LF		2" x 4" Wood Sill .....	3.45	1.59
06 11 16 00-0071	LF		2" x 6" Wood Sill .....	4.46	1.80
06 11 16 00-0072	LF		2" x 8" Wood Sill .....	5.56	2.00
06 11 16 00-0073	LF		2" x 4" Pressure Treated Wood Sill.....	3.31	1.59
06 11 16 00-0074	LF		2" x 6" Pressure Treated Wood Sill.....	4.21	1.80
06 11 16 00-0075	LF		2" x 8" Pressure Treated Wood Sill.....	5.18	2.00
<b>06 11 16 00-0076</b>			<b>Plates</b> (06 11 16 00-0068) Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077	LF		2" x 4" Wood Plate .....	3.45	1.59
06 11 16 00-0078	LF		2" x 6" Wood Plate .....	4.46	1.80
06 11 16 00-0079	LF		2" x 8" Wood Plate .....	5.54	2.00
06 11 16 00-0080	LF		2" x 4" Pressure Treated Wood Plate.....	3.31	1.59
06 11 16 00-0081	LF		2" x 6" Pressure Treated Wood Plate.....	4.21	1.80
06 11 16 00-0082	LF		2" x 8" Pressure Treated Wood Plate.....	5.16	2.00
<b>06 11 16 00-0083</b>			<b>Sills And Plates From Redwood</b> (06 11 16 00-0068)		
<b>06 11 16 00-0084</b>			<b>Construction Grade/Rough</b> (06 11 16 00-0083)		
06 11 16 00-0085	LF		2" x 6" Redwood, Construction Grade/Rough .....	4.88	1.80
06 11 16 00-0086	LF		2" x 8" Redwood, Construction Grade/Rough .....	6.40	2.00
06 11 16 00-0087	LF		2" x 10" Redwood, Construction Grade/Rough .....	7.77	2.22
06 11 16 00-0088	LF		2" x 12" Redwood, Construction Grade/Rough .....	9.37	2.43
<b>06 11 16 00-0089</b>			<b>Con Heart/Smooth</b> (06 11 16 00-0083)		
06 11 16 00-0090	LF		2" x 6" Redwood, Con Heart/Smooth.....	5.83	1.80
06 11 16 00-0091	LF		2" x 8" Redwood, Con Heart/Smooth.....	7.83	2.00
06 11 16 00-0092	LF		2" x 10" Redwood, Con Heart/Smooth .....	10.20	2.22
06 11 16 00-0093	LF		2" x 12" Redwood, Con Heart/Smooth .....	12.26	2.43
<b>06 11 16 00-0094</b>			<b>Suspended Ceiling Framing</b> (06 11 16)		
06 11 16 00-0095	LF		1" x 2" Wood Suspended Ceiling Framing .....	2.61	1.37
06 11 16 00-0096	LF		1" x 3" Wood Suspended Ceiling Framing .....	2.97	1.47
06 11 16 00-0097	LF		2" x 2" Wood Suspended Ceiling Framing .....	3.32	1.59
06 11 16 00-0098	LF		2" x 4" Wood Suspended Ceiling Framing .....	3.95	1.80
06 11 16 00-0099	LF		1" x 2" Pressure Treated Wood Suspended Ceiling Framing.....	2.68	1.37
06 11 16 00-0100	LF		1" x 3" Pressure Treated Wood Suspended Ceiling Framing.....	2.93	1.47
06 11 16 00-0101	LF		2" x 2" Pressure Treated Wood Suspended Ceiling Framing.....	3.17	1.59
06 11 16 00-0102	LF		2" x 4" Pressure Treated Wood Suspended Ceiling Framing.....	3.69	1.80
<b>06 11 16 00-0103</b>			<b>Posts And Girts</b> (06 11 16)		

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 11 Wood Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0104			<b>Posts</b> <small>(06 11 16 00-0103)</small>		
			Note: A vertical, upright framing member.		
06 11 16 00-0105	LF		4" x 4" Wood Post.....	5.22	2.00
06 11 16 00-0106	LF		4" x 5" Wood Post.....	6.01	2.33
06 11 16 00-0107	LF		4" x 6" Wood Post.....	6.58	2.53
06 11 16 00-0108	LF		6" x 6" Wood Post.....	7.37	2.75
06 11 16 00-0109	LF		8" x 8" Wood Post.....	8.15	2.85
06 11 16 00-0110	LF		10" x 10" Wood Post.....	8.93	3.27
06 11 16 00-0111	LF		4" x 4" Pressure Treated Wood Post.....	5.44	2.00
06 11 16 00-0112	LF		3" x 6" Pressure Treated Wood Post.....	6.15	2.53
06 11 16 00-0113	LF		4" x 6" Pressure Treated Wood Post.....	7.06	2.53
06 11 16 00-0114	LF		6" x 6" Pressure Treated Wood Post.....	9.08	2.75
06 11 16 00-0115			<b>Girts</b> <small>(06 11 16 00-0103)</small>		
			Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0116	LF		2" x 4" Wood Girt.....	2.61	0.76
06 11 16 00-0117	LF		2" x 6" Wood Girt.....	3.49	0.83
06 11 16 00-0118	LF		2" x 8" Wood Girt.....	4.42	0.92
06 11 16 00-0119	LF		2" x 10" Wood Girt.....	5.60	1.02
06 11 16 00-0120	LF		4" x 4" Wood Girt.....	4.96	1.53
06 11 16 00-0121	LF		4" x 5" Wood Girt.....	5.76	1.71
06 11 16 00-0122	LF		4" x 6" Wood Girt.....	6.53	1.90
06 11 16 00-0123	LF		6" x 6" Wood Girt.....	7.33	2.10
06 11 16 00-0124	LF		8" x 8" Wood Girt.....	8.12	2.28
06 11 16 00-0125	LF		10" x 10" Wood Girt.....	8.90	2.48
06 11 16 00-0126	LF		2" x 4" Pressure Treated Wood Girt.....	2.47	0.76
06 11 16 00-0127	LF		2" x 6" Pressure Treated Wood Girt.....	3.24	0.83
06 11 16 00-0128	LF		2" x 8" Pressure Treated Wood Girt.....	4.04	0.92
06 11 16 00-0129	LF		2" x 10" Pressure Treated Wood Girt.....	4.74	1.02
06 11 16 00-0130	LF		4" x 4" Pressure Treated Wood Girt.....	5.44	1.53
06 11 16 00-0131	LF		3" x 6" Pressure Treated Wood Girt.....	6.15	1.90
06 11 16 00-0132	LF		4" x 6" Pressure Treated Wood Girt.....	7.06	1.90
06 11 16 00-0133	LF		6" x 6" Pressure Treated Wood Girt.....	9.08	2.10
06 11 16 00-0134			<b>Construction Grade/Rough Redwood Posts</b> <small>(06 11 16 00-0103)</small>		
06 11 16 00-0135	LF		4" x 4" Redwood, Construction Grade/Rough Post.....	7.36	2.00
			For Smooth "Clear", Add	0.87	
06 11 16 00-0136	LF		4" x 5" Redwood, Construction Grade/Rough Post.....	8.82	2.33
			For Smooth "Clear", Add	1.08	
06 11 16 00-0137	LF		4" x 6" Redwood, Construction Grade/Rough Post.....	10.30	2.53
			For Smooth "Clear", Add	1.30	
06 11 16 00-0138	LF		4" x 8" Redwood, Construction Grade/Rough Post.....	12.64	2.61
			For Smooth "Clear", Add	1.73	
06 11 16 00-0139	LF		4" x 10" Redwood, Construction Grade/Rough Post.....	15.04	2.78
			For Smooth "Clear", Add	2.17	
06 11 16 00-0140	LF		6" x 6" Redwood, Construction Grade/Rough Post.....	13.94	2.75
			For Smooth "Clear", Add	1.95	
06 11 16 00-0141	LF		6" x 8" Redwood, Construction Grade/Rough Post.....	17.34	2.85
			For Smooth "Clear", Add	2.60	
06 11 16 00-0142	LF		6" x 10" Redwood, Construction Grade/Rough Post.....	20.71	2.67
			For Smooth "Clear", Add	3.25	
06 11 16 00-0143	LF		8" x 8" Redwood, Construction Grade/Rough Post.....	21.92	2.85
			For Smooth "Clear", Add	3.47	
06 11 16 00-0144			<b>Stair Stringers</b> <small>(06 11 16)</small>		
06 11 16 00-0145	LF		2" x 10" Wood Stair Stringer.....	9.85	4.23
06 11 16 00-0146	LF		2" x 12" Wood Stair Stringer.....	11.78	4.96
06 11 16 00-0147	LF		2" x 10" Pressure Treated Wood Stair Stringer.....	9.06	4.23
06 11 16 00-0148	LF		2" x 12" Pressure Treated Wood Stair Stringer.....	10.94	4.96
06 11 16 00-0149			<b>Blocking</b> <small>(06 11 16)</small>		
06 11 16 00-0150			<b>Blocking</b> <small>(06 11 16 00-0149)</small>		
06 11 16 00-0151			<b>Blocking To Wood</b> <small>(06 11 16 00-0150)</small>		
06 11 16 00-0152	LF		2" x 4" Pressure Treated Wood Blocking To Wood.....	6.43	2.54
06 11 16 00-0153	LF		2" x 6" Pressure Treated Wood Blocking To Wood.....	7.85	2.79
06 11 16 00-0154	LF		2" x 8" Pressure Treated Wood Blocking To Wood.....	9.06	3.07
06 11 16 00-0155	LF		4" x 4" Pressure Treated Wood Blocking To Wood.....	10.67	3.37
06 11 16 00-0156	LF		4" x 6" Pressure Treated Wood Blocking To Wood.....	11.43	3.71
06 11 16 00-0157	LF		2" x 4" Wood Blocking To Wood.....	6.16	2.54
06 11 16 00-0158	LF		2" x 6" Wood Blocking To Wood.....	7.41	2.79
06 11 16 00-0159	LF		2" x 8" Wood Blocking To Wood.....	8.73	3.07
06 11 16 00-0160	LF		4" x 4" Wood Blocking To Wood.....	8.95	3.37
06 11 16 00-0161	LF		4" x 6" Wood Blocking To Wood.....	10.22	3.71
06 11 16 00-0162			<b>Blocking To Steel</b> <small>(06 11 16 00-0150)</small>		
06 11 16 00-0163	LF		2" x 4" Pressure Treated Wood Blocking To Steel.....	7.33	2.92
06 11 16 00-0164	LF		2" x 6" Pressure Treated Wood Blocking To Steel.....	8.91	3.21
06 11 16 00-0165	LF		2" x 8" Pressure Treated Wood Blocking To Steel.....	10.26	3.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0166	LF		2" x 4" Wood Blocking To Steel .....	7.03	2.92
06 11 16 00-0167	LF		2" x 6" Wood Blocking To Steel .....	8.42	3.21
06 11 16 00-0168	LF		2" x 8" Wood Blocking To Steel .....	9.89	3.54
<b>06 11 16 00-0169</b>			<b>Blocking To Concrete</b> (06 11 16 00-0150)		
06 11 16 00-0170	LF		2" x 4" Pressure Treated Wood Blocking To Concrete.....	7.33	2.92
06 11 16 00-0171	LF		2" x 6" Pressure Treated Wood Blocking To Concrete.....	8.91	3.21
06 11 16 00-0172	LF		2" x 8" Pressure Treated Wood Blocking To Concrete.....	10.26	3.54
06 11 16 00-0173	LF		2" x 4" Wood Blocking To Concrete .....	7.03	2.92
06 11 16 00-0174	LF		2" x 6" Wood Blocking To Concrete .....	8.42	3.21
06 11 16 00-0175	LF		2" x 8" Wood Blocking To Concrete .....	9.89	3.54
<b>06 11 16 00-0176</b>			<b>Pressure Treated Lattice</b> (06 11 16 00-0149)		
06 11 16 00-0177	SF		3/4" Thick Pressure Treated Wood Lattice.....	10.73	2.22
<b>06 11 16 00-0178</b>			<b>Roofing Nailers</b> (06 11 16)		
06 11 16 00-0179	LF		2" x 4" Pressure Treated Lumber, For Roofing Nailers .....	3.37	0.84
06 11 16 00-0180	LF		2" x 6" Pressure Treated Lumber, For Roofing Nailers .....	4.10	0.90
06 11 16 00-0181	LF		2" x 8" Pressure Treated Lumber, For Roofing Nailers .....	4.84	0.95
<b>06 11 16 00-0182</b>			<b>Roofing Sleepers</b> (06 11 16)		
06 11 16 00-0183	LF		2" x 4" Pressure Treated Lumber, For Roofing Sleepers .....	1.73	
06 11 16 00-0184	LF		4" x 4" Pressure Treated Lumber, For Roofing Sleepers .....	3.95	
06 11 16 00-0185	LF		4" x 6" Pressure Treated Lumber, For Roofing Sleepers .....	5.16	
06 11 16 00-0186	LF		6" x 6" Pressure Treated Lumber, For Roofing Sleepers .....	7.01	
<b>06 11 16 00-0187</b>			<b>Canopy Framing, Bridging, And Furring</b> (06 11 16)		
<b>06 11 16 00-0188</b>			<b>Wood And Steel Bridging</b> (06 11 16 00-0187)		
<b>06 11 16 00-0189</b>			<b>Wood Bridging</b> (06 11 16 00-0188)		
06 11 16 00-0190	EA		1 Pair Wood Bridging, 1" x 3" Cross Type..... Note: For joists spaced at 16" on center.	9.08	3.70
06 11 16 00-0191	EA		1 Pair Wood Bridging, 2" x 3" Cross Type..... Note: For joists spaced at 16" on center.	9.67	3.70
<b>06 11 16 00-0192</b>			<b>Steel Bridging</b> (06 11 16 00-0188)		
06 11 16 00-0193	EA		1 Pair Steel Bridging, Wood Joists At 16" On Center.....	9.83	3.70
06 11 16 00-0194	EA		1 Pair Steel Bridging, Wood Joists At 24" On Center.....	9.81	3.70
<b>06 11 16 00-0195</b>			<b>Light Framing, Trim And Furring</b> (06 11 16 00-0187)		
<b>06 11 16 00-0196</b>			<b>Pine/Spruce/Fir Light Framing, Trim And Furring</b> (06 11 16 00-0195)		
06 11 16 00-0197	LF		1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring .....	2.07	0.86
06 11 16 00-0198	LF		1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring .....	2.39	0.95
06 11 16 00-0199	LF		1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring .....	2.90	1.05
06 11 16 00-0200	LF		1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring .....	3.25	1.15
06 11 16 00-0201	LF		1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring .....	3.63	1.27
06 11 16 00-0202	LF		1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring .....	4.05	1.39
06 11 16 00-0203	LF		2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring .....	3.29	1.15
06 11 16 00-0204	LF		2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring .....	3.73	1.27
06 11 16 00-0205	LF		2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring .....	4.61	1.39
06 11 16 00-0206	LF		2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring .....	5.64	1.54
06 11 16 00-0207	LF		2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring .....	6.95	1.69
<b>06 11 16 00-0208</b>			<b>Cedar Light Framing, Trim And Furring</b> (06 11 16 00-0195)		
06 11 16 00-0209	LF		1" x 1" Cedar Light Framing, Trim And Furring .....	2.13	0.86
06 11 16 00-0210	LF		1" x 2" Cedar Light Framing, Trim And Furring .....	2.70	0.95
06 11 16 00-0211	LF		1" x 4" Cedar Light Framing, Trim And Furring .....	4.06	1.05
06 11 16 00-0212	LF		1" x 6" Cedar Light Framing, Trim And Furring .....	5.24	1.15
06 11 16 00-0213	LF		1" x 8" Cedar Light Framing, Trim And Furring .....	8.85	1.27
06 11 16 00-0214	LF		1" x 10" Cedar Light Framing, Trim And Furring .....	10.69	1.39
06 11 16 00-0215	LF		2" x 2" Cedar Light Framing, Trim And Furring .....	4.04	1.15
06 11 16 00-0216	LF		2" x 4" Cedar Light Framing, Trim And Furring .....	4.85	1.27
<b>06 11 16 00-0217</b>			<b>Oak Light Framing, Trim And Furring</b> (06 11 16 00-0195)		
06 11 16 00-0218	LF		1" x 1" Oak Light Framing, Trim And Furring .....	2.15	0.86
06 11 16 00-0219	LF		1" x 2" Oak Light Framing, Trim And Furring .....	2.73	0.95
06 11 16 00-0220	LF		1" x 4" Oak Light Framing, Trim And Furring .....	3.77	1.05
06 11 16 00-0221	LF		1" x 6" Oak Light Framing, Trim And Furring .....	4.80	1.15
06 11 16 00-0222	LF		1" x 8" Oak Light Framing, Trim And Furring .....	5.86	1.27
06 11 16 00-0223	LF		1" x 10" Oak Light Framing, Trim And Furring .....	6.95	1.39
06 11 16 00-0224	LF		2" x 2" Oak Light Framing, Trim And Furring .....	3.97	1.15
06 11 16 00-0225	LF		2" x 4" Oak Light Framing, Trim And Furring .....	5.87	1.27

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 11 Wood Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0226			<b>Redwood Light Framing, Trim And Furring</b> (06 11 16 00-0195)		
06 11 16 00-0227	LF		1" x 1" Redwood Light Framing, Trim And Furring.....	2.02	0.86
06 11 16 00-0228	LF		1" x 2" Redwood Light Framing, Trim And Furring.....	2.51	0.95
06 11 16 00-0229	LF		1" x 4" Redwood Light Framing, Trim And Furring.....	3.37	1.05
06 11 16 00-0230	LF		1" x 6" Redwood Light Framing, Trim And Furring.....	4.30	1.15
06 11 16 00-0231	LF		1" x 8" Redwood Light Framing, Trim And Furring.....	5.34	1.27
06 11 16 00-0232	LF		1" x 10" Redwood Light Framing, Trim And Furring.....	6.48	1.39
06 11 16 00-0233	LF		2" x 2" Redwood Light Framing, Trim And Furring.....	4.34	1.15
06 11 16 00-0234	LF		2" x 4" Redwood Light Framing, Trim And Furring.....	5.39	1.27
06 11 16 00-0235			<b>Poplar Light Framing, Trim And Furring</b> (06 11 16 00-0195)		
06 11 16 00-0236	LF		1" x 1" Poplar Light Framing, Trim And Furring.....	2.73	0.86
06 11 16 00-0237	LF		1" x 2" Poplar Light Framing, Trim And Furring.....	3.61	0.95
06 11 16 00-0238	LF		1" x 4" Poplar Light Framing, Trim And Furring.....	4.92	1.05
06 11 16 00-0239	LF		1" x 6" Poplar Light Framing, Trim And Furring.....	6.71	1.15
06 11 16 00-0240	LF		1" x 8" Poplar Light Framing, Trim And Furring.....	7.98	1.27
06 11 16 00-0241	LF		1" x 10" Poplar Light Framing, Trim And Furring.....	11.21	1.39
06 11 16 00-0242	LF		1" x 12" Poplar Light Framing, Trim And Furring.....	12.41	1.39
06 11 16 00-0243	LF		2" x 2" Poplar Light Framing, Trim And Furring.....	9.70	1.15
06 11 16 00-0244	LF		2" x 4" Poplar Light Framing, Trim And Furring.....	10.94	1.27
06 11 16 00-0245	LF		2" x 6" Poplar Light Framing, Trim And Furring.....	15.39	1.39
06 11 16 00-0246			<b>Maple Light Framing, Trim And Furring</b> (06 11 16 00-0195)		
06 11 16 00-0247	LF		1" x 4" Maple Light Framing, Trim And Furring.....	7.97	1.05
06 11 16 00-0248	LF		1" x 6" Maple Light Framing, Trim And Furring.....	11.44	1.15
06 11 16 00-0249	LF		1" x 8" Maple Light Framing, Trim And Furring.....	14.98	1.27
06 13			<b>Heavy Timber Construction</b> (06 10)		
06 13 23			<b>Heavy Timber Framing</b> (06 13)		
06 13 23 00-0001			<b>Heavy Timber Framing</b> (06 13 23) Note: Excludes fasteners.		
06 13 23 00-0002			<b>Heavy Timber Beams</b> (06 13 23 00-0001)		
06 13 23 00-0003			<b>Pine, Heavy Timber Beams</b> (06 13 23 00-0002)		
06 13 23 00-0004	LF		4" x 4", Pine, Heavy Timber Beam.....	8.61	1.87
06 13 23 00-0005	LF		4" x 6", Pine, Heavy Timber Beam.....	11.20	1.95
06 13 23 00-0006	LF		4" x 8", Pine, Heavy Timber Beam.....	13.79	2.03
06 13 23 00-0007	LF		4" x 10", Pine, Heavy Timber Beam.....	19.09	2.17
06 13 23 00-0008	LF		4" x 12", Pine, Heavy Timber Beam.....	23.37	2.30
06 13 23 00-0009	LF		6" x 6", Pine, Heavy Timber Beam.....	15.13	2.12
06 13 23 00-0010	LF		6" x 8", Pine, Heavy Timber Beam.....	18.96	2.22
06 13 23 00-0011	LF		6" x 10", Pine, Heavy Timber Beam.....	26.89	2.38
06 13 23 00-0012	LF		6" x 12", Pine, Heavy Timber Beam.....	32.99	2.43
06 13 23 00-0013	LF		8" x 8", Pine, Heavy Timber Beam.....	24.04	2.30
06 13 23 00-0014	LF		8" x 10", Pine, Heavy Timber Beam.....	34.27	2.38
06 13 23 00-0015	LF		8" x 12", Pine, Heavy Timber Beam.....	42.44	2.43
06 13 23 00-0016	LF		10" x 10", Pine, Heavy Timber Beam.....	41.85	2.43
06 13 23 00-0017	LF		10" x 12", Pine, Heavy Timber Beam.....	52.17	2.64
06 13 23 00-0018	LF		12" x 12", Pine, Heavy Timber Beam.....	62.07	2.91
06 13 23 00-0019			<b>Douglas Fir, Heavy Timber Beams</b> (06 13 23 00-0002)		
06 13 23 00-0020	LF		4" x 4", Douglas Fir, Heavy Timber Beam.....	9.11	1.87
06 13 23 00-0021	LF		4" x 6", Douglas Fir, Heavy Timber Beam.....	11.93	1.95
06 13 23 00-0022	LF		4" x 8", Douglas Fir, Heavy Timber Beam.....	14.78	2.03
06 13 23 00-0023	LF		4" x 10", Douglas Fir, Heavy Timber Beam.....	20.57	2.17
06 13 23 00-0024	LF		4" x 12", Douglas Fir, Heavy Timber Beam.....	25.22	2.30
06 13 23 00-0025	LF		6" x 6", Douglas Fir, Heavy Timber Beam.....	16.21	2.12
06 13 23 00-0026	LF		6" x 8", Douglas Fir, Heavy Timber Beam.....	20.39	2.22
06 13 23 00-0027	LF		6" x 10", Douglas Fir, Heavy Timber Beam.....	29.08	2.38
06 13 23 00-0028	LF		6" x 12", Douglas Fir, Heavy Timber Beam.....	35.81	2.43
06 13 23 00-0029	LF		8" x 8", Douglas Fir, Heavy Timber Beam.....	25.98	2.30
06 13 23 00-0030	LF		8" x 10", Douglas Fir, Heavy Timber Beam.....	37.22	2.38
06 13 23 00-0031	LF		8" x 12", Douglas Fir, Heavy Timber Beam.....	46.19	2.43
06 13 23 00-0032	LF		10" x 10", Douglas Fir, Heavy Timber Beam.....	45.52	2.43
06 13 23 00-0033	LF		10" x 12", Douglas Fir, Heavy Timber Beam.....	56.81	2.64
06 13 23 00-0034	LF		12" x 12", Douglas Fir, Heavy Timber Beam.....	67.68	2.91
06 13 23 00-0035			<b>Pressure Treated, Heavy Timber Beams</b> (06 13 23 00-0002)		
06 13 23 00-0036	LF		4" x 4", Pressure Treated, Heavy Timber Beam.....	7.24	1.87
06 13 23 00-0037	LF		4" x 6", Pressure Treated, Heavy Timber Beam.....	9.45	1.95
06 13 23 00-0038	LF		4" x 8", Pressure Treated, Heavy Timber Beam.....	11.39	2.03
06 13 23 00-0039	LF		4" x 10", Pressure Treated, Heavy Timber Beam.....	15.42	2.17
06 13 23 00-0040	LF		4" x 12", Pressure Treated, Heavy Timber Beam.....	18.68	2.30
06 13 23 00-0041	LF		6" x 6", Pressure Treated, Heavy Timber Beam.....	13.54	2.12
06 13 23 00-0042	LF		6" x 8", Pressure Treated, Heavy Timber Beam.....	16.89	2.22
06 13 23 00-0043	LF		6" x 10", Pressure Treated, Heavy Timber Beam.....	20.43	2.38
06 13 23 00-0044	LF		6" x 12", Pressure Treated, Heavy Timber Beam.....	25.45	2.43

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 13 23 00-0045	LF		8" x 8", Pressure Treated, Heavy Timber Beam .....	25.83	2.30
06 13 23 00-0046	LF		8" x 10", Pressure Treated, Heavy Timber Beam .....	30.22	2.38
06 13 23 00-0047	LF		8" x 12", Pressure Treated, Heavy Timber Beam .....	35.84	2.43
06 13 23 00-0048	LF		10" x 10", Pressure Treated, Heavy Timber Beam .....	36.00	2.43
06 13 23 00-0049	LF		10" x 12", Pressure Treated, Heavy Timber Beam .....	48.15	2.64
06 13 23 00-0050	LF		12" x 12", Pressure Treated, Heavy Timber Beam .....	57.26	2.91

06 13 23 00-0051 Heavy Timber Columns (06 13 23 00-0001)

06 13 23 00-0052 Pine, Heavy Timber Columns (06 13 23 00-0051)

06 13 23 00-0053	LF		4" x 4", Pine, Heavy Timber Column .....	6.83	0.99
06 13 23 00-0054	LF		4" x 6", Pine, Heavy Timber Column .....	9.37	1.05
06 13 23 00-0055	LF		4" x 8", Pine, Heavy Timber Column .....	11.86	1.07
06 13 23 00-0056	LF		4" x 10", Pine, Heavy Timber Column .....	17.04	1.14
06 13 23 00-0057	LF		4" x 12", Pine, Heavy Timber Column .....	21.19	1.21
06 13 23 00-0058	LF		6" x 6", Pine, Heavy Timber Column .....	13.15	1.10
06 13 23 00-0059	LF		6" x 8", Pine, Heavy Timber Column .....	16.89	1.15
06 13 23 00-0060	LF		6" x 10", Pine, Heavy Timber Column .....	24.64	1.25
06 13 23 00-0061	LF		6" x 12", Pine, Heavy Timber Column .....	30.68	1.28
06 13 23 00-0062	LF		8" x 8", Pine, Heavy Timber Column .....	21.86	1.21
06 13 23 00-0063	LF		8" x 10", Pine, Heavy Timber Column .....	32.02	1.25
06 13 23 00-0064	LF		8" x 12", Pine, Heavy Timber Column .....	40.09	1.30
06 13 23 00-0065	LF		10" x 10", Pine, Heavy Timber Column .....	39.51	1.30
06 13 23 00-0066	LF		10" x 12", Pine, Heavy Timber Column .....	49.67	1.39
06 13 23 00-0067	LF		12" x 12", Pine, Heavy Timber Column .....	59.32	1.53

06 13 23 00-0068 Douglas Fir, Heavy Timber Columns (06 13 23 00-0051)

06 13 23 00-0069	LF		4" x 4", Douglas Fir, Heavy Timber Column .....	7.33	0.99
06 13 23 00-0070	LF		4" x 6", Douglas Fir, Heavy Timber Column .....	10.10	1.05
06 13 23 00-0071	LF		4" x 8", Douglas Fir, Heavy Timber Column .....	12.85	1.07
06 13 23 00-0072	LF		4" x 10", Douglas Fir, Heavy Timber Column .....	18.52	1.14
06 13 23 00-0073	LF		4" x 12", Douglas Fir, Heavy Timber Column .....	23.04	1.21
06 13 23 00-0074	LF		6" x 6", Douglas Fir, Heavy Timber Column .....	14.23	1.10
06 13 23 00-0075	LF		6" x 8", Douglas Fir, Heavy Timber Column .....	18.32	1.15
06 13 23 00-0076	LF		6" x 10", Douglas Fir, Heavy Timber Column .....	26.83	1.25
06 13 23 00-0077	LF		6" x 12", Douglas Fir, Heavy Timber Column .....	33.50	1.28
06 13 23 00-0078	LF		8" x 8", Douglas Fir, Heavy Timber Column .....	23.80	1.21
06 13 23 00-0079	LF		8" x 10", Douglas Fir, Heavy Timber Column .....	34.97	1.25
06 13 23 00-0080	LF		8" x 12", Douglas Fir, Heavy Timber Column .....	43.84	1.30
06 13 23 00-0081	LF		10" x 10", Douglas Fir, Heavy Timber Column .....	43.18	1.30
06 13 23 00-0082	LF		10" x 12", Douglas Fir, Heavy Timber Column .....	54.31	1.39
06 13 23 00-0083	LF		12" x 12", Douglas Fir, Heavy Timber Column .....	64.93	1.53

06 13 23 00-0084 Pressure Treated, Heavy Timber Columns (06 13 23 00-0051)

06 13 23 00-0085	LF		4" x 4", Pressure Treated, Heavy Timber Column .....	5.46	0.99
06 13 23 00-0086	LF		4" x 6", Pressure Treated, Heavy Timber Column .....	7.62	1.05
06 13 23 00-0087	LF		4" x 8", Pressure Treated, Heavy Timber Column .....	9.46	1.07
06 13 23 00-0088	LF		4" x 10", Pressure Treated, Heavy Timber Column .....	13.37	1.14
06 13 23 00-0089	LF		4" x 12", Pressure Treated, Heavy Timber Column .....	16.50	1.21
06 13 23 00-0090	LF		6" x 6", Pressure Treated, Heavy Timber Column .....	11.56	1.10
06 13 23 00-0091	LF		6" x 8", Pressure Treated, Heavy Timber Column .....	14.82	1.15
06 13 23 00-0092	LF		6" x 10", Pressure Treated, Heavy Timber Column .....	18.18	1.25
06 13 23 00-0093	LF		6" x 12", Pressure Treated, Heavy Timber Column .....	23.14	1.28
06 13 23 00-0094	LF		8" x 8", Pressure Treated, Heavy Timber Column .....	23.65	1.21
06 13 23 00-0095	LF		8" x 10", Pressure Treated, Heavy Timber Column .....	27.97	1.25
06 13 23 00-0096	LF		8" x 12", Pressure Treated, Heavy Timber Column .....	33.49	1.30
06 13 23 00-0097	LF		10" x 10", Pressure Treated, Heavy Timber Column .....	33.66	1.30
06 13 23 00-0098	LF		10" x 12", Pressure Treated, Heavy Timber Column .....	45.65	1.39
06 13 23 00-0099	LF		12" x 12", Pressure Treated, Heavy Timber Column .....	54.51	1.53

06 15 Wood Decking (06 10)

06 15 13 Wood Floor Decking (06 15)

06 15 13 00-0001 Wood Deck Systems (06 15 13)

Note: Includes the deck, joists, girders, posts 8' on-center, pickets and railing.

06 15 13 00-0002 Pressure Treated Wood Deck System (06 15 13 00-0001)

06 15 13 00-0003 2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)

06 15 13 00-0004	SF		5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	44.06	6.64
06 15 13 00-0005	SF		5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	43.41	6.32
06 15 13 00-0006	SF		2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	46.21	6.82
06 15 13 00-0007	SF		2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	45.63	6.49

06 15 13 00-0008 2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)

06 15 13 00-0009	SF		5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	45.92	6.82
06 15 13 00-0010	SF		5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	45.22	6.48
06 15 13 00-0011	SF		2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	48.07	6.99
06 15 13 00-0012	SF		2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center .....	47.50	6.64

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 15 Wood Decking**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
06 15 13 00-0013		<b>2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System</b> (06 15 13 00-0002)			
06 15 13 00-0014	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	44.06		6.64
06 15 13 00-0015	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	43.41		6.32
06 15 13 00-0016	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	46.21		6.82
06 15 13 00-0017	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	45.63		6.49
06 15 13 00-0018		<b>Redwood With Pressure Treated Joists, Wood Deck System</b> (06 15 13 00-0001)			
06 15 13 00-0019		<b>2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System</b> (06 15 13 00-0018)			
06 15 13 00-0020	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	49.89		6.64
06 15 13 00-0021	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	49.50		6.47
06 15 13 00-0022	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	53.51		6.82
06 15 13 00-0023	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	52.50		6.49
06 15 13 00-0024		<b>2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System</b> (06 15 13 00-0018)			
06 15 13 00-0025	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	55.05		6.82
06 15 13 00-0026	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	54.63		6.48
06 15 13 00-0027	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	59.00		6.99
06 15 13 00-0028	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	58.06		6.64
06 15 13 00-0029		<b>2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System</b> (06 15 13 00-0018)			
06 15 13 00-0030	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	52.23		6.64
06 15 13 00-0031	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	51.84		6.32
06 15 13 00-0032	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	55.98		6.82
06 15 13 00-0033	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	56.85		6.49
06 15 13 00-0034		<b>Wood Ramp Systems</b> (06 15 13)			
		Note: Includes the decking, joists, girders, posts at corners and along ramp, pickets and railing.			
06 15 13 00-0035		<b>Pressure Treated Wood Ramp System</b> (06 15 13 00-0034)			
06 15 13 00-0036		<b>2" x 6" Joists, Pressure Treated Wood Ramp System</b> (06 15 13 00-0035)			
06 15 13 00-0037	SF	5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	49.01		6.49
06 15 13 00-0038	SF	5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	48.02		6.16
06 15 13 00-0039	SF	2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	51.21		6.64
06 15 13 00-0040	SF	2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	50.29		6.32
06 15 13 00-0041		<b>2" x 8" Joists, Pressure Treated Wood Ramp System</b> (06 15 13 00-0035)			
06 15 13 00-0042	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	50.86		6.64
06 15 13 00-0043	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	49.88		6.32
06 15 13 00-0044	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	53.19		6.82
06 15 13 00-0045	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	52.27		6.49
06 15 13 00-0046		<b>2" x 10" Joists, Pressure Treated Wood Ramp System</b> (06 15 13 00-0035)			
06 15 13 00-0047	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	52.85		6.81
06 15 13 00-0048	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	51.86		6.48
06 15 13 00-0049	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	55.23		6.99
06 15 13 00-0050	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	54.31		6.64
06 15 13 00-0051		<b>Redwood With Pressure Treated Joists, Wood Ramp System</b> (06 15 13 00-0034)			
06 15 13 00-0052		<b>2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System</b> (06 15 13 00-0051)			
06 15 13 00-0053	SF	5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	54.49		6.49
06 15 13 00-0054	SF	5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	53.74		6.16
06 15 13 00-0055	SF	2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	58.08		6.64
06 15 13 00-0056	SF	2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	56.76		6.32
06 15 13 00-0057		<b>2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System</b> (06 15 13 00-0051)			
06 15 13 00-0058	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	56.69		6.64
06 15 13 00-0059	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	55.97		6.32
06 15 13 00-0060	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	60.49		6.82
06 15 13 00-0061	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	59.14		6.49
06 15 13 00-0062		<b>2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System</b> (06 15 13 00-0051)			
06 15 13 00-0063	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	62.02		6.81
06 15 13 00-0064	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	61.27		6.48
06 15 13 00-0065	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	66.18		6.99



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0066	SF		2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	66.07	6.64
<b>06 15 13 00-0067</b>			<b>Cedar With Pressure Treated Joists, Wood Ramp System</b> (06 15 13 00-0034)		
<b>06 15 13 00-0068</b>			<b>2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System</b> (06 15 13 00-0067)		
06 15 13 00-0069	SF		5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	50.95	6.49
06 15 13 00-0070	SF		5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	50.03	6.16
06 15 13 00-0071	SF		2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	53.32	6.64
06 15 13 00-0072	SF		2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	52.49	6.32
<b>06 15 13 00-0073</b>			<b>2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System</b> (06 15 13 00-0067)		
06 15 13 00-0074	SF		5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	52.93	6.64
06 15 13 00-0075	SF		5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	52.03	6.32
06 15 13 00-0076	SF		2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	55.43	6.82
06 15 13 00-0077	SF		2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	54.61	6.49
<b>06 15 13 00-0078</b>			<b>2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System</b> (06 15 13 00-0067)		
06 15 13 00-0079	SF		5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	55.09	6.81
06 15 13 00-0080	SF		5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	54.15	6.48
06 15 13 00-0081	SF		2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	57.62	6.99
06 15 13 00-0082	SF		2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	56.80	6.64
<b>06 15 13 00-0083</b>			<b>Wood Stair Systems</b> (06 15 13)		
			Note: Includes the decking, joists, girders, posts at corners and along stairs, pickets and railing.		
<b>06 15 13 00-0084</b>			<b>Pressure Treated Wood Stair System</b> (06 15 13 00-0083)		
<b>06 15 13 00-0085</b>			<b>2" x 10" Joists, Pressure Treated Wood Stair System</b> (06 15 13 00-0084)		
06 15 13 00-0086	RSR	3'	Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	146.34	15.96
06 15 13 00-0087	RSR	3'	Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	146.00	15.16
06 15 13 00-0088	RSR	3'	Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	151.53	16.37
06 15 13 00-0089	RSR	3'	Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	149.99	15.55
06 15 13 00-0090	RSR	3'-6"	Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	153.65	16.76
06 15 13 00-0091	RSR	3'-6"	Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	153.30	15.93
06 15 13 00-0092	RSR	3'-6"	Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	159.09	17.19
06 15 13 00-0093	RSR	3'-6"	Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	157.50	16.33
06 15 13 00-0094	RSR	4'	Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	161.00	17.60
06 15 13 00-0095	RSR	4'	Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	160.62	16.72
06 15 13 00-0096	RSR	4'	Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	166.70	18.06
06 15 13 00-0097	RSR	4'	Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	165.00	17.14
06 15 13 00-0098	RSR	5'	Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	172.60	18.48
06 15 13 00-0099	RSR	5'	Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	172.40	17.55
06 15 13 00-0100	RSR	5'	Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	178.76	18.95
06 15 13 00-0101	RSR	5'	Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	177.11	18.00
<b>06 15 13 00-0102</b>			<b>2" x 12" Joists, Pressure Treated Wood Stair System</b> (06 15 13 00-0084)		
06 15 13 00-0103	RSR	3'	Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	149.02	16.36
06 15 13 00-0104	RSR	3'	Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	147.55	15.54
06 15 13 00-0105	RSR	3'	Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	154.60	16.78
06 15 13 00-0106	RSR	3'	Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	153.17	15.94
06 15 13 00-0107	RSR	3'-6"	Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	156.46	17.18
06 15 13 00-0108	RSR	3'-6"	Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	154.94	16.33
06 15 13 00-0109	RSR	3'-6"	Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	162.33	17.61
06 15 13 00-0110	RSR	3'-6"	Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	160.83	16.73
06 15 13 00-0111	RSR	4'	Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	163.96	18.04
06 15 13 00-0112	RSR	4'	Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	162.34	17.13
06 15 13 00-0113	RSR	4'	Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	170.10	18.50
06 15 13 00-0114	RSR	4'	Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	168.51	17.58
06 15 13 00-0115	RSR	5'	Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	175.73	18.94
06 15 13 00-0116	RSR	5'	Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	174.19	18.00
06 15 13 00-0117	RSR	5'	Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	182.37	19.43
06 15 13 00-0118	RSR	5'	Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	180.85	18.46
<b>06 15 13 00-0119</b>			<b>Redwood With Pressure Treated Joists, Wood Stair System</b> (06 15 13 00-0083)		
<b>06 15 13 00-0120</b>			<b>2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System</b> (06 15 13 00-0119)		
06 15 13 00-0121	RSR	3'	Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	178.70	15.96
06 15 13 00-0122	RSR	3'	Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	178.07	15.16
06 15 13 00-0123	RSR	3'	Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	185.91	16.37
06 15 13 00-0124	RSR	3'	Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	185.39	15.55
06 15 13 00-0125	RSR	3'-6"	Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	187.63	16.76
06 15 13 00-0126	RSR	3'-6"	Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	186.98	15.93
06 15 13 00-0127	RSR	3'-6"	Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	195.20	17.19
06 15 13 00-0128	RSR	3'-6"	Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	194.67	16.33
06 15 13 00-0129	RSR	4'	Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	196.52	17.60
06 15 13 00-0130	RSR	4'	Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	195.81	16.72
06 15 13 00-0131	RSR	4'	Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	204.43	18.06
06 15 13 00-0132	RSR	4'	Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	203.84	17.14

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 15 Wood Decking**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0133	RSR		5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	211.66	18.48
06 15 13 00-0134	RSR		5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	211.11	17.55
06 15 13 00-0135	RSR		5' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	220.26	18.95
06 15 13 00-0136	RSR		5' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	219.84	18.00
<b>06 15 13 00-0137</b>			<b>2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System</b>		
			<i>(06 15 13 00-0119)</i>		
06 15 13 00-0138	RSR		3' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	171.84	16.36
06 15 13 00-0139	RSR		3' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	171.19	15.54
06 15 13 00-0140	RSR		3' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	178.36	16.78
06 15 13 00-0141	RSR		3' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	178.05	15.94
06 15 13 00-0142	RSR		3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	180.43	17.18
06 15 13 00-0143	RSR		3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	179.76	16.33
06 15 13 00-0144	RSR		3'-6" Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	187.27	17.61
06 15 13 00-0145	RSR		3'-6" Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	186.95	16.73
06 15 13 00-0146	RSR		4' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	189.00	18.04
06 15 13 00-0147	RSR		4' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	188.27	17.13
06 15 13 00-0148	RSR		4' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	196.17	18.50
06 15 13 00-0149	RSR		4' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	195.80	17.58
06 15 13 00-0150	RSR		5' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	203.28	18.94
06 15 13 00-0151	RSR		5' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	202.72	18.00
06 15 13 00-0152	RSR		5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	211.04	19.43
06 15 13 00-0153	RSR		5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	210.87	18.46
<b>06 15 13 00-0154</b>			<b>Wood Deck And Ramp Systems Repairs</b> <i>(06 15 13)</i>		
			Note: Includes removal of material and screws. Excludes anchors and bolts.		
<b>06 15 13 00-0155</b>			<b>Deck Joist Or Girt</b> <i>(06 15 13 00-0154)</i>		
			See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.		
<b>06 15 13 00-0156</b>			<b>Deck Boards</b> <i>(06 15 13 00-0154)</i>		
			See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.		
06 15 13 00-0157	LF		5/4" x 4" Round Edge Pressure Treated Deck Boards .....	2.31	0.81
06 15 13 00-0158	LF		5/4" x 6" Round Edge Pressure Treated Deck Boards .....	2.52	0.97
06 15 13 00-0159	LF		2" x 4" Round Edge Pressure Treated Deck Boards .....	2.39	0.97
06 15 13 00-0160	LF		2" x 6" Round Edge Pressure Treated Deck Boards .....	3.23	1.11
06 15 13 00-0161	LF		2" x 8" Round Edge Pressure Treated Deck Boards .....	4.18	1.33
06 15 13 00-0162	LF		2" x 10" Round Edge Pressure Treated Deck Boards .....	5.13	1.63
06 15 13 00-0163	LF		2" x 12" Round Edge Pressure Treated Deck Boards .....	6.38	1.92
06 15 13 00-0164	LF		2" x 4" Round Edge Cedar Deck Boards .....	3.76	0.97
06 15 13 00-0165	LF		2" x 6" Round Edge Cedar Deck Boards .....	5.14	1.11
06 15 13 00-0166	LF		2" x 4" Round Edge Redwood Deck Boards .....	4.31	0.97
06 15 13 00-0167	LF		2" x 6" Round Edge Redwood Deck Boards .....	5.96	1.11
<b>06 15 13 00-0168</b>			<b>Deck Posts</b> <i>(06 15 13 00-0154)</i>		
			See CSI section 06 11 16 00-0103 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.		
<b>06 15 13 00-0169</b>			<b>Deck Railing And Pickets</b> <i>(06 15 13 00-0154)</i>		
			See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.		
06 15 13 00-0170	LF		2" x 4" Pressure Treated Deck Railing .....	2.39	0.97
06 15 13 00-0171	LF		2" x 2" Pressure Treated Deck Railing Picket .....	2.09	0.74
06 15 13 00-0172	LF		2" x 4" Cedar Deck Railing .....	3.76	0.97
06 15 13 00-0173	LF		2" x 2" Cedar Deck Railing Picket .....	2.84	0.74
06 15 13 00-0174	LF		2" x 4" Redwood Deck Railing .....	4.31	0.97
06 15 13 00-0175	LF		2" x 2" Redwood Deck Railing Picket .....	3.24	0.74
<b>06 16 Sheathing</b> <i>(06 10)</i>					
<b>06 16 23 Subflooring</b> <i>(06 16)</i>					
<b>06 16 23 00-0001</b>			<b>Board Type Subflooring</b> <i>(06 16 23)</i>		
06 16 23 00-0002	SF		1" x 8" Regular Surface Board Type Subfloor .....	2.81	0.84
			Note: 4 Sides Laid In A Regular Pattern.		
			<i>For Water Resistant Coating Or Treatment, Add</i>	0.05	
			<i>For Foil Backing, Add</i>	0.09	
			<i>For Tongue And Groove, Add</i>	0.06	
06 16 23 00-0003	SF		1" x 8" Diagonal Surface Board Type Subfloor .....	3.16	1.06
			Note: 4 Sides Laid In A Diagonal Pattern.		
			<i>For Water Resistant Coating Or Treatment, Add</i>	0.06	
			<i>For Foil Backing, Add</i>	0.09	
			<i>For Tongue And Groove, Add</i>	0.06	
06 16 23 00-0004	SF		1" x 10" Regular Surface Board Type Subfloor .....	2.68	0.74
			Note: 4 sides laid in a regular pattern.		
			<i>For Water Resistant Coating Or Treatment, Add</i>	0.06	
			<i>For Foil Backing, Add</i>	0.10	
			<i>For Tongue And Groove, Add</i>	0.07	
06 16 23 00-0005	SF		1" x 10" Diagonal Surface Board Type Subfloor .....	2.93	0.84
			Note: 4 sides laid in a diagonal pattern.		
			<i>For Water Resistant Coating Or Treatment, Add</i>	0.06	
			<i>For Foil Backing, Add</i>	0.10	
			<i>For Tongue And Groove, Add</i>	0.07	

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**06 16 33 Wood Board Sheathing (06 16)**

06 16 33 00-0001 Plywood (06 16 33)

06 16 33 00-0002 Roof Decking (06 16 33 00-0001)

06 16 33 00-0003	SF	3/8" Thick CDX Plywood Roof Decking.....	3.27	0.53
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	0.25	
		For Exterior CC Grade Plywood, Add	0.30	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.25	
		For ACQ Preservative Treatment, Add	0.97	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.86	
		For Fire Retardant Treatment, Add	1.60	
		For >1,696 To 3,200, Deduct	-0.12	
		For >3,200 To 6,400, Deduct	-0.18	
		For >6,400 To 12,800, Deduct	-0.25	
		For >12,800, Deduct	-0.31	
06 16 33 00-0004	SF	1/2" Thick CDX Plywood Roof Decking.....	3.83	0.63
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	0.27	
		For Exterior CC Grade Plywood, Add	0.37	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.27	
		For ACQ Preservative Treatment, Add	1.19	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.04	
		For Fire Retardant Treatment, Add	1.95	
		For >1,696 To 3,200, Deduct	-0.15	
		For >3,200 To 6,400, Deduct	-0.22	
		For >6,400 To 12,800, Deduct	-0.31	
		For >12,800, Deduct	-0.36	
06 16 33 00-0005	SF	5/8" Thick CDX Plywood Roof Decking.....	4.14	0.63
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	0.29	
		For Exterior CC Grade Plywood, Add	0.40	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.29	
		For ACQ Preservative Treatment, Add	1.29	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.19	
		For Fire Retardant Treatment, Add	2.12	
		For >1,696 To 3,200, Deduct	-0.16	
		For >3,200 To 6,400, Deduct	-0.24	
		For >6,400 To 12,800, Deduct	-0.33	
		For >12,800, Deduct	-0.39	
		For Tongue And Groove, Add	0.19	
06 16 33 00-0006	SF	3/4" Thick CDX Plywood Roof Decking.....	4.69	0.74
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	0.32	
		For Exterior CC Grade Plywood, Add	0.47	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.32	
		For ACQ Preservative Treatment, Add	1.49	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.37	
		For Fire Retardant Treatment, Add	2.46	
		For >1,696 To 3,200, Deduct	-0.19	
		For >3,200 To 6,400, Deduct	-0.28	
		For >6,400 To 12,800, Deduct	-0.38	
		For >12,800, Deduct	-0.45	
		For Tongue And Groove, Add	0.22	
06 16 33 00-0007	SF	1" Thick CDX Plywood Roof Decking.....	5.91	0.84
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	0.34	
		For Exterior CC Grade Plywood, Add	0.63	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.34	
		For ACQ Preservative Treatment, Add	2.01	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.58	
		For Fire Retardant Treatment, Add	3.31	
		For >1,696 To 3,200, Deduct	-0.25	
		For >3,200 To 6,400, Deduct	-0.38	
		For >6,400 To 12,800, Deduct	-0.50	
		For >12,800, Deduct	-0.59	
		For Tongue And Groove, Add	0.29	

06 16 33 00-0008 Wall Sheathing (06 16 33 00-0001)

06 16 33 00-0009	SF	1/4" Interior BC Plywood Wall Sheathing.....	3.59	0.74
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	0.32	
		For Exterior CC Grade Plywood, Add	0.30	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.32	
		For Ceiling Installation, Add	0.16	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.37	
		For Fire Retardant Treatment, Add	1.59	
		For >1,696 To 3,200, Deduct	-0.12	
		For >3,200 To 6,400, Deduct	-0.18	
		For >6,400 To 12,800, Deduct	-0.26	
		For >12,800, Deduct	-0.32	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 16 Sheathing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 16 33 00-0010	SF 5/16" Interior BC Plywood Wall Sheathing ..... Note: Applied to wall studs. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For Ceiling Installation, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	3.69 0.32 0.32 0.32 0.16 2.37 1.67 -0.13 -0.19 -0.27 -0.33	0.74
06 16 33 00-0011	SF 3/8" Interior BC Plywood Wall Sheathing ..... Note: Applied to wall studs. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For Ceiling Installation, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	3.88 0.32 0.35 0.32 0.16 2.37 1.82 -0.14 -0.21 -0.29 -0.36	0.84
06 16 33 00-0012	SF 1/2" Interior BC Plywood Wall Sheathing ..... Note: Applied to wall studs. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For Ceiling Installation, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	4.57 0.34 0.43 0.34 0.17 2.52 2.28 -0.17 -0.26 -0.36 -0.43	0.84
06 16 33 00-0013	SF 5/8" Interior BC Plywood Wall Sheathing ..... Note: Applied to wall studs. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For Ceiling Installation, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	4.87 0.36 0.46 0.36 0.18 2.72 2.42 -0.18 -0.28 -0.38 -0.46	0.95
06 16 33 00-0014	SF 3/4" Interior BC Plywood Wall Sheathing ..... Note: Applied to wall studs. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For Ceiling Installation, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	5.44 0.39 0.52 0.39 0.20 2.93 2.76 -0.21 -0.31 -0.43 -0.52	1.06
06 16 33 00-0015	<b>Floor Decking</b> <small>(06 16 33 00-0001)</small> Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0016	SF 5/16" CD Grade Plywood Floor Decking ..... Note: Applied to floor or joists. For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For ACQ Preservative Treatment, Add For Fir Plywood, Add For BC Grade Plywood, Add For Exterior Glue, Add For Marine Grade, Add	2.52 1.79 1.05 -0.08 -0.12 -0.18 -0.22 0.64 0.25 0.20 0.12 1.04	0.63
06 16 33 00-0017	SF 3/8" CD Grade Plywood Floor Decking ..... Note: Applied to floor or joists. For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For ACQ Preservative Treatment, Add For Fir Plywood, Add For BC Grade Plywood, Add For Exterior Glue, Add For Marine Grade, Add	2.92 1.88 1.32 -0.10 -0.15 -0.21 -0.26 0.80 0.31 0.25 0.16 1.31	0.63

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0018	SF		1/2" CD Grade Plywood Floor Decking.....	3.53	0.63
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.98	
			For Fire Retardant Treatment, Add	1.75	
			For >1,696 To 3,200, Deduct	-0.13	
			For >3,200 To 6,400, Deduct	-0.20	
			For >6,400 To 12,800, Deduct	-0.28	
			For >12,800, Deduct	-0.33	
			For ACQ Preservative Treatment, Add	1.06	
			For Fir Plywood, Add	0.41	
			For BC Grade Plywood, Add	0.33	
			For Exterior Glue, Add	0.21	
			For Marine Grade, Add	1.73	
06 16 33 00-0019	SF		5/8" CD Grade Plywood Floor Decking.....	3.76	0.63
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.16	
			For Fire Retardant Treatment, Add	1.83	
			For >1,696 To 3,200, Deduct	-0.14	
			For >3,200 To 6,400, Deduct	-0.21	
			For >6,400 To 12,800, Deduct	-0.29	
			For >12,800, Deduct	-0.35	
			For ACQ Preservative Treatment, Add	1.11	
			For Fir Plywood, Add	0.43	
			For BC Grade Plywood, Add	0.34	
			For Exterior Glue, Add	0.22	
			For Marine Grade, Add	1.82	
06 16 33 00-0020	SF		3/4" CD Grade Plywood Floor Decking.....	4.51	0.63
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.30	
			For Fire Retardant Treatment, Add	2.35	
			For >1,696 To 3,200, Deduct	-0.18	
			For >3,200 To 6,400, Deduct	-0.27	
			For >6,400 To 12,800, Deduct	-0.37	
			For >12,800, Deduct	-0.43	
			For ACQ Preservative Treatment, Add	1.43	
			For Fir Plywood, Add	0.55	
			For BC Grade Plywood, Add	0.44	
			For Exterior Glue, Add	0.28	
			For Marine Grade, Add	2.33	
06 16 33 00-0021	SF		1-1/8" CD Grade Plywood Floor Decking.....	7.45	0.95
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.73	
			For Fire Retardant Treatment, Add	4.45	
			For >1,696 To 3,200, Deduct	-0.34	
			For >3,200 To 6,400, Deduct	-0.51	
			For >6,400 To 12,800, Deduct	-0.66	
			For >12,800, Deduct	-0.77	
			For ACQ Preservative Treatment, Add	2.70	
			For Fir Plywood, Add	1.04	
			For BC Grade Plywood, Add	0.83	
			For Exterior Glue, Add	0.52	
			For Marine Grade, Add	4.41	
06 16 33 00-0022	SF		1/2" AC Fir Plywood Floor Decking.....	4.85	0.63
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.98	
			For Fire Retardant Treatment, Add	2.79	
			For >1,696 To 3,200, Deduct	-0.21	
			For >3,200 To 6,400, Deduct	-0.32	
			For >6,400 To 12,800, Deduct	-0.42	
			For >12,800, Deduct	-0.49	
			For ACQ Preservative Treatment, Add	1.69	
			For Exterior Glue, Add	0.33	
			For Marine Grade, Add	2.76	
			For Tongue And Groove, Add	0.25	
06 16 33 00-0023	SF		5/8" AC Fir Plywood Floor Decking.....	5.06	0.63
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.16	
			For Fire Retardant Treatment, Add	2.86	
			For >1,696 To 3,200, Deduct	-0.22	
			For >3,200 To 6,400, Deduct	-0.33	
			For >6,400 To 12,800, Deduct	-0.43	
			For >12,800, Deduct	-0.51	
			For ACQ Preservative Treatment, Add	1.74	
			For Exterior Glue, Add	0.34	
			For Marine Grade, Add	2.83	
			For Tongue And Groove, Add	0.25	
06 16 33 00-0024	SF		3/4" AC Fir Plywood Floor Decking.....	5.45	0.63
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.30	
			For Fire Retardant Treatment, Add	3.10	
			For >1,696 To 3,200, Deduct	-0.24	
			For >3,200 To 6,400, Deduct	-0.35	
			For >6,400 To 12,800, Deduct	-0.47	
			For >12,800, Deduct	-0.55	
			For ACQ Preservative Treatment, Add	1.88	
			For Exterior Glue, Add	0.36	
			For Marine Grade, Add	3.07	
			For Tongue And Groove, Add	0.27	

06 16 33 00-0025

Underlayment Grade (06 16 33 00-0001)

Note: Includes patching of seams and all fastener holes where necessary.

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MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 16 33 00-0026	SF 1/4" Thick Plywood Underlayment BC Grade..... <i>For Fire Retardant Treatment, Add</i> <i>For &gt;1,696 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i>	2.80 1.25 -0.09 -0.14 -0.17 -0.25	0.63
06 16 33 00-0027	SF 3/8" Thick Plywood Underlayment BC Grade..... <i>For Fire Retardant Treatment, Add</i> <i>For &gt;1,696 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i>	3.00 1.36 -0.10 -0.15 -0.19 -0.27	0.63
06 16 33 00-0028	SF 1/2" Thick Plywood Underlayment BC Grade..... <i>For Fire Retardant Treatment, Add</i> <i>For &gt;1,696 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i>	3.18 1.48 -0.11 -0.17 -0.20 -0.29	0.74
06 16 33 00-0029	SF 5/8" Thick Plywood Underlayment BC Grade..... <i>For Fire Retardant Treatment, Add</i> <i>For &gt;1,696 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	3.68 1.75 -0.13 -0.20 -0.24 -0.34 0.16	0.74
06 16 33 00-0030	SF 3/4" Thick Plywood Underlayment BC Grade..... <i>For Fire Retardant Treatment, Add</i> <i>For &gt;1,696 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	4.14 2.12 -0.16 -0.24 -0.28 -0.39 0.19	0.74
06 16 33 00-0031	SF 1-1/8" Thick Plywood Underlayment BC Grade ..... <i>For Fire Retardant Treatment, Add</i> <i>For &gt;1,696 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	5.73 3.23 -0.25 -0.37 -0.41 -0.57 0.29	0.84
06 16 33 00-0032	SF 3/8" Thick CDX Plywood Underlayment Grade..... <i>For Fire Retardant Treatment, Add</i> <i>For &gt;1,696 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i>	3.38 1.66 -0.13 -0.19 -0.22 -0.32	0.63
06 16 33 00-0033	SF 5/8" Thick CDX Plywood Underlayment Grade..... <i>For Fire Retardant Treatment, Add</i> <i>For &gt;1,696 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i>	4.62 2.51 -0.19 -0.29 -0.32 -0.45	0.74
06 16 33 00-0034	Oriented Strand Board <small>(06 16 33)</small>		
06 16 33 00-0035	On Roof <small>(06 16 33 00-0034)</small>		
06 16 33 00-0036	SF 3/8" Thick Structural Oriented Strand Board (OSB) On Roof..... <i>For &gt;1,408 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.47 -0.07 -0.11 -0.17 -0.21 0.97 1.86	0.63
06 16 33 00-0037	SF 1/2" Thick Structural Oriented Strand Board (OSB) On Roof..... <i>For &gt;1,408 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.80 -0.09 -0.13 -0.19 -0.24 1.14 2.04	0.63
06 16 33 00-0038	SF 5/8" Thick Structural Oriented Strand Board (OSB) On Roof..... <i>For &gt;1,408 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	3.55 -0.13 -0.19 -0.27 -0.32 1.65 2.19	0.74
06 16 33 00-0039	SF 3/4" Thick Structural Oriented Strand Board (OSB) On Roof..... <i>For &gt;1,408 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	4.36 -0.17 -0.25 -0.35 -0.41 2.20 2.37	0.74
06 16 33 00-0040	On Walls <small>(06 16 33 00-0034)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0041	SF		3/8" Thick Structural Oriented Strand Board (OSB) On Walls.....	2.81	0.74
			For >1,408 To 3,200, Deduct	-0.07	
			For >3,200 To 6,400, Deduct	-0.11	
			For >6,400 To 12,800, Deduct	-0.17	
			For >12,800, Deduct	-0.23	
			For Fire Retardant Treatment, Add	0.97	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.37	
06 16 33 00-0042	SF		1/2" Thick Structural Oriented Strand Board (OSB) On Walls.....	3.12	0.84
			For >1,408 To 3,200, Deduct	-0.09	
			For >3,200 To 6,400, Deduct	-0.13	
			For >6,400 To 12,800, Deduct	-0.20	
			For >12,800, Deduct	-0.26	
			For Fire Retardant Treatment, Add	1.14	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.52	
06 16 33 00-0043	SF		5/8" Thick Structural Oriented Strand Board (OSB) On Walls.....	3.90	0.95
			For >1,408 To 3,200, Deduct	-0.13	
			For >3,200 To 6,400, Deduct	-0.19	
			For >6,400 To 12,800, Deduct	-0.28	
			For >12,800, Deduct	-0.34	
			For Fire Retardant Treatment, Add	1.65	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.72	
06 16 33 00-0044	SF		3/4" Thick Structural Oriented Strand Board (OSB) On Walls.....	4.73	0.95
			For >1,408 To 3,200, Deduct	-0.17	
			For >3,200 To 6,400, Deduct	-0.25	
			For >6,400 To 12,800, Deduct	-0.35	
			For >12,800, Deduct	-0.43	
			For Fire Retardant Treatment, Add	2.20	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.93	
06 16 33 00-0045			<b>On Floors</b> <small>(06 16 33 00-0034)</small>		
			Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0046	SF		3/8" Thick Structural Oriented Strand Board (OSB) On Floors.....	2.50	0.63
			For >1,408 To 3,200, Deduct	-0.07	
			For >3,200 To 6,400, Deduct	-0.11	
			For >6,400 To 12,800, Deduct	-0.17	
			For >12,800, Deduct	-0.21	
			For Fire Retardant Treatment, Add	0.97	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.91	
06 16 33 00-0047	SF		1/2" Thick Structural Oriented Strand Board (OSB) On Floors.....	2.97	0.74
			For >1,408 To 3,200, Deduct	-0.09	
			For >3,200 To 6,400, Deduct	-0.13	
			For >6,400 To 12,800, Deduct	-0.20	
			For >12,800, Deduct	-0.25	
			For Fire Retardant Treatment, Add	1.14	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.30	
06 16 33 00-0048	SF		5/8" Thick Structural Oriented Strand Board (OSB) On Floors.....	3.75	0.84
			For >1,408 To 3,200, Deduct	-0.13	
			For >3,200 To 6,400, Deduct	-0.19	
			For >6,400 To 12,800, Deduct	-0.27	
			For >12,800, Deduct	-0.33	
			For Fire Retardant Treatment, Add	1.65	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.49	
06 16 33 00-0049	SF		3/4" Thick Structural Oriented Strand Board (OSB) On Floors.....	4.59	0.95
			For >1,408 To 3,200, Deduct	-0.17	
			For >3,200 To 6,400, Deduct	-0.25	
			For >6,400 To 12,800, Deduct	-0.35	
			For >12,800, Deduct	-0.42	
			For Fire Retardant Treatment, Add	2.20	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.72	
06 16 33 00-0050			<b>Particle Board</b> <small>(06 16 33)</small>		
06 16 33 00-0051			<b>Particle Board Floor Decking</b> <small>(06 16 33 00-0050)</small>		
			Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0052	SF		3/8" Particle Board Floor Decking .....	1.69	0.53
			Note: Applied to plywood subfloor.		
			For Fire Retardant Treatment Add	0.35	
			For >1,536 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.04	
			For >6,400 To 12,800, Deduct	-0.08	
			For >12,800, Deduct	-0.12	
			For Tongue And Groove, Add	0.03	
06 16 33 00-0053	SF		1/2" Particle Board Floor Decking .....	1.92	0.53
			Note: Applied to plywood subfloor.		
			For Fire Retardant Treatment Add	0.47	
			For >1,536 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.05	
			For >6,400 To 12,800, Deduct	-0.10	
			For >12,800, Deduct	-0.14	
			For Tongue And Groove, Add	0.04	
06 16 33 00-0054	SF		5/8" Particle Board Floor Decking .....	2.14	0.63
			Note: Applied to plywood subfloor.		
			For Fire Retardant Treatment Add	0.60	
			For >1,536 To 3,200, Deduct	-0.05	
			For >3,200 To 6,400, Deduct	-0.07	
			For >6,400 To 12,800, Deduct	-0.12	
			For >12,800, Deduct	-0.16	
			For Tongue And Groove, Add	0.05	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 16 Sheathing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0055	SF		3/4" Particle Board Floor Decking ..... Note: Applied to plywood subfloor. For Fire Retardant Treatment Add For >1,536 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For Tongue And Groove, Add	2.35 0.70 -0.05 -0.08 -0.13 -0.18 0.06	0.63
<b>06 16 43 Gypsum Sheathing (06 16)</b>					
06 16 43 00-0001			<b>Exterior Gypsum Sheathing (06 16 43)</b> Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.		
06 16 43 00-0002	SF		1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold) ..... For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add For Application To Metal Studs, Joists, Or Rafters, Add For Ceiling Installation, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	2.59 2.52 0.34 0.17 -0.05 -0.08 -0.14 -0.19	0.84
06 16 43 00-0003	SF		5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold) ..... For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add For Application To Metal Studs, Joists, Or Rafters, Add For Ceiling Installation, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	2.80 2.72 0.36 0.18 -0.06 -0.09 -0.15 -0.21	1.06
<b>06 17 Shop-Fabricated Structural Wood (06 10)</b>					
<b>06 17 13 Laminated Veneer Lumber (06 17)</b>					
06 17 13 00-0001			<b>Laminated Veneer Lumber (LVL) (06 17 13)</b>		
06 17 13 00-0002	LF		1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL).....	11.56	1.83
06 17 13 00-0003	LF		1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL).....	13.02	1.86
06 17 13 00-0004	LF		1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL).....	14.73	1.88
06 17 13 00-0005	LF		1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL).....	16.90	1.91
06 17 13 00-0006	LF		1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL).....	18.52	1.95
06 17 13 00-0007	LF		1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL).....	20.73	2.01
06 17 13 00-0008	LF		1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL).....	24.03	2.04
06 17 13 00-0009	LF		1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL).....	34.03	2.33
<b>06 17 23 Parallel Strand Lumber (06 17)</b>					
06 17 23 00-0001			<b>Laminated Strand Lumber (LSL) (06 17 23)</b>		
06 17 23 00-0002	LF		2" x 4" Laminated Strand Lumber (LSL).....	4.05	0.84
06 17 23 00-0003	LF		2" x 6" Laminated Strand Lumber (LSL).....	5.91	0.90
<b>06 17 33 Wood I-Joists (06 17)</b>					
06 17 33 00-0001			<b>Prefabricated Wood I-Joists (06 17 33)</b>		
06 17 33 00-0002	LF		9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length..... For I-Joists 30' To 40' In Length, Add For I-Joists >40' In Length, Add	7.01 0.51 1.26	1.17
06 17 33 00-0003	LF		11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length..... For I-Joists 30' To 40' In Length, Add For I-Joists >40' In Length, Add	7.43 0.57 1.41	1.30
06 17 33 00-0004	LF		14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length..... For I-Joists 30' To 40' In Length, Add For I-Joists >40' In Length, Add	8.85 0.64 1.58	1.46
06 17 33 00-0005	LF		16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length..... For I-Joists 30' To 40' In Length, Add For I-Joists >40' In Length, Add	10.03 0.72 1.76	1.63
<b>06 17 43 Rim Boards (06 17)</b>					
06 17 43 00-0001			<b>Oriented Strand Board (OSB) Rim Board (06 17 43)</b>		
06 17 43 00-0002	LF		1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board .....	8.45	1.88
06 17 43 00-0003	LF		1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board .....	9.58	1.91
06 17 43 00-0004	LF		1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board .....	10.93	1.95
<b>06 17 53 Shop-Fabricated Wood Trusses (06 17)</b>					
06 17 53 00-0001			<b>Pre-Assembled Wood Roof Trusses (06 17 53)</b> Note: Includes temporary and permanent bracing, and fastening with truss tie-downs. Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0002	EA		10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	222.59	68.36
			For Up To 15, Add	6.44	
			For >35, Deduct	-4.29	
			For 3 In 12 Slope, Add	2.58	
			For 5 In 12 Slope, Add	6.87	
			For 6 In 12 Slope, Add	12.88	
			For 7 In 12 Slope, Add	17.17	
			For 8 In 12 Slope, Add	20.61	
06 17 53 00-0003	EA		12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	250.01	74.88
			For Up To 15, Add	7.52	
			For >35, Deduct	-5.01	
			For 3 In 12 Slope, Add	3.01	
			For 5 In 12 Slope, Add	8.02	
			For 6 In 12 Slope, Add	15.04	
			For 7 In 12 Slope, Add	20.05	
			For 8 In 12 Slope, Add	24.06	
06 17 53 00-0004	EA		14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	283.43	81.39
			For Up To 15, Add	9.05	
			For >35, Deduct	-6.03	
			For 3 In 12 Slope, Add	3.62	
			For 5 In 12 Slope, Add	9.65	
			For 6 In 12 Slope, Add	18.10	
			For 7 In 12 Slope, Add	24.13	
			For 8 In 12 Slope, Add	28.96	
06 17 53 00-0005	EA		16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	332.58	87.90
			For Up To 15, Add	11.76	
			For >35, Deduct	-7.84	
			For 3 In 12 Slope, Add	4.70	
			For 5 In 12 Slope, Add	12.54	
			For 6 In 12 Slope, Add	23.52	
			For 7 In 12 Slope, Add	31.36	
			For 8 In 12 Slope, Add	37.63	
06 17 53 00-0006	EA		18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	372.69	94.40
			For Up To 15, Add	13.79	
			For >35, Deduct	-9.19	
			For 3 In 12 Slope, Add	5.52	
			For 5 In 12 Slope, Add	14.71	
			For 6 In 12 Slope, Add	27.58	
			For 7 In 12 Slope, Add	36.77	
			For 8 In 12 Slope, Add	44.13	
06 17 53 00-0007	EA		20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	380.02	104.17
			For Up To 15, Add	12.88	
			For >35, Deduct	-8.58	
			For 3 In 12 Slope, Add	5.15	
			For 5 In 12 Slope, Add	13.73	
			For 6 In 12 Slope, Add	25.75	
			For 7 In 12 Slope, Add	34.34	
			For 8 In 12 Slope, Add	41.20	
06 17 53 00-0008	EA		22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	398.06	166.02
			For Up To 15, Add	13.25	
			For >35, Deduct	-8.83	
			For 3 In 12 Slope, Add	5.30	
			For 5 In 12 Slope, Add	14.14	
			For 6 In 12 Slope, Add	26.50	
			For 7 In 12 Slope, Add	35.34	
			For 8 In 12 Slope, Add	42.41	
06 17 53 00-0009	EA		24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	426.06	117.20
			For Up To 15, Add	14.38	
			For >35, Deduct	-9.58	
			For 3 In 12 Slope, Add	5.75	
			For 5 In 12 Slope, Add	15.33	
			For 6 In 12 Slope, Add	28.75	
			For 7 In 12 Slope, Add	38.33	
			For 8 In 12 Slope, Add	46.00	
06 17 53 00-0010	EA		26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	455.68	185.56
			For Up To 15, Add	15.62	
			For >35, Deduct	-10.41	
			For 3 In 12 Slope, Add	6.25	
			For 5 In 12 Slope, Add	16.66	
			For 6 In 12 Slope, Add	31.24	
			For 7 In 12 Slope, Add	41.65	
			For 8 In 12 Slope, Add	49.98	
06 17 53 00-0011	EA		28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	487.48	130.21
			For Up To 15, Add	17.03	
			For >35, Deduct	-11.35	
			For 3 In 12 Slope, Add	6.81	
			For 5 In 12 Slope, Add	18.16	
			For 6 In 12 Slope, Add	34.06	
			For 7 In 12 Slope, Add	45.41	
			For 8 In 12 Slope, Add	54.49	
06 17 53 00-0012	EA		30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	507.70	205.09
			For Up To 15, Add	17.57	
			For >35, Deduct	-11.71	
			For 3 In 12 Slope, Add	7.03	
			For 5 In 12 Slope, Add	18.74	
			For 6 In 12 Slope, Add	35.14	
			For 7 In 12 Slope, Add	46.85	
			For 8 In 12 Slope, Add	56.22	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0013	EA		32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	537.61	139.98
			For Up To 15, Add	19.32	
			For >35, Deduct	-12.88	
			For 3 In 12 Slope, Add	7.73	
			For 5 In 12 Slope, Add	20.61	
			For 6 In 12 Slope, Add	38.65	
			For 7 In 12 Slope, Add	51.53	
			For 8 In 12 Slope, Add	61.84	
06 17 53 00-0014	EA		34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	601.93	219.81
			For Up To 15, Add	23.17	
			For >35, Deduct	-15.45	
			For 3 In 12 Slope, Add	9.27	
			For 5 In 12 Slope, Add	24.72	
			For 6 In 12 Slope, Add	46.34	
			For 7 In 12 Slope, Add	61.79	
			For 8 In 12 Slope, Add	74.15	
06 17 53 00-0015	EA		36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	632.75	149.75
			For Up To 15, Add	24.99	
			For >35, Deduct	-16.66	
			For 3 In 12 Slope, Add	10.00	
			For 5 In 12 Slope, Add	26.66	
			For 6 In 12 Slope, Add	49.99	
			For 7 In 12 Slope, Add	66.65	
			For 8 In 12 Slope, Add	79.98	
06 17 53 00-0016	EA		38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	668.53	234.39
			For Up To 15, Add	26.70	
			For >35, Deduct	-17.80	
			For 3 In 12 Slope, Add	10.68	
			For 5 In 12 Slope, Add	28.48	
			For 6 In 12 Slope, Add	53.40	
			For 7 In 12 Slope, Add	71.20	
			For 8 In 12 Slope, Add	85.44	
06 17 53 00-0017	EA		40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	689.18	162.78
			For Up To 15, Add	27.27	
			For >35, Deduct	-18.18	
			For 3 In 12 Slope, Add	10.91	
			For 5 In 12 Slope, Add	29.09	
			For 6 In 12 Slope, Add	54.55	
			For 7 In 12 Slope, Add	72.73	
			For 8 In 12 Slope, Add	87.27	
06 17 53 00-0018	EA		42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	779.09	253.92
			For Up To 15, Add	33.04	
			For >35, Deduct	-22.03	
			For 3 In 12 Slope, Add	13.22	
			For 5 In 12 Slope, Add	35.24	
			For 6 In 12 Slope, Add	66.08	
			For 7 In 12 Slope, Add	88.10	
			For 8 In 12 Slope, Add	105.72	
06 17 53 00-0019	EA		44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	866.91	175.79
			For Up To 15, Add	38.65	
			For >35, Deduct	-25.77	
			For 3 In 12 Slope, Add	15.46	
			For 5 In 12 Slope, Add	41.23	
			For 6 In 12 Slope, Add	77.30	
			For 7 In 12 Slope, Add	103.07	
			For 8 In 12 Slope, Add	123.68	
06 17 53 00-0020	EA		46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	896.54	182.30
			For Up To 15, Add	39.89	
			For >35, Deduct	-26.60	
			For 3 In 12 Slope, Add	15.96	
			For 5 In 12 Slope, Add	42.55	
			For 6 In 12 Slope, Add	79.79	
			For 7 In 12 Slope, Add	106.39	
			For 8 In 12 Slope, Add	127.66	
06 17 53 00-0021	EA		48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	946.24	188.82
			For Up To 15, Add	42.65	
			For >35, Deduct	-28.43	
			For 3 In 12 Slope, Add	17.06	
			For 5 In 12 Slope, Add	45.49	
			For 6 In 12 Slope, Add	85.29	
			For 7 In 12 Slope, Add	113.72	
			For 8 In 12 Slope, Add	136.47	
06 17 53 00-0022	EA		50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	1,118.50	195.33
			For Up To 15, Add	54.59	
			For >35, Deduct	-36.39	
			For 3 In 12 Slope, Add	21.84	
			For 5 In 12 Slope, Add	58.23	
			For 6 In 12 Slope, Add	109.18	
			For 7 In 12 Slope, Add	145.57	
			For 8 In 12 Slope, Add	174.68	
06 17 53 00-0023	EA		52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	1,041.64	175.67
			For Up To 15, Add	48.82	
			For >35, Deduct	-32.55	
			For 3 In 12 Slope, Add	19.53	
			For 5 In 12 Slope, Add	52.08	
			For 6 In 12 Slope, Add	97.65	
			For 7 In 12 Slope, Add	130.20	
			For 8 In 12 Slope, Add	156.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0024	EA		54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	1,092.62	205.09
			For Up To 15, Add	51.18	
			For >35, Deduct	-34.12	
			For 3 In 12 Slope, Add	20.47	
			For 5 In 12 Slope, Add	54.59	
			For 6 In 12 Slope, Add	102.36	
			For 7 In 12 Slope, Add	136.49	
			For 8 In 12 Slope, Add	163.78	
06 17 53 00-0025	EA		56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	1,139.17	190.12
			For Up To 15, Add	53.70	
			For >35, Deduct	-35.80	
			For 3 In 12 Slope, Add	21.48	
			For 5 In 12 Slope, Add	57.28	
			For 6 In 12 Slope, Add	107.40	
			For 7 In 12 Slope, Add	143.19	
			For 8 In 12 Slope, Add	171.83	
06 17 53 00-0026	EA		58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	1,185.43	214.86
			For Up To 15, Add	56.68	
			For >35, Deduct	-37.79	
			For 3 In 12 Slope, Add	22.67	
			For 5 In 12 Slope, Add	60.46	
			For 6 In 12 Slope, Add	113.36	
			For 7 In 12 Slope, Add	151.14	
			For 8 In 12 Slope, Add	181.37	
06 17 53 00-0027	EA		60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope .....	1,212.43	218.11
			For Up To 15, Add	58.22	
			For >35, Deduct	-38.81	
			For 3 In 12 Slope, Add	23.29	
			For 5 In 12 Slope, Add	62.10	
			For 6 In 12 Slope, Add	116.43	
			For 7 In 12 Slope, Add	155.24	
			For 8 In 12 Slope, Add	186.29	
06 17 53 00-0028			<b>Pre-Assembled Wood Gable End Roof Trusses</b> <small>(06 17 53)</small>		
			Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.		
06 17 53 00-0029	EA		10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	233.49	68.36
			For 3 In 12 Slope, Add	2.90	
			For 5 In 12 Slope, Add	7.74	
			For 6 In 12 Slope, Add	14.51	
			For 7 In 12 Slope, Add	19.35	
			For 8 In 12 Slope, Add	23.22	
			For 16" On Center Gable Studs, Add	19.35	
06 17 53 00-0030	EA		12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	262.77	74.88
			For 3 In 12 Slope, Add	3.39	
			For 5 In 12 Slope, Add	9.04	
			For 6 In 12 Slope, Add	16.95	
			For 7 In 12 Slope, Add	22.60	
			For 8 In 12 Slope, Add	27.12	
			For 16" On Center Gable Studs, Add	22.60	
06 17 53 00-0031	EA		14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	298.78	81.39
			For 3 In 12 Slope, Add	4.08	
			For 5 In 12 Slope, Add	10.88	
			For 6 In 12 Slope, Add	20.40	
			For 7 In 12 Slope, Add	27.20	
			For 8 In 12 Slope, Add	32.64	
			For 16" On Center Gable Studs, Add	27.20	
06 17 53 00-0032	EA		16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	352.51	87.90
			For 3 In 12 Slope, Add	5.30	
			For 5 In 12 Slope, Add	14.14	
			For 6 In 12 Slope, Add	26.51	
			For 7 In 12 Slope, Add	35.34	
			For 8 In 12 Slope, Add	42.41	
			For 16" On Center Gable Studs, Add	35.34	
06 17 53 00-0033	EA		18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	396.07	94.40
			For 3 In 12 Slope, Add	6.22	
			For 5 In 12 Slope, Add	16.58	
			For 6 In 12 Slope, Add	31.09	
			For 7 In 12 Slope, Add	41.45	
			For 8 In 12 Slope, Add	49.74	
			For 16" On Center Gable Studs, Add	41.45	
06 17 53 00-0034	EA		20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	426.41	104.17
			For 3 In 12 Slope, Add	6.54	
			For 5 In 12 Slope, Add	17.45	
			For 6 In 12 Slope, Add	32.71	
			For 7 In 12 Slope, Add	43.61	
			For 8 In 12 Slope, Add	52.34	
			For 16" On Center Gable Studs, Add	43.61	
06 17 53 00-0035	EA		22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	445.79	110.68
			For 3 In 12 Slope, Add	6.73	
			For 5 In 12 Slope, Add	17.95	
			For 6 In 12 Slope, Add	33.66	
			For 7 In 12 Slope, Add	44.88	
			For 8 In 12 Slope, Add	53.86	
			For 16" On Center Gable Studs, Add	44.88	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0036	EA	24'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	477.83	117.20
			<i>For 3 In 12 Slope, Add</i>	7.30	
			<i>For 5 In 12 Slope, Add</i>	19.48	
			<i>For 6 In 12 Slope, Add</i>	36.52	
			<i>For 7 In 12 Slope, Add</i>	48.69	
			<i>For 8 In 12 Slope, Add</i>	58.43	
			<i>For 16" On Center Gable Studs, Add</i>	48.69	
06 17 53 00-0037	EA	26'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	511.92	123.71
			<i>For 3 In 12 Slope, Add</i>	7.94	
			<i>For 5 In 12 Slope, Add</i>	21.16	
			<i>For 6 In 12 Slope, Add</i>	39.68	
			<i>For 7 In 12 Slope, Add</i>	52.90	
			<i>For 8 In 12 Slope, Add</i>	63.48	
			<i>For 16" On Center Gable Studs, Add</i>	52.90	
06 17 53 00-0038	EA	28'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	548.82	130.21
			<i>For 3 In 12 Slope, Add</i>	8.65	
			<i>For 5 In 12 Slope, Add</i>	23.07	
			<i>For 6 In 12 Slope, Add</i>	43.26	
			<i>For 7 In 12 Slope, Add</i>	57.68	
			<i>For 8 In 12 Slope, Add</i>	69.21	
			<i>For 16" On Center Gable Studs, Add</i>	57.68	
06 17 53 00-0039	EA	30'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	573.51	136.73
			<i>For 3 In 12 Slope, Add</i>	9.00	
			<i>For 5 In 12 Slope, Add</i>	24.00	
			<i>For 6 In 12 Slope, Add</i>	45.01	
			<i>For 7 In 12 Slope, Add</i>	60.01	
			<i>For 8 In 12 Slope, Add</i>	72.01	
			<i>For 16" On Center Gable Studs, Add</i>	60.01	
06 17 53 00-0040	EA	32'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	610.03	139.98
			<i>For 3 In 12 Slope, Add</i>	9.90	
			<i>For 5 In 12 Slope, Add</i>	26.41	
			<i>For 6 In 12 Slope, Add</i>	49.51	
			<i>For 7 In 12 Slope, Add</i>	66.01	
			<i>For 8 In 12 Slope, Add</i>	79.22	
			<i>For 16" On Center Gable Studs, Add</i>	66.01	
06 17 53 00-0041	EA	34'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	688.72	146.49
			<i>For 3 In 12 Slope, Add</i>	11.87	
			<i>For 5 In 12 Slope, Add</i>	31.66	
			<i>For 6 In 12 Slope, Add</i>	59.36	
			<i>For 7 In 12 Slope, Add</i>	79.15	
			<i>For 8 In 12 Slope, Add</i>	94.98	
			<i>For 16" On Center Gable Studs, Add</i>	79.15	
06 17 53 00-0042	EA	36'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	726.41	149.75
			<i>For 3 In 12 Slope, Add</i>	12.81	
			<i>For 5 In 12 Slope, Add</i>	34.15	
			<i>For 6 In 12 Slope, Add</i>	64.04	
			<i>For 7 In 12 Slope, Add</i>	85.38	
			<i>For 8 In 12 Slope, Add</i>	102.46	
			<i>For 16" On Center Gable Studs, Add</i>	85.38	
06 17 53 00-0043	EA	38'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	768.56	156.26
			<i>For 3 In 12 Slope, Add</i>	13.68	
			<i>For 5 In 12 Slope, Add</i>	36.48	
			<i>For 6 In 12 Slope, Add</i>	68.41	
			<i>For 7 In 12 Slope, Add</i>	91.21	
			<i>For 8 In 12 Slope, Add</i>	109.45	
			<i>For 16" On Center Gable Studs, Add</i>	91.21	
06 17 53 00-0044	EA	40'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	820.71	162.78
			<i>For 3 In 12 Slope, Add</i>	14.86	
			<i>For 5 In 12 Slope, Add</i>	39.61	
			<i>For 6 In 12 Slope, Add</i>	74.28	
			<i>For 7 In 12 Slope, Add</i>	99.03	
			<i>For 8 In 12 Slope, Add</i>	118.84	
			<i>For 16" On Center Gable Studs, Add</i>	99.03	
06 17 53 00-0045	EA	42'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	938.45	169.28
			<i>For 3 In 12 Slope, Add</i>	18.00	
			<i>For 5 In 12 Slope, Add</i>	47.99	
			<i>For 6 In 12 Slope, Add</i>	89.98	
			<i>For 7 In 12 Slope, Add</i>	119.98	
			<i>For 8 In 12 Slope, Add</i>	143.97	
			<i>For 16" On Center Gable Studs, Add</i>	119.98	
06 17 53 00-0046	EA	44'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,053.31	175.79
			<i>For 3 In 12 Slope, Add</i>	21.05	
			<i>For 5 In 12 Slope, Add</i>	56.14	
			<i>For 6 In 12 Slope, Add</i>	105.26	
			<i>For 7 In 12 Slope, Add</i>	140.35	
			<i>For 8 In 12 Slope, Add</i>	168.42	
			<i>For 16" On Center Gable Studs, Add</i>	140.35	
06 17 53 00-0047	EA	46'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,088.95	182.30
			<i>For 3 In 12 Slope, Add</i>	21.73	
			<i>For 5 In 12 Slope, Add</i>	57.95	
			<i>For 6 In 12 Slope, Add</i>	108.65	
			<i>For 7 In 12 Slope, Add</i>	144.87	
			<i>For 8 In 12 Slope, Add</i>	173.84	
			<i>For 16" On Center Gable Studs, Add</i>	144.87	
06 17 53 00-0048	EA	48'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,151.89	188.82
			<i>For 3 In 12 Slope, Add</i>	23.23	
			<i>For 5 In 12 Slope, Add</i>	61.94	
			<i>For 6 In 12 Slope, Add</i>	116.14	
			<i>For 7 In 12 Slope, Add</i>	154.85	
			<i>For 8 In 12 Slope, Add</i>	185.82	
			<i>For 16" On Center Gable Studs, Add</i>	154.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0049	EA		50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	1,279.10	195.33
			For 3 In 12 Slope, Add	26.65	
			For 5 In 12 Slope, Add	71.08	
			For 6 In 12 Slope, Add	133.27	
			For 7 In 12 Slope, Add	177.69	
			For 8 In 12 Slope, Add	213.23	
			For 16" On Center Gable Studs, Add	177.69	
06 17 53 00-0050	EA		52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	1,303.97	201.83
			For 3 In 12 Slope, Add	27.01	
			For 5 In 12 Slope, Add	72.02	
			For 6 In 12 Slope, Add	135.05	
			For 7 In 12 Slope, Add	180.06	
			For 8 In 12 Slope, Add	216.07	
			For 16" On Center Gable Studs, Add	180.06	
06 17 53 00-0051	EA		54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	1,354.00	205.09
			For 3 In 12 Slope, Add	28.31	
			For 5 In 12 Slope, Add	75.50	
			For 6 In 12 Slope, Add	141.57	
			For 7 In 12 Slope, Add	188.76	
			For 8 In 12 Slope, Add	226.51	
			For 16" On Center Gable Studs, Add	188.76	
06 17 53 00-0052	EA		56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	1,413.37	211.60
			For 3 In 12 Slope, Add	29.71	
			For 5 In 12 Slope, Add	79.21	
			For 6 In 12 Slope, Add	148.53	
			For 7 In 12 Slope, Add	198.03	
			For 8 In 12 Slope, Add	237.64	
			For 16" On Center Gable Studs, Add	198.03	
06 17 53 00-0053	EA		58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	1,474.84	214.86
			For 3 In 12 Slope, Add	31.35	
			For 5 In 12 Slope, Add	83.61	
			For 6 In 12 Slope, Add	156.77	
			For 7 In 12 Slope, Add	209.03	
			For 8 In 12 Slope, Add	250.83	
			For 16" On Center Gable Studs, Add	209.03	
06 17 53 00-0054	EA		60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	1,509.69	218.11
			For 3 In 12 Slope, Add	32.20	
			For 5 In 12 Slope, Add	85.88	
			For 6 In 12 Slope, Add	161.02	
			For 7 In 12 Slope, Add	214.69	
			For 8 In 12 Slope, Add	257.63	
			For 16" On Center Gable Studs, Add	214.69	

06 18 Glued-Laminated Construction (06 10)

06 18 13 Glued-Laminated Beams (06 18)

06 18 13 00-0001 Glue Laminated Straight Beams (06 18 13)

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF		3-1/2" x 6" Glue Laminated Straight Beam .....	15.10	2.83
06 18 13 00-0003	LF		3-1/2" x 7-1/2" Glue Laminated Straight Beam .....	18.85	3.53
06 18 13 00-0004	LF		3-1/2" x 9" Glue Laminated Straight Beam .....	22.63	4.25
06 18 13 00-0005	LF		3-1/2" x 9-1/2" Glue Laminated Straight Beam .....	23.87	4.49
06 18 13 00-0006	LF		3-1/2" x 10-1/2" Glue Laminated Straight Beam .....	26.39	4.95
06 18 13 00-0007	LF		3-1/2" x 12" Glue Laminated Straight Beam .....	30.15	5.66
06 18 13 00-0008	LF		3-1/2" x 13-1/2" Glue Laminated Straight Beam .....	33.95	6.36
06 18 13 00-0009	LF		3-1/2" x 14" Glue Laminated Straight Beam .....	35.19	6.61
06 18 13 00-0010	LF		3-1/2" x 15" Glue Laminated Straight Beam .....	37.72	7.08
06 18 13 00-0011	LF		3-1/2" x 16" Glue Laminated Straight Beam .....	40.20	7.55
06 18 13 00-0012	LF		3-1/2" x 16-1/2" Glue Laminated Straight Beam .....	41.48	7.79
06 18 13 00-0013	LF		3-1/2" x 18" Glue Laminated Straight Beam .....	45.24	8.50
06 18 13 00-0014	LF		3-1/2" x 19-1/2" Glue Laminated Straight Beam .....	49.00	9.21
06 18 13 00-0015	LF		3-1/2" x 21" Glue Laminated Straight Beam .....	52.78	9.92
06 18 13 00-0016	LF		3-1/2" x 22.5" Glue Laminated Straight Beam .....	56.58	10.62
06 18 13 00-0017	LF		5-1/2" x 6" Glue Laminated Straight Beam .....	23.71	4.45
06 18 13 00-0018	LF		5-1/2" x 7-1/2" Glue Laminated Straight Beam .....	29.63	5.57
06 18 13 00-0019	LF		5-1/2" x 9" Glue Laminated Straight Beam .....	35.55	6.67
06 18 13 00-0020	LF		5-1/2" x 9-1/2" Glue Laminated Straight Beam .....	37.52	7.05
06 18 13 00-0021	LF		5-1/2" x 10-1/2" Glue Laminated Straight Beam .....	41.48	7.79
06 18 13 00-0022	LF		5-1/2" x 12" Glue Laminated Straight Beam .....	47.41	8.90
06 18 13 00-0023	LF		5-1/2" x 13-1/2" Glue Laminated Straight Beam .....	53.33	10.02
06 18 13 00-0024	LF		5-1/2" x 14" Glue Laminated Straight Beam .....	55.30	10.38
06 18 13 00-0025	LF		5-1/2" x 15" Glue Laminated Straight Beam .....	59.25	11.13
06 18 13 00-0026	LF		5-1/2" x 16" Glue Laminated Straight Beam .....	63.19	11.86
06 18 13 00-0027	LF		5-1/2" x 16-1/2" Glue Laminated Straight Beam .....	65.19	12.24
06 18 13 00-0028	LF		5-1/2" x 18" Glue Laminated Straight Beam .....	71.11	13.35
06 18 13 00-0029	LF		5-1/2" x 19-1/2" Glue Laminated Straight Beam .....	77.03	14.46
06 18 13 00-0030	LF		5-1/2" x 21" Glue Laminated Straight Beam .....	82.96	15.57
06 18 13 00-0031	LF		5-1/2" x 22.5" Glue Laminated Straight Beam .....	88.89	16.70
06 18 13 00-0032	LF		5-1/2" x 24" Glue Laminated Straight Beam .....	94.82	17.80
06 18 13 00-0033	LF		6-3/4" x 9" Glue Laminated Straight Beam .....	43.65	8.19
06 18 13 00-0034	LF		6-3/4" x 9-1/2" Glue Laminated Straight Beam .....	46.05	8.65
06 18 13 00-0035	LF		6-3/4" x 10-1/2" Glue Laminated Straight Beam .....	50.90	9.56
06 18 13 00-0036	LF		6-3/4" x 12" Glue Laminated Straight Beam .....	58.18	10.92
06 18 13 00-0037	LF		6-3/4" x 13-1/2" Glue Laminated Straight Beam .....	65.47	12.29
06 18 13 00-0038	LF		6-3/4" x 14" Glue Laminated Straight Beam .....	67.87	12.74
06 18 13 00-0039	LF		6-3/4" x 15" Glue Laminated Straight Beam .....	72.71	13.66
06 18 13 00-0040	LF		6-3/4" x 16" Glue Laminated Straight Beam .....	77.56	14.56

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 18 Glued-Laminated Construction**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam.....	80.01	15.02
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam.....	87.25	16.39
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam.....	94.54	17.76
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam.....	101.81	19.11
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam.....	109.07	20.48
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam.....	116.35	21.85
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam.....	56.58	10.62
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam.....	59.70	11.21
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam.....	65.99	12.39
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam.....	75.40	14.15
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam.....	84.85	15.93
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam.....	87.97	16.52
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam.....	94.26	17.70
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam.....	100.53	18.88
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam.....	103.70	19.46
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam.....	113.12	21.23
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam.....	122.56	23.00
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam.....	131.97	24.78
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam.....	141.39	26.55
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam.....	150.83	28.32

**06 18 13 00-0061 Glue Laminated Decking** (06 18 13)

06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking .....	7.63	1.80
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking .....	7.71	1.80
06 18 13 00-0064	LF	2" - 4" Thick x 8" Wide Glue Laminated Decking .....	7.74	1.70

**06 18 16 Glued-Laminated Columns** (06 18)**06 18 16 00-0001 Glue Laminated Structural Units** (06 18 16)

Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.

06 18 16 00-0002	LF	3-1/4" x 7-1/2" Glue Laminated Purlin Or Column.....	24.47	3.70
06 18 16 00-0003	LF	3-1/4" x 9-1/4" Glue Laminated Purlin Or Column.....	27.62	4.11
06 18 16 00-0004	LF	5-1/4" x 9-1/4" Glue Laminated Purlin Or Column.....	50.13	8.77
06 18 16 00-0005	LF	5-1/4" x 13" Glue Laminated Purlin Or Column.....	55.79	9.19

**06 20 Finish Carpentry** (06)**06 22 Millwork** (06 20)**06 22 13 Standard Pattern Wood Trim** (06 22)**06 22 13 00-0001 Pine Moldings (All Dimensions Are Nominal)** (06 22 13)

06 22 13 00-0002	LF	1/4" x 1-1/4" Wood Lattice Strip.....	2.92	1.05
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.39	
06 22 13 00-0003	LF	1/4" x 1-5/8" Wood Lattice Strip.....	3.06	0.84
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.39	
06 22 13 00-0004	LF	1/4" x 2-1/2" Wood Lattice Strip.....	3.87	0.84
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.39	
06 22 13 00-0005	LF	1/4" x 3-1/2" Wood Lattice Strip.....	4.34	0.84
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.39	

**06 22 13 00-0006 Ceilings (All Dimensions Are Nominal)** (06 22 13)**06 22 13 00-0007 White Pine** (06 22 13 00-0006)

06 22 13 00-0008	LF	9/16" x 3-5/8" White Pine Crown Or Bed Molding .....	13.62	3.67
		<i>For Birch, Add</i>	3.02	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	4.30	
		<i>For Poplar, Add</i>	1.68	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.21	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	1.09	
06 22 13 00-0009	LF	1 1/16" x 4-5/8" White Pine Crown Or Bed Molding .....	18.25	4.40
		<i>For Birch, Add</i>	4.31	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	6.01	
		<i>For Poplar, Add</i>	2.39	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.45	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	1.55	
06 22 13 00-0010	LF	3/4" x 3/4" White Pine Crown Or Bed Molding .....	6.68	2.52
		<i>For Birch, Add</i>	0.90	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.54	
		<i>For Poplar, Add</i>	0.50	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.96	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.32	
06 22 13 00-0011	LF	9/16" x 1-5/8" White Pine Crown Or Bed Molding .....	7.59	2.52
		<i>For Birch, Add</i>	1.22	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.95	
		<i>For Poplar, Add</i>	0.68	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.96	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0012	LF		9/16" x 2-1/4" White Pine Crown Or Bed Molding ..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i> <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i>	9.96 1.70 2.65 0.94 1.21 0.61	3.14
06 22 13 00-0013	LF		3/4" x 3-1/2" White Pine Crown Or Bed Molding ..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i> <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i>	11.45 2.24 3.32 1.24 1.21 0.81	3.14
06 22 13 00-0014	LF		5/8" x 4-1/4" White Pine Crown Or Bed Molding ..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i> <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i>	14.23 2.86 4.20 1.59 1.45 1.03	3.78
06 22 13 00-0015	LF		1" x 2" White Pine Dentil Molding ..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i> <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i>	6.92 0.98 1.65 0.55 0.96 0.35	2.93
06 22 13 00-0016	LF		9/16" x 1-3/4" White Pine Cove Molding ..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i> <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i>	5.82 0.96 1.52 0.54 0.72 0.35	2.21
06 22 13 00-0017	LF		11/16" x 2-3/4" White Pine Cove Molding ..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i> <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i>	8.69 2.00 2.81 1.11 0.72 0.72	2.21
06 22 13 00-0018	LF		3/8" x 3/8" White Pine Cove Molding ..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i> <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i>	3.46 0.46 0.79 0.25 0.50 0.17	1.26
06 22 13 00-0019	LF		1/2" x 1/2" White Pine Cove Molding ..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i> <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i>	3.78 0.57 0.93 0.32 0.50 0.21	1.26
06 22 13 00-0020	LF		5/8" x 5/8" White Pine Cove Molding ..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i> <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i>	5.02 0.86 1.34 0.48 0.60 0.31	1.57
06 22 13 00-0021	LF		3/4" x 3/4" White Pine Cove Molding ..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i> <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i>	5.02 0.86 1.34 0.48 0.60 0.31	1.57
06 22 13 00-0022	LF		15/16" x 15/16" White Pine Cove Molding ..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i> <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i>	6.47 1.39 1.99 0.77 0.60 0.50	1.57
06 22 13 00-0023	LF		7-1/2" Wide Mullion Covers ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	41.59 0.86	1.88
06 22 13 00-0024	LF		Three Piece Mullion Trim, 2 Cove Moldings ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	52.61 0.86	1.88
06 22 13 00-0025	LF		2-1/2" - 3-1/2" Staff Molding ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.52 0.50	1.05
06 22 13 00-0026	LF		2-1/2" - 3-1/2" Cove Staff Molding ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.19 0.50	1.05
06 22 13 00-0027			<b>Cedar Trim</b> <small>(06 22 13 00-0006)</small>		
06 22 13 00-0028	LF		2" x 4" Cedar Ceiling Trim ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.70 1.75	5.28
06 22 13 00-0029			<b>Oak Trim</b> <small>(06 22 13 00-0006)</small>		
06 22 13 00-0030	LF		1" x 8" Clear Oak Ceiling Trim ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.13 1.62	4.87
06 22 13 00-0031			<b>Closet Poles</b> <small>(06 22 13)</small>		
06 22 13 00-0032	LF		1-1/8" Diameter Pine Closet Poles .....	8.44	2.73
06 22 13 00-0033	LF		1-5/8" Diameter Pine Closet Poles .....	12.34	2.73

**06 Wood, Plastics, and Composites****06 20 Finish Carpentry****06 22 Millwork**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0034	LF		2" Diameter Pine Closet Poles .....	16.77	3.04
<b>06 25 Prefinished Paneling (06 20)</b>					
<b>06 25 16 Prefinished Plywood Paneling (06 25)</b>					
06 25 16 00-0001			<b>Hardboard Panels (06 25 16)</b> Note: Excludes furring and trim.		
06 25 16 00-0002			<b>Tempered Hardboard Panels (06 25 16 00-0001)</b>		
06 25 16 00-0003	SF		1/4" Tempered Hardboard Panels.....	5.28	1.90
			For Waterproof Glue, Add	0.07	
			For Ceiling Installation, Add	1.30	
			For Glue Laminated Installation, Add	0.26	
			For 1/8" Thick Paneling, Deduct	-0.46	
			For 1/2" Thick Paneling, Add	1.04	
			For 5/8" Thick Paneling, Add	1.24	
			For 3/4" Thick Paneling, Add	1.50	
			For Fire Retardant Treatment (Class I), Add	0.76	
06 25 16 00-0004	SF		1/4" Plastic Faced Tempered Hardboard Panels .....	5.95	2.33
			For Waterproof Glue, Add	0.06	
			For Ceiling Installation, Add	1.52	
			For Glue Laminated Installation, Add	0.30	
			For 1/8" Thick Paneling, Deduct	-0.50	
			For 1/2" Thick Paneling, Add	1.08	
			For 5/8" Thick Paneling, Add	1.27	
			For 3/4" Thick Paneling, Add	1.51	
			For Fire Retardant Treatment (Class I), Add	0.70	
06 25 16 00-0005	SF		1/4" Pegboard Tempered Hardboard Panels .....	5.93	1.90
			For Waterproof Glue, Add	0.11	
			For Ceiling Installation, Add	1.30	
			For Glue Laminated Installation, Add	0.30	
			For 1/8" Thick Paneling, Deduct	-0.57	
			For 1/2" Thick Paneling, Add	1.39	
			For 5/8" Thick Paneling, Add	1.73	
			For 3/4" Thick Paneling, Add	2.16	
			For Fire Retardant Treatment (Class I), Add	1.27	
06 25 16 00-0006	SF		1/4" Plastic Faced Pegboard Tempered Hardboard.....	6.14	2.33
			For Waterproof Glue, Add	0.07	
			For Ceiling Installation, Add	1.52	
			For Glue Laminated Installation, Add	0.31	
			For 1/8" Thick Paneling, Deduct	-0.53	
			For 1/2" Thick Paneling, Add	1.19	
			For 5/8" Thick Paneling, Add	1.41	
			For 3/4" Thick Paneling, Add	1.70	
			For Fire Retardant Treatment (Class I), Add	0.85	
06 25 16 00-0007			<b>Untempered Hardboard Panels (06 25 16 00-0001)</b>		
06 25 16 00-0008	SF		1/4" Untempered Hardboard Panels .....	5.07	1.90
			For Waterproof Glue, Add	0.05	
			For Glue Laminated Installation, Add	0.25	
			For Lumber Core, Add	0.08	
			For Fire Retardant Treatment (Class I), Add	0.59	
<b>06 40 Architectural Woodwork (06)</b>					
<b>06 41 Architectural Wood Casework (06 40)</b>					
<b>06 41 13 Wood-Veneer-Faced Architectural Cabinets (06 41)</b>					
06 41 13 00-0001			<b>Wall And Base Cabinets (06 41 13)</b> Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.		
06 41 13 00-0002			<b>Solid Maple Face Frame And Door, Wall And Base Cabinets (06 41 13 00-0001)</b>		
06 41 13 00-0003			<b>Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0002)</b>		
06 41 13 00-0004	EA		12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet .....	289.76	20.97
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	81.14	
			For All Plywood Box Construction, Add	84.57	
06 41 13 00-0005	EA		15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet .....	307.82	26.21
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	81.14	
			For All Plywood Box Construction, Add	84.57	
06 41 13 00-0006	EA		18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet .....	321.62	31.46
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	81.14	
			For All Plywood Box Construction, Add	84.57	
06 41 13 00-0007	EA		21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet .....	337.96	36.70
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	81.14	
			For All Plywood Box Construction, Add	84.57	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0008	EA		24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	382.60 81.14 84.57	41.95
06 41 13 00-0009	EA		27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	399.44 81.14 84.57	47.19
06 41 13 00-0010	EA		30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	431.15 81.14 84.57	52.43
06 41 13 00-0011	EA		33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	453.66 81.14 84.57	57.67
06 41 13 00-0012	EA		36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	467.72 81.14 84.57	62.92
06 41 13 00-0013	EA		48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	532.28 162.27 84.57	83.90
06 41 13 00-0014	EA		30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	585.17 162.27 84.57	52.43
06 41 13 00-0015	EA		36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	648.55 162.27 84.57	62.92
06 41 13 00-0016	EA		30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	613.36 243.41 84.57	52.43
06 41 13 00-0017	EA		36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	683.62 243.41 84.57	62.92
06 41 13 00-0018	EA		12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	293.89 243.41 84.57	20.97
06 41 13 00-0019	EA		15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	300.94 243.41 84.57	26.21
06 41 13 00-0020	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	327.81 243.41 84.57	31.46
06 41 13 00-0021	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	348.27 243.41 84.57	36.70
06 41 13 00-0022	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	362.66 243.41 84.57	41.95
06 41 13 00-0023	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	380.19 243.41 84.57	47.19
06 41 13 00-0024	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	611.99 243.41 84.57	52.43
06 41 13 00-0025	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	644.81 243.41 84.57	57.67
06 41 13 00-0026	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	677.43 243.41 84.57	62.92
06 41 13 00-0027	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	357.15 324.55 84.57	20.97
06 41 13 00-0028	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	364.89 324.55 84.57	26.21
06 41 13 00-0029	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	395.19 324.55 84.57	31.46

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 41 13 00-0030	EA 21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	419.78 324.55 84.57	36.70
06 41 13 00-0031	EA 24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	441.04 324.55 84.57	41.95
06 41 13 00-0032	EA 27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	462.70 324.55 84.57	47.19
06 41 13 00-0033	EA 30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	640.87 324.55 84.57	52.43
06 41 13 00-0034	EA 33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	677.13 324.55 84.57	57.67
06 41 13 00-0035	EA 36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	714.56 324.55 84.57	62.92
<b>06 41 13 00-0036</b>	<b>Wall Cabinet, 12" High, 12" Deep</b> (06 41 13 00-0002)		
06 41 13 00-0037	EA 30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	261.57 45.38	52.43
06 41 13 00-0038	EA 33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	278.21 45.38	57.67
06 41 13 00-0039	EA 36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	306.33 45.38	62.92
06 41 13 00-0040	EA 39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	325.58 45.38	68.16
<b>06 41 13 00-0041</b>	<b>Wall Cabinets, 14" High, 12" Deep</b> (06 41 13 00-0002)		
06 41 13 00-0042	EA 12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	222.39 45.38	20.97
06 41 13 00-0043	EA 15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	227.93 45.38	26.21
06 41 13 00-0044	EA 18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	238.97 45.38	31.46
06 41 13 00-0045	EA 21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	245.18 45.38	36.70
06 41 13 00-0046	EA 24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	252.10 45.38	41.95
06 41 13 00-0047	EA 30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	263.81 45.38	52.43
06 41 13 00-0048	EA 33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	281.74 45.38	57.67
06 41 13 00-0049	EA 36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	306.33 45.38	62.92
06 41 13 00-0050	EA 39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	325.58 45.38	68.16
<b>06 41 13 00-0051</b>	<b>Wall Cabinets, 18" High, 12" Deep</b> (06 41 13 00-0002)		
06 41 13 00-0052	EA 12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	230.64 45.38	20.97
06 41 13 00-0053	EA 15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	242.37 45.38	26.21
06 41 13 00-0054	EA 18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	251.34 45.38	31.46
06 41 13 00-0055	EA 21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	261.00 45.38	36.70
06 41 13 00-0056	EA 24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	274.10 45.38	41.95
06 41 13 00-0057	EA 27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	288.89 45.38	47.22
06 41 13 00-0058	EA 30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	302.32 45.38	52.43
06 41 13 00-0059	EA 33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	313.37 45.38	57.67
06 41 13 00-0060	EA 36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	320.08 45.38	62.92
<b>06 41 13 00-0061</b>	<b>Wall Cabinets, 30" High, 12" Deep</b> (06 41 13 00-0002)		
06 41 13 00-0062	EA 12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	253.67 45.38	20.97
06 41 13 00-0063	EA 15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	275.06 45.38	26.21
06 41 13 00-0064	EA 18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	292.76 45.38	31.46
06 41 13 00-0065	EA 21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	313.86 45.38	36.70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0066	EA		24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	334.32 45.38	41.95
06 41 13 00-0067	EA		27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	364.92 45.38	47.22
06 41 13 00-0068	EA		30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	373.53 45.38	52.43
06 41 13 00-0069	EA		33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	406.05 45.38	57.67
06 41 13 00-0070	EA		36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	417.92 45.38	62.92
<b>06 41 13 00-0071 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0002)</b>					
06 41 13 00-0072	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	283.24 45.38	20.97
06 41 13 00-0073	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	306.01 45.38	26.21
06 41 13 00-0074	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	325.76 45.38	31.46
06 41 13 00-0075	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	348.24 45.38	36.70
06 41 13 00-0076	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	405.14 45.38	41.95
06 41 13 00-0077	EA		27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	407.55 45.38	47.22
06 41 13 00-0078	EA		30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	421.66 45.38	52.43
06 41 13 00-0079	EA		33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	459.68 45.38	57.67
06 41 13 00-0080	EA		36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	471.56 45.38	62.92
<b>06 41 13 00-0081 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0002)</b>					
06 41 13 00-0082	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	314.18 45.38	20.97
06 41 13 00-0083	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	341.76 45.38	26.21
06 41 13 00-0084	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	362.89 45.38	31.46
06 41 13 00-0085	EA		21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	384.68 45.38	36.70
06 41 13 00-0086	EA		24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	417.52 45.38	41.95
06 41 13 00-0087	EA		27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	444.68 45.38	47.22
06 41 13 00-0088	EA		30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	467.05 45.38	52.43
06 41 13 00-0089	EA		33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	509.87 45.38	57.67
06 41 13 00-0090	EA		36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	525.19 45.38	62.92
<b>06 41 13 00-0091 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0002)</b>					
06 41 13 00-0092	EA		30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	299.82 45.38	52.43
06 41 13 00-0093	EA		33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	320.95 45.38	57.67
06 41 13 00-0094	EA		36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	343.95 45.38	62.92
06 41 13 00-0095	EA		39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	370.74 45.38	68.16
06 41 13 00-0096	EA		48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	434.75 45.38	83.90
<b>06 41 13 00-0097 Utility Cabinets, 84" High (06 41 13 00-0002)</b>					
06 41 13 00-0098	EA		15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	577.60 167.77	46.61
06 41 13 00-0099	EA		18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	651.40 167.77	55.93
06 41 13 00-0100	EA		21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	730.02 167.77	438.12
06 41 13 00-0101	EA		24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	768.07 167.77	74.58
06 41 13 00-0102	EA		30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	922.32 167.77	93.21
06 41 13 00-0103	EA		36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,058.68 167.77	111.86
06 41 13 00-0104	EA		15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	647.73 167.77	46.61
06 41 13 00-0105	EA		18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	715.35 167.77	55.93
06 41 13 00-0106	EA		21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	813.90 167.77	65.25

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0107	EA		24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	865.02 167.77	74.58
06 41 13 00-0108	EA		30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,064.65 167.77	93.21
06 41 13 00-0109	EA		36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,212.71 167.77	111.86
06 41 13 00-0110			<b>Solid Oak Face Frame And Door, Wall And Base Cabinets</b> (06 41 13 00-0001)		
06 41 13 00-0111			<b>Base Cabinets, 35" High, 23-3/4" Deep</b> (06 41 13 00-0110)		
06 41 13 00-0112	EA		12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	262.95 81.14 84.57	20.97
06 41 13 00-0113	EA		15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	278.94 81.14 84.57	26.21
06 41 13 00-0114	EA		18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	291.36 81.14 84.57	31.46
06 41 13 00-0115	EA		21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	306.33 81.14 84.57	36.70
06 41 13 00-0116	EA		24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	345.47 81.14 84.57	41.95
06 41 13 00-0117	EA		27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	360.94 81.14 84.57	47.19
06 41 13 00-0118	EA		30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	388.52 81.14 84.57	52.43
06 41 13 00-0119	EA		33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	408.96 81.14 84.57	57.67
06 41 13 00-0120	EA		36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	421.65 81.14 84.57	62.92
06 41 13 00-0121	EA		48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	479.34 162.27 84.57	83.90
06 41 13 00-0122	EA		30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	524.66 162.27 84.57	52.43
06 41 13 00-0123	EA		36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	580.48 162.27 84.57	62.92
06 41 13 00-0124	EA		30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	549.42 243.41 84.57	52.43
06 41 13 00-0125	EA		36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	611.42 243.41 84.57	62.92
06 41 13 00-0126	EA		12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	267.07 243.41 84.57	20.97
06 41 13 00-0127	EA		15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	273.44 243.41 84.57	26.21
06 41 13 00-0128	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	296.87 243.41 84.57	31.46
06 41 13 00-0129	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	315.27 243.41 84.57	36.70
06 41 13 00-0130	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	328.28 243.41 84.57	41.95
06 41 13 00-0131	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	343.75 243.41 84.57	47.19
06 41 13 00-0132	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	548.04 243.41 84.57	52.43

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0133	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	576.74	57.67
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	243.41	
			<i>For All Plywood Box Construction, Add</i>	84.57	
06 41	13 00-0134	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	605.92	62.92
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	243.41	
			<i>For All Plywood Box Construction, Add</i>	84.57	
06 41	13 00-0135	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	322.08	20.97
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	324.55	
			<i>For All Plywood Box Construction, Add</i>	84.57	
06 41	13 00-0136	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	329.82	26.21
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	324.55	
			<i>For All Plywood Box Construction, Add</i>	84.57	
06 41	13 00-0137	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	356.69	31.46
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	324.55	
			<i>For All Plywood Box Construction, Add</i>	84.57	
06 41	13 00-0138	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	378.53	36.70
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	324.55	
			<i>For All Plywood Box Construction, Add</i>	84.57	
06 41	13 00-0139	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	397.04	41.95
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	324.55	
			<i>For All Plywood Box Construction, Add</i>	84.57	
06 41	13 00-0140	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	416.63	47.19
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	324.55	
			<i>For All Plywood Box Construction, Add</i>	84.57	
06 41	13 00-0141	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	573.48	52.43
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	324.55	
			<i>For All Plywood Box Construction, Add</i>	84.57	
06 41	13 00-0142	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	605.62	57.67
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	324.55	
			<i>For All Plywood Box Construction, Add</i>	84.57	
06 41	13 00-0143	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	638.93	62.92
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	324.55	
			<i>For All Plywood Box Construction, Add</i>	84.57	
<b>06 41 13 00-0144 Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0110)</b>					
06 41	13 00-0145	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet.....	238.19	52.43
			<i>For All Plywood Box Construction, Add</i>	45.38	
06 41	13 00-0146	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet.....	252.77	57.67
			<i>For All Plywood Box Construction, Add</i>	45.38	
06 41	13 00-0147	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet.....	278.14	62.92
			<i>For All Plywood Box Construction, Add</i>	45.38	
06 41	13 00-0148	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet.....	295.33	68.16
			<i>For All Plywood Box Construction, Add</i>	45.38	
<b>06 41 13 00-0149 Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0110)</b>					
06 41	13 00-0150	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	203.14	20.97
			<i>For All Plywood Box Construction, Add</i>	45.38	
06 41	13 00-0151	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	207.99	26.21
			<i>For All Plywood Box Construction, Add</i>	45.38	
06 41	13 00-0152	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	217.65	31.46
			<i>For All Plywood Box Construction, Add</i>	45.38	
06 41	13 00-0153	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	223.87	36.70
			<i>For All Plywood Box Construction, Add</i>	45.38	
06 41	13 00-0154	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	230.09	41.95
			<i>For All Plywood Box Construction, Add</i>	45.38	
06 41	13 00-0155	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	240.43	52.43
			<i>For All Plywood Box Construction, Add</i>	45.38	
06 41	13 00-0156	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	256.30	57.67
			<i>For All Plywood Box Construction, Add</i>	45.38	
06 41	13 00-0157	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	278.14	62.92
			<i>For All Plywood Box Construction, Add</i>	45.38	
06 41	13 00-0158	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	295.33	68.16
			<i>For All Plywood Box Construction, Add</i>	45.38	
<b>06 41 13 00-0159 Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0110)</b>					
06 41	13 00-0160	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	210.01	20.97
			<i>For All Plywood Box Construction, Add</i>	45.38	
06 41	13 00-0161	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	220.37	26.21
			<i>For All Plywood Box Construction, Add</i>	45.38	
06 41	13 00-0162	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	228.65	31.46
			<i>For All Plywood Box Construction, Add</i>	45.38	
06 41	13 00-0163	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	237.62	36.70
			<i>For All Plywood Box Construction, Add</i>	45.38	
06 41	13 00-0164	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	249.35	41.95
			<i>For All Plywood Box Construction, Add</i>	45.38	
06 41	13 00-0165	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	262.76	47.22
			<i>For All Plywood Box Construction, Add</i>	45.38	
06 41	13 00-0166	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	274.13	52.43
			<i>For All Plywood Box Construction, Add</i>	45.38	
06 41	13 00-0167	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	284.49	57.67
			<i>For All Plywood Box Construction, Add</i>	45.38	
06 41	13 00-0168	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	290.51	62.92
			<i>For All Plywood Box Construction, Add</i>	45.38	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
06 41 13 00-0169		<b>Wall Cabinets, 30" High, 12" Deep</b> (06 41 13 00-0110)			
06 41 13 00-0170	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....	232.36		20.97
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0171	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....	251.69		26.21
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0172	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....	267.32		31.46
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0173	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....	285.67		36.70
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0174	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....	304.07		41.95
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0175	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	331.23		47.22
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0176	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	339.15		52.43
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0177	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	367.54		57.67
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0178	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	378.73		62.92
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0179		<b>Wall Cabinets, 36" High, 12" Deep</b> (06 41 13 00-0110)			
06 41 13 00-0180	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....	258.48		20.97
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0181	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....	278.50		26.21
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0182	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....	296.20		31.46
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0183	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....	315.92		36.70
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0184	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....	366.64		41.95
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0185	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	368.36		47.22
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0186	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	381.10		52.43
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0187	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	414.99		57.67
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0188	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	425.49		62.92
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0189		<b>Wall Cabinets, 42" High, 12" Deep</b> (06 41 13 00-0110)			
06 41 13 00-0190	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....	285.30		20.97
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0191	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....	310.13		26.21
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0192	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....	329.20		31.46
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0193	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....	348.24		36.70
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0194	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....	377.64		41.95
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0195	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	401.36		47.22
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0196	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	420.98		52.43
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0197	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	458.99		57.67
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0198	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	472.93		62.92
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0199		<b>Wall Cabinets, 12" High, 23-3/4" Deep</b> (06 41 13 00-0110)			
06 41 13 00-0200	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	273.00		52.43
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0201	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	292.07		57.67
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0202	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	312.32		62.92
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0203	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	336.36		68.16
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0204	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet .....	392.80		83.90
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0205		<b>Utility Cabinets, 84" High</b> (06 41 13 00-0110)			
06 41 13 00-0206	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet .....	528.09		46.61
		<i>For All Plywood Box Construction, Add</i>	167.77		
06 41 13 00-0207	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet .....	595.02		55.93
		<i>For All Plywood Box Construction, Add</i>	167.77		
06 41 13 00-0208	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet .....	666.07		438.12
		<i>For All Plywood Box Construction, Add</i>	167.77		
06 41 13 00-0209	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet .....	701.37		74.58
		<i>For All Plywood Box Construction, Add</i>	167.77		
06 41 13 00-0210	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet .....	838.43		93.21
		<i>For All Plywood Box Construction, Add</i>	167.77		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0211	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	960.36 167.77	111.86
06 41	13 00-0212	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	589.98 167.77	46.61
06 41	13 00-0213	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	651.40 167.77	55.93
06 41	13 00-0214	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	739.64 167.77	65.25
06 41	13 00-0215	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	786.64 167.77	74.58
06 41	13 00-0216	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	963.58 167.77	93.21
06 41	13 00-0217	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	1,095.81 167.77	111.86
06 41	13 00-0218		<b>Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets</b> (06 41 13 00-0001)		
06 41	13 00-0219		<b>Base Cabinets, 35" High, 23-3/4" Deep</b> (06 41 13 00-0218)		
06 41	13 00-0220	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	262.95 81.14 84.57	20.97
06 41	13 00-0221	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	278.94 81.14 84.57	26.21
06 41	13 00-0222	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	291.36 81.14 84.57	31.46
06 41	13 00-0223	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	306.33 81.14 84.57	36.70
06 41	13 00-0224	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	345.47 81.14 84.57	41.95
06 41	13 00-0225	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	360.94 81.14 84.57	47.19
06 41	13 00-0226	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	388.52 81.14 84.57	52.43
06 41	13 00-0227	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	408.96 81.14 84.57	57.67
06 41	13 00-0228	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	421.65 81.14 84.57	62.92
06 41	13 00-0229	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	479.34 162.27 84.57	83.90
06 41	13 00-0230	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	524.66 162.27 84.57	52.43
06 41	13 00-0231	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	580.48 162.27 84.57	62.92
06 41	13 00-0232	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	549.42 243.41 84.57	52.43
06 41	13 00-0233	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	611.42 243.41 84.57	62.92
06 41	13 00-0234	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	267.07 243.41 84.57	20.97
06 41	13 00-0235	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	273.44 243.41 84.57	26.21
06 41	13 00-0236	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	296.87 243.41 84.57	31.46

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0237	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	315.27 243.41 84.57	36.70
06 41 13 00-0238	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	328.28 243.41 84.57	41.95
06 41 13 00-0239	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	343.75 243.41 84.57	47.19
06 41 13 00-0240	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	548.04 243.41 84.57	52.43
06 41 13 00-0241	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	576.74 243.41 84.57	57.67
06 41 13 00-0242	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	605.92 243.41 84.57	62.92
06 41 13 00-0243	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	322.08 324.55 84.57	20.97
06 41 13 00-0244	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	329.82 324.55 84.57	26.21
06 41 13 00-0245	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	356.69 324.55 84.57	31.46
06 41 13 00-0246	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	378.53 324.55 84.57	36.70
06 41 13 00-0247	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	397.04 324.55 84.57	41.95
06 41 13 00-0248	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	416.63 324.55 84.57	47.19
06 41 13 00-0249	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	573.48 324.55 84.57	52.43
06 41 13 00-0250	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	605.62 324.55 84.57	57.67
06 41 13 00-0251	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	638.93 324.55 84.57	62.92
06 41 13 00-0252			<b>Wall Cabinets, 12" High, 12" Deep</b> (06 41 13 00-0218)		
06 41 13 00-0253	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	238.19 45.38	52.43
06 41 13 00-0254	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	252.77 45.38	57.67
06 41 13 00-0255	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	278.14 45.38	62.92
06 41 13 00-0256	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	295.33 45.38	68.16
06 41 13 00-0257			<b>Wall Cabinets, 14" High, 12" Deep</b> (06 41 13 00-0218)		
06 41 13 00-0258	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	203.14 45.38	20.97
06 41 13 00-0259	EA		15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	207.99 45.38	26.21
06 41 13 00-0260	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	217.65 45.38	31.46
06 41 13 00-0261	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	223.87 45.38	36.70
06 41 13 00-0262	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	230.09 45.38	41.95
06 41 13 00-0263	EA		30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	240.43 45.38	52.43
06 41 13 00-0264	EA		33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	256.30 45.38	57.67



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0265	EA		36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....278.14 <i>For All Plywood Box Construction, Add</i> 45.38	278.14	62.92
06 41 13 00-0266	EA		39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....295.33 <i>For All Plywood Box Construction, Add</i> 45.38	295.33	68.16
<b>06 41 13 00-0267</b>			<b>Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0218)</b>		
06 41 13 00-0268	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....210.01 <i>For All Plywood Box Construction, Add</i> 45.38	210.01	20.97
06 41 13 00-0269	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....220.37 <i>For All Plywood Box Construction, Add</i> 45.38	220.37	26.21
06 41 13 00-0270	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....228.65 <i>For All Plywood Box Construction, Add</i> 45.38	228.65	31.46
06 41 13 00-0271	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....237.62 <i>For All Plywood Box Construction, Add</i> 45.38	237.62	36.70
06 41 13 00-0272	EA		24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....249.35 <i>For All Plywood Box Construction, Add</i> 45.38	249.35	41.95
06 41 13 00-0273	EA		27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....262.76 <i>For All Plywood Box Construction, Add</i> 45.38	262.76	47.22
06 41 13 00-0274	EA		30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....274.13 <i>For All Plywood Box Construction, Add</i> 45.38	274.13	52.43
06 41 13 00-0275	EA		33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....284.49 <i>For All Plywood Box Construction, Add</i> 45.38	284.49	57.67
06 41 13 00-0276	EA		36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....290.51 <i>For All Plywood Box Construction, Add</i> 45.38	290.51	62.92
<b>06 41 13 00-0277</b>			<b>Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0218)</b>		
06 41 13 00-0278	EA		12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....232.36 <i>For All Plywood Box Construction, Add</i> 45.38	232.36	20.97
06 41 13 00-0279	EA		15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....251.69 <i>For All Plywood Box Construction, Add</i> 45.38	251.69	26.21
06 41 13 00-0280	EA		18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....267.32 <i>For All Plywood Box Construction, Add</i> 45.38	267.32	31.46
06 41 13 00-0281	EA		21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....285.67 <i>For All Plywood Box Construction, Add</i> 45.38	285.67	36.70
06 41 13 00-0282	EA		24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....304.07 <i>For All Plywood Box Construction, Add</i> 45.38	304.07	41.95
06 41 13 00-0283	EA		27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....331.23 <i>For All Plywood Box Construction, Add</i> 45.38	331.23	47.22
06 41 13 00-0284	EA		30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....339.15 <i>For All Plywood Box Construction, Add</i> 45.38	339.15	52.43
06 41 13 00-0285	EA		33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....367.54 <i>For All Plywood Box Construction, Add</i> 45.38	367.54	57.67
06 41 13 00-0286	EA		36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....378.73 <i>For All Plywood Box Construction, Add</i> 45.38	378.73	62.92
<b>06 41 13 00-0287</b>			<b>Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0218)</b>		
06 41 13 00-0288	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....258.48 <i>For All Plywood Box Construction, Add</i> 45.38	258.48	20.97
06 41 13 00-0289	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....278.50 <i>For All Plywood Box Construction, Add</i> 45.38	278.50	26.21
06 41 13 00-0290	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....296.20 <i>For All Plywood Box Construction, Add</i> 45.38	296.20	31.46
06 41 13 00-0291	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....315.92 <i>For All Plywood Box Construction, Add</i> 45.38	315.92	36.70
06 41 13 00-0292	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....366.64 <i>For All Plywood Box Construction, Add</i> 45.38	366.64	41.95
06 41 13 00-0293	EA		27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....368.36 <i>For All Plywood Box Construction, Add</i> 45.38	368.36	47.22
06 41 13 00-0294	EA		30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....381.10 <i>For All Plywood Box Construction, Add</i> 45.38	381.10	52.43
06 41 13 00-0295	EA		33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....414.99 <i>For All Plywood Box Construction, Add</i> 45.38	414.99	57.67
06 41 13 00-0296	EA		36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....425.49 <i>For All Plywood Box Construction, Add</i> 45.38	425.49	62.92
<b>06 41 13 00-0297</b>			<b>Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0218)</b>		
06 41 13 00-0298	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....285.30 <i>For All Plywood Box Construction, Add</i> 45.38	285.30	20.97
06 41 13 00-0299	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....310.13 <i>For All Plywood Box Construction, Add</i> 45.38	310.13	26.21
06 41 13 00-0300	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....329.20 <i>For All Plywood Box Construction, Add</i> 45.38	329.20	31.46
06 41 13 00-0301	EA		21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....348.24 <i>For All Plywood Box Construction, Add</i> 45.38	348.24	36.70
06 41 13 00-0302	EA		24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....377.64 <i>For All Plywood Box Construction, Add</i> 45.38	377.64	41.95
06 41 13 00-0303	EA		27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....401.36 <i>For All Plywood Box Construction, Add</i> 45.38	401.36	47.22
06 41 13 00-0304	EA		30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....420.98 <i>For All Plywood Box Construction, Add</i> 45.38	420.98	52.43
06 41 13 00-0305	EA		33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....458.99 <i>For All Plywood Box Construction, Add</i> 45.38	458.99	57.67

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 41 13 00-0306	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	472.93		62.92
		<i>For All Plywood Box Construction, Add</i>	45.38		
<b>06 41 13 00-0307 Wall Cabinets, 12" High, 23-3/4" Deep</b> <small>(06 41 13 00-0218)</small>					
06 41 13 00-0308	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....	273.00		52.43
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0309	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....	292.07		57.67
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0310	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....	312.32		62.92
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0311	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....	336.36		68.16
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0312	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	392.80		83.90
		<i>For All Plywood Box Construction, Add</i>	45.38		
<b>06 41 13 00-0313 Utility Cabinets, 84" High</b> <small>(06 41 13 00-0218)</small>					
06 41 13 00-0314	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	528.09		46.61
		<i>For All Plywood Box Construction, Add</i>	167.77		
06 41 13 00-0315	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	595.02		55.93
		<i>For All Plywood Box Construction, Add</i>	167.77		
06 41 13 00-0316	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	666.07		438.12
		<i>For All Plywood Box Construction, Add</i>	167.77		
06 41 13 00-0317	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	701.37		74.58
		<i>For All Plywood Box Construction, Add</i>	167.77		
06 41 13 00-0318	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....	838.43		93.21
		<i>For All Plywood Box Construction, Add</i>	167.77		
06 41 13 00-0319	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....	960.36		111.86
		<i>For All Plywood Box Construction, Add</i>	167.77		
06 41 13 00-0320	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	589.98		46.61
		<i>For All Plywood Box Construction, Add</i>	167.77		
06 41 13 00-0321	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	651.40		55.93
		<i>For All Plywood Box Construction, Add</i>	167.77		
06 41 13 00-0322	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	739.64		65.25
		<i>For All Plywood Box Construction, Add</i>	167.77		
06 41 13 00-0323	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	786.64		74.58
		<i>For All Plywood Box Construction, Add</i>	167.77		
06 41 13 00-0324	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....	963.58		93.21
		<i>For All Plywood Box Construction, Add</i>	167.77		
06 41 13 00-0325	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....	1,095.81		111.86
		<i>For All Plywood Box Construction, Add</i>	167.77		
<b>06 41 13 00-0326 Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets</b> <small>(06 41 13 00-0001)</small>					
<b>06 41 13 00-0327 Base Cabinets, 35" High, 23-3/4" Deep</b> <small>(06 41 13 00-0326)</small>					
06 41 13 00-0328	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet.....	262.95		20.97
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	81.14		
		<i>For All Plywood Box Construction, Add</i>	84.57		
06 41 13 00-0329	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet.....	278.94		26.21
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	81.14		
		<i>For All Plywood Box Construction, Add</i>	84.57		
06 41 13 00-0330	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet.....	291.36		31.46
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	81.14		
		<i>For All Plywood Box Construction, Add</i>	84.57		
06 41 13 00-0331	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet.....	306.33		36.70
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	81.14		
		<i>For All Plywood Box Construction, Add</i>	84.57		
06 41 13 00-0332	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet.....	345.47		41.95
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	81.14		
		<i>For All Plywood Box Construction, Add</i>	84.57		
06 41 13 00-0333	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet.....	360.94		47.19
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	81.14		
		<i>For All Plywood Box Construction, Add</i>	84.57		
06 41 13 00-0334	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet.....	388.52		52.43
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	81.14		
		<i>For All Plywood Box Construction, Add</i>	84.57		
06 41 13 00-0335	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet.....	408.96		57.67
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	81.14		
		<i>For All Plywood Box Construction, Add</i>	84.57		
06 41 13 00-0336	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet.....	421.65		62.92
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	81.14		
		<i>For All Plywood Box Construction, Add</i>	84.57		
06 41 13 00-0337	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet.....	479.34		83.90
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	162.27		
		<i>For All Plywood Box Construction, Add</i>	84.57		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0338	EA		30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	524.66 162.27 84.57	52.43
06 41 13 00-0339	EA		36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	580.48 162.27 84.57	62.92
06 41 13 00-0340	EA		30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	549.42 243.41 84.57	52.43
06 41 13 00-0341	EA		36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	611.42 243.41 84.57	62.92
06 41 13 00-0342	EA		12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	267.07 243.41 84.57	20.97
06 41 13 00-0343	EA		15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	273.44 243.41 84.57	26.21
06 41 13 00-0344	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	296.87 243.41 84.57	31.46
06 41 13 00-0345	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	315.27 243.41 84.57	36.70
06 41 13 00-0346	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	328.28 243.41 84.57	41.95
06 41 13 00-0347	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	343.75 243.41 84.57	47.19
06 41 13 00-0348	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	548.04 243.41 84.57	52.43
06 41 13 00-0349	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	576.74 243.41 84.57	57.67
06 41 13 00-0350	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	605.92 243.41 84.57	62.92
06 41 13 00-0351	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	322.08 324.55 84.57	20.97
06 41 13 00-0352	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	329.82 324.55 84.57	26.21
06 41 13 00-0353	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	356.69 324.55 84.57	31.46
06 41 13 00-0354	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	378.53 324.55 84.57	36.70
06 41 13 00-0355	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	397.04 324.55 84.57	41.95
06 41 13 00-0356	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	416.63 324.55 84.57	47.19
06 41 13 00-0357	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	573.48 324.55 84.57	52.43
06 41 13 00-0358	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	605.62 324.55 84.57	57.67
06 41 13 00-0359	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	638.93 324.55 84.57	62.92

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
06 41 13 00-0360		Wall Cabinets, 12" High, 12" Deep <small>(06 41 13 00-0326)</small>			
06 41 13 00-0361	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	238.19		52.43
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0362	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	252.77		57.67
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0363	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	278.14		62.92
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0364	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	295.33		68.16
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0365		Wall Cabinets, 14" High, 12" Deep <small>(06 41 13 00-0326)</small>			
06 41 13 00-0366	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	203.14		20.97
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0367	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	207.99		26.21
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0368	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	217.65		31.46
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0369	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	223.87		36.70
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0370	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	230.09		41.95
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0371	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	240.43		52.43
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0372	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	256.30		57.67
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0373	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	278.14		62.92
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0374	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	295.33		68.16
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0375		Wall Cabinets, 18" High, 12" Deep <small>(06 41 13 00-0326)</small>			
06 41 13 00-0376	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	210.01		20.97
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0377	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	220.37		26.21
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0378	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	228.65		31.46
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0379	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	237.62		36.70
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0380	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	249.35		41.95
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0381	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	262.76		47.22
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0382	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	274.13		52.43
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0383	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	284.49		57.67
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0384	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	290.51		62.92
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0385		Wall Cabinets, 30" High, 12" Deep <small>(06 41 13 00-0326)</small>			
06 41 13 00-0386	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	232.36		20.97
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0387	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	251.69		26.21
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0388	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	267.32		31.46
		<i>For All Plywood Box Construction, Add</i>	45.38		
06 41 13 00-0389	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	285.67		36.70
		<i>For All Plywood Box Construction, Add</i>	45.38		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0390	EA		24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	304.07 45.38	41.95
06 41 13 00-0391	EA		27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	331.23 45.38	47.22
06 41 13 00-0392	EA		30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	339.15 45.38	52.43
06 41 13 00-0393	EA		33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	367.54 45.38	57.67
06 41 13 00-0394	EA		36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	378.73 45.38	62.92
<b>06 41 13 00-0395 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0326)</b>					
06 41 13 00-0396	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	258.48 45.38	20.97
06 41 13 00-0397	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	278.50 45.38	26.21
06 41 13 00-0398	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	296.20 45.38	31.46
06 41 13 00-0399	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	315.92 45.38	36.70
06 41 13 00-0400	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	366.64 45.38	41.95
06 41 13 00-0401	EA		27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	368.36 45.38	47.22
06 41 13 00-0402	EA		30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	381.10 45.38	52.43
06 41 13 00-0403	EA		33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	414.99 45.38	57.67
06 41 13 00-0404	EA		36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	425.49 45.38	62.92
<b>06 41 13 00-0405 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0326)</b>					
06 41 13 00-0406	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	285.30 45.38	20.97
06 41 13 00-0407	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	310.13 45.38	26.21
06 41 13 00-0408	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	329.20 45.38	31.46
06 41 13 00-0409	EA		21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	348.24 45.38	36.70
06 41 13 00-0410	EA		24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	377.64 45.38	41.95
06 41 13 00-0411	EA		27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	401.36 45.38	47.22
06 41 13 00-0412	EA		30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	420.98 45.38	52.43
06 41 13 00-0413	EA		33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	458.99 45.38	57.67
06 41 13 00-0414	EA		36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	472.93 45.38	62.92
<b>06 41 13 00-0415 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0326)</b>					
06 41 13 00-0416	EA		30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	273.00 45.38	52.43
06 41 13 00-0417	EA		33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	292.07 45.38	57.67
06 41 13 00-0418	EA		36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	312.32 45.38	62.92

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 41 13 00-0419	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	.....	336.36	68.16
		<i>For All Plywood Box Construction, Add</i>		45.38	
06 41 13 00-0420	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	.....	392.80	83.90
		<i>For All Plywood Box Construction, Add</i>		45.38	
<b>06 41 13 00-0421 Utility Cabinets, 84" High</b> <small>(06 41 13 00-0326)</small>					
06 41 13 00-0422	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	.....	528.09	46.61
		<i>For All Plywood Box Construction, Add</i>		167.77	
06 41 13 00-0423	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	.....	595.02	55.93
		<i>For All Plywood Box Construction, Add</i>		167.77	
06 41 13 00-0424	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	.....	666.07	438.12
		<i>For All Plywood Box Construction, Add</i>		167.77	
06 41 13 00-0425	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	.....	701.37	74.58
		<i>For All Plywood Box Construction, Add</i>		167.77	
06 41 13 00-0426	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	.....	838.43	93.21
		<i>For All Plywood Box Construction, Add</i>		167.77	
06 41 13 00-0427	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	.....	960.36	111.86
		<i>For All Plywood Box Construction, Add</i>		167.77	
06 41 13 00-0428	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	.....	589.98	46.61
		<i>For All Plywood Box Construction, Add</i>		167.77	
06 41 13 00-0429	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	.....	651.40	55.93
		<i>For All Plywood Box Construction, Add</i>		167.77	
06 41 13 00-0430	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	.....	739.64	65.25
		<i>For All Plywood Box Construction, Add</i>		167.77	
06 41 13 00-0431	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	.....	786.64	74.58
		<i>For All Plywood Box Construction, Add</i>		167.77	
06 41 13 00-0432	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	.....	963.58	93.21
		<i>For All Plywood Box Construction, Add</i>		167.77	
06 41 13 00-0433	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	.....	1,095.81	111.86
		<i>For All Plywood Box Construction, Add</i>		167.77	
<b>06 41 13 00-0434 Removal And Reinstallation Of Cabinet Or Counters</b> <small>(06 41 13)</small>					
Note: Includes storage, cleaning and supply materials. Any height or width.					
06 41 13 00-0435	LF	Removal And Reinstallation Of Wood Base Cabinets	.....	80.23	
06 41 13 00-0436	LF	Removal And Reinstallation Of Wall Cabinets	.....	69.77	
06 41 13 00-0437	LF	Removal And Reinstallation Of Plastic Laminated Countertops	.....	16.16	
<b>06 41 93 Cabinet and Drawer Hardware</b> <small>(06 41)</small>					
<b>06 41 93 00-0001 Cabinet Hardware</b> <small>(06 41 93)</small>					
Note: Includes all finishes, and mounting screws.					
06 41 93 00-0002	EA	4" To 6" Long, 1/2" Diameter, Cabinet Bar Pull	.....	25.10	8.92
06 41 93 00-0003	EA	7" To 9" Long, 1/2" Diameter, Cabinet Bar Pull	.....	25.87	8.92
06 41 93 00-0004	EA	10" To 12" Long, 1/2" Diameter, Cabinet Bar Pull	.....	27.21	8.92
06 41 93 00-0005	EA	3" To 4-1/2", Flat Cabinet Pull Handle	.....	28.71	8.92
06 41 93 00-0006	EA	5" To 6-1/2", Flat Cabinet Pull Handle	.....	29.48	8.92
06 41 93 00-0007	EA	7" To 8-1/2", Flat Cabinet Pull Handle	.....	37.74	8.92
06 41 93 00-0008	EA	12" To 12-1/2", Flat Cabinet Pull Handle	.....	71.94	8.92
06 41 93 00-0009	EA	1-7/16" Diameter, Mushroom Cabinet Pull Knobs	.....	19.54	6.82
06 41 93 00-0010	EA	3-7/16" x 1-5/8" x 1" Projection, Cabinet Cup Pull	.....	19.40	6.82
06 41 93 00-0011	EA	1-1/4" Long, Finger Cabinet Pull	.....	26.40	7.87
06 41 93 00-0012	EA	3" Long, Finger Cabinet Pull	.....	30.00	7.87
06 41 93 00-0013	EA	4" Long, Finger Cabinet Pull	.....	32.46	7.87
06 41 93 00-0014	EA	6" Long, Finger Cabinet Pull	.....	35.82	7.87
06 41 93 00-0015	EA	12" Long, Finger Cabinet Pull	.....	51.43	7.87
06 41 93 00-0016	EA	Cabinet Spring Loaded Adjustable Barrel Ball Catch	.....	38.06	10.49
06 41 93 00-0017	EA	Cabinet Surface Mounted Square or Matchbook Latch	.....	55.84	10.49
06 41 93 00-0018	EA	Cabinet Door or Drawer Mortised Lock With 2 Keys	.....	135.94	15.74
06 41 93 00-0019	EA	Cabinet Door or Drawer Bored Lock with 2 Keys	.....	50.39	8.92
06 41 93 00-0020	EA	Cabinet Surface Mounted Slide or Barrel Bolt Latch	.....	34.07	8.92
06 41 93 00-0021	EA	Cabinet Door or Drawer Bored 4-Pin, Cam Lock With 2 Keys	.....	84.19	

**06 42 Wood Paneling** (06 40)

Note: Includes glue for installation.

**06 42 13 Wood Board Paneling** (06 42)**06 42 13 00-0001 Solid Wood Paneling** (06 42 13)**06 42 13 00-0002 7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide** (06 42 13 00-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 13 00-0003	SF		Homestead Cedar Paneling Tongue And Groove, 7/16".....	12.85	2.21
06 42 13 00-0004	SF		Homestead Juniper Paneling Tongue And Groove, 7/16".....	13.66	2.21
<b>06 42 13 00-0005</b>			<b>7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide (06 42 13 00-0001)</b>		
06 42 13 00-0006	SF		8" Random Plank Tongue And Groove, 7/16".....	11.35	2.09
06 42 13 00-0007	SF		8" Solid Plank Tongue And Groove, 7/16".....	10.55	2.09
<b>06 42 13 00-0008</b>			<b>1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide (06 42 13 00-0001)</b>		
06 42 13 00-0009	SF		Alder Wood Tongue And Groove Paneling, 1/2".....	15.30	2.21
<b>06 42 13 00-0010</b>			<b>1" Solid Wood Paneling, Shiplap, 6" To 8" Wide (06 42 13 00-0001)</b>		
06 42 13 00-0011	SF		1" Terebo (Driftwood) Wood Shiplap.....	9.28	1.88
<b>06 42 16</b>			<b>Flush Wood Paneling (06 42)</b>		
<b>06 42 16 00-0001</b>			<b>Veneer Hardboard Panels (06 42 16)</b>		
06 42 16 00-0002	SF		1/4" Maple Veneer Paneling.....	5.83	1.90
			For Waterproof Glue, Add	0.11	
			For Ceiling Installation, Add	1.30	
<b>06 42 16 00-0003</b>			<b>Plywood Unfinished With Trim 1/4" Thick (06 42 16)</b>		
<b>06 42 16 00-0004</b>			<b>Birch (06 42 16 00-0003)</b>		
06 42 16 00-0005	SF		1/4" Unfinished Birch Plywood, Natural Faced With Trim.....	8.08	1.69
			For Waterproof Glue, Add	0.30	
			For Ceiling Installation, Add	1.14	
			For Installation On Metal Studs Or Furring, Add	0.42	
			For Glue Laminated Installation, Add	0.40	
			For Lumber Core, Add	0.47	
			For 1/8" Thick Paneling, Deduct	-0.98	
			For 1/2" Thick Paneling, Add	2.77	
			For 5/8" Thick Paneling, Add	3.67	
			For 3/4" Thick Paneling, Add	4.82	
			For Fire Retardant Treatment (Class I), Add	3.38	
06 42 16 00-0006	SF		1/4" Unfinished Birch Plywood, Select With Trim.....	8.38	1.69
			For Waterproof Glue, Add	0.32	
			For Ceiling Installation, Add	1.14	
			For Installation On Metal Studs Or Furring, Add	0.42	
			For Glue Laminated Installation, Add	0.42	
			For Lumber Core, Add	0.50	
			For 1/8" Thick Paneling, Deduct	-1.03	
			For 1/2" Thick Paneling, Add	2.93	
			For 5/8" Thick Paneling, Add	3.89	
			For 3/4" Thick Paneling, Add	5.13	
			For Fire Retardant Treatment (Class I), Add	3.62	
<b>06 42 16 00-0007</b>			<b>Knotty Pine (06 42 16 00-0003)</b>		
06 42 16 00-0008	SF		1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim.....	9.87	1.90
			For Waterproof Glue, Add	0.39	
			For Ceiling Installation, Add	1.27	
			For Installation On Metal Studs Or Furring, Add	0.47	
			For Glue Laminated Installation, Add	0.49	
			For Lumber Core, Add	0.62	
			For 1/8" Thick Paneling, Deduct	-1.24	
			For 1/2" Thick Paneling, Add	3.55	
			For 5/8" Thick Paneling, Add	4.74	
			For 3/4" Thick Paneling, Add	6.26	
			For Fire Retardant Treatment (Class I), Add	4.46	
06 42 16 00-0009	SF		1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim.....	9.62	1.90
			For Waterproof Glue, Add	0.38	
			For Ceiling Installation, Add	1.27	
			For Installation On Metal Studs Or Furring, Add	0.47	
			For Glue Laminated Installation, Add	0.48	
			For Lumber Core, Add	0.59	
			For 1/8" Thick Paneling, Deduct	-1.20	
			For 1/2" Thick Paneling, Add	3.42	
			For 5/8" Thick Paneling, Add	4.55	
			For 3/4" Thick Paneling, Add	6.01	
			For Fire Retardant Treatment (Class I), Add	4.26	
<b>06 42 16 00-0010</b>			<b>Cedar (Aromatic - Closet Lining) (06 42 16 00-0003)</b>		

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 42 Wood Paneling**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 42 16 00-0011	SF 1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining .....	8.35	2.12
	For Waterproof Glue, Add	0.25	
	For Ceiling Installation, Add	1.43	
	For Installation On Metal Studs Or Furring, Add	0.52	
	For Glue Laminated Installation, Add	0.42	
	For Lumber Core, Add	0.40	
	For 1/8" Thick Paneling, Deduct	-0.93	
	For 1/2" Thick Paneling, Add	2.51	
	For 5/8" Thick Paneling, Add	3.27	
	For 3/4" Thick Paneling, Add	4.24	
	For Fire Retardant Treatment (Class I), Add	2.84	
06 42 16 00-0012	SF 1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining .....	5.54	2.12
	For Waterproof Glue, Add	0.06	
	For Ceiling Installation, Add	1.43	
	For Installation On Metal Studs Or Furring, Add	0.52	
	For Glue Laminated Installation, Add	0.28	
	For Lumber Core, Add	0.09	
	For 1/8" Thick Paneling, Deduct	-0.46	
	For 1/2" Thick Paneling, Add	1.00	
	For 5/8" Thick Paneling, Add	1.16	
	For 3/4" Thick Paneling, Add	1.38	
	For Fire Retardant Treatment (Class I), Add	0.62	
06 42 16 00-0013	<b>Top Grade Plywood Prefinished With Trim 1/4" Thick</b> (06 42 16)		
06 42 16 00-0014	SF 1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim .....	9.01	1.90
	For Flitch Matched Veneer, Add	2.39	
	For Second Grade Veneer, Deduct	-0.48	
	For Third Grade Veneer, Deduct	-0.72	
	For Waterproof Glue, Add	0.33	
	For Ceiling Installation, Add	1.27	
	For Installation On Metal Studs Or Furring, Add	0.47	
	For Glue Laminated Installation, Add	0.45	
	For Lumber Core, Add	0.53	
	For 1/8" Thick Paneling, Deduct	-1.09	
	For 1/2" Thick Paneling, Add	3.09	
	For 5/8" Thick Paneling, Add	4.09	
	For 3/4" Thick Paneling, Add	5.38	
	For Fire Retardant Treatment (Class I), Add	3.78	
06 42 16 00-0015	SF 1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim .....	11.14	1.90
	For Flitch Matched Veneer, Add	3.46	
	For Second Grade Veneer, Deduct	-0.69	
	For Third Grade Veneer, Deduct	-1.04	
	For Waterproof Glue, Add	0.48	
	For Ceiling Installation, Add	1.27	
	For Installation On Metal Studs Or Furring, Add	0.47	
	For Glue Laminated Installation, Add	0.56	
	For Lumber Core, Add	0.76	
	For 1/8" Thick Paneling, Deduct	-1.45	
	For 1/2" Thick Paneling, Add	4.24	
	For 5/8" Thick Paneling, Add	5.69	
	For 3/4" Thick Paneling, Add	7.56	
	For Fire Retardant Treatment (Class I), Add	5.46	
06 42 16 00-0016	SF 1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim .....	19.89	1.90
	For Flitch Matched Veneer, Add	7.42	
	For Second Grade Veneer, Deduct	-1.48	
	For Third Grade Veneer, Deduct	-2.23	
	For Waterproof Glue, Add	1.04	
	For Ceiling Installation, Add	1.52	
	For Installation On Metal Studs Or Furring, Add	0.56	
	For Glue Laminated Installation, Add	0.99	
	For Lumber Core, Add	1.63	
	For 1/8" Thick Paneling, Deduct	-2.83	
	For 1/2" Thick Paneling, Add	8.62	
	For 5/8" Thick Paneling, Add	11.74	
	For 3/4" Thick Paneling, Add	15.74	
	For Fire Retardant Treatment (Class I), Add	11.72	
06 42 16 00-0017	SF 1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim .....	6.95	1.90
	For Flitch Matched Veneer, Add	1.58	
	For Second Grade Veneer, Deduct	-0.32	
	For Third Grade Veneer, Deduct	-0.47	
	For Waterproof Glue, Add	0.22	
	For Ceiling Installation, Add	1.14	
	For Installation On Metal Studs Or Furring, Add	0.42	
	For Glue Laminated Installation, Add	0.35	
	For Lumber Core, Add	0.35	
	For 1/8" Thick Paneling, Deduct	-0.79	
	For 1/2" Thick Paneling, Add	2.16	
	For 5/8" Thick Paneling, Add	2.82	
	For 3/4" Thick Paneling, Add	3.68	
	For Fire Retardant Treatment (Class I), Add	2.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0018	SF		1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim.....	16.69	1.90
			For Flitch Matched Veneer, Add	5.97	
			For Second Grade Veneer, Deduct	-1.19	
			For Third Grade Veneer, Deduct	-1.79	
			For Waterproof Glue, Add	0.84	
			For Ceiling Installation, Add	1.43	
			For Installation On Metal Studs Or Furring, Add	0.52	
			For Glue Laminated Installation, Add	0.83	
			For Lumber Core, Add	1.31	
			For 1/8" Thick Paneling, Deduct	-2.33	
			For 1/2" Thick Paneling, Add	7.02	
			For 5/8" Thick Paneling, Add	9.53	
			For 3/4" Thick Paneling, Add	12.75	
			For Fire Retardant Treatment (Class I), Add	9.43	
06 42 16 00-0019	SF		1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim .....	9.52	1.90
			For Flitch Matched Veneer, Add	2.65	
			For Second Grade Veneer, Deduct	-0.53	
			For Third Grade Veneer, Deduct	-0.79	
			For Waterproof Glue, Add	0.37	
			For Ceiling Installation, Add	1.27	
			For Installation On Metal Studs Or Furring, Add	0.47	
			For Glue Laminated Installation, Add	0.48	
			For Lumber Core, Add	0.58	
			For 1/8" Thick Paneling, Deduct	-1.18	
			For 1/2" Thick Paneling, Add	3.36	
			For 5/8" Thick Paneling, Add	4.48	
			For 3/4" Thick Paneling, Add	5.90	
			For Fire Retardant Treatment (Class I), Add	4.18	
06 42 16 00-0020	SF		1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim .....	11.74	1.90
			For Flitch Matched Veneer, Add	3.50	
			For Second Grade Veneer, Deduct	-0.70	
			For Third Grade Veneer, Deduct	-1.05	
			For Waterproof Glue, Add	0.49	
			For Ceiling Installation, Add	1.43	
			For Installation On Metal Studs Or Furring, Add	0.52	
			For Glue Laminated Installation, Add	0.59	
			For Lumber Core, Add	0.77	
			For 1/8" Thick Paneling, Deduct	-1.50	
			For 1/2" Thick Paneling, Add	4.34	
			For 5/8" Thick Paneling, Add	5.81	
			For 3/4" Thick Paneling, Add	7.70	
			For Fire Retardant Treatment (Class I), Add	5.52	
06 42 16 00-0021	SF		1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim.....	22.86	1.90
			For Flitch Matched Veneer, Add	8.46	
			For Second Grade Veneer, Deduct	-1.69	
			For Third Grade Veneer, Deduct	-2.54	
			For Waterproof Glue, Add	1.18	
			For Ceiling Installation, Add	1.78	
			For Installation On Metal Studs Or Furring, Add	0.65	
			For Glue Laminated Installation, Add	1.14	
			For Lumber Core, Add	1.86	
			For 1/8" Thick Paneling, Deduct	-3.24	
			For 1/2" Thick Paneling, Add	9.85	
			For 5/8" Thick Paneling, Add	13.40	
			For 3/4" Thick Paneling, Add	17.97	
			For Fire Retardant Treatment (Class I), Add	13.37	
06 42 16 00-0022	SF		1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim .....	16.67	1.90
			For Flitch Matched Veneer, Add	5.96	
			For Second Grade Veneer, Deduct	-1.19	
			For Third Grade Veneer, Deduct	-1.79	
			For Waterproof Glue, Add	0.83	
			For Ceiling Installation, Add	1.43	
			For Installation On Metal Studs Or Furring, Add	0.52	
			For Glue Laminated Installation, Add	0.83	
			For Lumber Core, Add	1.31	
			For 1/8" Thick Paneling, Deduct	-2.32	
			For 1/2" Thick Paneling, Add	7.01	
			For 5/8" Thick Paneling, Add	9.51	
			For 3/4" Thick Paneling, Add	12.73	
			For Fire Retardant Treatment (Class I), Add	9.42	
06 42 16 00-0023	SF		1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim .....	14.38	1.90
			For Flitch Matched Veneer, Add	5.08	
			For Second Grade Veneer, Deduct	-1.02	
			For Third Grade Veneer, Deduct	-1.52	
			For Waterproof Glue, Add	0.71	
			For Ceiling Installation, Add	1.27	
			For Installation On Metal Studs Or Furring, Add	0.47	
			For Glue Laminated Installation, Add	0.72	
			For Lumber Core, Add	1.12	
			For 1/8" Thick Paneling, Deduct	-1.99	
			For 1/2" Thick Paneling, Add	5.99	
			For 5/8" Thick Paneling, Add	8.12	
			For 3/4" Thick Paneling, Add	10.86	
			For Fire Retardant Treatment (Class I), Add	8.02	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 42 Wood Paneling**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 42 16 00-0024	SF 1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim.....	9.62	1.90
	For Flitch Matched Veneer, Add	2.70	
	For Second Grade Veneer, Deduct	-0.54	
	For Third Grade Veneer, Deduct	-0.81	
	For Waterproof Glue, Add	0.38	
	For Ceiling Installation, Add	1.27	
	For Installation On Metal Studs Or Furring, Add	0.47	
	For Glue Laminated Installation, Add	0.48	
	For Lumber Core, Add	0.59	
	For 1/8" Thick Paneling, Deduct	-1.20	
	For 1/2" Thick Paneling, Add	3.42	
	For 5/8" Thick Paneling, Add	4.55	
	For 3/4" Thick Paneling, Add	6.01	
	For Fire Retardant Treatment (Class I), Add	4.26	
06 42 16 00-0025	Accessories (06 42 16)		
06 42 16 00-0026	EA Aluminum Panel Retainer "J" With Bolt.....	27.74	
<b>06 42 19</b>	<b>Plastic-Laminate-Faced Wood Paneling (06 42)</b>		
06 42 19 00-0001	Plastic Laminate (06 42 19)		
	Note: Standard colors and patterns.		
06 42 19 00-0002	SF 1/16" Plastic Laminate Faced Panel.....	8.90	3.67
	Note: Includes cutting to fit.		
06 43	Wood Stairs and Railings (06 40)		
<b>06 43 13</b>	<b>Wood Stairs (06 43)</b>		
06 43 13 00-0001	Stair Parts (06 43 13)		
06 43 13 00-0002	EA 30" Baluster, Pine .....	51.99	21.28
06 43 13 00-0003	EA 30" Baluster, Birch .....	61.24	21.28
06 43 13 00-0004	EA 42" Baluster, Pine .....	58.59	22.01
06 43 13 00-0005	EA 42" Baluster, Birch .....	68.45	22.01
06 43 13 00-0006	EA 3-1/4" Wide Newels, Starting .....	304.51	83.65
06 43 13 00-0007	EA 3-1/4" Wide Newels, Landing.....	445.24	117.40
06 43 13 00-0008	LF Oak Gooseneck, 1 Riser .....	184.62	73.38
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	24.09	
06 43 13 00-0009	LF Oak Gooseneck, 2 Riser .....	215.84	80.61
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	26.48	
06 43 13 00-0010	LF Oak Handrail, 2-1/2" x 3" With Quarter Turn .....	37.22	11.01
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.61	
06 43 13 00-0011	LF 1-1/16" x 9-1/2" Oak Stair Tread .....	48.07	6.18
	For Beech, Add	10.73	
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.83	
06 43 13 00-0012	LF 1-1/16" x 11-1/2" Oak Stair Tread .....	58.25	6.18
	For Beech, Add	13.79	
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.83	
06 43 13 00-0013	LF 1-1/16" x 11-1/2" Pine Stair Tread.....	26.73	6.18
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.83	
06 43 13 00-0014	LF 3/4" x 7-1/2" High Beech Riser.....	36.27	6.39
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.95	
06 43 13 00-0015	LF 3/4" x 7-1/2" High Oak Riser .....	34.11	6.39
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.95	
06 43 13 00-0016	LF 3/4" x 7-1/2" High Fir Riser.....	20.23	6.39
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.95	
06 43 13 00-0017	LF 3/4" x 7-1/2" High Pine Riser.....	19.55	6.39
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.95	
06 43 13 00-0018	SF Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing .....	41.91	
06 43 13 00-0019	Interior Box Stairs (06 43 13)		
	Note: Factory cut and assembled straight closed box stairs, unfinished.		
06 43 13 00-0020	EA 30" Wide Pine Box Stair, Per Riser .....	266.38	63.84
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	20.97	
	For Prefinished Stair Rail With Balusters And Newel, Add	71.35	
	For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	23.40	
	For Oak Or Maple Treads, Add	78.84	
06 43 13 00-0021	EA 32" Wide Pine Box Stair, Per Riser .....	282.26	65.30
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	21.45	
	For Prefinished Stair Rail With Balusters And Newel, Add	71.98	
	For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	23.66	
	For Oak Or Maple Treads, Add	85.05	
06 43 13 00-0022	EA 34" Wide Pine Box Stair, Per Riser .....	297.12	66.04
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	21.70	
	For Prefinished Stair Rail With Balusters And Newel, Add	72.30	
	For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	23.79	
	For Oak Or Maple Treads, Add	91.26	
06 43 13 00-0023	EA 36" Wide Pine Box Stair, Per Riser .....	314.34	66.77
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	21.94	
	For Prefinished Stair Rail With Balusters And Newel, Add	72.61	
	For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	23.92	
	For Oak Or Maple Treads, Add	98.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13 00-0024	EA		38" Wide Pine Box Stair, Per Riser .....	324.53	67.51
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	22.17	
			For Prefinished Stair Rail With Balusters And Newel, Add	72.92	
			For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	24.05	
			For Oak Or Maple Treads, Add	102.65	
06 43 13 00-0025	EA		40" Wide Pine Box Stair, Per Riser .....	335.78	68.98
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	22.66	
			For Prefinished Stair Rail With Balusters And Newel, Add	73.56	
			For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	24.32	
			For Oak Or Maple Treads, Add	106.77	
06 43 13 00-0026	EA		42" Wide Pine Box Stair, Per Riser .....	345.98	69.71
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	22.90	
			For Prefinished Stair Rail With Balusters And Newel, Add	73.87	
			For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	24.45	
			For Oak Or Maple Treads, Add	110.88	
06 43 13 00-0027	EA		44" Wide Pine Box Stair, Per Riser .....	356.18	70.45
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	23.14	
			For Prefinished Stair Rail With Balusters And Newel, Add	74.19	
			For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	24.58	
			For Oak Or Maple Treads, Add	115.00	
06 43 13 00-0028	EA		46" Wide Pine Box Stair, Per Riser .....	366.35	71.17
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	23.38	
			For Prefinished Stair Rail With Balusters And Newel, Add	74.50	
			For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	24.71	
			For Oak Or Maple Treads, Add	119.12	
06 43 13 00-0029	EA		48" Wide Pine Box Stair, Per Riser .....	378.56	73.38
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	24.11	
			For Prefinished Stair Rail With Balusters And Newel, Add	75.45	
			For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	25.10	
			For Oak Or Maple Treads, Add	123.18	
<b>06 43 16 Wood Railings (06 43)</b>					
<b>06 43 16 00-0001 Handrails (06 43 16)</b>					
<b>06 43 16 00-0002 Wood Handrail With Brackets (06 43 16 00-0001)</b>					
Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.					
06 43 16 00-0003	LF		1-1/2" x 1-11/16", Wood Handrail With Brackets.....	15.72	5.24
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.41	
06 43 16 00-0004	LF		1-7/8" x 2-5/8", Wood Handrail With Brackets.....	16.78	5.24
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.41	
06 43 16 00-0005	LF		1-1/2" Diameter, Wood Handrail With Brackets .....	20.30	5.24
06 43 16 00-0006	LF		1-3/4" Diameter, Wood Handrail With Brackets .....	21.18	5.24
06 43 16 00-0007	LF		2" Diameter, Wood Handrail With Brackets .....	24.35	5.24
06 43 16 00-0008	LF		2-1/2" Diameter, Wood Handrail With Brackets .....	34.13	5.24
<b>06 44 Ornamental Woodwork (06 44)</b>					
<b>06 44 39 Wood Posts and Columns (06 44)</b>					
<b>06 44 39 00-0001 Columns (06 44 39)</b>					
<b>06 44 39 00-0002 Pine Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)</b>					
Note: Paint grade/finger jointed pine.					
06 44 39 00-0003	LF		6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	65.15	6.01
06 44 39 00-0004	LF		8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	81.41	8.79
06 44 39 00-0005	LF		10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	99.96	10.17
06 44 39 00-0006	LF		12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	119.86	10.64
06 44 39 00-0007	LF		14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	269.07	12.03
06 44 39 00-0008	LF		16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	312.71	12.95
06 44 39 00-0009	LF		18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	376.65	13.87
06 44 39 00-0010	LF		20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	449.92	14.80
06 44 39 00-0011	LF		6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	75.13	6.01
06 44 39 00-0012	LF		8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	89.41	8.79
06 44 39 00-0013	LF		10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	111.00	10.17
06 44 39 00-0014	LF		12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	131.67	10.64
06 44 39 00-0015	LF		14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	293.07	12.03
06 44 39 00-0016	LF		16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	398.79	12.95
06 44 39 00-0017	LF		18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	429.97	13.87
06 44 39 00-0018	LF		20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	484.20	14.80
<b>06 44 39 00-0019 Pine Colonial Columns, Round Non Tapered With Cap And Base (06 44 39 00-0001)</b>					
Note: Paint grade/finger jointed pine.					
06 44 39 00-0020	LF		6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	78.56	6.01
06 44 39 00-0021	LF		8" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	96.64	8.79
06 44 39 00-0022	LF		10" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	119.76	10.17
06 44 39 00-0023	LF		12" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	144.62	10.64
06 44 39 00-0024	LF		14" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	331.20	12.03
06 44 39 00-0025	LF		16" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	385.46	12.95
06 44 39 00-0026	LF		18" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	465.13	13.87
06 44 39 00-0027	LF		20" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	556.50	14.80
06 44 39 00-0028	LF		6" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	91.05	6.01
06 44 39 00-0029	LF		8" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	107.58	8.79
06 44 39 00-0030	LF		10" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	134.08	10.17
06 44 39 00-0031	LF		12" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	159.78	10.64
06 44 39 00-0032	LF		14" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	361.25	12.03

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 44 Ornamental Woodwork**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0033	LF		16" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	493.37	12.95
06 44 39 00-0034	LF		18" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	531.97	13.87
06 44 39 00-0035	LF		20" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	599.50	14.80
<b>06 44 39 00-0036</b>			<b>Pine Classical Columns, Round Tapered With Cap And Base</b> (06 44 39 00-0001)		
			Note: Paint grade/finger jointed pine.		
06 44 39 00-0037	LF		6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	69.89	6.01
06 44 39 00-0038	LF		8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	87.11	8.79
06 44 39 00-0039	LF		10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	107.13	10.17
06 44 39 00-0040	LF		12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	128.75	10.64
06 44 39 00-0041	LF		6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	80.76	6.01
06 44 39 00-0042	LF		8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	95.83	8.79
06 44 39 00-0043	LF		10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	119.17	10.17
06 44 39 00-0044	LF		12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	141.61	10.64
<b>06 44 39 00-0045</b>			<b>Redwood Colonial Columns, Round Tapered With Cap And Base</b> (06 44 39 00-0001)		
			Note: Paint grade/finger jointed redwood.		
06 44 39 00-0046	LF		6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	109.79	6.01
06 44 39 00-0047	LF		8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	131.69	8.79
06 44 39 00-0048	LF		10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	164.33	10.17
06 44 39 00-0049	LF		12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	201.37	10.64
06 44 39 00-0050	LF		6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	126.55	6.01
06 44 39 00-0051	LF		8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	149.59	8.79
06 44 39 00-0052	LF		10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	185.28	10.17
06 44 39 00-0053	LF		12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	228.80	10.64
<b>06 44 39 00-0054</b>			<b>Ornamental Or Decorative Cap And Bases, Resin</b> (06 44 39 00-0001)		
			Note: For tapered wood columns.		
06 44 39 00-0055	EA		6" Resin Corinthian Capital And Base.....	344.93	12.49
06 44 39 00-0056	EA		8" Resin Corinthian Capital And Base.....	522.91	13.87
06 44 39 00-0057	EA		10" Resin Corinthian Capital And Base.....	729.41	16.19
06 44 39 00-0058	EA		12" Resin Corinthian Capital And Base.....	932.10	18.50
06 44 39 00-0059	EA		6" Resin Greek Erectheum Cap And Base.....	306.84	12.49
06 44 39 00-0060	EA		8" Resin Greek Erectheum Cap And Base.....	427.69	13.87
06 44 39 00-0061	EA		10" Resin Greek Erectheum Cap And Base.....	531.35	16.19
06 44 39 00-0062	EA		12" Resin Greek Erectheum Cap And Base.....	695.95	18.50
06 44 39 00-0063	EA		6" Resin Roman Ionic Capital And Base.....	323.01	12.95
06 44 39 00-0064	EA		8" Resin Roman Ionic Capital And Base.....	427.69	13.87
06 44 39 00-0065	EA		10" Resin Roman Ionic Capital And Base.....	531.35	16.19
06 44 39 00-0066	EA		12" Resin Roman Ionic Capital And Base.....	676.91	18.50
06 44 39 00-0067	EA		6" Resin Scamozzi Capital And Base.....	326.81	12.95
06 44 39 00-0068	EA		8" Resin Scamozzi Capital And Base.....	465.77	13.87
06 44 39 00-0069	EA		10" Resin Scamozzi Capital And Base.....	550.39	16.19
06 44 39 00-0070	EA		12" Resin Scamozzi Capital And Base.....	756.89	18.50
06 44 39 00-0071	EA		6" Resin Temple Of Winds Cap And Base.....	326.81	12.95
06 44 39 00-0072	EA		8" Resin Temple Of Winds Cap And Base.....	507.67	13.87
06 44 39 00-0073	EA		10" Resin Temple Of Winds Cap And Base.....	672.28	16.19
06 44 39 00-0074	EA		12" Resin Temple Of Winds Cap And Base.....	833.07	18.50
<b>06 44 39 00-0075</b>			<b>Ornamental Or Decorative Cap And Bases, Plaster</b> (06 44 39 00-0001)		
			Note: For tapered wood columns.		
06 44 39 00-0076	EA		6" Plaster Corinthian Capital And Base.....	699.16	12.49
06 44 39 00-0077	EA		8" Plaster Corinthian Capital And Base.....	785.72	13.87
06 44 39 00-0078	EA		10" Plaster Corinthian Capital And Base.....	999.84	16.19
06 44 39 00-0079	EA		12" Plaster Corinthian Capital And Base.....	1,099.70	18.50
06 44 39 00-0080	EA		6" Plaster Greek Erectheum Cap And Base.....	463.00	12.49
06 44 39 00-0081	EA		8" Plaster Greek Erectheum Cap And Base.....	538.14	13.87
06 44 39 00-0082	EA		10" Plaster Greek Erectheum Cap And Base.....	664.66	16.19
06 44 39 00-0083	EA		12" Plaster Greek Erectheum Cap And Base.....	836.88	18.50
06 44 39 00-0084	EA		6" Plaster Roman Ionic Capital And Base.....	444.89	12.95
06 44 39 00-0085	EA		8" Plaster Roman Ionic Capital And Base.....	583.85	13.87
06 44 39 00-0086	EA		10" Plaster Roman Ionic Capital And Base.....	706.56	16.19
06 44 39 00-0087	EA		12" Plaster Roman Ionic Capital And Base.....	836.88	18.50
06 44 39 00-0088	EA		6" Plaster Scamozzi Capital And Base.....	528.69	12.95
06 44 39 00-0089	EA		8" Plaster Scamozzi Capital And Base.....	701.93	13.87
06 44 39 00-0090	EA		10" Plaster Scamozzi Capital And Base.....	790.35	16.19
06 44 39 00-0091	EA		12" Plaster Scamozzi Capital And Base.....	1,004.47	18.50
06 44 39 00-0092	EA		6" Plaster Temple Of Winds Cap And Base.....	444.89	12.95
06 44 39 00-0093	EA		8" Plaster Temple Of Winds Cap And Base.....	576.23	13.87
06 44 39 00-0094	EA		10" Plaster Temple Of Winds Cap And Base.....	752.26	16.19
06 44 39 00-0095	EA		12" Plaster Temple Of Winds Cap And Base.....	962.58	18.50
06 44 39 00-0096	EA		6" Plaster Empire Capital And Base.....	502.02	12.95
06 44 39 00-0097	EA		8" Plaster Empire Capital And Base.....	614.32	13.87
06 44 39 00-0098	EA		10" Plaster Empire Capital And Base.....	748.46	16.19
06 44 39 00-0099	EA		12" Plaster Empire Capital And Base.....	836.88	18.50

**06 46 Wood Trim** (06 40)**06 46 13 Wood Door and Window Casings** (06 46)**06 46 13 00-0001 Door and Window Casings** (06 46 13)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 13 00-0002	LF		1-1/8" Wide Plain Pine Door And Window Molding..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.90 0.86	1.68
06 46 13 00-0003	LF		1-1/8" Wide Detailed Pine Door And Window Molding..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.95 0.86	1.68
06 46 13 00-0004	LF		2-1/2" Wide Pine Complete Door And Window Trim..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.19 0.86	1.68
<b>06 46 19 Wood Base and Shoe Moldings (06 46)</b>					
<b>06 46 19 00-0001 Base And Shoe Molding (06 46 19)</b>					
06 46 19 00-0002	LF		1/2" x 1/2" Pine Quarter Round Trim..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.08 1.01	1.99
06 46 19 00-0003	LF		3/4" x 3/4" Pine Quarter Round Trim..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.43 1.01	1.99
06 46 19 00-0004	LF		3-1/2" High White Pine Base Molding, All Dimensions Are Nominal..... <i>For Clear Birch, Add</i> <i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i> <i>For Clear Poplar, Add</i>	6.46 0.73 1.44 0.41 0.45	1.26
06 46 19 00-0005	LF		4-1/2" High White Pine Base Molding, All Dimensions Are Nominal..... <i>For Clear Birch, Add</i> <i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i> <i>For Clear Poplar, Add</i>	7.85 0.84 1.70 0.47 0.52	1.57
06 46 19 00-0006	LF		5-1/2" High White Pine Base Molding, All Dimensions Are Nominal..... <i>For Clear Birch, Add</i> <i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i> <i>For Clear Poplar, Add</i>	9.81 1.29 2.40 0.73 0.81	1.78
06 46 19 00-0007	LF		3/4" x 1" Oak Base Shoe.....	6.35	1.99
06 46 19 00-0008	LF		3/4" x 1" White Pine Base Shoe, Stain Grade.....	6.14	1.99
06 46 19 00-0009	LF		3/4" x 1" White Pine Base Shoe, Paint Grade.....	5.69	1.99
<b>06 46 23 Wood Chair Rails (06 46)</b>					
<b>06 46 23 00-0001 Chair Rails (06 46 23)</b>					
06 46 23 00-0002	LF		5/8" x 2-1/2" White Pine Shaped Chair Rail..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i>	7.91 1.19 2.09 0.74	1.88
06 46 23 00-0003	LF		5/8" x 3-1/2" White Pine Shaped Chair Rail..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i>	9.79 1.79 2.94 1.12	1.88
06 46 23 00-0004	LF		1/2" x 1-5/8" White Pine Shaped Chair Rail..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i>	5.86 0.87 1.54 0.54	1.88
<b>06 46 26 Wood Cornices (06 46)</b>					
<b>06 46 26 00-0001 Wood Cornices (06 46 26)</b>					
06 46 26 00-0002	LF		1" x 2" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	5.88 0.61 1.18 0.76	1.88
06 46 26 00-0003	LF		1" x 4" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	7.43 1.10 1.81 1.38	1.99
06 46 26 00-0004	LF		1" x 6" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	10.40 2.10 3.08 2.63	2.09
06 46 26 00-0005	LF		1" x 8" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	12.01 2.61 3.74 3.26	2.09
06 46 26 00-0006	LF		1" x 10" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	13.89 3.20 4.50 4.01	2.21
06 46 26 00-0007	LF		1" x 12" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	17.90 4.56 6.22 5.70	2.41
<b>06 46 29 Wood Fasciae and Soffits (06 46)</b>					
<b>06 46 29 00-0001 Fascia Board (06 46 29)</b>					
<b>06 46 29 00-0002 Pine Fascia Board (06 46 29 00-0001)</b>					
06 46 29 00-0003	LF		1" x 6" Pine Fascia Board.....	5.88	2.09
06 46 29 00-0004	LF		1" x 8" Pine Fascia Board.....	6.92	2.33
06 46 29 00-0005	LF		1" x 10" Pine Fascia Board.....	7.69	2.45

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 46 Wood Trim**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 46 29 00-0006	LF	1" x 12" Pine Fascia Board.....	9.39	2.74
06 46 29 00-0007	LF	2" x 6" Pine Fascia Board .....	5.76	2.09
06 46 29 00-0008	LF	2" x 8" Pine Fascia Board .....	6.74	2.33
06 46 29 00-0009	LF	2" x 10" Pine Fascia Board.....	7.95	2.45
06 46 29 00-0010	LF	2" x 12" Pine Fascia Board.....	10.17	2.74
06 46 29 00-0011	LF	2" x 6" Trim, Exterior, Pine, Resawn Fascia.....	5.95	2.09
06 46 29 00-0012	LF	2" x 8" Trim, Exterior, Pine, Resawn Fascia.....	6.98	2.33
06 46 29 00-0013	LF	2" x 10" Trim, Exterior, Pine, Resawn Fascia.....	7.84	2.45
06 46 29 00-0014	LF	2" x 12" Trim, Exterior, Pine, Resawn Fascia.....	9.93	2.74

**06 46 29 00-0015 Cedar Fascia Board (06 46 29 00-0001)**

06 46 29 00-0016	LF	1" x 6" Cedar Fascia Board.....	6.69	2.09
06 46 29 00-0017	LF	1" x 8" Cedar Fascia Board.....	8.18	2.33
06 46 29 00-0018	LF	1" x 10" Cedar Fascia Board.....	10.12	2.45
06 46 29 00-0019	LF	1" x 12" Cedar Fascia Board.....	12.81	2.74

**06 46 29 00-0020 Engineered Wood Fascia Board (06 46 29 00-0001)**

06 46 29 00-0021	LF	1" x 6" Engineered Wood Fascia Board.....	5.42	2.09
06 46 29 00-0022	LF	1" x 8" Engineered Wood Fascia Board.....	6.29	2.33
06 46 29 00-0023	LF	1" x 12" Engineered Wood Fascia Board.....	7.92	2.74

**06 46 29 00-0024 Soffit (06 46 29)****06 46 29 00-0025 Sanded Plywood Soffit (06 46 29 00-0024)**

06 46 29 00-0026	SF	3/8" Thick, Sanded Plywood Soffit.....	6.69	1.59
06 46 29 00-0027	SF	1/2" Thick, Sanded Plywood Soffit.....	7.67	1.67
06 46 29 00-0028	SF	5/8" Thick, Sanded Plywood Soffit.....	8.06	1.74
06 46 29 00-0029	SF	3/4" Thick, Sanded Plywood Soffit.....	9.38	1.84

**06 46 29 00-0030 MDO Plywood Soffit (06 46 29 00-0024)**

06 46 29 00-0031	SF	3/8" Thick, MDO Plywood Soffit.....	8.31	1.59
06 46 29 00-0032	SF	1/2" Thick, MDO Plywood Soffit.....	9.73	1.67
06 46 29 00-0033	SF	3/4" Thick, MDO Plywood Soffit.....	13.36	1.84

**06 46 29 00-0034 Exterior Ceiling Gypsum Board Soffit (06 46 29 00-0024)**

06 46 29 00-0035	SF	1/2" Thick, Exterior Ceiling Gypsum Board Soffit.....	3.24	1.38
06 46 29 00-0036	SF	5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit.....	3.49	1.45

**06 48 Wood Frames (06 40)**

Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.

**06 48 13 Exterior Wood Door Frames (06 48)****06 48 13 00-0001 Exterior Door Frames (06 48 13)**

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002	EA	3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim.....	521.12	59.47
		For Birch, Add	140.79	
		For Mahogany, Add	341.93	
06 48 13 00-0003	EA	3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim.....	549.13	62.33
		For Birch, Add	148.76	
		For Mahogany, Add	361.28	
06 48 13 00-0004	EA	4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim.....	577.15	64.76
		For Birch, Add	156.72	
		For Mahogany, Add	380.60	
06 48 13 00-0005	EA	5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim.....	631.87	69.30
		For Birch, Add	172.62	
		For Mahogany, Add	419.21	
06 48 13 00-0006	EA	6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim.....	687.25	74.27
		For Birch, Add	188.54	
		For Mahogany, Add	457.89	
06 48 13 00-0007	EA	3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim.....	858.25	59.69
06 48 13 00-0008	EA	3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim.....	869.66	62.33
06 48 13 00-0009	EA	4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim.....	881.05	64.97
06 48 13 00-0010	EA	5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim.....	901.77	69.20
06 48 13 00-0011	EA	6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim.....	924.73	74.47
06 48 13 00-0012	EA	3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim.....	636.95	59.69
06 48 13 00-0013	EA	3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim.....	668.33	62.33
06 48 13 00-0014	EA	4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim.....	699.82	64.97
06 48 13 00-0015	EA	5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim.....	760.47	69.20
06 48 13 00-0016	EA	6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim.....	823.28	74.47

**06 48 16 Interior Wood Door Frames (06 48)****06 48 16 00-0001 Interior Door Frames (06 48 16)**

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 48 16 00-0002	EA	2'-0" Or 2'-4" x 7'	Pine Interior Door Frame Custom Made With Threshold And Trim ..... For Oak Or Maple, Add For Birch, Add For Mahogany, Add For Walnut Frame, Add	264.80 64.54 72.87 176.97 93.69	28.31
06 48 16 00-0003	EA	2'-6" x 7'	Pine Interior Door Frame Custom Made With Threshold And Trim ..... For Oak Or Maple, Add For Birch, Add For Mahogany, Add For Walnut Frame, Add	266.82 65.08 73.48 178.46 94.48	28.42
06 48 16 00-0004	EA	2'-8" x 7'	Pine Interior Door Frame Custom Made With Threshold And Trim ..... For Oak Or Maple, Add For Birch, Add For Mahogany, Add For Walnut Frame, Add	269.51 65.57 74.04 179.80 95.19	28.94
06 48 16 00-0005	EA	3' x 7'	Pine Interior Door Frame Custom Made With Threshold And Trim ..... For Oak Or Maple, Add For Birch, Add For Mahogany, Add For Walnut Frame, Add	273.04 66.22 74.77 181.58 96.13	29.69
06 48 16 00-0006	EA	3'-4" x 7'	Pine Interior Door Frame Custom Made With Threshold And Trim ..... For Oak Or Maple, Add For Birch, Add For Mahogany, Add For Walnut Frame, Add	279.09 67.62 76.35 185.42 98.16	30.43
06 48 16 00-0007	EA	4' x 7'	Pine Interior Door Frame Custom Made With Threshold And Trim ..... For Oak Or Maple, Add For Birch, Add For Mahogany, Add For Walnut Frame, Add	294.37 71.20 80.38 195.22 103.35	32.33
06 48 16 00-0008	EA	5' x 7'	Pine Interior Door Frame Custom Made With Threshold And Trim ..... For Oak Or Maple, Add For Birch, Add For Mahogany, Add For Walnut Frame, Add	311.25 74.79 84.44 205.07 108.57	34.96
06 48 16 00-0009	EA	6' x 7'	Pine Interior Door Frame Custom Made With Threshold And Trim ..... For Oak Or Maple, Add For Birch, Add For Mahogany, Add For Walnut Frame, Add	327.06 78.36 88.47 214.86 113.75	37.18
06 48 16 00-0010	LF	4-9/16"	Pine Interior Door Frame ..... For Oak Or Maple, Add For Birch, Add For Mahogany, Add For Walnut Frame, Add	8.88 1.18 1.33 3.24 1.71	2.53

06 50 Structural Plastics (06)

06 51 Structural Plastic Shapes and Plates (06 50)

06 51 13 Plastic Lumber (06 51)

06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber (06 51 13)

06 51 13 00-0002	LF	2" x 6"	Beam Or Girder, Recycled Plastic Lumber ..... For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	9.62 2.66 0.65 3.06 2.59	1.70
06 51 13 00-0003	LF	2" x 8"	Beam Or Girder, Recycled Plastic Lumber ..... For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	12.19 3.53 0.86 4.06 3.44	1.85
06 51 13 00-0004	LF	2" x 10"	Beam Or Girder, Recycled Plastic Lumber ..... For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	14.55 4.33 1.05 4.97 4.21	1.99
06 51 13 00-0005	LF	3" x 10"	Beam Or Girder, Recycled Plastic Lumber ..... For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	21.11 6.56 1.60 7.54 6.38	2.37
06 51 13 00-0006	LF	3" x 12"	Beam Or Girder, Recycled Plastic Lumber ..... For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	25.23 7.93 1.93 9.11 7.71	2.66
06 51 13 00-0007	LF	4" x 4"	Beam Or Girder, Recycled Plastic Lumber ..... For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	13.82 3.90 0.95 4.48 3.80	2.29

**06 Wood, Plastics, and Composites****06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 51 13 00-0008	LF 4" x 6", Beam Or Girder, Recycled Plastic Lumber .....	18.47	2.44
	For Reinforced Structural Plastic Lumber, Add	5.54	
	Note: High density polyethylene combined with fiberglass.		
	For Brown Color, Add	1.35	
	For White Color, Add	6.37	
	For All Other Colors (Except Black, Brown Or White), Add	5.39	
06 51 13 00-0009	LF 5" x 5", Beam Or Girder, Recycled Plastic Lumber .....	19.22	2.51
	For Reinforced Structural Plastic Lumber, Add	5.78	
	Note: High density polyethylene combined with fiberglass.		
	For Brown Color, Add	1.41	
	For White Color, Add	6.64	
	For All Other Colors (Except Black, Brown Or White), Add	5.62	
06 51 13 00-0010	LF 6" x 6", Beam Or Girder, Recycled Plastic Lumber .....	26.35	2.74
	For Reinforced Structural Plastic Lumber, Add	8.30	
	Note: High density polyethylene combined with fiberglass.		
	For Brown Color, Add	2.02	
	For White Color, Add	9.53	
	For All Other Colors (Except Black, Brown Or White), Add	8.07	
06 51 13 00-0011	LF 6" x 8", Beam Or Girder, Recycled Plastic Lumber .....	35.73	2.89
	For Reinforced Structural Plastic Lumber, Add	11.69	
	Note: High density polyethylene combined with fiberglass.		
	For Brown Color, Add	2.84	
	For White Color, Add	13.43	
	For All Other Colors (Except Black, Brown Or White), Add	11.38	
<b>06 51 13 00-0012</b>	<b>Joists, Recycled Plastic Lumber (06 51 13)</b>		
06 51 13 00-0013	LF 2" x 4", Joist, Recycled Plastic Lumber .....	6.22	0.95
	For Reinforced Structural Plastic Lumber, Add	1.79	
	Note: High density polyethylene combined with fiberglass.		
	For Brown Color, Add	0.44	
	For White Color, Add	2.06	
	For All Other Colors (Except Black, Brown Or White), Add	1.75	
06 51 13 00-0014	LF 2" x 6", Joist, Recycled Plastic Lumber .....	8.56	1.01
	For Reinforced Structural Plastic Lumber, Add	2.66	
	Note: High density polyethylene combined with fiberglass.		
	For Brown Color, Add	0.65	
	For White Color, Add	3.06	
	For All Other Colors (Except Black, Brown Or White), Add	2.59	
06 51 13 00-0015	LF 2" x 8", Joist, Recycled Plastic Lumber .....	11.13	1.11
	For Reinforced Structural Plastic Lumber, Add	3.53	
	Note: High density polyethylene combined with fiberglass.		
	For Brown Color, Add	0.86	
	For White Color, Add	4.06	
	For All Other Colors (Except Black, Brown Or White), Add	3.44	
06 51 13 00-0016	LF 2" x 10", Joist, Recycled Plastic Lumber .....	13.60	1.33
	For Reinforced Structural Plastic Lumber, Add	4.33	
	Note: High density polyethylene combined with fiberglass.		
	For Brown Color, Add	1.05	
	For White Color, Add	4.97	
	For All Other Colors (Except Black, Brown Or White), Add	4.21	
06 51 13 00-0017	LF 3" x 10", Joist, Recycled Plastic Lumber .....	19.95	1.56
	For Reinforced Structural Plastic Lumber, Add	6.56	
	Note: High density polyethylene combined with fiberglass.		
	For Brown Color, Add	1.60	
	For White Color, Add	7.54	
	For All Other Colors (Except Black, Brown Or White), Add	6.38	
06 51 13 00-0018	LF 3" x 12", Joist, Recycled Plastic Lumber .....	24.29	1.99
	For Reinforced Structural Plastic Lumber, Add	7.93	
	Note: High density polyethylene combined with fiberglass.		
	For Brown Color, Add	1.93	
	For White Color, Add	9.11	
	For All Other Colors (Except Black, Brown Or White), Add	7.71	
06 51 13 00-0019	LF 4" x 4", Joist, Recycled Plastic Lumber .....	12.55	1.40
	For Reinforced Structural Plastic Lumber, Add	3.90	
	Note: High density polyethylene combined with fiberglass.		
	For Brown Color, Add	0.95	
	For White Color, Add	4.48	
	For All Other Colors (Except Black, Brown Or White), Add	3.80	
06 51 13 00-0020	LF 4" x 6", Joist, Recycled Plastic Lumber .....	17.10	1.47
	For Reinforced Structural Plastic Lumber, Add	5.54	
	Note: High density polyethylene combined with fiberglass.		
	For Brown Color, Add	1.35	
	For White Color, Add	6.37	
	For All Other Colors (Except Black, Brown Or White), Add	5.39	
06 51 13 00-0021	LF 5" x 5", Joist, Recycled Plastic Lumber .....	17.94	1.63
	For Reinforced Structural Plastic Lumber, Add	5.78	
	Note: High density polyethylene combined with fiberglass.		
	For Brown Color, Add	1.41	
	For White Color, Add	6.64	
	For All Other Colors (Except Black, Brown Or White), Add	5.62	
06 51 13 00-0022	LF 6" x 6", Joist, Recycled Plastic Lumber .....	25.06	1.85
	For Reinforced Structural Plastic Lumber, Add	8.30	
	Note: High density polyethylene combined with fiberglass.		
	For Brown Color, Add	2.02	
	For White Color, Add	9.53	
	For All Other Colors (Except Black, Brown Or White), Add	8.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0023	LF		6" x 8", Joist, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i>	34.46 11.69 2.84 13.43 11.38	1.99
<b>06 51 13 00-0024 Columns, Recycled Plastic Lumber (06 51 13)</b>					
06 51 13 00-0025	LF		4" x 4", Column, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i>	14.88 3.90 0.95 4.48 3.80	3.03
06 51 13 00-0026	LF		4" x 6", Column, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i>	21.10 5.54 1.35 6.37 5.39	4.29
06 51 13 00-0027	LF		5" x 5", Column, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i>	22.49 5.78 1.41 6.64 5.62	4.81
06 51 13 00-0028	LF		6" x 6", Column, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i>	30.24 8.30 2.02 9.53 8.07	5.47
06 51 13 00-0029	LF		6" x 8", Column, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i>	41.21 11.69 2.84 13.43 11.38	6.73
<b>06 51 13 00-0030 Walls, Recycled Plastic Lumber (06 51 13)</b>					
06 51 13 00-0031	LF		2" x 3", Walls, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.60 1.57 0.38 1.80 1.52	0.95
06 51 13 00-0032	LF		2" x 4", Walls, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.44 1.79 0.44 2.06 1.75	1.11
06 51 13 00-0033	LF		2" x 6", Walls, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.88 2.66 0.65 3.06 2.59	1.18
06 51 13 00-0034	LF		2" x 8", Walls, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i>	11.34 3.53 0.86 4.06 3.44	1.26
<b>06 51 13 00-0035 Other Shapes, Recycled Plastic Lumber (06 51 13)</b>					
06 51 13 00-0036	LF		5/4" x 4", Other Shapes, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.46 1.54 0.38 1.77 1.50	0.84
06 51 13 00-0037	LF		5/4" x 6", Other Shapes, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.90 2.05 0.50 2.35 1.99	0.95
06 51 13 00-0038	LF		5/4" x 8", Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.97 2.81 0.68 3.23 2.74	0.95

**06 Wood, Plastics, and Composites****06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51	13 00-0039	LF	1" x 4", Other Shapes, Recycled Plastic Lumber .....	5.49	0.84
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.55	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.38	
			<i>For White Color, Add</i>	1.79	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.51	
06 51	13 00-0040	LF	1" x 6", Other Shapes, Recycled Plastic Lumber .....	6.06	0.95
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.74	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.42	
			<i>For White Color, Add</i>	1.99	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.69	
06 51	13 00-0041	LF	1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber .....	6.17	0.95
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.78	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.43	
			<i>For White Color, Add</i>	2.04	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.73	
06 51	13 00-0042	LF	2" x 2", Other Shapes, Recycled Plastic Lumber .....	3.85	0.81
			<i>For Reinforced Structural Plastic Lumber, Add</i>	0.99	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.24	
			<i>For White Color, Add</i>	1.14	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	0.96	
06 51	13 00-0043	LF	2" x 3", Other Shapes, Recycled Plastic Lumber .....	5.60	0.95
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.57	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.38	
			<i>For White Color, Add</i>	1.80	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.52	
06 51	13 00-0044	LF	2" x 4", Other Shapes, Recycled Plastic Lumber .....	6.44	1.11
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.79	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.44	
			<i>For White Color, Add</i>	2.06	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.75	
06 51	13 00-0045	LF	2" x 6", Other Shapes, Recycled Plastic Lumber .....	8.88	1.18
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.66	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.65	
			<i>For White Color, Add</i>	3.06	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.59	
06 51	13 00-0046	LF	2" x 8", Other Shapes, Recycled Plastic Lumber .....	11.34	1.26
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.53	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.86	
			<i>For White Color, Add</i>	4.06	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.44	
06 51	13 00-0047	LF	2" x 10", Other Shapes, Recycled Plastic Lumber .....	13.60	1.33
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.33	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.05	
			<i>For White Color, Add</i>	4.97	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.21	
06 51	13 00-0048	LF	2" x 12", Other Shapes, Recycled Plastic Lumber .....	16.38	1.40
			<i>For Reinforced Structural Plastic Lumber, Add</i>	5.32	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.30	
			<i>For White Color, Add</i>	6.12	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.18	
06 51	13 00-0049	LF	3" x 4", Other Shapes, Recycled Plastic Lumber .....	9.14	1.29
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.70	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.66	
			<i>For White Color, Add</i>	3.10	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.62	
06 51	13 00-0050	LF	3" x 6", Other Shapes, Recycled Plastic Lumber .....	13.28	1.38
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.18	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.02	
			<i>For White Color, Add</i>	4.81	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.07	
06 51	13 00-0051	LF	3" x 8", Other Shapes, Recycled Plastic Lumber .....	17.23	1.47
			<i>For Reinforced Structural Plastic Lumber, Add</i>	5.60	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.36	
			<i>For White Color, Add</i>	6.43	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.45	
06 51	13 00-0052	LF	3" x 10", Other Shapes, Recycled Plastic Lumber .....	19.95	1.56
			<i>For Reinforced Structural Plastic Lumber, Add</i>	6.56	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.60	
			<i>For White Color, Add</i>	7.54	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.38	
06 51	13 00-0053	LF	3" x 12", Other Shapes, Recycled Plastic Lumber .....	24.29	1.99
			<i>For Reinforced Structural Plastic Lumber, Add</i>	7.93	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.93	
			<i>For White Color, Add</i>	9.11	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	7.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0054	LF	4" x 4"	Other Shapes, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	12.55 3.90 0.95 4.48 3.80	1.40
06 51 13 00-0055	LF	4" x 6"	Other Shapes, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	17.10 5.54 1.35 6.37 5.39	1.47
06 51 13 00-0056	LF	4" x 8"	Other Shapes, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	22.90 7.63 1.85 8.76 7.42	1.61
06 51 13 00-0057	LF	5" x 5"	Other Shapes, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	17.94 5.78 1.41 6.64 5.62	1.63
06 51 13 00-0058	LF	6" x 6"	Other Shapes, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	25.06 8.30 2.02 9.53 8.07	1.85
06 51 13 00-0059	LF	6" x 8"	Other Shapes, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	34.46 11.69 2.84 13.43 11.38	1.99
06 51 13 00-0060	LF	6" x 12"	Other Shapes, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	48.51 16.78 4.08 19.27 16.32	2.22
06 51 13 00-0061	LF	8" x 8"	Other Shapes, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	43.18 14.85 3.61 17.06 14.45	2.14
06 51 13 00-0062	LF	8" x 10"	Other Shapes, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	73.43 26.00 6.32 29.86 25.29	2.22
06 51 13 00-0063	LF	10" x 10"	Other Shapes, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	101.70 36.40 8.86 41.82 35.42	2.33
06 51 13 00-0064	LF	2" Diameter	Other Shapes, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	4.09 1.12 0.27 1.29 1.09	0.74
06 51 13 00-0065	LF	3-1/2" Diameter	Other Shapes, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	11.46 3.73 0.91 4.29 3.63	0.95
06 51 13 00-0066	LF	4" Diameter	Other Shapes, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	12.65 4.10 1.00 4.70 3.99	1.11
06 51 13 00-0067	LF	5" Diameter	Other Shapes, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	15.66 5.09 1.24 5.85 4.95	1.33
06 51 13 00-0068	LF	6" Diameter	Other Shapes, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	34.32 11.88 2.89 13.64 11.56	1.56
06 51 13 00-0069	SF	1/8" Thick	Other Shapes, Recycled Plastic Sheetting	3.35	0.81

**06 Wood, Plastics, and Composites****06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 51 13 00-0070	SF	1/4" Thick, Other Shapes, Recycled Plastic Sheeting	4.83	0.84
06 51 13 00-0071	SF	3/8" Thick, Other Shapes, Recycled Plastic Sheeting	6.89	0.90
06 51 13 00-0072	SF	1/2" Thick, Other Shapes, Recycled Plastic Sheeting	8.74	0.93

**06 52 Plastic Structural Assemblies** (06 50)**06 52 13 Plastic Columns** (06 52)**06 52 13 00-0001 Round Fiberglass Columns** (06 52 13)

06 52 13 00-0002	LF	6" Diameter, Round Fiberglass Column	19.19	6.10
06 52 13 00-0003	LF	8" Diameter, Round Fiberglass Column	27.00	8.88
06 52 13 00-0004	LF	10" Diameter, Round Fiberglass Column	31.59	9.99
06 52 13 00-0005	LF	12" Diameter, Round Fiberglass Column	40.33	10.45
06 52 13 00-0006	LF	15" Diameter, Round Fiberglass Column	49.60	12.07
06 52 13 00-0007	EA	6" Diameter, Base And Cap For Round Fiberglass Columns	37.21	11.56
06 52 13 00-0008	EA	8" Diameter, Base And Cap For Round Fiberglass Columns	41.43	12.49
06 52 13 00-0009	EA	10" Diameter, Base And Cap For Round Fiberglass Columns	49.38	13.87
06 52 13 00-0010	EA	12" Diameter, Base And Cap For Round Fiberglass Columns	71.16	14.80
06 52 13 00-0011	EA	15" Diameter, Base And Cap For Round Fiberglass Columns	98.95	16.19

**06 52 13 00-0012 Fluted Fiberglass Columns** (06 52 13)

06 52 13 00-0013	LF	6" Diameter, Fluted Fiberglass Column	20.57	6.10
06 52 13 00-0014	LF	8" Diameter, Fluted Fiberglass Column	28.84	8.88
06 52 13 00-0015	LF	10" Diameter, Fluted Fiberglass Column	33.91	9.99
06 52 13 00-0016	LF	12" Diameter, Fluted Fiberglass Column	44.24	10.45
06 52 13 00-0017	LF	15" Diameter, Fluted Fiberglass Column	54.69	12.12
06 52 13 00-0018	EA	6" Diameter, Base And Cap For Fluted Fiberglass Columns	40.02	11.56
06 52 13 00-0019	EA	8" Diameter, Base And Cap For Fluted Fiberglass Columns	44.72	12.49
06 52 13 00-0020	EA	10" Diameter, Base And Cap For Fluted Fiberglass Columns	53.70	13.87
06 52 13 00-0021	EA	12" Diameter, Base And Cap For Fluted Fiberglass Columns	79.47	14.80
06 52 13 00-0022	EA	15" Diameter, Base And Cap For Fluted Fiberglass Columns	112.27	16.19

**06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns** (06 52 13)

06 52 13 00-0024	EA	8" Roman Ionic Cap And Base For Fiberglass Columns	176.63	13.87
06 52 13 00-0025	EA	10" Roman Ionic Cap And Base For Fiberglass Columns	236.85	16.19
06 52 13 00-0026	EA	12" Roman Ionic Cap And Base For Fiberglass Columns	304.61	18.50
06 52 13 00-0027	EA	8" Scamozzi Cap And Base For Fiberglass Columns	211.49	13.87
06 52 13 00-0028	EA	10" Scamozzi Cap And Base For Fiberglass Columns	254.76	16.19
06 52 13 00-0029	EA	12" Scamozzi Cap And Base For Fiberglass Columns	374.34	18.50
06 52 13 00-0030	EA	8" Corinthian Cap And Base For Fiberglass Columns	268.03	13.87
06 52 13 00-0031	EA	10" Corinthian Cap And Base For Fiberglass Columns	325.43	16.19
06 52 13 00-0032	EA	12" Corinthian Cap And Base For Fiberglass Columns	432.76	18.50
06 52 13 00-0033	EA	8" Temple Of Winds Cap And Base For Fiberglass Columns	179.46	13.87
06 52 13 00-0034	EA	10" Temple Of Winds Cap And Base For Fiberglass Columns	242.51	16.19
06 52 13 00-0035	EA	12" Temple Of Winds Cap And Base For Fiberglass Columns	310.27	18.50
06 52 13 00-0036	EA	8" Greek Erectheum Cap And Base For Fiberglass Columns	179.46	13.87
06 52 13 00-0037	EA	10" Greek Erectheum Cap And Base For Fiberglass Columns	216.12	16.19
06 52 13 00-0038	EA	12" Greek Erectheum Cap And Base For Fiberglass Columns	286.71	18.50

**06 53 Plastic Decking** (06 50)**06 53 16 Plastic Stair Treads** (06 53)**06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads** (06 53 16)

Note: Includes standard colors and anchors. Excludes stringers.

06 53 16 00-0002	LF	1" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	31.52	2.38
06 53 16 00-0003	LF	1-1/2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	42.58	2.85
06 53 16 00-0004	LF	2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	61.99	3.14

**06 60 Plastic Fabrications** (06)**06 65 Plastic Trim** (06 60)**06 65 00 00-0001 Plastic Moldings** (06 65)

Note: All dimensions are nominal.

**06 65 00 00-0002 Base, Plastic Moldings** (06 65 00 00-0001)

06 65 00 00-0003	LF	3-1/2" High, Base, Plastic Molding	6.00	2.09
06 65 00 00-0004	LF	4-1/2" High, Base, Plastic Molding	7.33	2.62
06 65 00 00-0005	LF	3/4" x 1", Base Shoe, Plastic Molding	5.61	2.21

**06 65 00 00-0006 Cornice, Plastic Moldings** (06 65 00 00-0001)

06 65 00 00-0007	LF	1" x 2" Cornice, Plastic Molding	5.54	2.09
06 65 00 00-0008	LF	1" x 4" Cornice, Plastic Molding	6.81	2.21
06 65 00 00-0009	LF	1" x 6" Cornice, Plastic Molding	9.22	2.31
06 65 00 00-0010	LF	1" x 8" Cornice, Plastic Molding	10.54	2.41
06 65 00 00-0011	LF	1" x 10" Cornice, Plastic Molding	12.09	2.52
06 65 00 00-0012	LF	1" x 12" Cornice, Plastic Molding	15.35	2.62

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>06 65 00 00-0013 Crown Or Bed, Plastic Moldings (06 65 00 00-0001)</b>					
06 65 00 00-0014	LF		9/16" x 1-5/8" Crown Or Bed, Plastic Molding .....	9.62	2.09
06 65 00 00-0015	LF		9/16" x 2-1/4" Crown Or Bed, Plastic Molding .....	12.84	2.62
06 65 00 00-0016	LF		9/16" x 3-1/2" Crown Or Bed, Plastic Molding .....	13.37	2.62
06 65 00 00-0017	LF		9/16" x 3-5/8" Crown Or Bed, Plastic Molding .....	13.89	2.62
06 65 00 00-0018	LF		5/8" x 4-1/4" Crown Or Bed, Plastic Molding .....	18.06	3.14
06 65 00 00-0019	LF		11/16" x 4-5/8" Crown Or Bed, Plastic Molding .....	21.30	3.14
<b>06 65 00 00-0020 Dentil, Plastic Moldings (06 65 00 00-0001)</b>					
06 65 00 00-0021	LF		11/16" x 1-3/8" Dentil, Plastic Molding .....	8.23	2.09
06 65 00 00-0022	LF		5/8" x 2-1/2" Dentil, Plastic Molding .....	9.22	2.09
06 65 00 00-0023	LF		1-3/8" x 3-3/8" Dentil, Plastic Molding .....	11.45	2.09
06 65 00 00-0024	LF		1-1/2" x 4-1/2" Dentil, Plastic Molding .....	15.30	2.09
<b>06 65 00 00-0025 Cove, Plastic Moldings (06 65 00 00-0001)</b>					
06 65 00 00-0026	LF		3/8" x 3/8" Cove, Plastic Molding .....	3.20	1.16
06 65 00 00-0027	LF		1/2" x 1/2" Cove, Plastic Molding .....	3.47	1.16
06 65 00 00-0028	LF		5/8" x 5/8" Cove, Plastic Molding .....	4.54	1.36
06 65 00 00-0029	LF		3/4" x 3/4" Cove, Plastic Molding .....	4.54	1.36
06 65 00 00-0030	LF		15/16" x 15/16" Cove, Plastic Molding .....	5.69	1.36
06 65 00 00-0031	LF		9/16" x 1-3/4" Cove, Plastic Molding .....	7.42	1.57
06 65 00 00-0032	LF		11/16" x 2-3/4" Cove, Plastic Molding .....	9.86	1.57
<b>06 65 00 00-0033 Chair Rail, Plastic Moldings (06 65 00 00-0001)</b>					
06 65 00 00-0034	LF		1/2" x 1-5/8" Chair Rail, Plastic Molding .....	5.31	1.57
06 65 00 00-0035	LF		5/8" x 2-1/2" Chair Rail, Plastic Molding .....	7.16	2.09
06 65 00 00-0036	LF		5/8" x 3-1/2" Chair Rail, Plastic Molding .....	8.66	2.09
<b>06 65 00 00-0037 Door, Plastic Moldings (06 65 00 00-0001)</b>					
06 65 00 00-0038	LF		1-1/8" Wide, Door, Plastic Molding .....	4.67	1.88
06 65 00 00-0039	LF		1-1/8" Wide, Detailed Door, Plastic Molding .....	4.70	1.88
<b>06 65 00 00-0040 Trim, Plastic Moldings (06 65 00 00-0001)</b>					
06 65 00 00-0041	LF		1/2" x 1/2" Quarter Round Trim, Plastic Molding .....	4.94	2.21
06 65 00 00-0042	LF		3/4" x 3/4" Quarter Round Trim, Plastic Molding .....	5.48	2.21
06 65 00 00-0043	LF		1-1/4" x 2" Brick Mould, Plastic Molding .....	8.59	2.09
06 65 00 00-0044	LF		1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding .....	10.66	2.09
06 65 00 00-0045	LF		11/16" x 1-5/8" Drip Cap, Plastic Molding .....	6.59	2.09
06 65 00 00-0046	LF		2-3/4" x 2" Water Table, Plastic Molding .....	12.16	2.09
06 65 00 00-0047	LF		3/8" x 2" Garage Door Stop, Plastic Molding .....	7.72	2.09
<b>06 65 00 00-0048 Extruded Polyvinyl Chloride (PVC) Trimboard (06 65)</b>					
Note: As manufactured by Azek or Kleer. All dimensions are nominal.					
06 65 00 00-0049	LF		1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard .....	6.76	0.84
06 65 00 00-0050	LF		1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard .....	10.18	0.95
06 65 00 00-0051	LF		1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard .....	13.56	1.05
06 65 00 00-0052	LF		1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard .....	16.62	1.07
06 65 00 00-0053	LF		1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard .....	20.01	1.10
06 65 00 00-0054	LF		5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard .....	8.59	0.84
06 65 00 00-0055	LF		5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard .....	13.02	0.95
06 65 00 00-0056	LF		5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard .....	16.73	1.05
06 65 00 00-0057	LF		5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard .....	20.95	1.07
06 65 00 00-0058	LF		5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard .....	24.85	1.10
06 65 00 00-0059	LF		3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board .....	19.95	1.07
06 65 00 00-0060	LF		5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board .....	27.01	1.10
06 65 00 00-0061	SF		1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets .....	13.75	0.95
06 65 00 00-0062	SF		3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets .....	20.21	1.05

06 70 Structural Composites (06)

06 74 Composite Gratings (06 70)

06 74 13 Fiberglass Reinforced Gratings (06 74)

06 74 13 00-0001 Molded Fiberglass Gratings And Coverings (06 74 13)

06 74 13 00-0002 Vi-Corr Resin System (06 74 13 00-0001)

Note: Orange or dark gray.

06 74 13 00-0003	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top .....	36.14	1.71
06 74 13 00-0004	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top .....	35.11	1.71
06 74 13 00-0005	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top .....	45.78	1.71
06 74 13 00-0006	SF		2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top .....	49.60	2.19
06 74 13 00-0007	SF		1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top .....	37.92	1.71
06 74 13 00-0008	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top .....	36.85	1.71
06 74 13 00-0009	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top .....	48.35	1.71
06 74 13 00-0010	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top .....	52.03	2.19
06 74 13 00-0011	SF		1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering .....	34.23	1.37

**06 Wood, Plastics, and Composites****06 70 Structural Composites****06 74 Composite Gratings**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
06 74 13 00-0012	SF	1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering .....	55.39		1.50
06 74 13 00-0013	SF	3/4 Vi-Corr Resin Polyester Resin, Fiberplate Covering .....	75.88		1.65
<b>06 74 13 00-0014</b>		<b>IFR Fire Retardant Isophthalic Resin</b> (06 74 13 00-0001)			
06 74 13 00-0015	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	33.25		1.71
06 74 13 00-0016	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top .....	31.15		1.71
06 74 13 00-0017	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	40.05		1.71
06 74 13 00-0018	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	43.24		2.19
06 74 13 00-0019	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top .....	34.71		1.71
06 74 13 00-0020	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top .....	31.98		1.71
06 74 13 00-0021	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top .....	43.55		2.19
06 74 13 00-0022	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top .....	45.64		2.19
06 74 13 00-0023	SF	1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	30.18		1.37
06 74 13 00-0024	SF	1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	42.70		1.50
06 74 13 00-0025	SF	3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	58.62		1.65
<b>06 74 13 00-0026</b>		<b>Corvex Polyester Resin</b> (06 74 13 00-0001)			
		Note: Dark gray.			
06 74 13 00-0027	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top .....	28.23		1.71
06 74 13 00-0028	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top .....	27.12		1.71
06 74 13 00-0029	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top .....	32.85		1.71
06 74 13 00-0030	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top .....	37.78		2.19
06 74 13 00-0031	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top.....	30.08		1.71
06 74 13 00-0032	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top .....	28.95		1.71
06 74 13 00-0033	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top.....	34.99		1.71
06 74 13 00-0034	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top.....	39.62		2.19
06 74 13 00-0035	SF	1/4" Corvex Polyester Resin, Fiberplate Covering .....	26.66		1.37
06 74 13 00-0036	SF	1/2" Corvex Polyester Resin, Fiberplate Covering .....	42.51		1.50
06 74 13 00-0037	SF	3/4" Corvex Polyester Resin, Fiberplate Covering .....	58.93		1.65
<b>06 74 13 00-0038</b>		<b>XFR Extra Fire Retardant</b> (06 74 13 00-0001)			
06 74 13 00-0039	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top .....	41.48		1.71
06 74 13 00-0040	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top .....	40.28		1.71
06 74 13 00-0041	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top .....	55.10		1.71
06 74 13 00-0042	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top .....	58.89		2.19
06 74 13 00-0043	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	43.29		1.71
06 74 13 00-0044	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	42.11		1.71
06 74 13 00-0045	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	57.24		1.71
06 74 13 00-0046	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	61.49		2.19
06 74 13 00-0047	SF	1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering .....	39.19		1.37
06 74 13 00-0048	SF	1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering .....	63.34		1.50
<b>06 74 13 00-0049</b>		<b>ELS Extremely Low Smoke Resin</b> (06 74 13 00-0001)			
06 74 13 00-0050	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremely Low Smoke Resin, Meniscus Top .....	42.54		1.71
06 74 13 00-0051	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Meniscus Top .....	41.25		1.71
06 74 13 00-0052	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Meniscus Top .....	53.62		1.71
06 74 13 00-0053	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremely Low Smoke Resin, Meniscus Top .....	57.50		2.19
06 74 13 00-0054	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top.....	44.21		1.71
06 74 13 00-0055	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top.....	43.15		1.71
06 74 13 00-0056	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top.....	55.68		1.71
06 74 13 00-0057	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top.....	59.59		2.19
06 74 13 00-0058	SF	1/4" ELS Extremely Low Smoke Resin, Fiberplate Covering .....	43.80		1.37
06 74 13 00-0059	SF	1/2" ELS Extremely Low Smoke Resin, Fiberplate Covering .....	78.91		1.50
<b>06 74 13 00-0060</b>		<b>Pultruded Fiberglass Grating</b> (06 74 13)			
<b>06 74 13 00-0061</b>		<b>ISOFR Isophthalic Polyester Resin System</b> (06 74 13 00-0060)			
		Note: For moderately corrosive environments, green.			
<b>06 74 13 00-0062</b>		<b>1" ISOFR Isophthalic Polyester Resin System</b> (06 74 13 00-0061)			
06 74 13 00-0063	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	30.28		2.19
06 74 13 00-0064	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	26.88		1.71
06 74 13 00-0065	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin .....	34.23		2.19
06 74 13 00-0066	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin .....	31.66		1.71
06 74 13 00-0067	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin .....	23.64		2.19
06 74 13 00-0068	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin .....	20.95		1.71
06 74 13 00-0069	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin .....	27.06		2.19
06 74 13 00-0070	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin .....	24.44		1.71
<b>06 74 13 00-0071</b>		<b>1-1/2" ISOFR Isophthalic Polyester Resin System</b> (06 74 13 00-0061)			
06 74 13 00-0072	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	34.19		2.19
06 74 13 00-0073	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	30.88		1.71
06 74 13 00-0074	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin .....	38.42		2.19
06 74 13 00-0075	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin .....	36.05		1.71
06 74 13 00-0076	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin .....	30.06		2.19
06 74 13 00-0077	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin .....	27.44		1.71
<b>06 74 13 00-0078</b>		<b>2" ISOFR Isophthalic Polyester Resin System</b> (06 74 13 00-0061)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 74 13 00-0079	SF		2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	29.71	2.19
06 74 13 00-0080	SF		2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	32.87	2.19
06 74 13 00-0081	SF		2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin .....	39.71	2.19
06 74 13 00-0082	SF		2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin .....	37.48	2.19

06 74 13 00-0083 VERF Vinyl Ester Resin System (06 74 13 00-0080)

06 74 13 00-0084 1" VERF Vinyl Ester Resin System (06 74 13 00-0083)

06 74 13 00-0085	SF	1"	Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin .....	32.06	1.71
06 74 13 00-0086	SF	1"	Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin .....	28.67	1.71
06 74 13 00-0087	SF	1"	Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin .....	36.05	1.71
06 74 13 00-0088	SF	1"	Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin .....	41.37	1.71
06 74 13 00-0089	SF	1"	Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VERF Vinyl Ester Resin .....	24.62	1.71
06 74 13 00-0090	SF	1"	Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VERF Vinyl Ester Resin .....	22.00	1.71
06 74 13 00-0091	SF	1"	Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin .....	28.26	1.71
06 74 13 00-0092	SF	1"	Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin .....	25.93	1.71

06 74 13 00-0093 1-1/2" VERF Vinyl Ester Resin System (06 74 13 00-0083)

06 74 13 00-0094	SF	1-1/2"	Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin .....	35.19	1.71
06 74 13 00-0095	SF	1-1/2"	Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin .....	31.84	1.71
06 74 13 00-0096	SF	1-1/2"	Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin .....	40.22	1.71
06 74 13 00-0097	SF	1-1/2"	Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin .....	37.56	1.71
06 74 13 00-0098	SF	1-1/2"	Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin .....	31.63	1.71
06 74 13 00-0099	SF	1-1/2"	Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin .....	29.14	1.71

06 74 13 00-0100 2" VERF Vinyl Ester Resin System (06 74 13 00-0083)

06 74 13 00-0101	SF	2"	Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin .....	31.21	2.19
06 74 13 00-0102	SF	2"	Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin .....	28.79	2.19
06 74 13 00-0103	SF	2"	Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VERF Vinyl Ester Resin .....	41.81	2.19
06 74 13 00-0104	SF	2"	Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VERF Vinyl Ester Resin .....	40.61	2.19

06 80 Composite Fabrications (06)

06 82 Composite Trim (06 80)

06 82 00 00-0001 Fiberglass Castings (06 82)

06 82 00 00-0002 Fiberglass Angle, Equal Legs (06 82 00 00-0001)

06 82 00 00-0003	LF	1" x 1"	1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	8.07	2.85
06 82 00 00-0004	LF	1" x 1"	1/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin .....	8.44	2.85
06 82 00 00-0005	LF	3" x 3"	1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	14.88	3.43
06 82 00 00-0006	LF	3" x 3"	1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin .....	16.39	3.43
06 82 00 00-0007	LF	4" x 4"	1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	16.48	3.43
06 82 00 00-0008	LF	4" x 4"	1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin .....	17.58	3.43
06 82 00 00-0009	LF	4" x 4"	3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	19.05	3.43
06 82 00 00-0010	LF	4" x 4"	3/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin .....	21.40	3.43
06 82 00 00-0011	LF	6" x 6"	1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	50.82	4.29
06 82 00 00-0012	LF	6" x 6"	1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin .....	58.38	4.29

06 82 00 00-0013 Fiberglass Channels (06 82 00 00-0001)

06 82 00 00-0014	LF	3" x 1"	1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin .....	9.34	4.29
06 82 00 00-0015	LF	3" x 1"	1/4" Fiberglass Channel, VERF Vinyl Ester Resin .....	9.71	4.29
06 82 00 00-0016	LF	4" x 1"	1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin .....	19.13	4.85
06 82 00 00-0017	LF	4" x 1"	1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin .....	19.13	4.85
06 82 00 00-0018	LF	6" x 1"	11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin .....	29.75	4.85
06 82 00 00-0019	LF	6" x 1"	11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin .....	34.53	4.85
06 82 00 00-0020	LF	8" x 2"	3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin .....	27.97	4.85
06 82 00 00-0021	LF	8" x 2"	3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin .....	33.87	4.85
06 82 00 00-0022	LF	10" x 2-3/4"	1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin .....	42.64	6.67
06 82 00 00-0023	LF	10" x 2-3/4"	1/2" Fiberglass Channel, VERF Vinyl Ester Resin .....	48.79	6.67

06 82 00 00-0024 Fiberglass Wide Flange Beams (06 82 00 00-0001)

06 82 00 00-0025	LF	4" x 4"	1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin .....	26.22	5.71
06 82 00 00-0026	LF	4" x 4"	1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin .....	28.61	5.71
06 82 00 00-0027	LF	6" x 6"	1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin .....	33.50	6.85
06 82 00 00-0028	LF	6" x 6"	1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin .....	34.64	6.85
06 82 00 00-0029	LF	8" x 8"	3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin .....	53.74	8.56
06 82 00 00-0030	LF	8" x 8"	3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin .....	67.18	8.56
06 82 00 00-0031	LF	10" x 10"	1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin .....	118.35	10.47
06 82 00 00-0032	LF	10" x 10"	1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin .....	133.05	10.47

06 82 00 00-0033 Fiberglass Flat Sheet (06 82 00 00-0001)

Note: Not to be used for bathroom board.					
06 82 00 00-0034	SF	1/8"	Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin .....	21.69	4.85
06 82 00 00-0035	SF	1/8"	Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin .....	22.62	4.85
06 82 00 00-0036	SF	1/4"	Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin .....	33.85	5.71
06 82 00 00-0037	SF	1/4"	Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin .....	38.85	5.71

**06 Wood, Plastics, and Composites****06 80 Composite Fabrications****06 82 Composite Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0038	SF		3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin .....	45.83	6.85
06 82 00 00-0039	SF		3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin .....	53.33	6.85
06 82 00 00-0040	SF		1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin .....	61.72	8.56
06 82 00 00-0041	SF		1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin .....	73.19	8.56
<b>06 82 00 00-0042</b>			<b>Fiberglass Bars</b> (06 82 00 00-0001)		
<b>06 82 00 00-0043</b>			<b>Square Bars</b> (06 82 00 00-0042)		
06 82 00 00-0044	LF		1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin.....	12.96	3.43
06 82 00 00-0045	LF		1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin .....	18.47	5.04
06 82 00 00-0046	LF		1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin.....	21.63	6.67
<b>06 82 00 00-0047</b>			<b>Round Bars</b> (06 82 00 00-0042)		
06 82 00 00-0048	LF		1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin.....	8.40	2.85
06 82 00 00-0049	LF		1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin.....	17.82	4.29
06 82 00 00-0050	LF		1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin.....	20.09	4.29
06 82 00 00-0051	LF		1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin.....	26.47	4.29
06 82 00 00-0052	LF		1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin.....	31.59	4.85
<b>06 82 00 00-0053</b>			<b>Fiberglass Tubes</b> (06 82 00 00-0001)		
<b>06 82 00 00-0054</b>			<b>Square Tube</b> (06 82 00 00-0053)		
06 82 00 00-0055	LF		1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin .....	9.43	2.85
06 82 00 00-0056	LF		1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin .....	10.17	2.85
06 82 00 00-0057	LF		2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin .....	13.86	3.43
06 82 00 00-0058	LF		2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin .....	15.16	3.43
06 82 00 00-0059	LF		3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin .....	26.19	4.29
06 82 00 00-0060	LF		3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin .....	29.18	4.29
06 82 00 00-0061	LF		4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin .....	30.82	5.14
06 82 00 00-0062	LF		4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin .....	39.17	5.14
<b>06 82 00 00-0063</b>			<b>Round Tube</b> (06 82 00 00-0053)		
06 82 00 00-0064	LF		1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin.....	9.04	2.85
06 82 00 00-0065	LF		1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin.....	9.38	2.85
06 82 00 00-0066	LF		2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin.....	16.75	3.43
06 82 00 00-0067	LF		2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin.....	17.85	3.43
<b>06 82 00 00-0068</b>			<b>Fiberglass Threaded Rods</b> (06 82 00 00-0001)		
06 82 00 00-0069	LF		3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin .....	12.03	2.19
06 82 00 00-0070	LF		1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin .....	12.79	2.19
06 82 00 00-0071	LF		5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin .....	14.68	2.47
06 82 00 00-0072	LF		3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin .....	16.15	2.47
06 82 00 00-0073	LF		1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin .....	17.82	2.47
<b>06 82 00 00-0074</b>			<b>Grating Support Legs, VEFR Resin</b> (06 82 00 00-0001)		
06 82 00 00-0075	EA		Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings.....	21.06	
06 82 00 00-0076	EA		Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings.....	9.02	
06 82 00 00-0077	EA		Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings.....	33.93	
<b>06 82 00 00-0078</b>			<b>Fiberglass Netting</b> (06 82 00 00-0001)		
06 82 00 00-0079	SF		1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting .....	0.64	0.30
06 82 00 00-0080	SF		1/2" x 2" Mesh, Clear Flexible Fiberglass Netting .....	0.64	0.30
06 82 00 00-0081	SF		3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting .....	0.64	0.30
06 82 00 00-0082	SF		7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting .....	0.64	0.30
06 82 00 00-0083	SF		1" x 1" Mesh, Clear Flexible Fiberglass Netting .....	0.64	0.30
06 82 00 00-0084	SF		1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting .....	0.63	0.30
06 82 00 00-0085	SF		1/2" x 2" Mesh, Green Flexible Fiberglass Netting .....	0.63	0.30
06 82 00 00-0086	SF		3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting.....	0.63	0.30
06 82 00 00-0087	SF		7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting.....	0.63	0.30
06 82 00 00-0088	SF		1" x 1" Mesh, Green Flexible Fiberglass Netting.....	0.63	0.30
<b>06 82 00 00-0089</b>			<b>Fiberglass Stair Treads</b> (06 82)		
<b>06 82 00 00-0090</b>			<b>Fiberglass Stair Treads</b> (06 82 00 00-0089)		
<b>06 82 00 00-0091</b>			<b>10-1/2" Deep Isophthalic Resin System</b> (06 82 00 00-0090)		
06 82 00 00-0092	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System .....	77.87	14.95
06 82 00 00-0093	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System .....	89.91	14.95
06 82 00 00-0094	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System .....	101.94	14.95
06 82 00 00-0095	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System .....	113.97	14.95
06 82 00 00-0096	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System .....	85.09	14.95
06 82 00 00-0097	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System .....	98.93	14.95
06 82 00 00-0098	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System .....	112.77	14.95
06 82 00 00-0099	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System .....	126.61	14.95
06 82 00 00-0100	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System .....	96.16	14.95
06 82 00 00-0101	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System .....	112.77	14.95
06 82 00 00-0102	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System .....	129.37	14.95



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0103	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System .....	145.98	14.95
<b>06 82 00 00-0104</b>		<b>12" Deep Isophthalic Resin System</b> <small>(06 82 00 00-0090)</small>		
06 82 00 00-0105	EA	1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System .....	84.75	14.95
06 82 00 00-0106	EA	1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System .....	98.50	14.95
06 82 00 00-0107	EA	1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System .....	112.26	14.95
06 82 00 00-0108	EA	1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System .....	126.01	14.95
06 82 00 00-0109	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System .....	93.00	14.95
06 82 00 00-0110	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System .....	108.82	14.95
06 82 00 00-0111	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System .....	124.63	14.95
06 82 00 00-0112	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System .....	140.45	14.95
06 82 00 00-0113	EA	2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System .....	105.65	14.95
06 82 00 00-0114	EA	2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System .....	124.63	14.95
06 82 00 00-0115	EA	2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System .....	143.61	14.95
06 82 00 00-0116	EA	2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System .....	162.59	14.95
<b>06 82 00 00-0117</b>		<b>Other Fiberglass</b> <small>(06 82)</small>		
<b>06 82 00 00-0118</b>		<b>Fiberglass Splash Blocks</b> <small>(06 82 00 00-0117)</small>		
06 82 00 00-0119	EA	Standard Size Fiberglass Splash Block .....	13.86	3.01
<b>06 83</b>		<b>Composite Paneling</b> <small>(06 80)</small>		
<b>06 83 16</b>		<b>Fiberglass Reinforced Paneling</b> <small>(06 83)</small>		
<b>06 83 16 00-0001</b>		<b>Fiberglass Reinforced Polyester (FRP) Panels</b> <small>(06 83 16)</small>		
		Note: Includes adhesive and trim.		
06 83 16 00-0002	SF	Fiberglass Reinforced Polyester (FRP) Paneling .....	4.14	1.51
		Note: Including Adhesive And Trim		

END OF SECTION 06

**06 Wood, Plastics, and Composites**

06 80 Composite Fabrications

06 83 Composite Paneling

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 Thermal And Moisture Protection

07 01 Operation and Maintenance of Thermal and Moisture Protection <sup>(07)</sup>

07 01 50 Maintenance of Membrane Roofing <sup>(07 01)</sup>

**07 01 50 19 Preparation for Re-Roofing** <sup>(07 01 50)</sup>

07 01 50 19-0001 Preparation For Re-Roofing <sup>(07 01 50 19)</sup>

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal .....	25.18
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal.....	44.43

**07 01 50 81 Roof Replacement** <sup>(07 01 50)</sup>

07 01 50 81-0001 Roof Repair <sup>(07 01 50 81)</sup>

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Up To 10 SF Roof Repair, Built-Up Roofing.....	17.90
07 01 50 81-0003	SF	>10 To 25 SF Roof Repair, Built-Up Roofing .....	15.96
07 01 50 81-0004	SF	>25 To 50 SF Roof Repair, Built-Up Roofing .....	14.48
07 01 50 81-0005	SF	>50 To 100 SF Roof Repair, Built-Up Roofing .....	13.47
07 01 50 81-0006	SF	Up To 10 SF Roof Repair, Membrane Roofing .....	19.99
07 01 50 81-0007	SF	>10 To 25 SF Roof Repair, Membrane Roofing .....	18.05
07 01 50 81-0008	SF	>25 To 50 SF Roof Repair, Membrane Roofing.....	16.57
07 01 50 81-0009	SF	>50 To 100 SF Roof Repair, Membrane Roofing.....	15.56
07 01 50 81-0010	SF	Up To 10 SF Roof Repair, Shingle Roofing .....	15.82
07 01 50 81-0011	SF	>10 To 25 SF Roof Repair, Shingle Roofing .....	14.09
07 01 50 81-0012	SF	>25 To 50 SF Roof Repair, Shingle Roofing .....	12.81
07 01 50 81-0013	SF	>50 To 100 SF Roof Repair, Shingle Roofing.....	12.01
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair.....	6.03

07 01 50 81-0015 Emergency Roof Patch <sup>(07 01 50 81)</sup>

Note: 4 Hour response time.

07 01 50 81-0016	EA	Mobilize For Emergency Roof Patching.....	388.25
07 01 50 81-0017	EA	Granule Emergency Roof Patch Cover 16 SF .....	70.92

07 01 50 81-0018 Adhesives <sup>(07 01 50 81)</sup>

Note: For repair of seams.

07 01 50 81-0019 Mastic Sealer <sup>(07 01 50 81-0018)</sup>

07 01 50 81-0020 Applied At Joints Only <sup>(07 01 50 81-0019)</sup>

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint.....	3.85	1.65
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**07 01 50 91 Roofing Restoration** <sup>(07 01 50)</sup>

07 01 50 91-0001 Pressure Wash Membrane Roofing <sup>(07 01 50 91)</sup>

07 01 50 91-0002	SF	Up To 2,500 PSI, Pressure Wash Membrane Roofing.....	0.14
		For Up To 100, Add	0.11
		For >100 To 250, Add	0.05
		For >250 To 500, Add	0.02
		For >5,000 To 10,000, Deduct	-0.01
		For >10,000 To 15,000, Deduct	-0.01
		For >15,000 To 30,000, Deduct	-0.02
		For >30,000, Deduct	-0.03

07 05 Common Work Results for Thermal and Moisture Protection <sup>(07)</sup>

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work <sup>(07 05)</sup>

07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work <sup>(07 05 13)</sup>

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.

07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work.....	1,168.48
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work .....	874.26
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work .....	584.24
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work .....	291.42

07 10 Dampproofing and Waterproofing <sup>(07)</sup>

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

07 11 Dampproofing <sup>(07 10)</sup>

**07 Thermal And Moisture Protection****07 10 Dampproofing and Waterproofing****07 11 Dampproofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**07 11 13 Bituminous Dampproofing (07 11)**

07 11 13 00-0001	Fibrous Asphalt Dampproofing, Brush, Roller Or Spray (07 11 13)		
07 11 13 00-0002	CSF 1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray .....	140.93	
07 11 13 00-0003	CSF 2 Coats, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray .....	218.70	
07 11 13 00-0004	Fibrous Asphalt Dampproofing, Troweled On (07 11 13)		
07 11 13 00-0005	CSF Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On .....	240.80	
07 11 13 00-0006	CSF Primer And 2 Coats, Fibrous Asphalt Dampproofing, Troweled On .....	371.23	
07 11 13 00-0007	Asphaltic Paint Dampproofing (07 11 13)		
07 11 13 00-0008	CSF 1 Coat, Asphaltic Paint Dampproofing, Brushed On .....	113.93	
07 11 13 00-0009	CSF 2 Coats, Asphaltic Paint Dampproofing, Brushed On .....	210.35	

**07 11 19 Sheet Dampproofing (07 11)**

07 11 19 00-0001	Neoprene (07 11 19)		
07 11 19 00-0002	SF 1/16" Patch Neoprene Roof (5 To 20 SF) .....	31.23	

**07 13 Sheet Waterproofing (07 10)****07 13 13 Bituminous Sheet Waterproofing (07 13)**

07 13 13 00-0001	15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped (07 13 13)		
07 13 13 00-0002	CSF 1 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....	270.75	95.18
	<i>For 30 LB Felt, Add</i>	60.29	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-28.55	
07 13 13 00-0003	CSF 2 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....	340.65	107.08
	<i>For 30 LB Felt, Add</i>	94.88	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-32.12	
07 13 13 00-0004	CSF 3 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....	410.56	118.97
	<i>For 30 LB Felt, Add</i>	129.46	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-35.69	
07 13 13 00-0005	CSF 4 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....	480.45	130.87
	<i>For 30 LB Felt, Add</i>	164.03	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-39.26	
07 13 13 00-0006	CSF 5 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....	550.36	142.77
	<i>For 30 LB Felt, Add</i>	198.62	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-42.83	
07 13 13 00-0007	Asphalt Coated Protective Board (07 13 13)		
07 13 13 00-0008	CSF 1/8" Asphalt Coated Protective Board .....	227.56	93.62
	<i>For Application To Horizontal Surfaces, Deduct</i>	-31.22	
07 13 13 00-0009	CSF 1/4" Asphalt Coated Protective Board .....	289.41	97.22
	<i>For Application To Horizontal Surfaces, Deduct</i>	-32.41	
07 13 13 00-0010	CSF 3/8" Asphalt Coated Protective Board .....	363.85	101.30
	<i>For Application To Horizontal Surfaces, Deduct</i>	-33.76	
07 13 13 00-0011	CSF 1/2" Asphalt Coated Protective Board .....	402.78	105.39
	<i>For Application To Horizontal Surfaces, Deduct</i>	-35.13	

**07 13 53 Elastomeric Sheet Waterproofing (07 13)**

07 13 53 00-0001	Rubberized Membrane Sheet (07 13 53)		
07 13 53 00-0002	SF 215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface .....	6.02	0.97
	<i>For Floor Surfaces, Deduct</i>	-0.94	
07 13 53 00-0003	Ethylene Propylene Diene Monomer (EPDM) (07 13 53)		
07 13 53 00-0004	CSF 45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane .....	406.96	136.10
	<i>For Application To Horizontal Surfaces, Deduct</i>	-40.82	
07 13 53 00-0005	CSF 60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane .....	469.17	136.10
	<i>For Application To Horizontal Surfaces, Deduct</i>	-40.82	
07 13 53 00-0006	Butyl Sheet Waterproofing (07 13 53)		
07 13 53 00-0007	CSF 1/32" Butyl Sheet Waterproofing .....	101.69	34.02
	<i>For Joint Taping, Add</i>	12.93	
	<i>For Each Additional Ply, Add</i>	74.59	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-5.11	
07 13 53 00-0008	CSF 1/16" Butyl Sheet Waterproofing .....	123.20	34.02
	<i>For Joint Taping, Add</i>	14.00	
	<i>For Each Additional Ply, Add</i>	89.65	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-5.11	
07 13 53 00-0009	Butyl With Nylon (07 13 53)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0010	CSF		1/32" Butyl Elastomeric Waterproofing With Nylon ..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	113.99 13.54 83.20 -5.11	34.02
07 13 53 00-0011	CSF		1/16" Butyl Elastomeric Waterproofing With Nylon ..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	127.82 14.23 92.88 -5.11	34.02
<b>07 13 53 00-0012</b>	<b>Neoprene Sheet Waterproofing (07 13 53)</b>				
07 13 53 00-0013	CSF		1/32" Neoprene Sheet Waterproofing ..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	184.74 17.08 132.73 -5.11	34.02
07 13 53 00-0014	CSF		1/16" Neoprene Sheet Waterproofing ..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	276.30 21.66 196.82 -5.11	34.02
<b>07 13 53 00-0015</b>	<b>Neoprene With Nylon (07 13 53)</b>				
07 13 53 00-0016	CSF		1/32" Neoprene Elastomeric Waterproofing With Nylon..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	194.30 17.56 139.42 -5.11	34.02
07 13 53 00-0017	CSF		1/16" Neoprene Elastomeric Waterproofing With Nylon..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	291.57 22.42 207.51 -5.11	34.02
<b>07 13 53 00-0018</b>	<b>Plastic Vapor Barrier (Polyethylene) (07 13 53)</b>				
07 13 53 00-0019	CSF		4 Mil Polyethylene Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	33.34 8.18 26.17 -4.25	12.79
07 13 53 00-0020	CSF		6 Mil Polyethylene Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	34.06 8.21 26.67 -4.25	12.79
07 13 53 00-0021	CSF		10 Mil Polyethylene Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	52.55 9.14 39.62 -4.25	12.79
07 13 53 00-0022	CSF		60 Mil Polyethylene Vapor Barrier With Bentonite ..... <i>Note: Includes seam tape, liquid mastic, anchors and termination bar.</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	148.05 106.78 -4.72	12.79
<b>07 13 53 00-0023</b>	<b>Plastic Vapor Barrier (PVC) (07 13 53)</b>				
07 13 53 00-0024	CSF		10 Mil Polyvinyl Chloride (PVC) Vapor Barrier ..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	52.95 9.16 39.90 -4.25	14.15
07 13 53 00-0025	CSF		20 Mil Polyvinyl Chloride (PVC) Vapor Barrier ..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	71.97 10.36 53.32 -4.41	14.67
07 13 53 00-0026	CSF		30 Mil Polyvinyl Chloride (PVC) Vapor Barrier ..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	97.64 11.87 71.39 -4.56	15.19
<b>07 13 53 00-0027</b>	<b>Vinyl Plastic Vapor Barrier (07 13 53)</b>				
07 13 53 00-0028	CSF		4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4) .....	37.32	13.10
<b>07 14</b>	<b>Fluid-Applied Waterproofing (07 10)</b>				
<b>07 14 13</b>	<b>Hot Fluid-Applied Rubberized Asphalt Waterproofing (07 14)</b>				
<b>07 14 13 00-0001</b>	<b>Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)</b>				
07 14 13 00-0002	SF		90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface..... <i>Note: Includes primer.</i> <i>For Application To Horizontal Surfaces, Deduct</i> <i>For Reinforcing Fabric, Add</i>	1.91 -0.18 0.41	
07 14 13 00-0003	SF		125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface..... <i>Note: Includes primer.</i> <i>For Application To Horizontal Surfaces, Deduct</i> <i>For Reinforcing Fabric, Add</i>	2.24 -0.19 0.41	
<b>07 14 16</b>	<b>Cold Fluid-Applied Waterproofing (07 14)</b>				
07 14 16 00-0001			Fluid Applied Rubber Based Polyurethane (07 14 16)		

**07 Thermal And Moisture Protection****07 10 Dampproofing and Waterproofing****07 14 Fluid-Applied Waterproofing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 14 16 00-0002	SF	60 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats <i>For Application To Horizontal Surfaces, Deduct</i>	3.45 -0.41	
07 14 16 00-0003	SF	90 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats <i>For Application To Horizontal Surfaces, Deduct</i>	3.93 -0.43	
07 14 16 00-0004	SF	120 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats <i>For Application To Horizontal Surfaces, Deduct</i>	4.47 -0.46	
07 14 16 00-0005		<b>One Part Solution Of Chlorosulfonated Polyethylene Polymer</b> (07 14 16)		
07 14 16 00-0006	SF	15 Mil Finish Coat, Chlorosulfonated Polyethylene (CSM) Polymer, 1 Part Solution	2.29	
07 14 16 00-0007		<b>Copolymer Compound</b> (07 14 16)		
07 14 16 00-0008	SF	Fluid Elastomeric Copolymer Compound For Slabs 32 Mil	3.67	
07 14 16 00-0009		<b>Fluid Applied Neoprene</b> (07 14 16)		
07 14 16 00-0010	CSF	1/8" Fiberglass Reinforced, Fluid Neoprene <i>For Application To Horizontal Surfaces, Deduct</i>	428.41 -49.58	
07 14 16 00-0011	CSF	50 Mil, 4 Coats, Fluid Neoprene <i>For Application To Horizontal Surfaces, Deduct</i>	877.20 -97.27	
07 14 16 00-0012	CSF	90 Mil, 4 Coats, Fluid Neoprene <i>For Application To Horizontal Surfaces, Deduct</i>	1,429.67 -145.83	
07 16		<b>Cementitious and Reactive Waterproofing</b> (07 10)		
07 16 13		<b>Polymer Modified Cement Waterproofing</b> (07 16)		
07 16 13 00-0001	SF	Polymer Modified Cementitious Waterproofing Assembly, 2 Coats Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.	4.00	
07 16 16		<b>Crystalline Waterproofing</b> (07 16)		
07 16 16 00-0001	SF	Crystalline Cementitious Waterproofing, 2 Coats (Xypex Concentrate)	5.02	
07 16 19		<b>Metal Oxide Waterproofing</b> (07 16)		
07 16 19 00-0001		<b>Metallic Oxide Waterproofing</b> (07 16 19) Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.		
07 16 19 00-0002	CSF	Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller) <i>For Application To Horizontal Surfaces, Deduct</i>	430.06 -55.87	
07 17		<b>Bentonite Waterproofing</b> (07 10)		
07 17 13		<b>Bentonite Panel Waterproofing</b> (07 17)		
07 17 13 00-0001	CSF	3/16" Bentonite Waterproofing Panels <i>For Application To Horizontal Surfaces, Deduct</i>	353.32 -33.52	111.71
07 17 13 00-0002	CSF	1/4" Bentonite Waterproofing Panels <i>For Application To Horizontal Surfaces, Deduct</i>	332.58 -36.27	118.03
07 17 13 00-0003	CSF	5/8" Bentonite Waterproofing Panels <i>For Application To Horizontal Surfaces, Deduct</i>	435.75 -36.92	123.08
07 17 13 00-0004	CSF	3/8" Granular Bentonite, Troweled <i>For Application To Horizontal Surfaces, Deduct</i>	353.06 -30.70	102.37
07 18		<b>Traffic Coatings</b> (07 10)		
07 18 13		<b>Pedestrian Traffic Coatings</b> (07 18)		
07 18 13 00-0001		<b>One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)</b> (07 18 13) Note: For pedestrian and vehicular traffic. Includes 10 year warranty. Excludes surface preparation, deck crack repair, joint sealants or markings.		
07 18 13 00-0002	SQ	Concrete/Metal Primer (Garland Dura-Walk®)	54.01	
07 18 13 00-0003	SQ	Base Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	347.22	
07 18 13 00-0004	SQ	Wear Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	202.68	
07 18 13 00-0005	SQ	Top Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	241.28	
07 18 13 00-0006	LF	6" Wide, Poly Joint Tape (Garland Dura-Walk®)	1.30	
07 18 16		<b>Vehicular Traffic Coatings</b> (07 18)		
07 18 16 00-0001		<b>Preparation For Vehicular Traffic Coating</b> (07 18 16) See CSI section 03 01 30 71-0035 for crack repairs, 32 17 23 00-0000 for pavement markings.		
07 18 16 00-0002	SF	Grinding Of Existing Concrete Floor Prior To Installation Of Deck Coating	1.03	
07 18 16 00-0003	SF	Shot Blasting Concrete Surface For Vehicular Traffic Coating	1.68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**07 18 16 00-0004 Vehicular Traffic Coating (Sika) (07 18 16)**  
 Note: Excludes surface preparation, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0035 for crack repairs, 07 18 16 00-0001 for surface preparation, 32 17 23 00-0000 for pavement markings.

07 18 16 00-0005	SF	23 Mil Thick, Traffic Coating, Two-Component, Elastomeric Polyurethane Waterproofing, Concrete Coating With Primer (Sika Sikalastic® 720).....	3.08	
Note: Excludes crack repair or caulking.				
07 18 16 00-0006	SF	12 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL).....	1.92	
Note: Excludes crack repair or caulking.				
07 18 16 00-0007	SF	14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL).....	2.02	
Note: Excludes crack repair or caulking.				
07 18 16 00-0008	SF	16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL).....	2.13	
Note: Excludes crack repair or caulking.				
07 18 16 00-0009	SF	18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL).....	2.22	
Note: Excludes crack repair or caulking.				
07 18 16 00-0010	SF	14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured).....	2.08	
Note: Excludes crack repair or caulking.				
07 18 16 00-0011	SF	16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured).....	2.25	
Note: Excludes crack repair or caulking.				
07 18 16 00-0012	SF	18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured).....	2.42	
Note: Excludes crack repair or caulking.				

**07 19 Water Repellents (07 19)**

**07 19 13 Acrylic Sealer (07 19)**  
 Note: Per coat.

07 19 13 00-0001	SF	Spray On Concrete, Acrylic Sealer .....	2.12	
07 19 13 00-0002	SF	Spray On Concrete Block/Brick, Acrylic Sealer.....	2.52	
07 19 13 00-0003	SF	Spray On Stone, Acrylic Sealer.....	2.78	

**07 19 16 Silane Water Repellents (07 19)**

**07 19 16 00-0001 Silane Concrete Sealer (07 19 16)**

07 19 16 00-0002	SF	Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB).....	0.54	
07 19 16 00-0003	SF	Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB).....	0.80	

**07 19 16 00-0004 Silane/Siloxane Concrete Sealer (07 19 16)**

07 19 16 00-0005	SF	Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) .....	0.94	
Note: 40% silane, alcohol based.				
07 19 16 00-0006	SF	Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) .....	1.37	
Note: 40% silane, alcohol based.				
07 19 16 00-0007	SF	Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB).....	0.38	
Note: 200 SF/GAL				
07 19 16 00-0008	SF	Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB) .....	0.55	

**07 20 Thermal Protection (07)**

**07 21 Thermal Insulation (07 20)**

**07 21 13 Board Insulation (07 21)**  
 Note: Types are stock sizes, mastic applied.

**07 21 13 13 Foam Board Insulation (07 21 13)**

**07 21 13 13-0001 Cold Adhesive Applied Foam Board Insulation (07 21 13 13)**

**07 21 13 13-0002 Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation (07 21 13 13-0001)**

07 21 13 13-0003	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	3.15	0.36
For Horizontal Surface Application, Deduct			-0.06	
For Vapor Barrier, Integral With Insulation, Add			0.05	
07 21 13 13-0004	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied .....	4.39	0.36
For Horizontal Surface Application, Deduct			-0.06	
For Vapor Barrier, Integral With Insulation, Add			0.05	
07 21 13 13-0005	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	5.22	0.37
For Horizontal Surface Application, Deduct			-0.06	
For Vapor Barrier, Integral With Insulation, Add			0.05	
07 21 13 13-0006	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied .....	6.88	0.38
For Horizontal Surface Application, Deduct			-0.06	
For Vapor Barrier, Integral With Insulation, Add			0.05	

## 07 Thermal And Moisture Protection

## 07 20 Thermal Protection

## 07 21 Thermal Insulation

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13	13-0007		<b>Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation</b> (07 21 13 13-0001)		
07 21 13	13-0008	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.39	0.36
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13	13-0009	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.47	0.36
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13	13-0010	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.67	0.36
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13	13-0011	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.87	0.36
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13	13-0012	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	2.67	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13	13-0013	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	3.48	0.38
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13	13-0014	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	4.28	0.39
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13	13-0015	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	5.09	0.40
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13	13-0016	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	5.89	0.40
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13	13-0017		<b>Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation</b> (07 21 13 13-0001)		
			Note: 15 PSI compressive strength.		
07 21 13	13-0018	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	1.57	0.36
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.16	
			<i>For 40 PSI Compressive Strength, Add</i>	0.37	
			<i>For 60 PSI Compressive Strength, Add</i>	0.60	
			<i>For 115 PSI Compressive Strength, Add</i>	2.58	
07 21 13	13-0019	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	1.83	0.36
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.20	
			<i>For 40 PSI Compressive Strength, Add</i>	0.47	
			<i>For 60 PSI Compressive Strength, Add</i>	0.75	
			<i>For 115 PSI Compressive Strength, Add</i>	3.25	
07 21 13	13-0020	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.05	0.36
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.23	
			<i>For 40 PSI Compressive Strength, Add</i>	0.55	
			<i>For 60 PSI Compressive Strength, Add</i>	0.87	
			<i>For 115 PSI Compressive Strength, Add</i>	3.79	
07 21 13	13-0021	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.16	0.36
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.25	
			<i>For 40 PSI Compressive Strength, Add</i>	0.59	
			<i>For 60 PSI Compressive Strength, Add</i>	0.93	
			<i>For 115 PSI Compressive Strength, Add</i>	4.07	
07 21 13	13-0022	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	3.25	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.42	
			<i>For 40 PSI Compressive Strength, Add</i>	1.00	
			<i>For 60 PSI Compressive Strength, Add</i>	1.56	
			<i>For 115 PSI Compressive Strength, Add</i>	6.85	
07 21 13	13-0023	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	4.35	0.38
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.60	
			<i>For 40 PSI Compressive Strength, Add</i>	1.41	
			<i>For 60 PSI Compressive Strength, Add</i>	2.19	
			<i>For 115 PSI Compressive Strength, Add</i>	9.62	
07 21 13	13-0024	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	4.91	0.39
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.68	
			<i>For 40 PSI Compressive Strength, Add</i>	1.62	
			<i>For 60 PSI Compressive Strength, Add</i>	2.51	
			<i>For 115 PSI Compressive Strength, Add</i>	11.04	
07 21 13	13-0025		<b>Mechanically Fastened Foam Board Insulation</b> (07 21 13 13)		
			Note: Mechanically fastened to wood or steel.		
07 21 13	13-0026		<b>Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation</b> (07 21 13 13-0025)		
			Note: Mechanically fastened to wood or steel.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0027	SF	1"	Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened ..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.98	0.36
07 21 13 13-0028	SF	1-1/2"	Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened ..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.28	0.36
07 21 13 13-0029	SF	2"	Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened ..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.11	0.37
07 21 13 13-0030	SF	2-3/4"	Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened ..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	6.83	0.38
07 21 13 13-0031	<b>Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation (07 21 13 13-0025)</b>				
07 21 13 13-0032	SF	3/8"	Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.22	0.36
07 21 13 13-0033	SF	1/2"	Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.30	0.36
07 21 13 13-0034	SF	3/4"	Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.50	0.36
07 21 13 13-0035	SF	1"	Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.70	0.36

## 07 Thermal And Moisture Protection

## 07 20 Thermal Protection

## 07 21 Thermal Insulation

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 21 13 13-0036	SF 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	2.56	0.37
	<i>For Horizontal Surface Application, Deduct</i>	-0.06	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.59	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.96	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.94	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.53	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.93	
07 21 13 13-0037	SF 3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.43	0.38
	<i>For Horizontal Surface Application, Deduct</i>	-0.06	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.80	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.07	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.71	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.11	
07 21 13 13-0038	SF 4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	4.33	0.39
	<i>For Horizontal Surface Application, Deduct</i>	-0.06	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.65	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.93	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.17	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.26	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.91	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.28	
07 21 13 13-0039	SF 5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	5.25	0.40
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.88	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.09	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.28	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	6.30	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.15	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.44	
07 21 13 13-0040	SF 6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	6.29	0.40
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.57	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.37	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.45	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.57	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.69	
07 21 13 13-0041	Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation <small>(07 21 13 13-0025)</small>		
	Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.		
07 21 13 13-0042	SF 3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened .....	1.41	0.36
	<i>For Horizontal Surface Application, Deduct</i>	-0.06	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For 25 PSI Compressive Strength, Add</i>	0.13	
	<i>For 40 PSI Compressive Strength, Add</i>	0.31	
	<i>For 60 PSI Compressive Strength, Add</i>	0.51	
	<i>For 115 PSI Compressive Strength, Add</i>	2.17	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.66	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.51	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 21 13 13-0043	SF 1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened .....	1.66	0.36
	<i>For Horizontal Surface Application, Deduct</i>	-0.06	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For 25 PSI Compressive Strength, Add</i>	0.17	
	<i>For 40 PSI Compressive Strength, Add</i>	0.41	
	<i>For 60 PSI Compressive Strength, Add</i>	0.65	
	<i>For 115 PSI Compressive Strength, Add</i>	2.81	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.66	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.51	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0044	SF	3/4"	Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened ..... For Horizontal Surface Application, Deduct For Vapor Barrier, Integral With Insulation, Add For 25 PSI Compressive Strength, Add For 40 PSI Compressive Strength, Add For 60 PSI Compressive Strength, Add For 115 PSI Compressive Strength, Add For Mechanically Fastened To Concrete, Add For Mechanically Fastened To Gypsum, Add For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	1.88	0.36
07 21 13 13-0045	SF	1"	Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened ..... For Horizontal Surface Application, Deduct For Vapor Barrier, Integral With Insulation, Add For 25 PSI Compressive Strength, Add For 40 PSI Compressive Strength, Add For 60 PSI Compressive Strength, Add For 115 PSI Compressive Strength, Add For Mechanically Fastened To Concrete, Add For Mechanically Fastened To Gypsum, Add For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	1.99	0.36
07 21 13 13-0046	SF	2"	Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened ..... For Horizontal Surface Application, Deduct For Vapor Barrier, Integral With Insulation, Add For 25 PSI Compressive Strength, Add For 40 PSI Compressive Strength, Add For 60 PSI Compressive Strength, Add For 115 PSI Compressive Strength, Add For Mechanically Fastened To Concrete, Add For Mechanically Fastened To Gypsum, Add For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.14	0.37
07 21 13 13-0047	SF	3"	Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened ..... For Horizontal Surface Application, Deduct For Vapor Barrier, Integral With Insulation, Add For 25 PSI Compressive Strength, Add For 40 PSI Compressive Strength, Add For 60 PSI Compressive Strength, Add For 115 PSI Compressive Strength, Add For Mechanically Fastened To Concrete, Add For Mechanically Fastened To Gypsum, Add For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.30	0.38
07 21 13 13-0048	SF	4"	Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened ..... For Horizontal Surface Application, Deduct For Vapor Barrier, Integral With Insulation, Add For 25 PSI Compressive Strength, Add For 40 PSI Compressive Strength, Add For 60 PSI Compressive Strength, Add For 115 PSI Compressive Strength, Add For Mechanically Fastened To Concrete, Add For Mechanically Fastened To Gypsum, Add For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.95	0.39
<b>07 21 13 16 Fibrous Board Insulation (07 21 13)</b>					
07 21 13 16-0001			Cold Adhesive Applied Fibrous Board Insulation (07 21 13 16)		
07 21 13 16-0002			Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0001)		
07 21 13 16-0003	SF	1"	Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied..... For Horizontal Surface Application, Deduct For Vapor Barrier, Integral With Insulation, Add For Factory Painted On One Surface Add	2.05	0.45
07 21 13 16-0004	SF	2"	Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied..... For Horizontal Surface Application, Deduct For Vapor Barrier, Integral With Insulation, Add For Factory Painted On One Surface Add	3.01	0.54

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 21 13 16-0005	SF 3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i>	3.97 -0.11 0.05 0.17	0.63
<b>07 21 13 16-0006</b>	<b>Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation</b> (07 21 13 16-0001)		
07 21 13 16-0007	SF 1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i>	3.62 -0.06 0.05 0.17	0.36
07 21 13 16-0008	SF 1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied ..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i>	4.05 -0.06 0.05 0.17	0.36
07 21 13 16-0009	SF 2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i>	4.98 -0.06 0.05 0.17	0.37
07 21 13 16-0010	SF 2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied ..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i>	5.73 -0.06 0.05 0.17	0.37
07 21 13 16-0011	SF 3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i>	6.48 -0.06 0.05 0.17	0.38
<b>07 21 13 16-0012</b>	<b>Mechanically Fastened Fibrous Board Insulation</b> (07 21 13 16) Note: Mechanically fastened to wood or steel.		
<b>07 21 13 16-0013</b>	<b>Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation</b> (07 21 13 16-0012) Note: Mechanically fastened to wood or steel.		
07 21 13 16-0014	SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened ..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.88 -0.08 0.05 0.17 1.30 1.63 0.50 1.66 1.94 0.76 2.51 2.91	0.45
07 21 13 16-0015	SF 2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened ..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.90 -0.09 0.05 0.17 1.34 1.59 0.63 1.71 1.96 0.94 2.53 2.93	0.54
07 21 13 16-0016	SF 3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened ..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.91 -0.11 0.05 0.17 1.37 1.64 0.72 1.80 2.07 1.08 2.71 3.11	0.63
<b>07 21 13 16-0017</b>	<b>Mechanically Fastened, Fiberglass, Fibrous Board Insulation</b> (07 21 13 16-0012) Note: Mechanically fastened to wood or steel.		
07 21 13 16-0018	SF 1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened ..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.45 -0.06 0.05 0.17 1.30 1.63 0.50 1.66 1.94 0.76 2.51 2.91	0.36

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0019	SF	1-1/2"	Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	3.94	0.36
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.53	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 21 13 16-0020	SF	2"	Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	4.87	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.96	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.53	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.93	
07 21 13 16-0021	SF	2-1/2"	Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	5.68	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.71	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.03	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.06	
07 21 13 16-0022	SF	3"	Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	6.42	0.38
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.07	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.71	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.11	
<b>07 21 13 19</b>			<b>Mineral Board Insulation (07 21 13)</b>		
07 21 13 19-0001			Cold Adhesive Applied Mineral Board Insulation (07 21 13 19)		
07 21 13 19-0002			Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation (07 21 13 19-0001)		
07 21 13 19-0003	SF	1/2"	Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied.....	1.55	0.40
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0004	SF	25/32"	Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied.....	1.84	0.43
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0005	SF	1"	Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied.....	2.15	0.45
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0006	SF	1-1/2"	Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied.....	2.67	0.49
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0007	SF	2"	Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied.....	3.21	0.54
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0008	SF	3"	Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied.....	4.26	0.63
			<i>For Horizontal Surface Application, Deduct</i>	-0.11	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0009			Mechanically Fastened Mineral Board Insulation (07 21 13 19) Note: Mechanically fastened to wood or steel.		
07 21 13 19-0010			Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation (07 21 13 19-0009) Note: Mechanically fastened to wood or steel.		

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 19-0011	SF	1/2"	Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.38	0.40
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.66	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.51	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 21 13 19-0012	SF	25/32"	Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.67	0.43
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.66	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.51	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 21 13 19-0013	SF	1"	Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.98	0.45
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.66	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.51	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 21 13 19-0014	SF	1-1/2"	Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.56	0.49
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.53	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 21 13 19-0015	SF	2"	Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	3.09	0.54
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.96	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.53	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.93	
07 21 13 19-0016	SF	3"	Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	4.21	0.63
			<i>For Horizontal Surface Application, Deduct</i>	-0.11	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.07	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.71	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.11	

**07 21 16 Blanket Insulation (07 21)**

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

**07 21 16 00-0001 Fiberglass Flexible Insulation (07 21 16)**

Note: Rolls or batts.

**07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)**

07 21 16 00-0003	SF	3-1/2"	Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation.....	1.50	0.42
			<i>For &gt;1,600, Deduct</i>	-0.14	
07 21 16 00-0004	SF	3-1/2"	Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation.....	1.63	0.42
			<i>For &gt;1,600, Deduct</i>	-0.16	
07 21 16 00-0005	SF	3-1/2"	Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation.....	1.68	0.42
			<i>For &gt;1,600, Deduct</i>	-0.17	
07 21 16 00-0006	SF	5-1/2"	Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation.....	2.27	0.42
			<i>For &gt;1,600, Deduct</i>	-0.26	
07 21 16 00-0007	SF	6-1/4"	Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation.....	1.83	0.42
			<i>For &gt;1,600, Deduct</i>	-0.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0008	SF		9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation..... <i>For &gt;1,600, Deduct</i>	2.85 -0.31	0.52
07 21 16 00-0009	SF		12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	3.05 -0.34	0.52
<b>07 21 16 00-0010</b>			<b>Unfaced, Fiberglass Flexible Insulation (07 21 16 00-0001)</b>		
07 21 16 00-0011	SF		3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	1.41 -0.13	0.42
07 21 16 00-0012	SF		3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	1.57 -0.15	0.42
07 21 16 00-0013	SF		3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	2.15 -0.24	0.42
07 21 16 00-0014	SF		5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	2.17 -0.24	0.42
07 21 16 00-0015	SF		6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	1.77 -0.18	0.42
07 21 16 00-0016	SF		9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	2.68 -0.28	0.52
07 21 16 00-0017	SF		12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	2.94 -0.32	0.52
<b>07 21 16 00-0018</b>			<b>Foil Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)</b>		
07 21 16 00-0019	SF		3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	1.74 -0.18	0.42
07 21 16 00-0020	SF		3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	1.97 -0.21	0.42
07 21 16 00-0021	SF		6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	2.15 -0.24	0.42
07 21 16 00-0022	SF		10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	3.21 -0.36	0.52
07 21 16 00-0023	SF		12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation..... <i>For &gt;1,600, Deduct</i>	3.48 -0.40	0.52
<b>07 21 16 00-0024</b>			<b>Poly-Encapsulated, Fiberglass Flexible Insulation (07 21 16 00-0001)</b>		
07 21 16 00-0025	SF		3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	1.54 -0.15	0.42
07 21 16 00-0026	SF		3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	1.68 -0.17	0.42
07 21 16 00-0027	SF		5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	2.35 -0.27	0.42
07 21 16 00-0028	SF		6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	1.86 -0.20	0.42
07 21 16 00-0029	SF		8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	2.85 -0.31	0.52
07 21 16 00-0030	SF		10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	2.94 -0.32	0.52
<b>07 21 16 00-0031</b>			<b>Mineral Wool Flexible Insulation (07 21 16)</b>		
<b>07 21 16 00-0032</b>			<b>Kraft Faced, Mineral Wool Flexible Insulation (07 21 16 00-0031)</b>		
07 21 16 00-0033	SF		3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation..... <i>For &gt;1,600, Deduct</i>	1.70 -0.17	0.42
07 21 16 00-0034	SF		6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation..... <i>For &gt;1,600, Deduct</i>	2.30 -0.26	0.42
07 21 16 00-0035	SF		9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation..... <i>For &gt;1,600, Deduct</i>	3.74 -0.46	0.42
07 21 16 00-0036	SF		12" Kraft Faced, R-38 Mineral Wool Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	4.30 -0.54	0.42
<b>07 21 16 00-0037</b>			<b>Unfaced, Mineral Wool Flexible Insulation (07 21 16 00-0031)</b>		
07 21 16 00-0038	SF		3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	1.57 -0.15	0.42
07 21 16 00-0039	SF		6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	2.08 -0.22	0.42
07 21 16 00-0040	SF		9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	3.34 -0.40	0.42
07 21 16 00-0041	SF		12" Unfaced, R-38 Mineral Wool Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	3.81 -0.47	0.42
<b>07 21 16 00-0042</b>			<b>Natural Cotton Insulation (07 21 16)</b>		
<b>07 21 16 00-0043</b>			<b>UltraTouch™ Natural Cotton Insulation (07 21 16 00-0042)</b>		
			Note: 85% recycled denim cotton.		
07 21 16 00-0044	SF		3-1/2", R-13 UltraTouch™ Natural Cotton Insulation ..... <i>For &gt;1,600, Deduct</i>	2.40 -0.28	0.42
07 21 16 00-0045	SF		5-1/2", R-19 UltraTouch™ Natural Cotton Insulation ..... <i>For &gt;1,600, Deduct</i>	2.72 -0.32	0.42
07 21 16 00-0046	SF		5-1/2", R-21 UltraTouch™ Natural Cotton Insulation ..... <i>For &gt;1,600, Deduct</i>	3.06 -0.37	0.42
07 21 16 00-0047	SF		8", R-30 UltraTouch™ Natural Cotton Insulation..... <i>For &gt;1,600, Deduct</i>	4.19 -0.52	0.42

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**07 21 19 Foamed-In-Place Insulation (07 21)****07 21 19 00-0001 Polyurethane Foam Insulation, Sprayed On (07 21 19)**

07 21 19 00-0002	SF	1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation .....	1.19	
07 21 19 00-0003	SF	2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation .....	2.00	
07 21 19 00-0004	SF	3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation .....	2.81	
07 21 19 00-0005	SF	4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation .....	3.62	
07 21 19 00-0006	SF	5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation .....	4.42	
07 21 19 00-0007	SF	6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation .....	5.24	
07 21 19 00-0008	SF	1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	2.28	
07 21 19 00-0009	SF	2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	3.62	
07 21 19 00-0010	SF	3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	4.94	
07 21 19 00-0011	SF	4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	6.28	
07 21 19 00-0012	SF	5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	7.61	
07 21 19 00-0013	SF	6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	8.93	

**07 21 23 Loose-Fill Insulation (07 21)****07 21 23 00-0001 Poured Type, Loose Fill Insulation (07 21 23)**

07 21 23 00-0002	CF	R-3.5/Inch, Poured Type, Fiberglass Loose Fill Insulation .....	6.53	2.43
07 21 23 00-0003	CF	R-3.7/Inch, Poured Type, Cellulose Loose Fill Insulation .....	7.11	2.43

**07 21 23 00-0004 Concrete Block Wall Cavity Insulation (07 21 23)**

07 21 23 00-0005	CF	R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation .....	9.65	2.43
07 21 23 00-0006	CF	R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation .....	9.55	2.43

**07 21 26 Blown Insulation (07 21)****07 21 26 00-0001 Fiberglass Blown-In Insulation (07 21 26)****07 21 26 00-0002 Attic, Fiberglass Blown-In Insulation (07 21 26 00-0001)**

07 21 26 00-0003	SF	3-3/4" Thick, R-13 Attic, Fiberglass Blown In Insulation .....	1.47	1.06
07 21 26 00-0004	SF	6-1/4" Thick, R-19 Attic, Fiberglass Blown In Insulation .....	1.88	1.26
07 21 26 00-0005	SF	7-1/4" Thick, R-22 Attic, Fiberglass Blown In Insulation .....	2.09	1.37
07 21 26 00-0006	SF	10-1/4" Thick, R-30 Attic, Fiberglass Blown In Insulation .....	2.47	1.47
07 21 26 00-0007	SF	12-3/4" Thick, R-38 Attic, Fiberglass Blown In Insulation .....	2.85	1.58
07 21 26 00-0008	SF	13-1/2" Thick, R-40 Attic, Fiberglass Blown In Insulation .....	3.10	1.68
07 21 26 00-0009	SF	14-3/4" Thick, R-44 Attic, Fiberglass Blown In Insulation .....	3.18	1.68
07 21 26 00-0010	SF	16-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation .....	3.37	1.68
07 21 26 00-0011	SF	19" Thick, R-56 Attic, Fiberglass Blown In Insulation .....	3.76	1.68
07 21 26 00-0012	SF	21" Thick, R-60 Attic, Fiberglass Blown In Insulation .....	3.78	1.68

**07 21 26 00-0013 New Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)**

07 21 26 00-0014	SF	3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation .....	2.20	1.06
07 21 26 00-0015	SF	5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation .....	2.96	1.26
07 21 26 00-0016	SF	7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation .....	3.56	1.37
07 21 26 00-0017	SF	9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation .....	4.28	1.47

**07 21 26 00-0018 Existing Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)**

Note: Includes drilling. Excludes patching.				
07 21 26 00-0019	SF	3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation .....	2.07	1.06
07 21 26 00-0020	SF	5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation .....	2.83	1.26
07 21 26 00-0021	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation .....	3.43	1.37
07 21 26 00-0022	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation .....	4.15	1.47

**07 21 26 00-0023 Cellulose Blown-In Insulation (07 21 26)****07 21 26 00-0024 Attic, Cellulose Blown-In Insulation (07 21 26 00-0023)**

07 21 26 00-0025	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation .....	1.50	1.06
07 21 26 00-0026	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation .....	1.84	1.16
07 21 26 00-0027	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation .....	2.06	1.26
07 21 26 00-0028	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation .....	2.44	1.37
07 21 26 00-0029	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation .....	2.50	1.37
07 21 26 00-0030	SF	10-1/2" Thick, R-38 Attic, Cellulose Blown In Insulation .....	2.95	1.47
07 21 26 00-0031	SF	11" Thick, R-40 Attic, Cellulose Blown In Insulation .....	3.04	1.47
07 21 26 00-0032	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation .....	3.60	1.58
07 21 26 00-0033	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation .....	4.13	1.68

**07 21 26 00-0034 New Wall, Cellulose Blown-In Insulation (07 21 26 00-0023)**

07 21 26 00-0035	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation .....	2.13	1.06
07 21 26 00-0036	SF	5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation .....	2.88	1.26
07 21 26 00-0037	SF	7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation .....	3.43	1.37
07 21 26 00-0038	SF	9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation .....	4.11	1.47



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 21 26 00-0039			<b>Existing Wall, Cellulose Blown-In Insulation</b> (07 21 26 00-0023) Note: Includes drilling. Excludes patching.		
07 21 26 00-0040	SF		3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation .....	2.01	1.06
07 21 26 00-0041	SF		5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation .....	2.75	1.26
07 21 26 00-0042	SF		7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation .....	3.30	1.37
07 21 26 00-0043	SF		9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation .....	3.98	1.47

**07 21 29 Sprayed Insulation** (07 21)

07 21 29 00-0001			<b>Fiber Sprayed On Insulation</b> (07 21 29)		
07 21 29 00-0002	SF		1" Spray, R2.7 Perlite Insulation .....	2.41	0.61
07 21 29 00-0003	SF		1" Spray, R3.7 Fibrous/Cementitious Insulation .....	1.74	0.61

**07 21 29 00-0004 Cellulose Sprayed On Insulation** (07 21 29)

07 21 29 00-0005	SF		1" Thick - Cellulose Spray-on Insulation .....	3.60	0.61
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**07 21 53 Reflective Insulation** (07 21)

07 21 53 00-0001			<b>Reflective Barrier Insulation (Foil - Single Bubble - Foil)</b> (07 21 53)		
07 21 53 00-0002	SF		3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space .....	0.94	

**07 22 Roof and Deck Insulation** (07 20)

**07 22 16 Roof Board Insulation** (07 22)

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

07 22 16 00-0001			<b>Rigid Board Roofing Insulation</b> (07 22 16) Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.		
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**07 22 16 00-0002 Cold Adhesive Applied Rigid Board Roofing Insulation** (07 22 16 00-0001)

07 22 16 00-0003			<b>Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation</b> (07 22 16 00-0002)		
07 22 16 00-0004	SF		1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....	1.92	
07 22 16 00-0005	SF		25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....	2.24	
07 22 16 00-0006	SF		1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....	2.56	
07 22 16 00-0007	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....	3.13	
07 22 16 00-0008	SF		2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....	3.70	

**07 22 16 00-0009 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation** (07 22 16 00-0002)

07 22 16 00-0010	SF		1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied .....	2.07	
07 22 16 00-0011	SF		1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied .....	2.46	

**07 22 16 00-0012 Cold Adhesive Applied, Perlite, Roof Board Insulation** (07 22 16 00-0002)

07 22 16 00-0013	SF		1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied .....	1.87	
07 22 16 00-0014	SF		1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied .....	1.87	
07 22 16 00-0015	SF		3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied .....	2.05	
07 22 16 00-0016	SF		1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied .....	2.27	
07 22 16 00-0017	SF		1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied .....	2.81	
07 22 16 00-0018	SF		2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied .....	3.15	

**07 22 16 00-0019 Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation** (07 22 16 00-0002)

07 22 16 00-0020	SF		1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied .....	2.57	
07 22 16 00-0021	SF		2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied .....	3.43	
07 22 16 00-0022	SF		3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied .....	4.45	

**07 22 16 00-0023 Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation** (07 22 16 00-0002)

07 22 16 00-0024	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	4.72	
07 22 16 00-0025	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	5.56	
07 22 16 00-0026	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	7.23	
07 22 16 00-0027	SF		3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	8.89	

**07 22 16 00-0028 Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation** (07 22 16 00-0002)

07 22 16 00-0029	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	1.80	
			<i>For Loose-Laid, Deduct</i>	-0.96	
07 22 16 00-0030	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	1.88	
			<i>For Loose-Laid, Deduct</i>	-0.96	
07 22 16 00-0031	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	2.07	
			<i>For Loose-Laid, Deduct</i>	-0.96	
07 22 16 00-0032	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	2.28	
			<i>For Loose-Laid, Deduct</i>	-0.97	

## 07 Thermal And Moisture Protection

## 07 20 Thermal Protection

## 07 22 Roof and Deck Insulation

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0033	SF	2"	Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	3.09	
			<i>For Loose-Laid, Deduct</i>	-0.98	
07 22 16 00-0034	SF	3"	Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	3.91	
			<i>For Loose-Laid, Deduct</i>	-0.99	
07 22 16 00-0035	SF	4"	Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	4.72	
			<i>For Loose-Laid, Deduct</i>	-1.00	
07 22 16 00-0036	SF	5"	Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	5.54	
			<i>For Loose-Laid, Deduct</i>	-1.02	
07 22 16 00-0037	SF	6"	Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	6.35	
			<i>For Loose-Laid, Deduct</i>	-1.03	
07 22 16 00-0038			<b>Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation</b> (07 22 16 00-002)		
			Note: 15 PSI compressive strength.		
07 22 16 00-0039	SF	3/4"	Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	2.37	
			<i>For Loose-Laid, Deduct</i>	-0.92	
			<i>For 25 PSI Compressive Strength, Add</i>	0.23	
			<i>For 40 PSI Compressive Strength, Add</i>	0.55	
			<i>For 60 PSI Compressive Strength, Add</i>	0.89	
			<i>For 115 PSI Compressive Strength, Add</i>	3.82	
07 22 16 00-0040	SF	1"	Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	2.49	
			<i>For Loose-Laid, Deduct</i>	-0.93	
			<i>For 25 PSI Compressive Strength, Add</i>	0.25	
			<i>For 40 PSI Compressive Strength, Add</i>	0.59	
			<i>For 60 PSI Compressive Strength, Add</i>	0.95	
			<i>For 115 PSI Compressive Strength, Add</i>	4.10	
07 22 16 00-0041	SF	1-1/2"	Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.03	
			<i>For Loose-Laid, Deduct</i>	-0.93	
			<i>For 25 PSI Compressive Strength, Add</i>	0.34	
			<i>For 40 PSI Compressive Strength, Add</i>	0.80	
			<i>For 60 PSI Compressive Strength, Add</i>	1.26	
			<i>For 100 PSI Compressive Strength, Add</i>	1.62	
			<i>For 115 PSI Compressive Strength, Add</i>	5.49	
07 22 16 00-0042	SF	2"	Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.59	
			<i>For Loose-Laid, Deduct</i>	-0.94	
			<i>For 25 PSI Compressive Strength, Add</i>	0.42	
			<i>For 40 PSI Compressive Strength, Add</i>	1.00	
			<i>For 60 PSI Compressive Strength, Add</i>	1.58	
			<i>For 115 PSI Compressive Strength, Add</i>	6.88	
07 22 16 00-0043	SF	2-1/2"	Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.13	
			<i>For Loose-Laid, Deduct</i>	-0.94	
			<i>For 25 PSI Compressive Strength, Add</i>	0.51	
			<i>For 40 PSI Compressive Strength, Add</i>	1.21	
			<i>For 60 PSI Compressive Strength, Add</i>	1.89	
			<i>For 100 PSI Compressive Strength, Add</i>	2.43	
			<i>For 115 PSI Compressive Strength, Add</i>	8.27	
07 22 16 00-0044	SF	3"	Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.70	
			<i>For Loose-Laid, Deduct</i>	-0.95	
			<i>For 25 PSI Compressive Strength, Add</i>	0.60	
			<i>For 40 PSI Compressive Strength, Add</i>	1.41	
			<i>For 60 PSI Compressive Strength, Add</i>	2.21	
			<i>For 115 PSI Compressive Strength, Add</i>	9.66	
07 22 16 00-0045	SF	4"	Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	5.27	
			<i>For Loose-Laid, Deduct</i>	-0.96	
			<i>For 25 PSI Compressive Strength, Add</i>	0.68	
			<i>For 40 PSI Compressive Strength, Add</i>	1.62	
			<i>For 60 PSI Compressive Strength, Add</i>	2.53	
			<i>For 115 PSI Compressive Strength, Add</i>	11.07	
07 22 16 00-0046			<b>Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation</b> (07 22 16 00-0002)		
07 22 16 00-0047	SF	3/4"	Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.14	
			<i>For Loose-Laid, Deduct</i>	-0.92	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.12	
07 22 16 00-0048	SF	1"	Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.22	
			<i>For Loose-Laid, Deduct</i>	-0.93	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.13	
07 22 16 00-0049	SF	1-1/2"	Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.34	
			<i>For Loose-Laid, Deduct</i>	-0.93	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.14	
07 22 16 00-0050	SF	2"	Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.65	
			<i>For Loose-Laid, Deduct</i>	-0.94	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.17	
07 22 16 00-0051	SF	2-1/2"	Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.97	
			<i>For Loose-Laid, Deduct</i>	-0.94	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.20	
07 22 16 00-0052	SF	3"	Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.29	
			<i>For Loose-Laid, Deduct</i>	-0.95	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.23	
07 22 16 00-0053	SF	3-1/2"	Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.64	
			<i>For Loose-Laid, Deduct</i>	-0.96	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0054	SF		4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied ..... <i>For Loose-Laid, Deduct</i> <i>For Foil Facer, Add</i> <i>For 25 PSI Compressive Strength, Add</i>	3.94 -0.96 0.36 0.29	
07 22 16 00-0055			<b>Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation</b> (07 22 16 00-0002)		
07 22 16 00-0056	SF		1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied .....	2.42	
07 22 16 00-0057			<b>Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock)</b> (07 22 16 00-0002)		
07 22 16 00-0058	SF		1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied .....	2.30	
07 22 16 00-0059	SF		3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied .....	2.43	
07 22 16 00-0060	SF		1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied .....	2.51	
07 22 16 00-0061	SF		5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied .....	2.56	
07 22 16 00-0062			<b>Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock)</b> (07 22 16 00-0002)		
07 22 16 00-0063	SF		1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	2.25	
07 22 16 00-0064	SF		1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	2.45	
07 22 16 00-0065	SF		5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	2.49	
07 22 16 00-0066			<b>Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation</b> (07 22 16 00-0002) Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0067	SF		1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	3.85	
07 22 16 00-0068	SF		2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	4.03	
07 22 16 00-0069	SF		2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	4.29	
07 22 16 00-0070	SF		3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	4.44	
07 22 16 00-0071	SF		3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	4.81	
07 22 16 00-0072	SF		4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	4.97	
07 22 16 00-0073	SF		4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	5.23	
07 22 16 00-0074			<b>Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation</b> (07 22 16 00-0002) Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0075	SF		2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	3.89	
07 22 16 00-0076	SF		3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	4.21	
07 22 16 00-0077	SF		3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	4.60	
07 22 16 00-0078	SF		4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	4.85	
07 22 16 00-0079	SF		4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	5.18	
07 22 16 00-0080	SF		5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	5.53	
07 22 16 00-0081	SF		5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	6.17	
07 22 16 00-0082			<b>Hot-Mopped Rigid Board Roofing Insulation</b> (07 22 16 00-0001)		
07 22 16 00-0083			<b>Hot-Mopped, High-Density Fiberboard, Roof Board Insulation</b> (07 22 16 00-0082)		
07 22 16 00-0084	SF		1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped .....	1.78	
07 22 16 00-0085	SF		25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped .....	2.10	
07 22 16 00-0086	SF		1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped .....	2.42	
07 22 16 00-0087	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	3.00	
07 22 16 00-0088	SF		2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	3.58	
07 22 16 00-0089			<b>Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation</b> (07 22 16 00-0082)		
07 22 16 00-0090	SF		1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped .....	1.94	
07 22 16 00-0091	SF		1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped .....	2.33	
07 22 16 00-0092			<b>Hot-Mopped, Perlite, Roof Board Insulation</b> (07 22 16 00-0082)		
07 22 16 00-0093	SF		1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped.....	1.70	
07 22 16 00-0094	SF		3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped.....	1.88	
07 22 16 00-0095	SF		1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped .....	2.11	
07 22 16 00-0096	SF		1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped .....	2.65	
07 22 16 00-0097	SF		2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped .....	2.99	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0098			<b>Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0082)</b>		
07 22 16 00-0099	SF		1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	2.40	
07 22 16 00-0100	SF		2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	3.26	
07 22 16 00-0101	SF		3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	4.30	
07 22 16 00-0102			<b>Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0082)</b>		
07 22 16 00-0103	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped.....	4.56	
07 22 16 00-0104	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped.....	5.39	
07 22 16 00-0105	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped.....	7.08	
07 22 16 00-0106	SF		3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped.....	8.74	
07 22 16 00-0107			<b>Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0082)</b>		
07 22 16 00-0108	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	1.64	
07 22 16 00-0109	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	1.72	
07 22 16 00-0110	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	1.82	
07 22 16 00-0111	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	2.12	
07 22 16 00-0112	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	2.94	
07 22 16 00-0113	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	3.77	
07 22 16 00-0114	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	4.58	
07 22 16 00-0115	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	5.40	
07 22 16 00-0116	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	6.22	
07 22 16 00-0117			<b>Hot-Mopped, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0082)</b>		
			Note: 15 PSI compressive strength.		
07 22 16 00-0118	SF		3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	2.20	
			For 25 PSI Compressive Strength, Add	0.19	
			For 40 PSI Compressive Strength, Add	0.45	
			For 60 PSI Compressive Strength, Add	0.74	
			For 115 PSI Compressive Strength, Add	3.16	
07 22 16 00-0119	SF		1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	2.33	
			For 25 PSI Compressive Strength, Add	0.21	
			For 40 PSI Compressive Strength, Add	0.50	
			For 60 PSI Compressive Strength, Add	0.81	
			For 115 PSI Compressive Strength, Add	3.47	
07 22 16 00-0120	SF		1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	2.87	
			For 25 PSI Compressive Strength, Add	0.30	
			For 40 PSI Compressive Strength, Add	0.70	
			For 60 PSI Compressive Strength, Add	1.12	
			For 100 PSI Compressive Strength, Add	1.44	
			For 115 PSI Compressive Strength, Add	4.86	
07 22 16 00-0121	SF		2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	3.55	
			For 25 PSI Compressive Strength, Add	0.38	
			For 40 PSI Compressive Strength, Add	0.91	
			For 60 PSI Compressive Strength, Add	1.44	
			For 115 PSI Compressive Strength, Add	6.26	
07 22 16 00-0122	SF		2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	13.41	
			For 25 PSI Compressive Strength, Add	0.47	
			For 40 PSI Compressive Strength, Add	1.11	
			For 60 PSI Compressive Strength, Add	2.22	
			For 100 PSI Compressive Strength, Add	2.72	
			For 115 PSI Compressive Strength, Add	8.58	
07 22 16 00-0123	SF		3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	4.55	
			For 25 PSI Compressive Strength, Add	0.56	
			For 40 PSI Compressive Strength, Add	1.32	
			For 60 PSI Compressive Strength, Add	2.07	
			For 115 PSI Compressive Strength, Add	9.03	
07 22 16 00-0124	SF		4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	5.12	
			For 25 PSI Compressive Strength, Add	0.64	
			For 40 PSI Compressive Strength, Add	1.52	
			For 60 PSI Compressive Strength, Add	2.38	
			For 115 PSI Compressive Strength, Add	10.42	
07 22 16 00-0125			<b>Hot-Mopped, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0082)</b>		
07 22 16 00-0126	SF		3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped.....	1.98	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.10	
07 22 16 00-0127	SF		1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped.....	2.05	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.10	
07 22 16 00-0128	SF		1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped.....	2.17	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.11	
07 22 16 00-0129	SF		2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped.....	2.49	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.15	
07 22 16 00-0130	SF		2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped.....	2.82	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.18	
07 22 16 00-0131	SF		3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped.....	3.14	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0132	SF		3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped ..... <i>For Foil Facer, Add</i> <i>For 25 PSI Compressive Strength, Add</i>	3.38 0.36 0.24	
07 22 16 00-0133	SF		4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped ..... <i>For Foil Facer, Add</i> <i>For 25 PSI Compressive Strength, Add</i>	3.80 0.36 0.27	
<b>07 22 16 00-0134</b>			<b>Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0082)</b>		
07 22 16 00-0135	SF		1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.16	
07 22 16 00-0136	SF		3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.29	
07 22 16 00-0137	SF		1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.38	
07 22 16 00-0138	SF		5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.42	
<b>07 22 16 00-0139</b>			<b>Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0082)</b>		
07 22 16 00-0140	SF		1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped.....	2.12	
07 22 16 00-0141	SF		1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped.....	2.31	
07 22 16 00-0142	SF		5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped.....	2.36	
<b>07 22 16 00-0143</b>			<b>Mechanically Fastened Rigid Board Roofing Insulation (07 22 16 00-0001)</b> Note: Mechanically fastened to wood or steel.		
<b>07 22 16 00-0144</b>			<b>Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0143)</b> Note: Mechanically fastened to wood or steel.		
07 22 16 00-0145	SF		1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened ..... <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.75 1.30 1.63 0.50 1.94 1.94 0.76 2.76 2.91	
07 22 16 00-0146	SF		25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened ..... <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.07 1.30 1.63 0.50 1.97 1.94 0.76 2.79 2.91	
07 22 16 00-0147	SF		1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened ..... <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.39 1.30 1.63 0.50 1.99 1.94 0.76 2.81 2.91	
07 22 16 00-0148	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened ..... <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.02 1.34 1.63 0.63 1.71 1.94 0.94 2.56 2.91	
07 22 16 00-0149	SF		2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened ..... <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.58 1.34 1.59 0.63 1.71 1.96 0.94 2.56 2.93	
<b>07 22 16 00-0150</b>			<b>Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0143)</b> Note: Mechanically fastened to wood or steel.		
07 22 16 00-0151	SF		1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened ..... <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.90 1.30 1.63 0.50 1.99 1.94 0.76 2.81 2.91	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0152	SF		1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened .....	2.29	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.81	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
<b>07 22 16 00-0153</b>			<b>Mechanically Fastened, Perlite, Roof Board Insulation</b> <small>(07 22 16 00-0143)</small>		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0154	SF		1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened.....	1.70	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.72	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 22 16 00-0155	SF		3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened.....	1.88	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.72	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 22 16 00-0156	SF		1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened.....	2.10	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.73	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 22 16 00-0157	SF		1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened.....	2.70	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 22 16 00-0158	SF		2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened.....	3.04	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.96	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.93	
<b>07 22 16 00-0159</b>			<b>Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation</b> <small>(07 22 16 00-0143)</small>		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0160	SF		1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened .....	2.40	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.73	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 22 16 00-0161	SF		2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened .....	3.31	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.96	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.93	
07 22 16 00-0162	SF		3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened .....	4.40	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.12	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.11	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.03	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0163 Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0164	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	4.61	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 22 16 00-0165	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	5.45	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.96	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.93	
07 22 16 00-0166	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	7.18	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.12	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.11	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.03	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.11	
07 22 16 00-0167	SF		3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	8.94	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.93	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.45	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.26	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.91	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.53	

07 22 16 00-0168 Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0169	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.63	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.93	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 22 16 00-0170	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.71	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.93	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 22 16 00-0171	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.90	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.93	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 22 16 00-0172	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.11	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.93	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 22 16 00-0173	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.98	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.96	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.93	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0174	SF 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	3.86	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.15	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.11	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.06	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.11	
07 22 16 00-0175	SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	4.77	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.65	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.93	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.17	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.26	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.91	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0176	SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	5.70	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.09	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.65	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.15	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.81	
07 22 16 00-0177	SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	6.91	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.57	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.37	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.82	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.57	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.06	
07 22 16 00-0178	Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation <small>(07 22 16 00-0143)</small>		
	Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.		
07 22 16 00-0179	SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	2.20	
	<i>For 25 PSI Compressive Strength, Add</i>	0.20	
	<i>For 40 PSI Compressive Strength, Add</i>	0.49	
	<i>For 60 PSI Compressive Strength, Add</i>	0.79	
	<i>For 115 PSI Compressive Strength, Add</i>	3.38	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.90	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.72	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 22 16 00-0180	SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	2.32	
	<i>For 25 PSI Compressive Strength, Add</i>	0.22	
	<i>For 40 PSI Compressive Strength, Add</i>	0.53	
	<i>For 60 PSI Compressive Strength, Add</i>	0.85	
	<i>For 115 PSI Compressive Strength, Add</i>	3.67	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.91	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.73	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 22 16 00-0181	SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	2.92	
	<i>For 25 PSI Compressive Strength, Add</i>	0.32	
	<i>For 40 PSI Compressive Strength, Add</i>	0.76	
	<i>For 60 PSI Compressive Strength, Add</i>	1.20	
	<i>For 100 PSI Compressive Strength, Add</i>	1.54	
	<i>For 115 PSI Compressive Strength, Add</i>	5.21	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.94	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.56	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0182	SF		2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.48	
			For 25 PSI Compressive Strength, Add	0.40	
			For 40 PSI Compressive Strength, Add	0.96	
			For 60 PSI Compressive Strength, Add	1.51	
			For 115 PSI Compressive Strength, Add	6.60	
			For Mechanically Fastened To Concrete, Add	1.34	
			For Mechanically Fastened To Gypsum, Add	1.59	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.63	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.71	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.96	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.94	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.56	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.93	
07 22 16 00-0183	SF		2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	4.08	
			For 25 PSI Compressive Strength, Add	0.50	
			For 40 PSI Compressive Strength, Add	1.19	
			For 60 PSI Compressive Strength, Add	1.86	
			For 100 PSI Compressive Strength, Add	2.40	
			For 115 PSI Compressive Strength, Add	8.14	
			For Mechanically Fastened To Concrete, Add	1.37	
			For Mechanically Fastened To Gypsum, Add	1.61	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.11	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.03	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.08	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.02	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.06	
07 22 16 00-0184	SF		3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	4.65	
			For 25 PSI Compressive Strength, Add	0.59	
			For 40 PSI Compressive Strength, Add	1.39	
			For 60 PSI Compressive Strength, Add	2.18	
			For 115 PSI Compressive Strength, Add	9.53	
			For Mechanically Fastened To Concrete, Add	1.37	
			For Mechanically Fastened To Gypsum, Add	1.64	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.12	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.11	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.08	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.03	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.11	
07 22 16 00-0185	SF		4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	5.31	
			For 25 PSI Compressive Strength, Add	0.69	
			For 40 PSI Compressive Strength, Add	1.64	
			For 60 PSI Compressive Strength, Add	2.55	
			For 115 PSI Compressive Strength, Add	11.18	
			For Mechanically Fastened To Concrete, Add	1.41	
			For Mechanically Fastened To Gypsum, Add	1.65	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.84	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.93	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.17	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.26	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.91	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.28	
07 22 16 00-0186			<b>Mechanically Fastened, Polyisocyanurate Board Roofing Insulation</b> (07 22 16 00-0143)		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0187	SF		3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened.....	1.97	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.11	
			For Mechanically Fastened To Concrete, Add	1.30	
			For Mechanically Fastened To Gypsum, Add	1.63	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.50	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.90	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.76	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.72	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.91	
07 22 16 00-0188	SF		1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened.....	2.05	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.11	
			For Mechanically Fastened To Concrete, Add	1.30	
			For Mechanically Fastened To Gypsum, Add	1.63	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.50	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.91	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.76	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.73	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.91	
07 22 16 00-0189	SF		1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened.....	2.23	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.13	
			For Mechanically Fastened To Concrete, Add	1.34	
			For Mechanically Fastened To Gypsum, Add	1.63	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.63	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.71	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.94	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.56	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.91	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 22 16 00-0190	SF 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened.....	2.54	
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.16	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.59	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.96	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.94	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.56	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.93	
07 22 16 00-0191	SF 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	2.91	
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.20	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.12	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.03	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.03	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.06	
07 22 16 00-0192	SF 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened.....	3.24	
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.23	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.12	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.11	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.03	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.11	
07 22 16 00-0193	SF 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	3.68	
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.27	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.93	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.46	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.26	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.91	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.54	
07 22 16 00-0194	SF 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened.....	3.98	
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.30	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.65	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.93	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.17	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.26	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.91	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0195	<b>Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation</b> <small>(07 22 16 00-0143)</small>		
	Note: Mechanically fastened to wood or steel.		
07 22 16 00-0196	SF 1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened.....	2.25	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.94	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 22 16 00-0197	<b>Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock)</b> <small>(07 22 16 00-0143)</small>		
	Note: Mechanically fastened to wood or steel.		
07 22 16 00-0198	SF 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	2.13	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.94	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0199	SF		3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	2.26	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 22 16 00-0200	SF		1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	2.34	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 22 16 00-0201	SF		5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	2.39	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 22 16 00-0202			<b>Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock)</b>		
			<small>(07 22 16 00-0143)</small>		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0203	SF		1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened .....	2.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 22 16 00-0204	SF		1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened .....	2.28	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 22 16 00-0205	SF		5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened .....	2.32	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 22 16 00-0206			<b>Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation</b>		
			<small>(07 22 16 00-0143)</small>		
			Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.		
07 22 16 00-0207	SF		1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	3.74	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.96	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.93	
07 22 16 00-0208	SF		2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	3.92	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.96	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.93	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0209	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.23
		<i>For Mechanically Fastened To Concrete, Add</i>	1.37
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.61
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.27
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.03
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.18
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.06
07 22 16 00-0210	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.39
		<i>For Mechanically Fastened To Concrete, Add</i>	1.37
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.27
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.11
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.18
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.11
07 22 16 00-0211	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.86
		<i>For Mechanically Fastened To Concrete, Add</i>	1.41
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.61
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.93
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.61
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.26
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.91
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.69
07 22 16 00-0212	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.02
		<i>For Mechanically Fastened To Concrete, Add</i>	1.41
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.65
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.93
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.17
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.26
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.91
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.28
07 22 16 00-0213	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.39
		<i>For Mechanically Fastened To Concrete, Add</i>	1.45
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.09
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.80
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.15
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.96

**07 22 16 00-0214 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation** (07 22 16 00-0143)

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0215	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	3.83
		<i>For Mechanically Fastened To Concrete, Add</i>	1.37
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.61
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.26
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.03
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.17
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.06
07 22 16 00-0216	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.15
		<i>For Mechanically Fastened To Concrete, Add</i>	1.37
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.26
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.11
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.17
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.11
07 22 16 00-0217	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.64
		<i>For Mechanically Fastened To Concrete, Add</i>	1.41
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.61
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.93
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.60
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.26
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.91
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0218	SF		4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.89	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.65	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.93	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.17	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.26	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.91	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0219	SF		4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.33	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.09	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.15	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.92	
07 22 16 00-0220	SF		5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.69	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.09	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.15	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.93	
07 22 16 00-0221	SF		5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.57	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.57	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.37	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.97	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.57	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.21	
07 22 16 00-0222			<b>Rigid Board Tapered Roofing Insulation</b> (07 22 16) Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board.		
07 22 16 00-0223			<b>Cold Adhesive Applied Rigid Board Tapered Roofing Insulation</b> (07 22 16 00-0222)		
07 22 16 00-0224			<b>Cold Adhesive Applied, Tapered Polyisocyanurate Board</b> (07 22 16 00-0223) Note: Includes polyurethane adhesive.		
07 22 16 00-0225			<b>Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board</b> (07 22 16 00-0224)		
07 22 16 00-0226	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	3.75	
			<i>For 25 PSI Compressive Strength, Add</i>	0.24	
07 22 16 00-0227	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	5.29	
			<i>For 25 PSI Compressive Strength, Add</i>	0.28	
07 22 16 00-0228	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	5.71	
			<i>For 25 PSI Compressive Strength, Add</i>	0.32	
07 22 16 00-0229	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	6.13	
			<i>For 25 PSI Compressive Strength, Add</i>	0.36	
07 22 16 00-0230	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	6.54	
			<i>For 25 PSI Compressive Strength, Add</i>	0.40	
07 22 16 00-0231	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	8.10	
			<i>For 25 PSI Compressive Strength, Add</i>	0.45	
07 22 16 00-0232	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	8.52	
			<i>For 25 PSI Compressive Strength, Add</i>	0.49	
07 22 16 00-0233	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	8.93	
			<i>For 25 PSI Compressive Strength, Add</i>	0.53	
07 22 16 00-0234	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	9.35	
			<i>For 25 PSI Compressive Strength, Add</i>	0.57	
07 22 16 00-0235	SF		6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	10.89	
			<i>For 25 PSI Compressive Strength, Add</i>	0.61	
07 22 16 00-0236			<b>Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board</b> (07 22 16 00-0234)		
07 22 16 00-0237	SF		2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	3.55	
			<i>For 25 PSI Compressive Strength, Add</i>	0.22	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 22 16 00-0238	SF 3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	5.50	
	<i>For 25 PSI Compressive Strength, Add</i> .....	0.30	
07 22 16 00-0239	SF 4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	6.34	
	<i>For 25 PSI Compressive Strength, Add</i> .....	0.38	
07 22 16 00-0240	SF 5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	8.31	
	<i>For 25 PSI Compressive Strength, Add</i> .....	0.47	
07 22 16 00-0241	SF 6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	9.14	
	<i>For 25 PSI Compressive Strength, Add</i> .....	0.55	
07 22 16 00-0242	SF 7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	11.10	
	<i>For 25 PSI Compressive Strength, Add</i> .....	0.63	
<b>07 22 16 00-0243</b>	<b>Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board</b> (07 22 16 00-0224)		
07 22 16 00-0244	SF 3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	5.92	
	<i>For 25 PSI Compressive Strength, Add</i> .....	0.34	
07 22 16 00-0245	SF 5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	8.72	
	<i>For 25 PSI Compressive Strength, Add</i> .....	0.51	
07 22 16 00-0246	SF 7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	11.51	
	<i>For 25 PSI Compressive Strength, Add</i> .....	0.68	
07 22 16 00-0247	SF 9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	14.32	
	<i>For 25 PSI Compressive Strength, Add</i> .....	0.84	
<b>07 22 16 00-0248</b>	<b>Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS)</b> (07 22 16 00-0223)		
	Note: Includes polyurethane adhesive.		
<b>07 22 16 00-0249</b>	<b>Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)</b> (07 22 16 00-0248)		
07 22 16 00-0250	SF 2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	3.29	
07 22 16 00-0251	SF 2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.83	
07 22 16 00-0252	SF 3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	5.14	
07 22 16 00-0253	SF 3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	5.46	
07 22 16 00-0254	SF 4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	5.77	
07 22 16 00-0255	SF 4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.33	
07 22 16 00-0256	SF 5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.64	
07 22 16 00-0257	SF 5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.95	
07 22 16 00-0258	SF 6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	8.26	
07 22 16 00-0259	SF 6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.81	
<b>07 22 16 00-0260</b>	<b>Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)</b> (07 22 16 00-0248)		
07 22 16 00-0261	SF 2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	3.13	
07 22 16 00-0262	SF 3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.99	
07 22 16 00-0263	SF 4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	5.61	
07 22 16 00-0264	SF 5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.48	
07 22 16 00-0265	SF 6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	8.11	
07 22 16 00-0266	SF 7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.97	
<b>07 22 16 00-0267</b>	<b>Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)</b> (07 22 16 00-0248)		
07 22 16 00-0268	SF 3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	5.30	
07 22 16 00-0269	SF 5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.80	
07 22 16 00-0270	SF 7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.28	
07 22 16 00-0271	SF 9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	13.09	

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0272		Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0272)</small> <small>00-0223</small> Note: Includes polyurethane adhesive.	
07 22 16 00-0273		Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0272)</small>	
07 22 16 00-0274	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	3.66
07 22 16 00-0275	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.20
07 22 16 00-0276	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.60
07 22 16 00-0277	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.99
07 22 16 00-0278	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	6.39
07 22 16 00-0279	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.94
07 22 16 00-0280	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.34
07 22 16 00-0281	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.74
07 22 16 00-0282	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	9.13
07 22 16 00-0283	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	10.67
07 22 16 00-0284		Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0272)</small>	
07 22 16 00-0285	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	3.46
07 22 16 00-0286	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.40
07 22 16 00-0287	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	6.19
07 22 16 00-0288	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.14
07 22 16 00-0289	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.93
07 22 16 00-0290	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	10.87
07 22 16 00-0291		Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0272)</small>	
07 22 16 00-0292	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.80
		<i>For Mechanically Fastened To Concrete, Add</i>	1.37
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64
07 22 16 00-0293	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.54
07 22 16 00-0294	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	11.27
07 22 16 00-0295	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	14.01
07 22 16 00-0296		Cold Adhesive Applied, Tapered Perlite Board <small>(07 22 16 00-0223)</small> Note: Includes polyurethane adhesive.	
07 22 16 00-0297		Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board <small>(07 22 16 00-0296)</small>	
07 22 16 00-0298	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	5.15
07 22 16 00-0299	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	6.35
07 22 16 00-0300	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	7.13
07 22 16 00-0301	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	7.66
07 22 16 00-0302	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	8.44
07 22 16 00-0303	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	9.64
07 22 16 00-0304	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	10.42
07 22 16 00-0305	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	10.95
07 22 16 00-0306	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	11.73
07 22 16 00-0307	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	12.93
07 22 16 00-0308		Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board <small>(07 22 16 00-0296)</small>	
07 22 16 00-0309	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	4.76
07 22 16 00-0310	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	6.74
07 22 16 00-0311	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	8.05
07 22 16 00-0312	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	10.03
07 22 16 00-0313	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	11.34
07 22 16 00-0314	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	13.32
07 22 16 00-0315		Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board <small>(07 22 16 00-0296)</small>	
07 22 16 00-0316	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	7.52
07 22 16 00-0317	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	10.81

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 22 16 00-0318	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	14.11		
07 22 16 00-0319	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	17.40		
<b>07 22 16 00-0320</b>		<b>Hot-Mopped Rigid Board Tapered Roofing Insulation (07 22 16 00-0222)</b>			
<b>07 22 16 00-0321</b>		<b>Hot-Mopped, Tapered Polyisocyanurate Board (07 22 16 00-0320)</b>			
<b>07 22 16 00-0322</b>		<b>Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)</b>			
07 22 16 00-0323	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	3.50		
		<i>For 25 PSI Compressive Strength, Add</i>	0.21		
07 22 16 00-0324	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	5.08		
		<i>For 25 PSI Compressive Strength, Add</i>	0.23		
07 22 16 00-0325	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	5.50		
		<i>For 25 PSI Compressive Strength, Add</i>	0.27		
07 22 16 00-0326	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	5.65		
		<i>For 25 PSI Compressive Strength, Add</i>	0.31		
07 22 16 00-0327	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	6.33		
		<i>For 25 PSI Compressive Strength, Add</i>	0.36		
07 22 16 00-0328	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	7.77		
		<i>For 25 PSI Compressive Strength, Add</i>	0.38		
07 22 16 00-0329	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	8.19		
		<i>For 25 PSI Compressive Strength, Add</i>	0.42		
07 22 16 00-0330	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	8.61		
		<i>For 25 PSI Compressive Strength, Add</i>	0.46		
07 22 16 00-0331	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	9.02		
		<i>For 25 PSI Compressive Strength, Add</i>	0.50		
07 22 16 00-0332	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	10.45		
		<i>For 25 PSI Compressive Strength, Add</i>	0.52		
<b>07 22 16 00-0333</b>		<b>Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)</b>			
07 22 16 00-0334	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	3.43		
		<i>For 25 PSI Compressive Strength, Add</i>	0.19		
07 22 16 00-0335	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	5.29		
		<i>For 25 PSI Compressive Strength, Add</i>	0.25		
07 22 16 00-0336	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	6.12		
		<i>For 25 PSI Compressive Strength, Add</i>	0.33		
07 22 16 00-0337	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	7.98		
		<i>For 25 PSI Compressive Strength, Add</i>	0.40		
07 22 16 00-0338	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	8.81		
		<i>For 25 PSI Compressive Strength, Add</i>	0.48		
07 22 16 00-0339	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	10.66		
		<i>For 25 PSI Compressive Strength, Add</i>	0.54		
<b>07 22 16 00-0340</b>		<b>Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)</b>			
07 22 16 00-0341	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	5.70		
		<i>For 25 PSI Compressive Strength, Add</i>	0.29		
07 22 16 00-0342	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	8.40		
		<i>For 25 PSI Compressive Strength, Add</i>	0.44		
07 22 16 00-0343	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	11.08		
		<i>For 25 PSI Compressive Strength, Add</i>	0.58		
07 22 16 00-0344	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	13.77		
		<i>For 25 PSI Compressive Strength, Add</i>	0.73		
<b>07 22 16 00-0345</b>		<b>Hot-Mopped, Tapered Perlite Board (07 22 16 00-0320)</b>			
<b>07 22 16 00-0346</b>		<b>Hot-Mopped, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0345)</b>			
07 22 16 00-0347	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	4.59		
07 22 16 00-0348	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	6.13		
07 22 16 00-0349	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	6.92		
07 22 16 00-0350	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	6.99		
07 22 16 00-0351	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	7.78		
07 22 16 00-0352	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	9.31		
07 22 16 00-0353	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	10.10		
07 22 16 00-0354	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	10.17		
07 22 16 00-0355	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	10.96		
07 22 16 00-0356	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	12.49		
<b>07 22 16 00-0357</b>		<b>Hot-Mopped, 1/4" Slope, Tapered Perlite Board (07 22 16 00-0345)</b>			
07 22 16 00-0358	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	4.20		
07 22 16 00-0359	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	6.52		
07 22 16 00-0360	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	7.39		
07 22 16 00-0361	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	9.70		
07 22 16 00-0362	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	10.57		
07 22 16 00-0363	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	12.88		
<b>07 22 16 00-0364</b>		<b>Hot-Mopped, 1/2" Slope, Tapered Perlite Board (07 22 16 00-0345)</b>			
07 22 16 00-0365	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	7.31		
07 22 16 00-0366	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	10.49		
07 22 16 00-0367	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	60.80		
07 22 16 00-0368	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	16.85		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0369			<b>Mechanically Fastened Tapered Roofing Insulation</b> (07 22 16 00-0222) Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.		
07 22 16 00-0370			<b>Mechanically Fastened, Tapered Polyisocyanurate Board</b> (07 22 16 00-0369) Note: Mechanically fastened to wood or steel.		
07 22 16 00-0371			<b>Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board</b> (07 22 16 00-0370)		
07 22 16 00-0372	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	3.64	
			For 25 PSI Compressive Strength, Add	0.22	
			For Mechanically Fastened To Concrete, Add	1.34	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.57	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.63	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.71	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	1.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.94	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.56	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	2.91	
07 22 16 00-0373	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	4.79	
			For 25 PSI Compressive Strength, Add	0.23	
			For Mechanically Fastened To Concrete, Add	1.37	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.61	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.80	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.03	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.08	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.71	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.06	
07 22 16 00-0374	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.21	
			For 25 PSI Compressive Strength, Add	0.27	
			For Mechanically Fastened To Concrete, Add	1.37	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.64	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.80	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.07	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.08	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.71	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.11	
07 22 16 00-0375	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.72	
			For 25 PSI Compressive Strength, Add	0.32	
			For Mechanically Fastened To Concrete, Add	1.41	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.61	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.84	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.93	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.13	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.26	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.91	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.21	
07 22 16 00-0376	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.14	
			For 25 PSI Compressive Strength, Add	0.36	
			For Mechanically Fastened To Concrete, Add	1.41	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.65	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.84	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.93	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.17	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.26	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.91	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.28	
07 22 16 00-0377	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.36	
			For 25 PSI Compressive Strength, Add	0.37	
			For Mechanically Fastened To Concrete, Add	1.45	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.64	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.00	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.09	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.28	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.49	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.15	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.44	
07 22 16 00-0378	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.78	
			For 25 PSI Compressive Strength, Add	0.41	
			For Mechanically Fastened To Concrete, Add	1.45	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.64	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.00	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.09	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.28	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.49	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.15	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.44	

## 07 Thermal And Moisture Protection

## 07 20 Thermal Protection

## 07 22 Roof and Deck Insulation

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0379	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	8.44	
			For 25 PSI Compressive Strength, Add	0.48	
			For Mechanically Fastened To Concrete, Add	1.49	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.57	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.27	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.37	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.45	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.90	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.57	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.69	
07 22 16 00-0380	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	8.85	
			For 25 PSI Compressive Strength, Add	0.52	
			For Mechanically Fastened To Concrete, Add	1.49	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.57	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.27	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.37	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.45	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.90	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.57	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.69	
07 22 16 00-0381	SF		6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	10.07	
			For 25 PSI Compressive Strength, Add	0.53	
			For Mechanically Fastened To Concrete, Add	1.49	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.69	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.39	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.49	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.69	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.08	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.75	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.05	
07 22 16 00-0382			Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0370)		
07 22 16 00-0383	SF		2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	3.43	
			For 25 PSI Compressive Strength, Add	0.20	
			For Mechanically Fastened To Concrete, Add	1.34	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.57	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.63	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.71	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	1.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.94	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.56	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	2.91	
07 22 16 00-0384	SF		3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.00	
			For 25 PSI Compressive Strength, Add	0.25	
			For Mechanically Fastened To Concrete, Add	1.37	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.61	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.80	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.03	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.08	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.71	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.06	
07 22 16 00-0385	SF		4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.93	
			For 25 PSI Compressive Strength, Add	0.34	
			For Mechanically Fastened To Concrete, Add	1.41	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.61	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.84	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.93	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.13	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.26	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.91	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.21	
07 22 16 00-0386	SF		5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.57	
			For 25 PSI Compressive Strength, Add	0.39	
			For Mechanically Fastened To Concrete, Add	1.45	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.64	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.00	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.09	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.28	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.49	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.15	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.44	
07 22 16 00-0387	SF		6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	8.65	
			For 25 PSI Compressive Strength, Add	0.50	
			For Mechanically Fastened To Concrete, Add	1.49	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.57	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.27	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.37	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.45	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.90	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.57	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0388	SF		7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	10.28	
			For 25 PSI Compressive Strength, Add	0.55	
			For Mechanically Fastened To Concrete, Add	1.49	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.69	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.39	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.49	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.69	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.08	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.75	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.05	
07 22 16 00-0389			<b>Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board</b> (07 22 16 00-0370)		
07 22 16 00-0390	SF		3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.42	
			For 25 PSI Compressive Strength, Add	0.29	
			For Mechanically Fastened To Concrete, Add	1.37	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.64	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.80	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.07	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.08	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.71	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.11	
07 22 16 00-0391	SF		5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.75	
			For 25 PSI Compressive Strength, Add	0.41	
			For Mechanically Fastened To Concrete, Add	1.45	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.64	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.00	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.09	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.28	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.49	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.15	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.44	
07 22 16 00-0392	SF		7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	10.69	
			For 25 PSI Compressive Strength, Add	0.59	
			For Mechanically Fastened To Concrete, Add	1.49	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.69	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.39	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.49	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.69	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.08	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.75	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.05	
07 22 16 00-0393	SF		9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	13.55	
			For 25 PSI Compressive Strength, Add	0.77	
			For Mechanically Fastened To Concrete, Add	1.67	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.92	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.17	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.87	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.74	
07 22 16 00-0394			<b>Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS)</b> (07 22 16 00-0369)		
07 22 16 00-0395			<b>Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)</b> (07 22 16 00-0394)		
07 22 16 00-0396	SF		2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	3.17	
			For Mechanically Fastened To Concrete, Add	1.34	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.57	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.63	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.71	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	1.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.94	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.56	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	2.91	
07 22 16 00-0397	SF		2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.33	
			For Mechanically Fastened To Concrete, Add	1.37	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.61	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.80	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.03	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.08	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.71	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.06	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0398	SF		3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened .....	4.64	
			<i>For Mechanically Fastened To Concrete, Add</i> .....	1.37	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	1.80	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.07	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	2.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.11	
07 22 16 00-0399	SF		3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened .....	5.05	
			<i>For Mechanically Fastened To Concrete, Add</i> .....	1.41	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.61	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.84	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	1.93	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.13	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.26	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	2.91	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.21	
07 22 16 00-0400	SF		4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened .....	5.36	
			<i>For Mechanically Fastened To Concrete, Add</i> .....	1.41	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.65	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.84	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	1.93	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.17	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.26	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	2.91	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.28	
07 22 16 00-0401	SF		4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened .....	6.59	
			<i>For Mechanically Fastened To Concrete, Add</i> .....	1.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.00	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.09	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.28	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.49	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.15	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.44	
07 22 16 00-0402	SF		5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened .....	6.91	
			<i>For Mechanically Fastened To Concrete, Add</i> .....	1.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.00	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.09	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.28	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.49	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.15	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.44	
07 22 16 00-0403	SF		5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened .....	7.46	
			<i>For Mechanically Fastened To Concrete, Add</i> .....	1.49	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.57	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.37	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.45	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.90	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.69	
07 22 16 00-0404	SF		6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened .....	7.77	
			<i>For Mechanically Fastened To Concrete, Add</i> .....	1.49	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.57	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.37	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.45	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.90	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.69	
07 22 16 00-0405	SF		6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened .....	8.99	
			<i>For Mechanically Fastened To Concrete, Add</i> .....	1.49	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.69	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.39	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.49	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.69	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	2.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.75	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	4.05	

07 22 16 00-0406 Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0394)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0407	SF		2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened .....3.02		
			<i>For Mechanically Fastened To Concrete, Add</i> .....1.34		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....1.57		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....0.63		
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....1.71		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....1.94		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....0.94		
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....2.56		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....2.91		
07 22 16 00-0408	SF		3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened .....4.49		
			<i>For Mechanically Fastened To Concrete, Add</i> .....1.37		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....1.61		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....0.72		
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....1.80		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....2.03		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....1.08		
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....2.71		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....3.06		
07 22 16 00-0409	SF		4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened .....5.21		
			<i>For Mechanically Fastened To Concrete, Add</i> .....1.41		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....1.61		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....0.84		
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....1.93		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....2.13		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....1.26		
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....2.91		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....3.21		
07 22 16 00-0410	SF		5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened .....6.75		
			<i>For Mechanically Fastened To Concrete, Add</i> .....1.45		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....1.64		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....1.00		
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....2.09		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....2.28		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....1.49		
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....3.15		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....3.44		
07 22 16 00-0411	SF		6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened .....7.61		
			<i>For Mechanically Fastened To Concrete, Add</i> .....1.49		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....1.57		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....1.27		
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....2.37		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....2.45		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....1.90		
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....3.57		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....3.69		
07 22 16 00-0412	SF		7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened .....9.15		
			<i>For Mechanically Fastened To Concrete, Add</i> .....1.49		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....1.69		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....1.39		
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....2.49		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....2.69		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....2.08		
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....3.75		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....4.05		
07 22 16 00-0413			<b>Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)</b> (07 22 16 00-0394)		
07 22 16 00-0414	SF		3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened .....4.80		
			<i>For Mechanically Fastened To Concrete, Add</i> .....1.37		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....1.64		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....0.72		
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....1.80		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....2.07		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....1.08		
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....2.71		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....3.11		
07 22 16 00-0415	SF		5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened .....7.06		
			<i>For Mechanically Fastened To Concrete, Add</i> .....1.45		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....1.64		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....1.00		
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....2.09		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....2.28		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....1.49		
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....3.15		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....3.44		

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0416	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.46
		<i>For Mechanically Fastened To Concrete, Add</i>	1.49
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.39
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.49
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.69
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.08
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.75
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.05
07 22 16 00-0417	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	12.32
		<i>For Mechanically Fastened To Concrete, Add</i>	1.67
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.92
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.17
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.87
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.74
07 22 16 00-0418		<b>Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0369)</small>	
		Note: Mechanically fastened to wood or steel.	
07 22 16 00-0419		<b>Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0418)</small>	
07 22 16 00-0420	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	3.55
		<i>For Mechanically Fastened To Concrete, Add</i>	1.34
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.57
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.94
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.56
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91
07 22 16 00-0421	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	4.70
		<i>For Mechanically Fastened To Concrete, Add</i>	1.37
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.80
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.03
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.71
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.06
07 22 16 00-0422	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	6.02
		<i>For Mechanically Fastened To Concrete, Add</i>	1.37
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.80
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.07
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.71
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.11
07 22 16 00-0423	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.59
		<i>For Mechanically Fastened To Concrete, Add</i>	1.41
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.93
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.13
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.26
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.91
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.21
07 22 16 00-0424	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.98
		<i>For Mechanically Fastened To Concrete, Add</i>	1.41
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.65
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.93
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.17
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.26
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.91
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.28
07 22 16 00-0425	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.21
		<i>For Mechanically Fastened To Concrete, Add</i>	1.45
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.09
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.28
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.15
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0426	SF		5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.61	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.09	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.28	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.15	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.44	
07 22 16 00-0427	SF		5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.24	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.57	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.37	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.45	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.69	
07 22 16 00-0428	SF		6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.64	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.57	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.37	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.45	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.69	
07 22 16 00-0429	SF		6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.85	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.39	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.49	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.69	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.75	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.05	
07 22 16 00-0430			<b>Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0419)</small>		
07 22 16 00-0431	SF		2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	3.35	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.57	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	
07 22 16 00-0432	SF		3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	4.90	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.03	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.06	
07 22 16 00-0433	SF		4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.79	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.93	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.13	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.26	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.91	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.21	
07 22 16 00-0434	SF		5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.41	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.09	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.28	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.15	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.44	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 22 16 00-0435	SF 6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened .....	8.44	
	<i>For Mechanically Fastened To Concrete, Add</i> .....	1.49	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.57	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.27	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.37	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.45	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.90	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.57	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.69	
07 22 16 00-0436	SF 7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened .....	10.05	
	<i>For Mechanically Fastened To Concrete, Add</i> .....	1.49	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.69	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.39	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.49	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.69	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	2.08	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.75	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	4.05	
07 22 16 00-0437	<b>Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0418)</small>		
07 22 16 00-0438	SF 3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened .....	5.29	
	<i>For Mechanically Fastened To Concrete, Add</i> .....	1.37	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.64	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.72	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	1.80	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.07	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.08	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	2.71	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.11	
07 22 16 00-0439	SF 5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened .....	7.80	
	<i>For Mechanically Fastened To Concrete, Add</i> .....	1.45	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.64	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.00	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.09	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.28	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.49	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.15	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.44	
07 22 16 00-0440	SF 7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened .....	10.45	
	<i>For Mechanically Fastened To Concrete, Add</i> .....	1.49	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.69	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.39	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.49	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.69	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	2.08	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.75	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	4.05	
07 22 16 00-0441	SF 9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened .....	13.08	
	<i>For Mechanically Fastened To Concrete, Add</i> .....	1.67	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.92	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	3.17	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	2.87	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	4.74	
07 22 16 00-0442	<b>Mechanically Fastened, Tapered Perlite Board</b> <small>(07 22 16 00-0369)</small> Note: Mechanically fastened to wood or steel.		
07 22 16 00-0443	<b>Mechanically Fastened, 1/8" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0442)</small>		
07 22 16 00-0444	SF 2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened .....	4.59	
	<i>For Mechanically Fastened To Concrete, Add</i> .....	1.34	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.57	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.63	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	1.71	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	1.94	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	0.94	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	2.56	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	2.91	
07 22 16 00-0445	SF 2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened .....	5.85	
	<i>For Mechanically Fastened To Concrete, Add</i> .....	1.37	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.61	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.72	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	1.80	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.03	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.08	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	2.71	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.06	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0446	SF		3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened .....6.63		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.07	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.11	
07 22 16 00-0447	SF		3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened .....6.81		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.93	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.13	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.26	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.91	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.21	
07 22 16 00-0448	SF		4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened .....7.59		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.65	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.93	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.17	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.26	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.91	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0449	SF		4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened .....8.90		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.09	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.28	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.15	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.44	
07 22 16 00-0450	SF		5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened .....9.69		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.09	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.28	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.15	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.44	
07 22 16 00-0451	SF		5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened .....10.01		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.57	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.37	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.45	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.69	
07 22 16 00-0452	SF		6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened .....10.79		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.57	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.37	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.45	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.69	
07 22 16 00-0453	SF		6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened .....12.11		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.39	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.49	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.69	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.75	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.05	
07 22 16 00-0454			<b>Mechanically Fastened, 1/4" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0442)</small> .....4.20		
07 22 16 00-0455	SF		2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened .....4.20		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.57	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 22 16 00-0456	SF 3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.24	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.80	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.03	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.71	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.06	
07 22 16 00-0457	SF 4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	7.20	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.93	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.13	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.26	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.91	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.21	
07 22 16 00-0458	SF 5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.30	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.09	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.28	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.15	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.44	
07 22 16 00-0459	SF 6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.40	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.57	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.37	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.45	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.57	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.69	
07 22 16 00-0460	SF 7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	12.50	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.39	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.49	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.69	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.08	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.75	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.05	
07 22 16 00-0461	<b>Mechanically Fastened, 1/2" Slope, Tapered Perlite Board</b> (07 22 16 00-0442)		
07 22 16 00-0462	SF 3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	7.02	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.80	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.07	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.71	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.11	
07 22 16 00-0463	SF 5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.08	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.09	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.28	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.15	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.44	
07 22 16 00-0464	SF 7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	13.28	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.39	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.49	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.69	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.08	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.75	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.05	
07 22 16 00-0465	SF 9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	16.63	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.92	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.17	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.69	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.87	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.74	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.05	
07 22 16 00-0466	<b>Demolish Rigid Board Roofing Insulation</b> (07 22 16)		
	Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).		
07 22 16 00-0467	SF Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation.....	0.52	
07 22 16 00-0468	SF Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation.....	0.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0469	SF		Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation.....	0.55	
07 22 16 00-0470	SF		Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation.....	0.57	
07 22 16 00-0471	SF		Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation.....	0.58	
07 22 16 00-0472	SF		Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation.....	0.60	
07 22 16 00-0473	SF		Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation.....	0.61	
07 22 16 00-0474	SF		Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation.....	0.62	
07 22 16 00-0475	SF		Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation.....	0.64	
07 22 16 00-0476	SF		Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation.....	0.65	
07 22 16 00-0477	SF		Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation.....	0.67	
07 22 16 00-0478	SF		Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation.....	0.68	
07 22 16 00-0479	SF		Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation.....	0.70	

07 24 Exterior Insulation and Finish Systems (07 20)

07 24 13 Polymer-Based Exterior Insulation and Finish System (07 24)

07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) (07 24 13)

07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)

07 24 13 00-0003	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	3.26	
			For Up To 100, Add	0.76	
			For >100 To 500, Add	0.38	
			For >5,000, Deduct	-0.15	
			For Adhesive And Mechanically Fastened To Wood Or Steel, Add	1.21	
			For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	1.78	
07 24 13 00-0004	SF		1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	3.69	
			For Up To 100, Add	0.78	
			For >100 To 500, Add	0.39	
			For >5,000, Deduct	-0.16	
			For Adhesive And Mechanically Fastened To Wood Or Steel, Add	1.23	
			For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	1.79	
07 24 13 00-0005	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	4.10	
			For Up To 100, Add	0.79	
			For >100 To 500, Add	0.39	
			For >5,000, Deduct	-0.16	
			For Adhesive And Mechanically Fastened To Wood Or Steel, Add	1.36	
			For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	1.90	
07 24 13 00-0006	SF		2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	4.52	
			For Up To 100, Add	0.80	
			For >100 To 500, Add	0.40	
			For >5,000, Deduct	-0.16	
			For Adhesive And Mechanically Fastened To Wood Or Steel, Add	1.42	
			For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	1.98	
07 24 13 00-0007	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	4.93	
			For Up To 100, Add	0.81	
			For >100 To 500, Add	0.40	
			For >5,000, Deduct	-0.16	
			For Adhesive And Mechanically Fastened To Wood Or Steel, Add	1.42	
			For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	1.98	
07 24 13 00-0008	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	5.73	
			For Up To 100, Add	0.81	
			For >100 To 500, Add	0.41	
			For >5,000, Deduct	-0.16	
			For Adhesive And Mechanically Fastened To Wood Or Steel, Add	1.56	
			For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	2.11	

07 24 13 00-0009 Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)

Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.

07 24 13 00-0010	SF		4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat.....	4.44	
			For Up To 100, Add	1.53	
			For >100 To 500, Add	0.76	
			For >5,000, Deduct	-0.31	
07 24 13 00-0011	SF		6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat.....	4.84	
			For Up To 100, Add	1.53	
			For >100 To 500, Add	0.76	
			For >5,000, Deduct	-0.31	
07 24 13 00-0012	SF		15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat.....	5.94	
			For Up To 100, Add	1.53	
			For >100 To 500, Add	0.76	
			For >5,000, Deduct	-0.31	
07 24 13 00-0013	SF		20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat.....	6.28	
			For Up To 100, Add	1.53	
			For >100 To 500, Add	0.76	
			For >5,000, Deduct	-0.31	

## 07 Thermal And Moisture Protection

## 07 20 Thermal Protection

## 07 24 Exterior Insulation and Finish Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0014			<b>Base Coats For Exterior Insulation Finishing Systems (EIFS)</b> (07 24 13 00-0001)		
07 24 13 00-0015	SF		Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM).....	2.17	
			For Up To 100, Add	0.76	
			For >100 To 500, Add	0.38	
			For >5,000, Deduct	-0.15	
07 24 13 00-0016	SF		Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®).....	2.47	
			For Up To 100, Add	0.76	
			For >100 To 500, Add	0.38	
			For >5,000, Deduct	-0.15	
07 24 13 00-0017	SF		Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	4.11	
			For Up To 100, Add	0.76	
			For >100 To 500, Add	0.38	
			For >5,000, Deduct	-0.15	
07 24 13 00-0018	SF		Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	5.40	
			For Up To 100, Add	0.76	
			For >100 To 500, Add	0.38	
			For >5,000, Deduct	-0.15	
07 24 13 00-0019			<b>Finish Coats For Exterior Insulation Finishing Systems (EIFS)</b> (07 24 13 00-0001)		
			Note: Includes all standard manufacturers' colors.		
07 24 13 00-0020	SF		100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	3.78	
			For Up To 100, Add	1.53	
			For >100 To 500, Add	0.76	
			For >5,000, Deduct	-0.31	
07 24 13 00-0021	SF		100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	3.84	
			For Up To 100, Add	1.53	
			For >100 To 500, Add	0.76	
			For >5,000, Deduct	-0.31	
07 24 13 00-0022	SF		Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	4.32	
			For Up To 100, Add	1.53	
			For >100 To 500, Add	0.76	
			For >5,000, Deduct	-0.31	
07 24 13 00-0023	SF		Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	4.75	
			For Up To 100, Add	1.53	
			For >100 To 500, Add	0.76	
			For >5,000, Deduct	-0.31	
07 24 13 00-0024	SF		Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	4.33	
			For Up To 100, Add	1.53	
			For >100 To 500, Add	0.76	
			For >5,000, Deduct	-0.31	
07 24 13 00-0025	SF		Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	4.75	
			For Up To 100, Add	1.53	
			For >100 To 500, Add	0.76	
			For >5,000, Deduct	-0.31	
07 24 13 00-0026	SF		Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth).....	3.91	
			For Up To 100, Add	1.53	
			For >100 To 500, Add	0.76	
			For >5,000, Deduct	-0.31	
07 24 13 00-0027	SF		Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®).....	4.36	
			For Up To 100, Add	1.53	
			For >100 To 500, Add	0.76	
			For >5,000, Deduct	-0.31	
07 24 13 00-0028	SF		100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™).....	8.15	
			For Up To 100, Add	1.53	
			For >100 To 500, Add	0.76	
			For >5,000, Deduct	-0.31	
07 24 13 00-0029			<b>Primer And Sealers For Exterior Insulation Finishing Systems (EIFS)</b> (07 24 13 00-0001)		
07 24 13 00-0030	SF		100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®).....	1.12	
			For Up To 100, Add	0.43	
			For >100 To 500, Add	0.21	
			For >5,000, Deduct	-0.09	
07 24 13 00-0031	SF		100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™).....	1.14	
			For Up To 100, Add	0.43	
			For >100 To 500, Add	0.21	
			For >5,000, Deduct	-0.09	
07 24 13 00-0032			<b>Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS)</b> (07 24 13 00-0001)		
07 24 13 00-0033	SF		Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat.....	1.47	
			For Up To 100, Add	0.43	
			For >100 To 500, Add	0.21	
			For >5,000, Deduct	-0.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 24 13 00-0034	SF		Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat.....	1.78	
			<i>For Up To 100, Add</i>	0.43	
			<i>For &gt;100 To 500, Add</i>	0.21	
			<i>For &gt;5,000, Deduct</i>	-0.09	

**07 24 13 00-0035 Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)**

07 24 13 00-0036	SF		1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat).....	2.19	
			<i>For Up To 100, Add</i>	0.48	
			<i>For &gt;100 To 500, Add</i>	0.24	
			<i>For &gt;5,000, Deduct</i>	-0.10	

**07 24 13 00-0037 Starter Tracks For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)**

07 24 13 00-0038	LF		1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	3.10	
07 24 13 00-0039	LF		1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	3.33	
07 24 13 00-0040	LF		2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	3.60	
07 24 13 00-0041	LF		3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.16	
07 24 13 00-0042	LF		1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	3.33	
07 24 13 00-0043	LF		1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	3.60	
07 24 13 00-0044	LF		2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	3.86	
07 24 13 00-0045	LF		3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	4.48	

**07 24 13 00-0046 Demolish Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)**

07 24 13 00-0047	SF		Demolish Exterior Insulation Finishing Systems (EIFS).....	2.86	
			Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.		
			<i>For Up To 100, Add</i>	1.43	
			<i>For &gt;100 To 500, Add</i>	0.72	
			<i>For &gt;5,000, Deduct</i>	-0.29	

**07 25 Weather Barriers (07)**

**07 26 Vapor Retarders (07 25)**

**07 26 13 Above-Grade Vapor Retarders (07 26)**

07 26 13 00-0001	CSF		Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B).....	26.84	
07 26 13 00-0002	CSF		Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex).....	25.27	
07 26 13 00-0003	CSF		60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute).....	30.28	
07 26 13 00-0004	CSF		Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute).....	37.61	
07 26 13 00-0005	CSF		Regular Weight Red Rosin Sized Sheathing.....	24.66	
07 26 13 00-0006	CLF		6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper).....	80.31	
07 26 13 00-0007	CLF		4" Wide Self Adhering Butyl Sealing Tape.....	115.15	
07 26 13 00-0008	CLF		6" Wide Self Adhesive Butyl Sealing Tape.....	162.15	
07 26 13 00-0009	CLF		9" Wide Self Adhesive Butyl Sealing Tape.....	220.27	
07 26 13 00-0010	CSF		Building Wrap (Tyvek).....	72.88	

**07 27 Air Barriers (07 25)**

**07 27 23 Board Product Air Barriers (07 27)**

**07 27 23 00-0001 Barriers For Plenums (07 27 23)**

07 27 23 00-0002	SF		0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 LB/SF.....	10.56	3.14
			<i>For Up To 50, Add</i>	4.05	
			<i>For &gt;50 To 200, Add</i>	2.29	
			<i>For &gt;200 To 500, Add</i>	0.84	
			<i>For &gt;2,500, Deduct</i>	-0.53	
07 27 23 00-0003	SF		0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 LB/SF.....	11.45	3.14
			<i>For Up To 50, Add</i>	4.43	
			<i>For &gt;50 To 200, Add</i>	2.50	
			<i>For &gt;200 To 500, Add</i>	0.91	
			<i>For &gt;2,500, Deduct</i>	-0.57	
07 27 23 00-0004	SF		Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick.....	4.38	2.09
			<i>For Up To 50, Add</i>	2.19	
			<i>For &gt;50 To 200, Add</i>	1.20	
			<i>For &gt;200 To 500, Add</i>	0.41	
			<i>For &gt;2,500, Deduct</i>	-0.22	
07 27 23 00-0005	SF		Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick.....	7.96	3.14
			<i>For Up To 50, Add</i>	3.90	
			<i>For &gt;50 To 200, Add</i>	2.15	
			<i>For &gt;200 To 500, Add</i>	0.74	
			<i>For &gt;2,500, Deduct</i>	-0.40	
07 27 23 00-0006	SF		Aluminum Mesh Barrier For Plenum Kraft Paper Backed.....	5.97	2.09
			<i>For Up To 50, Add</i>	2.42	
			<i>For &gt;50 To 200, Add</i>	1.36	
			<i>For &gt;200 To 500, Add</i>	0.49	
			<i>For &gt;2,500, Deduct</i>	-0.30	

**07 Thermal And Moisture Protection****07 25 Weather Barriers****07 27 Air Barriers**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 27 23 00-0007	SF	1/64" Thick Sheet Lead Barrier For Plenum 1 LB/SF	7.85	2.09
		<i>For Up To 50, Add</i>	2.57	
		<i>For &gt;50 To 200, Add</i>	1.48	
		<i>For &gt;200 To 500, Add</i>	0.57	
		<i>For &gt;2,500, Deduct</i>	-0.39	

**07 30 Steep Slope Roofing** <sup>(07)</sup>

Note: Includes starter strips and manufacturer's product specific warranties.

**07 31 Shingles and Shakes** <sup>(07 30)</sup>**07 31 13 Asphalt Shingles** <sup>(07 31)</sup>**07 31 13 13 Fiberglass-Reinforced Asphalt Shingles** <sup>(07 31 13)</sup>**07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle** <sup>(07 31 13 13)</sup>

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0002	SQ	200 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20)	249.35	171.12
		<i>For &gt;35 To 75, Deduct</i>	-9.37	
		<i>For &gt;75 To 100, Deduct</i>	-15.14	
		<i>For &gt;100 To 200, Deduct</i>	-22.78	
		<i>For &gt;200, Deduct</i>	-34.31	
		<i>For Steep Roof, Over 7 To 12, Add</i>	49.80	
07 31 13 13-0003	SQ	220 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25)	261.52	179.71
		<i>For &gt;35 To 75, Deduct</i>	-9.82	
		<i>For &gt;75 To 100, Deduct</i>	-15.86	
		<i>For &gt;100 To 200, Deduct</i>	-23.87	
		<i>For &gt;200, Deduct</i>	-35.97	
		<i>For Steep Roof, Over 7 To 12, Add</i>	52.28	
07 31 13 13-0004	SQ	230 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30)	300.89	188.67
		<i>For &gt;35 To 75, Deduct</i>	-12.93	
		<i>For &gt;75 To 100, Deduct</i>	-19.81	
		<i>For &gt;100 To 200, Deduct</i>	-29.27	
		<i>For &gt;200, Deduct</i>	-43.02	
		<i>For Steep Roof, Over 7 To 12, Add</i>	54.91	

**07 31 13 13-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle** <sup>(07 31 13 13)</sup>

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0006	SQ	245 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	311.43	218.45
		<i>For &gt;35 To 75, Deduct</i>	-11.29	
		<i>For &gt;75 To 100, Deduct</i>	-18.51	
		<i>For &gt;100 To 200, Deduct</i>	-27.99	
		<i>For &gt;200, Deduct</i>	-42.43	
		<i>For Steep Roof, Over 7 To 12, Add</i>	63.54	
07 31 13 13-0007	SQ	240 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate)	327.57	207.99
		<i>For &gt;35 To 75, Deduct</i>	-13.84	
		<i>For &gt;75 To 100, Deduct</i>	-21.34	
		<i>For &gt;100 To 200, Deduct</i>	-31.61	
		<i>For &gt;200, Deduct</i>	-46.60	
		<i>For Steep Roof, Over 7 To 12, Add</i>	60.52	
07 31 13 13-0008	SQ	265 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus)	355.22	229.37
		<i>For &gt;35 To 75, Deduct</i>	-14.67	
		<i>For &gt;75 To 100, Deduct</i>	-22.81	
		<i>For &gt;100 To 200, Deduct</i>	-33.89	
		<i>For &gt;200, Deduct</i>	-50.19	
		<i>For Steep Roof, Over 7 To 12, Add</i>	66.74	
07 31 13 13-0009	SQ	235 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras)	340.88	198.09
		<i>For &gt;35 To 75, Deduct</i>	-16.08	
		<i>For &gt;75 To 100, Deduct</i>	-23.80	
		<i>For &gt;100 To 200, Deduct</i>	-34.73	
		<i>For &gt;200, Deduct</i>	-50.17	
		<i>For Steep Roof, Over 7 To 12, Add</i>	57.63	
07 31 13 13-0010	SQ	300 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium)	384.63	240.85
		<i>For &gt;35 To 75, Deduct</i>	-16.57	
		<i>For &gt;75 To 100, Deduct</i>	-25.36	
		<i>For &gt;100 To 200, Deduct</i>	-37.46	
		<i>For &gt;200, Deduct</i>	-55.04	
		<i>For Steep Roof, Over 7 To 12, Add</i>	70.05	
07 31 13 13-0011	SQ	300 LB/SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence)	408.92	240.85
		<i>For &gt;35 To 75, Deduct</i>	-19.00	
		<i>For &gt;75 To 100, Deduct</i>	-28.27	
		<i>For &gt;100 To 200, Deduct</i>	-41.35	
		<i>For &gt;200, Deduct</i>	-59.89	
		<i>For Steep Roof, Over 7 To 12, Add</i>	70.05	
07 31 13 13-0012	SQ	355 LB/SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake)	446.80	265.50
		<i>For &gt;35 To 75, Deduct</i>	-20.54	
		<i>For &gt;75 To 100, Deduct</i>	-30.68	
		<i>For &gt;100 To 200, Deduct</i>	-44.93	
		<i>For &gt;200, Deduct</i>	-65.22	
		<i>For Steep Roof, Over 7 To 12, Add</i>	77.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0013	SQ		340 LB/SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL).....	442.14	252.89
			<i>For &gt;35 To 75, Deduct</i>	-21.23	
			<i>For &gt;75 To 100, Deduct</i>	-31.22	
			<i>For &gt;100 To 200, Deduct</i>	-45.46	
			<i>For &gt;200, Deduct</i>	-65.45	
			<i>For Steep Roof, Over 7 To 12, Add</i>	73.55	
07 31 13 13-0014	SQ		300 LB/SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris).....	438.79	240.85
			<i>For &gt;35 To 75, Deduct</i>	-21.99	
			<i>For &gt;75 To 100, Deduct</i>	-31.86	
			<i>For &gt;100 To 200, Deduct</i>	-46.13	
			<i>For &gt;200, Deduct</i>	-65.87	
			<i>For Steep Roof, Over 7 To 12, Add</i>	70.05	
07 31 13 13-0015	SQ		355 LB/SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate).....	512.20	265.50
			<i>For &gt;35 To 75, Deduct</i>	-27.08	
			<i>For &gt;75 To 100, Deduct</i>	-38.53	
			<i>For &gt;100 To 200, Deduct</i>	-55.40	
			<i>For &gt;200, Deduct</i>	-78.30	
			<i>For Steep Roof, Over 7 To 12, Add</i>	77.25	
07 31 13 13-0016	SQ		355 LB/SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House).....	529.23	265.50
			<i>For &gt;35 To 75, Deduct</i>	-28.78	
			<i>For &gt;75 To 100, Deduct</i>	-40.57	
			<i>For &gt;100 To 200, Deduct</i>	-58.12	
			<i>For &gt;200, Deduct</i>	-81.71	
			<i>For Steep Roof, Over 7 To 12, Add</i>	77.25	
07 31 13 13-0017	SQ		480 LB/SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL).....	587.75	292.76
			<i>For &gt;35 To 75, Deduct</i>	-32.16	
			<i>For &gt;75 To 100, Deduct</i>	-45.25	
			<i>For &gt;100 To 200, Deduct</i>	-64.76	
			<i>For &gt;200, Deduct</i>	-90.94	
			<i>For Steep Roof, Over 7 To 12, Add</i>	85.17	
07 31 13 13-0018	SQ		425 LB/SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor).....	578.01	278.76
			<i>For &gt;35 To 75, Deduct</i>	-32.46	
			<i>For &gt;75 To 100, Deduct</i>	-45.28	
			<i>For &gt;100 To 200, Deduct</i>	-64.60	
			<i>For &gt;200, Deduct</i>	-90.26	
			<i>For Steep Roof, Over 7 To 12, Add</i>	81.11	
<b>07 31 13 13-0019</b>			<b>Asphalt Shingle Accessories (07 31 13 13)</b>		
07 31 13 13-0020	LF		Three Tab Hip And Ridge Shingles.....	3.53	2.55
07 31 13 13-0021	LF		Architectural Hip And Ridge Shingles.....	4.24	2.83
07 31 13 13-0022	SQ		Demolish Each Additional Layer Of Shingles.....	79.35	
<b>07 31 16</b>			<b>Metal Shingles (07 31)</b>		
<b>07 31 16 00-0001</b>			<b>Aluminum Shingles (07 31 16)</b>		
07 31 16 00-0002	SQ		Aluminum Shingles, Mill Finish, 0.020" Thick.....	781.14	162.06
			<i>For Colors, Anodized Finish, Add</i>	30.00	
			<i>For Bonderized Finish, Add</i>	47.00	
			<i>For 1" Factory Applied Polystyrene, Add</i>	37.00	
07 31 16 00-0003	SQ		Aluminum Shingles, Mill Finish, 0.030" Thick.....	1,089.44	177.13
			<i>For Colors, Anodized Finish, Add</i>	30.00	
			<i>For Bonderized Finish, Add</i>	47.00	
			<i>For 1" Factory Applied Polystyrene, Add</i>	37.00	
07 31 16 00-0004	LF		Aluminum Shingles, Ridge Cap, 0.020" Thick.....	14.63	2.33
07 31 16 00-0005	LF		Aluminum Shingles, Ridge Cap, 0.030" Thick.....	15.38	2.33
07 31 16 00-0006	LF		Aluminum Shingles, Valley Section, 0.020" Thick.....	9.07	2.33
07 31 16 00-0007	LF		Aluminum Shingles, Valley Section, 0.030" Thick.....	10.55	2.33
<b>07 31 16 00-0008</b>			<b>Galvanized Steel Shingles (07 31 16)</b>		
07 31 16 00-0009	SQ		24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles.....	447.33	145.83
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For &gt;50 To 75, Deduct</i>	-6.23	
			<i>For &gt;75 To 100, Deduct</i>	-18.19	
			<i>For &gt;100 To 200, Deduct</i>	-31.70	
			<i>For &gt;200, Deduct</i>	-43.67	
			<i>For Steep Roof, Over 7 To 12, Add</i>	93.34	
07 31 16 00-0010	SQ		26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles.....	432.03	144.66
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For &gt;50 To 75, Deduct</i>	-5.71	
			<i>For &gt;75 To 100, Deduct</i>	-17.23	
			<i>For &gt;100 To 200, Deduct</i>	-30.17	
			<i>For &gt;200, Deduct</i>	-41.68	
			<i>For Steep Roof, Over 7 To 12, Add</i>	92.55	
07 31 16 00-0011	SQ		24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles.....	674.23	145.83
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For &gt;50 To 75, Deduct</i>	-15.30	
			<i>For &gt;75 To 100, Deduct</i>	-34.07	
			<i>For &gt;100 To 200, Deduct</i>	-56.66	
			<i>For &gt;200, Deduct</i>	-75.43	
			<i>For Steep Roof, Over 7 To 12, Add</i>	93.34	

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 31 Shingles and Shakes**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
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07 31 16 00-0012	SQ 26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles.....	624.59	144.66
	For Factory Applied 1" Polystyrene Insulation, Add	24.75	
	For >50 To 75, Deduct	-13.41	
	For >75 To 100, Deduct	-30.71	
	For >100 To 200, Deduct	-51.35	
	For >200, Deduct	-68.64	
	For Steep Roof, Over 7 To 12, Add	92.55	
07 31 16 00-0013	LF Galvanized Steel Shingles, Ridge Or Valley .....	7.09	1.95
	For Factory Applied 1" Polystyrene Insulation, Add	24.75	
	For >50 To 75, Deduct	-0.13	
	For >75 To 100, Deduct	-0.32	
	For >100 To 200, Deduct	-0.55	
	For >200, Deduct	-0.74	
	For Steep Roof, Over 7 To 12, Add	1.22	

**07 31 26 Slate Shingles (07 31)**

Note: Includes 30 LB felt and fasteners.

**07 31 26 00-0001 Shingles Including 30 LB Felt And Nails (07 31 26)**

07 31 26 00-0002	SQ Slate Shingles, Buckingham, Virginia Black, 3/16" Thick .....	1,105.35	248.76
	For >50 To 75, Deduct	-22.10	
	For >75 To 100, Deduct	-52.50	
	For >100 To 200, Deduct	-88.42	
	For >200, Deduct	-118.82	
	For Graduated Shapes, Add	82.89	
	For Steep Roof, Over 7 To 12, Add	176.88	
07 31 26 00-0003	SQ Slate Shingles, Buckingham, Virginia Black, 1/4" Thick .....	1,256.47	248.76
	For >50 To 75, Deduct	-28.15	
	For >75 To 100, Deduct	-63.08	
	For >100 To 200, Deduct	-105.05	
	For >200, Deduct	-139.98	
	For Graduated Shapes, Add	105.56	
	For Steep Roof, Over 7 To 12, Add	176.88	
07 31 26 00-0004	SQ Slate Shingles, Penn Black Bangor.....	1,211.13	248.76
	For >50 To 75, Deduct	-26.33	
	For >75 To 100, Deduct	-59.90	
	For >100 To 200, Deduct	-100.06	
	For >200, Deduct	-133.63	
	For Graduated Shapes, Add	98.76	
	For Steep Roof, Over 7 To 12, Add	176.88	
07 31 26 00-0005	SQ Slate Shingles, Vermont, Unfading Colors, Green .....	1,226.25	248.76
	For >50 To 75, Deduct	-26.94	
	For >75 To 100, Deduct	-60.96	
	For >100 To 200, Deduct	-101.72	
	For >200, Deduct	-135.75	
	For Graduated Shapes, Add	101.02	
	For Steep Roof, Over 7 To 12, Add	176.88	
07 31 26 00-0006	SQ Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray.....	1,286.70	248.76
	For >50 To 75, Deduct	-29.36	
	For >75 To 100, Deduct	-65.19	
	For >100 To 200, Deduct	-108.37	
	For >200, Deduct	-144.21	
	For Graduated Shapes, Add	110.09	
	For Steep Roof, Over 7 To 12, Add	176.88	
07 31 26 00-0007	SQ Slate Shingles, Vermont, Unfading Color, Purple.....	1,211.13	248.76
	For >50 To 75, Deduct	-26.33	
	For >75 To 100, Deduct	-59.90	
	For >100 To 200, Deduct	-100.06	
	For >200, Deduct	-133.63	
	For Graduated Shapes, Add	98.76	
	For Steep Roof, Over 7 To 12, Add	176.88	
07 31 26 00-0008	SQ Slate Shingles, Vermont, Unfading Color, Black Or Gray .....	1,165.80	248.76
	For >50 To 75, Deduct	-24.52	
	For >75 To 100, Deduct	-56.73	
	For >100 To 200, Deduct	-95.07	
	For >200, Deduct	-127.28	
	For Graduated Shapes, Add	91.96	
	For Steep Roof, Over 7 To 12, Add	176.88	
07 31 26 00-0009	SQ Slate Shingles, Vermont, Unfading Color, Red .....	2,110.12	248.76
	For >50 To 75, Deduct	-62.29	
	For >75 To 100, Deduct	-122.83	
	For >100 To 200, Deduct	-198.95	
	For >200, Deduct	-259.49	
	For Graduated Shapes, Add	233.60	
	For Steep Roof, Over 7 To 12, Add	176.88	
07 31 26 00-0010	SQ Slate Shingles, Vermont, Unfading Color, Variegated Purple .....	1,211.13	248.76
	For >50 To 75, Deduct	-26.33	
	For >75 To 100, Deduct	-59.90	
	For >100 To 200, Deduct	-100.06	
	For >200, Deduct	-133.63	
	For Graduated Shapes, Add	98.76	
	For Steep Roof, Over 7 To 12, Add	176.88	

**07 31 29 Wood Shingles and Shakes (07 31)****07 31 29 13 Wood Shingles (07 31 29)**

07 31 29 13-0001 #1 Grade, Red Cedar Shingles (07 31 29 13)

07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0001)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0003	SQ		3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	749.84 134.17 49.58	209.64
07 31 29 13-0004	SQ		5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	545.86 100.63 34.71	157.23
07 31 29 13-0005	SQ		4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	662.15 114.05 45.86	178.20
07 31 29 13-0006	SQ		5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	542.69 93.92 37.38	146.75
07 31 29 13-0007	SQ		5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	694.29 88.89 62.48	138.89
07 31 29 13-0008	SQ		7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	541.98 75.47 45.92	117.92
<b>07 31 29 13-0009</b>			<b>#1 Grade, Red Cedar Shingles Installed On Walls</b> (07 31 29 13-0001)		
07 31 29 13-0010	SQ		7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	542.64 24.79	188.68
07 31 29 13-0011	SQ		8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	528.25 25.78	178.20
07 31 29 13-0012	SQ		10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	527.89 32.80	154.62
<b>07 31 29 13-0013</b>			<b>#2 Grade, Red Cedar Shingles</b> (07 31 29 13)		
<b>07 31 29 13-0014</b>			<b>#2 Grade, Red Cedar Shingles Installed On Roofs</b> (07 31 29 13-0013)		
07 31 29 13-0015	SQ		3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	707.24 140.88 40.05	220.13
07 31 29 13-0016	SQ		4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	631.93 127.46 35.04	199.16
07 31 29 13-0017	SQ		4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	668.38 127.46 40.51	199.16
07 31 29 13-0018	SQ		4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	596.63 114.05 36.03	178.20
07 31 29 13-0019	SQ		5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	568.37 88.89 43.59	138.89
07 31 29 13-0020	SQ		6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	467.44 77.15 33.95	120.54
<b>07 31 29 13-0021</b>			<b>#2 Grade, Red Cedar Shingles Installed On Walls</b> (07 31 29 13-0013)		
07 31 29 13-0022	SQ		6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	531.81 20.02	199.16
07 31 29 13-0023	SQ		7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	512.39 20.25	188.68
07 31 29 13-0024	SQ		9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	487.99 22.88	167.72
<b>07 31 29 16</b>			<b>Wood Shakes</b> (07 31 29)		
<b>07 31 29 16-0001</b>			<b>#1 Grade, Red Cedar Shakes</b> (07 31 29 16)		
<b>07 31 29 16-0002</b>			<b>#1 Grade, Red Cedar Shakes Installed On Roofs</b> (07 31 29 16-0001)		
07 31 29 16-0003	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	554.26 109.01 32.04	170.33
07 31 29 16-0004	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	625.46 109.01 42.72	170.33
07 31 29 16-0005	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	571.46 88.89 44.05	138.89
07 31 29 16-0006	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	601.71 88.89 48.59	138.89
<b>07 31 29 16-0007</b>			<b>#1 Grade, Red Cedar Shakes Installed On Walls</b> (07 31 29 16-0001)		
07 31 29 16-0008	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	580.47 32.04	183.43
07 31 29 16-0009	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	651.67 42.72	183.43
07 31 29 16-0010	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	608.16 44.05	157.23

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 31 Shingles and Shakes**MINOR  
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07 31 29 16-0011	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	638.41	157.23
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	48.59	

**07 31 29 19 Wood Shingles And Shakes Cap (07 31 29)****07 31 29 19-0001 Accessories (07 31 29 19)**

07 31 29 19-0002	LF	Hip Or Ridge Cap For Wood Shingles Or Shakes	8.81	1.36
		<i>For Steep Roof, Over 7 To 12, Add</i>	1.01	
		<i>For Pressure-Impregnated Treated (Preservative) Ridge, Add</i>	0.85	

**07 31 33 Composite Rubber Shingles (07 31)****07 31 33 00-0001 Synthetic Polymeric Rubber Slate Shingles (07 31 33)**

Note: As manufactured by EcoStar.

07 31 33 00-0002	SQ	Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure	1,017.61	217.18
		Note: Gray or black.		
		<i>For Purple Or Green Color, Add</i>	93.33	
		<i>For Brown Or Red Color, Add</i>	239.15	
		<i>For Steep Roof, Over 7 To 12, Add</i>	138.98	
		<i>For &gt;50 To 75, Deduct</i>	-14.58	
		<i>For &gt;75 To 100, Deduct</i>	-40.02	
		<i>For &gt;100 To 200, Deduct</i>	-65.46	
		<i>For &gt;200, Deduct</i>	-101.76	
		<i>For 6.5" Exposure, Add</i>	70.62	
		<i>For 6.0" Exposure, Add</i>	141.24	
07 31 33 00-0003	SQ	Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure	1,406.48	217.18
		Note: Fire resistant. Gray or black.		
		<i>For Purple, Green, Brown Or Red, Add</i>	145.83	
		<i>For Steep Roof, Over 7 To 12, Add</i>	138.98	
		<i>For &gt;50 To 75, Deduct</i>	-24.30	
		<i>For &gt;75 To 100, Deduct</i>	-59.47	
		<i>For &gt;100 To 200, Deduct</i>	-94.63	
		<i>For &gt;200, Deduct</i>	-140.65	
		<i>For 6.5" Exposure, Add</i>	98.40	
		<i>For 6.0" Exposure, Add</i>	196.79	
07 31 33 00-0004	SQ	Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure	1,177.73	217.18
		Note: Beaver tail, chisel point or beveled edges. Gray or black.		
		<i>For Purple, Green, Brown Or Red, Add</i>	267.63	
		<i>For Steep Roof, Over 7 To 12, Add</i>	138.98	
		<i>For &gt;50 To 75, Deduct</i>	-18.59	
		<i>For &gt;75 To 100, Deduct</i>	-48.03	
		<i>For &gt;100 To 200, Deduct</i>	-77.47	
		<i>For &gt;200, Deduct</i>	-117.77	
		<i>For 6.5" Exposure, Add</i>	82.06	
		<i>For 6.0" Exposure, Add</i>	164.11	
07 31 33 00-0005	SQ	Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure	1,486.54	217.18
		Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.		
		<i>For Purple, Green, Brown Or Red, Add</i>	115.75	
		<i>For Steep Roof, Over 7 To 12, Add</i>	138.98	
		<i>For &gt;50 To 75, Deduct</i>	-26.31	
		<i>For &gt;75 To 100, Deduct</i>	-63.47	
		<i>For &gt;100 To 200, Deduct</i>	-100.63	
		<i>For &gt;200, Deduct</i>	-148.65	
		<i>For 6.5" Exposure, Add</i>	104.12	
		<i>For 6.0" Exposure, Add</i>	208.22	
07 31 33 00-0006	LF	Hip Or Ridge Polymeric Rubber Slate Shingle	9.71	1.46
		Note: Beveled or pointed edges, gray or black.		

**07 32 Roof Tiles (07 30)****07 32 13 Clay Roof Tiles (07 32)**

Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

**07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure (07 32 13)**

Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0002	SQ	Lanai Or Classic Tile, 158 Piece Per SQ	1,250.72	235.92
		<i>For &gt;25 To 50, Deduct</i>	-46.73	
		<i>For &gt;50 To 75, Deduct</i>	-89.68	
		<i>For &gt;75 To 100, Deduct</i>	-124.84	
		<i>For &gt;100 To 200, Deduct</i>	-152.22	
		<i>For &gt;200, Deduct</i>	-171.80	
		<i>For 20 Year Warranty, Add</i>	54.52	
07 32 13 00-0003	SQ	Americana (Most Colors) Tile Roofing, 158 Piece Per SQ	1,502.45	235.92
		<i>For &gt;25 To 50, Deduct</i>	-61.83	
		<i>For &gt;50 To 75, Deduct</i>	-114.85	
		<i>For &gt;75 To 100, Deduct</i>	-157.57	
		<i>For &gt;100 To 200, Deduct</i>	-189.98	
		<i>For &gt;200, Deduct</i>	-212.08	
		<i>For 20 Year Warranty, Add</i>	72.14	
07 32 13 00-0004	SQ	Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,502.45	235.92
		<i>For &gt;25 To 50, Deduct</i>	-61.83	
		<i>For &gt;50 To 75, Deduct</i>	-114.85	
		<i>For &gt;75 To 100, Deduct</i>	-157.57	
		<i>For &gt;100 To 200, Deduct</i>	-189.98	
		<i>For &gt;200, Deduct</i>	-212.08	
		<i>For 20 Year Warranty, Add</i>	72.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0005	SQ		Americana (Blue) Tile, 158 Piece Per SQ.....	1,716.03	235.92
			For >25 To 50, Deduct	-74.65	
			For >50 To 75, Deduct	-136.21	
			For >75 To 100, Deduct	-185.33	
			For >100 To 200, Deduct	-222.01	
			For >200, Deduct	-246.25	
			For 20 Year Warranty, Add	87.09	
07 32 13 00-0006	SQ		French Tile Roofing, Red, 133 Piece Per SQ.....	1,491.06	288.46
			For >25 To 50, Deduct	-54.85	
			For >50 To 75, Deduct	-105.84	
			For >75 To 100, Deduct	-147.69	
			For >100 To 200, Deduct	-180.39	
			For >200, Deduct	-203.96	
			For 20 Year Warranty, Add	63.99	
07 32 13 00-0007	SQ		French Tile Roofing, Blue Or Green, 133 Piece Per SQ.....	1,866.79	288.46
			For >25 To 50, Deduct	-77.39	
			For >50 To 75, Deduct	-143.41	
			For >75 To 100, Deduct	-196.53	
			For >100 To 200, Deduct	-236.75	
			For >200, Deduct	-264.07	
			For 20 Year Warranty, Add	90.29	
07 32 13 00-0008	SQ		Norman Tile Roofing, 317 Piece Per SQ.....	2,380.70	389.15
			For >25 To 50, Deduct	-96.16	
			For >50 To 75, Deduct	-179.72	
			For >75 To 100, Deduct	-247.25	
			For >100 To 200, Deduct	-298.75	
			For >200, Deduct	-334.23	
			For 20 Year Warranty, Add	112.19	
07 32 13 00-0009	SQ		Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ.....	1,303.07	288.46
			For >25 To 50, Deduct	-43.57	
			For >50 To 75, Deduct	-87.04	
			For >75 To 100, Deduct	-123.25	
			For >100 To 200, Deduct	-152.19	
			For >200, Deduct	-173.88	
			For 20 Year Warranty, Add	50.83	
07 32 13 00-0010	SQ		Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ.....	1,607.44	288.46
			For >25 To 50, Deduct	-61.83	
			For >50 To 75, Deduct	-117.48	
			For >75 To 100, Deduct	-162.82	
			For >100 To 200, Deduct	-197.85	
			For >200, Deduct	-222.58	
			For 20 Year Warranty, Add	72.14	
07 32 13 00-0011	SQ		Spanish Tile Roofing, Red, 171 Piece Per SQ.....	1,119.29	215.98
			For >25 To 50, Deduct	-41.24	
			For >50 To 75, Deduct	-79.53	
			For >75 To 100, Deduct	-110.95	
			For >100 To 200, Deduct	-135.49	
			For >200, Deduct	-153.17	
			For 20 Year Warranty, Add	48.11	
07 32 13 00-0012	SQ		Spanish Tile Roofing, Blend, 171 Piece Per SQ.....	1,447.29	215.98
			For >25 To 50, Deduct	-60.92	
			For >50 To 75, Deduct	-112.33	
			For >75 To 100, Deduct	-153.59	
			For >100 To 200, Deduct	-184.69	
			For >200, Deduct	-205.65	
			For 20 Year Warranty, Add	71.07	
07 32 13 00-0013	SQ		Spanish Tile Roofing, Glazed White, 171 Piece Per SQ.....	1,729.53	215.98
			For >25 To 50, Deduct	-77.85	
			For >50 To 75, Deduct	-140.55	
			For >75 To 100, Deduct	-190.28	
			For >100 To 200, Deduct	-227.03	
			For >200, Deduct	-250.80	
			For 20 Year Warranty, Add	90.83	
07 32 13 00-0014	SQ		Two Piece Mission Tile Roofing, 192 Piece Per SQ.....	2,089.06	338.55
			For >25 To 50, Deduct	-84.72	
			For >50 To 75, Deduct	-158.12	
			For >75 To 100, Deduct	-217.41	
			For >100 To 200, Deduct	-262.58	
			For >200, Deduct	-293.62	
			For 20 Year Warranty, Add	98.84	
07 32 13 00-0015	SQ		One Piece Mission Tile Roofing, 75 Piece Per SQ.....	922.72	235.92
			For >25 To 50, Deduct	-27.05	
			For >50 To 75, Deduct	-56.88	
			For >75 To 100, Deduct	-82.20	
			For >100 To 200, Deduct	-103.02	
			For >200, Deduct	-119.32	
			For 20 Year Warranty, Add	31.56	
07 32 13 00-0016	SQ		One Piece Mission Tile Roofing, 134 Piece Per SQ.....	1,230.91	338.55
			For >25 To 50, Deduct	-33.23	
			For >50 To 75, Deduct	-72.31	
			For >75 To 100, Deduct	-105.85	
			For >100 To 200, Deduct	-133.85	
			For >200, Deduct	-156.32	
			For 20 Year Warranty, Add	38.77	
07 32 13 00-0017	SQ		MCA BABY "S" Tiles 9" x 13" 199 Piece Per SQ.....	2,597.79	338.55
			For >25 To 50, Deduct	-113.66	
			For >50 To 75, Deduct	-207.03	
			For >75 To 100, Deduct	-281.44	
			For >100 To 200, Deduct	-336.92	
			For >200, Deduct	-373.44	
			For 20 Year Warranty, Add	132.61	

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 32 Roof Tiles**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 32 13 00-0018	SQ	MCA BABY "S" Tiles 10 3/4" X 13 1/2" 170 Piece Per SQ.....	2,336.60	338.55
		<i>For &gt;25 To 50, Deduct</i>	-97.99	
		<i>For &gt;50 To 75, Deduct</i>	-180.91	
		<i>For &gt;75 To 100, Deduct</i>	-247.49	
		<i>For &gt;100 To 200, Deduct</i>	-297.74	
		<i>For &gt;200, Deduct</i>	-331.65	
		<i>For 20 Year Warranty, Add</i>	114.33	
07 32 13 00-0019	SQ	MCA BABY "S" Tiles 11 1/2" X 14" 139 Piece Per SQ.....	2,045.77	338.55
		<i>For &gt;25 To 50, Deduct</i>	-80.54	
		<i>For &gt;50 To 75, Deduct</i>	-151.82	
		<i>For &gt;75 To 100, Deduct</i>	-209.68	
		<i>For &gt;100 To 200, Deduct</i>	-254.11	
		<i>For &gt;200, Deduct</i>	-285.12	
		<i>For 20 Year Warranty, Add</i>	93.97	

**07 32 16 Concrete Roof Tiles (07 32)****07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood (07 32 16)**

Note: Includes 30 lb felt underlayment.

07 32 16 00-0002	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Earthtone Colors, Corrugated.....	931.64	357.63
		<i>For &gt;50 To 75, Deduct</i>	-8.65	
		<i>For &gt;75 To 100, Deduct</i>	-33.02	
		<i>For &gt;100 To 200, Deduct</i>	-59.56	
		<i>For &gt;200, Deduct</i>	-83.93	
		<i>For Steep Roof, Over 7 To 12, Add</i>	228.91	
07 32 16 00-0003	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Blues, Corrugated .....	1,145.69	357.63
		<i>For &gt;50 To 75, Deduct</i>	-17.21	
		<i>For &gt;75 To 100, Deduct</i>	-48.01	
		<i>For &gt;100 To 200, Deduct</i>	-83.10	
		<i>For &gt;200, Deduct</i>	-113.90	
		<i>For Steep Roof, Over 7 To 12, Add</i>	228.91	
07 32 16 00-0004	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Greens Corrugated .....	974.45	357.63
		<i>For &gt;50 To 75, Deduct</i>	-10.36	
		<i>For &gt;75 To 100, Deduct</i>	-36.02	
		<i>For &gt;100 To 200, Deduct</i>	-64.27	
		<i>For &gt;200, Deduct</i>	-89.93	
		<i>For Steep Roof, Over 7 To 12, Add</i>	228.91	
07 32 16 00-0005	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Colors, Shakes .....	909.85	319.98
		<i>For &gt;50 To 75, Deduct</i>	-10.79	
		<i>For &gt;75 To 100, Deduct</i>	-34.89	
		<i>For &gt;100 To 200, Deduct</i>	-61.68	
		<i>For &gt;200, Deduct</i>	-85.78	
		<i>For Steep Roof, Over 7 To 12, Add</i>	204.82	

**07 32 16 00-0006 Accessories (07 32 16)**

07 32 16 00-0007	EA	Ridge And Hip, 10" X 16-1/2", 8 LB Each For Concrete Tile Roof .....	3.61	
07 32 16 00-0008	EA	Rake, 6-1/2" X 16-3/4", 9 LB Each For Concrete Tile Roof.....	2.38	
07 32 16 00-0009	EA	Mansard Hip, 10" X 16-1/2", 9.2 LB Each For Concrete Tile Roof .....	3.59	
07 32 16 00-0010	EA	Hip Starter, 10" X 16-1/2", 10.5 LB Each For Concrete Tile Roof .....	4.11	
07 32 16 00-0011	EA	3 Or 4 Way Apex, 10" Each Side, 11.5 LB Each For Concrete Tile Roof.....	4.28	

**07 34 Roofing Underlayment (07 30)****07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment (07 34)**

Note: Standard slope.

07 34 00 00-0002	SQ	15 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened.....	31.61	7.00
		<i>For Steep Roof, Over 7 To 12, Add</i>	4.48	
		<i>For &gt;50 To 75, Deduct</i>	-0.70	
		<i>For &gt;75 To 100, Deduct</i>	-1.58	
		<i>For &gt;100 To 200, Deduct</i>	-2.64	
		<i>For &gt;200, Deduct</i>	-3.87	
07 34 00 00-0003	SQ	30 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened.....	48.68	9.63
		<i>For Steep Roof, Over 7 To 12, Add</i>	6.16	
		<i>For &gt;50 To 75, Deduct</i>	-1.18	
		<i>For &gt;75 To 100, Deduct</i>	-2.54	
		<i>For &gt;100 To 200, Deduct</i>	-4.20	
		<i>For &gt;200, Deduct</i>	-6.05	
07 34 00 00-0004	SQ	30 LB, Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened .....	54.22	9.63
		<i>For Steep Roof, Over 7 To 12, Add</i>	6.16	
		<i>For &gt;50 To 75, Deduct</i>	-1.40	
		<i>For &gt;75 To 100, Deduct</i>	-2.93	
		<i>For &gt;100 To 200, Deduct</i>	-4.81	
		<i>For &gt;200, Deduct</i>	-6.82	
07 34 00 00-0005	SQ	Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt).....	60.60	14.58
		<i>For Steep Roof, Over 7 To 12, Add</i>	9.33	
		<i>For &gt;50 To 75, Deduct</i>	-1.26	
		<i>For &gt;75 To 100, Deduct</i>	-2.93	
		<i>For &gt;100 To 200, Deduct</i>	-4.92	
		<i>For &gt;200, Deduct</i>	-7.32	
07 34 00 00-0006	SQ	17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25).....	67.16	14.58
		<i>For Steep Roof, Over 7 To 12, Add</i>	9.33	
		<i>For &gt;50 To 75, Deduct</i>	-1.52	
		<i>For &gt;75 To 100, Deduct</i>	-3.39	
		<i>For &gt;100 To 200, Deduct</i>	-5.64	
		<i>For &gt;200, Deduct</i>	-8.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0007	SQ		25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30).....	77.97	14.58
			<i>For Steep Roof, Over 7 To 12, Add</i>	9.33	
			<i>For &gt;50 To 75, Deduct</i>	-1.95	
			<i>For &gt;75 To 100, Deduct</i>	-4.15	
			<i>For &gt;100 To 200, Deduct</i>	-6.83	
			<i>For &gt;200, Deduct</i>	-9.75	
07 34 00 00-0008	SQ		30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50).....	72.57	14.58
			<i>For Steep Roof, Over 7 To 12, Add</i>	9.33	
			<i>For &gt;50 To 75, Deduct</i>	-1.74	
			<i>For &gt;75 To 100, Deduct</i>	-3.77	
			<i>For &gt;100 To 200, Deduct</i>	-6.23	
			<i>For &gt;200, Deduct</i>	-8.99	
<b>07 34 00 00-0009 Self-Adhering, Roofing Underlayment (07 34)</b>					
Note: Standard slope.					
07 34 00 00-0010	SQ		48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat).....	125.12	17.69
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.32	
			<i>For &gt;50 To 75, Deduct</i>	-3.59	
			<i>For &gt;75 To 100, Deduct</i>	-7.17	
			<i>For &gt;100 To 200, Deduct</i>	-11.64	
			<i>For &gt;200, Deduct</i>	-16.10	
07 34 00 00-0011	SQ		60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®).....	187.81	17.69
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.32	
			<i>For &gt;50 To 75, Deduct</i>	-6.10	
			<i>For &gt;75 To 100, Deduct</i>	-11.56	
			<i>For &gt;100 To 200, Deduct</i>	-18.54	
			<i>For &gt;200, Deduct</i>	-24.88	
07 34 00 00-0012	SQ		53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G).....	132.87	17.69
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.32	
			<i>For &gt;50 To 75, Deduct</i>	-3.90	
			<i>For &gt;75 To 100, Deduct</i>	-7.71	
			<i>For &gt;100 To 200, Deduct</i>	-12.49	
			<i>For &gt;200, Deduct</i>	-17.19	
07 34 00 00-0013	SQ		65 Mil, Fire Rated, Polyester Non Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal).....	125.12	17.69
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.32	
			<i>For &gt;50 To 75, Deduct</i>	-3.59	
			<i>For &gt;75 To 100, Deduct</i>	-7.17	
			<i>For &gt;100 To 200, Deduct</i>	-11.64	
			<i>For &gt;200, Deduct</i>	-16.10	
07 34 00 00-0014	SQ		45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30).....	178.77	17.69
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.32	
			<i>For &gt;50 To 75, Deduct</i>	-5.74	
			<i>For &gt;75 To 100, Deduct</i>	-10.92	
			<i>For &gt;100 To 200, Deduct</i>	-17.54	
			<i>For &gt;200, Deduct</i>	-23.61	
07 34 00 00-0015	SQ		25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select).....	150.44	17.69
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.32	
			<i>For &gt;50 To 75, Deduct</i>	-4.60	
			<i>For &gt;75 To 100, Deduct</i>	-8.94	
			<i>For &gt;100 To 200, Deduct</i>	-14.43	
			<i>For &gt;200, Deduct</i>	-19.65	
07 34 00 00-0016	SQ		40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®).....	223.44	17.69
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.32	
			<i>For &gt;50 To 75, Deduct</i>	-7.52	
			<i>For &gt;75 To 100, Deduct</i>	-14.05	
			<i>For &gt;100 To 200, Deduct</i>	-22.46	
			<i>For &gt;200, Deduct</i>	-29.87	
07 34 00 00-0017	SQ		40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT).....	255.42	17.69
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.32	
			<i>For &gt;50 To 75, Deduct</i>	-8.80	
			<i>For &gt;75 To 100, Deduct</i>	-16.29	
			<i>For &gt;100 To 200, Deduct</i>	-25.97	
			<i>For &gt;200, Deduct</i>	-34.34	
07 34 00 00-0018	SQ		30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra).....	375.39	17.69
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.32	
			<i>For &gt;50 To 75, Deduct</i>	-13.60	
			<i>For &gt;75 To 100, Deduct</i>	-24.69	
			<i>For &gt;100 To 200, Deduct</i>	-39.17	
			<i>For &gt;200, Deduct</i>	-51.14	

07 40 Roofing and Siding Panels (07)

07 41 Roof Panels (07 40)

Note: Includes standard fasteners, grommets, cleats for installation.

**07 Thermal And Moisture Protection****07 40 Roofing and Siding Panels****07 41 Roof Panels**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 41 13</b>			<b>Metal Roof Panels (07 41)</b>		
07 41 13 00-0001			Exposed Fastener Metal Roofing (07 41 13) Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.		
07 41 13 00-0002			Galvanized Exposed Fastener Metal Roofing (07 41 13 00-0001)		
07 41 13 00-0003			Galvanized Steel Exposed Fastener Metal Roof Panels (07 41 13 00-0002)		
07 41 13 00-0004	SF		18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels .....9.23 For Fluoropolymer (Kynar®) Coating, Add .....0.85 For Steep Roof, Over 7 To 12, Add .....1.50	2.92	
07 41 13 00-0005	SF		20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels .....8.43 For Fluoropolymer (Kynar®) Coating, Add .....0.85 For Steep Roof, Over 7 To 12, Add .....1.50	2.92	
07 41 13 00-0006	SF		22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels .....7.87 For Fluoropolymer (Kynar®) Coating, Add .....0.85 For Steep Roof, Over 7 To 12, Add .....1.50	2.92	
07 41 13 00-0007	SF		24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels .....7.31 For Fluoropolymer (Kynar®) Coating, Add .....0.85 For Steep Roof, Over 7 To 12, Add .....1.50	2.92	
07 41 13 00-0008	SF		26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels .....5.09 For Fluoropolymer (Kynar®) Coating, Add .....0.85 For Steep Roof, Over 7 To 12, Add .....0.93	1.05	
07 41 13 00-0009	SF		29 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels .....6.46 For Fluoropolymer (Kynar®) Coating, Add .....0.85 For Steep Roof, Over 7 To 12, Add .....1.50	2.92	
07 41 13 00-0010	SF		30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels .....6.29 For Fluoropolymer (Kynar®) Coating, Add .....0.85 For Steep Roof, Over 7 To 12, Add .....1.50	2.92	
07 41 13 00-0011			Galvanized Exposed Fastener Metal Roof Accessories (07 41 13 00-0002) See CSI section 07 41 13 00-0038 for accessories.		
07 41 13 00-0012	LF		Ridge Flashing For Galvanized Steel Exposed Fastener Roofing .....30.71 For Steep Roof, Over 7 To 12, Add .....5.96 For Fluoropolymer (Kynar®) Coating, Add .....1.21	4.68	
07 41 13 00-0013	LF		Eave Flashing For Galvanized Steel Exposed Fastener Roofing .....25.78 For Steep Roof, Over 7 To 12, Add .....5.96 For Fluoropolymer (Kynar®) Coating, Add .....0.72	4.68	
07 41 13 00-0014	LF		Valley Flashing For Galvanized Steel Exposed Fastener Roofing .....35.46 For Steep Roof, Over 7 To 12, Add .....5.96 For Fluoropolymer (Kynar®) Coating, Add .....1.69	4.68	
07 41 13 00-0015	LF		Hip Flashing For Galvanized Steel Exposed Fastener Roofing .....31.14 For Steep Roof, Over 7 To 12, Add .....5.96 For Fluoropolymer (Kynar®) Coating, Add .....1.25	4.68	
07 41 13 00-0016			Aluminum Exposed Fastener Metal Roofing (07 41 13 00-0001)		
07 41 13 00-0017			Aluminum Exposed Fastener Metal Roof Panels (07 41 13 00-0016)		
07 41 13 00-0018	SF		0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels .....5.49 For Fluoropolymer (Kynar®) Coating, Add .....0.85 For Steep Roof, Over 7 To 12, Add .....1.50	2.92	
07 41 13 00-0019	SF		0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels .....5.62 For Fluoropolymer (Kynar®) Coating, Add .....0.85 For Steep Roof, Over 7 To 12, Add .....1.50	2.92	
07 41 13 00-0020	SF		0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels .....5.93 For Fluoropolymer (Kynar®) Coating, Add .....0.85 For Steep Roof, Over 7 To 12, Add .....1.50	2.92	
07 41 13 00-0021	SF		0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels .....6.35 For Fluoropolymer (Kynar®) Coating, Add .....0.85 For Steep Roof, Over 7 To 12, Add .....1.50	2.92	
07 41 13 00-0022	SF		0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels .....6.77 For Fluoropolymer (Kynar®) Coating, Add .....0.85 For Steep Roof, Over 7 To 12, Add .....1.50	2.92	
07 41 13 00-0023	SF		0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels .....7.29 For Fluoropolymer (Kynar®) Coating, Add .....0.85 For Steep Roof, Over 7 To 12, Add .....1.50	2.92	
07 41 13 00-0024			Aluminum Exposed Fastener Metal Roof Accessories (07 41 13 00-0016)		
07 41 13 00-0025	LF		Ridge Flashing For Aluminum Exposed Fastener Metal Roofing .....26.71 For Steep Roof, Over 7 To 12, Add .....3.74 For Fluoropolymer (Kynar®) Coating, Add .....1.50	4.68	
07 41 13 00-0026	LF		Eave Flashing For Aluminum Exposed Fastener Metal Roofing .....20.55 For Steep Roof, Over 7 To 12, Add .....3.74 For Fluoropolymer (Kynar®) Coating, Add .....0.89	4.68	
07 41 13 00-0027	LF		Valley Flashing For Aluminum Exposed Fastener Metal Roofing .....32.65 For Steep Roof, Over 7 To 12, Add .....3.74 For Fluoropolymer (Kynar®) Coating, Add .....2.10	4.68	
07 41 13 00-0028	LF		Hip Flashing For Aluminum Exposed Fastener Metal Roofing .....27.25 For Steep Roof, Over 7 To 12, Add .....3.74 For Fluoropolymer (Kynar®) Coating, Add .....1.56	4.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 41 13 00-0029			<b>Standing Seam Roofs</b> (07 41 13) Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		
07 41 13 00-0030			<b>Galvanized Steel Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0029) Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0031			<b>Galvanized Steel Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0030)		
07 41 13 00-0032	SF		Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing ..... 11.71	11.71	3.10
			For Steep Roof, Over 6 To 12, Add	1.86	
			For 140 MPH Wind Load, Add	0.73	
			For Panels <16" Wide, Add	1.73	
			For Up To 1,500, Add	2.93	
			For >1,500 To 5,000, Add	1.76	
			For >5,000 To 10,000, Add	0.29	
07 41 13 00-0033	SF		Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing ..... 12.23	12.23	3.10
			For Steep Roof, Over 6 To 12, Add	1.86	
			For 140 MPH Wind Load, Add	0.74	
			For Panels <16" Wide, Add	1.76	
			For Up To 1,500, Add	3.06	
			For >1,500 To 5,000, Add	1.83	
			For >5,000 To 10,000, Add	0.31	
07 41 13 00-0034	SF		Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing ..... 11.25	11.25	3.10
			For Steep Roof, Over 6 To 12, Add	1.86	
			For 140 MPH Wind Load, Add	0.72	
			For Panels <16" Wide, Add	1.71	
			For Up To 1,500, Add	2.81	
			For >1,500 To 5,000, Add	1.69	
			For >5,000 To 10,000, Add	0.28	
07 41 13 00-0035	SF		Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing ..... 11.44	11.44	3.10
			For Steep Roof, Over 6 To 12, Add	1.86	
			For 140 MPH Wind Load, Add	0.72	
			For Panels <16" Wide, Add	1.72	
			For Up To 1,500, Add	2.86	
			For >1,500 To 5,000, Add	1.72	
			For >5,000 To 10,000, Add	0.29	
07 41 13 00-0036	SF		Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing ..... 11.64	11.64	3.10
			For Steep Roof, Over 6 To 12, Add	1.86	
			For 140 MPH Wind Load, Add	0.73	
			For Panels <16" Wide, Add	1.73	
			For Up To 1,500, Add	2.91	
			For >1,500 To 5,000, Add	1.75	
			For >5,000 To 10,000, Add	0.29	
07 41 13 00-0037	SF		Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing ..... 12.39	12.39	3.10
			For Steep Roof, Over 6 To 12, Add	1.86	
			For 140 MPH Wind Load, Add	0.74	
			For Panels <16" Wide, Add	1.77	
			For Up To 1,500, Add	3.10	
			For >1,500 To 5,000, Add	1.86	
			For >5,000 To 10,000, Add	0.31	
07 41 13 00-0038			<b>Accessories For Galvanized Steel Standing Seam Roofing</b> (07 41 13 00-0030)		
07 41 13 00-0039	LF		Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing ..... 31.92	31.92	7.44
			For Steep Roof, Over 6 To 12, Add	5.58	
			For 140 MPH Wind Load, Add	2.13	
07 41 13 00-0040	LF		Eave Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing ..... 26.50	26.50	7.44
			For Steep Roof, Over 6 To 12, Add	5.58	
			For 140 MPH Wind Load, Add	2.02	
07 41 13 00-0041	LF		Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing ..... 37.14	37.14	7.44
			For Steep Roof, Over 6 To 12, Add	5.58	
			For 140 MPH Wind Load, Add	2.23	
07 41 13 00-0042	LF		Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing ..... 32.39	32.39	7.44
			For Steep Roof, Over 6 To 12, Add	5.58	
			For 140 MPH Wind Load, Add	2.14	
07 41 13 00-0043			<b>Aluminum Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0029) Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0044			<b>Aluminum Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0043)		
07 41 13 00-0045	SF		Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing ..... 12.08	12.08	3.10
			For Steep Roof, Over 6 To 12, Add	1.86	
			For 140 MPH Wind Load, Add	0.74	
			For Panels <16" Wide, Add	1.75	
			For Up To 1,500, Add	3.02	
			For >1,500 To 5,000, Add	1.81	
			For >5,000 To 10,000, Add	0.30	

**07 Thermal And Moisture Protection****07 40 Roofing and Siding Panels****07 41 Roof Panels**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0046	SF		Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing .....	12.52	3.10
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.86	
			<i>For 140 MPH Wind Load, Add</i>	0.75	
			<i>For Panels &lt;16" Wide, Add</i>	1.77	
			<i>For Up To 1,500, Add</i>	3.13	
			<i>For &gt;1,500 To 5,000, Add</i>	1.88	
			<i>For &gt;5,000 To 10,000, Add</i>	0.31	
07 41 13 00-0047	SF		Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing.....	11.82	3.10
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.86	
			<i>For 140 MPH Wind Load, Add</i>	0.73	
			<i>For Panels &lt;16" Wide, Add</i>	1.74	
			<i>For Up To 1,500, Add</i>	2.96	
			<i>For &gt;1,500 To 5,000, Add</i>	1.77	
			<i>For &gt;5,000 To 10,000, Add</i>	0.30	
07 41 13 00-0048	SF		Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing.....	12.64	3.10
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.86	
			<i>For 140 MPH Wind Load, Add</i>	0.75	
			<i>For Panels &lt;16" Wide, Add</i>	1.78	
			<i>For Up To 1,500, Add</i>	3.16	
			<i>For &gt;1,500 To 5,000, Add</i>	1.90	
			<i>For &gt;5,000 To 10,000, Add</i>	0.32	
<b>07 41 13 00-0049</b>			<b>Accessories For Aluminum Standing Seam Roofing</b> (07 41 13 00-0043)		
07 41 13 00-0050	LF		Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing .....	35.12	7.44
			<i>For Steep Roof, Over 6 To 12, Add</i>	5.58	
			<i>For 140 MPH Wind Load, Add</i>	2.19	
07 41 13 00-0051	LF		Eave Flashing For Aluminum Standing Seam Concealed Fastener Roofing .....	28.35	7.44
			<i>For Steep Roof, Over 6 To 12, Add</i>	5.58	
			<i>For 140 MPH Wind Load, Add</i>	2.06	
07 41 13 00-0052	LF		Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	41.65	7.44
			<i>For Steep Roof, Over 6 To 12, Add</i>	5.58	
			<i>For 140 MPH Wind Load, Add</i>	2.32	
07 41 13 00-0053	LF		Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing .....	35.72	7.44
			<i>For Steep Roof, Over 6 To 12, Add</i>	5.58	
			<i>For 140 MPH Wind Load, Add</i>	2.20	
<b>07 41 13 00-0054</b>			<b>Stainless Steel Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0029)		
<b>07 41 13 00-0055</b>			<b>Stainless Steel Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0054)		
07 41 13 00-0056	SF		Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing.....	21.99	3.72
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.79	
			<i>For 140 MPH Wind Load, Add</i>	1.18	
			<i>For Panels &lt;16" Wide, Add</i>	2.82	
			<i>For Up To 1,500, Add</i>	5.50	
			<i>For &gt;1,500 To 5,000, Add</i>	3.30	
			<i>For &gt;5,000 To 10,000, Add</i>	0.55	
07 41 13 00-0057	SF		Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing.....	24.69	3.72
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.79	
			<i>For 140 MPH Wind Load, Add</i>	1.24	
			<i>For Panels &lt;16" Wide, Add</i>	2.96	
			<i>For Up To 1,500, Add</i>	6.17	
			<i>For &gt;1,500 To 5,000, Add</i>	3.70	
			<i>For &gt;5,000 To 10,000, Add</i>	0.62	
07 41 13 00-0058	SF		Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing.....	27.89	3.72
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.79	
			<i>For 140 MPH Wind Load, Add</i>	1.30	
			<i>For Panels &lt;16" Wide, Add</i>	3.12	
			<i>For Up To 1,500, Add</i>	6.97	
			<i>For &gt;1,500 To 5,000, Add</i>	4.18	
			<i>For &gt;5,000 To 10,000, Add</i>	0.70	
07 41 13 00-0059	SF		Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing.....	31.99	3.72
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.79	
			<i>For 140 MPH Wind Load, Add</i>	1.38	
			<i>For Panels &lt;16" Wide, Add</i>	3.32	
			<i>For Up To 1,500, Add</i>	8.00	
			<i>For &gt;1,500 To 5,000, Add</i>	4.80	
			<i>For &gt;5,000 To 10,000, Add</i>	0.80	
<b>07 41 13 00-0060</b>			<b>Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0054)		
07 41 13 00-0061	LF		Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing .....	70.48	7.44
			<i>For Steep Roof, Over 6 To 12, Add</i>	6.29	
			<i>For 140 MPH Wind Load, Add</i>	3.09	
07 41 13 00-0062	LF		Eave Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing .....	46.49	7.44
			<i>For Steep Roof, Over 6 To 12, Add</i>	6.29	
			<i>For 140 MPH Wind Load, Add</i>	2.61	
07 41 13 00-0063	LF		Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing.....	93.16	7.44
			<i>For Steep Roof, Over 6 To 12, Add</i>	6.29	
			<i>For 140 MPH Wind Load, Add</i>	3.54	
07 41 13 00-0064	LF		Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing .....	72.27	7.44
			<i>For Steep Roof, Over 6 To 12, Add</i>	6.29	
			<i>For 140 MPH Wind Load, Add</i>	3.12	
<b>07 41 13 00-0065</b>			<b>Metal Roof Surfacing</b> (07 41 13)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0066	SF		Acrylic, Metal Roof Primer, One Coat <i>For Steep Roof, Over 7 To 12, Add</i>	0.37 0.06	
07 41 13 00-0067	SF		Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat <i>Note: 55% solids by volume. For Steep Roof, Over 7 To 12, Add</i>	0.54 0.06	
<b>07 41 16 Insulated Metal Roof Panels (07 41)</b>					
07 41 16 00-0001			Standing Seam Polyurethane Insulated Metal Roof Panels (07 41 16)		
07 41 16 00-0002			Standing Seam Polyurethane Insulated Metal Roof Panel (07 41 16 00-0001) <i>Note: Exterior face gauge shall be 24 gauge, galvanized steel; Interior liner shall be 24 gauge. Galvalume® AZ-55 coating designation with texture; Non-CFC polyurethane foam core.</i>		
07 41 16 00-0003	SF		2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	19.80	3.80
07 41 16 00-0004	SF		2-1/2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	21.77	4.09
07 41 16 00-0005	SF		3" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	23.18	4.44
07 41 16 00-0006	SF		4" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	24.29	4.70
07 41 16 00-0007	SF		5" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	25.46	4.96
07 41 16 00-0008	SF		6" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	26.45	5.21
<b>07 41 33 Plastic Roof Panels (07 41)</b>					
07 41 33 00-0001			Polyvinyl Chloride (PVC) Roofing Panels (07 41 33)		
07 41 33 00-0002			Polyvinyl Chloride (PVC) Roofing Panels (07 41 33 00-0001)		
07 41 33 00-0003	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	5.40	1.95
07 41 33 00-0004	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	5.13	1.75
07 41 33 00-0005	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide	5.57	1.95
07 41 33 00-0006	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide	5.27	1.75
07 41 33 00-0007			Polyvinyl Chloride (PVC) Roofing Accessories (07 41 33 00-0001)		
07 41 33 00-0008	LF		1" "J" Channel, Starter Strip Trim	3.38	1.46
07 41 33 00-0009	LF		3-1/2" "J" Channel, Starter Strip Trim	4.65	1.46
07 41 33 00-0010	LF		Outside Corner Post, 7/8" Pocket	5.02	1.46
07 41 33 00-0011	LF		Inside Corner Post, 7/8" Pocket	4.03	1.46
07 41 33 00-0012			Fiberglass Roofing Panel (07 41 33)		
07 41 33 00-0013			Corrugated Panels (07 41 33 00-0012)		
07 41 33 00-0014	SF		8 Ounce Corrugated Fiberglass Panel	5.43	1.56
07 41 33 00-0015	SF		12 Ounce Corrugated Fiberglass Panel	6.18	1.56
<b>07 42 Wall Panels (07 40)</b>					
<b>07 42 13 Metal Wall Panels (07 42)</b>					
<b>07 42 13 19 Insulated Metal Wall Panels (07 42 13)</b>					
07 42 13 19-0001			Insulated Panels For Sash/Window Replacement (07 42 13 19) <i>Note: Porcelain or polymer finish on aluminum panel with polystyrene core.</i>		
07 42 13 19-0002	SF		1" Insulated Panel For Sash Or Window Replacement <i>For Non-Insulated Panels, Deduct</i>	20.03 -2.89	4.19
07 42 13 19-0003	SF		1-1/4" Insulated Panel For Sash Or Window Replacement <i>For Non-Insulated Panels, Deduct</i>	21.71 -3.09	4.71
07 42 13 19-0004	SF		1-3/4" Insulated Panel For Sash Or Window Replacement <i>For Non-Insulated Panels, Deduct</i>	23.24 -3.29	5.24
07 42 13 19-0005	SF		2-1/4" Insulated Panel For Sash Or Window Replacement <i>For Non-Insulated Panels, Deduct</i>	24.88 -3.49	5.45
07 42 13 19-0006	SF		3-1/4" Insulated Panel For Sash Or Window Replacement <i>For Non-Insulated Panels, Deduct</i>	28.13 -4.06	5.97
07 42 13 19-0007	SF		4-1/4" Insulated Panel For Sash Or Window Replacement <i>For Non-Insulated Panels, Deduct</i>	32.56 -4.87	6.61
<b>07 42 13 23 Metal Composite Material Wall Panels (07 42 13)</b>					
07 42 13 23-0001			24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels (07 42 13 23) <i>Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Meti-Span Corporation.</i>		
07 42 13 23-0002	SF		2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add For Premium Exterior Colors, Add</i>	18.91 0.24 0.12	2.69
07 42 13 23-0003	SF		2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add For Premium Exterior Colors, Add</i>	21.36 0.24 0.12	3.04
07 42 13 23-0004	SF		3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add For Premium Exterior Colors, Add</i>	23.46 0.24 0.12	3.45

**07 Thermal And Moisture Protection****07 40 Roofing and Siding Panels****07 42 Wall Panels**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 42 13 23-0005	SF	4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels.....	26.46	4.57
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
		For Premium Exterior Colors, Add	0.12	

**07 42 63 Fabricated Wall Panel Assemblies (07 42)****07 42 63 00-0001 Insulated Freezer And Chiller Panels (07 42 63)**

Note: Excludes suspension system for ceiling support.

**07 42 63 00-0002 Polyurethane Sandwich Panel (07 42 63 00-0001)**

Note: With 22 gauge galvanized sheet metal face excludes painting.

07 42 63 00-0003	SF	2" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	17.73	1.59
07 42 63 00-0004	SF	3" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	18.77	1.59
07 42 63 00-0005	SF	4" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	22.32	1.59
07 42 63 00-0006	SF	5" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	24.15	1.69
07 42 63 00-0007	SF	6" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	25.65	1.69
07 42 63 00-0008	SF	2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner).....	15.89	1.31
07 42 63 00-0009	SF	3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner).....	17.28	1.31
07 42 63 00-0010	SF	4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner).....	20.80	1.40
07 42 63 00-0011	SF	5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner).....	20.19	1.40
07 42 63 00-0012	SF	6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner).....	23.74	1.40

**07 42 63 00-0013 Polyurethane Sandwich Panel (07 42 63 00-0001)**

Note: With .040 aluminum baked enamel finish.

07 42 63 00-0014	SF	2" Freezer Panel 0.040" Aluminum Finish Both Faces.....	10.33	1.59
07 42 63 00-0015	SF	3" Freezer Panel 0.040" Aluminum Finish Both Faces.....	10.98	1.59
07 42 63 00-0016	SF	4" Freezer Panel 0.040" Aluminum Finish Both Faces.....	12.70	1.59
07 42 63 00-0017	SF	5" Freezer Panel 0.040" Aluminum Finish Both Faces.....	13.77	1.69
07 42 63 00-0018	SF	6" Freezer Panel 0.040" Aluminum Finish Both Faces.....	14.54	1.69
07 42 63 00-0019	SF	2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel).....	9.23	1.31
07 42 63 00-0020	SF	3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel).....	9.88	1.31
07 42 63 00-0021	SF	4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel).....	10.58	1.40
07 42 63 00-0022	SF	5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel).....	12.30	1.40
07 42 63 00-0023	SF	6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel).....	13.36	1.40

**07 42 93 Soffit Panels (07 42)****07 42 93 00-0001 Aluminum Soffit And Fascia (07 42 93)**

Note: Excludes J-channel.

07 42 93 00-0002	LF	6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit .....	3.99	1.46
		For 0.015" Thick, Deduct	-0.06	
07 42 93 00-0003	LF	10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit .....	4.83	1.55
		For 0.015" Thick, Deduct	-0.11	
07 42 93 00-0004	LF	1" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	5.25	1.59
		For 0.015" Thick, Deduct	-0.15	
07 42 93 00-0005	LF	1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	6.45	1.67
		For 0.015" Thick, Deduct	-0.21	
07 42 93 00-0006	LF	2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	7.82	1.83
		For 0.015" Thick, Deduct	-0.30	
07 42 93 00-0007	LF	3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	10.28	2.01
		For 0.015" Thick, Deduct	-0.44	
07 42 93 00-0008	LF	4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	12.75	2.22
		For 0.015" Thick, Deduct	-0.59	
07 42 93 00-0009	LF	5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	15.28	2.44
		For 0.015" Thick, Deduct	-0.76	
07 42 93 00-0010	LF	4" Exposure, 0.024" Thick, Aluminum Fascia.....	4.58	1.43
07 42 93 00-0011	LF	6" Exposure, 0.024" Thick, Aluminum Fascia.....	4.97	1.46
07 42 93 00-0012	LF	8" Exposure, 0.024" Thick, Aluminum Fascia.....	5.75	1.52
07 42 93 00-0013	LF	10" Exposure, 0.024" Thick, Aluminum Fascia.....	6.59	1.55

**07 46 Siding (07 40)****07 46 16 Aluminum Siding (07 46)**

Note: Includes all necessary furring strips, trim for corners, windows and doors.

**07 46 16 00-0001 Aluminum Coil Stock Cladding (07 46 16)**

Note: Per SF of board, includes overlappage.

07 46 16 00-0002	SF	0.016" Thick, Aluminum Clad Siding .....	11.51	4.32
07 46 16 00-0003	SF	0.019" Thick, Aluminum Clad Siding .....	11.61	4.32
07 46 16 00-0004	SF	0.024" Thick, Aluminum Clad Siding .....	11.78	4.32

**07 46 16 00-0005 Aluminum Siding Panels (07 46 16)****07 46 16 00-0006 Corrugated Aluminum Siding Panels (07 46 16 00-0005)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0007	SF	0.019", Painted Finish, Corrugated Aluminum Siding Panel .....	7.15	2.34
07 46 16 00-0008	SF	0.021", Painted Finish, Corrugated Aluminum Siding Panel .....	7.38	2.34
07 46 16 00-0009	SF	0.024", Painted Finish, Corrugated Aluminum Siding Panel .....	8.12	2.34
07 46 16 00-0010	SF	0.032", Painted Finish, Corrugated Aluminum Siding Panel .....	9.55	2.34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>07 46 16 00-0011 V- Beam Aluminum Siding Panels (07 46 16 00-0005)</b>					
Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.					
07 46 16 00-0012	SF		0.032", Painted Finish, V- Beam Aluminum Siding Panel .....	9.49	2.34
07 46 16 00-0013	SF		0.040", Painted Finish, V- Beam Aluminum Siding Panel .....	10.45	2.34
07 46 16 00-0014	SF		0.050", Painted Finish, V- Beam Aluminum Siding Panel .....	12.73	2.34

<b>07 46 16 00-0015 Box Ribbed Aluminum Siding Panels (07 46 16 00-0005)</b>					
Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.					
07 46 16 00-0016	SF		0.032", Painted Finish, Box Ribbed Aluminum Siding Panel .....	9.91	2.34
07 46 16 00-0017	SF		0.040", Painted Finish, Box Ribbed Aluminum Siding Panel .....	10.84	2.34
07 46 16 00-0018	SF		0.050", Painted Finish, Box Ribbed Aluminum Siding Panel .....	11.41	2.34

<b>07 46 16 00-0019 Aluminum Siding Accessories (07 46 16)</b>					
07 46 16 00-0020	LF		3/8" Pocket, Aluminum J-Channel .....	3.14	1.37
07 46 16 00-0021	LF		1/2" Pocket, Aluminum J-Channel .....	3.14	1.37
07 46 16 00-0022	LF		3/4" Pocket, Aluminum J-Channel .....	3.61	1.37
07 46 16 00-0023	LF		3/8" Pocket, Aluminum F-Channel .....	3.30	1.37
07 46 16 00-0024	LF		1/2" Pocket, Aluminum F-Channel .....	3.30	1.37

**07 46 19 Steel Siding (07 46)**  
 Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

<b>07 46 19 00-0001 Steel Siding Panels (07 46 19)</b>					
<b>07 46 19 00-0002 Corrugated Steel Siding Panels (07 46 19 00-0001)</b>					
Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.					
07 46 19 00-0003	SF		20 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	9.64	2.34
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.24	
07 46 19 00-0004	SF		22 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	8.98	2.34
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.08	
07 46 19 00-0005	SF		24 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	8.81	2.34
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.03	
07 46 19 00-0006	SF		26 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	6.86	2.34
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.55	
07 46 19 00-0007	SF		28 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	6.72	2.34
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.51	
07 46 19 00-0008	SF		30 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	6.63	2.34
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.49	

<b>07 46 19 00-0009 Box Ribbed Steel Siding Panels (07 46 19 00-0001)</b>					
Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.					
07 46 19 00-0010	SF		20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel .....	9.14	2.34
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.12	
07 46 19 00-0011	SF		22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel .....	8.85	2.34
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.04	
07 46 19 00-0012	SF		24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel .....	8.65	2.34
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.99	
07 46 19 00-0013	SF		26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel .....	8.32	2.34
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.91	
07 46 19 00-0014	SF		28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel .....	7.61	2.34
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.73	

<b>07 46 19 00-0015 Clapboard Steel Siding Panels (07 46 19 00-0001)</b>					
Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.					
07 46 19 00-0016	SF		29 Gauge, Painted Finish, Clapboard Steel Siding Panel .....	6.70	1.17

**07 46 23 Wood Siding (07 46)**  
 Note: Includes all necessary furring strips, trim for corners, windows and doors.

<b>07 46 23 00-0001 Wood Lap Siding (07 46 23)</b>					
07 46 23 00-0002	LF		8" Wide Rough Sawn Cedar Lap Siding .....	3.57	1.43
07 46 23 00-0003	LF		10" Wide Rough Sawn Cedar Lap Siding .....	3.94	1.53
07 46 23 00-0004	LF		12" Wide Rough Sawn Cedar Lap Siding .....	4.34	1.62
07 46 23 00-0005	LF		6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade .....	3.77	1.43
07 46 23 00-0006	LF		6" To 8" Wide Spruce Lap Siding, #2 Or Better .....	4.13	1.43
07 46 23 00-0007	LF		6" To 8" Wide Western Red Cedar, B Grade Lap Siding .....	4.90	1.43
07 46 23 00-0008	LF		6" To 8" Wide Western Red Cedar, A Grade Lap Siding .....	5.19	1.43
07 46 23 00-0009	LF		6" To 8" Wide Clear Heart Redwood Lap Siding .....	4.77	1.43
07 46 23 00-0010	LF		1" x 8" Cedar Round Or Flat Front Siding, Log Cabin .....	5.16	1.53
07 46 23 00-0011	LF		1" x 8" Cedar Beveled Siding, Channel, Rustic .....	5.16	1.53

<b>07 46 23 00-0012 Tongue And Groove Siding (07 46 23)</b>					
07 46 23 00-0013	SF		1" x 6" Tongue And Groove Southern Yellow Pine Siding .....	3.55	1.43
07 46 23 00-0014	SF		1" x 8" Tongue And Groove Southern Yellow Pine Siding .....	3.86	1.43
07 46 23 00-0015	SF		1" x 6" 105 Southern Yellow Pine Siding .....	3.62	1.43
07 46 23 00-0016	SF		1" x 8" 105 Southern Yellow Pine Siding .....	4.05	1.43

**07 46 29 Plywood Siding (07 46)**  
 Note: Includes all necessary furring strips, trim for corners, windows and doors.

**07 Thermal And Moisture Protection****07 40 Roofing and Siding Panels****07 46 Siding**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 29 00-0001			<b>T-111 Siding</b> (07 46 29)		
07 46 29 00-0002	SF		5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud ..... <i>For Pressure Treated, Add</i>	5.04 0.18	0.74
<b>07 46 33</b>			<b>Plastic Siding</b> (07 46)		
			Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 33 00-0001			<b>Vinyl Siding</b> (07 46 33)		
			Note: Includes standard manufacturer's colors.		
07 46 33 00-0002			<b>Vinyl Siding Panels</b> (07 46 33 00-0001)		
			Note: Excludes J-channels, starter strips and trim.		
07 46 33 00-0003			<b>Horizontal Vinyl Siding Panels</b> (07 46 33 00-0002)		
			Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.		
07 46 33 00-0004	SF		7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel ..... <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	4.66 -0.14 0.08 0.43 0.05	1.80
07 46 33 00-0005	SF		8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel ..... <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	4.45 -0.14 0.08 0.43 0.05	1.69
07 46 33 00-0006	SF		9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel ..... <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	4.29 -0.14 0.08 0.43 0.05	1.61
07 46 33 00-0007	SF		10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel ..... <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	4.13 -0.14 0.08 0.43 0.05	1.54
07 46 33 00-0008	SF		12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel ..... <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	3.92 -0.14 0.08 0.43 0.05	1.42
07 46 33 00-0009			<b>Vertical Vinyl Siding Panels</b> (07 46 33 00-0002)		
07 46 33 00-0010	SF		7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel ..... <i>For Manufacturer's Custom Colors, Add</i>	5.50 0.10	1.80
07 46 33 00-0011			<b>Vinyl Siding Accessories</b> (07 46 33 00-0001)		
07 46 33 00-0012	LF		3/4" Pocket, Outside Corner Post For Vinyl Siding ..... <i>For Manufacturer's Custom Colors, Add</i>	5.49 0.14	1.37
07 46 33 00-0013	LF		1-1/8" Pocket, Outside Corner Post For Vinyl Siding ..... <i>For Manufacturer's Custom Colors, Add</i>	9.66 0.35	1.37
07 46 33 00-0014	LF		3/4" Pocket, Inside Corner Post For Vinyl Siding ..... <i>For Manufacturer's Custom Colors, Add</i>	4.44 0.08	1.37
07 46 33 00-0015	LF		1-1/8" Pocket, Inside Corner Post For Vinyl Siding ..... <i>For Manufacturer's Custom Colors, Add</i>	5.32 0.13	1.37
07 46 33 00-0016	LF		3/8" Pocket, J-Channel For Vinyl Siding ..... <i>For Manufacturer's Custom Colors, Add</i>	3.37 0.04	1.37
07 46 33 00-0017	LF		1/2" Pocket, J-Channel For Vinyl Siding ..... <i>For Manufacturer's Custom Colors, Add</i>	3.16 0.03	1.37
07 46 33 00-0018	LF		5/8" Pocket, J-Channel For Vinyl Siding ..... <i>For Manufacturer's Custom Colors, Add</i>	3.12 0.03	1.37
07 46 33 00-0019	LF		3/4" Pocket, J-Channel For Vinyl Siding ..... <i>For Manufacturer's Custom Colors, Add</i>	3.26 0.04	1.37
07 46 33 00-0020	LF		1" Pocket, J-Channel For Vinyl Siding ..... <i>For Manufacturer's Custom Colors, Add</i>	3.83 0.05	1.37
07 46 33 00-0021	LF		1-1/4" Pocket, J-Channel For Vinyl Siding ..... <i>For Manufacturer's Custom Colors, Add</i>	4.13 0.07	1.37
07 46 33 00-0022	LF		2-1/2" Pocket, J-Channel For Vinyl Siding ..... <i>For Manufacturer's Custom Colors, Add</i>	4.67 0.06	1.37
07 46 33 00-0023	LF		1/2" Pocket, F-Channel For Vinyl Siding ..... <i>For Manufacturer's Custom Colors, Add</i>	3.16 0.05	1.37
07 46 33 00-0024	LF		3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding ..... <i>For Manufacturer's Custom Colors, Add</i>	7.02 0.16	1.90
07 46 33 00-0025	LF		3/4" Pocket, 5" Lineal Trim For Vinyl Siding ..... <i>For Manufacturer's Custom Colors, Add</i>	7.31 0.18	1.90
07 46 33 00-0026	LF		1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding ..... <i>For Manufacturer's Custom Colors, Add</i>	7.96 0.21	1.90
07 46 33 00-0027	LF		3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding ..... <i>For Manufacturer's Custom Colors, Add</i>	4.27 0.08	1.37
07 46 33 00-0028	LF		Vinyl Starter Strip For Vinyl Siding ..... <i>For Manufacturer's Custom Colors, Add</i>	5.19 0.12	1.37
07 46 33 00-0029	LF		Undersill Trim For Vinyl Siding ..... <i>For Manufacturer's Custom Colors, Add</i>	4.52 0.09	1.37
07 46 33 00-0030			<b>Vinyl Soffit And Fascia</b> (07 46 33 00-0001)		
			Note: Excludes J-channel.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0031	LF		6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit ..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	3.93 -0.45 -0.36 0.05	1.46
07 46 33 00-0032	LF		10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit ..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	4.73 -0.75 -0.63 0.08	1.55
07 46 33 00-0033	LF		1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit ..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	5.14 -0.89 -0.74 0.10	1.59
07 46 33 00-0034	LF		1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit ..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	6.29 -1.34 -1.12 0.15	1.67
07 46 33 00-0035	LF		2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit ..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	7.60 -1.81 -1.50 0.20	1.83
07 46 33 00-0036	LF		3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit ..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	9.94 -2.70 -2.26 0.30	2.01
07 46 33 00-0037	LF		4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit ..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	12.30 -3.62 -3.02 0.39	2.22
07 46 33 00-0038	LF		5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit ..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	14.72 -4.51 -3.78 0.49	2.44
07 46 33 00-0039	LF		4" Exposure, Vinyl Fascia ..... <i>For Manufacturer's Custom Colors, Add</i>	4.07 0.06	1.43
07 46 33 00-0040	LF		6" Exposure, Vinyl Fascia ..... <i>For Manufacturer's Custom Colors, Add</i>	4.48 0.08	1.46
07 46 33 00-0041	LF		8" Exposure, Vinyl Fascia ..... <i>For Manufacturer's Custom Colors, Add</i>	4.44 0.07	1.52
07 46 33 00-0042	LF		10" Exposure, Vinyl Fascia ..... <i>For Manufacturer's Custom Colors, Add</i>	5.02 0.10	1.55
<b>07 46 33 00-0043</b>			<b>Fiberglass Siding</b> <small>(07 46 33)</small>		
<b>07 46 33 00-0044</b>			<b>Corrugated Panels</b> <small>(07 46 33 00-0043)</small>		
07 46 33 00-0045	SF		6 Ounce Corrugated Fiberglass Panels .....	5.79	2.12
07 46 33 00-0046	SF		8 Ounce Corrugated Fiberglass Panels .....	6.11	1.90
07 46 33 00-0047	SF		12 Ounce Corrugated Fiberglass Panels .....	6.68	1.90
<b>07 46 33 00-0048</b>			<b>Flat Panels</b> <small>(07 46 33 00-0043)</small>		
07 46 33 00-0049	SF		6 Ounce Flat Fiberglass Panels .....	5.59	1.90
07 46 33 00-0050	SF		8 Ounce Flat Fiberglass Panels .....	6.11	1.90
<b>07 46 46</b>			<b>Fiber-Cement Siding</b> <small>(07 46)</small>		
Note: Smooth or patterns. Includes sealer and primer.					
<b>07 46 46 00-0001</b>			<b>5/16" Thick, Fiber Cement Lap Siding</b> <small>(07 46 46)</small>		
07 46 46 00-0002	SF		5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding .....	5.69	2.22
07 46 46 00-0003	SF		6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding .....	5.42	2.12
07 46 46 00-0004	SF		7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding .....	5.30	2.06
07 46 46 00-0005	SF		8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding .....	5.18	2.00
07 46 46 00-0006	SF		9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding .....	4.93	1.90
07 46 46 00-0007	SF		12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding .....	4.69	1.80
07 46 46 00-0008	LF		Starter Strip, Fiber Cement Lap Siding .....	1.24	0.53
<b>07 46 46 00-0009</b>			<b>Fiber Cement Shingle Siding</b> <small>(07 46 46)</small>		
07 46 46 00-0010	SF		Fiber Cement Shingle Siding .....	7.76	1.95
<b>07 46 46 00-0011</b>			<b>Fiber Cement Vertical Panel Siding</b> <small>(07 46 46)</small>		
07 46 46 00-0012	SF		Fiber Cement Vertical Panel Siding .....	4.16	1.59
<b>07 46 46 00-0013</b>			<b>Fiber Cement Trim Boards</b> <small>(07 46 46)</small>		
<b>07 46 46 00-0014</b>			<b>7/16" Thick, Fiber Cement Trim Boards</b> <small>(07 46 46 00-0013)</small>		
07 46 46 00-0015	LF		4" Wide, 7/16" Thick, Fiber Cement Trim Board .....	2.73	1.06
07 46 46 00-0016	LF		6" Wide, 7/16" Thick, Fiber Cement Trim Board .....	3.35	1.16
07 46 46 00-0017	LF		8" Wide, 7/16" Thick, Fiber Cement Trim Board .....	3.93	1.27
07 46 46 00-0018	LF		12" Wide, 7/16" Thick, Fiber Cement Trim Board .....	5.05	1.47
<b>07 46 46 00-0019</b>			<b>3/4" Thick Fiber Cement Trim Boards</b> <small>(07 46 46 00-0013)</small>		
07 46 46 00-0020	LF		4" Wide, 3/4" Thick, Fiber Cement Trim Board .....	2.83	1.06

**07 Thermal And Moisture Protection**

**07 40 Roofing and Siding Panels**

**07 46 Siding**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 46 00-0021	LF		6" Wide, 3/4" Thick, Fiber Cement Trim Board.....	3.50	1.16
07 46 46 00-0022	LF		8" Wide, 3/4" Thick, Fiber Cement Trim Board.....	4.19	1.27
07 46 46 00-0023	LF		12" Wide, 3/4" Thick, Fiber Cement Trim Board.....	4.49	1.47
<b>07 46 46 00-0024</b>			<b>1" Thick Fiber Cement Trim Boards (07 46 46 00-0013)</b>		
07 46 46 00-0025	LF		4" Wide, 1" Thick, Fiber Cement Trim Board.....	2.96	1.06
07 46 46 00-0026	LF		6" Wide, 1" Thick, Fiber Cement Trim Board.....	3.73	1.16
07 46 46 00-0027	LF		8" Wide, 1" Thick, Fiber Cement Trim Board.....	4.52	1.27
07 46 46 00-0028	LF		12" Wide, 1" Thick, Fiber Cement Trim Board.....	5.89	1.47
<b>07 46 46 00-0029</b>			<b>Fiber Cement Fascia Board (07 46 46)</b>		
07 46 46 00-0030	LF		5/4" x 3-1/2" Fiber Cement Fascia Board.....	7.32	2.09
07 46 46 00-0031	LF		5/4" x 5-1/2" Fiber Cement Fascia Board.....	9.64	2.33
07 46 46 00-0032	LF		5/4" x 7-1/4" Fiber Cement Fascia Board.....	11.21	2.33
07 46 46 00-0033	LF		5/4" x 11-1/4" Fiber Cement Fascia Board.....	15.43	2.74
<b>07 46 46 00-0034</b>			<b>Fiber Cement Soffit Boards (07 46 46)</b>		
07 46 46 00-0035	SF		1/4" Thick, Non Vented Fiber Cement Soffit.....	5.79	1.52
07 46 46 00-0036	SF		1/4" Thick, Vented Fiber Cement Soffit.....	6.15	1.52
<b>07 46 63</b>			<b>Fabricated Panel Assemblies with Siding (07 46)</b>		
<b>07 46 63 00-0001</b>			<b>Metal Liner Panels (07 46 63)</b>		
<b>07 46 63 00-0002</b>			<b>Galvanized (07 46 63 00-0001)</b>		
07 46 63 00-0003	SF		24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	9.91	2.09
07 46 63 00-0004	SF		22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	10.81	2.09
07 46 63 00-0005	SF		20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	12.40	2.09
07 46 63 00-0006	SF		18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	12.56	2.09
<b>07 50</b>			<b>Membrane Roofing (07)</b>		
See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.					
<b>07 51</b>			<b>Built-Up Bituminous Roofing (07 50)</b>		
<b>07 51 13</b>			<b>Built-Up Asphalt Roofing (07 51)</b>		
<b>07 51 13 00-0001</b>			<b>Built-Up Asphalt Roofing Components (07 51 13)</b>		
<b>07 51 13 00-0002</b>			<b>Built-Up Asphalt Membrane Roofing (07 51 13 00-0001)</b>		
Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.					
<b>07 51 13 00-0003</b>			<b>Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)</b>		
Note: Includes applying cold adhesive and embedding the membrane.					
<b>07 51 13 00-0004</b>			<b>Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0003)</b>		
07 51 13 00-0005	SQ		Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied.....	92.83	
			For Up To 10, Add	24.79	
			For >10 To 20, Add	13.95	
			For >20 To 40, Add	7.75	
			For >75 To 100, Deduct	-3.88	
			For >100 To 200, Deduct	-8.53	
			For >200, Deduct	-12.41	
07 51 13 00-0006	SQ		Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied .....	253.68	
			For Up To 10, Add	56.96	
			For >10 To 20, Add	30.03	
			For >20 To 40, Add	15.80	
			For >75 To 100, Deduct	-7.90	
			For >100 To 200, Deduct	-16.57	
			For >200, Deduct	-24.47	
<b>07 51 13 00-0007</b>			<b>Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing (07 51 13 00-0003)</b>		
07 51 13 00-0008	SF		Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied .....	6.13	
<b>07 51 13 00-0009</b>			<b>Hot-Mopped, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)</b>		
Note: Includes mopping hot asphalt and embedding the membrane.					
<b>07 51 13 00-0010</b>			<b>Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0009)</b>		
07 51 13 00-0011	SQ		Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	68.94	
			For Up To 10, Add	20.13	
			For >10 To 20, Add	11.65	
			For >20 To 40, Add	6.62	
			For >75 To 100, Deduct	-3.31	
			For >100 To 200, Deduct	-7.41	
			For >200, Deduct	-10.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0012	SQ		Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	73.53	
			For Up To 10, Add	21.05	
			For >10 To 20, Add	12.11	
			For >20 To 40, Add	6.85	
			For >75 To 100, Deduct	-3.42	
			For >100 To 200, Deduct	-7.64	
			For >200, Deduct	-11.07	
07 51 13 00-0013	SQ		Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped.....	78.74	
			For Up To 10, Add	22.09	
			For >10 To 20, Add	12.63	
			For >20 To 40, Add	7.11	
			For >75 To 100, Deduct	-3.55	
			For >100 To 200, Deduct	-7.90	
			For >200, Deduct	-11.46	
07 51 13 00-0014	SQ		Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped.....	136.54	
			For Up To 10, Add	33.65	
			For >10 To 20, Add	18.41	
			For >20 To 40, Add	10.00	
			For >75 To 100, Deduct	-5.00	
			For >100 To 200, Deduct	-10.79	
			For >200, Deduct	-15.79	
07 51 13 00-0015	SQ		Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped.....	229.80	
			For Up To 10, Add	52.30	
			For >10 To 20, Add	27.74	
			For >20 To 40, Add	14.66	
			For >75 To 100, Deduct	-7.33	
			For >100 To 200, Deduct	-15.46	
			For >200, Deduct	-22.79	
07 51 13 00-0016	SQ		Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped.....	174.83	
			For Up To 10, Add	41.91	
			For >10 To 20, Add	22.69	
			For >20 To 40, Add	12.22	
			For >75 To 100, Deduct	-6.11	
			For >100 To 200, Deduct	-13.08	
			For >200, Deduct	-19.19	
07 51 13 00-0017			<b>Hot-Mopped, Built-Up Asphalt Roofing Flashing</b> (07 51 13 00-0009)		
07 51 13 00-0018	SF		Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped.....	3.95	
07 51 13 00-0019			<b>Mechanically Fastened, Built-Up Asphalt Membrane Roofing</b> (07 51 13 00-0002)		
			Note: Includes fasteners.		
07 51 13 00-0020			<b>Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets</b> (07 51 13 00-0019)		
07 51 13 00-0021	SQ		Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened.....	71.43	
			For Up To 10, Add	17.39	
			For >10 To 20, Add	9.47	
			For >20 To 40, Add	5.13	
			For >75 To 100, Deduct	-2.56	
			For >100 To 200, Deduct	-5.51	
			For >200, Deduct	-8.08	
07 51 13 00-0022	SQ		Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened.....	134.44	
			For Up To 10, Add	30.00	
			For >10 To 20, Add	15.78	
			For >20 To 40, Add	8.28	
			For >75 To 100, Deduct	-4.14	
			For >100 To 200, Deduct	-8.66	
			For >200, Deduct	-12.80	
07 51 13 00-0023	SQ		Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened.....	227.70	
			For Up To 10, Add	48.65	
			For >10 To 20, Add	25.10	
			For >20 To 40, Add	12.94	
			For >75 To 100, Deduct	-6.47	
			For >100 To 200, Deduct	-13.33	
			For >200, Deduct	-19.80	
07 51 13 00-0024			<b>Mechanically Fastened, Built-Up Asphalt Roofing Flashing</b> (07 51 13 00-0019)		
07 51 13 00-0025	SF		Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened.....	4.75	
07 51 13 00-0026			<b>Asphalt Saturated Organic Felt</b> (07 51 13 00-0001)		
07 51 13 00-0027			<b>Cold Adhesive Applied, Asphalt Saturated Organic Felt</b> (07 51 13 00-0026)		
			Note: Includes applying cold adhesive and embedding the felt.		
07 51 13 00-0028	SQ		15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied.....	89.96	
			For Up To 10, Add	24.21	
			For >10 To 20, Add	13.66	
			For >20 To 40, Add	7.61	
			For >75 To 100, Deduct	-3.80	
			For >100 To 200, Deduct	-8.39	
			For >200, Deduct	-12.19	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0029	SQ		30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied .....	101.79	
			<i>For Up To 10, Add</i>	26.58	
			<i>For &gt;10 To 20, Add</i>	14.85	
			<i>For &gt;20 To 40, Add</i>	8.20	
			<i>For &gt;75 To 100, Deduct</i>	-4.10	
			<i>For &gt;100 To 200, Deduct</i>	-8.98	
			<i>For &gt;200, Deduct</i>	-13.08	
07 51 13 00-0030			<b>Hot-Mopped, Asphalt Saturated Organic Felt</b> <small>(07 51 13 00-0026)</small>		
			Note: Includes mopping hot asphalt and embedding the felt.		
07 51 13 00-0031	SQ		15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped .....	66.07	
			<i>For Up To 10, Add</i>	19.56	
			<i>For &gt;10 To 20, Add</i>	11.37	
			<i>For &gt;20 To 40, Add</i>	6.48	
			<i>For &gt;75 To 100, Deduct</i>	-3.24	
			<i>For &gt;100 To 200, Deduct</i>	-7.27	
			<i>For &gt;200, Deduct</i>	-10.51	
07 51 13 00-0032	SQ		30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped .....	77.90	
			<i>For Up To 10, Add</i>	21.92	
			<i>For &gt;10 To 20, Add</i>	12.55	
			<i>For &gt;20 To 40, Add</i>	7.07	
			<i>For &gt;75 To 100, Deduct</i>	-3.53	
			<i>For &gt;100 To 200, Deduct</i>	-7.86	
			<i>For &gt;200, Deduct</i>	-11.39	
07 51 13 00-0033			<b>Mechanically Fastened, Asphalt Saturated Organic Felt</b> <small>(07 51 13 00-0026)</small>		
			Note: Includes fasteners.		
07 51 13 00-0034	SQ		15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened .....	33.15	
			<i>For Up To 10, Add</i>	9.74	
			<i>For &gt;10 To 20, Add</i>	5.65	
			<i>For &gt;20 To 40, Add</i>	3.21	
			<i>For &gt;75 To 100, Deduct</i>	-1.61	
			<i>For &gt;100 To 200, Deduct</i>	-3.60	
			<i>For &gt;200, Deduct</i>	-5.21	
07 51 13 00-0035	SQ		30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened .....	44.97	
			<i>For Up To 10, Add</i>	12.10	
			<i>For &gt;10 To 20, Add</i>	6.83	
			<i>For &gt;20 To 40, Add</i>	3.80	
			<i>For &gt;75 To 100, Deduct</i>	-1.90	
			<i>For &gt;100 To 200, Deduct</i>	-4.19	
			<i>For &gt;200, Deduct</i>	-6.09	
07 51 13 00-0036			<b>Surfacing</b> <small>(07 51 13 00-0001)</small>		
07 51 13 00-0037	SQ		400 LB/SQ Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat .....	145.46	
			<i>For Up To 10, Add</i>	44.65	
			<i>For &gt;10 To 20, Add</i>	26.21	
			<i>For &gt;20 To 40, Add</i>	15.05	
			<i>For &gt;75 To 100, Deduct</i>	-7.53	
			<i>For &gt;100 To 200, Deduct</i>	-17.00	
			<i>For &gt;200, Deduct</i>	-24.52	
07 51 13 00-0038	SQ		400 LB/SQ Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat .....	215.06	
			<i>For Up To 10, Add</i>	58.57	
			<i>For &gt;10 To 20, Add</i>	33.17	
			<i>For &gt;20 To 40, Add</i>	18.53	
			<i>For &gt;75 To 100, Deduct</i>	-9.27	
			<i>For &gt;100 To 200, Deduct</i>	-20.48	
			<i>For &gt;200, Deduct</i>	-29.74	
07 51 13 00-0039	CY		Gravel Roofing Ballast, Spread To Desired Thickness .....	145.65	
			Note: Excludes hot asphalt or cold adhesive.		
07 51 13 00-0040	SQ		Protective Polypropylene Fabric Mat, Loose Laid .....	38.23	
			Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.		
			<i>For Up To 10, Add</i>	9.70	
			<i>For &gt;10 To 20, Add</i>	5.36	
			<i>For &gt;20 To 40, Add</i>	2.94	
			<i>For &gt;75 To 100, Deduct</i>	-1.47	
			<i>For &gt;100 To 200, Deduct</i>	-3.20	
			<i>For &gt;200, Deduct</i>	-4.66	
07 51 13 00-0041	SQ		Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat .....	104.25	
			Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.		
			<i>For Up To 10, Add</i>	24.58	
			<i>For &gt;10 To 20, Add</i>	13.23	
			<i>For &gt;20 To 40, Add</i>	7.08	
			<i>For &gt;75 To 100, Deduct</i>	-3.54	
			<i>For &gt;100 To 200, Deduct</i>	-7.55	
			<i>For &gt;200, Deduct</i>	-11.09	
07 51 13 00-0042	SQ		Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat .....	92.74	
			Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.		
			<i>For Up To 10, Add</i>	22.28	
			<i>For &gt;10 To 20, Add</i>	12.07	
			<i>For &gt;20 To 40, Add</i>	6.50	
			<i>For &gt;75 To 100, Deduct</i>	-3.25	
			<i>For &gt;100 To 200, Deduct</i>	-6.97	
			<i>For &gt;200, Deduct</i>	-10.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0043	SQ		Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat ..... Note: Reflective coating for use over smooth-surfaced built-up roofs.	124.15	
			<i>For Up To 10, Add</i>	28.56	
			<i>For &gt;10 To 20, Add</i>	15.22	
			<i>For &gt;20 To 40, Add</i>	8.07	
			<i>For &gt;75 To 100, Deduct</i>	-4.04	
			<i>For &gt;100 To 200, Deduct</i>	-8.54	
			<i>For &gt;200, Deduct</i>	-12.58	
07 51 13 00-0044	SQ		100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat ..... Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	125.18	
			<i>For Up To 10, Add</i>	28.77	
			<i>For &gt;10 To 20, Add</i>	15.32	
			<i>For &gt;20 To 40, Add</i>	8.13	
			<i>For &gt;75 To 100, Deduct</i>	-4.06	
			<i>For &gt;100 To 200, Deduct</i>	-8.59	
			<i>For &gt;200, Deduct</i>	-12.66	
			<i>For Installation Over Granule Surfaced Asphalt Roof Systems, Add</i>	37.02	
07 51 13 00-0045	SQ		100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat ..... Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	129.41	
			<i>For Up To 10, Add</i>	29.62	
			<i>For &gt;10 To 20, Add</i>	15.74	
			<i>For &gt;20 To 40, Add</i>	8.34	
			<i>For &gt;75 To 100, Deduct</i>	-4.17	
			<i>For &gt;100 To 200, Deduct</i>	-8.80	
			<i>For &gt;200, Deduct</i>	-12.97	
			<i>For Installation Over Granule Surfaced Asphalt Roof Systems, Add</i>	38.41	
07 51 13 00-0046	SF		Ceramic Coated Roofing Granules, Hand Broadcast ..... Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	2.08	
07 51 13 00-0047	SF		Energy Star, Ceramic Coated Roofing Granules, Hand Broadcast ..... Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	4.77	
07 51 13 00-0048	SQ		Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™).....	31.41	
<b>07 51 13 00-0049</b>			<b>Walkway Pads</b> (07 51 13 00-0001) Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0050	LF		5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad .....	26.04	
07 51 13 00-0051	LF		1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad .....	30.99	
<b>07 51 13 00-0052</b>			<b>Cant And Tapered Edge Strips</b> (07 51 13 00-0001)		
07 51 13 00-0053	LF		2" x 2" Perlite Cant Strip.....	3.67	
07 51 13 00-0054	LF		3" x 3" Perlite Cant Strip.....	3.79	
07 51 13 00-0055	LF		4" x 4" Perlite Cant Strip.....	4.33	
07 51 13 00-0056	LF		3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally.....	4.40	
07 51 13 00-0057	LF		4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally.....	4.68	
07 51 13 00-0058	LF		1/2" x 6" Perlite Tapered Edge Strip.....	4.12	
07 51 13 00-0059	LF		1/2" x 12" Perlite Tapered Edge Strip.....	4.74	
07 51 13 00-0060	LF		1" x 12" Perlite Tapered Edge Strip.....	4.91	
07 51 13 00-0061	LF		1" x 24" Perlite Tapered Edge Strip.....	5.55	
07 51 13 00-0062	LF		1-1/2" x 12" Perlite Tapered Edge Strip .....	5.49	
07 51 13 00-0063	LF		1-1/2" x 18" Perlite Tapered Edge Strip .....	6.66	
07 51 13 00-0064	LF		1-1/2" x 24" Perlite Tapered Edge Strip .....	7.51	
<b>07 51 13 00-0065</b>			<b>Asphalt Primer</b> (07 51 13 00-0001)		
07 51 13 00-0066	SQ		Asphalt Primer For Roofing Systems ..... Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.	29.37	
<b>07 51 13 00-0067</b>			<b>Demolish Built-Up Roofing</b> (07 51 13 00-0001) Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).		
07 51 13 00-0068	SQ		Demolish Gravel/Slag Surfaced, Built Up Roofing System .....	326.74	
			<i>For Up To 10, Add</i>	80.94	
			<i>For &gt;10 To 25, Add</i>	48.56	
07 51 13 00-0069	SQ		Demolish Cap Sheet Surfaced, Built Up Roofing System ..... Note: Includes protective surfacing.	252.06	
			<i>For Up To 10, Add</i>	62.44	
			<i>For &gt;10 To 25, Add</i>	37.46	
<b>07 51 13 00-0070</b>			<b>Roofing System Warranty</b> (07 51 13 00-0001) Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.		
07 51 13 00-0071	EA		Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....	437.92	
07 51 13 00-0072	SQ		>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....	6.26	
07 51 13 00-0073	EA		Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....	500.48	
07 51 13 00-0074	SQ		>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....	10.01	
07 51 13 00-0075	EA		Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....	688.16	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0076	SQ		>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....	13.76	
07 51 13 00-0077			<b>Built-Up Roofing Components (Garland)</b> (07 51 13) Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0078			<b>Modified Cap Membranes</b> (07 51 13 00-0077)		
07 51 13 00-0079			<b>Modified Cap Membranes, Hot/Cold Applied</b> (07 51 13 00-0078) Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0080	SQ		Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil .....	502.81	
07 51 13 00-0081	SQ		Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil .....	360.29	
07 51 13 00-0082	SQ		Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil .....	445.60	
07 51 13 00-0083	SQ		Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials .....	462.96	
07 51 13 00-0084	SQ		Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil .....	643.80	
07 51 13 00-0085	SQ		Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil .....	723.48	
07 51 13 00-0086	SQ		Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil .....	303.98	
07 51 13 00-0087	SQ		Note: Low strength cap sheet for hot or cold modified systems used with gravel. Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil .....	384.30	
07 51 13 00-0088	SQ		BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil .....	235.80	
07 51 13 00-0089			<b>Modified Cap Membranes, Self-Adhering</b> (07 51 13 00-0078) Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
07 51 13 00-0090	SQ		Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil .....	455.30	
07 51 13 00-0091			Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.		
07 51 13 00-0091			<b>Modified Cap Membranes, Torch-Applied</b> (07 51 13 00-0078) Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0092	SQ		Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil .....	560.03	
07 51 13 00-0093	SQ		Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel. Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil .....	609.07	
07 51 13 00-0094	SQ		Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil .....	641.76	
07 51 13 00-0095			<b>Modified Cap Membranes, Coal Tar Pitch Systems</b> (07 51 13 00-0078) Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0096	SQ		Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil .....	514.71	
07 51 13 00-0097	SQ		Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil .....	815.43	
07 51 13 00-0098	SQ		Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil .....	664.24	
07 51 13 00-0099			<b>Base Ply</b> (07 51 13 00-0077) Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems.		
07 51 13 00-0100	SQ		Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil .....	459.90	
07 51 13 00-0101	SQ		Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil .....	289.80	
07 51 13 00-0102	SQ		HPR® Glasbase Heavy Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil .....	66.97	
07 51 13 00-0103	SQ		Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap. HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil .....	44.69	
07 51 13 00-0104	SQ		Note: Inner ply felts for hot applied built up and modified BUR systems. HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil .....	54.19	
07 51 13 00-0105	SQ		HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil .....	58.78	
07 51 13 00-0106	SQ		HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil .....	90.22	
07 51 13 00-0107	SQ		Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet. Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil .....	292.00	
07 51 13 00-0108	SQ		HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil .....	253.54	
07 51 13 00-0109	SQ		Note: Self adhering base ply for self adhering 2 ply system. StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil .....	256.47	
07 51 13 00-0110	SQ		StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil .....	213.06	
07 51 13 00-0111	LF		Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric .....	4.42	
07 51 13 00-0112	LF		Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems .....	11.60	
07 51 13 00-0113	SQ		Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems .....	51.89	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 51 13 00-0114	LF		Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems .....	5.73	
07 51 13 00-0115	LF		Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems .....	4.21	
07 51 13 00-0116	LF		Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems .....	4.81	
07 51 13 00-0117	SQ		HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications .....	112.12	

**07 51 13 00-0118 Coatings And Mastics For Roof Installation, Restoration And Repairs (07 51 13 00-0077)**

07 51 13 00-0119	SQ		Water Based Roof Primer, GarlaPrime VOC Primer .....	34.16	
07 51 13 00-0120	SQ		Black-Knight® Primer .....	31.76	
07 51 13 00-0121	SQ		Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply .....	124.32	
07 51 13 00-0122	SQ		Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ) .....	132.91	
07 51 13 00-0123	SQ		Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ) .....	211.50	
07 51 13 00-0124	SQ		Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply .....	335.30	
07 51 13 00-0125	SQ		Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat .....	346.76	
07 51 13 00-0126	SQ		Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ) .....	163.00	
07 51 13 00-0127	SQ		Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration .....	269.13	
07 51 13 00-0128	SQ		Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ) .....	410.57	
07 51 13 00-0129	SQ		Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration .....	681.87	
07 51 13 00-0130	SQ		Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Interply .....	286.72	
07 51 13 00-0131	SQ		Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Flood Coat .....	298.18	
07 51 13 00-0132	SQ		Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only .....	624.89	
07 51 13 00-0133	SQ		Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only .....	272.44	
07 51 13 00-0134	SQ		HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply .....	134.88	
07 51 13 00-0135	SQ		HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat .....	146.34	
07 51 13 00-0136	SQ		Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel .....	127.81	
07 51 13 00-0137	SQ		Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers .....	119.69	
07 51 13 00-0138	SQ		Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products .....	16.48	
Note: Adheres all insulation layers for cold systems.					
07 51 13 00-0139	SQ		Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required .....	140.78	
07 51 13 00-0140	SQ		Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System .....	136.54	
07 51 13 00-0141	LF		Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh .....	18.68	
07 51 13 00-0142	SQ		Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat .....	181.67	
07 51 13 00-0143	SQ		Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric .....	1,060.56	
07 51 13 00-0144	SQ		Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ) .....	234.33	
07 51 13 00-0145	SQ		Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel .....	284.79	
07 51 13 00-0146	SQ		Weatherking® Cold Applied Rubber Modified Asphalt Interply Adhesive For Slopes Up To 3:12, Interply .....	107.44	
07 51 13 00-0147	SQ		Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System .....	374.89	
07 51 13 00-0148	SQ		Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply .....	106.66	
Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.					

**07 52 Modified Bituminous Membrane Roofing (07 50)**

**07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing (07 52)**

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

**07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)**

**07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing (07 52 13 11)**

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

**07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 11-0001)**

07 52 13 11-0003	SQ		80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied .....	169.93	
			For Up To 10, Add .....	40.21	
			For >10 To 20, Add .....	21.66	
			For >20 To 40, Add .....	11.61	
			For >75 To 100, Deduct .....	-5.80	
			For >100 To 200, Deduct .....	-12.39	
			For >200, Deduct .....	-18.19	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 52 13 11-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied .....	206.66
		<i>For Up To 10, Add</i>	47.55
		<i>For &gt;10 To 20, Add</i>	25.33
		<i>For &gt;20 To 40, Add</i>	13.44
		<i>For &gt;75 To 100, Deduct</i>	-6.72
		<i>For &gt;100 To 200, Deduct</i>	-14.22
		<i>For &gt;200, Deduct</i>	-20.94
07 52 13 11-0005	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied.....	323.93
		<i>For Up To 10, Add</i>	71.01
		<i>For &gt;10 To 20, Add</i>	37.06
		<i>For &gt;20 To 40, Add</i>	19.31
		<i>For &gt;75 To 100, Deduct</i>	-9.65
		<i>For &gt;100 To 200, Deduct</i>	-20.09
		<i>For &gt;200, Deduct</i>	-29.74
07 52 13 11-0006	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	326.89
		<i>For Up To 10, Add</i>	72.19
		<i>For &gt;10 To 20, Add</i>	37.80
		<i>For &gt;20 To 40, Add</i>	19.75
		<i>For &gt;75 To 100, Deduct</i>	-9.88
		<i>For &gt;100 To 200, Deduct</i>	-20.60
		<i>For &gt;200, Deduct</i>	-30.48
07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	234.27
		<i>For Up To 10, Add</i>	53.67
		<i>For &gt;10 To 20, Add</i>	28.54
		<i>For &gt;20 To 40, Add</i>	15.12
		<i>For &gt;75 To 100, Deduct</i>	-7.56
		<i>For &gt;100 To 200, Deduct</i>	-15.97
		<i>For &gt;200, Deduct</i>	-23.53
		<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	271.42
		<i>For Up To 10, Add</i>	61.10
		<i>For &gt;10 To 20, Add</i>	32.25
		<i>For &gt;20 To 40, Add</i>	16.98
		<i>For &gt;75 To 100, Deduct</i>	-8.49
		<i>For &gt;100 To 200, Deduct</i>	-17.83
		<i>For &gt;200, Deduct</i>	-26.32
		<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47
07 52 13 11-0009	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	372.63
		<i>For Up To 10, Add</i>	81.34
		<i>For &gt;10 To 20, Add</i>	42.37
		<i>For &gt;20 To 40, Add</i>	22.04
		<i>For &gt;75 To 100, Deduct</i>	-11.02
		<i>For &gt;100 To 200, Deduct</i>	-22.89
		<i>For &gt;200, Deduct</i>	-33.91
		<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47

**07 52 13 11-0010 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing (07 52 13 11-0001)**

07 52 13 11-0011	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.83
07 52 13 11-0012	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied.....	7.29
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72

**07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)****07 52 13 13-0001 Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing (07 52 13 13)**

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

**07 52 13 13-0002 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 13-0001)**

07 52 13 13-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied .....	122.88
		<i>For Up To 10, Add</i>	30.79
		<i>For &gt;10 To 20, Add</i>	16.95
		<i>For &gt;20 To 40, Add</i>	9.25
		<i>For &gt;75 To 100, Deduct</i>	-4.63
		<i>For &gt;100 To 200, Deduct</i>	-10.03
		<i>For &gt;200, Deduct</i>	-14.66
07 52 13 13-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied .....	159.61
		<i>For Up To 10, Add</i>	38.14
		<i>For &gt;10 To 20, Add</i>	20.62
		<i>For &gt;20 To 40, Add</i>	11.09
		<i>For &gt;75 To 100, Deduct</i>	-5.54
		<i>For &gt;100 To 200, Deduct</i>	-11.87
		<i>For &gt;200, Deduct</i>	-17.41
07 52 13 13-0005	SQ	150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied .....	192.45
		<i>For Up To 10, Add</i>	47.83
		<i>For &gt;10 To 20, Add</i>	26.25
		<i>For &gt;20 To 40, Add</i>	14.29
		<i>For &gt;75 To 100, Deduct</i>	-7.15
		<i>For &gt;100 To 200, Deduct</i>	-15.46
		<i>For &gt;200, Deduct</i>	-22.60

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0006	SQ		160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied .....	201.86	
			<i>For Up To 10, Add</i>	49.71	
			<i>For &gt;10 To 20, Add</i>	27.19	
			<i>For &gt;20 To 40, Add</i>	14.76	
			<i>For &gt;75 To 100, Deduct</i>	-7.38	
			<i>For &gt;100 To 200, Deduct</i>	-15.93	
			<i>For &gt;200, Deduct</i>	-23.31	
07 52 13 13-0007	SQ		180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied .....	278.15	
			<i>For Up To 10, Add</i>	64.97	
			<i>For &gt;10 To 20, Add</i>	34.82	
			<i>For &gt;20 To 40, Add</i>	18.58	
			<i>For &gt;75 To 100, Deduct</i>	-9.29	
			<i>For &gt;100 To 200, Deduct</i>	-19.74	
			<i>For &gt;200, Deduct</i>	-29.03	
07 52 13 13-0008	SQ		150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied .....	192.45	
			<i>For Up To 10, Add</i>	47.83	
			<i>For &gt;10 To 20, Add</i>	26.25	
			<i>For &gt;20 To 40, Add</i>	14.29	
			<i>For &gt;75 To 100, Deduct</i>	-7.15	
			<i>For &gt;100 To 200, Deduct</i>	-15.46	
			<i>For &gt;200, Deduct</i>	-22.60	
07 52 13 13-0009	SQ		160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied .....	204.21	
			<i>For Up To 10, Add</i>	50.18	
			<i>For &gt;10 To 20, Add</i>	27.42	
			<i>For &gt;20 To 40, Add</i>	14.88	
			<i>For &gt;75 To 100, Deduct</i>	-7.44	
			<i>For &gt;100 To 200, Deduct</i>	-16.05	
			<i>For &gt;200, Deduct</i>	-23.48	
07 52 13 13-0010	SQ		180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied .....	278.15	
			<i>For Up To 10, Add</i>	64.97	
			<i>For &gt;10 To 20, Add</i>	34.82	
			<i>For &gt;20 To 40, Add</i>	18.58	
			<i>For &gt;75 To 100, Deduct</i>	-9.29	
			<i>For &gt;100 To 200, Deduct</i>	-19.74	
			<i>For &gt;200, Deduct</i>	-29.03	
07 52 13 13-0011	SQ		160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied .....	199.86	
			<i>For Up To 10, Add</i>	49.31	
			<i>For &gt;10 To 20, Add</i>	26.99	
			<i>For &gt;20 To 40, Add</i>	14.66	
			<i>For &gt;75 To 100, Deduct</i>	-7.33	
			<i>For &gt;100 To 200, Deduct</i>	-15.83	
			<i>For &gt;200, Deduct</i>	-23.16	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 13 13-0012	SQ		170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied .....	211.26	
			<i>For Up To 10, Add</i>	51.59	
			<i>For &gt;10 To 20, Add</i>	28.13	
			<i>For &gt;20 To 40, Add</i>	15.23	
			<i>For &gt;75 To 100, Deduct</i>	-7.62	
			<i>For &gt;100 To 200, Deduct</i>	-16.40	
			<i>For &gt;200, Deduct</i>	-24.01	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 13 13-0013	SQ		160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied .....	239.24	
			<i>For Up To 10, Add</i>	57.18	
			<i>For &gt;10 To 20, Add</i>	30.93	
			<i>For &gt;20 To 40, Add</i>	16.63	
			<i>For &gt;75 To 100, Deduct</i>	-8.32	
			<i>For &gt;100 To 200, Deduct</i>	-17.80	
			<i>For &gt;200, Deduct</i>	-26.11	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 13 13-0014	SQ		170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied .....	242.65	
			<i>For Up To 10, Add</i>	57.87	
			<i>For &gt;10 To 20, Add</i>	31.27	
			<i>For &gt;20 To 40, Add</i>	16.80	
			<i>For &gt;75 To 100, Deduct</i>	-8.40	
			<i>For &gt;100 To 200, Deduct</i>	-17.97	
			<i>For &gt;200, Deduct</i>	-26.37	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 13 13-0015	SQ		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied .....	338.22	
			<i>For Up To 10, Add</i>	76.98	
			<i>For &gt;10 To 20, Add</i>	40.82	
			<i>For &gt;20 To 40, Add</i>	21.58	
			<i>For &gt;75 To 100, Deduct</i>	-10.79	
			<i>For &gt;100 To 200, Deduct</i>	-22.75	
			<i>For &gt;200, Deduct</i>	-33.54	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 13 13-0016			<b>Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing</b>		
			<b>Flashing</b> <small>(07 52 13 13-0001)</small>		
07 52 13 13-0017	SF		150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	2.86	
07 52 13 13-0018	SF		160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	2.98	
07 52 13 13-0019	SF		180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	3.71	
07 52 13 13-0020	SF		170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	3.05	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 13 13-0021	SF		170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	3.36	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 13 13-0022	SF		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	4.32	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing** (07 52 13)

07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing (07 52 13 14)

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 13 14-0002 Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets (07 52 13 14-0001)

07 52 13 14-0003	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....	180.68
		For Up To 10, Add	39.24
		For >10 To 20, Add	20.40
		For >20 To 40, Add	10.59
		For >75 To 100, Deduct	-5.29
		For >100 To 200, Deduct	-10.98
		For >200, Deduct	-16.27

**07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing** (07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

**07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing** (07 52 16)

07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 16 11-0002 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 11-0001)

07 52 16 11-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	133.97
		For Up To 10, Add	33.02
		For >10 To 20, Add	18.06
		For >20 To 40, Add	9.81
		For >75 To 100, Deduct	-4.90
		For >100 To 200, Deduct	-10.59
		For >200, Deduct	-15.49
07 52 16 11-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	174.75
		For Up To 10, Add	41.17
		For >10 To 20, Add	22.14
		For >20 To 40, Add	11.85
		For >75 To 100, Deduct	-5.92
		For >100 To 200, Deduct	-12.63
		For >200, Deduct	-18.55
07 52 16 11-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	180.02
		For Up To 10, Add	42.23
		For >10 To 20, Add	22.67
		For >20 To 40, Add	12.11
		For >75 To 100, Deduct	-6.06
		For >100 To 200, Deduct	-12.89
		For >200, Deduct	-18.95
07 52 16 11-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied.....	245.06
		For Up To 10, Add	55.23
		For >10 To 20, Add	29.17
		For >20 To 40, Add	15.36
		For >75 To 100, Deduct	-7.68
		For >100 To 200, Deduct	-16.14
		For >200, Deduct	-23.82
07 52 16 11-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied.....	310.90
		For Up To 10, Add	68.40
		For >10 To 20, Add	35.76
		For >20 To 40, Add	18.66
		For >75 To 100, Deduct	-9.33
		For >100 To 200, Deduct	-19.43
		For >200, Deduct	-28.76
07 52 16 11-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	259.29
		For Up To 10, Add	58.67
		For >10 To 20, Add	31.04
		For >20 To 40, Add	16.37
		For >75 To 100, Deduct	-8.19
		For >100 To 200, Deduct	-17.22
		For >200, Deduct	-25.41
07 52 16 11-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	266.36
		For Up To 10, Add	60.09
		For >10 To 20, Add	31.75
		For >20 To 40, Add	16.73
		For >75 To 100, Deduct	-8.36
		For >100 To 200, Deduct	-17.58
		For >200, Deduct	-25.94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0010	SQ		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	233.21	
			For Up To 10, Add	53.46	
			For >10 To 20, Add	28.43	
			For >20 To 40, Add	15.07	
			For >75 To 100, Deduct	-7.53	
			For >100 To 200, Deduct	-15.92	
			For >200, Deduct	-23.45	
			For Factory Applied White Reflective Surfacing, Add	72.47	
07 52 16 11-0011	SQ		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	236.27	
			For Up To 10, Add	54.07	
			For >10 To 20, Add	28.74	
			For >20 To 40, Add	15.22	
			For >75 To 100, Deduct	-7.61	
			For >100 To 200, Deduct	-16.07	
			For >200, Deduct	-23.68	
			For Factory Applied White Reflective Surfacing, Add	72.47	
07 52 16 11-0012	SQ		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	264.48	
			For Up To 10, Add	59.71	
			For >10 To 20, Add	31.56	
			For >20 To 40, Add	16.63	
			For >75 To 100, Deduct	-8.32	
			For >100 To 200, Deduct	-17.48	
			For >200, Deduct	-25.80	
			For Factory Applied White Reflective Surfacing, Add	72.47	
07 52 16 11-0013	SQ		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	269.18	
			For Up To 10, Add	60.65	
			For >10 To 20, Add	32.03	
			For >20 To 40, Add	16.87	
			For >75 To 100, Deduct	-8.43	
			For >100 To 200, Deduct	-17.72	
			For >200, Deduct	-26.15	
			For Factory Applied White Reflective Surfacing, Add	72.47	
07 52 16 11-0014	SQ		170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	310.33	
			For Up To 10, Add	68.88	
			For >10 To 20, Add	36.14	
			For >20 To 40, Add	18.92	
			For >75 To 100, Deduct	-9.46	
			For >100 To 200, Deduct	-19.78	
			For >200, Deduct	-29.24	
			For Factory Applied White Reflective Surfacing, Add	72.47	
07 52 16 11-0015	SQ		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	385.28	
			For Up To 10, Add	83.87	
			For >10 To 20, Add	43.64	
			For >20 To 40, Add	22.67	
			For >75 To 100, Deduct	-11.34	
			For >100 To 200, Deduct	-23.52	
			For >200, Deduct	-34.86	
			For Factory Applied White Reflective Surfacing, Add	72.47	
07 52 16 11-0016	SQ		125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	238.31	
			For Up To 10, Add	54.48	
			For >10 To 20, Add	28.94	
			For >20 To 40, Add	15.32	
			For >75 To 100, Deduct	-7.66	
			For >100 To 200, Deduct	-16.17	
			For >200, Deduct	-23.84	
			For Factory Applied White Reflective Surfacing, Add	72.47	
07 52 16 11-0017	SQ		140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	245.67	
			For Up To 10, Add	55.95	
			For >10 To 20, Add	29.68	
			For >20 To 40, Add	15.69	
			For >75 To 100, Deduct	-7.85	
			For >100 To 200, Deduct	-16.54	
			For >200, Deduct	-24.39	
			For Factory Applied White Reflective Surfacing, Add	72.47	
07 52 16 11-0018	SQ		150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	285.64	
			For Up To 10, Add	63.94	
			For >10 To 20, Add	33.67	
			For >20 To 40, Add	17.69	
			For >75 To 100, Deduct	-8.84	
			For >100 To 200, Deduct	-18.54	
			For >200, Deduct	-27.39	
			For Factory Applied White Reflective Surfacing, Add	72.47	
07 52 16 11-0019	SQ		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	286.58	
			For Up To 10, Add	64.13	
			For >10 To 20, Add	33.77	
			For >20 To 40, Add	17.74	
			For >75 To 100, Deduct	-8.87	
			For >100 To 200, Deduct	-18.59	
			For >200, Deduct	-27.46	
			For Factory Applied White Reflective Surfacing, Add	72.47	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 52 16 11-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	304.45
		<i>For Up To 10, Add</i> .....	67.70
		<i>For &gt;10 To 20, Add</i> .....	35.56
		<i>For &gt;20 To 40, Add</i> .....	18.63
		<i>For &gt;75 To 100, Deduct</i> .....	-9.31
		<i>For &gt;100 To 200, Deduct</i> .....	-19.48
		<i>For &gt;200, Deduct</i> .....	-28.80
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	72.47
<b>07 52 16 11-0021</b>		<b>Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing</b> <small>(07 52 16 11-0001)</small>	
07 52 16 11-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied .....	6.23
07 52 16 11-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied .....	5.90
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.72
07 52 16 11-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied .....	5.93
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.72
07 52 16 11-0025	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied .....	6.26
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.72
07 52 16 11-0026	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied .....	6.67
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.72
07 52 16 11-0027	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied .....	7.42
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.72
07 52 16 11-0028	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied .....	5.95
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.72
07 52 16 11-0029	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied .....	6.02
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.72
07 52 16 11-0030	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied .....	6.43
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.72
07 52 16 11-0031	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied .....	6.61
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.72
07 52 16 11-0032	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied .....	8.07
07 52 16 11-0033	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied .....	13.36
<b>07 52 16 12</b>		<b>Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing</b> <small>(07 52 16)</small>	
<b>07 52 16 12-0001</b>		<b>Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing</b> <small>(07 52 16 12)</small>	
		Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.	
<b>07 52 16 12-0002</b>		<b>Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets</b> <small>(07 52 16 12-0001)</small>	
07 52 16 12-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped .....	110.09
		<i>For Up To 10, Add</i> .....	28.36
		<i>For &gt;10 To 20, Add</i> .....	15.77
		<i>For &gt;20 To 40, Add</i> .....	8.68
		<i>For &gt;75 To 100, Deduct</i> .....	-4.34
		<i>For &gt;100 To 200, Deduct</i> .....	-9.47
		<i>For &gt;200, Deduct</i> .....	-13.81
07 52 16 12-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped .....	150.87
		<i>For Up To 10, Add</i> .....	36.52
		<i>For &gt;10 To 20, Add</i> .....	19.85
		<i>For &gt;20 To 40, Add</i> .....	10.72
		<i>For &gt;75 To 100, Deduct</i> .....	-5.36
		<i>For &gt;100 To 200, Deduct</i> .....	-11.51
		<i>For &gt;200, Deduct</i> .....	-16.87
07 52 16 12-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped .....	156.13
		<i>For Up To 10, Add</i> .....	37.57
		<i>For &gt;10 To 20, Add</i> .....	20.37
		<i>For &gt;20 To 40, Add</i> .....	10.98
		<i>For &gt;75 To 100, Deduct</i> .....	-5.49
		<i>For &gt;100 To 200, Deduct</i> .....	-11.77
		<i>For &gt;200, Deduct</i> .....	-17.26
07 52 16 12-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped .....	221.18
		<i>For Up To 10, Add</i> .....	50.58
		<i>For &gt;10 To 20, Add</i> .....	26.88
		<i>For &gt;20 To 40, Add</i> .....	14.23
		<i>For &gt;75 To 100, Deduct</i> .....	-7.12
		<i>For &gt;100 To 200, Deduct</i> .....	-15.02
		<i>For &gt;200, Deduct</i> .....	-22.14
07 52 16 12-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped .....	287.01
		<i>For Up To 10, Add</i> .....	63.75
		<i>For &gt;10 To 20, Add</i> .....	33.46
		<i>For &gt;20 To 40, Add</i> .....	17.52
		<i>For &gt;75 To 100, Deduct</i> .....	-8.76
		<i>For &gt;100 To 200, Deduct</i> .....	-18.32
		<i>For &gt;200, Deduct</i> .....	-27.08



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0008	SQ		140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	235.46	
			<i>For Up To 10, Add</i>	54.04	
			<i>For &gt;10 To 20, Add</i>	28.76	
			<i>For &gt;20 To 40, Add</i>	15.25	
			<i>For &gt;75 To 100, Deduct</i>	-7.62	
			<i>For &gt;100 To 200, Deduct</i>	-16.12	
			<i>For &gt;200, Deduct</i>	-23.74	
07 52 16 12-0009	SQ		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	242.54	
			<i>For Up To 10, Add</i>	55.46	
			<i>For &gt;10 To 20, Add</i>	29.47	
			<i>For &gt;20 To 40, Add</i>	15.60	
			<i>For &gt;75 To 100, Deduct</i>	-7.80	
			<i>For &gt;100 To 200, Deduct</i>	-16.47	
			<i>For &gt;200, Deduct</i>	-24.27	
07 52 16 12-0010	SQ		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	209.39	
			<i>For Up To 10, Add</i>	48.83	
			<i>For &gt;10 To 20, Add</i>	26.15	
			<i>For &gt;20 To 40, Add</i>	13.94	
			<i>For &gt;75 To 100, Deduct</i>	-6.97	
			<i>For &gt;100 To 200, Deduct</i>	-14.81	
			<i>For &gt;200, Deduct</i>	-21.78	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 12-0011	SQ		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	212.44	
			<i>For Up To 10, Add</i>	49.44	
			<i>For &gt;10 To 20, Add</i>	26.46	
			<i>For &gt;20 To 40, Add</i>	14.10	
			<i>For &gt;75 To 100, Deduct</i>	-7.05	
			<i>For &gt;100 To 200, Deduct</i>	-14.96	
			<i>For &gt;200, Deduct</i>	-22.01	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 12-0012	SQ		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	240.66	
			<i>For Up To 10, Add</i>	55.08	
			<i>For &gt;10 To 20, Add</i>	29.28	
			<i>For &gt;20 To 40, Add</i>	15.51	
			<i>For &gt;75 To 100, Deduct</i>	-7.75	
			<i>For &gt;100 To 200, Deduct</i>	-16.38	
			<i>For &gt;200, Deduct</i>	-24.13	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 12-0013	SQ		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	245.36	
			<i>For Up To 10, Add</i>	56.02	
			<i>For &gt;10 To 20, Add</i>	29.75	
			<i>For &gt;20 To 40, Add</i>	15.74	
			<i>For &gt;75 To 100, Deduct</i>	-7.87	
			<i>For &gt;100 To 200, Deduct</i>	-16.61	
			<i>For &gt;200, Deduct</i>	-24.48	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 12-0014	SQ		170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	286.50	
			<i>For Up To 10, Add</i>	64.25	
			<i>For &gt;10 To 20, Add</i>	33.86	
			<i>For &gt;20 To 40, Add</i>	17.80	
			<i>For &gt;75 To 100, Deduct</i>	-8.90	
			<i>For &gt;100 To 200, Deduct</i>	-18.67	
			<i>For &gt;200, Deduct</i>	-27.57	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 12-0015	SQ		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	361.46	
			<i>For Up To 10, Add</i>	79.24	
			<i>For &gt;10 To 20, Add</i>	41.36	
			<i>For &gt;20 To 40, Add</i>	21.55	
			<i>For &gt;75 To 100, Deduct</i>	-10.77	
			<i>For &gt;100 To 200, Deduct</i>	-22.42	
			<i>For &gt;200, Deduct</i>	-33.19	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 12-0016	SQ		125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	214.49	
			<i>For Up To 10, Add</i>	49.85	
			<i>For &gt;10 To 20, Add</i>	26.66	
			<i>For &gt;20 To 40, Add</i>	14.20	
			<i>For &gt;75 To 100, Deduct</i>	-7.10	
			<i>For &gt;100 To 200, Deduct</i>	-15.07	
			<i>For &gt;200, Deduct</i>	-22.17	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 12-0017	SQ		140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	221.85	
			<i>For Up To 10, Add</i>	51.32	
			<i>For &gt;10 To 20, Add</i>	27.40	
			<i>For &gt;20 To 40, Add</i>	14.57	
			<i>For &gt;75 To 100, Deduct</i>	-7.28	
			<i>For &gt;100 To 200, Deduct</i>	-15.44	
			<i>For &gt;200, Deduct</i>	-22.72	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 12-0018	SQ		150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	261.82	
			<i>For Up To 10, Add</i>	59.31	
			<i>For &gt;10 To 20, Add</i>	31.39	
			<i>For &gt;20 To 40, Add</i>	16.57	
			<i>For &gt;75 To 100, Deduct</i>	-8.28	
			<i>For &gt;100 To 200, Deduct</i>	-17.43	
			<i>For &gt;200, Deduct</i>	-25.72	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 52 16 12-0019	SQ 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	262.76	
	For Up To 10, Add	59.50	
	For >10 To 20, Add	31.49	
	For >20 To 40, Add	16.61	
	For >75 To 100, Deduct	-8.31	
	For >100 To 200, Deduct	-17.48	
	For >200, Deduct	-25.79	
	For Factory Applied White Reflective Surfacing, Add	72.47	
07 52 16 12-0020	SQ 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	280.63	
	For Up To 10, Add	63.07	
	For >10 To 20, Add	33.27	
	For >20 To 40, Add	17.51	
	For >75 To 100, Deduct	-8.75	
	For >100 To 200, Deduct	-18.37	
	For >200, Deduct	-27.13	
	For Factory Applied White Reflective Surfacing, Add	72.47	
<b>07 52 16 12-0021 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing</b> (07 52 16 12-0001)			
07 52 16 12-0022	SF 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.05	
07 52 16 12-0023	SF 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	3.72	
	For Factory Applied White Reflective Surfacing, Add	0.72	
07 52 16 12-0024	SF 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	3.75	
	For Factory Applied White Reflective Surfacing, Add	0.72	
07 52 16 12-0025	SF 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.03	
	For Factory Applied White Reflective Surfacing, Add	0.72	
07 52 16 12-0026	SF 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.07	
	For Factory Applied White Reflective Surfacing, Add	0.72	
07 52 16 12-0027	SF 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.49	
	For Factory Applied White Reflective Surfacing, Add	0.72	
07 52 16 12-0028	SF 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	5.24	
	For Factory Applied White Reflective Surfacing, Add	0.72	
07 52 16 12-0029	SF 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	3.77	
	For Factory Applied White Reflective Surfacing, Add	0.72	
07 52 16 12-0030	SF 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	3.84	
	For Factory Applied White Reflective Surfacing, Add	0.72	
07 52 16 12-0031	SF 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.17	
	For Factory Applied White Reflective Surfacing, Add	0.72	
07 52 16 12-0032	SF 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.43	
	For Factory Applied White Reflective Surfacing, Add	0.72	
07 52 16 12-0033	SF 145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	5.89	
07 52 16 12-0034	SF 160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	11.17	
<b>07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing</b> (07 52 16)			
07 52 16 13-0001	Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 13) Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 16 13-0002	Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 13-0001)		
07 52 16 13-0003	SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	225.37	
	For Up To 10, Add	54.41	
	For >10 To 20, Add	29.54	
	For >20 To 40, Add	15.94	
	For >75 To 100, Deduct	-7.97	
	For >100 To 200, Deduct	-17.10	
	For >200, Deduct	-25.07	
07 52 16 13-0004	SQ 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	202.56	
	For Up To 10, Add	49.85	
	For >10 To 20, Add	27.26	
	For >20 To 40, Add	14.80	
	For >75 To 100, Deduct	-7.40	
	For >100 To 200, Deduct	-15.96	
	For >200, Deduct	-23.36	
	For Factory Applied White Reflective Surfacing, Add	72.47	
07 52 16 13-0005	SQ 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	229.36	
	For Up To 10, Add	55.21	
	For >10 To 20, Add	29.94	
	For >20 To 40, Add	16.14	
	For >75 To 100, Deduct	-8.07	
	For >100 To 200, Deduct	-17.30	
	For >200, Deduct	-25.37	
	For Factory Applied White Reflective Surfacing, Add	72.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13-0006	SQ		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied .....	350.87	
			For Up To 10, Add	79.51	
			For >10 To 20, Add	42.09	
			For >20 To 40, Add	22.21	
			For >75 To 100, Deduct	-11.11	
			For >100 To 200, Deduct	-23.38	
			For >200, Deduct	-34.48	
			For Factory Applied White Reflective Surfacing, Add	72.47	
07 52 16 13-0007	SQ		150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied .....	210.23	
			For Up To 10, Add	51.38	
			For >10 To 20, Add	28.03	
			For >20 To 40, Add	15.18	
			For >75 To 100, Deduct	-7.59	
			For >100 To 200, Deduct	-16.35	
			For >200, Deduct	-23.94	
			For Factory Applied White Reflective Surfacing, Add	72.47	
07 52 16 13-0008	SQ		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied .....	241.82	
			For Up To 10, Add	57.70	
			For >10 To 20, Add	31.18	
			For >20 To 40, Add	16.76	
			For >75 To 100, Deduct	-8.38	
			For >100 To 200, Deduct	-17.93	
			For >200, Deduct	-26.31	
			For Factory Applied White Reflective Surfacing, Add	72.47	
07 52 16 13-0009	SQ		165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied .....	252.14	
			For Up To 10, Add	59.95	
			For >10 To 20, Add	32.35	
			For >20 To 40, Add	17.37	
			For >75 To 100, Deduct	-8.68	
			For >100 To 200, Deduct	-18.56	
			For >200, Deduct	-27.24	
			For Factory Applied White Reflective Surfacing, Add	72.47	
07 52 16 13-0010	SQ		180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied .....	325.89	
			For Up To 10, Add	74.70	
			For >10 To 20, Add	39.73	
			For >20 To 40, Add	21.05	
			For >75 To 100, Deduct	-10.53	
			For >100 To 200, Deduct	-22.24	
			For >200, Deduct	-32.77	
			For Factory Applied White Reflective Surfacing, Add	72.47	
07 52 16 13-0011			<b>Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing</b> (07 52 16 13-0001)		
07 52 16 13-0012	SF		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	3.25	
07 52 16 13-0013	SF		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	3.23	
			For Factory Applied White Reflective Surfacing, Add	0.72	
07 52 16 13-0014	SF		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	4.44	
			For Factory Applied White Reflective Surfacing, Add	0.72	
07 52 16 13-0015	SF		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	3.38	
			For Factory Applied White Reflective Surfacing, Add	0.72	
07 52 16 13-0016	SF		165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	3.45	
			For Factory Applied White Reflective Surfacing, Add	0.72	
07 52 16 13-0017	SF		180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	4.19	
			For Factory Applied White Reflective Surfacing, Add	0.72	
07 52 16 13-0018	SF		150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	4.35	
07 52 16 13-0019	SF		160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	10.38	
07 52 16 14			<b>Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing</b> (07 52 16)		
07 52 16 14-0001			<b>Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing</b> (07 52 16 14)		
			Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 16 14-0002			<b>Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets</b> (07 52 16 14-0001)		
07 52 16 14-0003	SQ		35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened .....	140.16	
			For Up To 10, Add	31.14	
			For >10 To 20, Add	16.35	
			For >20 To 40, Add	8.56	
			For >75 To 100, Deduct	-4.28	
			For >100 To 200, Deduct	-8.95	
			For >200, Deduct	-13.23	
07 52 16 14-0004	SQ		50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened .....	107.99	
			For Up To 10, Add	24.71	
			For >10 To 20, Add	13.13	
			For >20 To 40, Add	6.95	
			For >75 To 100, Deduct	-3.48	
			For >100 To 200, Deduct	-7.34	
			For >200, Deduct	-10.82	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 14-0005	SQ		80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened .....	139.66	
			<i>For Up To 10, Add</i>	31.04	
			<i>For &gt;10 To 20, Add</i>	16.30	
			<i>For &gt;20 To 40, Add</i>	8.54	
			<i>For &gt;75 To 100, Deduct</i>	-4.27	
			<i>For &gt;100 To 200, Deduct</i>	-8.93	
			<i>For &gt;200, Deduct</i>	-13.19	
07 52 16 14-0006	SQ		90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened .....	174.64	
			<i>For Up To 10, Add</i>	38.04	
			<i>For &gt;10 To 20, Add</i>	19.80	
			<i>For &gt;20 To 40, Add</i>	10.29	
			<i>For &gt;75 To 100, Deduct</i>	-5.14	
			<i>For &gt;100 To 200, Deduct</i>	-10.67	
			<i>For &gt;200, Deduct</i>	-15.82	
07 52 16 14-0007	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened .....	219.08	
			<i>For Up To 10, Add</i>	46.92	
			<i>For &gt;10 To 20, Add</i>	24.24	
			<i>For &gt;20 To 40, Add</i>	12.51	
			<i>For &gt;75 To 100, Deduct</i>	-6.25	
			<i>For &gt;100 To 200, Deduct</i>	-12.90	
			<i>For &gt;200, Deduct</i>	-19.15	
07 52 16 14-0008			<b>Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing</b> <small>(07 52 16 14-0001)</small>		
07 52 16 14-0009	SF		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened.....	2.78	
07 52 16 14-0010	SF		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened .....	2.85	
07 52 16 15			<b>Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing</b> <small>(07 52 16)</small>		
07 52 16 15-0001			<b>Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing</b> <small>(07 52 16 15)</small> Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.		
07 52 16 15-0002			<b>Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets</b> <small>(07 52 16 15-0001)</small>		
07 52 16 15-0003	SQ		60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering .....	112.63	
			<i>For Up To 10, Add</i>	26.26	
			<i>For &gt;10 To 20, Add</i>	14.06	
			<i>For &gt;20 To 40, Add</i>	7.50	
			<i>For &gt;75 To 100, Deduct</i>	-3.75	
			<i>For &gt;100 To 200, Deduct</i>	-7.97	
			<i>For &gt;200, Deduct</i>	-11.71	
07 52 16 15-0004	SQ		70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering .....	119.30	
			<i>For Up To 10, Add</i>	27.59	
			<i>For &gt;10 To 20, Add</i>	14.73	
			<i>For &gt;20 To 40, Add</i>	7.83	
			<i>For &gt;75 To 100, Deduct</i>	-3.92	
			<i>For &gt;100 To 200, Deduct</i>	-8.30	
			<i>For &gt;200, Deduct</i>	-12.21	
07 52 16 15-0005	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering .....	200.83	
			<i>For Up To 10, Add</i>	44.18	
			<i>For &gt;10 To 20, Add</i>	23.09	
			<i>For &gt;20 To 40, Add</i>	12.05	
			<i>For &gt;75 To 100, Deduct</i>	-6.02	
			<i>For &gt;100 To 200, Deduct</i>	-12.55	
			<i>For &gt;200, Deduct</i>	-18.57	
07 52 16 15-0006	SQ		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering.....	239.90	
			<i>For Up To 10, Add</i>	51.99	
			<i>For &gt;10 To 20, Add</i>	27.00	
			<i>For &gt;20 To 40, Add</i>	14.00	
			<i>For &gt;75 To 100, Deduct</i>	-7.00	
			<i>For &gt;100 To 200, Deduct</i>	-14.50	
			<i>For &gt;200, Deduct</i>	-21.50	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 15-0007	SQ		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering.....	355.11	
			<i>For Up To 10, Add</i>	75.04	
			<i>For &gt;10 To 20, Add</i>	38.52	
			<i>For &gt;20 To 40, Add</i>	19.76	
			<i>For &gt;75 To 100, Deduct</i>	-9.88	
			<i>For &gt;100 To 200, Deduct</i>	-20.26	
			<i>For &gt;200, Deduct</i>	-30.15	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 15-0008			<b>Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing</b> <small>(07 52 16 15-0001)</small>		
07 52 16 15-0009	SF		70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering .....	3.22	
07 52 16 15-0010	SF		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering .....	3.60	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 16 15-0011	SF		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering .....	4.75	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	

07 53 Elastomeric Membrane Roofing (07 50)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

**07 53 16 Chlorosulfonate-Polyethylene Roofing (07 53)**

**07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes (07 53 16)**

07 53 16 00-0002	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered .....	361.79	74.68
		Note: Includes adhesive.		
		For Up To 10, Add	102.23	
		For >10 To 20, Add	58.58	
		For >20 To 40, Add	33.03	
		For >75 To 100, Deduct	-16.51	
		For >100 To 200, Deduct	-36.76	
		For >200, Deduct	-53.27	
		For 15 Year Warranty, Add	3.00	
07 53 16 00-0003	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted .....	251.91	37.34
		Note: Includes ballast.		
		For Up To 10, Add	65.32	
		For >10 To 20, Add	36.39	
		For >20 To 40, Add	20.06	
		For >75 To 100, Deduct	-10.03	
		For >100 To 200, Deduct	-21.93	
		For >200, Deduct	-31.96	
		For 15 Year Warranty, Add	3.00	
07 53 16 00-0004	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened .....	278.37	56.01
		Note: Includes fasteners.		
		For Up To 10, Add	78.08	
		For >10 To 20, Add	44.64	
		For >20 To 40, Add	25.12	
		For >75 To 100, Deduct	-12.56	
		For >100 To 200, Deduct	-27.92	
		For >200, Deduct	-40.48	
		For 15 Year Warranty, Add	3.00	

**07 53 23 Ethylene-Propylene-Diene-Monomer Roofing (07 53)**

**07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes (07 53 23)**

07 53 23 00-0002	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted .....	204.26	37.34
		Note: Includes ballast.		
		For Up To 10, Add	55.79	
		For >10 To 20, Add	31.63	
		For >20 To 40, Add	17.68	
		For >75 To 100, Deduct	-8.84	
		For >100 To 200, Deduct	-19.55	
		For >200, Deduct	-28.39	
		For 15 Year Warranty, Add	3.00	
		For Low Slope Fire Rated, Add	5.82	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.37	
07 53 23 00-0003	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted .....	229.47	39.67
		Note: Includes ballast.		
		For Up To 10, Add	61.76	
		For >10 To 20, Add	34.85	
		For >20 To 40, Add	19.41	
		For >75 To 100, Deduct	-9.70	
		For >100 To 200, Deduct	-21.39	
		For >200, Deduct	-31.10	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	5.82	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.37	
07 53 23 00-0004	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted .....	340.90	42.01
		Note: Includes ballast.		
		For Up To 10, Add	84.98	
		For >10 To 20, Add	46.69	
		For >20 To 40, Add	25.45	
		For >75 To 100, Deduct	-12.72	
		For >100 To 200, Deduct	-27.55	
		For >200, Deduct	-40.27	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	5.82	
07 53 23 00-0005	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) .....	247.10	56.01
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	71.82	
		For >10 To 20, Add	41.51	
		For >20 To 40, Add	23.56	
		For >75 To 100, Deduct	-11.78	
		For >100 To 200, Deduct	-26.36	
		For >200, Deduct	-38.14	
		For 15 Year Warranty, Add	3.00	
		For Low Slope Fire Rated, Add	5.82	
		For Low VOC Adhesive, Add	23.37	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.37	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	55.56	
		For Integral Polyester Fleece-Backing, Add	79.56	

## 07 Thermal And Moisture Protection

## 07 50 Membrane Roofing

## 07 53 Elastomeric Membrane Roofing

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 53 23 00-0006	SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	272.31	58.34
	For Up To 10, Add	77.80	
	For >10 To 20, Add	44.73	
	For >20 To 40, Add	25.28	
	For >75 To 100, Deduct	-12.64	
	For >100 To 200, Deduct	-28.20	
	For >200, Deduct	-40.84	
	For 15 Year Warranty, Add	3.00	
	For 20 Year Warranty, Add	7.00	
	For 25 Year Warranty, Add	9.00	
	For Low Slope Fire Rated, Add	5.82	
	For Low VOC Adhesive, Add	23.37	
	For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.37	
	For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	55.56	
	For Integral Polyester Fleece-Backing, Add	88.10	
07 53 23 00-0007	SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	383.74	60.68
	For Up To 10, Add	101.02	
	For >10 To 20, Add	56.58	
	For >20 To 40, Add	31.32	
	For >75 To 100, Deduct	-15.66	
	For >100 To 200, Deduct	-34.36	
	For >200, Deduct	-50.02	
	For 15 Year Warranty, Add	3.00	
	For 20 Year Warranty, Add	7.00	
	For 25 Year Warranty, Add	9.00	
	For Low Slope Fire Rated, Add	5.82	
	For Low VOC Adhesive, Add	23.37	
	For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	55.56	
	For Integral Polyester Fleece-Backing, Add	97.42	
07 53 23 00-0008	SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	326.07	74.68
	For Up To 10, Add	95.09	
	For >10 To 20, Add	55.01	
	For >20 To 40, Add	31.24	
	For >75 To 100, Deduct	-15.62	
	For >100 To 200, Deduct	-34.97	
	For >200, Deduct	-50.60	
	For 15 Year Warranty, Add	3.00	
	For Low Slope Fire Rated, Add	5.82	
	For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.37	
	For Low VOC Adhesive, Add	58.43	
	For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	55.56	
	For Integral Polyester Fleece-Backing, Add	79.56	
07 53 23 00-0009	SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	351.28	77.02
	For Up To 10, Add	101.06	
	For >10 To 20, Add	58.23	
	For >20 To 40, Add	32.97	
	For >75 To 100, Deduct	-16.48	
	For >100 To 200, Deduct	-36.82	
	For >200, Deduct	-53.30	
	For 15 Year Warranty, Add	3.00	
	For 20 Year Warranty, Add	7.00	
	For 25 Year Warranty, Add	9.00	
	For Low Slope Fire Rated, Add	5.82	
	For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.37	
	For Low VOC Adhesive, Add	58.43	
	For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	55.56	
	For Integral Polyester Fleece-Backing, Add	88.10	
07 53 23 00-0010	SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	462.71	79.35
	For Up To 10, Add	124.28	
	For >10 To 20, Add	70.08	
	For >20 To 40, Add	39.01	
	For >75 To 100, Deduct	-19.50	
	For >100 To 200, Deduct	-42.97	
	For >200, Deduct	-62.48	
	For 15 Year Warranty, Add	3.00	
	For 20 Year Warranty, Add	7.00	
	For 25 Year Warranty, Add	9.00	
	For Low Slope Fire Rated, Add	5.82	
	For Low VOC Adhesive, Add	58.43	
	For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	55.56	
	For Integral Polyester Fleece-Backing, Add	97.42	
07 53 23 00-0011	SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	230.55	56.01
	For Up To 10, Add	68.51	
	For >10 To 20, Add	39.86	
	For >20 To 40, Add	22.73	
	For >75 To 100, Deduct	-11.36	
	For >100 To 200, Deduct	-25.53	
	For >200, Deduct	-36.89	
	For 15 Year Warranty, Add	3.00	
	For Low Slope Fire Rated, Add	5.82	
	For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.37	
	For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	55.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0012	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened .....255.77 Note: Includes fasteners.		58.34
			For Up To 10, Add	74.49	
			For >10 To 20, Add	43.08	
			For >20 To 40, Add	24.46	
			For >75 To 100, Deduct	-12.23	
			For >100 To 200, Deduct	-27.37	
			For >200, Deduct	-39.60	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	5.82	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.37	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	55.56	
07 53 23 00-0013	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened .....367.19 Note: Includes fasteners.		60.68
			For Up To 10, Add	97.71	
			For >10 To 20, Add	54.92	
			For >20 To 40, Add	30.50	
			For >75 To 100, Deduct	-15.25	
			For >100 To 200, Deduct	-33.53	
			For >200, Deduct	-48.78	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	5.82	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	55.56	
<b>07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane</b>					
<b>Accessories (07 53 23)</b>					
07 53 23 00-0015	SQ		Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat .....52.74		
			For Up To 10, Add	14.28	
			For >10 To 20, Add	8.07	
			For >20 To 40, Add	4.50	
			For >75 To 100, Deduct	-2.25	
			For >100 To 200, Deduct	-4.97	
			For >200, Deduct	-7.22	
07 53 23 00-0016	SQ		Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat.....54.44 Note: 55% solids by volume.		
			For Up To 10, Add	14.62	
			For >10 To 20, Add	8.24	
			For >20 To 40, Add	4.59	
			For >75 To 100, Deduct	-2.29	
			For >100 To 200, Deduct	-5.06	
			For >200, Deduct	-7.35	
07 53 23 00-0017	EA		Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....34.28 Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		8.87
07 53 23 00-0018	EA		>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot .....47.73 Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		8.87
07 53 23 00-0019	EA		>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot .....86.52 Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		8.87
07 53 23 00-0020	EA		6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket.....114.03 Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		9.80
07 53 23 00-0021	LF		30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad.....26.14 Note: Includes factory installed peel and stick adhesive tape.		5.42
07 53 23 00-0022	SF		Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing .....5.10		1.40
07 53 23 00-0023	SF		Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing.....6.49		2.10
<b>07 53 29 Polyisobutylene Roofing (07 53)</b>					
<b>07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes (07 53 29)</b>					
Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.					
07 53 29 00-0002	SQ		100 Mil, Single Ply PIB Roofing Membrane, Ballasted.....374.15 Note: Includes ballast.		42.01
			For Up To 10, Add	91.63	
			For >10 To 20, Add	50.02	
			For >20 To 40, Add	27.11	
			For >75 To 100, Deduct	-13.55	
			For >100 To 200, Deduct	-29.21	
			For >200, Deduct	-42.76	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
07 53 29 00-0003	SQ		100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%).....422.69 Note: Includes adhesive.		60.68
			For Up To 10, Add	108.81	
			For >10 To 20, Add	60.47	
			For >20 To 40, Add	33.27	
			For >75 To 100, Deduct	-16.64	
			For >100 To 200, Deduct	-36.30	
			For >200, Deduct	-52.94	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 53 29 00-0004	SQ	100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered .....	510.22	79.35
		Note: Includes adhesive.		
		For Up To 10, Add	133.79	
		For >10 To 20, Add	74.83	
		For >20 To 40, Add	41.38	
		For >75 To 100, Deduct	-20.69	
		For >100 To 200, Deduct	-45.35	
		For >200, Deduct	-66.04	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	

**07 54 Thermoplastic Membrane Roofing** (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

**07 54 19 Polyvinyl-Chloride Roofing** (07 54)

07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (Sika Sarnafil® EnergySmart Roof® Membranes) (07 54 19)

07 54 19 00-0002 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (Sika Sarnafil® EnergySmart Roof® Membranes) (07 54 19 00-0001)

Note: Includes integral fiberglass mat reinforcement and hot air welding of seams. Sarnafil® G410 fully adhered membranes meet or exceed all of the requirements of ASTM D4434 Type II. Sarnafil® S327 mechanically attached membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0003	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered.....	270.39	74.68
		Note: Includes adhesive.		
		For Up To 10, Add	83.95	
		For >10 To 20, Add	49.44	
		For >20 To 40, Add	28.46	
		For >75 To 100, Deduct	-14.23	
		For >100 To 200, Deduct	-32.19	
		For >200, Deduct	-46.42	
		For 15 Year Warranty, Add	1.32	
		For 20 Year Warranty, Add	4.62	
		For 25 Year Warranty, Add	8.58	
		For Integral Felt Backing, Add	23.08	
07 54 19 00-0004	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered.....	286.97	77.02
		Note: Includes adhesive.		
		For Up To 10, Add	88.20	
		For >10 To 20, Add	51.80	
		For >20 To 40, Add	29.75	
		For >75 To 100, Deduct	-14.88	
		For >100 To 200, Deduct	-33.60	
		For >200, Deduct	-48.48	
		For 15 Year Warranty, Add	1.32	
		For 20 Year Warranty, Add	4.62	
		For 25 Year Warranty, Add	8.58	
		For Integral Felt Backing, Add	23.08	
07 54 19 00-0005	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered.....	301.96	78.18
		Note: Includes adhesive.		
		For Up To 10, Add	91.66	
		For >10 To 20, Add	53.65	
		For >20 To 40, Add	30.73	
		For >75 To 100, Deduct	-15.37	
		For >100 To 200, Deduct	-34.64	
		For >200, Deduct	-50.01	
		For 15 Year Warranty, Add	1.32	
		For 20 Year Warranty, Add	4.62	
		For 25 Year Warranty, Add	8.58	
		For Integral Felt Backing, Add	23.08	
07 54 19 00-0006	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered.....	317.71	79.35
		Note: Includes adhesive.		
		For Up To 10, Add	95.28	
		For >10 To 20, Add	55.58	
		For >20 To 40, Add	31.76	
		For >75 To 100, Deduct	-15.88	
		For >100 To 200, Deduct	-35.72	
		For >200, Deduct	-51.60	
		For 15 Year Warranty, Add	1.32	
		For 20 Year Warranty, Add	4.62	
		For 25 Year Warranty, Add	8.58	
		For Integral Felt Backing, Add	23.08	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0007	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened ..... Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.	214.03	56.01
			For Up To 10, Add	65.21	
			For >10 To 20, Add	38.21	
			For >20 To 40, Add	21.90	
			For >75 To 100, Deduct	-10.95	
			For >100 To 200, Deduct	-24.70	
			For >200, Deduct	-35.66	
			For 15 Year Warranty, Add	1.32	
			For 20 Year Warranty, Add	4.62	
			For 25 Year Warranty, Add	8.58	
			For Mechanically Fastened To Concrete Decks, Add	28.01	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	28.89	
			For Integral Felt Backing, Add	23.08	
			For Mechanically Fastened With Sarnabar, Add	13.56	
07 54 19 00-0008	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened ..... Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.	230.61	58.34
			For Up To 10, Add	69.46	
			For >10 To 20, Add	40.56	
			For >20 To 40, Add	23.20	
			For >75 To 100, Deduct	-11.60	
			For >100 To 200, Deduct	-26.12	
			For >200, Deduct	-37.72	
			For 15 Year Warranty, Add	1.32	
			For 20 Year Warranty, Add	4.62	
			For 25 Year Warranty, Add	8.58	
			For Mechanically Fastened To Concrete Decks, Add	29.17	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	30.05	
			For Integral Felt Backing, Add	23.08	
			For Mechanically Fastened With Sarnabar, Add	13.56	
07 54 19 00-0009	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened ..... Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.	245.60	59.51
			For Up To 10, Add	72.92	
			For >10 To 20, Add	42.41	
			For >20 To 40, Add	24.18	
			For >75 To 100, Deduct	-12.09	
			For >100 To 200, Deduct	-27.16	
			For >200, Deduct	-39.25	
			For 15 Year Warranty, Add	1.32	
			For 20 Year Warranty, Add	4.62	
			For 25 Year Warranty, Add	8.58	
			For Mechanically Fastened To Concrete Decks, Add	29.76	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	30.64	
			For Integral Felt Backing, Add	23.08	
			For Mechanically Fastened With Sarnabar, Add	13.56	
07 54 19 00-0010	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened ..... Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.	261.34	60.68
			For Up To 10, Add	76.54	
			For >10 To 20, Add	44.34	
			For >20 To 40, Add	25.20	
			For >75 To 100, Deduct	-12.60	
			For >100 To 200, Deduct	-28.24	
			For >200, Deduct	-40.84	
			For 15 Year Warranty, Add	1.32	
			For 20 Year Warranty, Add	4.62	
			For 25 Year Warranty, Add	8.58	
			For Mechanically Fastened To Concrete Decks, Add	30.34	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	31.22	
			For Integral Felt Backing, Add	23.08	
			For Mechanically Fastened With Sarnabar, Add	13.56	
07 54 19 00-0011			<b>Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories</b> <b>(Sika Sarnafil® EnergySmart Roof® Membranes)</b> <small>(07 54 19 00-0001)</small>		
07 54 19 00-0012	SQ		Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat..... Note: Includes fasteners and caulking.	52.74	
			For Up To 10, Add	14.28	
			For >10 To 20, Add	8.07	
			For >20 To 40, Add	4.50	
			For >75 To 100, Deduct	-2.25	
			For >100 To 200, Deduct	-4.97	
			For >200, Deduct	-7.22	
07 54 19 00-0013	SQ		Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat..... Note: 55% solids by volume.	54.44	
			For Up To 10, Add	14.62	
			For >10 To 20, Add	8.24	
			For >20 To 40, Add	4.59	
			For >75 To 100, Deduct	-2.29	
			For >100 To 200, Deduct	-5.06	
			For >200, Deduct	-7.35	
07 54 19 00-0014	LF		3/4" Wide Multi-Purpose Tape (Sika Sarnafil®) .....	0.69	
07 54 19 00-0015	LF		Roofing Membrane Aluminum Termination Bar (Sika Sarnafil® Sarnastop)..... Note: Includes fasteners and caulking.	3.43	1.34
07 54 19 00-0016	EA		4-1/2" Diameter, Polyvinyl Chloride (PVC) Membrane Prefabricated Patch (Sika Sarnafil® Samacircles).....	3.31	1.17
07 54 19 00-0017	LF		8" Polyvinyl Chloride (PVC) Membrane Cover Strip (Sika Sarnafil® Coverstrip) .....	3.51	1.17
			Note: Includes aluminum tape.		
07 54 19 00-0018	LF		12" Polyvinyl Chloride (PVC) Membrane Cover Strip (Sika Sarnafil® Coverstrip) .....	3.51	1.17
			Note: Includes aluminum tape.		

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 54 19 00-0019	LF	Surface Mount Vertical Termination Bar (Sika Sarnafil® Sarnareglet).....	4.57	1.46
		Note: Includes fasteners, splice plates and caulking.		
07 54 19 00-0020	SF	Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® G459) .....	4.67	1.40
07 54 19 00-0021	SF	Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Detail Membrane) .....	6.05	2.10
07 54 19 00-0022	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing (Sika Sarnafil® Sarnaclad).....	6.11	1.40
		Note: 20 Mil white polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		
		<i>For Colored PVC, Add</i>	0.48	
07 54 19 00-0023	LF	39" Wide, 96 Mil, Polyester Reinforced, Polyvinyl Chloride (PVC) Walkway Protection Pad (Sika Sarnafil® Samatred -V) .....	18.19	5.42
07 54 19 00-0024	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack) .....	41.82	7.93
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0025	EA	>3" To 5" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack) .....	43.69	8.87
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0026	EA	>5" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack) .....	45.56	9.80
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0027	EA	6" Diameter, Seamless Heavy-Duty Aluminum Roof Drain (Sika Sarnafil® Sarnadrain With U-Flow®) .....	691.33	187.42
07 54 19 00-0028	EA	Inside Corner, Prefabricated Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Sarnacorners - Inside) .....	13.80	
07 54 19 00-0029	EA	Outside Corner, Prefabricated Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Sarnacorners - Outside) .....	13.80	
07 54 19 00-0030	SQ	9 OZ/SY, Protective Polypropylene Fabric Separation Layer (Sika Sarnafil® Sarnafelt NWP), Loose Laid .....	28.45	
07 54 19 00-0031	SQ	11 OZ/SY, Protective Polypropylene Fabric Separation Layer (Sika Sarnafil® Sarnafelt), Loose Laid .....	41.44	
07 54 19 00-0032	SQ	10 Mil, Low Density Polyethylene, Vapor/Air Barrier Sheet (Sika Sarnafil® Samavap - 10), Loose Laid.....	25.51	
07 54 19 00-0033	SQ	32 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Vapor/Air Barrier Sheet (Sika Sarnafil® Samavap Self-Adhered), Self-Adhering .....	66.47	
07 54 19 00-0034		Snap-On Cover Fascia (Sika Sarnafil® Edge Grip) (07 54 19 00-0001)		
07 54 19 00-0035		Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0034)		
07 54 19 00-0036		Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0035)		
07 54 19 00-0037		Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0036)		
07 54 19 00-0038	LF	8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip).....	10.69	2.62
07 54 19 00-0039		Accessories For Mill Finish, Aluminum Snap-On Cover Fascia Systems (07 54 19 00-0036)		
07 54 19 00-0040	EA	Fascia Overflow Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip).....	59.48	9.73
07 54 19 00-0041	EA	Fascia Spillout Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip).....	59.48	9.73
07 54 19 00-0042	EA	Fascia Downspout Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip).....	70.37	9.73
07 54 19 00-0043	EA	Inside/Outside Miter For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip).....	25.46	2.62
07 54 19 00-0044		KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0035)		
07 54 19 00-0045		KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0044)		
07 54 19 00-0046	LF	8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip).....	11.95	2.62
07 54 19 00-0047		Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 54 19 00-0044)		
07 54 19 00-0048	EA	Fascia Overflow Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip).....	61.99	9.73
07 54 19 00-0049	EA	Fascia Spillout Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip).....	61.99	9.73
07 54 19 00-0050	EA	Fascia Downspout Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip).....	75.40	9.73
07 54 19 00-0051	EA	Inside/Outside Miter For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip).....	27.98	2.62
07 54 19 00-0052		Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0034)		
07 54 19 00-0053		KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0052)		
07 54 19 00-0054		KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0053)		
07 54 19 00-0055	LF	8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip).....	10.99	2.62

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**07 54 19 00-0056 Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) (07 54 19 00-0053)**

07 54 19 00-0057	EA		Fascia Overflow Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip).....	60.06	9.73
07 54 19 00-0058	EA		Fascia Spillout Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip).....	60.06	9.73
07 54 19 00-0059	EA		Fascia Downspout Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip).....	71.53	9.73
07 54 19 00-0060	EA		Inside/Outside Miter For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip).....	26.04	2.62

**07 54 19 00-0061 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (07 54 19)**

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0062	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	198.40	37.34
			Note: Includes ballast.		
			For Up To 10, Add	54.62	
			For >10 To 20, Add	31.04	
			For >20 To 40, Add	17.39	
			For >75 To 100, Deduct	-8.69	
			For >100 To 200, Deduct	-19.26	
			For >200, Deduct	-27.95	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	38.45	
07 54 19 00-0063	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	223.18	39.67
			Note: Includes ballast.		
			For Up To 10, Add	60.51	
			For >10 To 20, Add	34.22	
			For >20 To 40, Add	19.09	
			For >75 To 100, Deduct	-9.55	
			For >100 To 200, Deduct	-21.08	
			For >200, Deduct	-30.62	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	38.45	
07 54 19 00-0064	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	251.20	40.84
			Note: Includes ballast.		
			For Up To 10, Add	66.58	
			For >10 To 20, Add	37.37	
			For >20 To 40, Add	20.73	
			For >75 To 100, Deduct	-10.36	
			For >100 To 200, Deduct	-22.77	
			For >200, Deduct	-33.13	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	38.45	
07 54 19 00-0065	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	264.71	42.01
			Note: Includes ballast.		
			For Up To 10, Add	69.75	
			For >10 To 20, Add	39.07	
			For >20 To 40, Add	21.64	
			For >75 To 100, Deduct	-10.82	
			For >100 To 200, Deduct	-23.74	
			For >200, Deduct	-34.56	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	38.45	

**07 54 23 Thermoplastic-Polyolefin Roofing (07 54)**

**07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes (07 54 23)**

Note: Includes polyester fabric reinforcement and hot air welding of seams.

07 54 23 00-0002	SQ		45 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	315.83	74.68
			Note: Includes adhesive.		
			For Up To 10, Add	93.04	
			For >10 To 20, Add	53.99	
			For >20 To 40, Add	30.73	
			For >75 To 100, Deduct	-15.36	
			For >100 To 200, Deduct	-34.46	
			For >200, Deduct	-49.83	
			For 15 Year Warranty, Add	3.00	
			For Low VOC Adhesive, Add	58.43	
			For Integral Polyester Fleece-Backing, Add	33.25	

## 07 Thermal And Moisture Protection

## 07 50 Membrane Roofing

## 07 54 Thermoplastic Membrane Roofing

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 54 23 00-0003	SQ	50 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	329.38	75.85
		Note: Includes adhesive.		
		For Up To 10, Add	96.22	
		For >10 To 20, Add	55.69	
		For >20 To 40, Add	31.64	
		For >75 To 100, Deduct	-15.82	
		For >100 To 200, Deduct	-35.43	
		For >200, Deduct	-51.25	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low VOC Adhesive, Add	58.43	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0004	SQ	60 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	336.70	77.02
		Note: Includes adhesive.		
		For Up To 10, Add	98.15	
		For >10 To 20, Add	56.77	
		For >20 To 40, Add	32.24	
		For >75 To 100, Deduct	-16.12	
		For >100 To 200, Deduct	-36.09	
		For >200, Deduct	-52.21	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low VOC Adhesive, Add	58.43	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0005	SQ	80 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	424.64	79.35
		Note: Includes adhesive.		
		For Up To 10, Add	116.67	
		For >10 To 20, Add	66.27	
		For >20 To 40, Add	37.10	
		For >75 To 100, Deduct	-18.55	
		For >100 To 200, Deduct	-41.07	
		For >200, Deduct	-59.62	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low VOC Adhesive, Add	58.43	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0006	SQ	45 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened .....	213.97	56.01
		Note: Includes fasteners.		
		For Up To 10, Add	65.20	
		For >10 To 20, Add	38.20	
		For >20 To 40, Add	21.90	
		For >75 To 100, Deduct	-10.95	
		For >100 To 200, Deduct	-24.70	
		For >200, Deduct	-35.65	
		For 15 Year Warranty, Add	3.00	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0007	SQ	50 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened .....	227.52	57.18
		Note: Includes fasteners.		
		For Up To 10, Add	68.38	
		For >10 To 20, Add	39.91	
		For >20 To 40, Add	22.81	
		For >75 To 100, Deduct	-11.41	
		For >100 To 200, Deduct	-25.67	
		For >200, Deduct	-37.08	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Integral Polyester Fleece-Backing, Add	33.25	
		For Mechanically Fastened To Concrete Decks, Add	28.59	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	29.47	
07 54 23 00-0008	SQ	60 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened .....	234.84	58.34
		Note: Includes fasteners.		
		For Up To 10, Add	70.31	
		For >10 To 20, Add	40.99	
		For >20 To 40, Add	23.41	
		For >75 To 100, Deduct	-11.71	
		For >100 To 200, Deduct	-26.33	
		For >200, Deduct	-38.03	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0009	SQ	80 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened .....	322.78	60.68
		Note: Includes fasteners.		
		For Up To 10, Add	88.83	
		For >10 To 20, Add	50.48	
		For >20 To 40, Add	28.28	
		For >75 To 100, Deduct	-14.14	
		For >100 To 200, Deduct	-31.31	
		For >200, Deduct	-45.45	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Integral Polyester Fleece-Backing, Add	33.25	

07 54 23 00-0010 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories (07 54 23)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0011	SQ		Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat.....	62.10	
			<i>For Up To 10, Add</i>	16.15	
			<i>For &gt;10 To 20, Add</i>	9.01	
			<i>For &gt;20 To 40, Add</i>	4.97	
			<i>For &gt;75 To 100, Deduct</i>	-2.49	
			<i>For &gt;100 To 200, Deduct</i>	-5.44	
			<i>For &gt;200, Deduct</i>	-7.92	
07 54 23 00-0012	SQ		Acrylic Elastomeric, Surface Or Base Coating For TPO Roofing, Price Per Coat.....	54.44	
			Note: 55% solids by volume.		
			<i>For Up To 10, Add</i>	14.62	
			<i>For &gt;10 To 20, Add</i>	8.24	
			<i>For &gt;20 To 40, Add</i>	4.59	
			<i>For &gt;75 To 100, Deduct</i>	-2.29	
			<i>For &gt;100 To 200, Deduct</i>	-5.06	
			<i>For &gt;200, Deduct</i>	-7.35	
			<i>For Tan Or Gray Color, Add</i>	1.79	
07 54 23 00-0013	EA		Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin Pipe Cone/Boot.....	47.27	7.93
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0014	EA		>3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin Pipe Cone/Boot.....	51.13	8.87
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0015	EA		6" Diameter, Prefabricated TPO Penetration Pocket.....	91.61	9.80
			Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 23 00-0016	LF		30" Wide, TPO Walkway Protection Pad.....	22.42	5.42
07 54 23 00-0017	SF		Thermoplastic Polyolefin Membrane Base Flashing.....	6.22	1.40
07 54 23 00-0018	SF		Thermoplastic Polyolefin Curb Flashing.....	5.67	1.40
			<i>For Tan Or Gray Color, Add</i>	0.07	
07 54 23 00-0019	SF		Thermoplastic Polyolefin Clad Edge Metal Or Base Flashing.....	8.89	1.40
			Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.		

07 56 Fluid-Applied Roofing (07 50)

07 56 00 00-0001 Neoprene Hypalon Liquid Roofing, 5 Coats (07 56)

07 56 00 00-0002	SQ		60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing.....	892.68	124.16
			<i>For Each Additional Coat, Add</i>	133.90	

07 56 00 00-0003 Vinyl Spray Liquid Roofing (07 56)

07 56 00 00-0004	SQ		2 Mil Vinyl Liquid Roofing.....	1,008.64	130.86
07 56 00 00-0005	SQ		4 Mil Vinyl Liquid Roofing.....	1,128.65	146.13

07 56 00 00-0006 Silicone Elastomeric Liquid Roofing (07 56)

07 56 00 00-0007	SQ		65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat.....	327.24	74.98
07 56 00 00-0008	SQ		65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat.....	399.91	74.98
07 56 00 00-0009	SQ		65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat.....	454.57	74.98

07 56 00 00-0010 Elastomeric Asphalt/Urethane Liquid Roofing Membrane (07 56)

07 56 00 00-0011	SQ		90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane.....	1,421.81	74.98
			Note: Includes applying a 30 mil base coat, rolling in a stitchbonded polyester reinforcing scrim and applying a 60 mil second coat.		

07 56 00 00-0012 Urethane Liquid Roofing Membrane (07 56)

			Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.		
07 56 00 00-0013	SQ		Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	68.73	
07 56 00 00-0014	LF		Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	4.33	
07 56 00 00-0015	SQ		White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....	261.53	
07 56 00 00-0016	SQ		White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System.....	68.60	
07 56 00 00-0017	SQ		White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	640.15	
07 56 00 00-0018	SQ		White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	964.70	
07 56 00 00-0019	SQ		White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	662.15	
07 56 00 00-0020	SQ		White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ).....	173.38	

07 57 Coated Foamed Roofing (07 50)

07 57 13 Sprayed Polyurethane Foam Roofing (07 57)

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.

- 07 57 13 00-0001 Sprayed Polyurethane Foam Roofing Systems (07 57 13)
- 07 57 13 00-0002 Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating (07 57 13 00-0001)
- 07 57 13 00-0003 Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 57 Coated Foamed Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0004	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	321.24	45.37
07 57 13 00-0005	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	387.25	48.61
07 57 13 00-0006	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	453.25	51.85
07 57 13 00-0007	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	598.58	58.33
07 57 13 00-0008	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	717.26	64.81
07 57 13 00-0009	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	849.27	71.29
07 57 13 00-0010	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	981.28	77.77
<b>07 57 13 00-0011</b>			<b>Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating</b> <small>(07 57 13 00-0002)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0012	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	331.61	45.37
07 57 13 00-0013	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	397.62	48.61
07 57 13 00-0014	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	463.62	51.85
07 57 13 00-0015	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	595.62	58.33
07 57 13 00-0016	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	727.63	64.81
07 57 13 00-0017	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	859.64	71.29
07 57 13 00-0018	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	991.64	77.77
<b>07 57 13 00-0019</b>			<b>Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating</b> <small>(07 57 13 00-0002)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0020	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	356.78	45.37
07 57 13 00-0021	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	420.57	48.61
07 57 13 00-0022	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	484.35	51.85
07 57 13 00-0023	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	616.36	58.33
07 57 13 00-0024	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	803.75	64.81
07 57 13 00-0025	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	947.02	71.29
07 57 13 00-0026	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	1,090.28	77.77
<b>07 57 13 00-0027</b>			<b>Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating</b> <small>(07 57 13 00-0001)</small>		
<b>07 57 13 00-0028</b>			<b>Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating</b> <small>(07 57 13 00-0027)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0029	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	364.19	45.37
07 57 13 00-0030	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	435.83	48.61
07 57 13 00-0031	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	507.46	51.85
07 57 13 00-0032	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	650.72	58.33
07 57 13 00-0033	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	793.98	64.81
07 57 13 00-0034	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	937.25	71.29
07 57 13 00-0035	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	1,080.51	77.77
<b>07 57 13 00-0036</b>			<b>Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating</b> <small>(07 57 13 00-0027)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0037	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	378.85	45.37
07 57 13 00-0038	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	450.49	48.61

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0039	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	522.12	51.85
07 57 13 00-0040	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	665.38	58.33
07 57 13 00-0041	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	808.64	64.81
07 57 13 00-0042	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	951.91	71.29
07 57 13 00-0043	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	1,095.17	77.77
<b>07 57 13 00-0044 Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating (07 57 13 00-0027)</b>					
Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.					
07 57 13 00-0045	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	390.26	45.37
07 57 13 00-0046	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	461.90	48.61
07 57 13 00-0047	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	533.53	51.85
07 57 13 00-0048	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	676.79	58.33
07 57 13 00-0049	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	820.05	64.81
07 57 13 00-0050	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	963.32	71.29
07 57 13 00-0051	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	1,106.58	77.77
<b>07 58 Roll Roofing (07 50)</b>					
<b>07 58 00 00-0001 Prepared Roll Roofing (07 58)</b>					
Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.					
07 58 00 00-0002	SQ		Granule Surfaced, 90 LB, Asphalt Saturated Organic Felt Roll Roofing .....	203.83	29.17
<b>07 59 Membrane Roofing Termination Bar (07 50)</b>					
<b>07 59 00 00-0001 Membrane Roofing Termination Bar (07 59)</b>					
07 59 00 00-0002	LF		Membrane Roofing Termination Bar .....	3.95	1.34
Note: Includes fasteners and caulking.					
<b>07 60 Flashing and Sheet Metal (07)</b>					
<b>07 61 Sheet Metal Roofing (07 60)</b>					
<b>07 61 13 Standing Seam Sheet Metal Roofing (07 61)</b>					
<b>07 61 13 00-0001 Standing Seam Concealed Fastener Roofing (07 61 13)</b>					
<b>07 61 13 00-0002 Copper Standing Seam Concealed Fastener Roofing (07 61 13 00-0001)</b>					
07 61 13 00-0003	SF		Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing .....	18.75	3.61
			For Steep Roof, Over 6 To 12, Add	2.16	
			For 140 MPH Wind Load, Add	0.95	
			For Panels <16" Wide, Add	2.27	
			For Up To 1,500, Add	4.69	
			For >1,500 To 5,000, Add	2.81	
			For >5,000 To 10,000, Add	0.47	
07 61 13 00-0004	SF		Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing .....	20.48	3.91
			For Steep Roof, Over 6 To 12, Add	2.34	
			For 140 MPH Wind Load, Add	1.03	
			For Panels <16" Wide, Add	2.47	
			For Up To 1,500, Add	5.12	
			For >1,500 To 5,000, Add	3.07	
			For >5,000 To 10,000, Add	0.51	
07 61 13 00-0005	SF		Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing .....	23.72	4.25
			For Steep Roof, Over 6 To 12, Add	2.55	
			For 140 MPH Wind Load, Add	1.16	
			For Panels <16" Wide, Add	2.76	
			For Up To 1,500, Add	5.93	
			For >1,500 To 5,000, Add	3.56	
			For >5,000 To 10,000, Add	0.59	
<b>07 61 13 00-0006 Zinc/Copper Standing Seam Concealed Fastener Roofing (07 61 13 00-0001)</b>					
07 61 13 00-0007	SF		0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing .....	21.55	3.91
			For Steep Roof, Over 6 To 12, Add	2.34	
			For 140 MPH Wind Load, Add	1.06	
			For Panels <16" Wide, Add	2.52	
			For Up To 1,500, Add	5.39	
			For >1,500 To 5,000, Add	3.23	
			For >5,000 To 10,000, Add	0.54	
			For Tin/Copper, Deduct	-0.28	

**07 Thermal And Moisture Protection****07 60 Flashing and Sheet Metal****07 61 Sheet Metal Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 13 00-0008	SF		0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing .....	25.32	4.07
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.44	
			<i>For 140 MPH Wind Load, Add</i>	1.16	
			<i>For Panels &lt;16" Wide, Add</i>	2.77	
			<i>For Up To 1,500, Add</i>	6.33	
			<i>For &gt;1,500 To 5,000, Add</i>	3.80	
			<i>For &gt;5,000 To 10,000, Add</i>	0.63	
			<i>For Tin/Copper, Deduct</i>	-0.34	
07 61 13 00-0009	SF		0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing .....	28.34	4.25
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.55	
			<i>For 140 MPH Wind Load, Add</i>	1.25	
			<i>For Panels &lt;16" Wide, Add</i>	2.99	
			<i>For Up To 1,500, Add</i>	7.09	
			<i>For &gt;1,500 To 5,000, Add</i>	4.25	
			<i>For &gt;5,000 To 10,000, Add</i>	0.71	
			<i>For Tin/Copper, Deduct</i>	-0.40	
07 61 13 00-0010	SF		0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing .....	34.49	4.46
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.67	
			<i>For 140 MPH Wind Load, Add</i>	1.40	
			<i>For Panels &lt;16" Wide, Add</i>	3.37	
			<i>For Up To 1,500, Add</i>	8.62	
			<i>For &gt;1,500 To 5,000, Add</i>	5.17	
			<i>For &gt;5,000 To 10,000, Add</i>	0.86	
			<i>For Tin/Copper, Deduct</i>	-0.51	
<b>07 61 13 00-0011</b>			<b>Accessories For Copper Standing Seam Concealed Fastener Roofing (07 61 13 00-0001)</b>		
07 61 13 00-0012	LF		Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing .....	71.80	7.44
			<i>For Steep Roof, Over 6 To 12, Add</i>	5.58	
			<i>For 140 MPH Wind Load, Add</i>	2.92	
07 61 13 00-0013	LF		Eave Flashing For Copper Standing Seam Concealed Fastener Roofing .....	46.04	7.44
			<i>For Steep Roof, Over 6 To 12, Add</i>	5.58	
			<i>For 140 MPH Wind Load, Add</i>	2.41	
07 61 13 00-0014	LF		Valley Flashing For Copper Standing Seam Concealed Fastener Roofing .....	96.16	7.44
			<i>For Steep Roof, Over 6 To 12, Add</i>	5.58	
			<i>For 140 MPH Wind Load, Add</i>	3.41	
07 61 13 00-0015	LF		Hip Flashing For Copper Standing Seam Concealed Fastener Roofing .....	73.73	7.44
			<i>For Steep Roof, Over 6 To 12, Add</i>	5.58	
			<i>For 140 MPH Wind Load, Add</i>	2.96	
<b>07 61 16 Batten Seam Sheet Metal Roofing (07 61)</b>					
<b>07 61 16 00-0001</b>			<b>Copper Batten Seam Concealed Fastener Roofing (07 61 16)</b>		
<b>07 61 16 00-0002</b>			<b>Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)</b>		
07 61 16 00-0003	SF		16 Ounce Copper Batten Seam Concealed Fastener Roofing .....	22.88	4.25
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.55	
			<i>For 140 MPH Wind Load, Add</i>	1.14	
			<i>For Panels &lt;16" Wide, Add</i>	2.72	
			<i>For Up To 1,500, Add</i>	5.72	
			<i>For &gt;1,500 To 5,000, Add</i>	3.43	
			<i>For &gt;5,000 To 10,000, Add</i>	0.57	
07 61 16 00-0004	SF		18 Ounce Copper Batten Seam Concealed Fastener Roofing .....	25.00	4.47
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.68	
			<i>For 140 MPH Wind Load, Add</i>	1.22	
			<i>For Panels &lt;16" Wide, Add</i>	2.90	
			<i>For Up To 1,500, Add</i>	6.25	
			<i>For &gt;1,500 To 5,000, Add</i>	3.75	
			<i>For &gt;5,000 To 10,000, Add</i>	0.63	
07 61 16 00-0005	SF		20 Ounce Copper Batten Seam Concealed Fastener Roofing .....	28.53	4.68
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.81	
			<i>For 140 MPH Wind Load, Add</i>	1.32	
			<i>For Panels &lt;16" Wide, Add</i>	3.16	
			<i>For Up To 1,500, Add</i>	7.13	
			<i>For &gt;1,500 To 5,000, Add</i>	4.28	
			<i>For &gt;5,000 To 10,000, Add</i>	0.71	
<b>07 61 16 00-0006</b>			<b>Zinc/Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)</b>		
07 61 16 00-0007	SF		0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing .....	22.73	3.91
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.34	
			<i>For 140 MPH Wind Load, Add</i>	1.08	
			<i>For Panels &lt;16" Wide, Add</i>	2.58	
			<i>For Up To 1,500, Add</i>	5.68	
			<i>For &gt;1,500 To 5,000, Add</i>	3.41	
			<i>For &gt;5,000 To 10,000, Add</i>	0.57	
			<i>For Tin/Copper, Deduct</i>	-0.30	
07 61 16 00-0008	SF		0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing .....	27.02	4.07
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.45	
			<i>For 140 MPH Wind Load, Add</i>	1.19	
			<i>For Panels &lt;16" Wide, Add</i>	2.86	
			<i>For Up To 1,500, Add</i>	6.76	
			<i>For &gt;1,500 To 5,000, Add</i>	4.05	
			<i>For &gt;5,000 To 10,000, Add</i>	0.68	
			<i>For Tin/Copper, Deduct</i>	-0.38	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 16 00-0009	SF		0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add For Tin/Copper, Deduct	29.92 2.55 1.28 3.07 7.48 4.49 0.75 -0.43	4.25
07 61 16 00-0010	SF		0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add For Tin/Copper, Deduct	36.52 2.67 1.44 3.47 9.13 5.48 0.91 -0.55	4.46
<b>07 61 19 Flat Seam Sheet Metal Roofing (07 61)</b>					
<b>07 61 19 00-0001 Copper Flat Seam Concealed Fastener Roofing (07 61 19)</b>					
<b>07 61 19 00-0002 Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)</b>					
07 61 19 00-0003	SF		16 Ounce Copper Flat Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add	18.39 2.34 0.99 2.36 4.60 2.76 0.46	3.91
07 61 19 00-0004	SF		18 Ounce Copper Flat Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add	19.98 2.45 1.05 2.51 5.00 3.00 0.50	4.07
07 61 19 00-0005	SF		20 Ounce Copper Flat Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add	22.59 2.55 1.13 2.70 5.65 3.39 0.56	4.25
<b>07 61 19 00-0006 Zinc/Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)</b>					
07 61 19 00-0007	SF		0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add For Tin/Copper, Deduct	20.48 2.34 1.03 2.47 5.12 3.07 0.51 -0.25	3.91
07 61 19 00-0008	SF		0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add For Tin/Copper, Deduct	24.21 2.45 1.14 2.72 6.05 3.63 0.61 -0.32	4.07
07 61 19 00-0009	SF		0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add For Tin/Copper, Deduct	26.82 2.55 1.22 2.92 6.71 4.02 0.67 -0.37	4.25
07 61 19 00-0010	SF		0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add For Tin/Copper, Deduct	32.57 2.67 1.36 3.28 8.14 4.89 0.81 -0.47	4.46
<b>07 62 Sheet Metal Flashing and Trim (07 60)</b>					
<b>07 62 13 Fabricated Copings (07 62)</b>					
<b>07 62 13 00-0001 Lead Flashing And Trim (07 62 13)</b>					
07 62 13 00-0002	SF		2.5 LB/SF Sheet Lead Flashing..... For Up To 100, Add	20.21 5.05	6.28
07 62 13 00-0003	SF		4 LB/SF Sheet Lead Flashing..... For Up To 100, Add	25.25 6.31	6.28

## 07 Thermal And Moisture Protection

## 07 60 Flashing and Sheet Metal

## 07 62 Sheet Metal Flashing and Trim

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 62 13 00-0004	Copper Flashing And Trim <small>(07 62 13)</small>		
07 62 13 00-0005	Copper Flashing And Trim <small>(07 62 13 00-0004)</small>		
07 62 13 00-0006	SF 16 Ounce, 0.021" Thick, Copper Flashing And Trim .....24.29		6.13
	For Up To 100, Add	6.07	
	For >500 To 2,000, Deduct	-3.40	
	For >2,000, Deduct	-4.01	
	For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	2.43	
	For Wrap Around Window Panning, Add	12.13	
07 62 13 00-0007	SF 20 Ounce, 0.027" Thick, Copper Flashing And Trim .....25.13		6.28
	For Up To 100, Add	6.28	
	For >500 To 2,000, Deduct	-3.52	
	For >2,000, Deduct	-4.14	
	For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	2.53	
	For Wrap Around Window Panning, Add	12.67	
07 62 13 00-0008	SF 24 Ounce, 0.032" Thick, Copper Flashing And Trim .....28.23		6.69
	For Up To 100, Add	7.06	
	For >500 To 2,000, Deduct	-3.94	
	For >2,000, Deduct	-4.68	
	For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	2.66	
	For Wrap Around Window Panning, Add	13.28	
07 62 13 00-0009	SF 32 Ounce, 0.043" Thick, Copper Flashing And Trim .....33.88		6.97
	For Up To 100, Add	8.47	
	For >500 To 2,000, Deduct	-4.68	
	For >2,000, Deduct	-5.68	
	For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	2.79	
	For Wrap Around Window Panning, Add	13.94	
07 62 13 00-0010	Stainless Steel Flashing And Trim <small>(07 62 13)</small>		
07 62 13 00-0011	Stainless Steel Flashing And Trim <small>(07 62 13 00-0010)</small>		
07 62 13 00-0012	SF 32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim .....11.06		3.35
	For Up To 100, Add	2.77	
	For Wrap Around Window Panning, Add	8.61	
	For Mechanically Keyed Flashing, Add	0.98	
07 62 13 00-0013	SF 30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim .....11.81		3.76
	For Up To 100, Add	2.95	
	For Wrap Around Window Panning, Add	8.75	
	For Mechanically Keyed Flashing, Add	1.22	
07 62 13 00-0014	SF 28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim .....12.56		4.18
	For Up To 100, Add	3.14	
	For Wrap Around Window Panning, Add	8.89	
	For Mechanically Keyed Flashing, Add	1.47	
07 62 13 00-0015	SF 26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim .....13.76		4.60
	For Up To 100, Add	3.44	
	For Wrap Around Window Panning, Add	9.17	
	For Mechanically Keyed Flashing, Add	1.84	
07 62 13 00-0016	SF 24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim .....15.80		4.88
	For Up To 100, Add	3.95	
	For Wrap Around Window Panning, Add	9.69	
	For Mechanically Keyed Flashing, Add	2.44	
07 62 13 00-0017	SF 22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim .....17.15		5.12
	For Up To 100, Add	4.29	
	For Wrap Around Window Panning, Add	10.25	
	For Mechanically Keyed Flashing, Add	2.76	
07 62 13 00-0018	SF 20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim .....18.33		5.44
	For Up To 100, Add	4.58	
	For Wrap Around Window Panning, Add	10.85	
	For Mechanically Keyed Flashing, Add	2.99	
07 62 13 00-0019	Aluminum Flashing And Trim <small>(07 62 13)</small>		
07 62 13 00-0020	Aluminum Flashing And Trim <small>(07 62 13 00-0019)</small>		
07 62 13 00-0021	SF 0.013" Thick, Mill Finish, Aluminum Flashing And Trim .....12.50		4.32
	For Up To 100, Add	3.13	
	For Baked Aluminum Colors, Add	0.29	
	For Wrap Around Window Panning, Add	9.61	
07 62 13 00-0022	SF 0.016" Thick, Mill Finish, Aluminum Flashing And Trim .....13.14		4.32
	For Up To 100, Add	3.29	
	For Baked Aluminum Colors, Add	0.35	
	For Wrap Around Window Panning, Add	9.61	
07 62 13 00-0023	SF 0.019" Thick, Mill Finish, Aluminum Flashing And Trim .....13.63		4.32
	For Up To 100, Add	3.41	
	For Baked Aluminum Colors, Add	0.40	
	For Wrap Around Window Panning, Add	9.61	
07 62 13 00-0024	SF 0.024" Thick, Mill Finish, Aluminum Flashing And Trim .....14.36		4.32
	For Up To 100, Add	3.59	
	For Baked Aluminum Colors, Add	0.48	
	For Wrap Around Window Panning, Add	9.61	
07 62 13 00-0025	SF 0.032" Thick, Mill Finish, Aluminum Flashing And Trim .....15.37		4.32
	For Up To 100, Add	3.84	
	For Baked Aluminum Colors, Add	0.58	
	For Wrap Around Window Panning, Add	9.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0026	SF		0.040" Thick, Mill Finish, Aluminum Flashing And Trim ..... <i>For Up To 100, Add</i> <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	15.99 4.00 0.64 9.61	4.32
07 62 13 00-0027	SF		0.050" Thick, Mill Finish, Aluminum Flashing And Trim ..... <i>For Up To 100, Add</i> <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	16.50 4.13 0.69 9.61	4.32
07 62 13 00-0028			<b>Steel Flashing And Trim</b> (07 62 13)		
07 62 13 00-0029			<b>Galvanized Steel Flashing And Trim</b> (07 62 13 00-0028)		
07 62 13 00-0030	SF		28 Gauge, 0.019" Thick, Galvanized Steel Flashing ..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i>	13.84 3.46 8.89	4.18
07 62 13 00-0031	SF		26 Gauge, 0.022" Thick, Galvanized Steel Flashing ..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i>	14.39 3.60 9.17	4.60
07 62 13 00-0032	SF		24 Gauge, 0.028" Thick, Galvanized Steel Flashing ..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i>	15.32 3.83 9.69	4.88
07 62 13 00-0033	SF		22 Gauge, 0.034" Thick, Galvanized Steel Flashing ..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i>	16.29 4.07 10.25	5.12
07 62 13 00-0034	SF		20 Gauge, 0.04" Thick, Galvanized Steel Flashing ..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i>	17.61 4.40 10.85	5.44
07 62 19			<b>Fabricated Gravel Stops and Fasciae</b> (07 62)		
07 62 19 00-0001			<b>Aluminum Drip Edge</b> (07 62 19) Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0002			<b>KYNAR 500® Finish, Aluminum Drip Edge</b> (07 62 19 00-0001)		
07 62 19 00-0003			<b>0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> (07 62 19 00-0002)		
07 62 19 00-0004	LF		Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	4.59	0.97
07 62 19 00-0005	LF		>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	5.54	0.97
07 62 19 00-0006	LF		>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	6.11	0.97
07 62 19 00-0007	LF		>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	7.23	0.97
07 62 19 00-0008	LF		>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	9.24	0.97
07 62 19 00-0009			<b>0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> (07 62 19 00-0002)		
07 62 19 00-0010	LF		Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	4.91	0.97
07 62 19 00-0011	LF		>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	5.90	0.97
07 62 19 00-0012	LF		>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	6.64	0.97
07 62 19 00-0013	LF		>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	7.87	0.97
07 62 19 00-0014	LF		>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	9.84	0.97
07 62 19 00-0015			<b>0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> (07 62 19 00-0002)		
07 62 19 00-0016	LF		Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	5.23	0.97
07 62 19 00-0017	LF		>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	6.32	0.97
07 62 19 00-0018	LF		>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	7.15	0.97
07 62 19 00-0019	LF		>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	8.50	0.97
07 62 19 00-0020	LF		>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	10.69	0.97
07 62 19 00-0021			<b>0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> (07 62 19 00-0002)		
07 62 19 00-0022	LF		Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	5.86	0.97
07 62 19 00-0023	LF		>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	7.16	0.97
07 62 19 00-0024	LF		>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	8.15	0.97
07 62 19 00-0025	LF		>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	9.77	0.97
07 62 19 00-0026	LF		>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	12.38	0.97
07 62 19 00-0027			<b>0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> (07 62 19 00-0002)		
07 62 19 00-0028	LF		Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	6.07	0.97
07 62 19 00-0029	LF		>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	7.48	0.97
07 62 19 00-0030	LF		>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	8.49	0.97
07 62 19 00-0031	LF		>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	10.19	0.97
07 62 19 00-0032	LF		>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	12.94	0.97
07 62 19 00-0033			<b>0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> (07 62 19 00-0002)		
07 62 19 00-0034	LF		Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	6.81	0.97
07 62 19 00-0035	LF		>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	8.43	0.97
07 62 19 00-0036	LF		>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	9.65	0.97
07 62 19 00-0037	LF		>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	11.67	0.97
07 62 19 00-0038	LF		>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	14.91	0.97
07 62 19 00-0039			<b>0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> (07 62 19 00-0002)		

**07 Thermal And Moisture Protection****07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 62 19 00-0040	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	7.87	0.97
07 62 19 00-0041	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	9.84	0.97
07 62 19 00-0042	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	11.32	0.97
07 62 19 00-0043	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	13.79	0.97
07 62 19 00-0044	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	17.73	0.97
<b>07 62 19 00-0045</b>		<b>0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0002)</small>		
07 62 19 00-0046	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	9.14	0.97
07 62 19 00-0047	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	11.53	0.97
07 62 19 00-0048	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	13.33	0.97
07 62 19 00-0049	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	16.32	0.97
07 62 19 00-0050	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	21.11	0.97
<b>07 62 19 00-0051</b>		<b>Mill Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0001)</small>		
<b>07 62 19 00-0052</b>		<b>0.016" Thick, Mill Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0051)</small>		
07 62 19 00-0053	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge .....	3.77	0.97
07 62 19 00-0054	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge .....	4.43	0.97
07 62 19 00-0055	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge .....	4.82	0.97
07 62 19 00-0056	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge .....	5.59	0.97
07 62 19 00-0057	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge .....	6.98	0.97
<b>07 62 19 00-0058</b>		<b>0.019" Thick, Mill Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0051)</small>		
07 62 19 00-0059	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge .....	3.99	0.97
07 62 19 00-0060	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge .....	4.67	0.97
07 62 19 00-0061	LF	>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge .....	5.18	0.97
07 62 19 00-0062	LF	>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge .....	6.03	0.97
07 62 19 00-0063	LF	>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge .....	7.39	0.97
<b>07 62 19 00-0064</b>		<b>0.025" Thick, Mill Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0051)</small>		
07 62 19 00-0065	LF	Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge .....	4.21	0.97
07 62 19 00-0066	LF	>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge .....	4.96	0.97
07 62 19 00-0067	LF	>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge .....	5.53	0.97
07 62 19 00-0068	LF	>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge .....	6.47	0.97
07 62 19 00-0069	LF	>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge .....	7.98	0.97
<b>07 62 19 00-0070</b>		<b>0.032" Thick, Mill Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0051)</small>		
07 62 19 00-0071	LF	Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge .....	4.65	0.97
07 62 19 00-0072	LF	>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge .....	5.55	0.97
07 62 19 00-0073	LF	>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge .....	6.23	0.97
07 62 19 00-0074	LF	>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge .....	7.34	0.97
07 62 19 00-0075	LF	>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge .....	9.14	0.97
<b>07 62 19 00-0076</b>		<b>0.040" Thick, Mill Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0051)</small>		
07 62 19 00-0077	LF	Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge .....	4.79	0.97
07 62 19 00-0078	LF	>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge .....	5.76	0.97
07 62 19 00-0079	LF	>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge .....	6.46	0.97
07 62 19 00-0080	LF	>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge .....	7.64	0.97
07 62 19 00-0081	LF	>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge .....	9.53	0.97
<b>07 62 19 00-0082</b>		<b>0.050" Thick, Mill Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0051)</small>		
07 62 19 00-0083	LF	Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge .....	5.30	0.97
07 62 19 00-0084	LF	>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge .....	6.42	0.97
07 62 19 00-0085	LF	>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge .....	7.26	0.97
07 62 19 00-0086	LF	>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge .....	8.66	0.97
07 62 19 00-0087	LF	>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge .....	10.89	0.97
<b>07 62 19 00-0088</b>		<b>0.063" Thick, Mill Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0051)</small>		
07 62 19 00-0089	LF	Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge .....	6.03	0.97
07 62 19 00-0090	LF	>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge .....	7.39	0.97
07 62 19 00-0091	LF	>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge .....	8.41	0.97
07 62 19 00-0092	LF	>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge .....	10.11	0.97
07 62 19 00-0093	LF	>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge .....	12.83	0.97
<b>07 62 19 00-0094</b>		<b>0.080" Thick, Mill Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0051)</small>		
07 62 19 00-0095	LF	Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge .....	6.91	0.97
07 62 19 00-0096	LF	>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge .....	8.56	0.97
07 62 19 00-0097	LF	>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge .....	9.80	0.97
07 62 19 00-0098	LF	>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge .....	11.86	0.97
07 62 19 00-0099	LF	>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge .....	15.17	0.97
<b>07 62 19 00-0100</b>		<b>Clear Anodized Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0001)</small>		
<b>07 62 19 00-0101</b>		<b>0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge</b> <small>(07 62 19 00-0100)</small>		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 62 19 00-0102	LF		Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.75	0.97
	07 62 19 00-0103	LF		>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.76	0.97
	07 62 19 00-0104	LF		>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.36	0.97
	07 62 19 00-0105	LF		>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.55	0.97
	07 62 19 00-0106	LF		>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.68	0.97
<b>07 62 19 00-0107</b>				<b>0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge</b> (07 62 19 00-0100)		
	07 62 19 00-0108	LF		Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.09	0.97
	07 62 19 00-0109	LF		>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.13	0.97
	07 62 19 00-0110	LF		>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.92	0.97
	07 62 19 00-0111	LF		>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.22	0.97
	07 62 19 00-0112	LF		>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	10.31	0.97
<b>07 62 19 00-0113</b>				<b>0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge</b> (07 62 19 00-0100)		
	07 62 19 00-0114	LF		Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.42	0.97
	07 62 19 00-0115	LF		>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.58	0.97
	07 62 19 00-0116	LF		>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.46	0.97
	07 62 19 00-0117	LF		>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.90	0.97
	07 62 19 00-0118	LF		>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	11.21	0.97
<b>07 62 19 00-0119</b>				<b>0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge</b> (07 62 19 00-0100)		
	07 62 19 00-0120	LF		Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.09	0.97
	07 62 19 00-0121	LF		>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.48	0.97
	07 62 19 00-0122	LF		>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.52	0.97
	07 62 19 00-0123	LF		>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	10.24	0.97
	07 62 19 00-0124	LF		>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	13.00	0.97
<b>07 62 19 00-0125</b>				<b>0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge</b> (07 62 19 00-0100)		
	07 62 19 00-0126	LF		Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.32	0.97
	07 62 19 00-0127	LF		>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.81	0.97
	07 62 19 00-0128	LF		>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.88	0.97
	07 62 19 00-0129	LF		>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	10.69	0.97
	07 62 19 00-0130	LF		>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	13.60	0.97
<b>07 62 19 00-0131</b>				<b>0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge</b> (07 62 19 00-0100)		
	07 62 19 00-0132	LF		Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.10	0.97
	07 62 19 00-0133	LF		>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.82	0.97
	07 62 19 00-0134	LF		>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	10.11	0.97
	07 62 19 00-0135	LF		>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	12.26	0.97
	07 62 19 00-0136	LF		>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	15.69	0.97
<b>07 62 19 00-0137</b>				<b>0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge</b> (07 62 19 00-0100)		
	07 62 19 00-0138	LF		Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.22	0.97
	07 62 19 00-0139	LF		>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	10.31	0.97
	07 62 19 00-0140	LF		>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	11.88	0.97
	07 62 19 00-0141	LF		>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	14.50	0.97
	07 62 19 00-0142	LF		>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	18.68	0.97
<b>07 62 19 00-0143</b>				<b>0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge</b> (07 62 19 00-0100)		
	07 62 19 00-0144	LF		Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.57	0.97
	07 62 19 00-0145	LF		>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	12.11	0.97
	07 62 19 00-0146	LF		>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	14.01	0.97
	07 62 19 00-0147	LF		>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	17.19	0.97
	07 62 19 00-0148	LF		>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	22.26	0.97
<b>07 62 19 00-0149</b>				<b>Galvanized Steel Drip Edge</b> (07 62 19)		
				Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
<b>07 62 19 00-0150</b>				<b>Galvanized Steel Drip Edge</b> (07 62 19 00-0149)		
<b>07 62 19 00-0151</b>				<b>26 Gauge, Galvanized Steel Drip Edge</b> (07 62 19 00-0150)		
	07 62 19 00-0152	LF		Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	4.80	0.97
	07 62 19 00-0153	LF		>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	5.77	0.97
	07 62 19 00-0154	LF		>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	6.47	0.97
	07 62 19 00-0155	LF		>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	7.65	0.97
	07 62 19 00-0156	LF		>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	9.55	0.97
<b>07 62 19 00-0157</b>				<b>24 Gauge, Galvanized Steel Drip Edge</b> (07 62 19 00-0150)		
	07 62 19 00-0158	LF		Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	5.23	0.97
	07 62 19 00-0159	LF		>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	6.35	0.97
	07 62 19 00-0160	LF		>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	7.14	0.97
	07 62 19 00-0161	LF		>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	8.51	0.97
	07 62 19 00-0162	LF		>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	10.68	0.97

**07 Thermal And Moisture Protection****07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 62 19 00-0163	KYNAR 500® Finish, Galvanized Steel Drip Edge <small>(07 62 19 00-0149)</small>		
07 62 19 00-0164	26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge <small>(07 62 19 00-0163)</small>		
07 62 19 00-0165	LF Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge .....	6.08	0.97
07 62 19 00-0166	LF >5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge .....	7.49	0.97
07 62 19 00-0167	LF >7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge .....	8.50	0.97
07 62 19 00-0168	LF >9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge .....	10.21	0.97
07 62 19 00-0169	LF >12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	12.96	0.97
07 62 19 00-0170	24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge <small>(07 62 19 00-0163)</small>		
07 62 19 00-0171	LF Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge .....	6.70	0.97
07 62 19 00-0172	LF >5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge .....	8.32	0.97
07 62 19 00-0173	LF >7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge .....	9.48	0.97
07 62 19 00-0174	LF >9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge .....	11.45	0.97
07 62 19 00-0175	LF >12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	14.62	0.97
07 62 19 00-0176	Stainless Steel Drip Edge <small>(07 62 19)</small>		
	Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0177	26 Gauge, Stainless Steel Drip Edge <small>(07 62 19 00-0176)</small>		
07 62 19 00-0178	LF Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge .....	5.42	0.97
07 62 19 00-0179	LF >5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge .....	6.58	0.97
07 62 19 00-0180	LF >7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge .....	7.45	0.97
07 62 19 00-0181	LF >9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge .....	8.89	0.97
07 62 19 00-0182	LF >12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge .....	11.21	0.97
07 62 19 00-0183	24 Gauge, Stainless Steel Drip Edge <small>(07 62 19 00-0176)</small>		
07 62 19 00-0184	LF Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge .....	6.52	0.97
07 62 19 00-0185	LF >5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge .....	8.04	0.97
07 62 19 00-0186	LF >7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge .....	9.18	0.97
07 62 19 00-0187	LF >9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge .....	11.08	0.97
07 62 19 00-0188	LF >12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge .....	14.12	0.97
07 62 19 00-0189	22 Gauge, Stainless Steel Drip Edge <small>(07 62 19 00-0176)</small>		
07 62 19 00-0190	LF Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge .....	7.80	0.97
07 62 19 00-0191	LF >5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge .....	9.75	0.97
07 62 19 00-0192	LF >7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge .....	11.22	0.97
07 62 19 00-0193	LF >9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge .....	13.65	0.97
07 62 19 00-0194	LF >12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge .....	17.55	0.97
07 63	Sheet Metal Roofing Specialties <small>(07 60)</small>		
07 63 00 00-0001	Pitch Pockets <small>(07 63)</small>		
	Note: Cut into deck, filled with non-shrink grout, includes blocking.		
07 63 00 00-0002	24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets <small>(07 63 00 00-0001)</small>		
07 63 00 00-0003	EA 4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	79.14	
	For Pourable Sealer Filled, Add	27.16	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	13.59	
07 63 00 00-0004	EA 6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	92.90	
	For Pourable Sealer Filled, Add	61.15	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	30.66	
07 63 00 00-0005	EA 8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	110.99	
	For Pourable Sealer Filled, Add	108.66	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	54.20	
07 63 00 00-0006	EA 8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	121.88	
	For Pourable Sealer Filled, Add	135.82	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	68.13	
07 63 00 00-0007	EA 8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	131.76	
	For Pourable Sealer Filled, Add	162.98	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	81.50	
07 63 00 00-0008	SF 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket .....	152.79	
	For Pourable Sealer Filled, Add	244.48	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	121.49	
07 63 00 00-0009	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets <small>(07 63 00 00-0001)</small>		
07 63 00 00-0010	EA 4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket .....	96.53	
	For Pourable Sealer Filled, Add	27.16	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	13.59	
07 63 00 00-0011	EA 6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket .....	113.38	
	For Pourable Sealer Filled, Add	61.15	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	30.66	
07 63 00 00-0012	EA 8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket .....	135.17	
	For Pourable Sealer Filled, Add	108.66	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	54.20	
07 63 00 00-0013	EA 8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket .....	149.75	
	For Pourable Sealer Filled, Add	135.82	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	68.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 63 00 00-0014	EA	8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket		160.18	
		<i>For Pourable Sealer Filled, Add</i>		162.98	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>		81.50	
07 63 00 00-0015	SF	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket		182.93	
		<i>For Pourable Sealer Filled, Add</i>		244.48	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>		121.49	

**07 63 00 00-0016 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets** (07 63 00 00-0001)

07 63 00 00-0017	EA	4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket		98.85	
		<i>For Pourable Sealer Filled, Add</i>		27.16	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>		13.59	
07 63 00 00-0018	EA	6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket		115.20	
		<i>For Pourable Sealer Filled, Add</i>		61.15	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>		30.66	
07 63 00 00-0019	EA	8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket		131.48	
		<i>For Pourable Sealer Filled, Add</i>		108.66	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>		54.20	
07 63 00 00-0020	EA	8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket		142.05	
		<i>For Pourable Sealer Filled, Add</i>		135.82	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>		68.13	
07 63 00 00-0021	EA	8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket		151.53	
		<i>For Pourable Sealer Filled, Add</i>		162.98	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>		81.50	
07 63 00 00-0022	SF	24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket		171.44	
		<i>For Pourable Sealer Filled, Add</i>		244.48	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>		121.49	

**07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout** (07 63 00 00-0001)

Note: Includes removing existing filler and refilling with non-shrink grout.

07 63 00 00-0024	EA	Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout		63.49	
		<i>For Pourable Sealer Filled, Add</i>		27.16	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>		13.59	
07 63 00 00-0025	EA	Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout		71.86	
		<i>For Pourable Sealer Filled, Add</i>		61.15	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>		30.66	
07 63 00 00-0026	EA	Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout		82.87	
		<i>For Pourable Sealer Filled, Add</i>		108.66	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>		54.20	
07 63 00 00-0027	EA	Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout		89.98	
		<i>For Pourable Sealer Filled, Add</i>		135.82	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>		68.13	
07 63 00 00-0028	EA	Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout		97.08	
		<i>For Pourable Sealer Filled, Add</i>		162.98	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>		81.50	
07 63 00 00-0029	SF	Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout		114.52	
		<i>For Pourable Sealer Filled, Add</i>		244.48	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>		121.49	

**07 63 00 00-0030 Lead Pipe Flashing For Roofs** (07 63)

Note: Includes 6" skirt base.

07 63 00 00-0031	EA	1-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3/4" Pipe		85.78	26.76
07 63 00 00-0032	EA	1-1/2" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 1" Pipe		85.78	26.76
07 63 00 00-0033	EA	2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe		103.86	26.76
07 63 00 00-0034	EA	3-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3" Pipe		114.19	26.76
07 63 00 00-0035	EA	4-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe		119.36	26.76
07 63 00 00-0036	EA	4-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 4" Pipe		121.94	26.76
07 63 00 00-0037	EA	6-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 6" Pipe		147.77	26.76
07 63 00 00-0038	EA	8-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 8" Pipe		159.39	26.76

**07 63 00 00-0039 Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing** (07 63)

07 63 00 00-0040	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing		63.35	17.29
07 63 00 00-0041	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing		63.95	17.29
07 63 00 00-0042	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing		66.14	17.29
07 63 00 00-0043	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing		68.03	17.29

**07 65 Flexible Flashing** (07 60)

**07 65 16 Modified Bituminous Sheet Flashing** (07 65)

07 65 16 00-0001	Liquid Flashing System For Modified And BUR Systems				
		<small>See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.</small>			
07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing		11.52	1.87
		<small>Note: Includes applying a 30 mil base coat, rolling in a stitchbonded polyester reinforcing scrim and applying a 30 mil second coat.</small>			

**07 65 19 Plastic Sheet Flashing** (07 65)

07 65 19 00-0001	Plastic Flashing And Trim				
		<small>(07 65 19)</small>			
07 65 19 00-0002	Neoprene Flashing				
		<small>(07 65 19 00-0001)</small>			

**07 Thermal And Moisture Protection****07 60 Flashing and Sheet Metal****07 65 Flexible Flashing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 65 19 00-0003		60 Mil Neoprene Flashing <small>(07 65 19 00-0002)</small>		
07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing.....	7.83	2.62
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing.....	10.15	2.82
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing.....	12.76	3.11
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing.....	15.54	3.50

**07 65 33 Flexible Roof Boot (07 65)**

07 65 33 00-0001		Neoprene Roof Boot <small>(07 65 33)</small>		
07 65 33 00-0002	EA	2" Diameter Pipe, Neoprene Roof Boot.....	35.42	8.07
07 65 33 00-0003	EA	3" Diameter Pipe, Neoprene Roof Boot.....	41.42	9.04
07 65 33 00-0004	EA	4" Diameter Pipe, Neoprene Roof Boot.....	45.84	9.73

**07 70 Roof and Wall Specialties and Accessories (07)****07 71 Roof Specialties (07 70)****07 71 13 Manufactured Copings (07 71)**

07 71 13 00-0001		Galvanized Steel Copings <small>(07 71 13)</small>		
07 71 13 00-0002		<b>KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0001)</small></b>		
Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.				
07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats.....	24.31	2.10
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats.....	25.67	2.27
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats.....	29.21	2.39
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats.....	33.86	2.62
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats.....	40.78	2.74

**07 71 13 00-0008 Aluminum Copings (07 71 13)**

07 71 13 00-0009		Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0008)</small>		
Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.				
07 71 13 00-0010		<b>0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0009)</small></b>		
07 71 13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	19.46	2.10
07 71 13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	20.78	2.27
07 71 13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	24.14	2.39
07 71 13 00-0014	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	28.73	2.62
07 71 13 00-0015	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	35.51	2.74

**07 71 13 00-0016 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0009)**

07 71 13 00-0017	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	21.05	2.10
07 71 13 00-0018	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	22.48	2.27
07 71 13 00-0019	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	26.15	2.39
07 71 13 00-0020	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	31.16	2.62
07 71 13 00-0021	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	38.60	2.74

**07 71 13 00-0022 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0009)**

07 71 13 00-0023	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	22.37	2.10
07 71 13 00-0024	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	24.00	2.27
07 71 13 00-0025	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	28.66	2.39
07 71 13 00-0026	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	35.65	2.62
07 71 13 00-0027	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	45.87	2.74

**07 71 13 00-0028 KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0008)**

07 71 13 00-0029		0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>		
Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.				
07 71 13 00-0030	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	26.64	2.10
07 71 13 00-0031	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	28.43	2.27



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0032	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	33.20	2.39
07 71 13 00-0033	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	39.69	2.62
07 71 13 00-0034	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	49.43	2.74
<b>07 71 13 00-0035</b>		<b>0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0028)</small>		
07 71 13 00-0036	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	28.95	2.10
07 71 13 00-0037	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	30.89	2.27
07 71 13 00-0038	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	36.12	2.39
07 71 13 00-0039	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	43.22	2.62
07 71 13 00-0040	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	53.92	2.74
<b>07 71 13 00-0041</b>		<b>0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0028)</small>		
07 71 13 00-0042	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	30.85	2.10
07 71 13 00-0043	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	33.09	2.27
07 71 13 00-0044	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	39.76	2.39
07 71 13 00-0045	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	49.73	2.62
07 71 13 00-0046	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	64.45	2.74
<b>07 71 13 00-0047</b>		<b>Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0008)</small>		
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
<b>07 71 13 00-0048</b>		<b>0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0047)</small>		
07 71 13 00-0049	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	28.03	2.10
07 71 13 00-0050	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	29.91	2.27
07 71 13 00-0051	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	34.96	2.39
07 71 13 00-0052	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	41.80	2.62
07 71 13 00-0053	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	52.12	2.74
<b>07 71 13 00-0054</b>		<b>0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0047)</small>		
07 71 13 00-0055	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	30.48	2.10
07 71 13 00-0056	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	32.52	2.27
07 71 13 00-0057	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	38.05	2.39
07 71 13 00-0058	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	45.55	2.62
07 71 13 00-0059	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	56.88	2.74
<b>07 71 13 00-0060</b>		<b>0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0047)</small>		
07 71 13 00-0061	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	32.50	2.10
07 71 13 00-0062	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	34.85	2.27
07 71 13 00-0063	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	41.90	2.39
07 71 13 00-0064	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	52.45	2.62
07 71 13 00-0065	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	68.04	2.74
<b>07 71 13 00-0066</b>		<b>Removal And Reinstallation Of Metal Coping</b> <small>(07 71 13)</small>		
07 71 13 00-0067	LF	Removal And Reinstallation Of Metal Coping .....	9.69	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**07 71 19 Manufactured Gravel Stops and Fasciae (07 71)**

07 71 19 00-0001	Gravel Stop (07 71 19)		
07 71 19 00-0002	Aluminum Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0003	Aluminum Gravel Stop (07 71 19 00-0002)		
07 71 19 00-0004	KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0005	0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0006	LF 4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	15.40	1.75
07 71 19 00-0007	LF >6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	15.62	1.81
07 71 19 00-0008	LF >10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	15.90	1.87
07 71 19 00-0009	0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0010	LF 4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	16.28	1.75
07 71 19 00-0011	LF >6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	16.53	1.81
07 71 19 00-0012	LF >10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	16.86	1.87
07 71 19 00-0013	0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0014	LF 4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	17.42	1.75
07 71 19 00-0015	LF >6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	17.63	1.81
07 71 19 00-0016	LF >10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	18.07	1.87
07 71 19 00-0017	0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0018	LF 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	18.20	1.75
07 71 19 00-0019	LF >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	18.43	1.81
07 71 19 00-0020	LF >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	18.92	1.87
07 71 19 00-0021	Mill Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0022	0.032" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0023	LF 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop .....	10.55	1.75
07 71 19 00-0024	LF >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop .....	11.01	1.81
07 71 19 00-0025	LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop .....	11.51	1.87
07 71 19 00-0026	0.040" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0027	LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop .....	11.27	1.75
07 71 19 00-0028	LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop .....	11.64	1.81
07 71 19 00-0029	LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop .....	12.00	1.87
07 71 19 00-0030	0.050" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0031	LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop .....	12.00	1.75
07 71 19 00-0032	LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop .....	12.37	1.81
07 71 19 00-0033	LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop .....	12.79	1.87
07 71 19 00-0034	0.063" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0035	LF 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop .....	12.79	1.75
07 71 19 00-0036	LF >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop .....	13.10	1.81
07 71 19 00-0037	LF >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop .....	13.38	1.87
07 71 19 00-0038	Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0039	0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)		
07 71 19 00-0040	LF 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	18.10	1.75
07 71 19 00-0041	LF >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	18.43	1.81
07 71 19 00-0042	LF >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	18.75	1.87
07 71 19 00-0043	0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)		
07 71 19 00-0044	LF 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	19.15	1.75
07 71 19 00-0045	LF >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	19.53	1.81
07 71 19 00-0046	LF >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	19.90	1.87
07 71 19 00-0047	0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)		
07 71 19 00-0048	LF 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	20.52	1.75
07 71 19 00-0049	LF >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	20.84	1.81
07 71 19 00-0050	LF >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	21.11	1.87
07 71 19 00-0051	0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)		
07 71 19 00-0052	LF 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	21.45	1.75
07 71 19 00-0053	LF >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	21.81	1.81

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0054 LF >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	22.11	1.87
<b>07 71 19 00-0055 Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0002)</small>		
<small>Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.</small>		
<b>07 71 19 00-0056 KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0055)</small>		
<b>07 71 19 00-0057 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0056)</small>		
07 71 19 00-0058 LF 4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	19.32	2.91
07 71 19 00-0059 LF >6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	20.09	3.01
07 71 19 00-0060 LF >10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	21.05	3.11
<b>07 71 19 00-0061 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0056)</small>		
07 71 19 00-0062 LF 4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	20.20	2.91
07 71 19 00-0063 LF >6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	21.01	3.01
07 71 19 00-0064 LF >10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	22.01	3.11
<b>07 71 19 00-0065 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0056)</small>		
07 71 19 00-0066 LF 4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	21.34	2.91
07 71 19 00-0067 LF >6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	22.10	3.01
07 71 19 00-0068 LF >10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	23.23	3.11
<b>07 71 19 00-0069 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0056)</small>		
07 71 19 00-0070 LF 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	22.12	2.91
07 71 19 00-0071 LF >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	22.91	3.01
07 71 19 00-0072 LF >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	24.08	3.11
<b>07 71 19 00-0073 Mill Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0055)</small>		
<b>07 71 19 00-0074 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0073)</small>		
07 71 19 00-0075 LF 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat .....	15.14	2.91
07 71 19 00-0076 LF >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat .....	15.73	3.01
07 71 19 00-0077 LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat .....	16.49	3.11
<b>07 71 19 00-0078 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0073)</small>		
07 71 19 00-0079 LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat .....	15.74	2.91
07 71 19 00-0080 LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat .....	16.36	3.01
07 71 19 00-0081 LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat .....	17.15	3.11
<b>07 71 19 00-0082 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0073)</small>		
07 71 19 00-0083 LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat .....	16.53	2.91
07 71 19 00-0084 LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat .....	17.11	3.01
07 71 19 00-0085 LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat .....	17.94	3.11
<b>07 71 19 00-0086 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0073)</small>		
07 71 19 00-0087 LF 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat .....	17.06	2.91
07 71 19 00-0088 LF >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat .....	17.67	3.01
07 71 19 00-0089 LF >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat .....	18.53	3.11
<b>07 71 19 00-0090 Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0055)</small>		
<b>07 71 19 00-0091 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0090)</small>		
07 71 19 00-0092 LF 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	22.02	2.91
07 71 19 00-0093 LF >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat .....	22.91	3.01

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0094 LF >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat .....	23.90	3.11
<b>07 71 19 00-0095 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)</b>		
07 71 19 00-0096 LF 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat .....	23.07	2.91
07 71 19 00-0097 LF >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat .....	24.00	3.01
07 71 19 00-0098 LF >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat .....	25.05	3.11
<b>07 71 19 00-0099 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)</b>		
07 71 19 00-0100 LF 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat .....	24.44	2.91
07 71 19 00-0101 LF >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat .....	25.32	3.01
07 71 19 00-0102 LF >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat .....	26.26	3.11
<b>07 71 19 00-0103 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)</b>		
07 71 19 00-0104 LF 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat .....	25.37	2.91
07 71 19 00-0105 LF >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat .....	26.28	3.01
07 71 19 00-0106 LF >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat .....	27.27	3.11
<b>07 71 19 00-0107 Stainless Steel Gravel Stop (07 71 19 00-0001)</b>		
<b>07 71 19 00-0108 Stainless Steel Gravel Stop (07 71 19 00-0107)</b>		
<b>07 71 19 00-0109 26 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)</b>		
07 71 19 00-0110 LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop .....	10.59	1.75
07 71 19 00-0111 LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop .....	13.12	1.81
07 71 19 00-0112 LF >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop .....	18.36	1.87
<b>07 71 19 00-0113 24 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)</b>		
07 71 19 00-0114 LF 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop .....	12.65	1.75
07 71 19 00-0115 LF >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop .....	15.86	1.81
07 71 19 00-0116 LF >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop .....	22.47	1.87
<b>07 71 19 00-0117 22 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)</b>		
07 71 19 00-0118 LF 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop .....	14.84	1.75
07 71 19 00-0119 LF >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop .....	18.77	1.81
07 71 19 00-0120 LF >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop .....	26.85	1.87
<b>07 71 19 00-0121 Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0107)</b>		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
<b>07 71 19 00-0122 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)</b>		
07 71 19 00-0123 LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	14.33	2.91
07 71 19 00-0124 LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	17.35	3.01
07 71 19 00-0125 LF >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	23.20	3.11
<b>07 71 19 00-0126 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)</b>		
07 71 19 00-0127 LF 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	16.39	2.91
07 71 19 00-0128 LF >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	20.09	3.01
07 71 19 00-0129 LF >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	27.31	3.11
<b>07 71 19 00-0130 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)</b>		
07 71 19 00-0131 LF 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	18.57	2.91
07 71 19 00-0132 LF >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	23.01	3.01
07 71 19 00-0133 LF >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	31.68	3.11
<b>07 71 19 00-0134 Galvanized Steel Gravel Stop (07 71 19 00-0001)</b>		
<b>07 71 19 00-0135 Galvanized Steel Gravel Stop (07 71 19 00-0134)</b>		
<b>07 71 19 00-0136 KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0135)</b>		
<b>07 71 19 00-0137 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0136)</b>		
07 71 19 00-0138 LF 4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop .....	16.10	1.75
07 71 19 00-0139 LF >6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop .....	16.30	1.81
07 71 19 00-0140 LF >10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop .....	16.67	1.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 71 19 00-0141			<b>Galvanized Steel Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0134) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142			<b>KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0141)		
07 71 19 00-0143			<b>24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0142)		
07 71 19 00-0144	LF		4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat .....	20.35	2.91
07 71 19 00-0145	LF		>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat .....	21.21	3.01
07 71 19 00-0146	LF		>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat .....	22.39	3.11
07 71 19 00-0147			<b>Copper Gravel Stop</b> (07 71 19 00-0001)		
07 71 19 00-0148			<b>Copper Gravel Stop</b> (07 71 19 00-0147)		
07 71 19 00-0149			<b>20 Ounce, Copper Gravel Stop</b> (07 71 19 00-0148)		
07 71 19 00-0150	LF		4" To 6" Face Height, 20 Ounce, Copper Gravel Stop .....	45.50	1.75
07 71 19 00-0151	LF		>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop .....	51.55	1.81
07 71 19 00-0152	LF		>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop .....	59.22	1.87
07 71 19 00-0153			<b>16 Ounce, Copper Gravel Stop</b> (07 71 19 00-0148)		
07 71 19 00-0154	LF		4" To 6" Face Height, 16 Ounce, Copper Gravel Stop .....	55.46	1.75
07 71 19 00-0155	LF		>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop .....	63.73	1.81
07 71 19 00-0156	LF		>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop .....	72.50	1.87
07 71 19 00-0157			<b>Copper Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0147) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0158			<b>20 Ounce, Copper Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0157)		
07 71 19 00-0159	LF		4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat .....	49.28	2.91
07 71 19 00-0160	LF		>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat .....	55.84	3.01
07 71 19 00-0161	LF		>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat .....	64.13	3.11
07 71 19 00-0162			<b>16 Ounce, Copper Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0157)		
07 71 19 00-0163	LF		4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat .....	59.24	2.91
07 71 19 00-0164	LF		>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat .....	68.02	3.01
07 71 19 00-0165	LF		>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat .....	77.42	3.11
07 71 19 00-0166			<b>Fascia</b> (07 71 19)		
07 71 19 00-0167			<b>Snap-On Cover Fascia</b> (07 71 19 00-0166) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168			<b>Galvanized Steel Snap-On Cover Fascia</b> (07 71 19 00-0167)		
07 71 19 00-0169			<b>KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia</b> (07 71 19 00-0168)		
07 71 19 00-0170			<b>24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia</b> (07 71 19 00-0169)		
07 71 19 00-0171	LF		3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat .....	20.80	2.43
07 71 19 00-0172	LF		>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat .....	23.19	2.53
07 71 19 00-0173	LF		>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat .....	24.76	2.62
07 71 19 00-0174			<b>Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems</b> (07 71 19 00-0169)		
07 71 19 00-0175			<b>Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems</b> (07 71 19 00-0174)		
07 71 19 00-0176	EA		Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	131.36	3.41
07 71 19 00-0177	EA		Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	140.07	3.41
07 71 19 00-0178	EA		Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	145.54	3.41
07 71 19 00-0179			<b>Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems</b> (07 71 19 00-0174)		
07 71 19 00-0180	EA		Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	107.63	3.41
07 71 19 00-0181	EA		Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	112.03	3.41
07 71 19 00-0182	EA		Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	114.71	3.41

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 71 19 00-0183		Aluminum Snap-On Cover Fascia <small>(07 71 19 00-0167)</small>			
07 71 19 00-0184		KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0183)</small>			
07 71 19 00-0185		0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0184)</small>			
07 71 19 00-0186	LF	3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	19.50		2.43
07 71 19 00-0187	LF	>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	22.00		2.53
07 71 19 00-0188	LF	>7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	23.33		2.62
07 71 19 00-0189		0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0184)</small>			
07 71 19 00-0190	LF	3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	20.45		2.43
07 71 19 00-0191	LF	>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	23.23		2.53
07 71 19 00-0192	LF	>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	24.71		2.62
07 71 19 00-0193		Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0184)</small>			
07 71 19 00-0194		Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0193)</small>			
07 71 19 00-0195	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems .....	123.28		3.41
07 71 19 00-0196	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems .....	133.63		3.41
07 71 19 00-0197	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems .....	138.15		3.41
07 71 19 00-0198		Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0193)</small>			
07 71 19 00-0199	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems .....	97.78		3.41
07 71 19 00-0200	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems .....	102.93		3.41
07 71 19 00-0201	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems .....	105.19		3.41
07 71 19 00-0202		Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0183)</small>			
07 71 19 00-0203		0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0202)</small>			
07 71 19 00-0204	LF	3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	22.42		2.43
07 71 19 00-0205	LF	>5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	25.39		2.53
07 71 19 00-0206	LF	>7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	26.95		2.62
07 71 19 00-0207		0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0202)</small>			
07 71 19 00-0208	LF	3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	23.57		2.43
07 71 19 00-0209	LF	>5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	26.86		2.53
07 71 19 00-0210	LF	>7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	28.60		2.62
07 71 19 00-0211		Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0202)</small>			
07 71 19 00-0212		Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0211)</small>			
07 71 19 00-0213	EA	Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems .....	152.40		3.41
07 71 19 00-0214	EA	Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems .....	165.33		3.41
07 71 19 00-0215	EA	Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems .....	170.99		3.41
07 71 19 00-0216		Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0211)</small>			
07 71 19 00-0217	EA	Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems .....	120.52		3.41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0218	EA		Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	126.96	3.41
07 71 19 00-0219	EA		Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	129.78	3.41
<b>07 71 23 Manufactured Gutters and Downspouts (07 71)</b>					
Note: Includes all necessary support straps.					
07 71 23 00-0001			Aluminum Gutters And Downspouts (07 71 23)		
07 71 23 00-0002			Aluminum Gutters (07 71 23 00-0001) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0003			K-Style Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0004	LF		5", 0.027" Thick, K-Style Aluminum Gutter.....	10.94	5.16
			For Up To 100', Add	2.37	
			For >100' To 250', Add	0.97	
			For >1,000', Deduct	-0.85	
			For Kynar 500® Finish, Add	1.09	
07 71 23 00-0005	LF		6", 0.027" Thick, K-Style Aluminum Gutter.....	12.02	5.44
			For Up To 100', Add	2.54	
			For >100' To 250', Add	1.05	
			For >1,000', Deduct	-0.89	
			For Kynar 500® Finish, Add	1.40	
07 71 23 00-0006	LF		5", 0.032" Thick, K-Style Aluminum Gutter.....	11.29	5.16
			For Up To 100', Add	2.41	
			For >100' To 250', Add	0.99	
			For >1,000', Deduct	-0.85	
			For Kynar 500® Finish, Add	1.25	
07 71 23 00-0007	LF		6", 0.032" Thick, K-Style Aluminum Gutter.....	12.47	5.44
			For Up To 100', Add	2.59	
			For >100' To 250', Add	1.07	
			For >1,000', Deduct	-0.89	
			For Kynar 500® Finish, Add	1.60	
07 71 23 00-0008	LF		7", 0.032" Thick, K-Style Aluminum Gutter.....	21.09	5.71
			For Up To 100', Add	3.55	
			For >100' To 250', Add	1.54	
			For >1,000', Deduct	-0.96	
			For Kynar 500® Finish, Add	5.16	
07 71 23 00-0009	LF		8", 0.032" Thick, K-Style Aluminum Gutter.....	23.14	6.42
			For Up To 100', Add	3.90	
			For >100' To 250', Add	1.69	
			For >1,000', Deduct	-1.06	
			For Kynar 500® Finish, Add	5.64	
07 71 23 00-0010	LF		8", 0.040" Thick, K-Style Aluminum Gutter.....	25.56	6.42
			For Up To 100', Add	4.15	
			For >100' To 250', Add	1.81	
			For >1,000', Deduct	-1.06	
			For Kynar 500® Finish, Add	6.73	
07 71 23 00-0011			Half Round Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0012	LF		5", 0.027" Thick, Half Round Aluminum Gutter.....	17.95	5.16
			For Up To 100', Add	3.07	
			For >100' To 250', Add	1.32	
			For >1,000', Deduct	-0.85	
			For Kynar 500® Finish, Add	4.25	
07 71 23 00-0013	LF		6", 0.032" Thick, Half Round Aluminum Gutter.....	21.21	5.44
			For Up To 100', Add	3.46	
			For >100' To 250', Add	1.51	
			For >1,000', Deduct	-0.89	
			For Kynar 500® Finish, Add	5.53	
07 71 23 00-0014			Box Style Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0015	LF		6", 0.027" Thick, Box Style Aluminum Gutter.....	19.36	6.42
			For Up To 100', Add	3.53	
			For >100' To 250', Add	1.50	
			For >1,000', Deduct	-1.06	
			For Kynar 500® Finish, Add	3.94	
07 71 23 00-0016	LF		6", 0.032" Thick, Box Style Aluminum Gutter.....	19.40	6.42
			For Up To 100', Add	3.53	
			For >100' To 250', Add	1.50	
			For >1,000', Deduct	-1.06	
			For Kynar 500® Finish, Add	3.96	
07 71 23 00-0017	LF		7", 0.032" Thick, Box Style Aluminum Gutter.....	22.26	6.83
			For Up To 100', Add	3.92	
			For >100' To 250', Add	1.68	
			For >1,000', Deduct	-1.13	
			For Kynar 500® Finish, Add	4.94	
07 71 23 00-0018	LF		8", 0.032" Thick, Box Style Aluminum Gutter.....	24.91	7.25
			For Up To 100', Add	4.29	
			For >100' To 250', Add	1.85	
			For >1,000', Deduct	-1.20	
			For Kynar 500® Finish, Add	5.81	
07 71 23 00-0019			Aluminum Gutter End Caps (07 71 23 00-0001)		

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 71 23 00-0020		<b>K-Style, Aluminum Gutter End Caps</b> (07 71 23 00-0019)		
07 71 23 00-0021	EA	5", K-Style Aluminum Gutter End Cap.....	3.63	
		<i>For Kynar 500® Finish, Add</i>	0.38	
07 71 23 00-0022	EA	6", K-Style Aluminum Gutter End Cap.....	4.32	
		<i>For Kynar 500® Finish, Add</i>	0.69	
07 71 23 00-0023	EA	7", K-Style Aluminum Gutter End Cap.....	8.50	
		<i>For Kynar 500® Finish, Add</i>	2.57	
07 71 23 00-0024	EA	8", K-Style Aluminum Gutter End Cap.....	9.77	
		<i>For Kynar 500® Finish, Add</i>	3.14	
07 71 23 00-0025		<b>Half Round, Aluminum Gutter End Caps</b> (07 71 23 00-0019)		
07 71 23 00-0026	EA	5", Half Round Aluminum Gutter End Cap .....	5.39	
		<i>For Kynar 500® Finish, Add</i>	1.17	
07 71 23 00-0027	EA	6", Half Round Aluminum Gutter End Cap .....	7.92	
		<i>For Kynar 500® Finish, Add</i>	2.31	
07 71 23 00-0028		<b>Box Style, Aluminum Gutter End Caps</b> (07 71 23 00-0019)		
07 71 23 00-0029	EA	6", Box Style Aluminum Gutter End Cap.....	9.20	
		<i>For Kynar 500® Finish, Add</i>	2.88	
07 71 23 00-0030	EA	7", Box Style Aluminum Gutter End Cap.....	9.93	
		<i>For Kynar 500® Finish, Add</i>	3.21	
07 71 23 00-0031	EA	8", Box Style Aluminum Gutter End Cap.....	11.53	
		<i>For Kynar 500® Finish, Add</i>	3.93	
07 71 23 00-0032		<b>Aluminum Gutter Miters</b> (07 71 23 00-0001)		
		Note: Inside or outside miters.		
07 71 23 00-0033		<b>K-Style, Aluminum Gutter Miters</b> (07 71 23 00-0032)		
07 71 23 00-0034	EA	5", K-Style Aluminum Gutter Miter .....	20.76	
		<i>For Kynar 500® Finish, Add</i>	3.01	
07 71 23 00-0035	EA	6", K-Style Aluminum Gutter Miter .....	26.62	
		<i>For Kynar 500® Finish, Add</i>	5.20	
07 71 23 00-0036	EA	7", K-Style Aluminum Gutter Miter .....	71.68	
		<i>For Kynar 500® Finish, Add</i>	25.04	
07 71 23 00-0037	EA	8", K-Style Aluminum Gutter Miter .....	77.74	
		<i>For Kynar 500® Finish, Add</i>	27.27	
07 71 23 00-0038		<b>Half Round, Aluminum Gutter Miters</b> (07 71 23 00-0032)		
07 71 23 00-0039	EA	5", Half Round Aluminum Gutter Miter .....	33.02	
		<i>For Kynar 500® Finish, Add</i>	8.52	
07 71 23 00-0040	EA	6", Half Round Aluminum Gutter Miter .....	49.95	
		<i>For Kynar 500® Finish, Add</i>	15.70	
07 71 23 00-0041		<b>Box Style, Aluminum Gutter Miters</b> (07 71 23 00-0032)		
07 71 23 00-0042	EA	6", Box Style Aluminum Gutter Miter.....	58.67	
		<i>For Kynar 500® Finish, Add</i>	19.62	
07 71 23 00-0043	EA	7", Box Style Aluminum Gutter Miter.....	85.59	
		<i>For Kynar 500® Finish, Add</i>	31.30	
07 71 23 00-0044	EA	8", Box Style Aluminum Gutter Miter.....	92.89	
		<i>For Kynar 500® Finish, Add</i>	34.08	
07 71 23 00-0045		<b>Aluminum Gutter Wire Strainers</b> (07 71 23 00-0001)		
07 71 23 00-0046	EA	3" Diameter, Round Aluminum Wire Strainer .....	13.65	3.49
		<i>For Kynar 500® Finish, Add</i>	2.88	
		<i>For 0.024" Thick, Add</i>	0.89	
		<i>For 0.027" Thick, Add</i>	1.85	
		<i>For 0.031" Thick, Add</i>	2.68	
07 71 23 00-0047	EA	4" Diameter, Round Aluminum Wire Strainer .....	19.03	3.49
		<i>For Kynar 500® Finish, Add</i>	5.30	
		<i>For 0.024" Thick, Add</i>	1.65	
		<i>For 0.027" Thick, Add</i>	3.41	
		<i>For 0.031" Thick, Add</i>	4.94	
07 71 23 00-0048		<b>Aluminum Downspouts</b> (07 71 23 00-0001)		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049		<b>Round Aluminum Downspouts</b> (07 71 23 00-0048)		
07 71 23 00-0050	LF	3" Diameter, 0.019" Thick, Round Aluminum Downspout .....	6.95	3.35
		<i>For Up To 100', Add</i>	1.24	
		<i>For &gt;100 To 250', Add</i>	0.53	
		<i>For &gt;1,000', Deduct</i>	-0.36	
		<i>For Kynar 500® Finish, Add</i>	1.50	
		<i>For 0.024" Thick, Add</i>	0.47	
		<i>For 0.027" Thick, Add</i>	0.97	
		<i>For 0.031" Thick, Add</i>	1.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0051	LF		4" Diameter, 0.019" Thick, Round Aluminum Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	7.73 1.32 0.57 -0.36 1.85 0.58 1.19 1.73	3.35
<b>07 71 23 00-0052</b>			<b>Rectangular Aluminum Downspouts (07 71 23 00-0048)</b>		
07 71 23 00-0053	LF		2" x 3", 0.019" Thick, Rectangular Aluminum Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	5.33 1.08 0.45 -0.36 0.77 0.24 0.50 0.72	3.35
07 71 23 00-0054	LF		3" x 4", 0.019" Thick, Rectangular Aluminum Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	6.32 1.18 0.50 -0.36 1.22 0.38 0.78 1.13	3.35
07 71 23 00-0055	LF		4" x 5", 0.019" Thick, Rectangular Aluminum Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	10.50 1.59 0.71 -0.36 3.10 0.96 2.00 2.89	3.35
<b>07 71 23 00-0056</b>			<b>Aluminum Devices (07 71 23 00-0001)</b>		
07 71 23 00-0057	EA		Thru-Wall Aluminum Scupper Outlet ..... <i>For Kynar 500® Finish, Add</i>	174.53 45.73	21.87
07 71 23 00-0058	EA		Aluminum Leader/Conductor Head ..... <i>For Kynar 500® Finish, Add</i>	193.56 65.23	24.31
<b>07 71 23 00-0059</b>			<b>Copper Gutters And Downspouts (07 71 23)</b>		
<b>07 71 23 00-0060</b>			<b>Copper Gutters (07 71 23 00-0059)</b> Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
<b>07 71 23 00-0061</b>			<b>K-Style Copper Gutters (07 71 23 00-0060)</b>		
07 71 23 00-0062	LF		4", 16 Ounce, K-Style Copper Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i>	18.95 3.11 1.35 -0.81	4.88
07 71 23 00-0063	LF		5", 16 Ounce, K-Style Copper Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i>	26.15 3.89 1.73 -0.85	5.16
07 71 23 00-0064	LF		6", 16 Ounce, K-Style Copper Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i>	30.90 4.43 1.99 -0.89	5.44
07 71 23 00-0065	LF		5", 20 Ounce, K-Style Copper Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i>	32.50 4.53 2.05 -0.85	5.16
07 71 23 00-0066	LF		6", 20 Ounce, K-Style Copper Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i>	39.89 5.33 2.44 -0.89	5.44
07 71 23 00-0067	LF		7", 20 Ounce, K-Style Copper Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i>	46.31 6.07 2.80 -0.96	5.71
07 71 23 00-0068	LF		8", 20 Ounce, K-Style Copper Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i>	51.47 6.74 3.10 -1.06	6.42
<b>07 71 23 00-0069</b>			<b>Half Round Copper Gutters (07 71 23 00-0060)</b>		
07 71 23 00-0070	LF		5", 16 Ounce, Half Round Copper Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i>	22.85 3.56 1.57 -0.85	5.16
07 71 23 00-0071	LF		6", 16 Ounce, Half Round Copper Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i>	28.44 4.18 1.87 -0.89	5.44

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0072	LF	7", 16 Ounce, Half Round Copper Gutter.....	46.37	5.71	
		<i>For Up To 100', Add</i>	6.08		
		<i>For &gt;100' To 250', Add</i>	2.80		
		<i>For &gt;1,000', Deduct</i>	-0.96		
07 71 23 00-0073	LF	5", 20 Ounce, Half Round Copper Gutter.....	26.32	5.16	
		<i>For Up To 100', Add</i>	3.91		
		<i>For &gt;100' To 250', Add</i>	1.74		
		<i>For &gt;1,000', Deduct</i>	-0.85		
07 71 23 00-0074	LF	6", 20 Ounce, Half Round Copper Gutter.....	32.12	5.44	
		<i>For Up To 100', Add</i>	4.55		
		<i>For &gt;100' To 250', Add</i>	2.05		
		<i>For &gt;1,000', Deduct</i>	-0.89		
07 71 23 00-0075	LF	7", 20 Ounce, Half Round Copper Gutter.....	48.62	5.71	
		<i>For Up To 100', Add</i>	6.31		
		<i>For &gt;100' To 250', Add</i>	2.91		
		<i>For &gt;1,000', Deduct</i>	-0.96		
07 71 23 00-0076	LF	8", 20 Ounce, Half Round Copper Gutter.....	55.16	6.42	
		<i>For Up To 100', Add</i>	7.11		
		<i>For &gt;100' To 250', Add</i>	3.29		
		<i>For &gt;1,000', Deduct</i>	-1.06		
<b>07 71 23 00-0077</b>		<b>Box Style Copper Gutters (07 71 23 00-0060)</b>			
07 71 23 00-0078	LF	5", 16 Ounce, Box Style Copper Gutter.....	26.19	5.85	
		<i>For Up To 100', Add</i>	4.08		
		<i>For &gt;100' To 250', Add</i>	1.80		
		<i>For &gt;1,000', Deduct</i>	-0.98		
07 71 23 00-0079	LF	6", 16 Ounce, Box Style Copper Gutter.....	28.16	6.42	
		<i>For Up To 100', Add</i>	4.41		
		<i>For &gt;100' To 250', Add</i>	1.94		
		<i>For &gt;1,000', Deduct</i>	-1.06		
07 71 23 00-0080	LF	7", 16 Ounce, Box Style Copper Gutter.....	33.76	6.83	
		<i>For Up To 100', Add</i>	5.07		
		<i>For &gt;100' To 250', Add</i>	2.25		
		<i>For &gt;1,000', Deduct</i>	-1.13		
07 71 23 00-0081	LF	8", 16 Ounce, Box Style Copper Gutter.....	34.59	7.25	
		<i>For Up To 100', Add</i>	5.26		
		<i>For &gt;100' To 250', Add</i>	2.33		
		<i>For &gt;1,000', Deduct</i>	-1.20		
07 71 23 00-0082	LF	5", 20 Ounce, Box Style Copper Gutter.....	29.57	5.85	
		<i>For Up To 100', Add</i>	4.42		
		<i>For &gt;100' To 250', Add</i>	1.97		
		<i>For &gt;1,000', Deduct</i>	-0.98		
07 71 23 00-0083	LF	6", 20 Ounce, Box Style Copper Gutter.....	31.55	6.42	
		<i>For Up To 100', Add</i>	4.75		
		<i>For &gt;100' To 250', Add</i>	2.11		
		<i>For &gt;1,000', Deduct</i>	-1.06		
07 71 23 00-0084	LF	7", 20 Ounce, Box Style Copper Gutter.....	37.14	6.83	
		<i>For Up To 100', Add</i>	5.41		
		<i>For &gt;100' To 250', Add</i>	2.42		
		<i>For &gt;1,000', Deduct</i>	-1.13		
07 71 23 00-0085	LF	8", 20 Ounce, Box Style Copper Gutter.....	37.98	7.25	
		<i>For Up To 100', Add</i>	5.60		
		<i>For &gt;100' To 250', Add</i>	2.50		
		<i>For &gt;1,000', Deduct</i>	-1.20		
<b>07 71 23 00-0086</b>		<b>Copper Gutter End Caps (07 71 23 00-0059)</b>			
<b>07 71 23 00-0087</b>		<b>K-Style, Copper Gutter End Caps (07 71 23 00-0086)</b>			
07 71 23 00-0088	EA	4", K-Style Copper Gutter End Cap.....	6.53		
07 71 23 00-0089	EA	5", K-Style Copper Gutter End Cap.....	6.95		
07 71 23 00-0090	EA	6", K-Style Copper Gutter End Cap.....	7.36		
07 71 23 00-0091	EA	7", K-Style Copper Gutter End Cap.....	18.44		
07 71 23 00-0092	EA	8", K-Style Copper Gutter End Cap.....	22.33		
<b>07 71 23 00-0093</b>		<b>Half Round, Copper Gutter End Caps (07 71 23 00-0086)</b>			
07 71 23 00-0094	EA	4", Half Round Copper Gutter End Cap.....	7.76		
07 71 23 00-0095	EA	5", Half Round Copper Gutter End Cap.....	8.64		
07 71 23 00-0096	EA	6", Half Round Copper Gutter End Cap.....	12.69		
07 71 23 00-0097	EA	7", Half Round Copper Gutter End Cap.....	36.83		
07 71 23 00-0098	EA	8", Half Round Copper Gutter End Cap.....	43.38		
<b>07 71 23 00-0099</b>		<b>Box Style, Copper Gutter End Caps (07 71 23 00-0086)</b>			
07 71 23 00-0100	EA	5", Box Style Copper Gutter End Cap.....	14.29		
07 71 23 00-0101	EA	6", Box Style Copper Gutter End Cap.....	14.97		
07 71 23 00-0102	EA	7", Box Style Copper Gutter End Cap.....	15.64		
07 71 23 00-0103	EA	8", Box Style Copper Gutter End Cap.....	17.00		
<b>07 71 23 00-0104</b>		<b>Copper Gutter Miters (07 71 23 00-0059)</b>			
		Note: Inside or outside miters.			
<b>07 71 23 00-0105</b>		<b>K-Style, Copper Gutter Miters (07 71 23 00-0104)</b>			
07 71 23 00-0106	EA	4", K-Style Copper Gutter Miter.....	40.86		
07 71 23 00-0107	EA	5", K-Style Copper Gutter Miter.....	46.11		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0108 EA 6", K-Style Copper Gutter Miter.....	65.10	
07 71 23 00-0109 EA 7", K-Style Copper Gutter Miter.....	90.80	
07 71 23 00-0110 EA 8", K-Style Copper Gutter Miter.....	106.13	
<b>07 71 23 00-0111 Half Round, Copper Gutter Miters (07 71 23 00-0104)</b>		
07 71 23 00-0112 EA 4", Half Round Copper Gutter Miter.....	62.02	
07 71 23 00-0113 EA 5", Half Round Copper Gutter Miter.....	57.83	
07 71 23 00-0114 EA 6", Half Round Copper Gutter Miter.....	82.06	
07 71 23 00-0115 EA 7", Half Round Copper Gutter Miter.....	97.39	
07 71 23 00-0116 EA 8", Half Round Copper Gutter Miter.....	114.65	
<b>07 71 23 00-0117 Box Style, Copper Gutter Miters (07 71 23 00-0104)</b>		
07 71 23 00-0118 EA 5", 16 Ounce Box Style Copper Gutter Miter.....	68.13	
07 71 23 00-0119 EA 6", 16 Ounce Box Style Copper Gutter Miter.....	70.46	
07 71 23 00-0120 EA 7", 16 Ounce Box Style Copper Gutter Miter.....	76.84	
07 71 23 00-0121 EA 8", 16 Ounce Box Style Copper Gutter Miter.....	78.58	
07 71 23 00-0122 EA 5", 20 Ounce Box Style Copper Gutter Miter.....	74.89	
07 71 23 00-0123 EA 6", 20 Ounce Box Style Copper Gutter Miter.....	77.23	
07 71 23 00-0124 EA 7", 20 Ounce Box Style Copper Gutter Miter.....	83.61	
07 71 23 00-0125 EA 8", 20 Ounce Box Style Copper Gutter Miter.....	91.49	
<b>07 71 23 00-0126 Copper Gutter Wire Strainers (07 71 23 00-0059)</b>		
07 71 23 00-0127 EA 2" Diameter, Round Copper Wire Strainer.....	16.93	3.49
07 71 23 00-0128 EA 3" Diameter, Round Copper Wire Strainer.....	20.11	3.49
07 71 23 00-0129 EA 4" Diameter, Round Copper Wire Strainer.....	30.47	3.49
07 71 23 00-0130 EA 5" Diameter, Round Copper Wire Strainer.....	39.50	3.49
07 71 23 00-0131 EA 6" Diameter, Round Copper Wire Strainer.....	47.07	3.49
<b>07 71 23 00-0132 Copper Downspouts (07 71 23 00-0059)</b>		
Note: Includes elbows, hangers and fasteners.		
<b>07 71 23 00-0133 Round Copper Downspouts (07 71 23 00-0132)</b>		
07 71 23 00-0134 LF 2" Diameter, 16 Ounce, Round Copper Downspout.....	25.07	3.35
For Up To 100', Add	3.05	
For >100 To 250', Add	1.43	
For >1,000', Deduct	-0.36	
07 71 23 00-0135 LF 3" Diameter, 16 Ounce, Round Copper Downspout.....	17.75	3.35
For Up To 100', Add	2.32	
For >100 To 250', Add	1.07	
For >1,000', Deduct	-0.36	
07 71 23 00-0136 LF 4" Diameter, 16 Ounce, Round Copper Downspout.....	22.13	3.35
For Up To 100', Add	2.76	
For >100 To 250', Add	1.29	
For >1,000', Deduct	-0.36	
07 71 23 00-0137 LF 5" Diameter, 16 Ounce, Round Copper Downspout.....	34.79	3.35
For Up To 100', Add	4.02	
For >100 To 250', Add	1.92	
For >1,000', Deduct	-0.36	
07 71 23 00-0138 LF 6" Diameter, 16 Ounce, Round Copper Downspout.....	44.47	3.35
For Up To 100', Add	4.99	
For >100 To 250', Add	2.40	
For >1,000', Deduct	-0.36	
07 71 23 00-0139 LF 3" Diameter, 20 Ounce, Round Copper Downspout.....	23.68	3.35
For Up To 100', Add	2.91	
For >100 To 250', Add	1.37	
For >1,000', Deduct	-0.36	
07 71 23 00-0140 LF 4" Diameter, 20 Ounce, Round Copper Downspout.....	30.44	3.35
For Up To 100', Add	3.59	
For >100 To 250', Add	1.70	
For >1,000', Deduct	-0.36	
07 71 23 00-0141 LF 5" Diameter, 20 Ounce, Round Copper Downspout.....	45.78	3.35
For Up To 100', Add	5.12	
For >100 To 250', Add	2.47	
For >1,000', Deduct	-0.36	
<b>07 71 23 00-0142 Square Copper Downspouts (07 71 23 00-0132)</b>		
07 71 23 00-0143 LF 3" Diameter, 16 Ounce, Square Copper Downspout.....	12.58	3.35
For Up To 100', Add	1.80	
For >100 To 250', Add	0.81	
For >1,000', Deduct	-0.36	
07 71 23 00-0144 LF 4" Diameter, 16 Ounce, Square Copper Downspout.....	15.49	3.35
For Up To 100', Add	2.09	
For >100 To 250', Add	0.96	
For >1,000', Deduct	-0.36	
07 71 23 00-0145 LF 5" Diameter, 16 Ounce, Square Copper Downspout.....	21.77	3.35
For Up To 100', Add	2.72	
For >100 To 250', Add	1.27	
For >1,000', Deduct	-0.36	
07 71 23 00-0146 LF 3" Diameter, 20 Ounce, Square Copper Downspout.....	14.38	3.35
For Up To 100', Add	1.98	
For >100 To 250', Add	0.90	
For >1,000', Deduct	-0.36	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0147	LF		4" Diameter, 20 Ounce, Square Copper Downspout.....	18.01	3.35
			<i>For Up To 100', Add</i>	2.34	
			<i>For &gt;100 To 250', Add</i>	1.08	
			<i>For &gt;1,000', Deduct</i>	-0.36	
07 71 23 00-0148	LF		5" Diameter, 20 Ounce, Square Copper Downspout.....	25.46	3.35
			<i>For Up To 100', Add</i>	3.09	
			<i>For &gt;100 To 250', Add</i>	1.45	
			<i>For &gt;1,000', Deduct</i>	-0.36	
<b>07 71 23 00-0149</b>			<b>Rectangular Copper Downspouts</b> (07 71 23 00-0132)		
07 71 23 00-0150	LF		2" x 3", 16 Ounce, Rectangular Copper Downspout .....	18.20	3.35
			<i>For Up To 100', Add</i>	2.36	
			<i>For &gt;100 To 250', Add</i>	1.09	
			<i>For &gt;1,000', Deduct</i>	-0.36	
07 71 23 00-0151	LF		3" x 4", 16 Ounce, Rectangular Copper Downspout .....	22.77	3.35
			<i>For Up To 100', Add</i>	2.82	
			<i>For &gt;100 To 250', Add</i>	1.32	
			<i>For &gt;1,000', Deduct</i>	-0.36	
07 71 23 00-0152	LF		4" x 5", 16 Ounce, Rectangular Copper Downspout .....	31.99	3.35
			<i>For Up To 100', Add</i>	3.74	
			<i>For &gt;100 To 250', Add</i>	1.78	
			<i>For &gt;1,000', Deduct</i>	-0.36	
07 71 23 00-0153	LF		2" x 3", 20 Ounce, Rectangular Copper Downspout .....	21.04	3.35
			<i>For Up To 100', Add</i>	2.65	
			<i>For &gt;100 To 250', Add</i>	1.23	
			<i>For &gt;1,000', Deduct</i>	-0.36	
07 71 23 00-0154	LF		3" x 4", 20 Ounce, Rectangular Copper Downspout .....	26.71	3.35
			<i>For Up To 100', Add</i>	3.21	
			<i>For &gt;100 To 250', Add</i>	1.52	
			<i>For &gt;1,000', Deduct</i>	-0.36	
07 71 23 00-0155	LF		4" x 5", 20 Ounce, Rectangular Copper Downspout .....	37.93	3.35
			<i>For Up To 100', Add</i>	4.34	
			<i>For &gt;100 To 250', Add</i>	2.08	
			<i>For &gt;1,000', Deduct</i>	-0.36	
<b>07 71 23 00-0156</b>			<b>Copper Devices And Accessories</b> (07 71 23 00-0059)		
07 71 23 00-0157	EA		Thru-Wall Copper Scupper Outlet.....	195.01	21.87
07 71 23 00-0158	EA		Copper Leader/Conductor Head .....	281.06	24.31
07 71 23 00-0159	EA		Copper Eave Box.....	136.79	20.92
<b>07 71 23 00-0160</b>			<b>Galvanized Steel Gutters And Downspouts</b> (07 71 23)		
<b>07 71 23 00-0161</b>			<b>Galvanized Steel Gutters</b> (07 71 23 00-0160)		
			Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
<b>07 71 23 00-0162</b>			<b>K-Style Galvanized Steel Gutters</b> (07 71 23 00-0161)		
07 71 23 00-0163	LF		5", 26 Gauge, K-Style Galvanized Steel Gutter.....	12.73	5.16
			<i>For Up To 100', Add</i>	2.55	
			<i>For &gt;100' To 250', Add</i>	1.06	
			<i>For &gt;1,000', Deduct</i>	-0.85	
			<i>For Kynar 500® Finish, Add</i>	1.90	
			<i>For 24 Gauge, Add</i>	1.18	
			<i>For 22 Gauge, Add</i>	2.32	
07 71 23 00-0164	LF		6", 26 Gauge, K-Style Galvanized Steel Gutter.....	14.43	5.44
			<i>For Up To 100', Add</i>	2.78	
			<i>For &gt;100' To 250', Add</i>	1.17	
			<i>For &gt;1,000', Deduct</i>	-0.89	
			<i>For Kynar 500® Finish, Add</i>	2.48	
			<i>For 24 Gauge, Add</i>	1.54	
			<i>For 22 Gauge, Add</i>	3.03	
07 71 23 00-0165	LF		7", 26 Gauge, K-Style Galvanized Steel Gutter.....	26.56	5.71
			<i>For Up To 100', Add</i>	4.10	
			<i>For &gt;100' To 250', Add</i>	1.81	
			<i>For &gt;1,000', Deduct</i>	-0.96	
			<i>For Kynar 500® Finish, Add</i>	7.62	
			<i>For 24 Gauge, Add</i>	4.74	
			<i>For 22 Gauge, Add</i>	9.32	
07 71 23 00-0166	LF		8", 26 Gauge, K-Style Galvanized Steel Gutter.....	28.19	6.42
			<i>For Up To 100', Add</i>	4.41	
			<i>For &gt;100' To 250', Add</i>	1.94	
			<i>For &gt;1,000', Deduct</i>	-1.06	
			<i>For Kynar 500® Finish, Add</i>	7.92	
			<i>For 24 Gauge, Add</i>	4.93	
			<i>For 22 Gauge, Add</i>	9.67	
<b>07 71 23 00-0167</b>			<b>Half Round Galvanized Steel Gutters</b> (07 71 23 00-0161)		
07 71 23 00-0168	LF		5", 26 Gauge, Half Round Galvanized Steel Gutter .....	17.09	5.16
			<i>For Up To 100', Add</i>	2.99	
			<i>For &gt;100' To 250', Add</i>	1.28	
			<i>For &gt;1,000', Deduct</i>	-0.85	
			<i>For Kynar 500® Finish, Add</i>	3.86	
			<i>For 24 Gauge, Add</i>	2.40	
			<i>For 22 Gauge, Add</i>	4.72	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0169 LF 6", 26 Gauge, Half Round Galvanized Steel Gutter .....	20.85	5.44
For Up To 100', Add	3.42	
For >100' To 250', Add	1.49	
For >1,000', Deduct	-0.89	
For Kynar 500® Finish, Add	5.37	
For 24 Gauge, Add	3.34	
For 22 Gauge, Add	6.56	
07 71 23 00-0170 LF 7", 26 Gauge, Half Round Galvanized Steel Gutter .....	47.61	5.71
For Up To 100', Add	6.20	
For >100' To 250', Add	2.86	
For >1,000', Deduct	-0.96	
For Kynar 500® Finish, Add	17.10	
For 24 Gauge, Add	10.64	
For 22 Gauge, Add	20.89	
07 71 23 00-0171 LF 8", 26 Gauge, Half Round Galvanized Steel Gutter .....	50.92	6.42
For Up To 100', Add	6.68	
For >100' To 250', Add	3.08	
For >1,000', Deduct	-1.06	
For Kynar 500® Finish, Add	18.14	
For 24 Gauge, Add	11.29	
For 22 Gauge, Add	22.18	
<b>07 71 23 00-0172 Box Style Galvanized Steel Gutters (07 71 23 00-0161)</b>		
07 71 23 00-0173 LF 5", 24 Gauge, Box Style Galvanized Steel Gutter .....	20.28	5.85
For Up To 100', Add	3.49	
For >100' To 250', Add	1.50	
For >1,000', Deduct	-0.98	
For Kynar 500® Finish, Add	4.73	
For 22 Gauge, Add	2.31	
07 71 23 00-0174 LF 6", 24 Gauge, Box Style Galvanized Steel Gutter .....	23.48	6.42
For Up To 100', Add	3.94	
For >100' To 250', Add	1.70	
For >1,000', Deduct	-1.06	
For Kynar 500® Finish, Add	5.80	
For 22 Gauge, Add	2.83	
07 71 23 00-0175 LF 7", 24 Gauge, Box Style Galvanized Steel Gutter .....	28.24	5.71
For Up To 100', Add	4.27	
For >100' To 250', Add	1.89	
For >1,000', Deduct	-0.96	
For Kynar 500® Finish, Add	8.38	
For 22 Gauge, Add	4.10	
07 71 23 00-0176 LF 8", 24 Gauge, Box Style Galvanized Steel Gutter .....	31.86	7.25
For Up To 100', Add	4.98	
For >100' To 250', Add	2.19	
For >1,000', Deduct	-1.20	
For Kynar 500® Finish, Add	8.94	
For 22 Gauge, Add	4.37	
<b>07 71 23 00-0177 Galvanized Steel Gutter End Caps (07 71 23 00-0160)</b>		
<b>07 71 23 00-0178 K-Style, Galvanized Steel Gutter End Caps (07 71 23 00-0177)</b>		
07 71 23 00-0179 EA 5", K-Style Galvanized Steel Gutter End Cap .....	5.32	
For Kynar 500® Finish, Add	1.14	
07 71 23 00-0180 EA 6", K-Style Galvanized Steel Gutter End Cap .....	5.98	
For Kynar 500® Finish, Add	1.44	
07 71 23 00-0181 EA 7", K-Style Galvanized Steel Gutter End Cap .....	11.88	
For Kynar 500® Finish, Add	4.09	
07 71 23 00-0182 EA 8", K-Style Galvanized Steel Gutter End Cap .....	16.82	
For Kynar 500® Finish, Add	6.31	
<b>07 71 23 00-0183 Half Round, Galvanized Steel Gutter End Caps (07 71 23 00-0177)</b>		
07 71 23 00-0184 EA 5", Half Round Galvanized Steel Gutter End Cap .....	6.57	
For Kynar 500® Finish, Add	1.70	
07 71 23 00-0185 EA 6", Half Round Galvanized Steel Gutter End Cap .....	7.42	
For Kynar 500® Finish, Add	2.08	
07 71 23 00-0186 EA 7", Half Round Galvanized Steel Gutter End Cap .....	13.01	
For Kynar 500® Finish, Add	4.60	
07 71 23 00-0187 EA 8", Half Round Galvanized Steel Gutter End Cap .....	17.26	
For Kynar 500® Finish, Add	6.51	
<b>07 71 23 00-0188 Box Style, Galvanized Steel Gutter End Caps (07 71 23 00-0177)</b>		
07 71 23 00-0189 EA 5", Box Style Galvanized Steel Gutter End Cap .....	11.04	
For Kynar 500® Finish, Add	3.71	
07 71 23 00-0190 EA 6", Box Style Galvanized Steel Gutter End Cap .....	13.10	
For Kynar 500® Finish, Add	4.64	
07 71 23 00-0191 EA 7", Box Style Galvanized Steel Gutter End Cap .....	14.56	
For Kynar 500® Finish, Add	5.30	
07 71 23 00-0192 EA 8", Box Style Galvanized Steel Gutter End Cap .....	19.19	
For Kynar 500® Finish, Add	7.38	
<b>07 71 23 00-0193 Galvanized Steel Gutter Miters (07 71 23 00-0160)</b>		
Note: Inside or outside miters.		
<b>07 71 23 00-0194 K-Style, Galvanized Steel Gutter Miters (07 71 23 00-0193)</b>		

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0195	EA		5", K-Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	31.21 7.71	
07 71 23 00-0196	EA		6", K-Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	47.83 14.75	
07 71 23 00-0197	EA		7", K-Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	73.67 25.94	
07 71 23 00-0198	EA		8", K-Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	82.51 29.41	
<b>07 71 23 00-0199</b>			<b>Half Round, Galvanized Steel Gutter Miters (07 71 23 00-0193)</b>		
07 71 23 00-0200	EA		5", Half Round Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	40.89 12.06	
07 71 23 00-0201	EA		6", Half Round Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	45.69 13.78	
07 71 23 00-0202	EA		7", Half Round Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	120.20 46.88	
07 71 23 00-0203	EA		8", Half Round Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	127.11 49.48	
<b>07 71 23 00-0204</b>			<b>Box Style, Galvanized Steel Gutter Miters (07 71 23 00-0193)</b>		
07 71 23 00-0205	EA		5", Box Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	38.96 11.20	
07 71 23 00-0206	EA		6", Box Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	60.65 20.52	
07 71 23 00-0207	EA		7", Box Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	77.53 27.68	
07 71 23 00-0208	EA		8", Box Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	82.51 29.41	
<b>07 71 23 00-0209</b>			<b>Galvanized Steel Gutter Wire Strainers (07 71 23 00-0160)</b>		
07 71 23 00-0210	EA		3" Diameter, Round Galvanized Steel Wire Strainer ..... <i>For Kynar 500® Finish, Add</i>	12.35 2.29	3.49
07 71 23 00-0211	EA		4" Diameter, Round Galvanized Steel Wire Strainer ..... <i>For Kynar 500® Finish, Add</i>	16.68 4.24	3.49
<b>07 71 23 00-0212</b>			<b>Galvanized Steel Downspouts (07 71 23 00-0160)</b> Note: Includes elbows, hangers and fasteners.		
<b>07 71 23 00-0213</b>			<b>Round Galvanized Steel Downspouts (07 71 23 00-0212)</b>		
07 71 23 00-0214	LF		3" Diameter, 26 Gauge, Round Galvanized Steel Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	6.70 1.21 0.52 -0.36 1.39 0.86 1.69	3.35
07 71 23 00-0215	LF		4" Diameter, 26 Gauge, Round Galvanized Steel Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	8.02 1.35 0.58 -0.36 1.98 1.23 2.42	3.35
07 71 23 00-0216	LF		5" Diameter, 26 Gauge, Round Galvanized Steel Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	10.46 1.59 0.70 -0.36 3.08 1.92 3.76	3.35
07 71 23 00-0217	LF		6" Diameter, 26 Gauge, Round Galvanized Steel Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	21.71 2.71 1.27 -0.36 8.14 5.07 9.95	3.35
<b>07 71 23 00-0218</b>			<b>Square Galvanized Steel Downspouts (07 71 23 00-0212)</b>		
07 71 23 00-0219	LF		4" x 4", 26 Gauge, Square Galvanized Steel Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	7.44 1.29 0.55 -0.36 1.72 1.07 2.10	3.35
07 71 23 00-0220	LF		5" x 5", 26 Gauge, Square Galvanized Steel Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	9.17 1.46 0.64 -0.36 2.50 1.55 3.05	3.35

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 71 23 00-0221 Rectangular Galvanized Steel Downspouts</b> (07 71 23 00-0212)		
07 71 23 00-0222 LF 2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout.....	6.80	3.35
For Up To 100', Add	1.22	
For >100 To 250', Add	0.52	
For >1,000', Deduct	-0.36	
For Kynar 500® Finish, Add	1.43	
For 24 Gauge, Add	0.89	
For 22 Gauge, Add	1.75	
07 71 23 00-0223 LF 3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout.....	8.32	3.35
For Up To 100', Add	1.38	
For >100 To 250', Add	0.60	
For >1,000', Deduct	-0.36	
For Kynar 500® Finish, Add	2.12	
For 24 Gauge, Add	1.32	
For 22 Gauge, Add	2.59	
07 71 23 00-0224 LF 4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout.....	14.37	3.35
For Up To 100', Add	1.98	
For >100 To 250', Add	0.90	
For >1,000', Deduct	-0.36	
For Kynar 500® Finish, Add	4.84	
For 24 Gauge, Add	3.01	
For 22 Gauge, Add	5.91	
<b>07 71 23 00-0225 Galvanized Steel Devices</b> (07 71 23 00-0160)		
07 71 23 00-0226 EA Galvanized Steel Leader/Conductor Head.....	245.41	24.31
For Kynar 500® Finish, Add	88.56	
07 71 23 00-0227 EA Thru-Wall Galvanized Steel Scupper Outlet.....	133.89	21.87
For Kynar 500® Finish, Add	27.44	
<b>07 71 23 00-0228 Stainless Steel Gutters And Downspouts</b> (07 71 23)		
Note: AISI type 304 stainless steel.		
<b>07 71 23 00-0229 Stainless Steel Gutters</b> (07 71 23 00-0228)		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
<b>07 71 23 00-0230 K-Style, Stainless Steel Gutters</b> (07 71 23 00-0229)		
07 71 23 00-0231 LF 5", 26 Gauge, K-Style Stainless Steel Gutter.....	28.11	5.16
For Up To 100', Add	4.09	
For >100' To 250', Add	1.83	
For >1,000', Deduct	-0.85	
For 316 Stainless Steel, Add	7.45	
For 24 Gauge, Add	6.47	
For 22 Gauge, Add	12.94	
For 20 Gauge, Add	19.40	
07 71 23 00-0232 LF 6", 26 Gauge, K-Style Stainless Steel Gutter.....	33.42	5.44
For Up To 100', Add	4.68	
For >100' To 250', Add	2.12	
For >1,000', Deduct	-0.89	
For 316 Stainless Steel, Add	9.31	
For 24 Gauge, Add	8.09	
For 22 Gauge, Add	16.17	
For 20 Gauge, Add	24.26	
<b>07 71 23 00-0233 Half Round, Stainless Steel Gutters</b> (07 71 23 00-0229)		
07 71 23 00-0234 LF 5", 26 Gauge, Half Round Stainless Steel Gutter.....	38.18	5.16
For Up To 100', Add	5.09	
For >100' To 250', Add	2.33	
For >1,000', Deduct	-0.85	
For 316 Stainless Steel, Add	11.27	
For 24 Gauge, Add	9.79	
For 22 Gauge, Add	19.58	
For 20 Gauge, Add	29.37	
07 71 23 00-0235 LF 6", 26 Gauge, Half Round Stainless Steel Gutter.....	45.95	5.44
For Up To 100', Add	5.93	
For >100' To 250', Add	2.74	
For >1,000', Deduct	-0.89	
For 316 Stainless Steel, Add	14.07	
For 24 Gauge, Add	12.22	
For 22 Gauge, Add	24.44	
For 20 Gauge, Add	36.66	
<b>07 71 23 00-0236 Box Style, Stainless Steel Gutters</b> (07 71 23 00-0229)		
07 71 23 00-0237 LF 5", 26 Gauge, Box Style Stainless Steel Gutter.....	37.70	5.85
For Up To 100', Add	5.23	
For >100' To 250', Add	2.37	
For >1,000', Deduct	-0.98	
For 316 Stainless Steel, Add	10.62	
For 24 Gauge, Add	9.22	
For 22 Gauge, Add	18.44	
For 20 Gauge, Add	27.66	
For 18 Gauge, Add	46.38	
For Seamless Gutter, Add	0.07	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0238	LF	6"	26 Gauge, Box Style Stainless Steel Gutter .....	45.71	6.42
			<i>For Up To 100', Add</i>	6.16	
			<i>For &gt;100' To 250', Add</i>	2.82	
			<i>For &gt;1,000', Deduct</i>	-1.06	
			<i>For 316 Stainless Steel, Add</i>	13.34	
			<i>For 24 Gauge, Add</i>	11.59	
			<i>For 22 Gauge, Add</i>	23.17	
			<i>For 20 Gauge, Add</i>	34.76	
			<i>For 18 Gauge, Add</i>	58.28	
			<i>For Seamless Gutter, Add</i>	-0.17	
07 71 23 00-0239	LF	7"	26 Gauge, Box Style Stainless Steel Gutter .....	53.72	6.83
			<i>For Up To 100', Add</i>	7.07	
			<i>For &gt;100' To 250', Add</i>	3.25	
			<i>For &gt;1,000', Deduct</i>	-1.13	
			<i>For 316 Stainless Steel, Add</i>	16.12	
			<i>For 24 Gauge, Add</i>	14.00	
			<i>For 22 Gauge, Add</i>	28.00	
			<i>For 20 Gauge, Add</i>	42.01	
			<i>For 18 Gauge, Add</i>	70.43	
			<i>For Seamless Gutter, Add</i>	-0.43	
07 71 23 00-0240	LF	8"	26 Gauge, Box Style Stainless Steel Gutter .....	58.34	7.25
			<i>For Up To 100', Add</i>	7.63	
			<i>For &gt;100' To 250', Add</i>	3.52	
			<i>For &gt;1,000', Deduct</i>	-1.20	
			<i>For 316 Stainless Steel, Add</i>	17.61	
			<i>For 24 Gauge, Add</i>	15.30	
			<i>For 22 Gauge, Add</i>	30.59	
			<i>For 20 Gauge, Add</i>	45.89	
			<i>For 18 Gauge, Add</i>	76.94	
			<i>For Seamless Gutter, Add</i>	-0.52	
07 71 23 00-0241			<b>Stainless Steel Gutter End Caps</b> (07 71 23 00-0228)		
07 71 23 00-0242			<b>K-Style, Stainless Steel Gutter End Caps</b> (07 71 23 00-0241)		
07 71 23 00-0243	EA	5"	K-Style Stainless Steel Gutter End Cap.....	8.92	
			<i>For 316 Stainless Steel, Add</i>	2.33	
07 71 23 00-0244	EA	6"	K-Style Stainless Steel Gutter End Cap.....	10.15	
			<i>For 316 Stainless Steel, Add</i>	2.80	
07 71 23 00-0245			<b>Half Round, Stainless Steel Gutter End Caps</b> (07 71 23 00-0241)		
07 71 23 00-0246	EA	5"	Half Round Stainless Steel Gutter End Cap .....	10.45	
			<i>For 316 Stainless Steel, Add</i>	2.91	
07 71 23 00-0247	EA	6"	Half Round Stainless Steel Gutter End Cap .....	11.99	
			<i>For 316 Stainless Steel, Add</i>	3.50	
07 71 23 00-0248			<b>Box Style, Stainless Steel Gutter End Caps</b> (07 71 23 00-0241)		
07 71 23 00-0249	EA	5"	Box Style Stainless Steel Gutter End Cap .....	11.15	
			<i>For 316 Stainless Steel, Add</i>	2.91	
07 71 23 00-0250	EA	6"	Box Style Stainless Steel Gutter End Cap .....	12.69	
			<i>For 316 Stainless Steel, Add</i>	3.50	
07 71 23 00-0251	EA	7"	Box Style Stainless Steel Gutter End Cap .....	13.18	
			<i>For 316 Stainless Steel, Add</i>	3.77	
07 71 23 00-0252	EA	8"	Box Style Stainless Steel Gutter End Cap .....	15.94	
			<i>For 316 Stainless Steel, Add</i>	4.65	
07 71 23 00-0253			<b>Stainless Steel Gutter Miters</b> (07 71 23 00-0228)		
			Note: Inside or outside box miters.		
07 71 23 00-0254			<b>K-Style, Stainless Steel Gutter Miters</b> (07 71 23 00-0253)		
07 71 23 00-0255	EA	5"	K-Style Stainless Steel Gutter Miter.....	45.75	
			<i>For 316 Stainless Steel, Add</i>	12.03	
07 71 23 00-0256	EA	6"	K-Style Stainless Steel Gutter Miter.....	71.25	
			<i>For 316 Stainless Steel, Add</i>	21.35	
07 71 23 00-0257			<b>Half Round, Stainless Steel Gutter Miters</b> (07 71 23 00-0253)		
07 71 23 00-0258	EA	5"	Half Round Stainless Steel Gutter Miter .....	107.05	
			<i>For 316 Stainless Steel, Add</i>	35.33	
07 71 23 00-0259	EA	6"	Half Round Stainless Steel Gutter Miter .....	130.47	
			<i>For 316 Stainless Steel, Add</i>	43.86	
07 71 23 00-0260			<b>Box-Style, Stainless Steel Gutter Miters</b> (07 71 23 00-0253)		
07 71 23 00-0261	EA	5"	Box-Style Stainless Steel Gutter Miter .....	52.09	
			<i>For 316 Stainless Steel, Add</i>	14.44	
07 71 23 00-0262	EA	6"	Box-Style Stainless Steel Gutter Miter .....	82.49	
			<i>For 316 Stainless Steel, Add</i>	25.62	
07 71 23 00-0263	EA	7"	Box-Style Stainless Steel Gutter Miter .....	94.70	
			<i>For 316 Stainless Steel, Add</i>	29.89	
07 71 23 00-0264	EA	8"	Box-Style Stainless Steel Gutter Miter .....	107.06	
			<i>For 316 Stainless Steel, Add</i>	34.17	
07 71 23 00-0265			<b>Stainless Steel Gutter Wire Strainers</b> (07 71 23 00-0228)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0266 EA 3" Diameter, Round Stainless Steel Wire Strainer .....	34.63	3.49
07 71 23 00-0267 EA 4" Diameter, Round Stainless Steel Wire Strainer .....	35.38	3.49
<b>07 71 23 00-0268 Stainless Steel Downspouts (07 71 23 00-0268)</b>		
Note: Includes elbows, hangers and fasteners.		
<b>07 71 23 00-0269 Round Stainless Steel Downspouts (07 71 23 00-0268)</b>		
07 71 23 00-0270 LF 3" Diameter, 26 Gauge, Round Stainless Steel Downspout .....	16.28	3.35
For Up To 100', Add	2.17	
For >100 To 250', Add	1.00	
For >1,000', Deduct	-0.36	
For 316 Stainless Steel, Add	4.81	
For 24 Gauge, Add	4.18	
For 22 Gauge, Add	8.36	
For 20 Gauge, Add	12.53	
07 71 23 00-0271 LF 4" Diameter, 26 Gauge, Round Stainless Steel Downspout .....	21.19	3.35
For Up To 100', Add	2.66	
For >100 To 250', Add	1.24	
For >1,000', Deduct	-0.36	
For 316 Stainless Steel, Add	6.68	
For 24 Gauge, Add	5.80	
For 22 Gauge, Add	11.60	
For 20 Gauge, Add	17.39	
07 71 23 00-0272 LF 5" Diameter, 26 Gauge, Round Stainless Steel Downspout .....	30.47	3.35
For Up To 100', Add	3.59	
For >100 To 250', Add	1.70	
For >1,000', Deduct	-0.36	
For 316 Stainless Steel, Add	10.20	
For 24 Gauge, Add	8.86	
For 22 Gauge, Add	17.72	
For 20 Gauge, Add	26.58	
<b>07 71 23 00-0273 Rectangular Stainless Steel Downspouts (07 71 23 00-0268)</b>		
07 71 23 00-0274 LF 2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout .....	16.64	3.35
For Up To 100', Add	2.21	
For >100 To 250', Add	1.01	
For >1,000', Deduct	-0.36	
For 316 Stainless Steel, Add	4.95	
For 24 Gauge, Add	4.30	
For 22 Gauge, Add	8.59	
For 20 Gauge, Add	12.89	
For 18 Gauge, Add	21.61	
07 71 23 00-0275 LF 3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout .....	21.93	3.35
For Up To 100', Add	2.74	
For >100 To 250', Add	1.28	
For >1,000', Deduct	-0.36	
For 316 Stainless Steel, Add	6.96	
For 24 Gauge, Add	6.04	
For 22 Gauge, Add	12.08	
For 20 Gauge, Add	18.13	
For 18 Gauge, Add	30.39	
07 71 23 00-0276 LF 4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout .....	28.11	3.35
For Up To 100', Add	3.35	
For >100 To 250', Add	1.59	
For >1,000', Deduct	-0.36	
For 316 Stainless Steel, Add	9.31	
For 24 Gauge, Add	8.08	
For 22 Gauge, Add	16.16	
For 20 Gauge, Add	24.25	
For 18 Gauge, Add	40.65	
<b>07 71 23 00-0277 Stainless Steel Devices (07 71 23 00-0228)</b>		
07 71 23 00-0278 EA Thru-Wall Stainless Steel Scupper Outlet .....	227.35	31.37
For 316 Stainless Steel, Add	46.66	
07 71 23 00-0279 EA Stainless Steel Leader/Conductor Head .....	345.24	31.37
For 316 Stainless Steel, Add	104.70	
<b>07 71 23 00-0280 Vinyl Gutters And Downspouts (07 71 23)</b>		
<b>07 71 23 00-0281 Vinyl Gutters (07 71 23 00-0280)</b>		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
<b>07 71 23 00-0282 K-Style Vinyl Gutters (07 71 23 00-0281)</b>		
07 71 23 00-0283 LF 4", K-Style Vinyl Gutter .....	10.41	3.49
For Up To 100', Add	1.91	
For >100' To 250', Add	0.81	
For >1,000', Deduct	-0.58	
07 71 23 00-0284 LF 5", K-Style Vinyl Gutter .....	12.78	3.49
For Up To 100', Add	2.15	
For >100' To 250', Add	0.93	
For >1,000', Deduct	-0.58	
<b>07 71 23 00-0285 Half Round Vinyl Gutters (07 71 23 00-0281)</b>		

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0286	LF		4", Half Round Vinyl Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i>	10.68 1.94 0.82 -0.58	3.49
07 71 23 00-0287	LF		5", Half Round Vinyl Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i>	11.11 1.98 0.85 -0.58	3.49
07 71 23 00-0288			Vinyl Gutter End Caps (07 71 23 00-0280)		
07 71 23 00-0289	EA		4", K-Style Vinyl Gutter End Cap.....	6.12	
07 71 23 00-0291	EA		5", K-Style Vinyl Gutter End Cap.....	8.09	
07 71 23 00-0292			Half Round, Vinyl Gutter End Caps (07 71 23 00-0288)		
07 71 23 00-0293	EA		4", Half Round Vinyl Gutter End Cap .....	6.85	
07 71 23 00-0294	EA		5", Half Round Vinyl Gutter End Cap .....	6.52	
07 71 23 00-0295			Vinyl Gutter Miters (07 71 23 00-0280) Note: Inside or outside miters.		
07 71 23 00-0296			K-Style, Vinyl Gutter Miters (07 71 23 00-0295)		
07 71 23 00-0297	EA		4", K-Style Vinyl Gutter Miter.....	14.47	
07 71 23 00-0298	EA		5", K-Style Vinyl Gutter Miter.....	20.81	
07 71 23 00-0299			Half Round, Vinyl Gutter Miters (07 71 23 00-0295)		
07 71 23 00-0300	EA		4", Half Round Vinyl Gutter Miter .....	14.47	
07 71 23 00-0301	EA		5", Half Round Vinyl Gutter Miter .....	15.56	
07 71 23 00-0302			Vinyl Downspouts (07 71 23 00-0280) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0303			Round Vinyl Downspouts (07 71 23 00-0302)		
07 71 23 00-0304	LF		2-1/2" Diameter, Round Vinyl Downspout..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	6.76 1.22 0.52 -0.36	3.35
07 71 23 00-0305	LF		3" Diameter, Round Vinyl Downspout .....	6.99 1.24 0.53 -0.36	3.35
07 71 23 00-0306			Square Vinyl Downspouts (07 71 23 00-0302)		
07 71 23 00-0307	LF		2-1/2", Square Vinyl Downspout .....	6.66 1.21 0.51 -0.36	3.35
07 71 23 00-0308			Rectangular Vinyl Downspouts (07 71 23 00-0302)		
07 71 23 00-0309	LF		2" x 3", Rectangular Vinyl Downspout..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	8.15 1.36 0.59 -0.36	3.35
07 71 23 00-0310			Gutter And Downspout Boots (07 71 23)		
07 71 23 00-0311			Cast Iron Roof Drainage Downspout Boots (07 71 23 00-0310)		
07 71 23 00-0312	EA		2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot .....	235.05	5.02
07 71 23 00-0313	EA		3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot .....	305.89	5.02
07 71 23 00-0314	EA		4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot .....	364.80	5.02
07 71 23 00-0315			Cast Iron Roof Drainage Downspout Boots With Cleanouts (07 71 23 00-0310)		
07 71 23 00-0316	EA		3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout.....	405.31	5.02
07 71 23 00-0317	EA		4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout.....	494.80	5.02
07 71 23 00-0318	EA		5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout.....	896.66	5.02
07 71 23 00-0319			Wall Mounted Downspout Covers With Hinged Perforated Cover (07 71 23)		
07 71 23 00-0320	EA		3" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03)..... <i>For Polished Brass Finish (-PB), Add</i> <i>For Chrome Plated Finish (-CP), Add</i> <i>For Vandal Proof (-U), Add</i>	814.57 76.40 114.60 38.20	25.30
07 71 23 00-0321	EA		4" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04)..... <i>For Polished Brass Finish (-PB), Add</i> <i>For Chrome Plated Finish (-CP), Add</i> <i>For Vandal Proof (-U), Add</i>	831.44 76.40 114.60 38.20	33.73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0322	EA		6" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06).....	894.56	43.86
			For Polished Brass Finish (-PB), Add	80.69	
			For Chrome Plated Finish (-CP), Add	121.03	
			For Vandal Proof (-U), Add	40.34	
07 71 23 00-0323	EA		8" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08).....	956.42	55.37
			For Polished Brass Finish (-PB), Add	84.57	
			For Chrome Plated Finish (-CP), Add	126.85	
			For Vandal Proof (-U), Add	42.28	
07 71 23 00-0324	EA		10" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10).....	1,031.29	68.22
			For Polished Brass Finish (-PB), Add	89.49	
			For Chrome Plated Finish (-CP), Add	134.23	
			For Vandal Proof (-U), Add	44.74	
07 71 23 00-0325	EA		12" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12).....	1,139.70	95.23
			For Polished Brass Finish (-PB), Add	94.92	
			For Chrome Plated Finish (-CP), Add	142.38	
			For Vandal Proof (-U), Add	47.46	
07 71 23 00-0326	EA		15" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15).....	1,267.72	132.44
			For Polished Brass Finish (-PB), Add	100.29	
			For Chrome Plated Finish (-CP), Add	150.43	
			For Vandal Proof (-U), Add	50.14	
<b>07 71 23 00-0327</b>			<b>Wall Mounted Downspout Nozzle (07 71 23)</b>		
07 71 23 00-0328	EA		3" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03) .....	215.52	25.30
			For Nickel Bronze Finish (-NB), Add	115.44	
			For Polished Bronze Finish (-PB), Add	90.71	
			For Chrome Plated Finish (-CP), Add	146.78	
07 71 23 00-0329	EA		4" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04) .....	232.39	33.73
			For Nickel Bronze Finish (-NB), Add	115.44	
			For Polished Bronze Finish (-PB), Add	90.71	
			For Chrome Plated Finish (-CP), Add	146.78	
07 71 23 00-0330	EA		6" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06) .....	478.93	43.86
			For Nickel Bronze Finish (-NB), Add	117.37	
			For Polished Bronze Finish (-PB), Add	66.51	
			For Chrome Plated Finish (-CP), Add	172.14	
07 71 23 00-0331	EA		8" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08) .....	704.60	55.37
			For Nickel Bronze Finish (-NB), Add	100.96	
			For Polished Bronze Finish (-PB), Add	77.20	
			For Chrome Plated Finish (-CP), Add	172.22	
07 71 23 00-0332	EA		10" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10) .....	907.41	68.22
			For Nickel Bronze Finish (-NB), Add	131.07	
			For Polished Bronze Finish (-PB), Add	100.23	
			For Chrome Plated Finish (-CP), Add	223.59	
07 71 23 00-0333	EA		12" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12) .....	1,160.41	95.23
			For Nickel Bronze Finish (-NB), Add	164.89	
			For Polished Bronze Finish (-PB), Add	126.09	
			For Chrome Plated Finish (-CP), Add	281.28	
<b>07 71 23 00-0334</b>			<b>Leaf Guards And Cleaning (07 71 23)</b>		
07 71 23 00-0335	LF		Aluminum Mesh Gutter Leaf Guard .....	2.90	0.84
			For Up To 100', Add	0.54	
			For >100' To 250', Add	0.23	
			For >1,000', Deduct	-0.17	
07 71 23 00-0336	LF		Vinyl Mesh Gutter Leaf Guard.....	2.49	0.84
			For Up To 100', Add	0.50	
			For >100' To 250', Add	0.21	
			For >1,000', Deduct	-0.17	
07 71 23 00-0337	LF		6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire.....	12.00	1.05
			For Up To 100', Add	1.52	
			For >100' To 250', Add	0.71	
			For >1,000', Deduct	-0.21	
07 71 23 00-0338	LF		9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire.....	16.96	1.05
			For Up To 100', Add	2.02	
			For >100' To 250', Add	0.95	
			For >1,000', Deduct	-0.21	
07 71 23 00-0339	LF		6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh .....	9.15	1.05
			For Up To 100', Add	1.17	
			For >100' To 250', Add	0.54	
			For >1,000', Deduct	-0.17	
07 71 23 00-0340	LF		9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh .....	13.90	1.05
			For Up To 100', Add	1.64	
			For >100' To 250', Add	0.78	
			For >1,000', Deduct	-0.17	
07 71 23 00-0341	EA		Cleanout Roof Drain .....	131.63	
			Note: Includes removing dome and flushing.		
07 71 23 00-0342	LF		Clean Gutters And Downspouts.....	1.64	
<b>07 71 26</b>			<b>Reglets (07 71)</b>		
07 71 26 00-0001			Counter Flashing With Reglet (07 71 26)		
			Note: Includes reglet cut.		
07 71 26 00-0002			Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0003			Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0004	LF		28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	13.51	4.33
07 71 26 00-0005	LF		26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	13.65	4.33
07 71 26 00-0006	LF		24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	13.88	4.33

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 26 00-0007	LF		22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	14.76	4.33
07 71 26 00-0008	LF		20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	15.26	4.33
07 71 26 00-0009	LF		18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	15.84	4.33
<b>07 71 26 00-0010</b>			<b>KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)</b>		
07 71 26 00-0011	LF		28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	15.70	4.33
07 71 26 00-0012	LF		26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	15.90	4.33
07 71 26 00-0013	LF		24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	16.23	4.33
07 71 26 00-0014	LF		22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	17.51	4.33
07 71 26 00-0015	LF		20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	18.24	4.33
07 71 26 00-0016	LF		18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	19.08	4.33
<b>07 71 26 00-0017</b>			<b>Aluminum Counter Flashing With Reglet (07 71 26 00-0001)</b>		
<b>07 71 26 00-0018</b>			<b>KYNAR 500® Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)</b>		
07 71 26 00-0019	LF		0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	14.07	4.33
07 71 26 00-0020	LF		0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	14.93	4.33
07 71 26 00-0021	LF		0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	15.78	4.33
07 71 26 00-0022	LF		0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	16.40	4.33
07 71 26 00-0023	LF		0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	17.78	4.33
07 71 26 00-0024	LF		0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	19.78	4.33
<b>07 71 26 00-0025</b>			<b>Mill Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)</b>		
07 71 26 00-0026	LF		0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	12.11	4.33
07 71 26 00-0027	LF		0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	12.66	4.33
07 71 26 00-0028	LF		0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	13.21	4.33
07 71 26 00-0029	LF		0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	13.60	4.33
07 71 26 00-0030	LF		0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	14.48	4.33
07 71 26 00-0031	LF		0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	15.76	4.33
<b>07 71 26 00-0032</b>			<b>Clear Anodized Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)</b>		
07 71 26 00-0033	LF		0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	13.67	4.33
07 71 26 00-0034	LF		0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	14.46	4.33
07 71 26 00-0035	LF		0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	15.26	4.33
07 71 26 00-0036	LF		0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	15.83	4.33
07 71 26 00-0037	LF		0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	17.11	4.33
07 71 26 00-0038	LF		0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	18.95	4.33
<b>07 71 26 00-0039</b>			<b>Stainless Steel Counter Flashing With Reglet (07 71 26 00-0001)</b>		
<b>07 71 26 00-0040</b>			<b>Stainless Steel Counter Flashing With Reglet (07 71 26 00-0039)</b>		
07 71 26 00-0041	LF		24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	15.30	4.33
07 71 26 00-0042	LF		20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	16.48	4.33
<b>07 71 26 00-0043</b>			<b>Copper Counter Flashing With Reglet (07 71 26 00-0001)</b>		
<b>07 71 26 00-0044</b>			<b>Copper Counter Flashing With Reglet (07 71 26 00-0043)</b>		
07 71 26 00-0045	LF		16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet.....	29.76	4.33
<b>07 72 Roof Accessories (07 70)</b>					
<b>07 72 13 Manufactured Curbs (07 72)</b>					
<b>07 72 13 00-0001</b>			<b>Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13)</b> Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
<b>07 72 13 00-0002</b>			<b>Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0001)</b> Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
<b>07 72 13 00-0003</b>			<b>18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)</b>		
<b>07 72 13 00-0004</b>			<b>9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0003)</b>		
07 72 13 00-0005	EA		26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	442.73	86.36
			For Sloped Roofs Up To 1 In 12 Pitch, Add	35.64	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	79.91	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.58	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	63.69	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	79.98	
07 72 13 00-0006	EA		26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	454.21	86.36
			For Sloped Roofs Up To 1 In 12 Pitch, Add	36.79	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	82.21	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	39.99	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	81.46	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0007	EA	26" x 50"	Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	481.55 38.44 86.60 48.88 100.71 111.08	97.16
07 72 13 00-0008	EA	26" x 74"	Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	525.60 42.85 95.41 65.17 131.82 142.19	97.16
07 72 13 00-0009	EA	26" x 98"	Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	558.15 46.10 101.92 13.55 86.13 95.01	97.16
07 72 13 00-0010	EA	26" x 122"	Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	709.97 60.20 131.20 108.12 174.77 202.91	107.95
07 72 13 00-0011	EA	38" x 38"	Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	458.05 37.17 82.97 7.78 67.02 93.68	86.36
07 72 13 00-0012	EA	38" x 50"	Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	483.46 38.63 86.98 62.21 124.41 149.59	97.16
07 72 13 00-0013	EA	38" x 62"	Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	508.36 41.12 91.96 77.02 142.19 162.92	97.16
07 72 13 00-0014	EA	38" x 74"	Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	517.94 42.08 93.87 13.77 84.87 104.12	97.16
07 72 13 00-0015	EA	38" x 98"	Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	679.33 57.14 125.07 17.77 96.27 125.89	107.95
07 72 13 00-0016	EA	38" x 122"	Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	741.13 62.24 136.35 21.77 112.12 147.67	118.74
07 72 13 00-0017	EA	50" x 50"	Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	571.56 47.44 104.60 79.98 145.15 161.44	97.16
07 72 13 00-0018	EA	50" x 62"	Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	618.05 51.01 112.82 96.27 157.00 186.62	107.95
07 72 13 00-0019	EA	50" x 74"	Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	639.12 53.12 117.03 114.04 165.88 216.24	107.95
07 72 13 00-0020	EA	50" x 86"	Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	700.92 58.22 128.31 133.30 199.95 247.34	118.74
07 72 13 00-0021	EA	51" x 99"	Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	745.49 61.60 136.14 22.88 105.82 142.85	129.54

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 72 13 00-0022	EA	51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	805.37	140.33
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	66.50	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	147.04	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	183.66	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	276.97	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	327.32	
07 72 13 00-0023	EA	62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	639.12	107.95
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	53.12	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	117.03	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.22	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	211.80	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	123.38	
07 72 13 00-0024	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	679.85	118.74
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	56.11	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	124.10	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	139.22	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	211.80	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.71	
07 72 13 00-0025	EA	62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	743.58	129.54
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	61.40	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	135.76	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	180.69	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	253.27	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	296.22	
07 72 13 00-0026	EA	62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	762.72	129.54
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	63.32	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	139.59	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	27.10	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.68	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	173.73	
07 72 13 00-0027	EA	62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	826.44	140.33
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	68.61	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	151.26	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	228.09	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	302.14	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	396.93	

**07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs** (07 72 13 00-0003)

07 72 13 00-0029	EA	26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	467.62	86.36
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.13	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	84.89	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.58	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.69	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.98	
07 72 13 00-0030	EA	26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	473.37	86.36
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.70	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	86.04	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.99	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.46	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.27	
07 72 13 00-0031	EA	26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	500.70	97.16
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.36	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	90.43	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	48.88	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	100.71	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	111.08	
07 72 13 00-0032	EA	26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	550.49	97.16
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	45.33	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	100.38	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	65.17	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	131.82	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	142.19	
07 72 13 00-0033	EA	26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	586.88	97.16
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	48.97	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	107.66	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.55	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	86.13	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	95.01	
07 72 13 00-0034	EA	26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	732.95	107.95
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	62.50	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	135.80	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	108.12	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	174.77	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	202.91	
07 72 13 00-0035	EA	38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	475.28	86.36
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.89	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	86.42	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.78	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.02	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	93.68	
07 72 13 00-0036	EA	38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	535.17	97.16
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	43.80	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	97.32	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	62.21	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	124.41	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	149.59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0037 EA 38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....573.47		97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	47.63	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	104.98	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	77.02	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	142.19	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	162.92	
07 72 13 00-0038 EA 38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....617.52		97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	52.04	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	113.79	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	13.77	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	84.87	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	104.12	
07 72 13 00-0039 EA 38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....709.97		107.95
For Sloped Roofs Up To 1 In 12 Pitch, Add	60.20	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	131.20	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	17.77	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	96.27	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	125.89	
07 72 13 00-0040 EA 38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....779.43		118.74
For Sloped Roofs Up To 1 In 12 Pitch, Add	66.07	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	144.01	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	21.77	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	112.12	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	147.67	
07 72 13 00-0041 EA 50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....594.54		97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	49.74	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	109.19	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	79.98	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	145.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	161.44	
07 72 13 00-0042 EA 50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....637.20		107.95
For Sloped Roofs Up To 1 In 12 Pitch, Add	52.93	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	116.65	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	96.27	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	157.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	186.62	
07 72 13 00-0043 EA 50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....667.84		107.95
For Sloped Roofs Up To 1 In 12 Pitch, Add	55.99	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	122.77	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	114.04	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	165.88	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	216.24	
07 72 13 00-0044 EA 50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....731.56		118.74
For Sloped Roofs Up To 1 In 12 Pitch, Add	61.28	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	134.44	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	133.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	199.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	247.34	
07 72 13 00-0045 EA 51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....781.88		129.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	65.23	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	143.42	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	22.88	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	105.82	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	142.85	
07 72 13 00-0046 EA 51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....847.50		140.33
For Sloped Roofs Up To 1 In 12 Pitch, Add	70.72	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	155.47	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	183.66	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	276.97	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	327.32	
07 72 13 00-0047 EA 62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....667.84		107.95
For Sloped Roofs Up To 1 In 12 Pitch, Add	55.99	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	122.77	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.22	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.09	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	123.38	
07 72 13 00-0048 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....710.49		118.74
For Sloped Roofs Up To 1 In 12 Pitch, Add	59.17	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	130.22	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	139.22	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	211.80	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	257.71	
07 72 13 00-0049 EA 62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....776.13		129.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	64.66	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	142.27	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	180.69	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	253.27	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	296.22	
07 72 13 00-0050 EA 62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....801.02		129.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	67.15	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	147.25	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	99.68	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	173.73	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 72 13 00-0051	EA	62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	868.56	140.33
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	72.82	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	159.68	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	228.09	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	302.14	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	396.93	
07 72 13 00-0052		<b>14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0003)</small>		
07 72 13 00-0053	EA	26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	481.03	86.36
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.47	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	87.57	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.58	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.69	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.98	
07 72 13 00-0054	EA	26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	486.77	86.36
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.04	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	88.72	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.99	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.46	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.27	
07 72 13 00-0055	EA	26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	510.28	97.16
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.31	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	92.34	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	48.88	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	100.71	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	111.08	
07 72 13 00-0056	EA	26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	565.81	97.16
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	46.87	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	103.45	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	65.17	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	131.82	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	142.19	
07 72 13 00-0057	EA	26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	607.94	97.16
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	51.08	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	111.87	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.55	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	86.13	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	95.01	
07 72 13 00-0058	EA	26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	759.76	107.95
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	65.18	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	141.16	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	108.12	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	174.77	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	202.91	
07 72 13 00-0059	EA	38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	486.77	86.36
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.04	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	88.72	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.78	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.02	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	93.68	
07 72 13 00-0060	EA	38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	510.28	97.16
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.31	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	92.34	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	62.21	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	124.41	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	149.59	
07 72 13 00-0061	EA	38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	607.94	97.16
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	51.08	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	111.87	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	77.02	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.19	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	162.92	
07 72 13 00-0062	EA	38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	653.90	97.16
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	55.68	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	121.07	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.77	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	84.87	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	104.12	
07 72 13 00-0063	EA	38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	732.95	107.95
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	62.50	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	135.80	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	17.77	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	96.27	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.89	
07 72 13 00-0064	EA	38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	804.33	118.74
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	68.56	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	148.99	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	21.77	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	112.12	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	147.67	
07 72 13 00-0065	EA	50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	609.86	97.16
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	51.27	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	112.26	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	79.98	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	145.15	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	161.44	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0066	EA		50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....558.03	558.03	107.95
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	45.01	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	100.81	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	96.27	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	157.00	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	186.62	
07 72 13 00-0067	EA		50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....686.99	686.99	107.95
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	57.90	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	126.60	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	114.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	165.88	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	216.24	
07 72 13 00-0068	EA		50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....754.54	754.54	118.74
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	63.58	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	139.03	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	133.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	199.95	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	247.34	
07 72 13 00-0069	EA		51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....804.86	804.86	129.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	67.53	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	148.02	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	105.82	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	142.85	
07 72 13 00-0070	EA		51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....874.31	874.31	140.33
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	73.40	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	160.83	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	183.66	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	276.97	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	327.32	
07 72 13 00-0071	EA		62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....686.99	686.99	107.95
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	57.90	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	126.60	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.09	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	123.38	
07 72 13 00-0072	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....731.56	731.56	118.74
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	61.28	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	134.44	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	139.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	211.80	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.71	
07 72 13 00-0073	EA		62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....801.02	801.02	129.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	67.15	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	147.25	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	180.69	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	253.27	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	296.22	
07 72 13 00-0074	EA		62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....825.92	825.92	129.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	69.64	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	152.23	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	27.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.68	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	173.73	
07 72 13 00-0075	EA		62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....897.29	897.29	140.33
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	75.70	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	165.43	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	228.09	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	302.14	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	396.93	
07 72 13 00-0076			<b>14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)</b>		
07 72 13 00-0077			<b>9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)</b>		
07 72 13 00-0078	EA		26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....421.66	421.66	86.36
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	33.53	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	75.70	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.69	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.98	
07 72 13 00-0079	EA		26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....446.55	446.55	86.36
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.02	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	80.67	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.99	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.46	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.27	
07 72 13 00-0080	EA		26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....516.02	516.02	97.16
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.89	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	93.49	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	48.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	100.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	111.08	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0081	EA	26" x 74"	Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....573.47 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 47.63 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 104.98 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 65.17 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 131.82 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 142.19		97.16
07 72 13 00-0082	EA	26" x 98"	Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....615.60 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 51.85 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 113.41 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 13.55 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 86.13 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 95.01		97.16
07 72 13 00-0083	EA	26" x 122"	Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....790.40 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 68.25 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 147.29 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 108.12 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 174.77 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 202.91		107.95
07 72 13 00-0084	EA	38" x 38"	Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....492.51 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 40.62 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 89.87 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 7.78 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 67.02 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 93.68		86.36
07 72 13 00-0085	EA	38" x 50"	Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....531.34 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 43.42 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 96.55 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 62.21 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 124.41 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 149.59		97.16
07 72 13 00-0086	EA	38" x 62"	Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....550.49 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 45.33 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 100.38 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 77.02 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 142.19 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 162.92		97.16
07 72 13 00-0087	EA	38" x 74"	Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....567.72 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 47.06 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 103.83 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 13.77 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 84.87 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 104.12		97.16
07 72 13 00-0088	EA	38" x 98"	Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....744.44 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 63.65 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 138.09 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 17.77 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 96.27 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 125.89		107.95
07 72 13 00-0089	EA	38" x 122"	Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....817.73 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 69.90 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 151.67 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 21.77 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 112.12 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 147.67		118.74
07 72 13 00-0090	EA	50" x 50"	Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....617.52 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 52.04 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 113.79 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 79.98 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 145.15 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 161.44		97.16
07 72 13 00-0091	EA	50" x 62"	Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....665.92 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 55.80 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 122.39 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 96.27 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 157.00 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 186.62		107.95
07 72 13 00-0092	EA	50" x 74"	Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....696.56 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 58.86 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 128.52 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 114.04 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 165.88 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 216.24		107.95
07 72 13 00-0093	EA	50" x 86"	Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....766.03 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 64.73 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 141.33 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 133.30 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 199.95 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 247.34		118.74
07 72 13 00-0094	EA	51" x 99"	Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....816.34 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 68.68 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 150.31 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 22.88 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 105.82 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 142.85		129.54
07 72 13 00-0095	EA	51" x 122"	Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....887.72 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 74.74 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 163.51 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 183.66 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 276.97 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 327.32		140.33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0096	EA		62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	696.56 58.86 128.52 18.22 67.09 123.38	107.95
07 72 13 00-0097	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	741.13 62.24 136.35 139.22 211.80 257.71	118.74
07 72 13 00-0098	EA		62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	812.52 68.30 149.55 180.69 253.27 296.22	129.54
07 72 13 00-0099	EA		62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	839.32 70.98 154.91 27.10 99.68 173.73	129.54
07 72 13 00-0100	EA		62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	912.61 77.23 168.49 228.09 302.14 396.93	140.33
<b>07 72 13 00-0101</b>			<b>12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0076)</small>		
07 72 13 00-0102	EA		26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	438.89 35.25 79.14 32.58 63.69 79.98	86.36
07 72 13 00-0103	EA		26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	467.62 38.13 84.89 39.99 81.46 96.27	86.36
07 72 13 00-0104	EA		26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	544.74 44.76 99.23 48.88 100.71 111.08	97.16
07 72 13 00-0105	EA		26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	607.94 51.08 111.87 65.17 131.82 142.19	97.16
07 72 13 00-0106	EA		26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	659.64 56.25 122.21 13.55 86.13 95.01	97.16
07 72 13 00-0107	EA		26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	798.06 69.01 148.82 108.12 174.77 202.91	107.95
07 72 13 00-0108	EA		38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	517.41 43.11 94.85 7.78 67.02 93.68	86.36
07 72 13 00-0109	EA		38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	561.98 46.48 102.68 62.21 124.41 149.59	97.16
07 72 13 00-0110	EA		38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	586.88 48.97 107.66 77.02 142.19 162.92	97.16

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0111	EA		38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....609.86 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	609.86	97.16
07 72 13 00-0112	EA		38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....790.40 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	790.40	107.95
07 72 13 00-0113	EA		38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....873.27 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	873.27	118.74
07 72 13 00-0114	EA		50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....651.98 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	651.98	97.16
07 72 13 00-0115	EA		50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....704.22 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	704.22	107.95
07 72 13 00-0116	EA		50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....740.61 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	740.61	107.95
07 72 13 00-0117	EA		50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....811.99 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	811.99	118.74
07 72 13 00-0118	EA		51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....869.96 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	869.96	129.54
07 72 13 00-0119	EA		51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....949.00 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	949.00	140.33
07 72 13 00-0120	EA		62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....740.61 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	740.61	107.95
07 72 13 00-0121	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....790.93 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	790.93	118.74
07 72 13 00-0122	EA		62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....866.14 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	866.14	129.54
07 72 13 00-0123	EA		62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....894.86 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	894.86	129.54
07 72 13 00-0124	EA		62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....977.72 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	977.72	140.33

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof**

**Curbs** (07 72 13 00-0076)

07 72 13 00-0126	EA 26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....452.30 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 36.59 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 81.82 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 32.58 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 63.69 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 79.98	86.36	
07 72 13 00-0127	EA 26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....482.94 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 39.66 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 87.95 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 39.99 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 81.46 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 96.27	86.36	
07 72 13 00-0128	EA 26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....561.98 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 46.48 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 102.68 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 48.88 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 100.71 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 111.08	97.16	
07 72 13 00-0129	EA 26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....630.92 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 53.38 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 116.47 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 65.17 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 131.82 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 142.19	97.16	
07 72 13 00-0130	EA 26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....688.37 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 59.12 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 127.96 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 13.55 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 86.13 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 95.01	97.16	
07 72 13 00-0131	EA 26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....859.34 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 75.14 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 161.07 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 108.12 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 174.77 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 202.91	107.95	
07 72 13 00-0132	EA 38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....536.56 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 45.02 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 98.68 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 7.78 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 67.02 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 93.68	86.36	
07 72 13 00-0133	EA 38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....594.54 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 49.74 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 109.19 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 62.21 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 124.41 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 149.59	97.16	
07 72 13 00-0134	EA 38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....629.00 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 53.19 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 116.09 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 77.02 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 142.19 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 162.92	97.16	
07 72 13 00-0135	EA 38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....636.66 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 53.95 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 117.62 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 13.77 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 84.87 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 104.12	97.16	
07 72 13 00-0136	EA 38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....824.87 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 71.69 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 154.18 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 17.77 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 96.27 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 125.89	107.95	
07 72 13 00-0137	EA 38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....911.57 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 79.28 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 170.44 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 21.77 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 112.12 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 147.67	118.74	
07 72 13 00-0138	EA 50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....674.96 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 57.78 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 125.28 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 79.98 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 145.15 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 161.44	97.16	
07 72 13 00-0139	EA 50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....612.83 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 50.49 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 111.77 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 96.27 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 157.00 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 186.62	107.95	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0140	EA		50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....769.34 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 66.14 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 143.07 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 114.04 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 165.88 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 216.24	107.95	
07 72 13 00-0141	EA		50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....846.46 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 72.77 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 157.42 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 133.30 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 199.95 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 247.34	118.74	
07 72 13 00-0142	EA		51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....904.44 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 77.49 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 167.93 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 22.88 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 105.82 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 142.85	129.54	
07 72 13 00-0143	EA		51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....991.12 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 85.08 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 184.19 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 183.66 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 276.97 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 327.32	140.33	
07 72 13 00-0144	EA		62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....769.34 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 66.14 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 143.07 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 18.22 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 67.09 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 123.38	107.95	
07 72 13 00-0145	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....825.39 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 70.66 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 153.20 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 139.22 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 211.80 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 257.71	118.74	
07 72 13 00-0146	EA		62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....898.69 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 76.92 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 166.78 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 180.69 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 253.27 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 296.22	129.54	
07 72 13 00-0147	EA		62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....933.16 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 80.36 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 173.68 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 27.10 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 99.68 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 173.73	129.54	
07 72 13 00-0148	EA		62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....1,019.85 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 87.95 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 189.94 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 228.09 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 302.14 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 396.93	140.33	

07 72 13 00-0149 Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <sup>(07 72 13 00-0001)</sup>  
Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.

07 72 13 00-0150 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <sup>(07 72 13 00-0149)</sup>

07 72 13 00-0151	EA		14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....400.11 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 31.38 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 71.39	86.36	
07 72 13 00-0152	EA		23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....501.06 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 41.47 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 91.58	86.36	
07 72 13 00-0153	EA		32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....578.79 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 48.16 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 106.04	97.16	
07 72 13 00-0154	EA		41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....659.40 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 56.23 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 122.17	97.16	
07 72 13 00-0155	EA		50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....727.87 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 61.99 <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> 134.78	107.95	

07 72 13 00-0156 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <sup>(07 72 13 00-0149)</sup>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0157	EA		14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	547.93	86.36
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	46.16	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	100.95	
07 72 13 00-0158	EA		23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	684.93	86.36
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	59.86	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	128.35	
07 72 13 00-0159	EA		32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	710.39	97.16
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	61.32	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	132.36	
07 72 13 00-0160	EA		41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	761.89	97.16
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	66.47	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	142.66	
07 72 13 00-0161	EA		50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	855.60	107.95
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	74.77	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	160.33	
07 72 13 00-0162	EA		64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	1,561.66	118.74
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	144.29	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	300.46	
<b>07 72 13 00-0163</b>			<b>18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs</b> <small>(07 72 13 00-0149)</small>		
07 72 13 00-0164	EA		17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	790.78	86.36
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	70.44	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	149.52	
07 72 13 00-0165	EA		24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	930.87	86.36
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	84.45	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	177.54	
07 72 13 00-0166	EA		31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	1,118.83	97.16
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	102.17	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	214.05	
<b>07 72 13 00-0167</b>			<b>Wood, Prefabricated Roof Curbs</b> <small>(07 72 13)</small>		
			Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
<b>07 72 13 00-0168</b>			<b>Wood Framed, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0167)</small>		
<b>07 72 13 00-0169</b>			<b>2 x 6 Wood Framed, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0168)</small>		
07 72 13 00-0170	EA		26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	292.68	86.36
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.63	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	49.90	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.69	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.98	
07 72 13 00-0171	EA		26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	323.16	97.16
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.60	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	54.92	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	48.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	100.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	111.08	
07 72 13 00-0172	EA		26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	361.66	97.16
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.45	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	62.62	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	86.13	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	95.01	
07 72 13 00-0173	EA		38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	357.22	97.16
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.01	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	61.73	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	77.02	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.19	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	162.92	
07 72 13 00-0174	EA		38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	367.59	97.16
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.04	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	63.80	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	84.87	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	104.12	
07 72 13 00-0175	EA		38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	414.37	107.95
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.64	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	72.08	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	17.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	96.27	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.89	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0176	EA		50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	364.63	97.16
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.75	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	63.21	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	79.98	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	145.15	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	161.44	
07 72 13 00-0177	EA		50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	427.70	107.95
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.98	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	74.75	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	114.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	165.88	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	216.24	
07 72 13 00-0178	EA		51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	470.88	129.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.13	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	81.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	105.82	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	142.85	
07 72 13 00-0179	EA		62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	401.04	107.95
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.31	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	69.41	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.09	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	123.38	
07 72 13 00-0180	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	440.40	118.74
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.17	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	76.21	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	139.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	211.80	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.71	
07 72 13 00-0181	EA		62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	500.50	129.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.10	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	87.15	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	27.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.68	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	173.73	
07 72 13 00-0182			<b>2 x 8 Wood Framed, Prefabricated Roof Curbs</b> (07 72 13 00-0168)		
07 72 13 00-0183	EA		26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	301.57	86.36
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.52	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	51.68	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.69	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.98	
07 72 13 00-0184	EA		26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	333.52	97.16
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.64	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	56.99	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	48.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	100.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	111.08	
07 72 13 00-0185	EA		26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	389.81	97.16
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.27	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	68.25	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	86.13	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	95.01	
07 72 13 00-0186	EA		38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	374.99	97.16
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.78	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	65.28	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	77.02	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.19	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	162.92	
07 72 13 00-0187	EA		38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	389.81	97.16
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.27	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	68.25	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	84.87	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	104.12	
07 72 13 00-0188	EA		38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	436.58	107.95
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.86	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	76.52	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	17.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	96.27	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.89	
07 72 13 00-0189	EA		50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	380.92	97.16
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.38	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	66.47	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	79.98	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	145.15	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	161.44	
07 72 13 00-0190	EA		50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	448.43	107.95
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.05	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	78.89	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	114.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	165.88	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	216.24	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0191	EA		51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	491.61	129.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.21	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	85.37	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	105.82	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	142.85	
07 72 13 00-0192	EA		62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	417.33	107.95
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.94	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	72.67	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.09	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	123.38	
07 72 13 00-0193	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb .....	459.65	118.74
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.09	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	80.06	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	139.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	211.80	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.71	
07 72 13 00-0194	EA		62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	521.23	129.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.17	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	91.29	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	27.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.68	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	173.73	
<b>07 72 13 00-0195</b>			<b>2 x 10 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0168)</small></b>		
07 72 13 00-0196	EA		26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	307.49	86.36
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.11	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	52.86	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.69	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.98	
07 72 13 00-0197	EA		26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	343.89	97.16
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.67	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	59.06	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	48.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	100.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	111.08	
07 72 13 00-0198	EA		26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	392.77	97.16
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.56	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	68.84	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	86.13	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	95.01	
07 72 13 00-0199	EA		38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	385.36	97.16
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.82	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	67.36	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	77.02	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.19	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	162.92	
07 72 13 00-0200	EA		38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	403.14	97.16
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.60	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	70.91	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	84.87	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	104.12	
07 72 13 00-0201	EA		38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	451.39	107.95
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.34	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	79.48	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	17.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	96.27	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.89	
07 72 13 00-0202	EA		50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	391.29	97.16
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.41	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	68.54	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	79.98	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	145.15	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	161.44	
07 72 13 00-0203	EA		50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	461.76	107.95
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	35.38	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	81.56	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	114.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	165.88	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	216.24	
07 72 13 00-0204	EA		51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	504.94	129.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.54	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	88.03	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	105.82	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	142.85	
07 72 13 00-0205	EA		62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	427.70	107.95
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.98	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	74.75	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.09	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	123.38	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 72 13 00-0206	EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....	471.50	118.74
	For Sloped Roofs Up To 1 In 12 Pitch, Add	35.28	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	82.43	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	139.22	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	211.80	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	257.71	
07 72 13 00-0207	EA 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	536.05	129.54
	For Sloped Roofs Up To 1 In 12 Pitch, Add	40.65	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	94.26	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.10	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	99.68	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	173.73	
<b>07 72 13 00-0208</b>	<b>2 x 12 Wood Framed, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0168)</small>		
07 72 13 00-0209	EA 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb.....	314.90	86.36
	For Sloped Roofs Up To 1 In 12 Pitch, Add	22.85	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	54.34	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.58	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	63.69	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	79.98	
07 72 13 00-0210	EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb.....	349.82	97.16
	For Sloped Roofs Up To 1 In 12 Pitch, Add	25.27	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	60.25	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	48.88	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.71	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	111.08	
07 72 13 00-0211	EA 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb.....	406.10	97.16
	For Sloped Roofs Up To 1 In 12 Pitch, Add	30.90	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	71.51	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	13.55	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	86.13	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	95.01	
07 72 13 00-0212	EA 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb.....	417.95	97.16
	For Sloped Roofs Up To 1 In 12 Pitch, Add	32.08	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	73.88	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	13.77	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	84.87	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	104.12	
07 72 13 00-0213	EA 38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb.....	467.69	107.95
	For Sloped Roofs Up To 1 In 12 Pitch, Add	35.97	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	82.74	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	17.77	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	96.27	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	125.89	
07 72 13 00-0214	EA 50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb.....	404.62	97.16
	For Sloped Roofs Up To 1 In 12 Pitch, Add	30.75	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	71.21	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	79.98	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	145.15	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	161.44	
07 72 13 00-0215	EA 50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb.....	476.57	107.95
	For Sloped Roofs Up To 1 In 12 Pitch, Add	36.86	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	84.52	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	114.04	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	165.88	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	216.24	
07 72 13 00-0216	EA 51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb.....	522.72	129.54
	For Sloped Roofs Up To 1 In 12 Pitch, Add	39.32	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	91.59	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	22.88	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	105.82	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	142.85	
07 72 13 00-0217	EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb .....	483.35	118.74
	For Sloped Roofs Up To 1 In 12 Pitch, Add	36.46	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	84.80	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	139.22	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	211.80	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	257.71	
<b>07 72 13 00-0218</b>	<b>Wood Framed With Liner, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0167)</small>		
<b>07 72 13 00-0219</b>	<b>2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0218)</small>		
07 72 13 00-0220	EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb.....	304.53	86.36
	For Sloped Roofs Up To 1 In 12 Pitch, Add	21.82	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	52.27	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.58	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	63.69	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	79.98	
07 72 13 00-0221	EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb.....	333.52	97.16
	For Sloped Roofs Up To 1 In 12 Pitch, Add	23.64	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	56.99	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	48.88	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.71	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	111.08	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0222 EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	380.92	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.38	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	66.47	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	13.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	86.13	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	95.01	
07 72 13 00-0223 EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	370.55	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	27.34	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	64.40	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	77.02	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	142.19	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	162.92	
07 72 13 00-0224 EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	383.88	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.67	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	67.06	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	13.77	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	84.87	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	104.12	
07 72 13 00-0225 EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	432.14	107.95
For Sloped Roofs Up To 1 In 12 Pitch, Add	32.42	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	75.63	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	17.77	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	96.27	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	125.89	
07 72 13 00-0226 EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	377.96	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.08	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	65.88	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	79.98	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	145.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	161.44	
07 72 13 00-0227 EA 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	443.99	107.95
For Sloped Roofs Up To 1 In 12 Pitch, Add	33.60	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	78.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	114.04	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	165.88	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	216.24	
07 72 13 00-0228 EA 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	487.17	129.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	35.76	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	84.48	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	22.88	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	105.82	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	142.85	
07 72 13 00-0229 EA 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	418.81	107.95
For Sloped Roofs Up To 1 In 12 Pitch, Add	31.09	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	72.97	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.22	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.09	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	123.38	
07 72 13 00-0230 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	456.69	118.74
For Sloped Roofs Up To 1 In 12 Pitch, Add	33.79	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	79.46	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	139.22	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	211.80	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	257.71	
07 72 13 00-0231 EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	521.23	129.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	39.17	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	91.29	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	99.68	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	173.73	
<b>07 72 13 00-0232 2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)</b>		
07 72 13 00-0233 EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....	314.90	86.36
For Sloped Roofs Up To 1 In 12 Pitch, Add	22.85	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	54.34	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.58	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	63.69	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	79.98	
07 72 13 00-0234 EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....	345.37	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	24.82	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	59.36	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	48.88	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.71	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	111.08	
07 72 13 00-0235 EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....	398.69	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	30.15	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	70.02	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	13.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	86.13	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	95.01	
07 72 13 00-0236 EA 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....	388.32	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	29.12	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	67.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	77.02	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	142.19	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	162.92	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 72 13 00-0237	EA 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb.....	407.58	97.16
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.04	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	71.80	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.77	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	84.87	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	104.12	
07 72 13 00-0238	EA 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb.....	458.80	107.95
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	35.09	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	80.97	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	17.77	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	96.27	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.89	
07 72 13 00-0239	EA 50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb.....	398.69	97.16
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.15	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	70.02	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	79.98	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	145.15	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	161.44	
07 72 13 00-0240	EA 50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb.....	469.17	107.95
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.12	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	83.04	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	114.04	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	165.88	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	216.24	
07 72 13 00-0241	EA 51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb.....	515.31	129.54
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.58	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	90.11	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.88	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	105.82	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	142.85	
07 72 13 00-0242	EA 62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb.....	438.06	107.95
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	33.01	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	76.82	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.22	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.09	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	123.38	
07 72 13 00-0243	EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....	478.91	118.74
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.02	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	83.91	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	139.22	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	211.80	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.71	
07 72 13 00-0244	EA 62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb.....	546.41	129.54
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.69	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	96.33	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	27.10	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.68	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	173.73	
07 72 13 00-0245	2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small> .....		
07 72 13 00-0246	EA 26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb.....	323.78	86.36
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.74	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	56.12	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.58	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.69	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.98	
07 72 13 00-0247	EA 26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb.....	357.22	97.16
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.01	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	61.73	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	48.88	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	100.71	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	111.08	
07 72 13 00-0248	EA 26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb.....	416.46	97.16
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.93	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	73.58	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.55	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	86.13	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	95.01	
07 72 13 00-0249	EA 38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb.....	401.65	97.16
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.45	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	70.62	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	77.02	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.19	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	162.92	
07 72 13 00-0250	EA 38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb.....	425.35	97.16
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.82	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	75.36	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.77	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	84.87	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	104.12	
07 72 13 00-0251	EA 38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb.....	478.05	107.95
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.01	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	84.82	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	17.77	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	96.27	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.89	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0252	EA	50" x 50"	Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	412.02 31.49 72.69 79.98 145.15 161.44	97.16
07 72 13 00-0253	EA	50" x 74"	Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	485.46 37.75 86.30 114.04 165.88 216.24	107.95
07 72 13 00-0254	EA	51" x 99"	Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	533.08 40.35 93.66 22.88 105.82 142.85	129.54
07 72 13 00-0255	EA	62" x 62"	Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	452.88 34.49 79.78 18.22 67.09 123.38	107.95
07 72 13 00-0256	EA	62-3/8" x 74-3/8"	Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	495.20 37.65 87.17 139.22 211.80 257.71	118.74
07 72 13 00-0257	EA	62" x 98"	Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	565.67 43.61 100.18 27.10 99.68 173.73	129.54
<b>07 72 13 00-0258</b>			<b>2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small></b>		
07 72 13 00-0259	EA	26" x 26"	Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	341.56 25.52 59.68 32.58 63.69 79.98	86.36
07 72 13 00-0260	EA	26" x 50"	Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	366.11 26.90 63.51 48.88 100.71 111.08	97.16
07 72 13 00-0261	EA	26" x 98"	Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	429.79 33.26 76.24 13.55 86.13 95.01	97.16
07 72 13 00-0262	EA	38" x 74"	Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	440.16 34.30 78.32 13.77 84.87 104.12	97.16
07 72 13 00-0263	EA	38" x 98"	Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	534.34 42.64 96.07 17.77 96.27 125.89	107.95
07 72 13 00-0264	EA	50" x 50"	Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	454.97 35.78 81.28 79.98 145.15 161.44	97.16
07 72 13 00-0265	EA	50" x 74"	Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	537.30 42.94 96.67 114.04 165.88 216.24	107.95
07 72 13 00-0266	EA	51" x 99"	Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	592.33 46.28 105.51 22.88 105.82 142.85	129.54

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0267	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....	550.00	118.74
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	43.13	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	98.13	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	139.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	211.80	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.71	
<b>07 72 23</b>			<b>Relief Vents <sup>(07 72)</sup></b>		
<b>07 72 23 00-0001</b>			<b>Wind Driven Turbine Ventilators <sup>(07 72 23)</sup></b>		
			Note: Excludes curb or flange base.		
<b>07 72 23 00-0002</b>			<b>Galvanized Steel, Wind Driven Turbine Ventilators <sup>(07 72 23 00-0001)</sup></b>		
07 72 23 00-0003	EA		6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	146.00	38.97
			<i>For Curb Or Flange Base, Add</i>	175.98	
07 72 23 00-0004	EA		9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	173.85	43.15
			<i>For Curb Or Flange Base, Add</i>	194.33	
07 72 23 00-0005	EA		12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	190.20	51.51
			<i>For Curb Or Flange Base, Add</i>	219.67	
07 72 23 00-0006	EA		15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	344.48	57.07
			<i>For Curb Or Flange Base, Add</i>	329.03	
07 72 23 00-0007	EA		18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	467.38	64.03
			<i>For Curb Or Flange Base, Add</i>	358.23	
07 72 23 00-0008	EA		21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	559.89	69.59
			<i>For Curb Or Flange Base, Add</i>	388.29	
07 72 23 00-0009	EA		24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	710.25	77.95
			<i>For Curb Or Flange Base, Add</i>	469.44	
07 72 23 00-0010	EA		36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	1,161.70	104.40
			<i>For Curb Or Flange Base, Add</i>	748.75	
<b>07 72 23 00-0011</b>			<b>Mill Finish Aluminum, Wind Driven Turbine Ventilators <sup>(07 72 23 00-0001)</sup></b>		
07 72 23 00-0012	EA		6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	145.54	38.97
			<i>For Curb Or Flange Base, Add</i>	184.49	
07 72 23 00-0013	EA		9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	179.43	43.15
			<i>For Curb Or Flange Base, Add</i>	203.91	
07 72 23 00-0014	EA		12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	202.45	51.51
			<i>For Curb Or Flange Base, Add</i>	229.32	
07 72 23 00-0015	EA		15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	345.21	57.07
			<i>For Curb Or Flange Base, Add</i>	366.55	
07 72 23 00-0016	EA		18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	441.27	64.03
			<i>For Curb Or Flange Base, Add</i>	393.99	
07 72 23 00-0017	EA		21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	553.07	69.59
			<i>For Curb Or Flange Base, Add</i>	441.36	
07 72 23 00-0018	EA		24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	740.25	77.95
			<i>For Curb Or Flange Base, Add</i>	528.68	
07 72 23 00-0019	EA		36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	1,097.62	104.40
			<i>For Curb Or Flange Base, Add</i>	784.68	
<b>07 72 23 00-0020</b>			<b>Stationary Siphon Ventilators <sup>(07 72 23)</sup></b>		
			Note: Excludes curb or flange base.		
<b>07 72 23 00-0021</b>			<b>Galvanized Steel, Stationary Siphon Ventilators <sup>(07 72 23 00-0020)</sup></b>		
07 72 23 00-0022	EA		6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator .....	126.17	38.97
			<i>For Curb Or Flange Base, Add</i>	175.98	
07 72 23 00-0023	EA		9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator .....	162.51	43.15
			<i>For Curb Or Flange Base, Add</i>	194.33	
07 72 23 00-0024	EA		12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator .....	180.90	51.51
			<i>For Curb Or Flange Base, Add</i>	219.67	
07 72 23 00-0025	EA		15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator .....	293.59	57.07
			<i>For Curb Or Flange Base, Add</i>	329.03	
07 72 23 00-0026	EA		18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator .....	338.60	64.03
			<i>For Curb Or Flange Base, Add</i>	358.23	
07 72 23 00-0027	EA		21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator .....	468.88	69.59
			<i>For Curb Or Flange Base, Add</i>	388.29	
07 72 23 00-0028	EA		24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator .....	604.77	77.95
			<i>For Curb Or Flange Base, Add</i>	469.44	
07 72 23 00-0029	EA		36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator .....	872.34	104.40
			<i>For Curb Or Flange Base, Add</i>	748.75	
<b>07 72 23 00-0030</b>			<b>Mill Finish Aluminum, Stationary Siphon Ventilators <sup>(07 72 23 00-0020)</sup></b>		
07 72 23 00-0031	EA		6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator .....	140.55	38.97
			<i>For Curb Or Flange Base, Add</i>	184.49	
07 72 23 00-0032	EA		9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator .....	182.41	43.15
			<i>For Curb Or Flange Base, Add</i>	203.91	
07 72 23 00-0033	EA		12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator .....	204.96	51.51
			<i>For Curb Or Flange Base, Add</i>	229.32	
07 72 23 00-0034	EA		15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator .....	321.71	57.07
			<i>For Curb Or Flange Base, Add</i>	366.55	
07 72 23 00-0035	EA		18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator .....	401.35	64.03
			<i>For Curb Or Flange Base, Add</i>	393.99	
07 72 23 00-0036	EA		21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator .....	488.17	69.59
			<i>For Curb Or Flange Base, Add</i>	441.36	
07 72 23 00-0037	EA		24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator .....	690.37	77.95
			<i>For Curb Or Flange Base, Add</i>	528.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0038	EA		36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	1,033.85 784.68	104.40
<b>07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators (07 72 23)</b>					
Note: Includes flange base and bird screen. Excludes curb.					
07 72 23 00-0040	EA		8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	299.20 135.53 221.68	62.64
07 72 23 00-0041	EA		10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	363.74 148.28 242.73	69.59
07 72 23 00-0042	EA		12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	414.47 202.49 306.27	83.52
07 72 23 00-0043	EA		16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	499.14 231.19 353.32	91.87
07 72 23 00-0044	EA		24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	1,252.31 290.19 466.58	125.28
07 72 23 00-0045	EA		30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	1,524.25 342.80 556.16	144.76
07 72 23 00-0046	EA		36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	2,058.25 342.80 583.83	167.03
07 72 23 00-0047	EA		42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	2,859.97 358.75 607.51	180.96
07 72 23 00-0048	EA		48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	4,074.65 398.61 680.62	194.88
<b>07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators (07 72 23)</b>					
Note: Includes flange base and bird screen. Excludes curb.					
07 72 23 00-0050	EA		8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	505.93	69.59
07 72 23 00-0051	EA		12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	600.73	91.87
07 72 23 00-0052	EA		16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	859.96	125.28
07 72 23 00-0053	EA		24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	1,299.26	144.76
<b>07 72 26 Ridge Vents (07 72)</b>					
<b>07 72 26 00-0001 Aluminum Ridge Vents (07 72 26)</b>					
07 72 26 00-0002	LF		Aluminum Ridge Vent Strips	13.33	4.04
07 72 26 00-0003	EA		Aluminum Ridge Univent Connectors	60.49	25.09
07 72 26 00-0004	EA		Aluminum Ridge Univent End Cap	57.86	25.09
<b>07 72 26 00-0005 Galvanized Ridge Vents (07 72 26)</b>					
07 72 26 00-0006	LF		Galvanized Sheet Metal Ridge Vent Strips	14.38	4.32
<b>07 72 29 Rafter Vent (07 72)</b>					
<b>07 72 29 00-0001 Rafter Vent (07 72 29)</b>					
Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.					
07 72 29 00-0002	EA		22" x 4' Rafter Vent	8.81	
07 72 29 00-0003	EA		14" x 4' Rafter Vent	8.07	
<b>07 72 33 Roof Hatches (07 72)</b>					
Note: Includes curb with integral insulation, lockable hatch and gaskets.					
<b>07 72 33 00-0001 Galvanized Steel Cover And Curb (07 72 33)</b>					
07 72 33 00-0002	EA		2'-6" x 3'-0" Galvanized Steel Roof Hatch (Bilco S-20)	1,248.44	168.50
07 72 33 00-0003	EA		2'-6" x 4'-6" Galvanized Steel Roof Hatch (Bilco NB-20)	1,810.72	187.23
07 72 33 00-0004	EA		2'-6" x 8'-0" Galvanized Steel Roof Hatch (Bilco L-20)	3,170.73	255.33
07 72 33 00-0005	EA		3'-0" x 3'-0" Galvanized Steel Roof Hatch (Bilco E-20)	1,780.85	187.23
07 72 33 00-0006	EA		4'-0" x 4'-0" Galvanized Steel Roof Hatch	2,008.47	208.06
07 72 33 00-0007	EA		3'-0" x 8'-0" Galvanized Steel Roof Hatch	3,275.64	283.77
<b>07 72 33 00-0008 Aluminum Cover And Curb (07 72 33)</b>					
07 72 33 00-0009	EA		2'-6" x 3'-0" Aluminum Roof Hatch (Bilco S-50)	1,150.51	168.50
07 72 33 00-0010	EA		2'-6" x 4'-6" Aluminum Roof Hatch (Bilco NB-50)	1,479.80	187.23
07 72 33 00-0011	EA		2'-6" x 8'-0" Aluminum Roof Hatch (Bilco L-50)	2,648.01	255.33
07 72 33 00-0012	EA		3'-0" x 3'-0" Aluminum Roof Hatch (Bilco E-50)	1,443.24	187.23
07 72 33 00-0013	EA		4'-0" x 4'-0" Aluminum Roof Hatch (Bilco F-50)	2,515.19	208.06
07 72 33 00-0014	EA		3'-0" x 8'-0" Aluminum Roof Hatch	2,787.06	283.77
07 72 33 00-0015	EA		3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight (Bilco GS-50)	1,605.45	187.23
<b>07 72 33 00-0016 Steel, Plain, Primed (07 72 33)</b>					
07 72 33 00-0017	EA		2'-6" x 3'-0" Plain Steel Roof Hatch Primed (Bilco S-20)	1,199.63	168.50

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
07 72 33 00-0018	EA	2'-6" x 4'-6" Plain Steel Roof Hatch Primed (Bilco NB-20)	.....	1,607.98	187.23
07 72 33 00-0019	EA	2'-6" x 8'-0" Plain Steel Roof Hatch Primed (Bilco L-20)	.....	2,202.43	255.33
07 72 33 00-0020	EA	3'-0" x 3'-0" Plain Steel Roof Hatch Primed (Bilco E-20)	.....	1,492.62	187.23
07 72 33 00-0021	EA	4'-0" x 4'-0" Plain Steel Roof Hatch Primed	.....	1,822.51	208.06
07 72 33 00-0022	EA	3'-0" x 8'-0" Plain Steel Roof Hatch Primed	.....	2,476.03	283.77
<b>07 72 33 00-0023</b>		<b>Stainless Steel</b> <small>(07 72 33)</small>			
07 72 33 00-0024	EA	2'-6" x 3'-0" Stainless Steel Roof Hatch (Bilco S-90)	.....	2,485.58	168.50
07 72 33 00-0025	EA	2'-6" x 4'-6" Stainless Steel Roof Hatch (Bilco NB-90)	.....	4,693.70	187.23
07 72 33 00-0026	EA	2'-6" x 8'-0" Stainless Steel Roof Hatch (Bilco L-90)	.....	7,046.12	255.33
07 72 33 00-0027	EA	3'-0" x 3'-0" Stainless Steel Roof Hatch (Bilco E-90)	.....	3,777.85	187.23
07 72 33 00-0028	EA	4'-0" x 4'-0" Stainless Steel Roof Hatch	.....	7,903.34	208.06
07 72 33 00-0029	EA	3'-0" x 8'-0" Stainless Steel Roof Hatch	.....	8,872.93	283.77
<b>07 72 33 00-0030</b>		<b>Removal And Reinstallation Of Roof Hatch</b> <small>(07 72 33)</small>			
		Note: Includes storage, cleaning and supply materials.			
07 72 33 00-0031	EA	Removal And Reinstallation Of Roof Hatch (All Types)	.....	518.29	
<b>07 72 33 00-0032</b>		<b>Aluminum Cover And Galvanized Steel Curb</b> <small>(07 72 33)</small>			
07 72 33 00-0033	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof (Bilco S-40)	.....	1,117.06	187.23
07 72 33 00-0034	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof (Bilco NB-40)	.....	1,446.35	208.06
07 72 33 00-0035	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof (Bilco L-40)	.....	2,561.04	283.65
07 72 33 00-0036	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof (Bilco E-40)	.....	1,416.48	193.08
07 72 33 00-0037	EA	Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof (Bilco F-40)	.....	2,441.60	213.90
<b>07 72 33 00-0038</b>		<b>Roof Hatch Accessories</b> <small>(07 72 33)</small>			
07 72 33 00-0039	EA	Roof Hatch Ladderup Safety Post (Bilco LU-1)	.....	768.81	87.76
<b>07 72 33 00-0040</b>		<b>Roof Hatch Safety Railing</b> <small>(07 72 33)</small>			
		Note: Included mounting bracket to attach to roof hatch			
07 72 33 00-0041	EA	24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-24x24)	.....	1,566.58	
07 72 33 00-0042	EA	24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-24x36)	.....	1,628.13	
07 72 33 00-0043	EA	30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-30x30)	.....	1,665.00	
07 72 33 00-0044	EA	30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-30x36)	.....	1,805.37	
07 72 33 00-0045	EA	36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-36x36)	.....	1,968.14	
07 72 33 00-0046	EA	48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-48x48)	.....	2,480.79	
<b>07 72 36</b>		<b>Smoke Vents</b> <small>(07 72)</small>			
<b>07 72 36 00-0001</b>		<b>Fire Vent</b> <small>(07 72 36)</small>			
<b>07 72 36 00-0002</b>		<b>Galvanized Steel Covers And Curb</b> <small>(07 72 36 00-0001)</small>			
07 72 36 00-0003	EA	4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848)	.....	3,134.94	156.10
07 72 36 00-0004	EA	4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872)	.....	3,613.21	214.61
07 72 36 00-0005	EA	4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890)	.....	4,116.65	234.15
07 72 36 00-0006	EA	4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896)	.....	4,199.28	245.85
07 72 36 00-0007	EA	5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060)	.....	4,859.11	214.61
07 72 36 00-0008	EA	5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072)	.....	5,167.29	234.15
07 72 36 00-0009	EA	5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084)	.....	5,456.87	253.70
07 72 36 00-0010	EA	5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096)	.....	6,211.34	273.23
07 72 36 00-0011	EA	5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120)	.....	7,700.34	292.66
07 72 36 00-0012	EA	5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666)	.....	5,168.64	253.70
07 72 36 00-0013	EA	5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114)	.....	10,835.05	312.20
07 72 36 00-0014	EA	6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272)	.....	5,964.39	331.75
<b>07 72 36 00-0015</b>		<b>Aluminum Covers And Galvanized Steel Curb</b> <small>(07 72 36 00-0001)</small>			
07 72 36 00-0016	EA	4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4848A)	.....	2,401.66	156.10
07 72 36 00-0017	EA	4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4872A)	.....	2,763.73	214.61
07 72 36 00-0018	EA	4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4890A)	.....	3,107.42	234.15
07 72 36 00-0019	EA	4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4896A)	.....	3,218.64	245.85
07 72 36 00-0020	EA	5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6060A)	.....	3,118.31	214.61
07 72 36 00-0021	EA	5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6072A)	.....	3,970.46	234.15
07 72 36 00-0022	EA	5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6084A)	.....	4,247.24	253.70
07 72 36 00-0023	EA	5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6096A)	.....	4,142.67	273.23
07 72 36 00-0024	EA	5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-60120A)	.....	5,790.96	292.66
07 72 36 00-0025	EA	5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6666A)	.....	4,013.08	253.70
07 72 36 00-0026	EA	5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-66144A)	.....	7,573.05	312.20
07 72 36 00-0027	EA	6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-7272A)	.....	3,962.83	331.75
<b>07 72 36 00-0028</b>		<b>Aluminum Covers And Curb</b> <small>(07 72 36 00-0001)</small>			
07 72 36 00-0029	EA	4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848B)	.....	2,615.75	156.10
07 72 36 00-0030	EA	4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872B)	.....	3,118.31	214.61
07 72 36 00-0031	EA	4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890B)	.....	3,421.86	234.15
07 72 36 00-0032	EA	4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896B)	.....	3,620.05	245.85
07 72 36 00-0033	EA	5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060B)	.....	3,278.88	214.61
07 72 36 00-0034	EA	5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072B)	.....	4,137.71	234.15
07 72 36 00-0035	EA	5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084B)	.....	4,394.42	253.70



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 36 00-0036	EA		5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096B) .....	4,544.08	273.23
07 72 36 00-0037	EA		5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120B).....	5,503.28	292.66
07 72 36 00-0038	EA		5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666B) .....	4,200.40	253.70
07 72 36 00-0039	EA		5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114B).....	8,262.14	312.20
07 72 36 00-0040	EA		6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272B) .....	4,364.25	331.75
<b>07 72 36 00-0041 Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb</b> <small>(07 72 36)</small>					
07 72 36 00-0042	EA		4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4848B) .....	2,588.99	155.64
07 72 36 00-0043	EA		4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4872B).....	3,285.55	214.61
07 72 36 00-0044	EA		4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4896B).....	3,479.54	245.85
07 72 36 00-0045	EA		5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6060B).....	3,720.43	214.61
07 72 36 00-0046	EA		5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6096B).....	3,941.98	273.23
<b>07 72 46 Roof Walkways</b> <small>(07 72)</small>					
<b>07 72 46 00-0001 Recycled Rubber Walkway Pads</b> <small>(07 72 46)</small>					
07 72 46 00-0002	SF		3/8" Thick, Button Surface, Recycled Rubber Walkway Pad ..... <i>For Diamond Surface, Add</i>	9.37 0.77	2.39
07 72 46 00-0003	SF		1/2" Thick, Button Surface, Recycled Rubber Walkway Pad ..... <i>For Diamond Surface, Add</i>	10.42 0.90	2.87
07 72 46 00-0004	SF		3/4" Thick, Button Surface, Recycled Rubber Walkway Pad ..... <i>For Diamond Surface, Add</i>	11.50 1.00	2.87
<b>07 72 53 Snow Guards</b> <small>(07 72)</small>					
<b>07 72 53 00-0001 Snow Guards For Shingle And Tile Roofs</b> <small>(07 72 53)</small>					
07 72 53 00-0002	EA		6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs .....	17.76	2.43
07 72 53 00-0003	EA		6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs.....	19.38	2.43
07 72 53 00-0004	EA		6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs .....	18.31	2.43
07 72 53 00-0005	EA		6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs .....	10.82	2.43
<b>07 72 53 00-0006 Snow Guards For Metal Roofs</b> <small>(07 72 53)</small>					
Note: Aluminum construction.					
07 72 53 00-0007	EA		Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	24.42	4.98
07 72 53 00-0008	EA		Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	26.97	4.98
07 72 53 00-0009	EA		Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	39.03	4.98
07 72 53 00-0010	EA		Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	38.48	4.98
07 72 53 00-0011	EA		Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	36.52	5.81
07 72 53 00-0012	EA		Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	39.73	5.81
07 72 53 00-0013	EA		Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	49.15	5.81
07 72 53 00-0014	EA		Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)..... <i>For Mechanically Fastened, Add</i>	21.34 8.71	4.36
07 72 53 00-0015	EA		Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)..... <i>For Mechanically Fastened, Add</i>	23.98 8.71	4.36
07 72 53 00-0016	EA		Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)..... <i>For Mechanically Fastened, Add</i>	32.98 8.71	4.36
07 72 53 00-0017	EA		Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15) .....	13.60	4.36
Note: Can be used for metal, rubber, PVC, TPO or glass roofing.					
				11.62	
<b>07 72 53 00-0018 Snow Breaker For Roofs</b> <small>(07 72 53)</small>					
07 72 53 00-0019	EA		Up To 50 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....	16.40	5.81
07 72 53 00-0020	EA		>50 To 150 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount .....	15.62	5.81
07 72 53 00-0021	EA		>150 To 500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount .....	15.24	5.81
07 72 53 00-0022	EA		>500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount .....	14.77	5.81
<b>07 72 53 00-0023 Ice Breaker For Vents</b> <small>(07 72 53)</small>					
07 72 53 00-0024	EA		Ice Breaker For Vents Up to 4", Mechanically Fastened.....	114.04	
07 72 53 00-0025	EA		Ice Breaker For Vents And Stacks >4" To 14" Diameter, Mechanically Fastened .....	130.64	
<b>07 72 53 00-0026 Pipe Style, Snow Guards For Metal Roofs</b> <small>(07 72 53)</small>					
<b>07 72 53 00-0027 Pipe Style, Standing Seam Metal Roof Snow Guard Clamps</b> <small>(07 72 53 00-0026)</small>					
Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.					
07 72 53 00-0028	EA		Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	59.57	17.43
07 72 53 00-0029	EA		Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000) .....	69.09	17.43
07 72 53 00-0030	EA		Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000).....	76.69	17.43
07 72 53 00-0031	EA		Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000) .....	93.05	17.43
07 72 53 00-0032	EA		Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000).....	97.55	20.92

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 53 00-0033			<b>07 72 53 00-0033 Tubing For Snow Guard Clamps</b> (07 72 53 00-0026)		
07 72 53 00-0034	LF		1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®) .....12.77	12.77	4.18
			Note: Includes end caps, collars and couplings.		
07 72 53 00-0035	LF		1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®) .....22.87	22.87	4.18
			Note: Includes end caps, collars and couplings.		
<b>07 72 56</b>			<b>Snow/Ice Melt Cable</b> (07 72)		
07 72 56 00-0001			<b>07 72 56 00-0001 Self Regulating Heating Cable For Roofs And Gutters</b> (07 72 56)		
07 72 56 00-0002	LF		12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters .....11.95	11.95	0.96
			Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0003	LF		12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters .....12.84	12.84	0.96
			Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0004	EA		Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters .....195.66	195.66	72.34
07 72 56 00-0005	EA		Splice Kit For Self Regulating Heating Cable For Roofs And Gutters .....148.98	148.98	53.06
07 72 56 00-0006	EA		Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters .....7.33	7.33	2.89
			For >5, Deduct	-0.58	
07 72 56 00-0007	EA		Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters .....6.86	6.86	2.89
			For >5, Deduct	-0.53	
07 72 56 00-0008	EA		Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters .....47.07	47.07	7.24
07 72 56 00-0009	EA		120 Volt AC, Snow Switch, Automatic Control For Melting Snow .....754.90	754.90	57.88
07 72 56 00-0010	EA		Automatic Gutter Ice Melting Control .....1,034.65	1,034.65	72.34
<b>07 72 63</b>			<b>Waste Containment Assemblies</b> (07 72)		
07 72 63 00-0001			<b>07 72 63 00-0001 Rooftop Oil And Grease Containment System</b> (07 72 63)		
07 72 63 00-0002			<b>07 72 63 00-0002 Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E)</b> (07 72 63 00-0001)		
07 72 63 00-0003	EA		48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E) .....2,238.87	2,238.87	194.43
07 72 63 00-0004	EA		60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E) .....2,492.37	2,492.37	194.43
07 72 63 00-0005	EA		60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E) .....3,041.92	3,041.92	202.21
07 72 63 00-0006	EA		72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E) .....3,027.43	3,027.43	202.21
07 72 63 00-0007	EA		72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E) .....3,934.58	3,934.58	218.74
07 72 63 00-0008	EA		72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E) .....3,090.53	3,090.53	218.74
07 72 63 00-0009	EA		90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E) .....3,451.14	3,451.14	259.18
07 72 63 00-0010	EA		108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E) .....5,058.36	5,058.36	324.02
07 72 63 00-0011	EA		120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E) .....6,246.54	6,246.54	324.02
07 72 63 00-0012	EA		144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E) .....7,876.66	7,876.66	324.02
07 72 63 00-0013			<b>07 72 63 00-0013 Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD)</b> (07 72 63 00-0001)		
07 72 63 00-0014	EA		48" Length, 48" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100) .....2,735.07	2,735.07	194.43
07 72 63 00-0015	EA		60" Length, 60" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101) .....3,064.74	3,064.74	194.43
07 72 63 00-0016	EA		60" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106) .....3,770.05	3,770.05	202.21
07 72 63 00-0017	EA		72" Length, 72" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102) .....3,835.27	3,835.27	202.21
07 72 63 00-0018	EA		72" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103) .....5,445.17	5,445.17	218.74
07 72 63 00-0019	EA		72" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111) .....5,963.19	5,963.19	218.74
07 72 63 00-0020	EA		90" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105) .....5,566.69	5,566.69	259.18
07 72 63 00-0021	EA		108" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112) .....6,282.76	6,282.76	324.02
07 72 63 00-0022	EA		120" Length, 120" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107) .....7,829.57	7,829.57	324.02
07 72 63 00-0023	EA		144" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113) .....9,948.73	9,948.73	324.02
07 72 63 00-0024			<b>07 72 63 00-0024 Replacement Filter Sets For Rooftop Oil And Grease Containment System</b> (07 72 63)		
			Note: Includes removing old filters and installing new filters.		
07 72 63 00-0025			<b>07 72 63 00-0025 Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System</b> (07 72 63 00-0024)		
07 72 63 00-0026			<b>07 72 63 00-0026 Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System</b> (07 72 63 00-0025)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 72 63 00-0027	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E) .....		182.54	
07 72 63 00-0028	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E) .....		255.00	
07 72 63 00-0029	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E) .....		363.66	
07 72 63 00-0030	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E) .....		337.17	
07 72 63 00-0031	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E) .....		626.98	
07 72 63 00-0032	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E) .....		634.21	
07 72 63 00-0033	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E) .....		491.79	
07 72 63 00-0034	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E) .....		636.70	
07 72 63 00-0035	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E) .....		930.12	
07 72 63 00-0036	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E) .....		1,223.54	

**07 72 63 00-0037 Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System** (07 72 63 00-0024)

**07 72 63 00-0038 Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System** (07 72 63 00-0037)

07 72 63 00-0039	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC).....		378.25	
07 72 63 00-0040	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC).....		501.43	
07 72 63 00-0041	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC).....		726.02	
07 72 63 00-0042	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC).....		677.78	
07 72 63 00-0043	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC).....		1,297.23	
07 72 63 00-0044	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC).....		1,304.46	
07 72 63 00-0045	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC).....		970.06	
07 72 63 00-0046	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC).....		1,306.96	
07 72 63 00-0047	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC).....		1,911.91	
07 72 63 00-0048	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC).....		2,542.23	

**07 72 63 00-0049 Heavy Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System** (07 72 63 00-0037)

07 72 63 00-0050	SET	48" Length, 48" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C).....		468.82	
07 72 63 00-0051	SET	60" Length, 60" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C).....		581.12	
07 72 63 00-0052	SET	60" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C).....		849.18	
07 72 63 00-0053	SET	72" Length, 72" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C).....		804.57	
07 72 63 00-0054	SET	72" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C).....		1,561.66	
07 72 63 00-0055	SET	72" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C).....		1,554.43	
07 72 63 00-0056	SET	90" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C).....		1,136.70	
07 72 63 00-0057	SET	108" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C).....		1,571.39	
07 72 63 00-0058	SET	120" Length, 120" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C).....		2,201.71	
07 72 63 00-0059	SET	144" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C).....		3,060.25	

**07 73 Roof Protection Board** (07 70)

**07 73 00 00-0001 Roof Protection Board** (07 73)

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.

**07 73 00 00-0002 Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®)** (07 73 00 00-0001)

07 73 00 00-0003	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Cold Adhesive Applied .....		3.11	0.48
		<i>For No Adhesive, Deduct</i> .....		-0.66	
07 73 00 00-0004	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Cold Adhesive Applied .....		3.51	0.53
		<i>For No Adhesive, Deduct</i> .....		-0.68	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 73 Roof Protection Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0005	SF		5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Cold Adhesive Applied .....	3.70	0.58
			<i>For No Adhesive, Deduct</i> .....	-0.69	
07 73 00 00-0006	SF		1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Cold Adhesive Applied.....	3.16	0.48
			<i>For No Adhesive, Deduct</i> .....	-0.66	
07 73 00 00-0007	SF		1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Cold Adhesive Applied.....	3.57	0.53
			<i>For No Adhesive, Deduct</i> .....	-0.68	
07 73 00 00-0008	SF		5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Cold Adhesive Applied.....	3.76	0.58
			<i>For No Adhesive, Deduct</i> .....	-0.69	
<b>07 73 00 00-0009</b>			<b>Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®)</b> (07 73 00 00-0001)		
07 73 00 00-0010	SF		1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Hot-Mopped.....	3.05	0.48
07 73 00 00-0011	SF		1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Hot-Mopped.....	3.46	0.53
07 73 00 00-0012	SF		5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Hot-Mopped.....	3.67	0.58
07 73 00 00-0013	SF		1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Hot-Mopped .....	3.09	0.48
07 73 00 00-0014	SF		1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Hot-Mopped.....	3.52	0.53
07 73 00 00-0015	SF		5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Hot-Mopped.....	3.73	0.58
<b>07 73 00 00-0016</b>			<b>Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®)</b> (07 73 00 00-0001)		
			Note: Mechanically fastened to wood or steel.		
07 73 00 00-0017	SF		1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	2.95	0.48
			<i>For Mechanically Fastened To Concrete, Add</i> .....	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i> .....	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.24	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.06	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	2.91	
07 73 00 00-0018	SF		1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	3.34	0.53
			<i>For Mechanically Fastened To Concrete, Add</i> .....	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i> .....	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.31	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.13	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	2.91	
07 73 00 00-0019	SF		5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	3.53	0.58
			<i>For Mechanically Fastened To Concrete, Add</i> .....	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i> .....	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.36	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.18	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	2.91	
07 73 00 00-0020	SF		1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	2.99	0.48
			<i>For Mechanically Fastened To Concrete, Add</i> .....	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i> .....	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.24	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.06	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	2.91	
07 73 00 00-0021	SF		1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	3.40	0.53
			<i>For Mechanically Fastened To Concrete, Add</i> .....	1.30	
			<i>For Mechanically Fastened To Gypsum, Add</i> .....	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.31	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	1.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.13	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	2.91	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 73 00 00-0022	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	3.59	0.58
		<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.63	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.36	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.94	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.18	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.91	

07 76 Roof Pavers (07 70)

**07 76 16 Roof Decking Pavers (07 76)**

**07 76 16 00-0001 Roof Pavers (07 76 16)**

Note: For walkway application over roofing system.

07 76 16 00-0002	SF	Up To 100 SF, 2" Concrete Roof Paver.....	12.11	6.20
		<i>For 1-1/2" Thickness, Deduct</i>	-1.21	
		<i>For 2-1/2" Thickness, Add</i>	1.41	
		<i>For 3" Thickness, Add</i>	2.82	
07 76 16 00-0003	SF	>100 To 200 SF, 2" Concrete Roof Paver.....	10.94	4.68
		<i>For 1-1/2" Thickness, Deduct</i>	-1.09	
		<i>For 2-1/2" Thickness, Add</i>	1.28	
		<i>For 3" Thickness, Add</i>	2.57	
07 76 16 00-0004	SF	>200 To 400 SF, 2" Concrete Roof Paver.....	10.25	3.72
		<i>For 1-1/2" Thickness, Deduct</i>	-1.03	
		<i>For 2-1/2" Thickness, Add</i>	1.20	
		<i>For 3" Thickness, Add</i>	2.41	
07 76 16 00-0005	SF	>400 To 1,000 SF, 2" Concrete Roof Paver.....	9.81	3.24
		<i>For 1-1/2" Thickness, Deduct</i>	-0.98	
		<i>For 2-1/2" Thickness, Add</i>	1.15	
		<i>For 3" Thickness, Add</i>	2.30	
07 76 16 00-0006	SF	>1,000 SF, 2" Concrete Roof Paver.....	9.26	2.96
		<i>For 1-1/2" Thickness, Deduct</i>	-0.93	
		<i>For 2-1/2" Thickness, Add</i>	1.08	
		<i>For 3" Thickness, Add</i>	2.17	

**07 76 16 00-0007 Roof Paver Pedestal (07 76 16)**

07 76 16 00-0008	EA	2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator).....	18.70	0.97
07 76 16 00-0009	EA	3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator).....	19.66	0.97
07 76 16 00-0010	EA	4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator).....	20.64	0.97
07 76 16 00-0011	EA	Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator).....	10.29	0.97
07 76 16 00-0012	EA	Stay Bar, Used With Roof Paver Pedestals >16" High (Hanover Elevator).....	9.50	0.97
07 76 16 00-0013	EA	5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal).....	9.72	0.97
		Note: Stackable.		
07 76 16 00-0014	EA	1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal.....	5.43	0.97
		Note: Used with High Tab and Elevator pedestals.		
07 76 16 00-0015	EA	Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator).....	7.43	0.97
		Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.		

**07 76 19 Composite Insulation Concrete Protection Board (07 76)**

Note: Manufactured by T. Clear Corp. 25 year warranty.

**07 76 19 00-0001 Composite Insulation Concrete Protection Board (07 76 19)**

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0002	SF	2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	4.46	
		<i>For 20 Year Warranty, Deduct</i>	-0.25	
		<i>For 15 Year Warranty, Deduct</i>	-0.50	
		<i>For 10 Year Warranty, Deduct</i>	-0.68	
		<i>For Winds &gt;90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0003	SF	3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	5.76	
		<i>For 20 Year Warranty, Deduct</i>	-0.36	
		<i>For 15 Year Warranty, Deduct</i>	-0.71	
		<i>For 10 Year Warranty, Deduct</i>	-0.97	
		<i>For Winds &gt;90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0004	SF	2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF.....	6.78	
		<i>For 20 Year Warranty, Deduct</i>	-0.41	
		<i>For 15 Year Warranty, Deduct</i>	-0.83	
		<i>For 10 Year Warranty, Deduct</i>	-1.12	
		<i>For Winds &gt;90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0005	SF	3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF.....	8.16	
		<i>For 20 Year Warranty, Deduct</i>	-0.52	
		<i>For 15 Year Warranty, Deduct</i>	-1.04	
		<i>For 10 Year Warranty, Deduct</i>	-1.41	
		<i>For Winds &gt;90 MPH To 120 MPH Warranty, Add</i>	0.10	

07 80 Fire and Smoke Protection (07)

07 81 Applied Fireproofing (07 80)

Note: Includes bonding agents as required.

**07 81 16 Cementitious Fireproofing (07 81)**

**07 81 16 00-0001 Monokote Fireproofing (07 81 16)**

**07 Thermal And Moisture Protection****07 80 Fire and Smoke Protection****07 81 Applied Fireproofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 16 00-0002	SF		Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness .....	1.89	0.67
07 81 16 00-0003	SF		Monokote Fireproofing For Structural Steel, Per Inch Of Thickness .....	2.64	1.00
<b>07 81 16 00-0004</b>			<b>Gunite Fireproofing (07 81 16)</b>		
07 81 16 00-0005	SF		Fireproofing, Gunite, Non Reinforced, 1" Thick .....	3.10	0.66
07 81 16 00-0006	SF		Fireproofing, Gunite, Reinforced, 1" Thick .....	4.42	0.66
<b>07 81 23</b>			<b>Intumescent Fireproofing (07 81)</b>		
07 81 23 00-0001			Intumescent Thin Film Fireproofing (Albi Clad TF) (07 81 23)		
07 81 23 00-0002			Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) (07 81 23 00-0001)		
			Note: Excludes primer.		
07 81 23 00-0003	SF		1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF).....	12.14	
			For >10,000, Deduct	-1.16	
07 81 23 00-0004	SF		1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) .....	19.48	
			For >10,000, Deduct	-1.89	
07 81 23 00-0005			Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) (07 81 23 00-0001)		
			Note: Excludes primer.		
07 81 23 00-0006	SF		1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	7.90	
			For >10,000, Deduct	-0.73	
07 81 23 00-0007	SF		1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) .....	17.46	
			For >10,000, Deduct	-1.69	
07 81 23 00-0008	SF		2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	39.47	
			For >10,000, Deduct	-3.88	
07 81 23 00-0009	SF		2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) .....	54.31	
			For >10,000, Deduct	-5.36	
07 81 23 00-0010	SF		3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	69.17	
			For >10,000, Deduct	-6.85	
07 81 23 00-0011	SF		3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) .....	84.05	
			For >10,000, Deduct	-8.33	
07 81 23 00-0012			Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) (07 81 23 00-0001)		
			Note: Excludes primer.		
07 81 23 00-0013	SF		1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	15.91	
			For >10,000, Deduct	-1.54	
07 81 23 00-0014	SF		1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	29.53	
			For >10,000, Deduct	-2.89	
07 81 23 00-0015	SF		2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	46.86	
			For >10,000, Deduct	-4.62	
07 81 23 00-0016	SF		2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	65.42	
			For >10,000, Deduct	-6.48	
07 81 23 00-0017	SF		3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	82.74	
			For >10,000, Deduct	-8.20	
07 81 23 00-0018			Intumescent Thin Film Fireproofing (Albi Clad FP) (07 81 23)		
07 81 23 00-0019			Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) (07 81 23 00-0018)		
			Note: Excludes primer.		
07 81 23 00-0020	SF		1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP).....	7.72	
			For >10,000, Deduct	-0.74	
07 81 23 00-0021	SF		1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP).....	17.57	
			For >10,000, Deduct	-1.72	
07 81 23 00-0022	SF		2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP).....	40.23	
			For >10,000, Deduct	-3.98	
07 81 23 00-0023	SF		2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP).....	55.51	
			For >10,000, Deduct	-5.50	
07 81 23 00-0024	SF		3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP).....	70.81	
			For >10,000, Deduct	-7.03	
<b>07 81 33</b>			<b>Mineral-Fiber Fireproofing (07 81)</b>		
07 81 33 00-0001			Cellulose Fireproofing (07 81 33)		
07 81 33 00-0002	SF		Cellulose Fireproofing, Per Inch Of Thickness .....	2.39	0.66
07 84			Firestopping (07 80)		
<b>07 84 13</b>			<b>Penetration Firestopping (07 84)</b>		
<b>07 84 13 16</b>			<b>Penetration Firestopping Devices (07 84 13)</b>		

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 84 13 16-0001	<b>Firestopping Systems For Cable Penetrations</b> (07 84 13 16)			
07 84 13 16-0002	<b>Intumescent Firestop Cable Sleeve For New Installations</b> (07 84 13 16-0001)			
	Note: Includes putty, escutcheon plates, gaskets and bushings.			
07 84 13 16-0003	EA	1" Diameter Intumescent Firestop Sleeve (STI FS100)	57.67	
07 84 13 16-0004	EA	2" Diameter Intumescent Firestop Sleeve (STI FS201)	77.23	
07 84 13 16-0005	EA	4" Diameter Intumescent Firestop Sleeve (STI FS401)	124.81	
07 84 13 16-0006	<b>Intumescent Firestop Cable Pathway For New Or Existing Cable Installations</b> (07 84 13 16-0001)			
	Note: Includes pathway, putty and wall/floor mounting plates.			
07 84 13 16-0007	EA	1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	104.52	
07 84 13 16-0008	EA	3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)	182.81	
07 84 13 16-0009	EA	4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	334.08	
07 84 13 16-0010	<b>3M Intumescent Firestopping Multi-Trade Pass Through Device</b> (07 84 13 16)			
07 84 13 16-0011	EA	2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	235.94	
07 84 13 16-0012	EA	4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	218.66	
07 84 13 16-0013	EA	4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	225.22	
07 84 13 16-0014	<b>Intumescent Firestopping Pipe Collar</b> (07 84 13 16)			
07 84 13 16-0015	EA	1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)	35.38	10.18
07 84 13 16-0016	EA	2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)	42.62	10.18
07 84 13 16-0017	EA	3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)	49.57	11.20
07 84 13 16-0018	EA	4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)	77.49	12.72
07 84 13 16-0019	EA	8" Intumescent Firestop Pipe Collar (Hilti CP644 8")	379.83	15.26
07 84 13 16-0020	EA	10" Intumescent Firestop Pipe Collar (Hilti CP644 10")	490.66	16.79
07 84 13 16-0021	<b>Fire Rated Enclosures (Fire Rated Product Specialties Corp.)</b> (07 84 13 16)			
	Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.			
07 84 13 16-0022	EA	12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9)	136.09	
	Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.			
07 84 13 16-0023	EA	15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9)	143.37	
	Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.			
07 84 13 16-0024	EA	11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH)	271.31	
	Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.			
07 84 13 16-0025	EA	14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3)	175.39	
	Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.			
07 84 13 16-0026	<b>Intumescent Firestopping Wrap Strips</b> (07 84 13 16)			
07 84 13 16-0027	LF	1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series)	5.63	
07 84 13 19	<b>Penetration Firestopping Caulk</b> (07 84 13)			
07 84 13 19-0001	<b>Intumescent Firestopping For Sealing Pipe Penetrations</b> (07 84 13 19)			
	Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.			
07 84 13 19-0002	EA	1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	21.11	
	For Intumescent Sealant For Plastic Pipe, Add		0.06	
07 84 13 19-0003	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	25.97	
	For Intumescent Sealant For Plastic Pipe, Add		0.33	
07 84 13 19-0004	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	25.76	
	For Intumescent Sealant For Plastic Pipe, Add		0.24	
07 84 13 19-0005	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	25.42	
	For Intumescent Sealant For Plastic Pipe, Add		0.11	
07 84 13 19-0006	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	30.07	
	For Intumescent Sealant For Plastic Pipe, Add		0.70	
07 84 13 19-0007	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	29.85	
	For Intumescent Sealant For Plastic Pipe, Add		0.62	
07 84 13 19-0008	EA	2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	29.51	
	For Intumescent Sealant For Plastic Pipe, Add		0.48	
07 84 13 19-0009	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	28.98	
	For Intumescent Sealant For Plastic Pipe, Add		0.27	
07 84 13 19-0010	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	28.52	
	For Intumescent Sealant For Plastic Pipe, Add		0.08	
07 84 13 19-0011	EA	2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	36.49	
	For Intumescent Sealant For Plastic Pipe, Add		1.18	
07 84 13 19-0012	EA	2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	36.28	
	For Intumescent Sealant For Plastic Pipe, Add		1.10	
07 84 13 19-0013	EA	2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	35.93	
	For Intumescent Sealant For Plastic Pipe, Add		0.96	
07 84 13 19-0014	EA	2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	35.40	
	For Intumescent Sealant For Plastic Pipe, Add		0.74	
07 84 13 19-0015	EA	2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	34.95	
	For Intumescent Sealant For Plastic Pipe, Add		0.56	
07 84 13 19-0016	EA	2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	33.86	
	For Intumescent Sealant For Plastic Pipe, Add		0.13	

**07 Thermal And Moisture Protection****07 80 Fire and Smoke Protection****07 84 Firestopping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0017	EA		3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	49.87	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	3.18	
07 84 13 19-0018	EA		3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	46.14	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.68	
07 84 13 19-0019	EA		3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	45.79	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.54	
07 84 13 19-0020	EA		3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	45.25	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.33	
07 84 13 19-0021	EA		3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	44.80	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.15	
07 84 13 19-0022	EA		3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	43.72	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.72	
07 84 13 19-0023	EA		3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	42.32	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.16	
07 84 13 19-0024	EA		4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	67.07	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	5.86	
07 84 13 19-0025	EA		4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	66.69	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	5.71	
07 84 13 19-0026	EA		4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	66.07	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	5.46	
07 84 13 19-0027	EA		4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	65.10	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	5.08	
07 84 13 19-0028	EA		4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	64.28	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	4.75	
07 84 13 19-0029	EA		4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	57.92	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	2.20	
07 84 13 19-0030	EA		4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	56.53	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.65	
07 84 13 19-0031	EA		4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	54.41	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.80	
07 84 13 19-0032	EA		6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	107.20	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	13.53	
07 84 13 19-0033	EA		6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	106.82	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	13.38	
07 84 13 19-0034	EA		6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	106.20	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	13.13	
07 84 13 19-0035	EA		6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	105.24	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	12.74	
07 84 13 19-0036	EA		6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	104.42	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	12.42	
07 84 13 19-0037	EA		6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	102.47	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	11.64	
07 84 13 19-0038	EA		6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	99.96	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	10.63	
07 84 13 19-0039	EA		6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	96.14	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	9.10	
07 84 13 19-0040	EA		6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	81.77	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	3.36	
07 84 13 19-0041	EA		8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	142.50	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	21.36	
07 84 13 19-0042	EA		8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	138.68	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	19.84	
07 84 13 19-0043	EA		8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	131.01	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	16.77	
07 84 13 19-0044	EA		8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	99.76	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	4.27	
07 84 13 19-0045	EA		10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	181.24	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	30.57	
07 84 13 19-0046	EA		10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	158.52	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	21.48	
07 84 13 19-0047	EA		10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	118.41	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	5.44	

**07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations** (07 84 13 19)

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA		1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	25.43	
07 84 13 19-0050	EA		1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	25.35	
07 84 13 19-0051	EA		1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	25.24	
07 84 13 19-0052	EA		2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	28.90	
07 84 13 19-0053	EA		2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	28.82	
07 84 13 19-0054	EA		2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	28.71	
07 84 13 19-0055	EA		2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	28.54	
07 84 13 19-0056	EA		2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	28.39	
07 84 13 19-0057	EA		2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	34.55	
07 84 13 19-0058	EA		2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	34.48	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0059	EA		2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	34.37	
07 84 13 19-0060	EA		2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	34.20	
07 84 13 19-0061	EA		2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	34.06	
07 84 13 19-0062	EA		2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	33.68	
07 84 13 19-0063	EA		3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	43.43	
07 84 13 19-0064	EA		3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	43.36	
07 84 13 19-0065	EA		3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	43.25	
07 84 13 19-0066	EA		3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	43.08	
07 84 13 19-0067	EA		3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	42.93	
07 84 13 19-0068	EA		3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	42.56	
07 84 13 19-0069	EA		3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	42.05	
07 84 13 19-0070	EA		4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	55.21	
07 84 13 19-0071	EA		4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	55.13	
07 84 13 19-0072	EA		4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	55.02	
07 84 13 19-0073	EA		4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	54.84	
07 84 13 19-0074	EA		4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	54.66	
07 84 13 19-0075	EA		4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	54.29	
07 84 13 19-0076	EA		4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	53.82	
07 84 13 19-0077	EA		4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	53.08	
07 84 13 19-0078	EA		6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	79.83	
07 84 13 19-0079	EA		6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	79.75	
07 84 13 19-0080	EA		6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	79.64	
07 84 13 19-0081	EA		6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	79.47	
07 84 13 19-0082	EA		6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	79.33	
07 84 13 19-0083	EA		6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	78.95	
07 84 13 19-0084	EA		6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	78.44	
07 84 13 19-0085	EA		6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	77.74	
07 84 13 19-0086	EA		6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	76.23	
07 84 13 19-0087	EA		8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	99.28	
07 84 13 19-0088	EA		8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	98.57	
07 84 13 19-0089	EA		8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	97.06	
07 84 13 19-0090	EA		8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	92.78	
07 84 13 19-0091	EA		10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	119.40	
07 84 13 19-0092	EA		10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	115.11	
07 84 13 19-0093	EA		10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	109.45	

**07 84 16 Annular Space Firestopping Protection (07 84)**

07 84 16 00-0001 Intumescent Firestopping For Electrical Outlet Boxes (07 84 16)

07 84 16 00-0002 Intumescent Putty Pads For Wrapping Outlet Box Exteriors (07 84 16 00-0001)

07 84 16 00-0003	EA		1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	32.45	
07 84 16 00-0004	EA		2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	46.04	
07 84 16 00-0005	EA		3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	48.13	
07 84 16 00-0006	EA		4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	50.24	
07 84 16 00-0007	EA		5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	52.33	
07 84 16 00-0008	EA		6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	65.93	

07 84 16 00-0009 Intumescent Firestop Gasket For Wall Plates (07 84 16 00-0001)

07 84 16 00-0010	EA		Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276).....	13.25	
07 84 16 00-0011	EA		Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274).....	13.74	

**07 Thermal And Moisture Protection****07 80 Fire and Smoke Protection****07 84 Firestopping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
07 84 16 00-0012	EA	Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272)		12.84	
07 84 16 00-0013	EA	Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270)		13.77	
07 84 16 00-0014	EA	Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266)		13.41	
07 84 16 00-0015	EA	Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265)		12.90	
<b>07 84 16 00-0016</b>		<b>Intumescent Fire Barrier Pillows For Sealing Large Openings (07 84 16)</b>			
07 84 16 00-0017	EA	2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249)		32.65	
07 84 16 00-0018	EA	2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269)		35.01	
07 84 16 00-0019	EA	3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369)		37.92	
<b>07 84 16 00-0020</b>		<b>Intumescent Fire Barrier Sheets For Sealing Large Openings (07 84 16)</b>			
		Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.			
07 84 16 00-0021	EA	16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28)		299.81	
07 84 16 00-0022	EA	36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2)		420.68	
07 84 16 00-0023	EA	36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3)		567.68	
<b>07 84 16 00-0024</b>		<b>Endothermic Mat Wrap Fire Barrier (07 84 16)</b>			
		Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.			
07 84 16 00-0025	SF	0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4)		45.53	
<b>07 84 16 00-0026</b>		<b>Firestopping Caulk For Filling Opening (07 84 16)</b>			
07 84 16 00-0027	GAL	Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+)		167.97	
<b>07 84 16 00-0028</b>		<b>Firestopping Mortar For Filling Opening (07 84 16)</b>			
07 84 16 00-0029	CF	Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series)		150.49	
<b>07 84 23</b>		<b>Silicone Firestopping Foams (07 84)</b>			
<b>07 84 23 00-0001</b>		<b>Silicone RTV Foam Seal For Blank Openings (07 84 23)</b>			
07 84 23 00-0002	EA	2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam		40.81	
07 84 23 00-0003	EA	4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam		98.42	
07 84 23 00-0004	EA	6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam		174.75	
07 84 23 00-0005	EA	8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam		267.50	
07 84 23 00-0006	EA	10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam		381.99	
07 84 23 00-0007	EA	12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam		513.01	
07 84 23 00-0008	EA	16" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam		863.72	
07 84 23 00-0009	EA	20" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam		1,286.56	
07 84 23 00-0010	EA	24" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam		1,800.64	
<b>07 84 43</b>		<b>Joint Firestopping (07 84)</b>			
<b>07 84 43 00-0001</b>		<b>Intumescent Firestopping Sealant For Joints (3M CP 25WB+) (07 84 43)</b>			
07 84 43 00-0002	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		364.38	94.34
		For Up To 6 CLF, Add		20.25	
		For >30 CLF, Deduct		-22.29	
07 84 43 00-0003	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		405.09	94.34
		For Up To 4 CLF, Add		23.31	
		For >20 CLF, Deduct		-26.36	
07 84 43 00-0004	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		456.26	97.48
		For Up To 3 CLF, Add		26.88	
		For >15 CLF, Deduct		-30.95	
07 84 43 00-0005	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		476.60	97.48
		For Up To 2.5 CLF, Add		28.41	
		For >13 CLF, Deduct		-32.99	
07 84 43 00-0006	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		537.64	97.48
		For Up To 2 CLF, Add		32.99	
		For >10 CLF, Deduct		-39.09	
07 84 43 00-0007	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		598.67	97.48
		For Up To 1.5 CLF, Add		37.56	
		For >8 CLF, Deduct		-45.19	
07 84 43 00-0008	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		670.19	101.68
		For Up To 1.3 CLF, Add		42.66	
		For >7 CLF, Deduct		-51.82	
07 84 43 00-0009	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		629.50	101.68
		For Up To 1.4 CLF, Add		39.61	
		For >7.5 CLF, Deduct		-47.75	
07 84 43 00-0010	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		721.37	104.82
		For Up To 1.15 CLF, Add		46.24	
		For >6 CLF, Deduct		-56.41	
07 84 43 00-0011	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		802.75	104.82
		For Up To 1 CLF, Add		52.34	
		For >5 CLF, Deduct		-64.55	
07 84 43 00-0012	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		894.61	107.96
		For Up To 0.8 CLF, Add		58.97	
		For >4.5 CLF, Deduct		-73.21	
07 84 43 00-0013	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		986.46	112.16
		For Up To 0.75 CLF, Add		65.60	
		For >4 CLF, Deduct		-81.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0014			CLF 3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)..... <i>For Up To 0.65 CLF, Add</i> <i>For &gt;3.5 CLF, Deduct</i>	1,078.32 72.23 -90.54	115.30
07 84 43 00-0015			CLF 3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)..... <i>For Up To 0.5 CLF, Add</i> <i>For &gt;2.5 CLF, Deduct</i> <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1,353.91 92.11 -116.52 146.48	125.79
07 84 43 00-0016			CLF 1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Up To 0.4 CLF, Add</i> <i>For &gt;2 CLF, Deduct</i>	1,721.36 118.62 -151.17	139.41
07 84 43 00-0017			<b>Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series)</b> <sup>(07 84 43)</sup>		
07 84 43 00-0018			CLF 1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 6 CLF, Add</i> <i>For &gt;30 CLF, Deduct</i>	375.71 21.10 -23.42	94.34
07 84 43 00-0019			CLF 1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 4 CLF, Add</i> <i>For &gt;20 CLF, Deduct</i>	422.06 24.58 -28.06	94.34
07 84 43 00-0020			CLF 1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 3 CLF, Add</i> <i>For &gt;15 CLF, Deduct</i>	478.89 28.58 -33.21	97.48
07 84 43 00-0021			CLF 3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 2.5 CLF, Add</i> <i>For &gt;13 CLF, Deduct</i>	502.06 30.32 -35.53	97.48
07 84 43 00-0022			CLF 3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 2 CLF, Add</i> <i>For &gt;10 CLF, Deduct</i>	571.58 35.53 -42.48	97.48
07 84 43 00-0023			CLF 3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 1.5 CLF, Add</i> <i>For &gt;8 CLF, Deduct</i>	641.10 40.75 -49.44	97.48
07 84 43 00-0024			CLF 3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 1.3 CLF, Add</i> <i>For &gt;7 CLF, Deduct</i>	721.10 46.48 -56.91	101.68
07 84 43 00-0025			CLF 1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 1.4 CLF, Add</i> <i>For &gt;7.5 CLF, Deduct</i>	674.76 43.01 -52.28	101.68
07 84 43 00-0026			CLF 1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 1.15 CLF, Add</i> <i>For &gt;6 CLF, Deduct</i>	777.94 50.48 -62.07	104.82
07 84 43 00-0027			CLF 1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 1 CLF, Add</i> <i>For &gt;5 CLF, Deduct</i>	870.63 57.44 -71.34	104.82
07 84 43 00-0028			CLF 1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.8 CLF, Add</i> <i>For &gt;4.5 CLF, Deduct</i>	973.81 64.91 -81.13	107.96
07 84 43 00-0029			CLF 1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.75 CLF, Add</i> <i>For &gt;4 CLF, Deduct</i>	1,076.98 72.39 -90.93	112.16
07 84 43 00-0030			CLF 3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.65 CLF, Add</i> <i>For &gt;3.5 CLF, Deduct</i>	1,180.16 79.86 -100.72	115.30
07 84 43 00-0031			CLF 3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.5 CLF, Add</i> <i>For &gt;2.5 CLF, Deduct</i>	1,489.69 102.29 -130.10	125.79
07 84 43 00-0032			CLF 1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.4 CLF, Add</i> <i>For &gt;2 CLF, Deduct</i>	1,902.39 132.20 -169.27	139.41
07 84 43 00-0033			<b>Passive Smoke And Fire Protection Sealant For Joints (STI ES Series)</b> <sup>(07 84 43)</sup>		
07 84 43 00-0034			CLF 1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 6 CLF, Add</i> <i>For &gt;30 CLF, Deduct</i>	330.97 17.75 -18.95	94.34
07 84 43 00-0035			CLF 1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 4 CLF, Add</i> <i>For &gt;20 CLF, Deduct</i>	354.94 19.55 -21.34	94.34
07 84 43 00-0036			CLF 1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 3 CLF, Add</i> <i>For &gt;15 CLF, Deduct</i>	389.39 21.87 -24.26	97.48
07 84 43 00-0037			CLF 3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 2.5 CLF, Add</i> <i>For &gt;13 CLF, Deduct</i>	401.38 22.77 -25.46	97.48
07 84 43 00-0038			CLF 3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 2 CLF, Add</i> <i>For &gt;10 CLF, Deduct</i>	437.34 25.46 -29.06	97.48
07 84 43 00-0039			CLF 3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 1.5 CLF, Add</i> <i>For &gt;8 CLF, Deduct</i>	473.29 28.16 -32.65	97.48
07 84 43 00-0040			CLF 3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 1.3 CLF, Add</i> <i>For &gt;7 CLF, Deduct</i>	519.73 31.38 -36.77	101.68

**07 Thermal And Moisture Protection****07 80 Fire and Smoke Protection****07 84 Firestopping**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 84 43 00-0041	CLF	1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	495.76	101.68
		<i>For Up To 1.4 CLF, Add</i>	29.58	
		<i>For &gt;7.5 CLF, Deduct</i>	-34.38	
07 84 43 00-0042	CLF	1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	554.20	104.82
		<i>For Up To 1.15 CLF, Add</i>	33.70	
		<i>For &gt;6 CLF, Deduct</i>	-39.70	
07 84 43 00-0043	CLF	1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	602.14	104.82
		<i>For Up To 1 CLF, Add</i>	37.30	
		<i>For &gt;5 CLF, Deduct</i>	-44.49	
07 84 43 00-0044	CLF	1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	660.57	107.96
		<i>For Up To 0.8 CLF, Add</i>	41.42	
		<i>For &gt;4.5 CLF, Deduct</i>	-49.81	
07 84 43 00-0045	CLF	1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	718.99	112.16
		<i>For Up To 0.75 CLF, Add</i>	45.54	
		<i>For &gt;4 CLF, Deduct</i>	-55.13	
07 84 43 00-0046	CLF	3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	777.42	115.30
		<i>For Up To 0.65 CLF, Add</i>	49.66	
		<i>For &gt;3.5 CLF, Deduct</i>	-60.45	
07 84 43 00-0047	CLF	3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	952.70	125.79
		<i>For Up To 0.5 CLF, Add</i>	62.02	
		<i>For &gt;2.5 CLF, Deduct</i>	-76.40	
07 84 43 00-0048	CLF	1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,186.41	139.41
		<i>For Up To 0.4 CLF, Add</i>	78.50	
		<i>For &gt;2 CLF, Deduct</i>	-97.68	

**07 84 56 Fire Safing (07 84)****07 84 56 13 Fibrous Fire Safing (07 84 56)****07 84 56 13-0001 Thermal Barrier Wrap (07 84 56 13)**

Note: Includes cutting wrap to fit pipe or conduit and sealing edges.

07 84 56 13-0002	SF	1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A)	9.54	
		<i>For Work In Restricted Working Space, Add</i>	1.32	
07 84 56 13-0003	SF	1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A)	15.08	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		<i>For Work In Restricted Working Space, Add</i>	1.32	
07 84 56 13-0004	SF	2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A)	16.41	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		<i>For Work In Restricted Working Space, Add</i>	1.32	

**07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing (07 84 56 13)**

07 84 56 13-0006	SF	1/2" Thermal Ceramics FireMaster Blanket Wrap	17.87	10.68
		<i>For Work In Restricted Working Space, Add</i>	4.29	
		<i>For &gt;500 To 5,000, Deduct</i>	-1.54	
		<i>For &gt;5,000, Deduct</i>	-2.75	
07 84 56 13-0007	SF	1" Thermal Ceramics FireMaster Blanket Wrap	20.83	10.68
		<i>For Work In Restricted Working Space, Add</i>	4.29	
		<i>For &gt;500 To 5,000, Deduct</i>	-2.22	
		<i>For &gt;5,000, Deduct</i>	-3.85	
07 84 56 13-0008	SF	1-1/2" Thermal Ceramics FireMaster Blanket Wrap	24.07	10.68
		<i>For Work In Restricted Working Space, Add</i>	4.29	
		<i>For &gt;500 To 5,000, Deduct</i>	-2.96	
		<i>For &gt;5,000, Deduct</i>	-5.04	
07 84 56 13-0009	SF	2" Thermal Ceramics FireMaster Blanket Wrap	27.32	10.68
		<i>For Work In Restricted Working Space, Add</i>	4.29	
		<i>For &gt;500 To 5,000, Deduct</i>	-3.71	
		<i>For &gt;5,000, Deduct</i>	-6.25	

**07 90 Joint Protection (07)****07 91 Preformed Joint Seals (07 90)****07 91 23 Backer Rods (07 91)****07 91 23 00-0001 Backer Rods (07 91 23)**

07 91 23 00-0002	LF	1/4" Polyethylene Or Polyurethane Backer Rod	1.60	0.48
07 91 23 00-0003	LF	3/8" Polyethylene Or Polyurethane Backer Rod	1.71	0.48
07 91 23 00-0004	LF	1/2" Polyethylene Or Polyurethane Backer Rod	1.85	0.48
07 91 23 00-0005	LF	5/8" Polyethylene Or Polyurethane Backer Rod	2.00	0.48
07 91 23 00-0006	LF	3/4" Polyethylene Or Polyurethane Backer Rod	2.08	0.58
07 91 23 00-0007	LF	7/8" Polyethylene Or Polyurethane Backer Rod	2.21	0.58
07 91 23 00-0008	LF	1" Polyethylene Or Polyurethane Backer Rod	2.51	0.58
07 91 23 00-0009	LF	1-1/4" Polyethylene Or Polyurethane Backer Rod	2.80	0.68
07 91 23 00-0010	LF	1-1/2" Polyethylene Or Polyurethane Backer Rod	3.19	0.77
07 91 23 00-0011	LF	2" Polyethylene Or Polyurethane Backer Rod	3.89	0.87
07 91 23 00-0012	LF	3" Polyethylene Or Polyurethane Backer Rod	6.42	1.07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**07 91 26 Joint Fillers (07 91)**

**07 91 26 00-0001 Butyl Rubber Fillers (07 91 26)**

07 91 26 00-0002	LF		1/4" x 1/4" Butyl Rubber Filler ..... <i>For Custom Match Coloring, Add</i>	2.16 0.03	0.58
07 91 26 00-0003	LF		1/2" x 1/2" Butyl Rubber Filler ..... <i>For Custom Match Coloring, Add</i>	6.43 0.12	1.65
07 91 26 00-0004	LF		1/2" x 3/4" Butyl Rubber Filler ..... <i>For Custom Match Coloring, Add</i>	7.68 0.19	1.75
07 91 26 00-0005	LF		3/4" x 3/4" Butyl Rubber Filler .....	8.25	1.85
07 91 26 00-0006	LF		1" x 1" Butyl Rubber Filler .....	10.77	3.41

**07 91 26 00-0007 Closed Cell Neoprene (07 91 26)**

07 91 26 00-0008	CLF		1/8" x 3" Neoprene Gasket Closed Cell, Adhesive.....	386.99	112.19
07 91 26 00-0009	CLF		1/8" x 6" Neoprene Gasket Closed Cell, Adhesive.....	618.57	162.06
07 91 26 00-0010	CLF		1/4" x 3" Neoprene Gasket Closed Cell, Adhesive.....	495.47	138.93
07 91 26 00-0011	CLF		1/4" x 6" Neoprene Gasket Closed Cell, Adhesive.....	568.92	145.83
07 91 26 00-0012	CLF		1/2" x 6" Neoprene Gasket Closed Cell, Adhesive.....	868.31	224.38
07 91 26 00-0013	CLF		1/2" x 9" Neoprene Gasket Closed Cell, Adhesive.....	991.78	243.04
07 91 26 00-0014	CLF		1/2" x 12" Neoprene Gasket Closed Cell, Adhesive.....	891.42	176.74

**07 91 26 00-0015 Closed Cell Polyvinyl Chloride (07 91 26)**

07 91 26 00-0016	CLF		1/8" x 3" Polyethylene Joint Backing, Closed Cell.....	392.59	138.93
07 91 26 00-0017	CLF		1/8" x 6" Polyethylene Joint Backing, Closed Cell.....	652.16	224.38
07 91 26 00-0018	CLF		1/4" x 3" Polyethylene Joint Backing, Closed Cell.....	509.78	191.52
07 91 26 00-0019	CLF		1/4" x 6" Polyethylene Joint Backing, Closed Cell.....	604.38	202.21
07 91 26 00-0020	CLF		1/2" x 6" Polyethylene Joint Backing, Closed Cell.....	920.89	310.13
07 91 26 00-0021	CLF		1/2" x 9" Polyethylene Joint Backing, Closed Cell.....	1,069.54	336.56
07 91 26 00-0022	CLF		1/2" x 12" Polyethylene Joint Backing, Closed Cell.....	1,402.78	403.45

**07 91 26 00-0023 Silicon RTV Foam Penetration Seal (07 91 26)**

07 91 26 00-0024	CLF		1/4" x 1/2" Silicon RTV Foam Seal.....	144.05	22.27
07 91 26 00-0025	CLF		1/2" x 1/2" Silicon RTV Foam Seal.....	288.11	44.43
07 91 26 00-0026	CLF		1/2" x 3/4" Silicon RTV Foam Seal.....	429.66	66.01
07 91 26 00-0027	CLF		3/4" x 3/4" Silicon RTV Foam Seal.....	611.24	88.96
07 91 26 00-0028	CLF		1/8" x 1" Silicon RTV Foam Seal.....	144.05	22.27
07 91 26 00-0029	CLF		1/8" x 3" Silicon RTV Foam Seal.....	429.26	65.82
07 91 26 00-0030	CLF		1/4" x 3" Silicon RTV Foam Seal.....	749.11	98.87
07 91 26 00-0031	CLF		1/4" x 6" Silicon RTV Foam Seal.....	1,496.47	197.05
07 91 26 00-0032	CLF		1/2" x 6" Silicon RTV Foam Seal.....	2,859.04	355.72
07 91 26 00-0033	CLF		1/2" x 9" Silicon RTV Foam Seal.....	4,360.05	555.69
07 91 26 00-0034	CLF		1/2" x 12" Silicon RTV Foam Seal.....	6,322.31	889.15

**07 91 26 00-0035 Seals O-Ring Type Cord "J-Seal" (07 91 26)**

07 91 26 00-0036	LF		1/4" Seals O-Ring Cord, J-Seal.....	4.15	1.27
07 91 26 00-0037	LF		1/2" Seals O-Ring Cord, J-Seal.....	4.40	1.27
07 91 26 00-0038	LF		3/4" Seals O-Ring Cord, J-Seal.....	4.62	1.36
07 91 26 00-0039	LF		1" Seals O-Ring Cord, J-Seal.....	4.87	1.46
07 91 26 00-0040	LF		1-1/4" Seals O-Ring Cord, J-Seal.....	5.21	1.56
07 91 26 00-0041	LF		1-1/2" Seals O-Ring Cord, J-Seal.....	5.45	1.56
07 91 26 00-0042	LF		1-3/4" Seals O-Ring Cord, J-Seal.....	5.78	1.65
07 91 26 00-0043	LF		2" Seals O-Ring Cord, J-Seal.....	5.96	1.65

**07 91 33 Expansion Joint Seal Systems (07 91)**

**07 91 33 00-0001 Expansion Joint Seal Systems (Wabo®) (07 91 33)**

**07 91 33 00-0002 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) (07 91 33 00-0001)**

Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.

07 91 33 00-0003	LF		1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH).....	69.82	6.65
07 91 33 00-0004	LF		3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH).....	92.49	6.98
07 91 33 00-0005	LF		1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH).....	116.39	7.29
07 91 33 00-0006	LF		1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH).....	142.95	7.61
07 91 33 00-0007	LF		1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH).....	184.53	7.92
07 91 33 00-0008	LF		1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH).....	211.55	8.24
07 91 33 00-0009	LF		2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH).....	245.03	8.55

**07 91 33 00-0010 Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)**

Note: Includes preformed neoprene joint seal and lubricant adhesive.

**07 Thermal And Moisture Protection****07 90 Joint Protection****07 91 Preformed Joint Seals**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 91 33 00-0011	LF	0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162).....	37.24	6.65
07 91 33 00-0012	LF	0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175).....	40.42	6.75
07 91 33 00-0013	LF	0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200).....	48.24	6.84
07 91 33 00-0014	LF	0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225).....	51.06	6.98
07 91 33 00-0015	LF	1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250).....	54.37	7.07
07 91 33 00-0016	LF	1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300).....	65.95	7.16
07 91 33 00-0017	LF	1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350).....	80.63	7.29
07 91 33 00-0018	LF	1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400).....	94.89	7.61
07 91 33 00-0019	LF	1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500).....	107.10	7.92

**07 91 33 00-0020 Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)**

Note: Includes preformed Santoprene® joint seal and lubricant adhesive.

07 91 33 00-0021	LF	0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100).....	31.69	6.65
07 91 33 00-0022	LF	0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225).....	40.40	6.98
07 91 33 00-0023	LF	1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250).....	48.97	7.29
07 91 33 00-0024	LF	1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300).....	51.59	7.44
07 91 33 00-0025	LF	1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400).....	56.92	7.61
07 91 33 00-0026	LF	1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500).....	80.24	7.92
07 91 33 00-0027	LF	1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600).....	109.07	8.24

**07 91 33 00-0028 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) (07 91 33 00-0001)**

Note: Includes a pre-compressed foam seal and silicone sealant.

07 91 33 00-0029	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100).....	25.39	2.64
07 91 33 00-0030	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150).....	42.11	2.75
07 91 33 00-0031	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200).....	63.04	2.85
07 91 33 00-0032	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250).....	79.30	2.96
07 91 33 00-0033	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300).....	104.11	3.06
07 91 33 00-0034	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350).....	137.50	3.17
07 91 33 00-0035	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400).....	168.47	3.27
07 91 33 00-0036	LF	2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500).....	226.91	3.38
07 91 33 00-0037	LF	3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600).....	264.79	3.49

**07 91 33 00-0038 Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) (07 91 33 00-0001)**

Note: Includes a pre-compressed foam seal and silicone sealant.

07 91 33 00-0039	LF	0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100).....	24.79	2.64
07 91 33 00-0040	LF	1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150).....	32.50	2.75
07 91 33 00-0041	LF	1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200).....	43.38	2.85
07 91 33 00-0042	LF	1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250).....	58.59	2.96
07 91 33 00-0043	LF	2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300).....	66.75	3.06
07 91 33 00-0044	LF	2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350).....	92.33	3.17
07 91 33 00-0045	LF	3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400).....	123.75	3.27
07 91 33 00-0046	LF	3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500).....	133.57	3.38

**07 92 Joint Sealants (07 90)****07 92 13 Elastomeric Joint Sealants (07 92)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0001			Silicone Sealant And Caulking (07 92 13)		
07 92 13 00-0002			CLF 1/4" x 1/4" Joint, Silicone Sealant And Caulking ..... 319.67		94.34
			For Custom Match Coloring, Add	8.80	
			For Up To 6 CLF, Add	16.90	
			For >30 CLF, Deduct	-17.82	
			For 1 Part Mildew Resistant, Add	12.83	
			For High-Modulus Non-Acid Curing, Add	7.33	
07 92 13 00-0003			CLF 1/4" x 3/8" Joint, Silicone Sealant And Caulking ..... 338.00		94.34
			For Custom Match Coloring, Add	13.20	
			For Up To 4 CLF, Add	18.27	
			For >20 CLF, Deduct	-19.65	
			For 1 Part Mildew Resistant, Add	19.24	
			For High-Modulus Non-Acid Curing, Add	11.00	
07 92 13 00-0004			CLF 1/4" x 1/2" Joint, Silicone Sealant And Caulking ..... 366.81		97.48
			For Custom Match Coloring, Add	17.59	
			For Up To 3 CLF, Add	20.17	
			For >15 CLF, Deduct	-22.01	
			For 1 Part Mildew Resistant, Add	25.66	
			For High-Modulus Non-Acid Curing, Add	14.66	
07 92 13 00-0005			CLF 3/8" x 3/8" Joint, Silicone Sealant And Caulking ..... 375.97		97.48
			For Custom Match Coloring, Add	19.79	
			For Up To 2.5 CLF, Add	20.86	
			For >13 CLF, Deduct	-22.92	
			For 1 Part Mildew Resistant, Add	28.86	
			For High-Modulus Non-Acid Curing, Add	16.49	
07 92 13 00-0006			CLF 3/8" x 1/2" Joint, Silicone Sealant And Caulking ..... 403.46		97.48
			For Custom Match Coloring, Add	26.39	
			For Up To 2 CLF, Add	22.92	
			For >10 CLF, Deduct	-25.67	
			For 1 Part Mildew Resistant, Add	38.49	
			For High-Modulus Non-Acid Curing, Add	21.99	
07 92 13 00-0007			CLF 3/8" x 5/8" Joint, Silicone Sealant And Caulking ..... 430.95		97.48
			For Custom Match Coloring, Add	32.99	
			For Up To 1.5 CLF, Add	24.98	
			For >8 CLF, Deduct	-28.42	
			For 1 Part Mildew Resistant, Add	48.11	
			For High-Modulus Non-Acid Curing, Add	27.49	
07 92 13 00-0008			CLF 3/8" x 3/4" Joint, Silicone Sealant And Caulking ..... 468.92		101.68
			For Custom Match Coloring, Add	39.59	
			For Up To 1.3 CLF, Add	27.57	
			For >7 CLF, Deduct	-31.69	
			For 1 Part Mildew Resistant, Add	57.73	
			For High-Modulus Non-Acid Curing, Add	32.99	
07 92 13 00-0009			CLF 1/2" x 1/2" Joint, Silicone Sealant And Caulking ..... 450.60		101.68
			For Custom Match Coloring, Add	35.19	
			For Up To 1.4 CLF, Add	26.20	
			For >7.5 CLF, Deduct	-29.86	
			For 1 Part Mildew Resistant, Add	51.32	
			For High-Modulus Non-Acid Curing, Add	29.32	
07 92 13 00-0010			CLF 1/2" x 5/8" Joint, Silicone Sealant And Caulking ..... 497.74		104.82
			For Custom Match Coloring, Add	43.98	
			For Up To 1.15 CLF, Add	29.47	
			For >6 CLF, Deduct	-34.05	
			For 1 Part Mildew Resistant, Add	64.14	
			For High-Modulus Non-Acid Curing, Add	36.65	
07 92 13 00-0011			CLF 1/2" x 3/4" Joint, Silicone Sealant And Caulking ..... 534.39		104.82
			For Custom Match Coloring, Add	52.78	
			For Up To 1 CLF, Add	32.22	
			For >5 CLF, Deduct	-37.72	
			For 1 Part Mildew Resistant, Add	76.97	
			For High-Modulus Non-Acid Curing, Add	43.98	
07 92 13 00-0012			CLF 1/2" x 7/8" Joint, Silicone Sealant And Caulking ..... 581.53		107.96
			For Custom Match Coloring, Add	61.58	
			For Up To 0.8 CLF, Add	35.49	
			For >4.5 CLF, Deduct	-41.91	
			For 1 Part Mildew Resistant, Add	89.80	
			For High-Modulus Non-Acid Curing, Add	51.32	
07 92 13 00-0013			CLF 1/2" x 1" Joint, Silicone Sealant And Caulking ..... 628.66		112.16
			For Custom Match Coloring, Add	70.38	
			For Up To 0.75 CLF, Add	38.76	
			For >4 CLF, Deduct	-46.09	
			For 1 Part Mildew Resistant, Add	102.63	
			For High-Modulus Non-Acid Curing, Add	58.65	
07 92 13 00-0014			CLF 3/4" x 3/4" Joint, Silicone Sealant And Caulking ..... 675.79		115.30
			For Custom Match Coloring, Add	79.17	
			For Up To 0.65 CLF, Add	42.04	
			For >3.5 CLF, Deduct	-50.28	
			For 1 Part Mildew Resistant, Add	115.46	
			For High-Modulus Non-Acid Curing, Add	65.98	
07 92 13 00-0015			CLF 3/4" x 1" Joint, Silicone Sealant And Caulking ..... 817.21		125.79
			For Custom Match Coloring, Add	105.56	
			For Up To 0.5 CLF, Add	51.86	
			For >2.5 CLF, Deduct	-62.85	
			For 1 Part Mildew Resistant, Add	153.95	
			For High-Modulus Non-Acid Curing, Add	87.97	
07 92 13 00-0016			CLF 1" x 1" Joint, Silicone Sealant And Caulking ..... 1,005.75		139.41
			For Custom Match Coloring, Add	140.75	
			For Up To 0.4 CLF, Add	64.95	
			For >2 CLF, Deduct	-79.61	
			For 1 Part Mildew Resistant, Add	205.26	
			For High-Modulus Non-Acid Curing, Add	117.29	

## 07 Thermal And Moisture Protection

## 07 90 Joint Protection

## 07 92 Joint Sealants

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0017			Acrylic/Latex Sealant And Caulking (07 92 13)		
07 92 13 00-0018	CLF		1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking.....	295.88	94.34
			For Up To 6 CLF, Add	15.12	
			For >30 CLF, Deduct	-15.44	
07 92 13 00-0019	CLF		1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking.....	302.31	94.34
			For Up To 4 CLF, Add	15.60	
			For >20 CLF, Deduct	-16.08	
07 92 13 00-0020	CLF		1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking.....	319.22	97.48
			For Up To 3 CLF, Add	16.60	
			For >15 CLF, Deduct	-17.25	
07 92 13 00-0021	CLF		3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking.....	322.43	97.48
			For Up To 2.5 CLF, Add	16.84	
			For >13 CLF, Deduct	-17.57	
07 92 13 00-0022	CLF		3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking.....	332.08	97.48
			For Up To 2 CLF, Add	17.57	
			For >10 CLF, Deduct	-18.53	
07 92 13 00-0023	CLF		3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking.....	341.72	97.48
			For Up To 1.5 CLF, Add	18.29	
			For >8 CLF, Deduct	-19.50	
07 92 13 00-0024	CLF		3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking.....	361.85	101.68
			For Up To 1.3 CLF, Add	19.54	
			For >7 CLF, Deduct	-20.99	
07 92 13 00-0025	CLF		1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking.....	355.42	101.68
			For Up To 1.4 CLF, Add	19.06	
			For >7.5 CLF, Deduct	-20.34	
07 92 13 00-0026	CLF		1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking.....	378.77	104.82
			For Up To 1.15 CLF, Add	20.55	
			For >6 CLF, Deduct	-22.15	
07 92 13 00-0027	CLF		1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking.....	391.63	104.82
			For Up To 1 CLF, Add	21.51	
			For >5 CLF, Deduct	-23.44	
07 92 13 00-0028	CLF		1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking.....	414.97	107.96
			For Up To 0.8 CLF, Add	23.00	
			For >4.5 CLF, Deduct	-25.25	
07 92 13 00-0029	CLF		1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking.....	438.31	112.16
			For Up To 0.75 CLF, Add	24.49	
			For >4 CLF, Deduct	-27.06	
07 92 13 00-0030	CLF		3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking.....	461.64	115.30
			For Up To 0.65 CLF, Add	25.98	
			For >3.5 CLF, Deduct	-28.87	
07 92 13 00-0031	CLF		3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking.....	531.67	125.79
			For Up To 0.5 CLF, Add	30.44	
			For >2.5 CLF, Deduct	-34.30	
07 92 13 00-0032	CLF		1" x 1" Joint, Acrylic/Latex Sealant And Caulking.....	625.04	139.41
			For Up To 0.4 CLF, Add	36.40	
			For >2 CLF, Deduct	-41.54	
07 92 13 00-0033			Polyurethane Sealant And Caulking (07 92 13)		
			Note: 1 or 2 part, non-sag.		
07 92 13 00-0034	CLF		1/4" x 1/4" Joint, Polyurethane Sealant And Caulking.....	311.13	94.34
			For Up To 6 CLF, Add	16.26	
			For >30 CLF, Deduct	-16.96	
07 92 13 00-0035	CLF		1/4" x 3/8" Joint, Polyurethane Sealant And Caulking.....	325.19	94.34
			For Up To 4 CLF, Add	17.31	
			For >20 CLF, Deduct	-18.37	
07 92 13 00-0036	CLF		1/4" x 1/2" Joint, Polyurethane Sealant And Caulking.....	349.72	97.48
			For Up To 3 CLF, Add	18.89	
			For >15 CLF, Deduct	-20.30	
07 92 13 00-0037	CLF		3/8" x 3/8" Joint, Polyurethane Sealant And Caulking.....	356.75	97.48
			For Up To 2.5 CLF, Add	19.42	
			For >13 CLF, Deduct	-21.00	
07 92 13 00-0038	CLF		3/8" x 1/2" Joint, Polyurethane Sealant And Caulking.....	377.84	97.48
			For Up To 2 CLF, Add	21.00	
			For >10 CLF, Deduct	-23.11	
07 92 13 00-0039	CLF		3/8" x 5/8" Joint, Polyurethane Sealant And Caulking.....	398.92	97.48
			For Up To 1.5 CLF, Add	22.58	
			For >8 CLF, Deduct	-25.22	
07 92 13 00-0040	CLF		3/8" x 3/4" Joint, Polyurethane Sealant And Caulking.....	430.49	101.68
			For Up To 1.3 CLF, Add	24.69	
			For >7 CLF, Deduct	-27.85	
07 92 13 00-0041	CLF		1/2" x 1/2" Joint, Polyurethane Sealant And Caulking.....	416.43	101.68
			For Up To 1.4 CLF, Add	23.63	
			For >7.5 CLF, Deduct	-26.44	
07 92 13 00-0042	CLF		1/2" x 5/8" Joint, Polyurethane Sealant And Caulking.....	455.03	104.82
			For Up To 1.15 CLF, Add	26.27	
			For >6 CLF, Deduct	-29.78	
07 92 13 00-0043	CLF		1/2" x 3/4" Joint, Polyurethane Sealant And Caulking.....	483.14	104.82
			For Up To 1 CLF, Add	28.37	
			For >5 CLF, Deduct	-32.59	
07 92 13 00-0044	CLF		1/2" x 7/8" Joint, Polyurethane Sealant And Caulking.....	521.74	107.96
			For Up To 0.8 CLF, Add	31.01	
			For >4.5 CLF, Deduct	-35.93	
07 92 13 00-0045	CLF		1/2" x 1" Joint, Polyurethane Sealant And Caulking.....	560.33	112.16
			For Up To 0.75 CLF, Add	33.64	
			For >4 CLF, Deduct	-39.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0046			CLF 3/4" x 3/4" Joint, Polyurethane Sealant And Caulking..... <i>For Up To 0.65 CLF, Add</i> <i>For &gt;3.5 CLF, Deduct</i>	598.92 36.27 -42.60	115.30
07 92 13 00-0047			CLF 3/4" x 1" Joint, Polyurethane Sealant And Caulking..... <i>For Up To 0.5 CLF, Add</i> <i>For &gt;2.5 CLF, Deduct</i>	714.71 44.17 -52.60	125.79
<b>07 92 13 00-0048</b>			<b>Flexible Polysulfide Sealant And Caulking, Clear (07 92 13)</b> Note: 1 or 2 part, non-sag.		
07 92 13 00-0049			CLF 1/4" x 1/4" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 6 CLF, Add</i> <i>For &gt;30 CLF, Deduct</i>	313.80 16.46 -17.23	94.34
07 92 13 00-0050			CLF 1/4" x 3/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 4 CLF, Add</i> <i>For &gt;20 CLF, Deduct</i>	329.20 17.61 -18.77	94.34
07 92 13 00-0051			CLF 1/4" x 1/2" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 3 CLF, Add</i> <i>For &gt;15 CLF, Deduct</i>	355.07 19.29 -20.83	97.48
07 92 13 00-0052			CLF 3/8" x 3/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 2.5 CLF, Add</i> <i>For &gt;13 CLF, Deduct</i>	362.77 19.87 -21.60	97.48
07 92 13 00-0053			CLF 3/8" x 1/2" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 2 CLF, Add</i> <i>For &gt;10 CLF, Deduct</i>	385.87 21.60 -23.91	97.48
07 92 13 00-0054			CLF 3/8" x 5/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1.5 CLF, Add</i> <i>For &gt;8 CLF, Deduct</i>	408.95 23.33 -26.22	97.48
07 92 13 00-0055			CLF 3/8" x 3/4" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1.3 CLF, Add</i> <i>For &gt;7 CLF, Deduct</i>	442.52 25.59 -29.05	101.68
07 92 13 00-0056			CLF 1/2" x 1/2" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1.4 CLF, Add</i> <i>For &gt;7.5 CLF, Deduct</i>	427.13 24.44 -27.51	101.68
07 92 13 00-0057			CLF 1/2" x 5/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1.15 CLF, Add</i> <i>For &gt;6 CLF, Deduct</i>	468.41 27.27 -31.12	104.82
07 92 13 00-0058			CLF 1/2" x 3/4" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1 CLF, Add</i> <i>For &gt;5 CLF, Deduct</i>	499.19 29.58 -34.20	104.82
07 92 13 00-0059			CLF 1/2" x 7/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 0.8 CLF, Add</i> <i>For &gt;4.5 CLF, Deduct</i>	540.47 32.41 -37.80	107.96
07 92 13 00-0060			CLF 1/2" x 1" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 0.75 CLF, Add</i> <i>For &gt;4 CLF, Deduct</i>	581.72 35.24 -41.40	112.16
07 92 13 00-0061			CLF 3/4" x 3/4" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 0.65 CLF, Add</i> <i>For &gt;3.5 CLF, Deduct</i>	623.00 38.08 -45.00	115.30
07 92 13 00-0062			CLF 3/4" x 1" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 0.5 CLF, Add</i> <i>For &gt;2.5 CLF, Deduct</i>	746.80 46.58 -55.81	125.79
<b>07 92 13 00-0063</b>			<b>Flexible Polyurethane Security Sealant And Caulking (07 92 13)</b> Note: 1 or 2 part, non-sag.		
07 92 13 00-0064			CLF 1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking ..... <i>For Up To 6 CLF, Add</i> <i>For &gt;30 CLF, Deduct</i>	320.33 16.95 -17.88	94.34
07 92 13 00-0065			CLF 1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking ..... <i>For Up To 4 CLF, Add</i> <i>For &gt;20 CLF, Deduct</i>	338.99 18.35 -19.75	94.34
07 92 13 00-0066			CLF 1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking ..... <i>For Up To 3 CLF, Add</i> <i>For &gt;15 CLF, Deduct</i>	368.12 20.27 -22.14	97.48
07 92 13 00-0067			CLF 3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking ..... <i>For Up To 2.5 CLF, Add</i> <i>For &gt;13 CLF, Deduct</i>	377.45 20.97 -23.07	97.48
07 92 13 00-0068			CLF 3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking ..... <i>For Up To 2 CLF, Add</i> <i>For &gt;10 CLF, Deduct</i>	405.43 23.07 -25.87	97.48
07 92 13 00-0069			CLF 3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking ..... <i>For Up To 1.5 CLF, Add</i> <i>For &gt;8 CLF, Deduct</i>	433.42 25.17 -28.67	97.48
07 92 13 00-0070			CLF 3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking ..... <i>For Up To 1.3 CLF, Add</i> <i>For &gt;7 CLF, Deduct</i>	471.88 27.79 -31.99	101.68
07 92 13 00-0071			CLF 1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking ..... <i>For Up To 1.4 CLF, Add</i> <i>For &gt;7.5 CLF, Deduct</i>	453.22 26.39 -30.12	101.68
07 92 13 00-0072			CLF 1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking ..... <i>For Up To 1.15 CLF, Add</i> <i>For &gt;6 CLF, Deduct</i>	501.02 29.71 -34.38	104.82
07 92 13 00-0073			CLF 1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking ..... <i>For Up To 1 CLF, Add</i> <i>For &gt;5 CLF, Deduct</i>	538.34 32.51 -38.11	104.82
07 92 13 00-0074			CLF 1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking ..... <i>For Up To 0.8 CLF, Add</i> <i>For &gt;4.5 CLF, Deduct</i>	586.13 35.84 -42.37	107.96

**07 Thermal And Moisture Protection****07 90 Joint Protection****07 92 Joint Sealants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0075	CLF		1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking.....	633.92	112.16
			<i>For Up To 0.75 CLF, Add</i>	39.16	
			<i>For &gt;4 CLF, Deduct</i>	-46.62	
07 92 13 00-0076	CLF		3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking.....	681.71	115.30
			<i>For Up To 0.65 CLF, Add</i>	42.48	
			<i>For &gt;3.5 CLF, Deduct</i>	-50.88	
07 92 13 00-0077	CLF		3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking.....	825.09	125.79
			<i>For Up To 0.5 CLF, Add</i>	52.45	
			<i>For &gt;2.5 CLF, Deduct</i>	-63.64	

**07 92 19 Acoustical Joint Sealants (07 92)****07 92 19 00-0001 Acoustical Sealant (07 92 19)**

07 92 19 00-0002	CLF		1/4" x 1/4" Joint, Acoustical Sealant.....	318.24	94.34
			<i>For Custom Match Coloring, Add</i>	8.45	
			<i>For Up To 6 CLF, Add</i>	16.79	
			<i>For &gt;30 CLF, Deduct</i>	-17.67	
			<i>For 1 Part Mildew Resistant, Add</i>	12.33	
			<i>For High-Modulus Non-Acid Curing, Add</i>	7.04	
07 92 19 00-0003	CLF		1/4" x 3/8" Joint, Acoustical Sealant.....	331.62	94.34
			<i>For Custom Match Coloring, Add</i>	11.66	
			<i>For Up To 4 CLF, Add</i>	17.80	
			<i>For &gt;20 CLF, Deduct</i>	-19.01	
			<i>For 1 Part Mildew Resistant, Add</i>	17.01	
			<i>For High-Modulus Non-Acid Curing, Add</i>	9.72	
07 92 19 00-0004	CLF		1/4" x 1/2" Joint, Acoustical Sealant.....	349.98	97.48
			<i>For Custom Match Coloring, Add</i>	13.56	
			<i>For Up To 3 CLF, Add</i>	18.91	
			<i>For &gt;15 CLF, Deduct</i>	-20.32	
			<i>For 1 Part Mildew Resistant, Add</i>	19.77	
			<i>For High-Modulus Non-Acid Curing, Add</i>	11.30	
07 92 19 00-0005	CLF		3/8" x 3/8" Joint, Acoustical Sealant.....	371.87	97.48
			<i>For Custom Match Coloring, Add</i>	18.81	
			<i>For Up To 2.5 CLF, Add</i>	20.55	
			<i>For &gt;13 CLF, Deduct</i>	-22.51	
			<i>For 1 Part Mildew Resistant, Add</i>	27.43	
			<i>For High-Modulus Non-Acid Curing, Add</i>	15.67	
07 92 19 00-0006	CLF		3/8" x 1/2" Joint, Acoustical Sealant.....	394.62	97.48
			<i>For Custom Match Coloring, Add</i>	24.27	
			<i>For Up To 2 CLF, Add</i>	22.26	
			<i>For &gt;10 CLF, Deduct</i>	-24.79	
			<i>For 1 Part Mildew Resistant, Add</i>	35.39	
			<i>For High-Modulus Non-Acid Curing, Add</i>	20.22	
07 92 19 00-0007	CLF		1/2" x 1/2" Joint, Acoustical Sealant.....	446.47	101.68
			<i>For Custom Match Coloring, Add</i>	34.20	
			<i>For Up To 1.4 CLF, Add</i>	25.89	
			<i>For &gt;7.5 CLF, Deduct</i>	-29.45	
			<i>For 1 Part Mildew Resistant, Add</i>	49.87	
			<i>For High-Modulus Non-Acid Curing, Add</i>	28.50	

**07 95 Expansion Control (07 90)****07 95 13 Expansion Joint Cover Assemblies (07 95)**

Note: Includes necessary waterproofing mastics/caulking.

**07 95 13 13 Interior Expansion Joint Cover Assemblies (07 95 13)****07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies (07 95 13 13)****07 95 13 13-0002 With 1" Space (07 95 13 13-0001)**

07 95 13 13-0003	LF		1" Opening Floor Assembly Type, Aluminum Expansion Joint Cover.....	55.85	5.71
07 95 13 13-0004	LF		1" Opening Floor Assembly Type, Bronze Expansion Joint Cover.....	66.54	5.71
07 95 13 13-0005	LF		1" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover.....	74.34	5.71

**07 95 13 13-0006 With 2" Space (07 95 13 13-0001)**

07 95 13 13-0007	LF		2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover.....	71.25	5.71
07 95 13 13-0008	LF		2" Opening Floor Assembly Type, Bronze Expansion Joint Cover.....	80.37	5.71
07 95 13 13-0009	LF		2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover.....	99.00	5.71

**07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies (07 95 13 13)****07 95 13 13-0011 With 1" Space (07 95 13 13-0010)**

07 95 13 13-0012	LF		Aluminum Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type.....	40.44	5.71
07 95 13 13-0013	LF		Bronze Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type.....	52.71	5.71
07 95 13 13-0014	LF		Stainless Steel Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type.....	62.02	5.71

**07 95 13 13-0015 With 2" Space (07 95 13 13-0010)**

07 95 13 13-0016	LF		Aluminum Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type.....	49.69	5.71
07 95 13 13-0017	LF		Bronze Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type.....	59.62	5.71
07 95 13 13-0018	LF		Stainless Steel Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type.....	74.34	5.71

**07 95 13 16 Exterior Expansion Joint Cover Assemblies (07 95 13)**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 95 13 16-0001		Exterior Roof Aluminum Expansion Joint Cover Assemblies <small>(07 95 13 16)</small>		
07 95 13 16-0002		Roof To Roof <small>(07 95 13 16-0001)</small>		
07 95 13 16-0003	LF	1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint .....	66.16	3.80
07 95 13 16-0004	LF	2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint .....	79.12	3.80
07 95 13 16-0005	LF	3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint .....	88.05	3.80
07 95 13 16-0006		Roof To Wall <small>(07 95 13 16-0001)</small>		
07 95 13 16-0007	LF	Exterior Roof To Wall Expansion Joint, 1" Opening Aluminum Assemblies .....	50.39	3.80
07 95 13 16-0008	LF	Exterior Roof To Wall Expansion Joint, 2" Opening Aluminum Assemblies .....	66.26	3.80
07 95 13 16-0009		Flat Wall To Wall <small>(07 95 13 16-0001)</small>		
07 95 13 16-0010	LF	Exterior Wall To Wall Expansion Joint, 1" Opening Aluminum Assemblies .....	38.08	3.80
07 95 13 16-0011	LF	Exterior Wall To Wall Expansion Joint, 2" Opening Aluminum Assemblies .....	47.60	3.80
07 95 13 16-0012	LF	Exterior Wall To Wall Expansion Joint, 3" Opening Aluminum Assemblies .....	59.09	3.80
07 95 13 16-0013		Corner To Flat Wall <small>(07 95 13 16-0001)</small>		
07 95 13 16-0014	LF	Exterior Corner To Wall Expansion Joint, 1" Opening Aluminum Assemblies .....	36.35	3.80
07 95 13 16-0015	LF	Exterior Corner To Wall Expansion Joint, 2" Opening Aluminum Assemblies .....	42.70	3.80
07 95 13 16-0016	LF	Exterior Corner To Wall Expansion Joint, 3" Opening Aluminum Assemblies .....	60.54	3.80

END OF SECTION 07

**07 Thermal And Moisture Protection**

07 90 Joint Protection

07 95 Expansion Control

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 08 Openings

### 08 01 Operation and Maintenance of Openings (08)

#### 08 01 50 Operation and Maintenance of Windows (08 01)

##### 08 01 52 Operation and Maintenance of Wood Windows (08 01 50)

##### 08 01 52 61 Wood Window Repairs (08 01 52)

##### 08 01 52 61-0001 Window Restoration And Replacement (08 01 52 61)

08 01 52 61-0002	EA	Removal And Replacement Of Sash Guides .....	11.36
08 01 52 61-0003	EA	Removal And Replacement Of Window Arms.....	31.09
08 01 52 61-0004	EA	Removal And Replacement Of Window Crank Operator .....	35.45
08 01 52 61-0005	EA	Removal And Replacement Of Brass Window Sash Pull.....	21.44
08 01 52 61-0006	EA	Removal And Replacement Of Brass Window Sash Lock .....	19.80
08 01 52 61-0007	EA	Removal And Replacement Of Window Balance, Removable Sash Window .....	24.58
		Note: Channel, spiral or coil balance.	
08 01 52 61-0008	EA	Removal And Replacement Of Window Balance, Sash Window, Wooden Stops And/Or Casing .....	77.01
		Note: Channel, spiral or coil balance.	
		<i>For Replacing Two Balances In One Window, Deduct</i>	-28.94

#### 08 01 70 Operation and Maintenance of Hardware (08 01)

##### 08 01 71 Operation and Maintenance of Door Hardware (08 01 70)

##### 08 01 71 81 Door Hardware Replacement (08 01 71)

##### 08 01 71 81-0001 Replacement Keys For Locks (08 01 71 81)

08 01 71 81-0002	EA	LL803 Replacement Keys .....	6.26
08 01 71 81-0003	EA	Cat45 Replacement Keys .....	6.76

#### 08 01 80 Maintenance of Glazing (08 01)

##### 08 01 81 Maintenance of Glass Glazing (08 01 80)

##### 08 01 81 00-0001 Glazing Compound Repair (08 01 81)

08 01 81 00-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing.....	4.89
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## 08 05 Common Work Results for Openings (08)

### 08 05 13 Door Options and Modifications (08 05)

Note: Excludes removal and reinstallation of door.

#### 08 05 13 00-0001 Door Vision Panels (Pemko LT-S1) (08 05 13)

Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	101.18
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	50.59
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	128.08
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	64.04
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	148.57
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	74.29
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	189.56
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	94.78
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	245.92
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	122.96
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	313.80
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	156.90
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	333.01
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	166.51
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	196.86
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	46.00
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	231.80
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	58.22
08 05 13 00-0011	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	260.91
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	67.54
08 05 13 00-0012	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	308.66
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	86.17
08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	370.38
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	111.78

**08 Openings****08 05 Common Work Results for Openings****08 05 13 Door Options and Modifications**

		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....			442.57	
		For 9/16" To 1-1/16" Glazing Pocket, Add			142.64	
08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....			470.53	
		For 9/16" To 1-1/16" Glazing Pocket, Add			151.37	
<b>08 05 13 00-0016</b>		<b>Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) (08 05 13)</b>				
		Note: Factory primed or powder coated.				
08 05 13 00-0017	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....			96.89	
08 05 13 00-0018	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....			110.07	
08 05 13 00-0019	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....			149.63	
08 05 13 00-0020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....			279.02	
08 05 13 00-0021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....			345.09	
08 05 13 00-0022	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....			412.22	
08 05 13 00-0023	EA	For >10 To 14 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....			537.96	
08 05 13 00-0024	EA	For >14 To 18 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....			633.28	
		For 18 Gauge Louver And 18 Gauge Frame, Add			75.99	
08 05 13 00-0025	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....			175.54	
08 05 13 00-0026	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....			196.58	
08 05 13 00-0027	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....			244.01	
08 05 13 00-0028	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....			381.27	
08 05 13 00-0029	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....			455.20	
08 05 13 00-0030	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....			530.19	
08 05 13 00-0031	EA	For >10 To 14 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....			663.80	
08 05 13 00-0032	EA	For >14 To 18 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....			764.36	
		For 18 Gauge Louver And 18 Gauge Frame, Add			75.99	
<b>08 05 13 00-0033</b>		<b>Fire Rated Fusible Link Louvers (Pemko LV-FL) (08 05 13)</b>				
		Note: Factory primed or powder coated.				
08 05 13 00-0034	EA	For Up To 1 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....			196.28	
08 05 13 00-0035	EA	For >1 To 2 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....			224.61	
08 05 13 00-0036	EA	For >2 To 4 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....			263.85	
08 05 13 00-0037	EA	For Up To 1 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....			290.66	
08 05 13 00-0038	EA	For >1 To 2 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....			329.48	
08 05 13 00-0039	EA	For >2 To 4 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....			377.11	
<b>08 05 13 00-0040</b>		<b>Door Hardware Preparation (08 05 13)</b>				
08 05 13 00-0041	EA	Factory Prepare Wood Door (Rated Or Non-Rated) For Mortise Lockset Hardware.....			78.61	
08 05 13 00-0042	EA	Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware.....			193.92	
		Note: Requires door to be taken off site for UL certification.				
08 05 13 00-0043	EA	Prepare Existing Wood Door (Non-Rated) For Mortise Lockset Hardware.....			89.09	
08 05 13 00-0044	EA	Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware.....			157.24	
		Note: Requires door to be taken off site for UL certification.				
08 05 13 00-0045	EA	Prepare Existing Wood Door (Non-Rated) For Cylindrical Lockset Hardware.....			26.20	
08 05 13 00-0046	EA	Prepare Existing Wood Door (Rated) For Concealed Vertical Rod.....			288.29	
		Note: Requires door to be taken off site for UL certification.				
08 05 13 00-0047	EA	Prepare Existing Wood Door (Non-Rated) For Concealed Vertical Rod.....			183.43	
08 05 13 00-0048	EA	Prepare Existing Wood Door (Rated) For Electric Hardware.....			193.92	
		Note: Requires door to be taken off site for UL certification.				
08 05 13 00-0049	EA	Prepare Existing Door (Non-Rated) For Electric Hardware.....			89.09	
<b>08 05 13 00-0050</b>		<b>Door Modifications (08 05 13)</b>				
08 05 13 00-0051	EA	Removal And Reinstallation Of Door.....			89.13	
08 05 13 00-0052	EA	Removal And Reinstallation Of Metal Door Frame.....			174.78	
08 05 13 00-0053	EA	Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile.....			94.38	
		Note: Excludes removal and reinstallation of door.				
08 05 13 00-0054	EA	Modify Metal Door Frame For Door Swing.....			1,104.07	
		Note: Includes removal of door; install blank hinge plates, new continuous hinge, blank strike plate, new strike plate and reinstallation of door.				
08 05 13 00-0055	EA	Factory Installed Sound Proofing (STC 28) In Metal Door.....			124.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 05 13 00-0056	SF		For 16 Gauge Steel Metal Plate Bolted On Door ..... Note: Includes mounting hardware.	24.97	
08 05 13 00-0057	EA		Removal And Reinstallation Of Wood Door Frame.....	105.65	
08 05 13 00-0058	EA		Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile ..... Note: Excludes removal and reinstallation of door.	47.53	
08 05 13 00-0059	EA		Factory Trim Wood Door Edge For Custom Width.....	68.67	

08 10 Doors and Frames <sup>(08)</sup>

08 11 Metal Doors and Frames <sup>(08 10)</sup>

**08 11 63 Metal Screen and Storm Doors and Frames <sup>(08 11)</sup>**

**08 11 63 13 Steel Screen and Storm Doors and Frames <sup>(08 11 63)</sup>**

**08 11 63 13-0001 Steel Screen Door <sup>(08 11 63 13)</sup>**

Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 13-0002	EA		2'-8" x 7", Residential, Steel Screen Door With Frame, Trim, Hardware .....	883.29	144.20
08 11 63 13-0003	EA		3' x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware .....	893.82	149.44
08 11 63 13-0004	EA		Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware .....	923.38	149.44

**08 11 63 23 Aluminum Screen and Storm Doors and Frames <sup>(08 11 63)</sup>**

**08 11 63 23-0001 Aluminum Combination Type With Tempered Glass At Top And Bottom <sup>(08 11 63 23)</sup>**

Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 23-0002	EA		Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware..... <i>For Special Finished, Add</i>	712.60 60.34	83.90
08 11 63 23-0003	EA		Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware .....	746.52	83.90
08 11 63 23-0004	EA		Aluminum Screen Door.....	247.49	52.41
08 11 63 23-0005	SF		Repair Screen Door .....	8.55	

**08 11 73 Sliding Metal Fire Doors <sup>(08 11)</sup>**

**08 11 73 00-0001 Motor Operated Fire Door <sup>(08 11 73)</sup>**

Note: With fusible link, 3 hour rating. Excludes electrical hook-up of motor.

08 11 73 00-0002	EA		3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating .....	4,105.87	475.85
08 11 73 00-0003	EA		3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating .....	4,407.50	475.85
08 11 73 00-0004	EA		4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	4,915.11	475.85
08 11 73 00-0005	EA		5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	5,464.11	475.85

08 12 Metal Frames <sup>(08 10)</sup>

Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.

**08 12 13 Hollow Metal Frames <sup>(08 12)</sup>**

**08 12 13 13 Standard Hollow Metal Frames <sup>(08 12 13)</sup>**

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

**08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <sup>(08 12 13 13)</sup>**

**08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <sup>(08 12 13 13-0001)</sup>**

08 12 13 13-0003	EA		2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	321.77	78.65
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	24.67	
			<i>For Welded Frames, Add</i>	95.88	
			<i>For Galvanized Frames, Add</i>	19.74	
			<i>For Type 304 Stainless Steel Frame, Add</i>	303.91	
			<i>For Type 316 Stainless Steel Frame, Add</i>	353.25	
			<i>For Baked Enamel Finish, Add</i>	72.94	
			<i>For 18 Gauge Frame, Deduct</i>	-16.45	
			<i>For 14 Gauge Frame, Add</i>	41.12	
			<i>For 12 Gauge Frame, Add</i>	62.50	
08 12 13 13-0004	EA		2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	368.83	86.51
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	29.37	
			<i>For Welded Frames, Add</i>	95.88	
			<i>For Galvanized Frames, Add</i>	23.50	
			<i>For Type 304 Stainless Steel Frame, Add</i>	361.09	
			<i>For Type 316 Stainless Steel Frame, Add</i>	419.83	
			<i>For Baked Enamel Finish, Add</i>	84.69	
			<i>For 18 Gauge Frame, Deduct</i>	-19.58	
			<i>For 14 Gauge Frame, Add</i>	48.95	
			<i>For 12 Gauge Frame, Add</i>	74.40	
08 12 13 13-0005	EA		2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	382.45	91.76
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	29.84	
			<i>For Welded Frames, Add</i>	95.88	
			<i>For Galvanized Frames, Add</i>	23.87	
			<i>For Type 304 Stainless Steel Frame, Add</i>	367.25	
			<i>For Type 316 Stainless Steel Frame, Add</i>	426.93	
			<i>For Baked Enamel Finish, Add</i>	87.21	
			<i>For 18 Gauge Frame, Deduct</i>	-19.89	
			<i>For 14 Gauge Frame, Add</i>	49.73	
			<i>For 12 Gauge Frame, Add</i>	75.59	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 12 13 13-0006	EA	2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	398.18	99.62
		For Auxiliary Frame Reinforcement For Hinges, Add	29.84	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	23.87	
		For Type 304 Stainless Steel Frame, Add	368.04	
		For Type 316 Stainless Steel Frame, Add	427.72	
		For Baked Enamel Finish, Add	89.57	
		For 18 Gauge Frame, Deduct	-19.89	
		For 14 Gauge Frame, Add	49.73	
		For 12 Gauge Frame, Add	75.59	
08 12 13 13-0007	EA	2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	406.55	102.25
		For Auxiliary Frame Reinforcement For Hinges, Add	30.31	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	24.25	
		For Type 304 Stainless Steel Frame, Add	373.93	
		For Type 316 Stainless Steel Frame, Add	434.55	
		For Baked Enamel Finish, Add	91.29	
		For 18 Gauge Frame, Deduct	-20.21	
		For 14 Gauge Frame, Add	50.52	
		For 12 Gauge Frame, Add	76.78	
08 12 13 13-0008	EA	3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	414.94	104.87
		For Auxiliary Frame Reinforcement For Hinges, Add	30.78	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	24.62	
		For Type 304 Stainless Steel Frame, Add	379.85	
		For Type 316 Stainless Steel Frame, Add	441.41	
		For Baked Enamel Finish, Add	93.02	
		For 18 Gauge Frame, Deduct	-20.52	
		For 14 Gauge Frame, Add	51.30	
		For 12 Gauge Frame, Add	77.98	
08 12 13 13-0009	EA	3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	439.51	110.11
		For Auxiliary Frame Reinforcement For Hinges, Add	32.89	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	26.31	
		For Type 304 Stainless Steel Frame, Add	405.73	
		For Type 316 Stainless Steel Frame, Add	471.52	
		For Baked Enamel Finish, Add	98.82	
		For 18 Gauge Frame, Deduct	-21.93	
		For 14 Gauge Frame, Add	54.82	
		For 12 Gauge Frame, Add	83.33	
08 12 13 13-0010	EA	3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	450.00	115.36
		For Auxiliary Frame Reinforcement For Hinges, Add	32.89	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	26.31	
		For Type 304 Stainless Steel Frame, Add	406.26	
		For Type 316 Stainless Steel Frame, Add	472.04	
		For Baked Enamel Finish, Add	100.39	
		For 18 Gauge Frame, Deduct	-21.93	
		For 14 Gauge Frame, Add	54.82	
		For 12 Gauge Frame, Add	83.33	
08 12 13 13-0011	EA	4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	468.32	120.59
		For Auxiliary Frame Reinforcement For Hinges, Add	34.07	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	27.25	
		For Type 304 Stainless Steel Frame, Add	420.88	
		For Type 316 Stainless Steel Frame, Add	489.01	
		For Baked Enamel Finish, Add	104.32	
		For 18 Gauge Frame, Deduct	-22.71	
		For 14 Gauge Frame, Add	56.78	
		For 12 Gauge Frame, Add	86.31	
08 12 13 13-0012	EA	5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	486.65	125.84
		For Auxiliary Frame Reinforcement For Hinges, Add	35.24	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	28.20	
		For Type 304 Stainless Steel Frame, Add	435.51	
		For Type 316 Stainless Steel Frame, Add	506.00	
		For Baked Enamel Finish, Add	108.24	
		For 18 Gauge Frame, Deduct	-23.50	
		For 14 Gauge Frame, Add	58.74	
		For 12 Gauge Frame, Add	89.28	
08 12 13 13-0013	EA	5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	497.13	131.08
		For Auxiliary Frame Reinforcement For Hinges, Add	35.24	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	28.20	
		For Type 304 Stainless Steel Frame, Add	436.04	
		For Type 316 Stainless Steel Frame, Add	506.52	
		For Baked Enamel Finish, Add	109.81	
		For 18 Gauge Frame, Deduct	-23.50	
		For 14 Gauge Frame, Add	58.74	
		For 12 Gauge Frame, Add	89.28	
08 12 13 13-0014	EA	5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	506.28	133.71
		For Auxiliary Frame Reinforcement For Hinges, Add	35.83	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	28.66	
		For Type 304 Stainless Steel Frame, Add	443.34	
		For Type 316 Stainless Steel Frame, Add	515.00	
		For Baked Enamel Finish, Add	111.77	
		For 18 Gauge Frame, Deduct	-23.89	
		For 14 Gauge Frame, Add	59.72	
		For 12 Gauge Frame, Add	90.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0015 EA 6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	515.45	136.33
For Auxiliary Frame Reinforcement For Hinges, Add	36.42	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	29.13	
For Type 304 Stainless Steel Frame, Add	450.66	
For Type 316 Stainless Steel Frame, Add	523.49	
For Baked Enamel Finish, Add	113.74	
For 18 Gauge Frame, Deduct	-24.28	
For 14 Gauge Frame, Add	60.70	
For 12 Gauge Frame, Add	92.26	
08 12 13 13-0016 EA 7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	536.35	138.95
For Auxiliary Frame Reinforcement For Hinges, Add	38.77	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	31.01	
For Type 304 Stainless Steel Frame, Add	479.11	
For Type 316 Stainless Steel Frame, Add	556.64	
For Baked Enamel Finish, Add	119.22	
For 18 Gauge Frame, Deduct	-25.85	
For 14 Gauge Frame, Add	64.61	
For 12 Gauge Frame, Add	98.21	
08 12 13 13-0017 EA 8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	557.27	141.57
For Auxiliary Frame Reinforcement For Hinges, Add	41.12	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	32.89	
For Type 304 Stainless Steel Frame, Add	507.57	
For Type 316 Stainless Steel Frame, Add	589.81	
For Baked Enamel Finish, Add	124.71	
For 18 Gauge Frame, Deduct	-27.41	
For 14 Gauge Frame, Add	68.53	
For 12 Gauge Frame, Add	104.17	
<b>08 12 13 13-0018 &gt;7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow</b>		
<b>Metal Door Frames (08 12 13 13-0001)</b>		
08 12 13 13-0019 EA 2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	340.04	78.65
For Auxiliary Frame Reinforcement For Hinges, Add	27.41	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	21.93	
For Type 304 Stainless Steel Frame, Add	336.80	
For Type 316 Stainless Steel Frame, Add	391.62	
For Baked Enamel Finish, Add	78.42	
For 18 Gauge Frame, Deduct	-18.27	
For 14 Gauge Frame, Add	45.69	
For 12 Gauge Frame, Add	69.44	
08 12 13 13-0020 EA 2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	390.58	86.51
For Auxiliary Frame Reinforcement For Hinges, Add	32.63	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	26.11	
For Type 304 Stainless Steel Frame, Add	400.24	
For Type 316 Stainless Steel Frame, Add	465.51	
For Baked Enamel Finish, Add	91.22	
For 18 Gauge Frame, Deduct	-21.76	
For 14 Gauge Frame, Add	54.39	
For 12 Gauge Frame, Add	82.67	
08 12 13 13-0021 EA 2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	404.55	91.76
For Auxiliary Frame Reinforcement For Hinges, Add	33.15	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	26.52	
For Type 304 Stainless Steel Frame, Add	407.03	
For Type 316 Stainless Steel Frame, Add	473.34	
For Baked Enamel Finish, Add	93.84	
For 18 Gauge Frame, Deduct	-22.10	
For 14 Gauge Frame, Add	55.26	
For 12 Gauge Frame, Add	83.99	
08 12 13 13-0022 EA 2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	420.28	99.62
For Auxiliary Frame Reinforcement For Hinges, Add	33.15	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	26.52	
For Type 304 Stainless Steel Frame, Add	407.82	
For Type 316 Stainless Steel Frame, Add	474.13	
For Baked Enamel Finish, Add	96.20	
For 18 Gauge Frame, Deduct	-22.10	
For 14 Gauge Frame, Add	55.26	
For 12 Gauge Frame, Add	83.99	
08 12 13 13-0023 EA 2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	429.00	102.25
For Auxiliary Frame Reinforcement For Hinges, Add	33.68	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	26.94	
For Type 304 Stainless Steel Frame, Add	414.34	
For Type 316 Stainless Steel Frame, Add	481.70	
For Baked Enamel Finish, Add	98.03	
For 18 Gauge Frame, Deduct	-22.45	
For 14 Gauge Frame, Add	56.13	
For 12 Gauge Frame, Add	85.31	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 12 13 13-0024	EA	3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	437.74	104.87
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.20	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	27.36	
		<i>For Type 304 Stainless Steel Frame, Add</i>	420.89	
		<i>For Type 316 Stainless Steel Frame, Add</i>	489.29	
		<i>For Baked Enamel Finish, Add</i>	99.86	
		<i>For 18 Gauge Frame, Deduct</i>	-22.80	
		<i>For 14 Gauge Frame, Add</i>	57.00	
		<i>For 12 Gauge Frame, Add</i>	86.64	
08 12 13 13-0025	EA	3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	463.88	110.11
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.55	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	29.24	
		<i>For Type 304 Stainless Steel Frame, Add</i>	449.60	
		<i>For Type 316 Stainless Steel Frame, Add</i>	522.70	
		<i>For Baked Enamel Finish, Add</i>	106.13	
		<i>For 18 Gauge Frame, Deduct</i>	-24.37	
		<i>For 14 Gauge Frame, Add</i>	60.92	
		<i>For 12 Gauge Frame, Add</i>	92.59	
08 12 13 13-0026	EA	3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	474.37	115.36
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.55	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	29.24	
		<i>For Type 304 Stainless Steel Frame, Add</i>	450.12	
		<i>For Type 316 Stainless Steel Frame, Add</i>	523.22	
		<i>For Baked Enamel Finish, Add</i>	107.70	
		<i>For 18 Gauge Frame, Deduct</i>	-24.37	
		<i>For 14 Gauge Frame, Add</i>	60.92	
		<i>For 12 Gauge Frame, Add</i>	92.59	
08 12 13 13-0027	EA	4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	493.56	120.59
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.85	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	30.28	
		<i>For Type 304 Stainless Steel Frame, Add</i>	466.31	
		<i>For Type 316 Stainless Steel Frame, Add</i>	542.02	
		<i>For Baked Enamel Finish, Add</i>	111.89	
		<i>For 18 Gauge Frame, Deduct</i>	-25.24	
		<i>For 14 Gauge Frame, Add</i>	63.09	
		<i>For 12 Gauge Frame, Add</i>	95.90	
08 12 13 13-0028	EA	5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	512.75	125.84
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.16	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	31.33	
		<i>For Type 304 Stainless Steel Frame, Add</i>	482.49	
		<i>For Type 316 Stainless Steel Frame, Add</i>	560.81	
		<i>For Baked Enamel Finish, Add</i>	116.07	
		<i>For 18 Gauge Frame, Deduct</i>	-26.11	
		<i>For 14 Gauge Frame, Add</i>	65.27	
		<i>For 12 Gauge Frame, Add</i>	99.20	
08 12 13 13-0029	EA	5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	523.23	131.08
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.16	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	31.33	
		<i>For Type 304 Stainless Steel Frame, Add</i>	483.02	
		<i>For Type 316 Stainless Steel Frame, Add</i>	561.33	
		<i>For Baked Enamel Finish, Add</i>	117.64	
		<i>For 18 Gauge Frame, Deduct</i>	-26.11	
		<i>For 14 Gauge Frame, Add</i>	65.27	
		<i>For 12 Gauge Frame, Add</i>	99.20	
08 12 13 13-0030	EA	5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	532.82	133.71
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.81	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	31.85	
		<i>For Type 304 Stainless Steel Frame, Add</i>	491.11	
		<i>For Type 316 Stainless Steel Frame, Add</i>	570.73	
		<i>For Baked Enamel Finish, Add</i>	119.73	
		<i>For 18 Gauge Frame, Deduct</i>	-26.54	
		<i>For 14 Gauge Frame, Add</i>	66.35	
		<i>For 12 Gauge Frame, Add</i>	100.86	
08 12 13 13-0031	EA	6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	542.43	136.33
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	40.47	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	32.37	
		<i>For Type 304 Stainless Steel Frame, Add</i>	499.22	
		<i>For Type 316 Stainless Steel Frame, Add</i>	580.15	
		<i>For Baked Enamel Finish, Add</i>	121.83	
		<i>For 18 Gauge Frame, Deduct</i>	-26.98	
		<i>For 14 Gauge Frame, Add</i>	67.44	
		<i>For 12 Gauge Frame, Add</i>	102.51	
08 12 13 13-0032	EA	7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	565.07	138.95
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	43.08	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	34.46	
		<i>For Type 304 Stainless Steel Frame, Add</i>	530.80	
		<i>For Type 316 Stainless Steel Frame, Add</i>	616.95	
		<i>For Baked Enamel Finish, Add</i>	127.84	
		<i>For 18 Gauge Frame, Deduct</i>	-28.72	
		<i>For 14 Gauge Frame, Add</i>	71.79	
		<i>For 12 Gauge Frame, Add</i>	109.12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0033 EA 8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	587.72	141.57
For Auxiliary Frame Reinforcement For Hinges, Add	45.69	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	36.55	
For Type 304 Stainless Steel Frame, Add	562.38	
For Type 316 Stainless Steel Frame, Add	653.75	
For Baked Enamel Finish, Add	133.84	
For 18 Gauge Frame, Deduct	-30.46	
For 14 Gauge Frame, Add	76.14	
For 12 Gauge Frame, Add	115.74	
<b>08 12 13 13-0034 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)</b>		
Note: For non-rated or fire rated frame assemblies		
<b>08 12 13 13-0035 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0034)</b>		
08 12 13 13-0036 EA 2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	340.04	78.65
For Auxiliary Frame Reinforcement For Hinges, Add	27.41	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	21.93	
For Type 304 Stainless Steel Frame, Add	336.80	
For Type 316 Stainless Steel Frame, Add	391.62	
For Baked Enamel Finish, Add	78.42	
For 18 Gauge Frame, Deduct	-18.27	
For 14 Gauge Frame, Add	45.69	
For 12 Gauge Frame, Add	69.44	
08 12 13 13-0037 EA 2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	390.58	86.51
For Auxiliary Frame Reinforcement For Hinges, Add	32.63	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	26.11	
For Type 304 Stainless Steel Frame, Add	400.24	
For Type 316 Stainless Steel Frame, Add	465.51	
For Baked Enamel Finish, Add	91.22	
For 18 Gauge Frame, Deduct	-21.76	
For 14 Gauge Frame, Add	54.39	
For 12 Gauge Frame, Add	82.67	
08 12 13 13-0038 EA 2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	404.55	91.76
For Auxiliary Frame Reinforcement For Hinges, Add	33.15	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	26.52	
For Type 304 Stainless Steel Frame, Add	407.03	
For Type 316 Stainless Steel Frame, Add	473.34	
For Baked Enamel Finish, Add	93.84	
For 18 Gauge Frame, Deduct	-22.10	
For 14 Gauge Frame, Add	55.26	
For 12 Gauge Frame, Add	83.99	
08 12 13 13-0039 EA 2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	420.28	99.62
For Auxiliary Frame Reinforcement For Hinges, Add	33.15	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	26.52	
For Type 304 Stainless Steel Frame, Add	407.82	
For Type 316 Stainless Steel Frame, Add	474.13	
For Baked Enamel Finish, Add	96.20	
For 18 Gauge Frame, Deduct	-22.10	
For 14 Gauge Frame, Add	55.26	
For 12 Gauge Frame, Add	83.99	
08 12 13 13-0040 EA 2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	429.00	102.25
For Auxiliary Frame Reinforcement For Hinges, Add	33.68	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	26.94	
For Type 304 Stainless Steel Frame, Add	414.34	
For Type 316 Stainless Steel Frame, Add	481.70	
For Baked Enamel Finish, Add	98.03	
For 18 Gauge Frame, Deduct	-22.45	
For 14 Gauge Frame, Add	56.13	
For 12 Gauge Frame, Add	85.31	
08 12 13 13-0041 EA 3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	437.73	104.87
For Auxiliary Frame Reinforcement For Hinges, Add	34.20	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	27.36	
For Type 304 Stainless Steel Frame, Add	420.87	
For Type 316 Stainless Steel Frame, Add	489.27	
For Baked Enamel Finish, Add	99.86	
For 18 Gauge Frame, Deduct	-22.80	
For 14 Gauge Frame, Add	57.00	
For 12 Gauge Frame, Add	86.64	
08 12 13 13-0042 EA 3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	463.88	110.11
For Auxiliary Frame Reinforcement For Hinges, Add	36.55	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	29.24	
For Type 304 Stainless Steel Frame, Add	449.60	
For Type 316 Stainless Steel Frame, Add	522.70	
For Baked Enamel Finish, Add	106.13	
For 18 Gauge Frame, Deduct	-24.37	
For 14 Gauge Frame, Add	60.92	
For 12 Gauge Frame, Add	92.59	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 12 13 13-0043	EA	3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	474.37	115.36
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.55	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	29.24	
		<i>For Type 304 Stainless Steel Frame, Add</i>	450.12	
		<i>For Type 316 Stainless Steel Frame, Add</i>	523.22	
		<i>For Baked Enamel Finish, Add</i>	107.70	
		<i>For 18 Gauge Frame, Deduct</i>	-24.37	
		<i>For 14 Gauge Frame, Add</i>	60.92	
		<i>For 12 Gauge Frame, Add</i>	92.59	
08 12 13 13-0044	EA	4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	493.56	120.59
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.85	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	30.28	
		<i>For Type 304 Stainless Steel Frame, Add</i>	466.31	
		<i>For Type 316 Stainless Steel Frame, Add</i>	542.02	
		<i>For Baked Enamel Finish, Add</i>	111.89	
		<i>For 18 Gauge Frame, Deduct</i>	-25.24	
		<i>For 14 Gauge Frame, Add</i>	63.09	
		<i>For 12 Gauge Frame, Add</i>	95.90	
08 12 13 13-0045	EA	5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	512.75	125.84
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.16	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	31.33	
		<i>For Type 304 Stainless Steel Frame, Add</i>	482.49	
		<i>For Type 316 Stainless Steel Frame, Add</i>	560.81	
		<i>For Baked Enamel Finish, Add</i>	116.07	
		<i>For 18 Gauge Frame, Deduct</i>	-26.11	
		<i>For 14 Gauge Frame, Add</i>	65.27	
		<i>For 12 Gauge Frame, Add</i>	99.20	
08 12 13 13-0046	EA	5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	523.23	131.08
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.16	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	31.33	
		<i>For Type 304 Stainless Steel Frame, Add</i>	483.02	
		<i>For Type 316 Stainless Steel Frame, Add</i>	561.33	
		<i>For Baked Enamel Finish, Add</i>	117.64	
		<i>For 18 Gauge Frame, Deduct</i>	-26.11	
		<i>For 14 Gauge Frame, Add</i>	65.27	
		<i>For 12 Gauge Frame, Add</i>	99.20	
08 12 13 13-0047	EA	5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	532.82	133.71
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.81	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	31.85	
		<i>For Type 304 Stainless Steel Frame, Add</i>	491.11	
		<i>For Type 316 Stainless Steel Frame, Add</i>	570.73	
		<i>For Baked Enamel Finish, Add</i>	119.73	
		<i>For 18 Gauge Frame, Deduct</i>	-26.54	
		<i>For 14 Gauge Frame, Add</i>	66.35	
		<i>For 12 Gauge Frame, Add</i>	100.86	
08 12 13 13-0048	EA	6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	542.42	136.33
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	40.46	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	32.37	
		<i>For Type 304 Stainless Steel Frame, Add</i>	499.20	
		<i>For Type 316 Stainless Steel Frame, Add</i>	580.13	
		<i>For Baked Enamel Finish, Add</i>	121.83	
		<i>For 18 Gauge Frame, Deduct</i>	-26.98	
		<i>For 14 Gauge Frame, Add</i>	67.44	
		<i>For 12 Gauge Frame, Add</i>	102.51	
08 12 13 13-0049	EA	7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	565.07	138.95
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	43.08	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	34.46	
		<i>For Type 304 Stainless Steel Frame, Add</i>	530.80	
		<i>For Type 316 Stainless Steel Frame, Add</i>	616.95	
		<i>For Baked Enamel Finish, Add</i>	127.84	
		<i>For 18 Gauge Frame, Deduct</i>	-28.72	
		<i>For 14 Gauge Frame, Add</i>	71.79	
		<i>For 12 Gauge Frame, Add</i>	109.12	
08 12 13 13-0050	EA	8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	587.72	141.57
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	45.69	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	36.55	
		<i>For Type 304 Stainless Steel Frame, Add</i>	562.38	
		<i>For Type 316 Stainless Steel Frame, Add</i>	653.75	
		<i>For Baked Enamel Finish, Add</i>	133.84	
		<i>For 18 Gauge Frame, Deduct</i>	-30.46	
		<i>For 14 Gauge Frame, Add</i>	76.14	
		<i>For 12 Gauge Frame, Add</i>	115.74	

08 12 13 13-0051 >7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0034)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0052 EA 2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	360.35	78.65
For Auxiliary Frame Reinforcement For Hinges, Add	30.46	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	24.37	
For Type 304 Stainless Steel Frame, Add	373.36	
For Type 316 Stainless Steel Frame, Add	434.27	
For Baked Enamel Finish, Add	84.51	
For 18 Gauge Frame, Deduct	-20.31	
For 14 Gauge Frame, Add	50.76	
For 12 Gauge Frame, Add	77.16	
08 12 13 13-0053 EA 2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	414.75	86.51
For Auxiliary Frame Reinforcement For Hinges, Add	36.26	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	29.01	
For Type 304 Stainless Steel Frame, Add	443.75	
For Type 316 Stainless Steel Frame, Add	516.26	
For Baked Enamel Finish, Add	98.47	
For 18 Gauge Frame, Deduct	-24.17	
For 14 Gauge Frame, Add	60.43	
For 12 Gauge Frame, Add	91.85	
08 12 13 13-0054 EA 2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	429.11	91.76
For Auxiliary Frame Reinforcement For Hinges, Add	36.84	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	29.47	
For Type 304 Stainless Steel Frame, Add	451.24	
For Type 316 Stainless Steel Frame, Add	524.92	
For Baked Enamel Finish, Add	101.21	
For 18 Gauge Frame, Deduct	-24.56	
For 14 Gauge Frame, Add	61.40	
For 12 Gauge Frame, Add	93.32	
08 12 13 13-0055 EA 2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	444.84	99.62
For Auxiliary Frame Reinforcement For Hinges, Add	36.84	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	29.47	
For Type 304 Stainless Steel Frame, Add	452.02	
For Type 316 Stainless Steel Frame, Add	525.70	
For Baked Enamel Finish, Add	103.56	
For 18 Gauge Frame, Deduct	-24.56	
For 14 Gauge Frame, Add	61.40	
For 12 Gauge Frame, Add	93.32	
08 12 13 13-0056 EA 2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	453.95	102.25
For Auxiliary Frame Reinforcement For Hinges, Add	37.42	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	29.94	
For Type 304 Stainless Steel Frame, Add	459.25	
For Type 316 Stainless Steel Frame, Add	534.09	
For Baked Enamel Finish, Add	105.51	
For 18 Gauge Frame, Deduct	-24.95	
For 14 Gauge Frame, Add	62.37	
For 12 Gauge Frame, Add	94.79	
08 12 13 13-0057 EA 3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	463.07	104.87
For Auxiliary Frame Reinforcement For Hinges, Add	38.00	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	30.40	
For Type 304 Stainless Steel Frame, Add	466.48	
For Type 316 Stainless Steel Frame, Add	542.48	
For Baked Enamel Finish, Add	107.46	
For 18 Gauge Frame, Deduct	-25.33	
For 14 Gauge Frame, Add	63.33	
For 12 Gauge Frame, Add	96.27	
08 12 13 13-0058 EA 3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	490.95	110.11
For Auxiliary Frame Reinforcement For Hinges, Add	40.61	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	32.49	
For Type 304 Stainless Steel Frame, Add	498.33	
For Type 316 Stainless Steel Frame, Add	579.54	
For Baked Enamel Finish, Add	114.25	
For 18 Gauge Frame, Deduct	-27.07	
For 14 Gauge Frame, Add	67.68	
For 12 Gauge Frame, Add	102.88	
08 12 13 13-0059 EA 3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	501.44	115.36
For Auxiliary Frame Reinforcement For Hinges, Add	40.61	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	32.49	
For Type 304 Stainless Steel Frame, Add	498.85	
For Type 316 Stainless Steel Frame, Add	580.07	
For Baked Enamel Finish, Add	115.83	
For 18 Gauge Frame, Deduct	-27.07	
For 14 Gauge Frame, Add	67.68	
For 12 Gauge Frame, Add	102.88	
08 12 13 13-0060 EA 4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	521.60	120.59
For Auxiliary Frame Reinforcement For Hinges, Add	42.06	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	33.65	
For Type 304 Stainless Steel Frame, Add	516.78	
For Type 316 Stainless Steel Frame, Add	600.90	
For Baked Enamel Finish, Add	120.30	
For 18 Gauge Frame, Deduct	-28.04	
For 14 Gauge Frame, Add	70.10	
For 12 Gauge Frame, Add	106.55	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 12 13 13-0061	EA 5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	541.76	125.84
	For Auxiliary Frame Reinforcement For Hinges, Add	43.51	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	34.81	
	For Type 304 Stainless Steel Frame, Add	534.71	
	For Type 316 Stainless Steel Frame, Add	621.73	
	For Baked Enamel Finish, Add	124.77	
	For 18 Gauge Frame, Deduct	-29.01	
	For 14 Gauge Frame, Add	72.52	
	For 12 Gauge Frame, Add	110.23	
08 12 13 13-0062	EA 5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	552.24	131.08
	For Auxiliary Frame Reinforcement For Hinges, Add	43.51	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	34.81	
	For Type 304 Stainless Steel Frame, Add	535.23	
	For Type 316 Stainless Steel Frame, Add	622.26	
	For Baked Enamel Finish, Add	126.35	
	For 18 Gauge Frame, Deduct	-29.01	
	For 14 Gauge Frame, Add	72.52	
	For 12 Gauge Frame, Add	110.23	
08 12 13 13-0063	EA 5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	562.31	133.71
	For Auxiliary Frame Reinforcement For Hinges, Add	44.24	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	35.39	
	For Type 304 Stainless Steel Frame, Add	544.19	
	For Type 316 Stainless Steel Frame, Add	632.66	
	For Baked Enamel Finish, Add	128.58	
	For 18 Gauge Frame, Deduct	-29.49	
	For 14 Gauge Frame, Add	73.73	
	For 12 Gauge Frame, Add	112.06	
08 12 13 13-0064	EA 6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	572.40	136.33
	For Auxiliary Frame Reinforcement For Hinges, Add	44.96	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	35.97	
	For Type 304 Stainless Steel Frame, Add	553.17	
	For Type 316 Stainless Steel Frame, Add	643.09	
	For Baked Enamel Finish, Add	130.82	
	For 18 Gauge Frame, Deduct	-29.97	
	For 14 Gauge Frame, Add	74.94	
	For 12 Gauge Frame, Add	113.90	
08 12 13 13-0065	EA 7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	596.98	138.95
	For Auxiliary Frame Reinforcement For Hinges, Add	47.86	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	38.29	
	For Type 304 Stainless Steel Frame, Add	588.24	
	For Type 316 Stainless Steel Frame, Add	683.96	
	For Baked Enamel Finish, Add	137.41	
	For 18 Gauge Frame, Deduct	-31.91	
	For 14 Gauge Frame, Add	79.77	
	For 12 Gauge Frame, Add	121.25	
08 12 13 13-0066	EA 8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	621.57	141.57
	For Auxiliary Frame Reinforcement For Hinges, Add	50.76	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	40.61	
	For Type 304 Stainless Steel Frame, Add	623.31	
	For Type 316 Stainless Steel Frame, Add	724.84	
	For Baked Enamel Finish, Add	144.00	
	For 18 Gauge Frame, Deduct	-33.84	
	For 14 Gauge Frame, Add	84.61	
	For 12 Gauge Frame, Add	128.60	
08 12 13 13-0067	6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13)</small>		
	Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0068	6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0067)</small>		
08 12 13 13-0069	EA 2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	446.60	78.65
	For Auxiliary Frame Reinforcement For Hinges, Add	43.40	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	34.72	
	For Type 304 Stainless Steel Frame, Add	528.61	
	For Type 316 Stainless Steel Frame, Add	615.40	
	For Baked Enamel Finish, Add	110.39	
	For 18 Gauge Frame, Deduct	-28.93	
	For 14 Gauge Frame, Add	72.33	
	For 12 Gauge Frame, Add	109.93	
08 12 13 13-0070	EA 2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	517.44	86.51
	For Auxiliary Frame Reinforcement For Hinges, Add	51.66	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	41.33	
	For Type 304 Stainless Steel Frame, Add	628.59	
	For Type 316 Stainless Steel Frame, Add	731.91	
	For Baked Enamel Finish, Add	129.28	
	For 18 Gauge Frame, Deduct	-34.44	
	For 14 Gauge Frame, Add	86.10	
	For 12 Gauge Frame, Add	130.88	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0071 EA 2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	533.44	91.76
For Auxiliary Frame Reinforcement For Hinges, Add	52.49	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	41.99	
For Type 304 Stainless Steel Frame, Add	639.03	
For Type 316 Stainless Steel Frame, Add	744.01	
For Baked Enamel Finish, Add	132.50	
For 18 Gauge Frame, Deduct	-34.99	
For 14 Gauge Frame, Add	87.48	
For 12 Gauge Frame, Add	132.97	
08 12 13 13-0072 EA 2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	549.17	99.62
For Auxiliary Frame Reinforcement For Hinges, Add	52.49	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	41.99	
For Type 304 Stainless Steel Frame, Add	639.82	
For Type 316 Stainless Steel Frame, Add	744.79	
For Baked Enamel Finish, Add	134.86	
For 18 Gauge Frame, Deduct	-34.99	
For 14 Gauge Frame, Add	87.48	
For 12 Gauge Frame, Add	132.97	
08 12 13 13-0073 EA 2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	559.92	102.25
For Auxiliary Frame Reinforcement For Hinges, Add	53.31	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	42.65	
For Type 304 Stainless Steel Frame, Add	650.00	
For Type 316 Stainless Steel Frame, Add	756.63	
For Baked Enamel Finish, Add	137.30	
For 18 Gauge Frame, Deduct	-35.54	
For 14 Gauge Frame, Add	88.86	
For 12 Gauge Frame, Add	135.06	
08 12 13 13-0074 EA 3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	570.68	104.87
For Auxiliary Frame Reinforcement For Hinges, Add	54.14	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	43.31	
For Type 304 Stainless Steel Frame, Add	660.18	
For Type 316 Stainless Steel Frame, Add	768.46	
For Baked Enamel Finish, Add	139.74	
For 18 Gauge Frame, Deduct	-36.09	
For 14 Gauge Frame, Add	90.24	
For 12 Gauge Frame, Add	137.16	
08 12 13 13-0075 EA 3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	605.96	110.11
For Auxiliary Frame Reinforcement For Hinges, Add	57.86	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	46.29	
For Type 304 Stainless Steel Frame, Add	705.34	
For Type 316 Stainless Steel Frame, Add	821.07	
For Baked Enamel Finish, Add	148.76	
For 18 Gauge Frame, Deduct	-38.57	
For 14 Gauge Frame, Add	96.44	
For 12 Gauge Frame, Add	146.58	
08 12 13 13-0076 EA 3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	616.45	115.36
For Auxiliary Frame Reinforcement For Hinges, Add	57.86	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	46.29	
For Type 304 Stainless Steel Frame, Add	705.87	
For Type 316 Stainless Steel Frame, Add	821.59	
For Baked Enamel Finish, Add	150.33	
For 18 Gauge Frame, Deduct	-38.57	
For 14 Gauge Frame, Add	96.44	
For 12 Gauge Frame, Add	146.58	
08 12 13 13-0077 EA 4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	640.71	120.59
For Auxiliary Frame Reinforcement For Hinges, Add	59.93	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	47.94	
For Type 304 Stainless Steel Frame, Add	731.18	
For Type 316 Stainless Steel Frame, Add	851.03	
For Baked Enamel Finish, Add	156.03	
For 18 Gauge Frame, Deduct	-39.95	
For 14 Gauge Frame, Add	99.88	
For 12 Gauge Frame, Add	151.81	
08 12 13 13-0078 EA 5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	664.98	125.84
For Auxiliary Frame Reinforcement For Hinges, Add	61.99	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	49.59	
For Type 304 Stainless Steel Frame, Add	756.51	
For Type 316 Stainless Steel Frame, Add	880.49	
For Baked Enamel Finish, Add	161.74	
For 18 Gauge Frame, Deduct	-41.33	
For 14 Gauge Frame, Add	103.32	
For 12 Gauge Frame, Add	157.05	
08 12 13 13-0079 EA 5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	675.46	131.08
For Auxiliary Frame Reinforcement For Hinges, Add	61.99	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	49.59	
For Type 304 Stainless Steel Frame, Add	757.03	
For Type 316 Stainless Steel Frame, Add	881.02	
For Baked Enamel Finish, Add	163.31	
For 18 Gauge Frame, Deduct	-41.33	
For 14 Gauge Frame, Add	103.32	
For 12 Gauge Frame, Add	157.05	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 12 13 13-0080	EA	5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	687.59	133.71
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	63.03	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	50.42	
		<i>For Type 304 Stainless Steel Frame, Add</i>	769.69	
		<i>For Type 316 Stainless Steel Frame, Add</i>	895.75	
		<i>For Baked Enamel Finish, Add</i>	166.17	
		<i>For 18 Gauge Frame, Deduct</i>	-42.02	
		<i>For 14 Gauge Frame, Add</i>	105.05	
		<i>For 12 Gauge Frame, Add</i>	159.67	
08 12 13 13-0081	EA	6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	699.73	136.33
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	64.06	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	51.25	
		<i>For Type 304 Stainless Steel Frame, Add</i>	782.36	
		<i>For Type 316 Stainless Steel Frame, Add</i>	910.48	
		<i>For Baked Enamel Finish, Add</i>	169.02	
		<i>For 18 Gauge Frame, Deduct</i>	-42.71	
		<i>For 14 Gauge Frame, Add</i>	106.77	
		<i>For 12 Gauge Frame, Add</i>	162.29	
08 12 13 13-0082	EA	7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	732.52	138.95
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	68.19	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	54.55	
		<i>For Type 304 Stainless Steel Frame, Add</i>	832.21	
		<i>For Type 316 Stainless Steel Frame, Add</i>	968.60	
		<i>For Baked Enamel Finish, Add</i>	178.07	
		<i>For 18 Gauge Frame, Deduct</i>	-45.46	
		<i>For 14 Gauge Frame, Add</i>	113.66	
		<i>For 12 Gauge Frame, Add</i>	172.76	
08 12 13 13-0083	EA	8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	765.32	141.57
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	72.33	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	57.86	
		<i>For Type 304 Stainless Steel Frame, Add</i>	882.06	
		<i>For Type 316 Stainless Steel Frame, Add</i>	1,026.71	
		<i>For Baked Enamel Finish, Add</i>	187.12	
		<i>For 18 Gauge Frame, Deduct</i>	-48.22	
		<i>For 14 Gauge Frame, Add</i>	120.54	
		<i>For 12 Gauge Frame, Add</i>	183.22	

**08 12 13 13-0084 >7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames** (08 12 13 13-0067)

08 12 13 13-0085	EA	2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	478.75	78.65
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	48.22	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	38.57	
		<i>For Type 304 Stainless Steel Frame, Add</i>	586.48	
		<i>For Type 316 Stainless Steel Frame, Add</i>	682.91	
		<i>For Baked Enamel Finish, Add</i>	120.03	
		<i>For 18 Gauge Frame, Deduct</i>	-32.15	
		<i>For 14 Gauge Frame, Add</i>	80.36	
		<i>For 12 Gauge Frame, Add</i>	122.15	
08 12 13 13-0086	EA	2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	555.71	86.51
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	57.40	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	45.92	
		<i>For Type 304 Stainless Steel Frame, Add</i>	697.48	
		<i>For Type 316 Stainless Steel Frame, Add</i>	812.28	
		<i>For Baked Enamel Finish, Add</i>	140.76	
		<i>For 18 Gauge Frame, Deduct</i>	-38.27	
		<i>For 14 Gauge Frame, Add</i>	95.67	
		<i>For 12 Gauge Frame, Add</i>	145.42	
08 12 13 13-0087	EA	2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	572.32	91.76
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	58.32	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	46.66	
		<i>For Type 304 Stainless Steel Frame, Add</i>	709.02	
		<i>For Type 316 Stainless Steel Frame, Add</i>	825.66	
		<i>For Baked Enamel Finish, Add</i>	144.17	
		<i>For 18 Gauge Frame, Deduct</i>	-38.88	
		<i>For 14 Gauge Frame, Add</i>	97.20	
		<i>For 12 Gauge Frame, Add</i>	147.74	
08 12 13 13-0088	EA	2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	588.05	99.62
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	58.32	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	46.66	
		<i>For Type 304 Stainless Steel Frame, Add</i>	709.80	
		<i>For Type 316 Stainless Steel Frame, Add</i>	826.44	
		<i>For Baked Enamel Finish, Add</i>	146.53	
		<i>For 18 Gauge Frame, Deduct</i>	-38.88	
		<i>For 14 Gauge Frame, Add</i>	97.20	
		<i>For 12 Gauge Frame, Add</i>	147.74	



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 12 13 13-0089	EA	2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	599.41	102.25
		For Auxiliary Frame Reinforcement For Hinges, Add	59.24	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	47.39	
		For Type 304 Stainless Steel Frame, Add	721.08	
		For Type 316 Stainless Steel Frame, Add	839.56	
		For Baked Enamel Finish, Add	149.15	
		For 18 Gauge Frame, Deduct	-39.49	
		For 14 Gauge Frame, Add	98.73	
		For 12 Gauge Frame, Add	150.07	
08 12 13 13-0090	EA	3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	610.79	104.87
		For Auxiliary Frame Reinforcement For Hinges, Add	60.16	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	48.13	
		For Type 304 Stainless Steel Frame, Add	732.38	
		For Type 316 Stainless Steel Frame, Add	852.69	
		For Baked Enamel Finish, Add	151.78	
		For 18 Gauge Frame, Deduct	-40.11	
		For 14 Gauge Frame, Add	100.26	
		For 12 Gauge Frame, Add	152.40	
08 12 13 13-0091	EA	3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	648.82	110.11
		For Auxiliary Frame Reinforcement For Hinges, Add	64.29	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	51.43	
		For Type 304 Stainless Steel Frame, Add	782.49	
		For Type 316 Stainless Steel Frame, Add	911.07	
		For Baked Enamel Finish, Add	161.61	
		For 18 Gauge Frame, Deduct	-42.86	
		For 14 Gauge Frame, Add	107.15	
		For 12 Gauge Frame, Add	162.87	
08 12 13 13-0092	EA	3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	659.31	115.36
		For Auxiliary Frame Reinforcement For Hinges, Add	64.29	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	51.43	
		For Type 304 Stainless Steel Frame, Add	783.02	
		For Type 316 Stainless Steel Frame, Add	911.60	
		For Baked Enamel Finish, Add	163.19	
		For 18 Gauge Frame, Deduct	-42.86	
		For 14 Gauge Frame, Add	107.15	
		For 12 Gauge Frame, Add	162.87	
08 12 13 13-0093	EA	4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	685.11	120.59
		For Auxiliary Frame Reinforcement For Hinges, Add	66.59	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	53.27	
		For Type 304 Stainless Steel Frame, Add	811.10	
		For Type 316 Stainless Steel Frame, Add	944.27	
		For Baked Enamel Finish, Add	169.35	
		For 18 Gauge Frame, Deduct	-44.39	
		For 14 Gauge Frame, Add	110.98	
		For 12 Gauge Frame, Add	168.69	
08 12 13 13-0094	EA	5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	710.90	125.84
		For Auxiliary Frame Reinforcement For Hinges, Add	68.88	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	55.11	
		For Type 304 Stainless Steel Frame, Add	839.16	
		For Type 316 Stainless Steel Frame, Add	976.93	
		For Baked Enamel Finish, Add	175.52	
		For 18 Gauge Frame, Deduct	-45.92	
		For 14 Gauge Frame, Add	114.80	
		For 12 Gauge Frame, Add	174.50	
08 12 13 13-0095	EA	5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	721.38	131.08
		For Auxiliary Frame Reinforcement For Hinges, Add	68.88	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	55.11	
		For Type 304 Stainless Steel Frame, Add	839.69	
		For Type 316 Stainless Steel Frame, Add	977.45	
		For Baked Enamel Finish, Add	177.09	
		For 18 Gauge Frame, Deduct	-45.92	
		For 14 Gauge Frame, Add	114.80	
		For 12 Gauge Frame, Add	174.50	
08 12 13 13-0096	EA	5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	734.28	133.71
		For Auxiliary Frame Reinforcement For Hinges, Add	70.03	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	56.02	
		For Type 304 Stainless Steel Frame, Add	853.74	
		For Type 316 Stainless Steel Frame, Add	993.80	
		For Baked Enamel Finish, Add	180.17	
		For 18 Gauge Frame, Deduct	-46.69	
		For 14 Gauge Frame, Add	116.72	
		For 12 Gauge Frame, Add	177.41	
08 12 13 13-0097	EA	6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	747.18	136.33
		For Auxiliary Frame Reinforcement For Hinges, Add	71.18	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	56.94	
		For Type 304 Stainless Steel Frame, Add	867.77	
		For Type 316 Stainless Steel Frame, Add	1,010.13	
		For Baked Enamel Finish, Add	183.26	
		For 18 Gauge Frame, Deduct	-47.45	
		For 14 Gauge Frame, Add	118.63	
		For 12 Gauge Frame, Add	180.32	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 12 13 13-0098	EA 7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	783.03	138.95
	For Auxiliary Frame Reinforcement For Hinges, Add	75.77	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	60.62	
	For Type 304 Stainless Steel Frame, Add	923.13	
	For Type 316 Stainless Steel Frame, Add	1,074.67	
	For Baked Enamel Finish, Add	193.22	
	For 18 Gauge Frame, Deduct	-50.51	
	For 14 Gauge Frame, Add	126.28	
	For 12 Gauge Frame, Add	191.95	
08 12 13 13-0099	EA 8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	818.90	141.57
	For Auxiliary Frame Reinforcement For Hinges, Add	80.36	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	64.29	
	For Type 304 Stainless Steel Frame, Add	978.51	
	For Type 316 Stainless Steel Frame, Add	1,139.23	
	For Baked Enamel Finish, Add	203.20	
	For 18 Gauge Frame, Deduct	-53.58	
	For 14 Gauge Frame, Add	133.94	
	For 12 Gauge Frame, Add	203.59	
08 12 13 13-0100	6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13)</small> Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0101	6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0100)</small>		
08 12 13 13-0102	EA 2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	468.30	78.65
	For Auxiliary Frame Reinforcement For Hinges, Add	46.65	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	37.32	
	For Type 304 Stainless Steel Frame, Add	567.67	
	For Type 316 Stainless Steel Frame, Add	660.97	
	For Baked Enamel Finish, Add	116.90	
	For 18 Gauge Frame, Deduct	-31.10	
	For 14 Gauge Frame, Add	77.75	
	For 12 Gauge Frame, Add	118.18	
08 12 13 13-0103	EA 2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	543.27	86.51
	For Auxiliary Frame Reinforcement For Hinges, Add	55.54	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	44.43	
	For Type 304 Stainless Steel Frame, Add	675.08	
	For Type 316 Stainless Steel Frame, Add	786.16	
	For Baked Enamel Finish, Add	137.03	
	For 18 Gauge Frame, Deduct	-37.02	
	For 14 Gauge Frame, Add	92.56	
	For 12 Gauge Frame, Add	140.69	
08 12 13 13-0104	EA 2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	559.68	91.76
	For Auxiliary Frame Reinforcement For Hinges, Add	56.42	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	45.14	
	For Type 304 Stainless Steel Frame, Add	686.26	
	For Type 316 Stainless Steel Frame, Add	799.11	
	For Baked Enamel Finish, Add	140.38	
	For 18 Gauge Frame, Deduct	-37.62	
	For 14 Gauge Frame, Add	94.04	
	For 12 Gauge Frame, Add	142.94	
08 12 13 13-0105	EA 2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	575.41	99.62
	For Auxiliary Frame Reinforcement For Hinges, Add	56.42	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	45.14	
	For Type 304 Stainless Steel Frame, Add	687.05	
	For Type 316 Stainless Steel Frame, Add	799.90	
	For Baked Enamel Finish, Add	142.74	
	For 18 Gauge Frame, Deduct	-37.62	
	For 14 Gauge Frame, Add	94.04	
	For 12 Gauge Frame, Add	142.94	
08 12 13 13-0106	EA 2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	586.58	102.25
	For Auxiliary Frame Reinforcement For Hinges, Add	57.31	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	45.85	
	For Type 304 Stainless Steel Frame, Add	697.99	
	For Type 316 Stainless Steel Frame, Add	812.61	
	For Baked Enamel Finish, Add	145.30	
	For 18 Gauge Frame, Deduct	-38.21	
	For 14 Gauge Frame, Add	95.52	
	For 12 Gauge Frame, Add	145.19	
08 12 13 13-0107	EA 3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	597.75	104.87
	For Auxiliary Frame Reinforcement For Hinges, Add	58.20	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	46.56	
	For Type 304 Stainless Steel Frame, Add	708.91	
	For Type 316 Stainless Steel Frame, Add	825.31	
	For Baked Enamel Finish, Add	147.86	
	For 18 Gauge Frame, Deduct	-38.80	
	For 14 Gauge Frame, Add	97.00	
	For 12 Gauge Frame, Add	147.44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0108 EA 3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	634.89	110.11
For Auxiliary Frame Reinforcement For Hinges, Add	62.20	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	49.76	
For Type 304 Stainless Steel Frame, Add	757.42	
For Type 316 Stainless Steel Frame, Add	881.82	
For Baked Enamel Finish, Add	157.43	
For 18 Gauge Frame, Deduct	-41.47	
For 14 Gauge Frame, Add	103.67	
For 12 Gauge Frame, Add	157.57	
08 12 13 13-0109 EA 3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	645.38	115.36
For Auxiliary Frame Reinforcement For Hinges, Add	62.20	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	49.76	
For Type 304 Stainless Steel Frame, Add	757.94	
For Type 316 Stainless Steel Frame, Add	882.34	
For Baked Enamel Finish, Add	159.01	
For 18 Gauge Frame, Deduct	-41.47	
For 14 Gauge Frame, Add	103.67	
For 12 Gauge Frame, Add	157.57	
08 12 13 13-0110 EA 4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	670.68	120.59
For Auxiliary Frame Reinforcement For Hinges, Add	64.42	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	51.54	
For Type 304 Stainless Steel Frame, Add	785.12	
For Type 316 Stainless Steel Frame, Add	913.97	
For Baked Enamel Finish, Add	165.02	
For 18 Gauge Frame, Deduct	-42.95	
For 14 Gauge Frame, Add	107.37	
For 12 Gauge Frame, Add	163.20	
08 12 13 13-0111 EA 5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	695.98	125.84
For Auxiliary Frame Reinforcement For Hinges, Add	66.64	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	53.31	
For Type 304 Stainless Steel Frame, Add	812.31	
For Type 316 Stainless Steel Frame, Add	945.59	
For Baked Enamel Finish, Add	171.04	
For 18 Gauge Frame, Deduct	-44.43	
For 14 Gauge Frame, Add	111.07	
For 12 Gauge Frame, Add	168.83	
08 12 13 13-0112 EA 5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	706.46	131.08
For Auxiliary Frame Reinforcement For Hinges, Add	66.64	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	53.31	
For Type 304 Stainless Steel Frame, Add	812.83	
For Type 316 Stainless Steel Frame, Add	946.12	
For Baked Enamel Finish, Add	172.61	
For 18 Gauge Frame, Deduct	-44.43	
For 14 Gauge Frame, Add	111.07	
For 12 Gauge Frame, Add	168.83	
08 12 13 13-0113 EA 5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	719.10	133.71
For Auxiliary Frame Reinforcement For Hinges, Add	67.75	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	54.20	
For Type 304 Stainless Steel Frame, Add	826.41	
For Type 316 Stainless Steel Frame, Add	961.92	
For Baked Enamel Finish, Add	175.62	
For 18 Gauge Frame, Deduct	-45.17	
For 14 Gauge Frame, Add	112.92	
For 12 Gauge Frame, Add	171.64	
08 12 13 13-0114 EA 6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	731.76	136.33
For Auxiliary Frame Reinforcement For Hinges, Add	68.87	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	55.09	
For Type 304 Stainless Steel Frame, Add	840.01	
For Type 316 Stainless Steel Frame, Add	977.74	
For Baked Enamel Finish, Add	178.63	
For 18 Gauge Frame, Deduct	-45.91	
For 14 Gauge Frame, Add	114.78	
For 12 Gauge Frame, Add	174.46	
08 12 13 13-0115 EA 7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	766.61	138.95
For Auxiliary Frame Reinforcement For Hinges, Add	73.31	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	58.65	
For Type 304 Stainless Steel Frame, Add	893.57	
For Type 316 Stainless Steel Frame, Add	1,040.19	
For Baked Enamel Finish, Add	188.30	
For 18 Gauge Frame, Deduct	-48.87	
For 14 Gauge Frame, Add	122.18	
For 12 Gauge Frame, Add	185.71	
08 12 13 13-0116 EA 8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	801.49	141.57
For Auxiliary Frame Reinforcement For Hinges, Add	77.75	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	62.20	
For Type 304 Stainless Steel Frame, Add	947.17	
For Type 316 Stainless Steel Frame, Add	1,102.67	
For Baked Enamel Finish, Add	197.97	
For 18 Gauge Frame, Deduct	-51.83	
For 14 Gauge Frame, Add	129.59	
For 12 Gauge Frame, Add	196.97	

## 08 Openings

## 08 10 Doors and Frames

## 08 12 Metal Frames

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 12 13 13-0117	>7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0100)</small>		
08 12 13 13-0118	EA 2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	502.86	78.65
	For Auxiliary Frame Reinforcement For Hinges, Add	51.83	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	41.47	
	For Type 304 Stainless Steel Frame, Add	629.87	
	For Type 316 Stainless Steel Frame, Add	733.54	
	For Baked Enamel Finish, Add	127.26	
	For 18 Gauge Frame, Deduct	-34.56	
	For 14 Gauge Frame, Add	86.39	
	For 12 Gauge Frame, Add	131.31	
08 12 13 13-0119	EA 2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	584.41	86.51
	For Auxiliary Frame Reinforcement For Hinges, Add	61.71	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	49.37	
	For Type 304 Stainless Steel Frame, Add	749.14	
	For Type 316 Stainless Steel Frame, Add	872.55	
	For Baked Enamel Finish, Add	149.37	
	For 18 Gauge Frame, Deduct	-41.14	
	For 14 Gauge Frame, Add	102.85	
	For 12 Gauge Frame, Add	156.32	
08 12 13 13-0120	EA 2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	601.48	91.76
	For Auxiliary Frame Reinforcement For Hinges, Add	62.69	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	50.16	
	For Type 304 Stainless Steel Frame, Add	761.50	
	For Type 316 Stainless Steel Frame, Add	886.89	
	For Baked Enamel Finish, Add	152.92	
	For 18 Gauge Frame, Deduct	-41.80	
	For 14 Gauge Frame, Add	104.49	
	For 12 Gauge Frame, Add	158.82	
08 12 13 13-0121	EA 2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	617.21	99.62
	For Auxiliary Frame Reinforcement For Hinges, Add	62.69	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	50.16	
	For Type 304 Stainless Steel Frame, Add	762.29	
	For Type 316 Stainless Steel Frame, Add	887.68	
	For Baked Enamel Finish, Add	155.28	
	For 18 Gauge Frame, Deduct	-41.80	
	For 14 Gauge Frame, Add	104.49	
	For 12 Gauge Frame, Add	158.82	
08 12 13 13-0122	EA 2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	629.03	102.25
	For Auxiliary Frame Reinforcement For Hinges, Add	63.68	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	50.94	
	For Type 304 Stainless Steel Frame, Add	774.40	
	For Type 316 Stainless Steel Frame, Add	901.76	
	For Baked Enamel Finish, Add	158.04	
	For 18 Gauge Frame, Deduct	-42.45	
	For 14 Gauge Frame, Add	106.14	
	For 12 Gauge Frame, Add	161.33	
08 12 13 13-0123	EA 3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	640.86	104.87
	For Auxiliary Frame Reinforcement For Hinges, Add	64.67	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	51.73	
	For Type 304 Stainless Steel Frame, Add	786.50	
	For Type 316 Stainless Steel Frame, Add	915.84	
	For Baked Enamel Finish, Add	160.80	
	For 18 Gauge Frame, Deduct	-43.11	
	For 14 Gauge Frame, Add	107.78	
	For 12 Gauge Frame, Add	163.83	
08 12 13 13-0124	EA 3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	680.96	110.11
	For Auxiliary Frame Reinforcement For Hinges, Add	69.11	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	55.29	
	For Type 304 Stainless Steel Frame, Add	840.34	
	For Type 316 Stainless Steel Frame, Add	978.57	
	For Baked Enamel Finish, Add	171.26	
	For 18 Gauge Frame, Deduct	-46.07	
	For 14 Gauge Frame, Add	115.19	
	For 12 Gauge Frame, Add	175.08	
08 12 13 13-0125	EA 3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	691.45	115.36
	For Auxiliary Frame Reinforcement For Hinges, Add	69.11	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	55.29	
	For Type 304 Stainless Steel Frame, Add	840.87	
	For Type 316 Stainless Steel Frame, Add	979.09	
	For Baked Enamel Finish, Add	172.83	
	For 18 Gauge Frame, Deduct	-46.07	
	For 14 Gauge Frame, Add	115.19	
	For 12 Gauge Frame, Add	175.08	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0126 EA 4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	718.40	120.59
For Auxiliary Frame Reinforcement For Hinges, Add	71.58	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	57.26	
For Type 304 Stainless Steel Frame, Add	871.02	
For Type 316 Stainless Steel Frame, Add	1,014.18	
For Baked Enamel Finish, Add	179.34	
For 18 Gauge Frame, Deduct	-47.72	
For 14 Gauge Frame, Add	119.30	
For 12 Gauge Frame, Add	181.34	
08 12 13 13-0127 EA 5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	745.34	125.84
For Auxiliary Frame Reinforcement For Hinges, Add	74.05	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	59.24	
For Type 304 Stainless Steel Frame, Add	901.15	
For Type 316 Stainless Steel Frame, Add	1,049.25	
For Baked Enamel Finish, Add	185.85	
For 18 Gauge Frame, Deduct	-49.37	
For 14 Gauge Frame, Add	123.41	
For 12 Gauge Frame, Add	187.59	
08 12 13 13-0128 EA 5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	755.82	131.08
For Auxiliary Frame Reinforcement For Hinges, Add	74.05	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	59.24	
For Type 304 Stainless Steel Frame, Add	901.68	
For Type 316 Stainless Steel Frame, Add	1,049.77	
For Baked Enamel Finish, Add	187.42	
For 18 Gauge Frame, Deduct	-49.37	
For 14 Gauge Frame, Add	123.41	
For 12 Gauge Frame, Add	187.59	
08 12 13 13-0129 EA 5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	769.29	133.71
For Auxiliary Frame Reinforcement For Hinges, Add	75.28	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	60.23	
For Type 304 Stainless Steel Frame, Add	916.75	
For Type 316 Stainless Steel Frame, Add	1,067.32	
For Baked Enamel Finish, Add	190.68	
For 18 Gauge Frame, Deduct	-50.19	
For 14 Gauge Frame, Add	125.47	
For 12 Gauge Frame, Add	190.71	
08 12 13 13-0130 EA 6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	782.77	136.33
For Auxiliary Frame Reinforcement For Hinges, Add	76.52	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	61.21	
For Type 304 Stainless Steel Frame, Add	931.83	
For Type 316 Stainless Steel Frame, Add	1,084.86	
For Baked Enamel Finish, Add	193.93	
For 18 Gauge Frame, Deduct	-51.01	
For 14 Gauge Frame, Add	127.53	
For 12 Gauge Frame, Add	193.84	
08 12 13 13-0131 EA 7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	820.91	138.95
For Auxiliary Frame Reinforcement For Hinges, Add	81.45	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	65.16	
For Type 304 Stainless Steel Frame, Add	991.31	
For Type 316 Stainless Steel Frame, Add	1,154.22	
For Baked Enamel Finish, Add	204.59	
For 18 Gauge Frame, Deduct	-54.30	
For 14 Gauge Frame, Add	135.75	
For 12 Gauge Frame, Add	206.34	
08 12 13 13-0132 EA 8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	859.08	141.57
For Auxiliary Frame Reinforcement For Hinges, Add	86.39	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	69.11	
For Type 304 Stainless Steel Frame, Add	1,050.83	
For Type 316 Stainless Steel Frame, Add	1,223.61	
For Baked Enamel Finish, Add	215.25	
For 18 Gauge Frame, Deduct	-57.59	
For 14 Gauge Frame, Add	143.98	
For 12 Gauge Frame, Add	218.85	
08 12 13 13-0133 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13)</small>		
Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0134 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0133)</small>		
08 12 13 13-0135 EA 2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	482.77	78.65
For Auxiliary Frame Reinforcement For Hinges, Add	48.82	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	39.06	
For Type 304 Stainless Steel Frame, Add	593.71	
For Type 316 Stainless Steel Frame, Add	691.35	
For Baked Enamel Finish, Add	121.24	
For 18 Gauge Frame, Deduct	-32.55	
For 14 Gauge Frame, Add	81.37	
For 12 Gauge Frame, Add	123.68	

## 08 Openings

## 08 10 Doors and Frames

## 08 12 Metal Frames

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 12 13 13-0136	EA 2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	560.49	86.51
	For Auxiliary Frame Reinforcement For Hinges, Add	58.12	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	46.50	
	For Type 304 Stainless Steel Frame, Add	706.08	
	For Type 316 Stainless Steel Frame, Add	822.32	
	For Baked Enamel Finish, Add	142.19	
	For 18 Gauge Frame, Deduct	-38.75	
	For 14 Gauge Frame, Add	96.87	
	For 12 Gauge Frame, Add	147.23	
08 12 13 13-0137	EA 2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	577.18	91.76
	For Auxiliary Frame Reinforcement For Hinges, Add	59.05	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	47.24	
	For Type 304 Stainless Steel Frame, Add	717.76	
	For Type 316 Stainless Steel Frame, Add	835.86	
	For Baked Enamel Finish, Add	145.63	
	For 18 Gauge Frame, Deduct	-39.37	
	For 14 Gauge Frame, Add	98.42	
	For 12 Gauge Frame, Add	149.59	
08 12 13 13-0138	EA 2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	592.91	99.62
	For Auxiliary Frame Reinforcement For Hinges, Add	59.05	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	47.24	
	For Type 304 Stainless Steel Frame, Add	718.55	
	For Type 316 Stainless Steel Frame, Add	836.65	
	For Baked Enamel Finish, Add	147.99	
	For 18 Gauge Frame, Deduct	-39.37	
	For 14 Gauge Frame, Add	98.42	
	For 12 Gauge Frame, Add	149.59	
08 12 13 13-0139	EA 2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	604.35	102.25
	For Auxiliary Frame Reinforcement For Hinges, Add	59.98	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	47.98	
	For Type 304 Stainless Steel Frame, Add	729.97	
	For Type 316 Stainless Steel Frame, Add	849.93	
	For Baked Enamel Finish, Add	150.63	
	For 18 Gauge Frame, Deduct	-39.99	
	For 14 Gauge Frame, Add	99.97	
	For 12 Gauge Frame, Add	151.95	
08 12 13 13-0140	EA 3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	615.80	104.87
	For Auxiliary Frame Reinforcement For Hinges, Add	60.91	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	48.73	
	For Type 304 Stainless Steel Frame, Add	741.40	
	For Type 316 Stainless Steel Frame, Add	863.21	
	For Baked Enamel Finish, Add	153.28	
	For 18 Gauge Frame, Deduct	-40.61	
	For 14 Gauge Frame, Add	101.52	
	For 12 Gauge Frame, Add	154.30	
08 12 13 13-0141	EA 3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	654.18	110.11
	For Auxiliary Frame Reinforcement For Hinges, Add	65.09	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	52.08	
	For Type 304 Stainless Steel Frame, Add	792.14	
	For Type 316 Stainless Steel Frame, Add	922.33	
	For Baked Enamel Finish, Add	163.22	
	For 18 Gauge Frame, Deduct	-43.40	
	For 14 Gauge Frame, Add	108.49	
	For 12 Gauge Frame, Add	164.90	
08 12 13 13-0142	EA 3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	664.67	115.36
	For Auxiliary Frame Reinforcement For Hinges, Add	65.09	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	52.08	
	For Type 304 Stainless Steel Frame, Add	792.66	
	For Type 316 Stainless Steel Frame, Add	922.85	
	For Baked Enamel Finish, Add	164.79	
	For 18 Gauge Frame, Deduct	-43.40	
	For 14 Gauge Frame, Add	108.49	
	For 12 Gauge Frame, Add	164.90	
08 12 13 13-0143	EA 4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	690.65	120.59
	For Auxiliary Frame Reinforcement For Hinges, Add	67.42	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	53.93	
	For Type 304 Stainless Steel Frame, Add	821.07	
	For Type 316 Stainless Steel Frame, Add	955.91	
	For Baked Enamel Finish, Add	171.02	
	For 18 Gauge Frame, Deduct	-44.95	
	For 14 Gauge Frame, Add	112.36	
	For 12 Gauge Frame, Add	170.79	
08 12 13 13-0144	EA 5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	716.64	125.84
	For Auxiliary Frame Reinforcement For Hinges, Add	69.74	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	55.79	
	For Type 304 Stainless Steel Frame, Add	849.49	
	For Type 316 Stainless Steel Frame, Add	988.98	
	For Baked Enamel Finish, Add	177.24	
	For 18 Gauge Frame, Deduct	-46.50	
	For 14 Gauge Frame, Add	116.24	
	For 12 Gauge Frame, Add	176.68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0145 EA 5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	727.12	131.08
For Auxiliary Frame Reinforcement For Hinges, Add	69.74	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	55.79	
For Type 304 Stainless Steel Frame, Add	850.02	
For Type 316 Stainless Steel Frame, Add	989.50	
For Baked Enamel Finish, Add	178.81	
For 18 Gauge Frame, Deduct	-46.50	
For 14 Gauge Frame, Add	116.24	
For 12 Gauge Frame, Add	176.68	
08 12 13 13-0146 EA 5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	740.11	133.71
For Auxiliary Frame Reinforcement For Hinges, Add	70.91	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	56.72	
For Type 304 Stainless Steel Frame, Add	864.23	
For Type 316 Stainless Steel Frame, Add	1,006.04	
For Baked Enamel Finish, Add	181.92	
For 18 Gauge Frame, Deduct	-47.27	
For 14 Gauge Frame, Add	118.18	
For 12 Gauge Frame, Add	179.63	
08 12 13 13-0147 EA 6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	753.11	136.33
For Auxiliary Frame Reinforcement For Hinges, Add	72.07	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	57.65	
For Type 304 Stainless Steel Frame, Add	878.44	
For Type 316 Stainless Steel Frame, Add	1,022.58	
For Baked Enamel Finish, Add	185.03	
For 18 Gauge Frame, Deduct	-48.05	
For 14 Gauge Frame, Add	120.11	
For 12 Gauge Frame, Add	182.57	
08 12 13 13-0148 EA 7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	789.34	138.95
For Auxiliary Frame Reinforcement For Hinges, Add	76.72	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	61.37	
For Type 304 Stainless Steel Frame, Add	934.49	
For Type 316 Stainless Steel Frame, Add	1,087.92	
For Baked Enamel Finish, Add	195.12	
For 18 Gauge Frame, Deduct	-51.14	
For 14 Gauge Frame, Add	127.86	
For 12 Gauge Frame, Add	194.35	
08 12 13 13-0149 EA 8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	825.60	141.57
For Auxiliary Frame Reinforcement For Hinges, Add	81.37	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	65.09	
For Type 304 Stainless Steel Frame, Add	990.57	
For Type 316 Stainless Steel Frame, Add	1,153.30	
For Baked Enamel Finish, Add	205.21	
For 18 Gauge Frame, Deduct	-54.25	
For 14 Gauge Frame, Add	135.61	
For 12 Gauge Frame, Add	206.13	
 08 12 13 13-0150 >7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0133)</small>		
08 12 13 13-0151 EA 2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	518.93	78.65
For Auxiliary Frame Reinforcement For Hinges, Add	54.24	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	43.40	
For Type 304 Stainless Steel Frame, Add	658.80	
For Type 316 Stainless Steel Frame, Add	767.29	
For Baked Enamel Finish, Add	132.08	
For 18 Gauge Frame, Deduct	-36.16	
For 14 Gauge Frame, Add	90.41	
For 12 Gauge Frame, Add	137.42	
08 12 13 13-0152 EA 2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	603.54	86.51
For Auxiliary Frame Reinforcement For Hinges, Add	64.58	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	51.66	
For Type 304 Stainless Steel Frame, Add	783.57	
For Type 316 Stainless Steel Frame, Add	912.72	
For Baked Enamel Finish, Add	155.11	
For 18 Gauge Frame, Deduct	-43.05	
For 14 Gauge Frame, Add	107.63	
For 12 Gauge Frame, Add	163.59	
08 12 13 13-0153 EA 2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	620.92	91.76
For Auxiliary Frame Reinforcement For Hinges, Add	65.61	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	52.49	
For Type 304 Stainless Steel Frame, Add	796.50	
For Type 316 Stainless Steel Frame, Add	927.72	
For Baked Enamel Finish, Add	158.75	
For 18 Gauge Frame, Deduct	-43.74	
For 14 Gauge Frame, Add	109.35	
For 12 Gauge Frame, Add	166.21	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 12 13 13-0154	EA 2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	636.65	99.62
	For Auxiliary Frame Reinforcement For Hinges, Add	65.61	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	52.49	
	For Type 304 Stainless Steel Frame, Add	797.28	
	For Type 316 Stainless Steel Frame, Add	928.50	
	For Baked Enamel Finish, Add	161.11	
	For 18 Gauge Frame, Deduct	-43.74	
	For 14 Gauge Frame, Add	109.35	
	For 12 Gauge Frame, Add	166.21	
08 12 13 13-0155	EA 2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	648.78	102.25
	For Auxiliary Frame Reinforcement For Hinges, Add	66.64	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	53.31	
	For Type 304 Stainless Steel Frame, Add	809.95	
	For Type 316 Stainless Steel Frame, Add	943.23	
	For Baked Enamel Finish, Add	163.96	
	For 18 Gauge Frame, Deduct	-44.43	
	For 14 Gauge Frame, Add	111.07	
	For 12 Gauge Frame, Add	168.83	
08 12 13 13-0156	EA 3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	660.92	104.87
	For Auxiliary Frame Reinforcement For Hinges, Add	67.68	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	54.14	
	For Type 304 Stainless Steel Frame, Add	822.61	
	For Type 316 Stainless Steel Frame, Add	957.97	
	For Baked Enamel Finish, Add	166.82	
	For 18 Gauge Frame, Deduct	-45.12	
	For 14 Gauge Frame, Add	112.80	
	For 12 Gauge Frame, Add	171.45	
08 12 13 13-0157	EA 3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	702.39	110.11
	For Auxiliary Frame Reinforcement For Hinges, Add	72.33	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	57.86	
	For Type 304 Stainless Steel Frame, Add	878.92	
	For Type 316 Stainless Steel Frame, Add	1,023.57	
	For Baked Enamel Finish, Add	177.68	
	For 18 Gauge Frame, Deduct	-48.22	
	For 14 Gauge Frame, Add	120.54	
	For 12 Gauge Frame, Add	183.22	
08 12 13 13-0158	EA 3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	712.88	115.36
	For Auxiliary Frame Reinforcement For Hinges, Add	72.33	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	57.86	
	For Type 304 Stainless Steel Frame, Add	879.44	
	For Type 316 Stainless Steel Frame, Add	1,024.09	
	For Baked Enamel Finish, Add	179.26	
	For 18 Gauge Frame, Deduct	-48.22	
	For 14 Gauge Frame, Add	120.54	
	For 12 Gauge Frame, Add	183.22	
08 12 13 13-0159	EA 4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	740.59	120.59
	For Auxiliary Frame Reinforcement For Hinges, Add	74.91	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	59.93	
	For Type 304 Stainless Steel Frame, Add	910.96	
	For Type 316 Stainless Steel Frame, Add	1,060.78	
	For Baked Enamel Finish, Add	186.00	
	For 18 Gauge Frame, Deduct	-49.94	
	For 14 Gauge Frame, Add	124.85	
	For 12 Gauge Frame, Add	189.77	
08 12 13 13-0160	EA 5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	768.30	125.84
	For Auxiliary Frame Reinforcement For Hinges, Add	77.49	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	61.99	
	For Type 304 Stainless Steel Frame, Add	942.48	
	For Type 316 Stainless Steel Frame, Add	1,097.47	
	For Baked Enamel Finish, Add	192.74	
	For 18 Gauge Frame, Deduct	-51.66	
	For 14 Gauge Frame, Add	129.15	
	For 12 Gauge Frame, Add	196.31	
08 12 13 13-0161	EA 5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	778.78	131.08
	For Auxiliary Frame Reinforcement For Hinges, Add	77.49	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	61.99	
	For Type 304 Stainless Steel Frame, Add	943.01	
	For Type 316 Stainless Steel Frame, Add	1,097.99	
	For Baked Enamel Finish, Add	194.31	
	For 18 Gauge Frame, Deduct	-51.66	
	For 14 Gauge Frame, Add	129.15	
	For 12 Gauge Frame, Add	196.31	
08 12 13 13-0162	EA 5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	792.63	133.71
	For Auxiliary Frame Reinforcement For Hinges, Add	78.78	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	63.03	
	For Type 304 Stainless Steel Frame, Add	958.77	
	For Type 316 Stainless Steel Frame, Add	1,116.33	
	For Baked Enamel Finish, Add	197.68	
	For 18 Gauge Frame, Deduct	-52.52	
	For 14 Gauge Frame, Add	131.31	
	For 12 Gauge Frame, Add	199.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0163 EA 6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	806.49	136.33
For Auxiliary Frame Reinforcement For Hinges, Add	80.07	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	64.06	
For Type 304 Stainless Steel Frame, Add	974.53	
For Type 316 Stainless Steel Frame, Add	1,134.68	
For Baked Enamel Finish, Add	201.05	
For 18 Gauge Frame, Deduct	-53.38	
For 14 Gauge Frame, Add	133.46	
For 12 Gauge Frame, Add	202.86	
08 12 13 13-0164 EA 7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	846.17	138.95
For Auxiliary Frame Reinforcement For Hinges, Add	85.24	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	68.19	
For Type 304 Stainless Steel Frame, Add	1,036.78	
For Type 316 Stainless Steel Frame, Add	1,207.26	
For Baked Enamel Finish, Add	212.17	
For 18 Gauge Frame, Deduct	-56.83	
For 14 Gauge Frame, Add	142.07	
For 12 Gauge Frame, Add	215.94	
08 12 13 13-0165 EA 8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	885.87	141.57
For Auxiliary Frame Reinforcement For Hinges, Add	90.41	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	72.33	
For Type 304 Stainless Steel Frame, Add	1,099.05	
For Type 316 Stainless Steel Frame, Add	1,279.87	
For Baked Enamel Finish, Add	223.29	
For 18 Gauge Frame, Deduct	-60.27	
For 14 Gauge Frame, Add	150.68	
For 12 Gauge Frame, Add	229.03	
<b>08 12 13 13-0166 Sidelights And Transoms</b> <small>(08 12 13 13)</small>		
Note: For non-rated or fire rated frame assemblies		
<b>08 12 13 13-0167 Fixed Steel Transoms</b> <small>(08 12 13 13-0166)</small>		
Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0168 SF 4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom .....	58.64	14.68
For Movable Frame, Add	11.73	
For 18 Gauge Frame, Deduct	-2.93	
For 14 Gauge Frame, Add	7.32	
For 12 Gauge Frame, Add	11.12	
08 12 13 13-0169 SF 5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom .....	61.12	15.20
For Movable Frame, Add	12.22	
For 18 Gauge Frame, Deduct	-3.07	
For 14 Gauge Frame, Add	7.68	
For 12 Gauge Frame, Add	11.67	
08 12 13 13-0170 SF 6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom .....	63.72	15.74
For Movable Frame, Add	12.74	
For 18 Gauge Frame, Deduct	-3.23	
For 14 Gauge Frame, Add	8.07	
For 12 Gauge Frame, Add	12.26	
<b>08 12 13 13-0171 Operable Steel Transom Sash</b> <small>(08 12 13 13-0166)</small>		
Note: Includes hardware.		
08 12 13 13-0172 SF 4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash .....	78.41	14.68
For 18 Gauge Frame, Deduct	-4.90	
For 14 Gauge Frame, Add	12.26	
For 12 Gauge Frame, Add	18.64	
08 12 13 13-0173 SF 5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash .....	81.91	15.20
For 18 Gauge Frame, Deduct	-5.15	
For 14 Gauge Frame, Add	12.88	
For 12 Gauge Frame, Add	19.57	
08 12 13 13-0174 SF 6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash .....	85.53	15.74
For 18 Gauge Frame, Deduct	-5.41	
For 14 Gauge Frame, Add	13.52	
For 12 Gauge Frame, Add	20.55	
<b>08 12 13 13-0175 Sidelights, Steel Frame</b> <small>(08 12 13 13-0166)</small>		
Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0176 SF 4-3/4" Deep Sidelights, 16 Gauge Frame .....	60.82	14.68
For 18 Gauge Frame, Deduct	-3.15	
For 14 Gauge Frame, Add	7.86	
For 12 Gauge Frame, Add	11.95	
08 12 13 13-0177 SF 5-3/4" Deep Sidelights, 16 Gauge Frame .....	63.44	15.20
For 18 Gauge Frame, Deduct	-3.30	
For 14 Gauge Frame, Add	8.26	
For 12 Gauge Frame, Add	12.55	
08 12 13 13-0178 SF 6-3/4" Deep Sidelights, 16 Gauge Frame .....	66.13	15.74
For 18 Gauge Frame, Deduct	-3.47	
For 14 Gauge Frame, Add	8.67	
For 12 Gauge Frame, Add	13.17	
<b>08 12 13 13-0179 Sundry Hollow Metal Frame Sections</b> <small>(08 12 13 13)</small>		
Note: For non-rated or fire rated frame assemblies		
<b>08 12 13 13-0180 16 Gauge, Hollow Metal Frame Vertical Mullions</b> <small>(08 12 13 13-0179)</small>		

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 12 13 13-0181	LF 4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	34.68	5.87
	<i>For 18 Gauge Frame, Deduct</i>	-1.99	
	<i>For 14 Gauge Frame, Add</i>	4.98	
	<i>For 12 Gauge Frame, Add</i>	7.57	
	<i>For 3 Hour Frame, Add</i>	8.00	
	<i>For 1-1/2 Hour Frame, Add</i>	5.00	
	<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0182	LF 4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	35.48	5.87
	<i>For 18 Gauge Frame, Deduct</i>	-2.07	
	<i>For 14 Gauge Frame, Add</i>	5.18	
	<i>For 12 Gauge Frame, Add</i>	7.87	
	<i>For 3 Hour Frame, Add</i>	8.00	
	<i>For 1-1/2 Hour Frame, Add</i>	5.00	
	<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0183	LF 5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	35.11	6.08
	<i>For 18 Gauge Frame, Deduct</i>	-1.99	
	<i>For 14 Gauge Frame, Add</i>	4.98	
	<i>For 12 Gauge Frame, Add</i>	7.57	
	<i>For 3 Hour Frame, Add</i>	8.00	
	<i>For 1-1/2 Hour Frame, Add</i>	5.00	
	<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0184	LF 5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	36.35	6.08
	<i>For 18 Gauge Frame, Deduct</i>	-2.12	
	<i>For 14 Gauge Frame, Add</i>	5.29	
	<i>For 12 Gauge Frame, Add</i>	8.04	
	<i>For 3 Hour Frame, Add</i>	8.00	
	<i>For 1-1/2 Hour Frame, Add</i>	5.00	
	<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0185	LF 6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	36.43	6.19
	<i>For 18 Gauge Frame, Deduct</i>	-2.09	
	<i>For 14 Gauge Frame, Add</i>	5.23	
	<i>For 12 Gauge Frame, Add</i>	7.94	
	<i>For 3 Hour Frame, Add</i>	8.00	
	<i>For 1-1/2 Hour Frame, Add</i>	5.00	
	<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0186	LF 6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	36.90	6.19
	<i>For 18 Gauge Frame, Deduct</i>	-2.14	
	<i>For 14 Gauge Frame, Add</i>	5.34	
	<i>For 12 Gauge Frame, Add</i>	8.12	
	<i>For 3 Hour Frame, Add</i>	8.00	
	<i>For 1-1/2 Hour Frame, Add</i>	5.00	
	<i>For 3/4 Hour Frame, Add</i>	4.00	
<b>08 12 13 13-0187</b>	<b>16 Gauge, Hollow Metal Frame Horizontal Rails (08 12 13 13-0179)</b>		
08 12 13 13-0188	LF 4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	24.72	5.87
	<i>For 18 Gauge Frame, Deduct</i>	-1.00	
	<i>For 14 Gauge Frame, Add</i>	2.49	
	<i>For 12 Gauge Frame, Add</i>	3.78	
	<i>For 3 Hour Frame, Add</i>	8.00	
	<i>For 1-1/2 Hour Frame, Add</i>	5.00	
	<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0189	LF 4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	25.74	5.87
	<i>For 18 Gauge Frame, Deduct</i>	-1.10	
	<i>For 14 Gauge Frame, Add</i>	2.74	
	<i>For 12 Gauge Frame, Add</i>	4.17	
	<i>For 3 Hour Frame, Add</i>	8.00	
	<i>For 1-1/2 Hour Frame, Add</i>	5.00	
	<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0190	LF 5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	25.15	6.08
	<i>For 18 Gauge Frame, Deduct</i>	-1.00	
	<i>For 14 Gauge Frame, Add</i>	2.49	
	<i>For 12 Gauge Frame, Add</i>	3.78	
	<i>For 3 Hour Frame, Add</i>	8.00	
	<i>For 1-1/2 Hour Frame, Add</i>	5.00	
	<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0191	LF 5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	26.17	6.08
	<i>For 18 Gauge Frame, Deduct</i>	-1.10	
	<i>For 14 Gauge Frame, Add</i>	2.74	
	<i>For 12 Gauge Frame, Add</i>	4.17	
	<i>For 3 Hour Frame, Add</i>	8.00	
	<i>For 1-1/2 Hour Frame, Add</i>	5.00	
	<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0192	LF 6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	25.98	6.19
	<i>For 18 Gauge Frame, Deduct</i>	-1.05	
	<i>For 14 Gauge Frame, Add</i>	2.61	
	<i>For 12 Gauge Frame, Add</i>	3.97	
	<i>For 3 Hour Frame, Add</i>	8.00	
	<i>For 1-1/2 Hour Frame, Add</i>	5.00	
	<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0193	LF 6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	26.86	6.19
	<i>For 18 Gauge Frame, Deduct</i>	-1.13	
	<i>For 14 Gauge Frame, Add</i>	2.83	
	<i>For 12 Gauge Frame, Add</i>	4.31	
	<i>For 3 Hour Frame, Add</i>	8.00	
	<i>For 1-1/2 Hour Frame, Add</i>	5.00	
	<i>For 3/4 Hour Frame, Add</i>	4.00	
<b>08 12 13 13-0194</b>	<b>16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullions (08 12 13 13-0179)</b>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0195	EA		4-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	892.68 -78.99 197.48 300.17	41.11
08 12 13 13-0196	EA		4-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	924.19 -82.14 205.36 312.14	41.11
08 12 13 13-0197	EA		5-1/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	1,022.98 -91.71 229.27 348.48 56.00 36.00 28.00	43.00
08 12 13 13-0198	EA		5-1/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	1,051.11 -94.52 236.30 359.17 56.00 36.00 28.00	43.00
08 12 13 13-0199	EA		6-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	1,188.08 -107.80 269.49 409.63 56.00 36.00 28.00	44.04
08 12 13 13-0200	EA		6-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	1,207.21 -109.71 274.28 416.90 56.00 36.00 28.00	44.04
08 12 13 13-0201			<b>Metal Frames Accessories</b> (08 12 13 13)		
08 12 13 13-0202	EA		For 1' Extension Of New Door Frame .....	35.72	
<b>08 12 16 Aluminum Frames</b> (08 12)					
<b>08 12 16 00-0001 Two Piece Aluminum Door Frames</b> (08 12 16)					
<b>08 12 16 00-0002 4-1/8" x 3/8" Two Piece Aluminum Door Frames</b> (08 12 16 00-0001)					
08 12 16 00-0003	EA		Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head .....	1,831.04	57.67
08 12 16 00-0004	EA		Two Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head .....	1,831.04	57.67
<b>08 12 16 00-0005 4-3/4" x 1-3/8" Two Piece Aluminum Door Frames</b> (08 12 16 00-0001)					
08 12 16 00-0006	EA		Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head .....	1,831.04	57.67
08 12 16 00-0007	EA		Two Piece Aluminum Door Frame Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head .....	1,831.04	57.67
<b>08 13 Metal Doors</b> (08 10)					
Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.					
<b>08 13 13 Hollow Metal Doors</b> (08 13)					
<b>08 13 13 13 Standard Hollow Metal Doors</b> (08 13 13)					
Note: Hollow Metal Doors are full flush, fabricated from cold rolled steel conforming to ASTM A1008, honeycomb core, interlocking mechanical vertical edge seam, with epoxy baked-on primer. Galvanized steel doors are fabricated from a carbon steel sheet that has been coated with zinc on two sides by the continuous hot-dip process. Hollow Metal Doors are organized by the following levels: 20 Gauge, Level 1 Standard Duty; 18 Gauge, Level 2 Heavy Duty; 16 Gauge, Level 3 Extra Heavy Duty; 14 Gauge, Level 4 Maximum Duty.					
08 13 13 13-0001			<b>20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors</b> (08 13 13 13)		
08 13 13 13-0002			<b>6'-8" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors</b> (08 13 13 13-0001)		
08 13 13 13-0003	EA		2' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	574.24	57.67
			<i>For Galvanized Steel Door, Add</i>	91.78	
			<i>For Type 304 Stainless Steel Door, Add</i>	367.10	
			<i>For Type 316 Stainless Steel Door, Add</i>	596.54	
			<i>For Embossed Panel Door, Add</i>	110.13	
			<i>For Baked Enamel Finish, Add</i>	154.97	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-31.60	
			<i>For &gt;100, Deduct</i>	-45.95	
			<i>For Polystyrene Core, Add</i>	45.89	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	114.72	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	57.36	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0004	EA 2'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	574.24	57.67
	For Galvanized Steel Door, Add	91.78	
	For Type 304 Stainless Steel Door, Add	367.10	
	For Type 316 Stainless Steel Door, Add	596.54	
	For Embossed Panel Door, Add	110.13	
	For Baked Enamel Finish, Add	154.97	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-31.60	
	For >100, Deduct	-45.95	
	For Polystyrene Core, Add	45.89	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	114.72	
	For Continuously Welded And Filled Vertical Edge Seam, Add	57.36	
08 13 13 13-0005	EA 2'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	588.85	60.30
	For Galvanized Steel Door, Add	93.65	
	For Type 304 Stainless Steel Door, Add	374.61	
	For Type 316 Stainless Steel Door, Add	608.74	
	For Embossed Panel Door, Add	112.38	
	For Baked Enamel Finish, Add	158.57	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-32.46	
	For >100, Deduct	-47.18	
	For Polystyrene Core, Add	46.83	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	117.07	
	For Continuously Welded And Filled Vertical Edge Seam, Add	58.53	
08 13 13 13-0006	EA 2'-8" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	595.84	60.30
	For Galvanized Steel Door, Add	95.05	
	For Type 304 Stainless Steel Door, Add	380.20	
	For Type 316 Stainless Steel Door, Add	617.83	
	For Embossed Panel Door, Add	114.06	
	For Baked Enamel Finish, Add	160.66	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-32.81	
	For >100, Deduct	-47.70	
	For Polystyrene Core, Add	47.53	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	118.81	
	For Continuously Welded And Filled Vertical Edge Seam, Add	59.41	
08 13 13 13-0007	EA 2'-10" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	601.27	61.61
	For Galvanized Steel Door, Add	95.61	
	For Type 304 Stainless Steel Door, Add	382.44	
	For Type 316 Stainless Steel Door, Add	621.47	
	For Embossed Panel Door, Add	114.73	
	For Baked Enamel Finish, Add	161.90	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-33.14	
	For >100, Deduct	-48.18	
	For Polystyrene Core, Add	47.81	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	119.51	
	For Continuously Welded And Filled Vertical Edge Seam, Add	59.76	
08 13 13 13-0008	EA 3' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	606.68	62.92
	For Galvanized Steel Door, Add	96.17	
	For Type 304 Stainless Steel Door, Add	384.67	
	For Type 316 Stainless Steel Door, Add	625.09	
	For Embossed Panel Door, Add	115.40	
	For Baked Enamel Finish, Add	163.13	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-33.48	
	For >100, Deduct	-48.65	
	For Polystyrene Core, Add	48.08	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	120.21	
	For Continuously Welded And Filled Vertical Edge Seam, Add	60.11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0009 EA 3'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	643.03	62.92
For Galvanized Steel Door, Add	103.44	
For Type 304 Stainless Steel Door, Add	413.75	
For Type 316 Stainless Steel Door, Add	672.35	
For Embossed Panel Door, Add	124.13	
For Baked Enamel Finish, Add	174.03	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-35.30	
For >100, Deduct	-51.37	
For Polystyrene Core, Add	51.72	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	129.30	
For Continuously Welded And Filled Vertical Edge Seam, Add	64.65	
08 13 13 13-0010 EA 3'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	662.24	65.54
For Galvanized Steel Door, Add	106.23	
For Type 304 Stainless Steel Door, Add	424.93	
For Type 316 Stainless Steel Door, Add	690.51	
For Embossed Panel Door, Add	127.48	
For Baked Enamel Finish, Add	179.01	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-36.39	
For >100, Deduct	-52.95	
For Polystyrene Core, Add	53.12	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	132.79	
For Continuously Welded And Filled Vertical Edge Seam, Add	66.40	
08 13 13 13-0011 EA 4' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	728.65	70.79
For Galvanized Steel Door, Add	117.42	
For Type 304 Stainless Steel Door, Add	469.66	
For Type 316 Stainless Steel Door, Add	763.20	
For Embossed Panel Door, Add	140.90	
For Baked Enamel Finish, Add	197.36	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-39.97	
For >100, Deduct	-58.19	
For Polystyrene Core, Add	58.71	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	146.77	
For Continuously Welded And Filled Vertical Edge Seam, Add	73.39	
<b>08 13 13 13-0012 7' High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0001)</b>		
08 13 13 13-0013 EA 2' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	586.26	57.67
For Galvanized Steel Door, Add	94.18	
For Type 304 Stainless Steel Door, Add	376.72	
For Type 316 Stainless Steel Door, Add	612.17	
For Embossed Panel Door, Add	113.02	
For Baked Enamel Finish, Add	158.57	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-32.20	
For >100, Deduct	-46.85	
For Polystyrene Core, Add	47.09	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	117.73	
For Continuously Welded And Filled Vertical Edge Seam, Add	58.86	
08 13 13 13-0014 EA 2'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	586.26	57.67
For Galvanized Steel Door, Add	94.18	
For Type 304 Stainless Steel Door, Add	376.72	
For Type 316 Stainless Steel Door, Add	612.17	
For Embossed Panel Door, Add	113.02	
For Baked Enamel Finish, Add	158.57	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-32.20	
For >100, Deduct	-46.85	
For Polystyrene Core, Add	47.09	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	117.73	
For Continuously Welded And Filled Vertical Edge Seam, Add	58.86	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0015	EA	2'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	601.12	60.30
			For Galvanized Steel Door, Add	96.11	
			For Type 304 Stainless Steel Door, Add	384.42	
			For Type 316 Stainless Steel Door, Add	624.69	
			For Embossed Panel Door, Add	115.33	
			For Baked Enamel Finish, Add	162.25	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-33.07	
			For >100, Deduct	-48.10	
			For Polystyrene Core, Add	48.05	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	120.13	
			For Continuously Welded And Filled Vertical Edge Seam, Add	60.07	
08 13 13	13-0016	EA	2'-8" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	608.29	60.30
			For Galvanized Steel Door, Add	97.54	
			For Type 304 Stainless Steel Door, Add	390.16	
			For Type 316 Stainless Steel Door, Add	634.01	
			For Embossed Panel Door, Add	117.05	
			For Baked Enamel Finish, Add	164.40	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-33.43	
			For >100, Deduct	-48.64	
			For Polystyrene Core, Add	48.77	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	121.93	
			For Continuously Welded And Filled Vertical Edge Seam, Add	60.96	
08 13 13	13-0017	EA	2'-10" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	613.79	61.61
			For Galvanized Steel Door, Add	98.11	
			For Type 304 Stainless Steel Door, Add	392.46	
			For Type 316 Stainless Steel Door, Add	637.74	
			For Embossed Panel Door, Add	117.74	
			For Baked Enamel Finish, Add	165.65	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-33.77	
			For >100, Deduct	-49.11	
			For Polystyrene Core, Add	49.06	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	122.64	
			For Continuously Welded And Filled Vertical Edge Seam, Add	61.32	
08 13 13	13-0018	EA	3' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	619.28	62.92
			For Galvanized Steel Door, Add	98.69	
			For Type 304 Stainless Steel Door, Add	394.75	
			For Type 316 Stainless Steel Door, Add	641.47	
			For Embossed Panel Door, Add	118.43	
			For Baked Enamel Finish, Add	166.91	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-34.11	
			For >100, Deduct	-49.59	
			For Polystyrene Core, Add	49.34	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	123.36	
			For Continuously Welded And Filled Vertical Edge Seam, Add	61.68	
08 13 13	13-0019	EA	3'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	656.58	62.92
			For Galvanized Steel Door, Add	106.15	
			For Type 304 Stainless Steel Door, Add	424.59	
			For Type 316 Stainless Steel Door, Add	689.96	
			For Embossed Panel Door, Add	127.38	
			For Baked Enamel Finish, Add	178.10	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-35.98	
			For >100, Deduct	-52.39	
			For Polystyrene Core, Add	53.07	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	132.69	
			For Continuously Welded And Filled Vertical Edge Seam, Add	66.34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0020 EA 3'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	676.16	65.54
For Galvanized Steel Door, Add	109.02	
For Type 304 Stainless Steel Door, Add	436.06	
For Type 316 Stainless Steel Door, Add	708.60	
For Embossed Panel Door, Add	130.82	
For Baked Enamel Finish, Add	183.19	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-37.09	
For >100, Deduct	-53.99	
For Polystyrene Core, Add	54.51	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	136.27	
For Continuously Welded And Filled Vertical Edge Seam, Add	68.14	
08 13 13 13-0021 EA 4' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	744.03	70.79
For Galvanized Steel Door, Add	120.49	
For Type 304 Stainless Steel Door, Add	481.97	
For Type 316 Stainless Steel Door, Add	783.20	
For Embossed Panel Door, Add	144.59	
For Baked Enamel Finish, Add	201.97	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-40.74	
For >100, Deduct	-59.34	
For Polystyrene Core, Add	60.25	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	150.62	
For Continuously Welded And Filled Vertical Edge Seam, Add	75.31	
<b>08 13 13 13-0022 7'-2" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0001)</b>		
08 13 13 13-0023 EA 2' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	597.94	57.67
For Galvanized Steel Door, Add	96.52	
For Type 304 Stainless Steel Door, Add	386.06	
For Type 316 Stainless Steel Door, Add	627.35	
For Embossed Panel Door, Add	115.82	
For Baked Enamel Finish, Add	162.08	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-32.78	
For >100, Deduct	-47.73	
For Polystyrene Core, Add	48.26	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	120.65	
For Continuously Welded And Filled Vertical Edge Seam, Add	60.32	
08 13 13 13-0024 EA 2'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	597.94	57.67
For Galvanized Steel Door, Add	96.52	
For Type 304 Stainless Steel Door, Add	386.06	
For Type 316 Stainless Steel Door, Add	627.35	
For Embossed Panel Door, Add	115.82	
For Baked Enamel Finish, Add	162.08	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-32.78	
For >100, Deduct	-47.73	
For Polystyrene Core, Add	48.26	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	120.65	
For Continuously Welded And Filled Vertical Edge Seam, Add	60.32	
08 13 13 13-0025 EA 2'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	613.04	60.30
For Galvanized Steel Door, Add	98.49	
For Type 304 Stainless Steel Door, Add	393.96	
For Type 316 Stainless Steel Door, Add	640.19	
For Embossed Panel Door, Add	118.19	
For Baked Enamel Finish, Add	165.82	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-33.67	
For >100, Deduct	-48.99	
For Polystyrene Core, Add	49.25	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	123.11	
For Continuously Welded And Filled Vertical Edge Seam, Add	61.56	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0026	EA 2'-8" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	620.39	60.30
	For Galvanized Steel Door, Add	99.96	
	For Type 304 Stainless Steel Door, Add	399.84	
	For Type 316 Stainless Steel Door, Add	649.74	
	For Embossed Panel Door, Add	119.95	
	For Baked Enamel Finish, Add	168.03	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-34.03	
	For >100, Deduct	-49.54	
	For Polystyrene Core, Add	49.98	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	124.95	
	For Continuously Welded And Filled Vertical Edge Seam, Add	62.48	
08 13 13 13-0027	EA 2'-10" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	625.95	61.61
	For Galvanized Steel Door, Add	100.55	
	For Type 304 Stainless Steel Door, Add	402.18	
	For Type 316 Stainless Steel Door, Add	653.55	
	For Embossed Panel Door, Add	120.66	
	For Baked Enamel Finish, Add	169.30	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-34.38	
	For >100, Deduct	-50.03	
	For Polystyrene Core, Add	50.27	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	125.68	
	For Continuously Welded And Filled Vertical Edge Seam, Add	62.84	
08 13 13 13-0028	EA 3' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	631.52	62.92
	For Galvanized Steel Door, Add	101.14	
	For Type 304 Stainless Steel Door, Add	404.54	
	For Type 316 Stainless Steel Door, Add	657.38	
	For Embossed Panel Door, Add	121.36	
	For Baked Enamel Finish, Add	170.58	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-34.72	
	For >100, Deduct	-50.51	
	For Polystyrene Core, Add	50.57	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	126.42	
	For Continuously Welded And Filled Vertical Edge Seam, Add	63.21	
08 13 13 13-0029	EA 3'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	669.74	62.92
	For Galvanized Steel Door, Add	108.78	
	For Type 304 Stainless Steel Door, Add	435.12	
	For Type 316 Stainless Steel Door, Add	707.07	
	For Embossed Panel Door, Add	130.54	
	For Baked Enamel Finish, Add	182.05	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-36.63	
	For >100, Deduct	-53.38	
	For Polystyrene Core, Add	54.39	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	135.98	
	For Continuously Welded And Filled Vertical Edge Seam, Add	67.99	
08 13 13 13-0030	EA 3'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	689.68	65.54
	For Galvanized Steel Door, Add	111.72	
	For Type 304 Stainless Steel Door, Add	446.88	
	For Type 316 Stainless Steel Door, Add	726.18	
	For Embossed Panel Door, Add	134.06	
	For Baked Enamel Finish, Add	187.24	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-37.76	
	For >100, Deduct	-55.00	
	For Polystyrene Core, Add	55.86	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	139.65	
	For Continuously Welded And Filled Vertical Edge Seam, Add	69.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0031	EA 4' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door <i>For Galvanized Steel Door, Add</i> <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel Door, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minute Fire Rated Door, Add</i> <i>For 45 Minute Fire Rated Door, Add</i> <i>For 60 Minute Fire Rated Door, Add</i> <i>For 90 Minute Fire Rated Door, Add</i> <i>For 3 Hour Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Polystyrene Core, Add</i> <i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	758.97 123.48 493.92 802.62 148.18 206.46 27.63 41.40 55.27 93.38 131.50 -41.49 -60.46 61.74 154.35 77.18	70.79
08 13 13 13-0032	18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13)</small>		
08 13 13 13-0033	6'-8" High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0032)</small>		
08 13 13 13-0034	EA 2' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door <i>For Galvanized Steel Door, Add</i> <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel Door, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minute Fire Rated Door, Add</i> <i>For 45 Minute Fire Rated Door, Add</i> <i>For 60 Minute Fire Rated Door, Add</i> <i>For 90 Minute Fire Rated Door, Add</i> <i>For 3 Hour Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 2" Thick Door, Add</i> <i>For Polystyrene Core, Add</i> <i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Continuously Welded And Filled Vertical Edge Seam, Add</i> <i>For Steel Stiffened, Add</i>	611.36 99.20 396.80 644.80 119.04 166.10 27.63 41.40 55.27 93.38 131.50 -33.45 -48.74 38.84 49.60 124.00 62.00 124.00	57.67
08 13 13 13-0035	EA 2'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door <i>For Galvanized Steel Door, Add</i> <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel Door, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minute Fire Rated Door, Add</i> <i>For 45 Minute Fire Rated Door, Add</i> <i>For 60 Minute Fire Rated Door, Add</i> <i>For 90 Minute Fire Rated Door, Add</i> <i>For 3 Hour Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 2" Thick Door, Add</i> <i>For Polystyrene Core, Add</i> <i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Continuously Welded And Filled Vertical Edge Seam, Add</i> <i>For Steel Stiffened, Add</i>	611.36 99.20 396.80 644.80 119.04 166.10 27.63 41.40 55.27 93.38 131.50 -33.45 -48.74 38.84 49.60 124.00 62.00 124.00	57.67
08 13 13 13-0036	EA 2'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door <i>For Galvanized Steel Door, Add</i> <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel Door, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minute Fire Rated Door, Add</i> <i>For 45 Minute Fire Rated Door, Add</i> <i>For 60 Minute Fire Rated Door, Add</i> <i>For 90 Minute Fire Rated Door, Add</i> <i>For 3 Hour Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 2" Thick Door, Add</i> <i>For Polystyrene Core, Add</i> <i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Continuously Welded And Filled Vertical Edge Seam, Add</i> <i>For Steel Stiffened, Add</i>	626.74 101.23 404.92 658.00 121.48 169.93 27.63 41.40 55.27 93.38 131.50 -34.35 -50.02 39.71 50.62 126.54 63.27 126.54	60.30

## 08 Openings

## 08 10 Doors and Frames

## 08 13 Metal Doors

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0037	EA 2'-8" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	634.29	60.30
	For Galvanized Steel Door, Add	102.74	
	For Type 304 Stainless Steel Door, Add	410.96	
	For Type 316 Stainless Steel Door, Add	667.81	
	For Embossed Panel Door, Add	123.29	
	For Baked Enamel Finish, Add	172.20	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-34.73	
	For >100, Deduct	-50.59	
	For 2" Thick Door, Add	40.26	
	For Polystyrene Core, Add	51.37	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	128.43	
	For Continuously Welded And Filled Vertical Edge Seam, Add	64.21	
	For Steel Stiffened, Add	128.43	
08 13 13 13-0038	EA 2'-10" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	639.93	61.61
	For Galvanized Steel Door, Add	103.34	
	For Type 304 Stainless Steel Door, Add	413.37	
	For Type 316 Stainless Steel Door, Add	671.72	
	For Embossed Panel Door, Add	124.01	
	For Baked Enamel Finish, Add	173.50	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-35.08	
	For >100, Deduct	-51.08	
	For 2" Thick Door, Add	40.54	
	For Polystyrene Core, Add	51.67	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	129.18	
	For Continuously Welded And Filled Vertical Edge Seam, Add	64.59	
	For Steel Stiffened, Add	129.18	
08 13 13 13-0039	EA 3' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	645.58	62.92
	For Galvanized Steel Door, Add	103.95	
	For Type 304 Stainless Steel Door, Add	415.79	
	For Type 316 Stainless Steel Door, Add	675.66	
	For Embossed Panel Door, Add	124.74	
	For Baked Enamel Finish, Add	174.80	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-35.43	
	For >100, Deduct	-51.56	
	For 2" Thick Door, Add	40.83	
	For Polystyrene Core, Add	51.97	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	129.94	
	For Continuously Welded And Filled Vertical Edge Seam, Add	64.97	
	For Steel Stiffened, Add	129.94	
08 13 13 13-0040	EA 3'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	684.87	62.92
	For Galvanized Steel Door, Add	111.81	
	For Type 304 Stainless Steel Door, Add	447.22	
	For Type 316 Stainless Steel Door, Add	726.74	
	For Embossed Panel Door, Add	134.17	
	For Baked Enamel Finish, Add	186.59	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-37.39	
	For >100, Deduct	-54.51	
	For 2" Thick Door, Add	43.68	
	For Polystyrene Core, Add	55.90	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	139.76	
	For Continuously Welded And Filled Vertical Edge Seam, Add	69.88	
	For Steel Stiffened, Add	139.76	
08 13 13 13-0041	EA 3'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	705.22	65.54
	For Galvanized Steel Door, Add	114.83	
	For Type 304 Stainless Steel Door, Add	459.31	
	For Type 316 Stainless Steel Door, Add	746.38	
	For Embossed Panel Door, Add	137.79	
	For Baked Enamel Finish, Add	191.90	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-38.54	
	For >100, Deduct	-56.17	
	For 2" Thick Door, Add	44.90	
	For Polystyrene Core, Add	57.41	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	143.54	
	For Continuously Welded And Filled Vertical Edge Seam, Add	71.77	
	For Steel Stiffened, Add	143.54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0042 EA 4' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	776.14	70.79
For Galvanized Steel Door, Add	126.91	
For Type 304 Stainless Steel Door, Add	507.66	
For Type 316 Stainless Steel Door, Add	824.94	
For Embossed Panel Door, Add	152.30	
For Baked Enamel Finish, Add	211.61	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-42.35	
For >100, Deduct	-61.75	
For 2" Thick Door, Add	49.55	
For Polystyrene Core, Add	63.46	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	158.64	
For Continuously Welded And Filled Vertical Edge Seam, Add	79.32	
For Steel Stiffened, Add	158.64	
<b>08 13 13 13-0043 7' High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors</b>		
(08 13 13 13-0032)		
08 13 13 13-0044 EA 2' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	623.13	57.67
For Galvanized Steel Door, Add	101.55	
For Type 304 Stainless Steel Door, Add	406.22	
For Type 316 Stainless Steel Door, Add	660.10	
For Embossed Panel Door, Add	121.86	
For Baked Enamel Finish, Add	169.64	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-34.04	
For >100, Deduct	-49.62	
For 2" Thick Door, Add	39.70	
For Polystyrene Core, Add	50.78	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	126.94	
For Continuously Welded And Filled Vertical Edge Seam, Add	63.47	
For Steel Stiffened, Add	126.94	
08 13 13 13-0045 EA 2'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	623.13	57.67
For Galvanized Steel Door, Add	101.55	
For Type 304 Stainless Steel Door, Add	406.22	
For Type 316 Stainless Steel Door, Add	660.10	
For Embossed Panel Door, Add	121.86	
For Baked Enamel Finish, Add	169.64	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-34.04	
For >100, Deduct	-49.62	
For 2" Thick Door, Add	39.70	
For Polystyrene Core, Add	50.78	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	126.94	
For Continuously Welded And Filled Vertical Edge Seam, Add	63.47	
For Steel Stiffened, Add	126.94	
08 13 13 13-0046 EA 2'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	638.75	60.30
For Galvanized Steel Door, Add	103.63	
For Type 304 Stainless Steel Door, Add	414.53	
For Type 316 Stainless Steel Door, Add	673.61	
For Embossed Panel Door, Add	124.36	
For Baked Enamel Finish, Add	173.54	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-34.95	
For >100, Deduct	-50.92	
For 2" Thick Door, Add	40.58	
For Polystyrene Core, Add	51.82	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	129.54	
For Continuously Welded And Filled Vertical Edge Seam, Add	64.77	
For Steel Stiffened, Add	129.54	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0047	EA	2'-8" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	646.48	60.30
			<i>For Galvanized Steel Door, Add</i>	105.18	
			<i>For Type 304 Stainless Steel Door, Add</i>	420.71	
			<i>For Type 316 Stainless Steel Door, Add</i>	683.66	
			<i>For Embossed Panel Door, Add</i>	126.21	
			<i>For Baked Enamel Finish, Add</i>	175.86	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-35.34	
			<i>For &gt;100, Deduct</i>	-51.50	
			<i>For 2" Thick Door, Add</i>	41.14	
			<i>For Polystyrene Core, Add</i>	52.59	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	131.47	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	65.74	
			<i>For Steel Stiffened, Add</i>	131.47	
08 13 13	13-0048	EA	2'-10" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	652.20	61.61
			<i>For Galvanized Steel Door, Add</i>	105.80	
			<i>For Type 304 Stainless Steel Door, Add</i>	423.18	
			<i>For Type 316 Stainless Steel Door, Add</i>	687.67	
			<i>For Embossed Panel Door, Add</i>	126.96	
			<i>For Baked Enamel Finish, Add</i>	177.18	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-35.69	
			<i>For &gt;100, Deduct</i>	-52.00	
			<i>For 2" Thick Door, Add</i>	41.43	
			<i>For Polystyrene Core, Add</i>	52.90	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	132.25	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	66.12	
			<i>For Steel Stiffened, Add</i>	132.25	
08 13 13	13-0049	EA	3' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	657.92	62.92
			<i>For Galvanized Steel Door, Add</i>	106.42	
			<i>For Type 304 Stainless Steel Door, Add</i>	425.66	
			<i>For Type 316 Stainless Steel Door, Add</i>	691.70	
			<i>For Embossed Panel Door, Add</i>	127.70	
			<i>For Baked Enamel Finish, Add</i>	178.50	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-36.04	
			<i>For &gt;100, Deduct</i>	-52.49	
			<i>For 2" Thick Door, Add</i>	41.72	
			<i>For Polystyrene Core, Add</i>	53.21	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	133.02	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	66.51	
			<i>For Steel Stiffened, Add</i>	133.02	
08 13 13	13-0050	EA	3'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	698.13	62.92
			<i>For Galvanized Steel Door, Add</i>	114.46	
			<i>For Type 304 Stainless Steel Door, Add</i>	457.83	
			<i>For Type 316 Stainless Steel Door, Add</i>	743.98	
			<i>For Embossed Panel Door, Add</i>	137.35	
			<i>For Baked Enamel Finish, Add</i>	190.56	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-38.05	
			<i>For &gt;100, Deduct</i>	-55.51	
			<i>For 2" Thick Door, Add</i>	44.64	
			<i>For Polystyrene Core, Add</i>	57.23	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	143.07	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	71.54	
			<i>For Steel Stiffened, Add</i>	143.07	
08 13 13	13-0051	EA	3'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	718.84	65.54
			<i>For Galvanized Steel Door, Add</i>	117.55	
			<i>For Type 304 Stainless Steel Door, Add</i>	470.21	
			<i>For Type 316 Stainless Steel Door, Add</i>	764.09	
			<i>For Embossed Panel Door, Add</i>	141.06	
			<i>For Baked Enamel Finish, Add</i>	195.99	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-39.22	
			<i>For &gt;100, Deduct</i>	-57.19	
			<i>For 2" Thick Door, Add</i>	45.89	
			<i>For Polystyrene Core, Add</i>	58.78	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	146.94	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	73.47	
			<i>For Steel Stiffened, Add</i>	146.94	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0052 EA 4' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	791.20	70.79
For Galvanized Steel Door, Add	129.93	
For Type 304 Stainless Steel Door, Add	519.70	
For Type 316 Stainless Steel Door, Add	844.52	
For Embossed Panel Door, Add	155.91	
For Baked Enamel Finish, Add	216.12	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-43.10	
For >100, Deduct	-62.88	
For 2" Thick Door, Add	50.64	
For Polystyrene Core, Add	64.96	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	162.41	
For Continuously Welded And Filled Vertical Edge Seam, Add	81.20	
For Steel Stiffened, Add	162.41	
<b>08 13 13 13-0053 7'-2" High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors</b> <small>(08 13 13 13-0032)</small>		
08 13 13 13-0054 EA 2' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	634.91	57.67
For Galvanized Steel Door, Add	103.91	
For Type 304 Stainless Steel Door, Add	415.64	
For Type 316 Stainless Steel Door, Add	675.42	
For Embossed Panel Door, Add	124.69	
For Baked Enamel Finish, Add	173.17	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-34.63	
For >100, Deduct	-50.50	
For 2" Thick Door, Add	40.55	
For Polystyrene Core, Add	51.96	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	129.89	
For Continuously Welded And Filled Vertical Edge Seam, Add	64.94	
For Steel Stiffened, Add	129.89	
08 13 13 13-0055 EA 2'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	634.91	57.67
For Galvanized Steel Door, Add	103.91	
For Type 304 Stainless Steel Door, Add	415.64	
For Type 316 Stainless Steel Door, Add	675.42	
For Embossed Panel Door, Add	124.69	
For Baked Enamel Finish, Add	173.17	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-34.63	
For >100, Deduct	-50.50	
For 2" Thick Door, Add	40.55	
For Polystyrene Core, Add	51.96	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	129.89	
For Continuously Welded And Filled Vertical Edge Seam, Add	64.94	
For Steel Stiffened, Add	129.89	
08 13 13 13-0056 EA 2'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	650.76	60.30
For Galvanized Steel Door, Add	106.03	
For Type 304 Stainless Steel Door, Add	424.14	
For Type 316 Stainless Steel Door, Add	689.22	
For Embossed Panel Door, Add	127.24	
For Baked Enamel Finish, Add	177.14	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-35.55	
For >100, Deduct	-51.82	
For 2" Thick Door, Add	41.45	
For Polystyrene Core, Add	53.02	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	132.54	
For Continuously Welded And Filled Vertical Edge Seam, Add	66.27	
For Steel Stiffened, Add	132.54	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0057	EA	2'-8" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	658.67	60.30
			For Galvanized Steel Door, Add	107.62	
			For Type 304 Stainless Steel Door, Add	430.46	
			For Type 316 Stainless Steel Door, Add	699.50	
			For Embossed Panel Door, Add	129.14	
			For Baked Enamel Finish, Add	179.51	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-35.95	
			For >100, Deduct	-52.42	
			For 2" Thick Door, Add	42.03	
			For Polystyrene Core, Add	53.81	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	134.52	
			For Continuously Welded And Filled Vertical Edge Seam, Add	67.26	
			For Steel Stiffened, Add	134.52	
08 13 13	13-0058	EA	3' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	670.25	62.92
			For Galvanized Steel Door, Add	108.88	
			For Type 304 Stainless Steel Door, Add	435.53	
			For Type 316 Stainless Steel Door, Add	707.73	
			For Embossed Panel Door, Add	130.66	
			For Baked Enamel Finish, Add	182.20	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-36.66	
			For >100, Deduct	-53.41	
			For 2" Thick Door, Add	42.62	
			For Polystyrene Core, Add	54.44	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	136.10	
			For Continuously Welded And Filled Vertical Edge Seam, Add	68.05	
			For Steel Stiffened, Add	136.10	
08 13 13	13-0059	EA	3'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	711.40	62.92
			For Galvanized Steel Door, Add	117.11	
			For Type 304 Stainless Steel Door, Add	468.45	
			For Type 316 Stainless Steel Door, Add	761.23	
			For Embossed Panel Door, Add	140.53	
			For Baked Enamel Finish, Add	194.54	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-38.72	
			For >100, Deduct	-56.50	
			For 2" Thick Door, Add	45.60	
			For Polystyrene Core, Add	58.56	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	146.39	
			For Continuously Welded And Filled Vertical Edge Seam, Add	73.20	
			For Steel Stiffened, Add	146.39	
08 13 13	13-0060	EA	3'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	732.47	65.54
			For Galvanized Steel Door, Add	120.28	
			For Type 304 Stainless Steel Door, Add	481.11	
			For Type 316 Stainless Steel Door, Add	781.81	
			For Embossed Panel Door, Add	144.33	
			For Baked Enamel Finish, Add	200.08	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-39.90	
			For >100, Deduct	-58.21	
			For 2" Thick Door, Add	46.88	
			For Polystyrene Core, Add	60.14	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	150.35	
			For Continuously Welded And Filled Vertical Edge Seam, Add	75.17	
			For Steel Stiffened, Add	150.35	
08 13 13	13-0061	EA	4' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	806.26	70.79
			For Galvanized Steel Door, Add	132.94	
			For Type 304 Stainless Steel Door, Add	531.75	
			For Type 316 Stainless Steel Door, Add	864.10	
			For Embossed Panel Door, Add	159.53	
			For Baked Enamel Finish, Add	220.64	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-43.85	
			For >100, Deduct	-64.01	
			For 2" Thick Door, Add	51.73	
			For Polystyrene Core, Add	66.47	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	166.17	
			For Continuously Welded And Filled Vertical Edge Seam, Add	83.09	
			For Steel Stiffened, Add	166.17	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0062 8' High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0032)

08 13 13 13-0063	EA 2' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	732.00	57.67
	For Up To 1' Extra Height, Add	170.62	
	For 1' To 1'-6" Extra Height, Add	325.52	
	For Galvanized Steel Door, Add	123.33	
	For Type 304 Stainless Steel Door, Add	493.31	
	For Type 316 Stainless Steel Door, Add	801.63	
	For Embossed Panel Door, Add	147.99	
	For Baked Enamel Finish, Add	202.30	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-39.48	
	For >100, Deduct	-57.78	
	For 2" Thick Door, Add	47.59	
	For Polystyrene Core, Add	61.66	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	154.16	
	For Continuously Welded And Filled Vertical Edge Seam, Add	77.08	
	For Steel Stiffened, Add	154.16	
08 13 13 13-0064	EA 2'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	732.00	57.67
	For Up To 1' Extra Height, Add	170.62	
	For 1' To 1'-6" Extra Height, Add	325.52	
	For Galvanized Steel Door, Add	123.33	
	For Type 304 Stainless Steel Door, Add	493.31	
	For Type 316 Stainless Steel Door, Add	801.63	
	For Embossed Panel Door, Add	147.99	
	For Baked Enamel Finish, Add	202.30	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-39.48	
	For >100, Deduct	-57.78	
	For 2" Thick Door, Add	47.59	
	For Polystyrene Core, Add	61.66	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	154.16	
	For Continuously Welded And Filled Vertical Edge Seam, Add	77.08	
	For Steel Stiffened, Add	154.16	
08 13 13 13-0065	EA 2'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	749.85	60.30
	For Up To 1' Extra Height, Add	174.12	
	For 1' To 1'-6" Extra Height, Add	332.19	
	For Galvanized Steel Door, Add	125.85	
	For Type 304 Stainless Steel Door, Add	503.41	
	For Type 316 Stainless Steel Door, Add	818.04	
	For Embossed Panel Door, Add	151.02	
	For Baked Enamel Finish, Add	206.87	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-40.51	
	For >100, Deduct	-59.25	
	For 2" Thick Door, Add	48.64	
	For Polystyrene Core, Add	62.93	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	157.32	
	For Continuously Welded And Filled Vertical Edge Seam, Add	78.66	
	For Steel Stiffened, Add	157.32	
08 13 13 13-0066	EA 2'-8" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	759.24	60.30
	For Up To 1' Extra Height, Add	176.71	
	For 1' To 1'-6" Extra Height, Add	337.14	
	For Galvanized Steel Door, Add	127.73	
	For Type 304 Stainless Steel Door, Add	510.92	
	For Type 316 Stainless Steel Door, Add	830.25	
	For Embossed Panel Door, Add	153.28	
	For Baked Enamel Finish, Add	209.68	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-40.98	
	For >100, Deduct	-59.96	
	For 2" Thick Door, Add	49.32	
	For Polystyrene Core, Add	63.87	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	159.66	
	For Continuously Welded And Filled Vertical Edge Seam, Add	79.83	
	For Steel Stiffened, Add	159.66	

## 08 Openings

## 08 10 Doors and Frames

## 08 13 Metal Doors

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0067	EA 2'-10" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	765.62	61.61
	For Up To 1' Extra Height, Add	177.75	
	For 1' To 1'-6" Extra Height, Add	339.12	
	For Galvanized Steel Door, Add	128.48	
	For Type 304 Stainless Steel Door, Add	513.92	
	For Type 316 Stainless Steel Door, Add	835.12	
	For Embossed Panel Door, Add	154.18	
	For Baked Enamel Finish, Add	211.20	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-41.36	
	For >100, Deduct	-60.50	
	For 2" Thick Door, Add	49.65	
	For Polystyrene Core, Add	64.24	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	160.60	
	For Continuously Welded And Filled Vertical Edge Seam, Add	80.30	
	For Steel Stiffened, Add	160.60	
08 13 13 13-0068	EA 3' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	772.00	62.92
	For Up To 1' Extra Height, Add	178.79	
	For 1' To 1'-6" Extra Height, Add	341.11	
	For Galvanized Steel Door, Add	129.23	
	For Type 304 Stainless Steel Door, Add	516.93	
	For Type 316 Stainless Steel Door, Add	840.01	
	For Embossed Panel Door, Add	155.08	
	For Baked Enamel Finish, Add	212.72	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-41.75	
	For >100, Deduct	-61.05	
	For 2" Thick Door, Add	49.99	
	For Polystyrene Core, Add	64.62	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	161.54	
	For Continuously Welded And Filled Vertical Edge Seam, Add	80.77	
	For Steel Stiffened, Add	161.54	
08 13 13 13-0069	EA 3'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	820.84	62.92
	For Up To 1' Extra Height, Add	192.31	
	For 1' To 1'-6" Extra Height, Add	366.89	
	For Galvanized Steel Door, Add	139.00	
	For Type 304 Stainless Steel Door, Add	556.00	
	For Type 316 Stainless Steel Door, Add	903.50	
	For Embossed Panel Door, Add	166.80	
	For Baked Enamel Finish, Add	227.38	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-44.19	
	For >100, Deduct	-64.71	
	For 2" Thick Door, Add	53.53	
	For Polystyrene Core, Add	69.50	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	173.75	
	For Continuously Welded And Filled Vertical Edge Seam, Add	86.88	
	For Steel Stiffened, Add	173.75	
08 13 13 13-0070	EA 3'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	844.86	65.54
	For Up To 1' Extra Height, Add	197.50	
	For 1' To 1'-6" Extra Height, Add	376.80	
	For Galvanized Steel Door, Add	142.76	
	For Type 304 Stainless Steel Door, Add	571.02	
	For Type 316 Stainless Steel Door, Add	927.91	
	For Embossed Panel Door, Add	171.31	
	For Baked Enamel Finish, Add	233.80	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-45.52	
	For >100, Deduct	-66.64	
	For 2" Thick Door, Add	55.03	
	For Polystyrene Core, Add	71.38	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	178.45	
	For Continuously Welded And Filled Vertical Edge Seam, Add	89.22	
	For Steel Stiffened, Add	178.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0071 EA 4' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	930.49	70.79
For Up To 1' Extra Height, Add	218.29	
For 1' To 1'-6" Extra Height, Add	416.47	
For Galvanized Steel Door, Add	157.78	
For Type 304 Stainless Steel Door, Add	631.14	
For Type 316 Stainless Steel Door, Add	1,025.60	
For Embossed Panel Door, Add	189.34	
For Baked Enamel Finish, Add	257.91	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-50.06	
For >100, Deduct	-73.33	
For 2" Thick Door, Add	60.74	
For Polystyrene Core, Add	78.89	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	197.23	
For Continuously Welded And Filled Vertical Edge Seam, Add	98.62	
For Steel Stiffened, Add	197.23	
08 13 13 13-0072 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13)</small>		
08 13 13 13-0073 6'-8" High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0072)</small>		
08 13 13 13-0074 EA 2' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	802.32	57.67
For 14 Gauge, Level 4 Maximum Duty, Add	274.78	
For Galvanized Steel Door, Add	137.39	
For Type 304 Stainless Steel Door, Add	549.57	
For Type 316 Stainless Steel Door, Add	893.05	
For Embossed Panel Door, Add	164.87	
For Baked Enamel Finish, Add	223.39	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-43.00	
For >100, Deduct	-63.06	
For 2" Thick Door, Add	52.69	
For Polystyrene Core, Add	68.70	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	171.74	
For Continuously Welded And Filled Vertical Edge Seam, Add	85.87	
For Steel Stiffened, Add	171.74	
08 13 13 13-0075 EA 2'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	802.32	57.67
For 14 Gauge, Level 4 Maximum Duty, Add	274.78	
For Galvanized Steel Door, Add	137.39	
For Type 304 Stainless Steel Door, Add	549.57	
For Type 316 Stainless Steel Door, Add	893.05	
For Embossed Panel Door, Add	164.87	
For Baked Enamel Finish, Add	223.39	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-43.00	
For >100, Deduct	-63.06	
For 2" Thick Door, Add	52.69	
For Polystyrene Core, Add	68.70	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	171.74	
For Continuously Welded And Filled Vertical Edge Seam, Add	85.87	
For Steel Stiffened, Add	171.74	
08 13 13 13-0076 EA 2'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	821.60	60.30
For 14 Gauge, Level 4 Maximum Duty, Add	280.40	
For Galvanized Steel Door, Add	140.20	
For Type 304 Stainless Steel Door, Add	560.81	
For Type 316 Stainless Steel Door, Add	911.31	
For Embossed Panel Door, Add	168.24	
For Baked Enamel Finish, Add	228.39	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-44.09	
For >100, Deduct	-64.63	
For 2" Thick Door, Add	53.84	
For Polystyrene Core, Add	70.10	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	175.25	
For Continuously Welded And Filled Vertical Edge Seam, Add	87.63	
For Steel Stiffened, Add	175.25	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0077	EA	2'-8" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	832.06	60.30
			For 14 Gauge, Level 4 Maximum Duty, Add	284.59	
			For Galvanized Steel Door, Add	142.29	
			For Type 304 Stainless Steel Door, Add	569.18	
			For Type 316 Stainless Steel Door, Add	924.91	
			For Embossed Panel Door, Add	170.75	
			For Baked Enamel Finish, Add	231.53	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-44.62	
			For >100, Deduct	-65.42	
			For 2" Thick Door, Add	54.60	
			For Polystyrene Core, Add	71.15	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	177.87	
			For Continuously Welded And Filled Vertical Edge Seam, Add	88.93	
			For Steel Stiffened, Add	177.87	
08 13 13	13-0078	EA	2'-10" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	838.89	61.61
			For 14 Gauge, Level 4 Maximum Duty, Add	286.27	
			For Galvanized Steel Door, Add	143.13	
			For Type 304 Stainless Steel Door, Add	572.54	
			For Type 316 Stainless Steel Door, Add	930.37	
			For Embossed Panel Door, Add	171.76	
			For Baked Enamel Finish, Add	233.18	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-45.03	
			For >100, Deduct	-66.00	
			For 2" Thick Door, Add	54.97	
			For Polystyrene Core, Add	71.57	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	178.92	
			For Continuously Welded And Filled Vertical Edge Seam, Add	89.46	
			For Steel Stiffened, Add	178.92	
08 13 13	13-0079	EA	3' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	845.69	62.92
			For 14 Gauge, Level 4 Maximum Duty, Add	287.94	
			For Galvanized Steel Door, Add	143.97	
			For Type 304 Stainless Steel Door, Add	575.88	
			For Type 316 Stainless Steel Door, Add	935.81	
			For Embossed Panel Door, Add	172.76	
			For Baked Enamel Finish, Add	234.83	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-45.43	
			For >100, Deduct	-66.57	
			For 2" Thick Door, Add	55.34	
			For Polystyrene Core, Add	71.99	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	179.96	
			For Continuously Welded And Filled Vertical Edge Seam, Add	89.98	
			For Steel Stiffened, Add	179.96	
08 13 13	13-0080	EA	3'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	900.09	62.92
			For 14 Gauge, Level 4 Maximum Duty, Add	309.70	
			For Galvanized Steel Door, Add	154.85	
			For Type 304 Stainless Steel Door, Add	619.40	
			For Type 316 Stainless Steel Door, Add	1,006.53	
			For Embossed Panel Door, Add	185.82	
			For Baked Enamel Finish, Add	251.15	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-48.15	
			For >100, Deduct	-70.65	
			For 2" Thick Door, Add	59.28	
			For Polystyrene Core, Add	77.43	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	193.56	
			For Continuously Welded And Filled Vertical Edge Seam, Add	96.78	
			For Steel Stiffened, Add	193.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0081	EA	3'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....		926.26	65.54
		For 14 Gauge, Level 4 Maximum Duty, Add		318.07	
		For Galvanized Steel Door, Add		159.04	
		For Type 304 Stainless Steel Door, Add		636.14	
		For Type 316 Stainless Steel Door, Add		1,033.73	
		For Embossed Panel Door, Add		190.84	
		For Baked Enamel Finish, Add		258.22	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-49.59	
		For >100, Deduct		-72.75	
		For 2" Thick Door, Add		60.93	
		For Polystyrene Core, Add		79.52	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		198.80	
		For Continuously Welded And Filled Vertical Edge Seam, Add		99.40	
		For Steel Stiffened, Add		198.80	
08 13 13 13-0082	EA	4' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....		1,020.45	70.79
		For 14 Gauge, Level 4 Maximum Duty, Add		351.55	
		For Galvanized Steel Door, Add		175.78	
		For Type 304 Stainless Steel Door, Add		703.10	
		For Type 316 Stainless Steel Door, Add		1,142.54	
		For Embossed Panel Door, Add		210.93	
		For Baked Enamel Finish, Add		284.90	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-54.56	
		For >100, Deduct		-80.07	
		For 2" Thick Door, Add		67.26	
		For Polystyrene Core, Add		87.89	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		219.72	
		For Continuously Welded And Filled Vertical Edge Seam, Add		109.86	
		For Steel Stiffened, Add		219.72	

**08 13 13 13-0083 7' High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors** (08 13 13 13-0072)

08 13 13 13-0084	EA	2' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....		818.63	57.67
		For 14 Gauge, Level 4 Maximum Duty, Add		281.31	
		For Galvanized Steel Door, Add		140.65	
		For Type 304 Stainless Steel Door, Add		562.62	
		For Type 316 Stainless Steel Door, Add		914.25	
		For Embossed Panel Door, Add		168.78	
		For Baked Enamel Finish, Add		228.29	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-43.82	
		For >100, Deduct		-64.28	
		For 2" Thick Door, Add		53.87	
		For Polystyrene Core, Add		70.33	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		175.82	
		For Continuously Welded And Filled Vertical Edge Seam, Add		87.91	
		For Steel Stiffened, Add		175.82	
08 13 13 13-0085	EA	2'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....		818.63	57.67
		For 14 Gauge, Level 4 Maximum Duty, Add		281.31	
		For Galvanized Steel Door, Add		140.65	
		For Type 304 Stainless Steel Door, Add		562.62	
		For Type 316 Stainless Steel Door, Add		914.25	
		For Embossed Panel Door, Add		168.78	
		For Baked Enamel Finish, Add		228.29	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-43.82	
		For >100, Deduct		-64.28	
		For 2" Thick Door, Add		53.87	
		For Polystyrene Core, Add		70.33	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		175.82	
		For Continuously Welded And Filled Vertical Edge Seam, Add		87.91	
		For Steel Stiffened, Add		175.82	

## 08 Openings

## 08 10 Doors and Frames

## 08 13 Metal Doors

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0086	EA	2'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	838.24	60.30
			For 14 Gauge, Level 4 Maximum Duty, Add	287.06	
			For Galvanized Steel Door, Add	143.53	
			For Type 304 Stainless Steel Door, Add	574.12	
			For Type 316 Stainless Steel Door, Add	932.95	
			For Embossed Panel Door, Add	172.24	
			For Baked Enamel Finish, Add	233.38	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-44.93	
			For >100, Deduct	-65.88	
			For 2" Thick Door, Add	55.04	
			For Polystyrene Core, Add	71.77	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	179.41	
			For Continuously Welded And Filled Vertical Edge Seam, Add	89.71	
			For Steel Stiffened, Add	179.41	
08 13 13	13-0087	EA	2'-8" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	848.95	60.30
			For 14 Gauge, Level 4 Maximum Duty, Add	291.34	
			For Galvanized Steel Door, Add	145.67	
			For Type 304 Stainless Steel Door, Add	582.69	
			For Type 316 Stainless Steel Door, Add	946.87	
			For Embossed Panel Door, Add	174.81	
			For Baked Enamel Finish, Add	236.60	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-45.46	
			For >100, Deduct	-66.69	
			For 2" Thick Door, Add	55.82	
			For Polystyrene Core, Add	72.84	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	182.09	
			For Continuously Welded And Filled Vertical Edge Seam, Add	91.05	
			For Steel Stiffened, Add	182.09	
08 13 13	13-0088	EA	2'-10" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	855.86	61.61
			For 14 Gauge, Level 4 Maximum Duty, Add	293.06	
			For Galvanized Steel Door, Add	146.53	
			For Type 304 Stainless Steel Door, Add	586.11	
			For Type 316 Stainless Steel Door, Add	952.43	
			For Embossed Panel Door, Add	175.83	
			For Baked Enamel Finish, Add	238.28	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-45.87	
			For >100, Deduct	-67.27	
			For 2" Thick Door, Add	56.20	
			For Polystyrene Core, Add	73.26	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	183.16	
			For Continuously Welded And Filled Vertical Edge Seam, Add	91.58	
			For Steel Stiffened, Add	183.16	
08 13 13	13-0089	EA	3' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	862.77	62.92
			For 14 Gauge, Level 4 Maximum Duty, Add	294.77	
			For Galvanized Steel Door, Add	147.39	
			For Type 304 Stainless Steel Door, Add	589.54	
			For Type 316 Stainless Steel Door, Add	958.01	
			For Embossed Panel Door, Add	176.86	
			For Baked Enamel Finish, Add	239.96	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-46.28	
			For >100, Deduct	-67.85	
			For 2" Thick Door, Add	56.57	
			For Polystyrene Core, Add	73.69	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	184.23	
			For Continuously Welded And Filled Vertical Edge Seam, Add	92.12	
			For Steel Stiffened, Add	184.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0090	EA	3'-4" x 7' x 1-3/4"	16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door ..... For 14 Gauge, Level 4 Maximum Duty, Add For Galvanized Steel Door, Add For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel Door, Add For Baked Enamel Finish, Add For 20 Minute Fire Rated Door, Add For 45 Minute Fire Rated Door, Add For 60 Minute Fire Rated Door, Add For 90 Minute Fire Rated Door, Add For 3 Hour Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct For 2" Thick Door, Add For Polystyrene Core, Add For Mineral Core, 250 Degree Maximum Temperature Rise, Add For Continuously Welded And Filled Vertical Edge Seam, Add For Steel Stiffened, Add	918.47 317.05 158.53 634.10 1,030.42 190.23 256.67 27.63 41.40 55.27 93.38 131.50 -49.07 -72.03 60.61 79.26 198.16 99.08 198.16	62.92
08 13 13 13-0091	EA	3'-6" x 7' x 1-3/4"	16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door ..... For 14 Gauge, Level 4 Maximum Duty, Add For Galvanized Steel Door, Add For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel Door, Add For Baked Enamel Finish, Add For 20 Minute Fire Rated Door, Add For 45 Minute Fire Rated Door, Add For 60 Minute Fire Rated Door, Add For 90 Minute Fire Rated Door, Add For 3 Hour Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct For 2" Thick Door, Add For Polystyrene Core, Add For Mineral Core, 250 Degree Maximum Temperature Rise, Add For Continuously Welded And Filled Vertical Edge Seam, Add For Steel Stiffened, Add	945.13 325.62 162.81 651.24 1,058.27 195.37 263.88 27.63 41.40 55.27 93.38 131.50 -50.53 -74.16 62.30 81.41 203.51 101.76 203.51	65.54
08 13 13 13-0092	EA	4' x 7' x 1-3/4"	16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door ..... For 14 Gauge, Level 4 Maximum Duty, Add For Galvanized Steel Door, Add For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel Door, Add For Baked Enamel Finish, Add For 20 Minute Fire Rated Door, Add For 45 Minute Fire Rated Door, Add For 60 Minute Fire Rated Door, Add For 90 Minute Fire Rated Door, Add For 3 Hour Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct For 2" Thick Door, Add For Polystyrene Core, Add For Mineral Core, 250 Degree Maximum Temperature Rise, Add For Continuously Welded And Filled Vertical Edge Seam, Add For Steel Stiffened, Add	1,041.31 359.90 179.95 719.79 1,169.66 215.94 291.16 27.63 41.40 55.27 93.38 131.50 -55.60 -81.64 68.77 89.97 224.94 112.47 224.94	70.79
08 13 13 13-0093		7'-2" High	16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0072)</small>		
08 13 13 13-0094	EA	2' x 7'-2" x 1-3/4"	16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door ..... For 14 Gauge, Level 4 Maximum Duty, Add For Galvanized Steel Door, Add For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel Door, Add For Baked Enamel Finish, Add For 20 Minute Fire Rated Door, Add For 45 Minute Fire Rated Door, Add For 60 Minute Fire Rated Door, Add For 90 Minute Fire Rated Door, Add For 3 Hour Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct For 2" Thick Door, Add For Polystyrene Core, Add For Mineral Core, 250 Degree Maximum Temperature Rise, Add For Continuously Welded And Filled Vertical Edge Seam, Add For Steel Stiffened, Add	834.93 287.83 143.91 575.66 935.44 172.70 233.18 27.63 41.40 55.27 93.38 131.50 -44.63 -65.50 55.05 71.96 179.89 89.95 179.89	57.67

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0095	EA	2'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	834.93	57.67
			For 14 Gauge, Level 4 Maximum Duty, Add	287.83	
			For Galvanized Steel Door, Add	143.91	
			For Type 304 Stainless Steel Door, Add	575.66	
			For Type 316 Stainless Steel Door, Add	935.44	
			For Embossed Panel Door, Add	172.70	
			For Baked Enamel Finish, Add	233.18	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-44.63	
			For >100, Deduct	-65.50	
			For 2" Thick Door, Add	55.05	
			For Polystyrene Core, Add	71.96	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	179.89	
			For Continuously Welded And Filled Vertical Edge Seam, Add	89.95	
			For Steel Stiffened, Add	179.89	
08 13 13	13-0096	EA	2'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	854.88	60.30
			For 14 Gauge, Level 4 Maximum Duty, Add	293.72	
			For Galvanized Steel Door, Add	146.86	
			For Type 304 Stainless Steel Door, Add	587.43	
			For Type 316 Stainless Steel Door, Add	954.58	
			For Embossed Panel Door, Add	176.23	
			For Baked Enamel Finish, Add	238.38	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-45.76	
			For >100, Deduct	-67.13	
			For 2" Thick Door, Add	56.25	
			For Polystyrene Core, Add	73.43	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	183.57	
			For Continuously Welded And Filled Vertical Edge Seam, Add	91.79	
			For Steel Stiffened, Add	183.57	
08 13 13	13-0097	EA	2'-8" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	865.84	60.30
			For 14 Gauge, Level 4 Maximum Duty, Add	298.10	
			For Galvanized Steel Door, Add	149.05	
			For Type 304 Stainless Steel Door, Add	596.20	
			For Type 316 Stainless Steel Door, Add	968.83	
			For Embossed Panel Door, Add	178.86	
			For Baked Enamel Finish, Add	241.66	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-46.31	
			For >100, Deduct	-67.95	
			For 2" Thick Door, Add	57.05	
			For Polystyrene Core, Add	74.53	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	186.31	
			For Continuously Welded And Filled Vertical Edge Seam, Add	93.16	
			For Steel Stiffened, Add	186.31	
08 13 13	13-0098	EA	2'-10" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	872.86	61.61
			For 14 Gauge, Level 4 Maximum Duty, Add	299.86	
			For Galvanized Steel Door, Add	149.93	
			For Type 304 Stainless Steel Door, Add	599.71	
			For Type 316 Stainless Steel Door, Add	974.53	
			For Embossed Panel Door, Add	179.91	
			For Baked Enamel Finish, Add	243.38	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-46.72	
			For >100, Deduct	-68.55	
			For 2" Thick Door, Add	57.43	
			For Polystyrene Core, Add	74.96	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	187.41	
			For Continuously Welded And Filled Vertical Edge Seam, Add	93.71	
			For Steel Stiffened, Add	187.41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0099 EA 3' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	879.85	62.92
For 14 Gauge, Level 4 Maximum Duty, Add	301.60	
For Galvanized Steel Door, Add	150.80	
For Type 304 Stainless Steel Door, Add	603.21	
For Type 316 Stainless Steel Door, Add	980.21	
For Embossed Panel Door, Add	180.96	
For Baked Enamel Finish, Add	245.08	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-47.14	
For >100, Deduct	-69.13	
For 2" Thick Door, Add	57.81	
For Polystyrene Core, Add	75.40	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	188.50	
For Continuously Welded And Filled Vertical Edge Seam, Add	94.25	
For Steel Stiffened, Add	188.50	
08 13 13 13-0100 EA 3'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	936.84	62.92
For 14 Gauge, Level 4 Maximum Duty, Add	324.40	
For Galvanized Steel Door, Add	162.20	
For Type 304 Stainless Steel Door, Add	648.80	
For Type 316 Stainless Steel Door, Add	1,054.30	
For Embossed Panel Door, Add	194.64	
For Baked Enamel Finish, Add	262.18	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-49.99	
For >100, Deduct	-73.41	
For 2" Thick Door, Add	61.94	
For Polystyrene Core, Add	81.10	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	202.75	
For Continuously Welded And Filled Vertical Edge Seam, Add	101.38	
For Steel Stiffened, Add	202.75	
08 13 13 13-0101 EA 3'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	964.00	65.54
For 14 Gauge, Level 4 Maximum Duty, Add	333.17	
For Galvanized Steel Door, Add	166.58	
For Type 304 Stainless Steel Door, Add	666.34	
For Type 316 Stainless Steel Door, Add	1,082.80	
For Embossed Panel Door, Add	199.90	
For Baked Enamel Finish, Add	269.54	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-51.48	
For >100, Deduct	-75.58	
For 2" Thick Door, Add	63.66	
For Polystyrene Core, Add	83.29	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	208.23	
For Continuously Welded And Filled Vertical Edge Seam, Add	104.12	
For Steel Stiffened, Add	208.23	
08 13 13 13-0102 EA 4' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,062.17	70.79
For 14 Gauge, Level 4 Maximum Duty, Add	368.24	
For Galvanized Steel Door, Add	184.12	
For Type 304 Stainless Steel Door, Add	736.48	
For Type 316 Stainless Steel Door, Add	1,196.78	
For Embossed Panel Door, Add	220.94	
For Baked Enamel Finish, Add	297.42	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-56.65	
For >100, Deduct	-83.20	
For 2" Thick Door, Add	70.28	
For Polystyrene Core, Add	92.06	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	230.15	
For Continuously Welded And Filled Vertical Edge Seam, Add	115.08	
For Steel Stiffened, Add	230.15	

08 13 13 13-0103 8' High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0072)

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 13 13 13-0104	EA	2' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	969.41	57.67
		For Up To 1' Extra Height, Add	236.32	
		For 14 Gauge, Level 4 Maximum Duty, Add	341.62	
		For Galvanized Steel Door, Add	170.81	
		For Type 304 Stainless Steel Door, Add	683.24	
		For Type 316 Stainless Steel Door, Add	1,110.27	
		For Embossed Panel Door, Add	204.97	
		For Baked Enamel Finish, Add	273.52	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-51.35	
		For >100, Deduct	-75.59	
		For 2" Thick Door, Add	64.80	
		For Polystyrene Core, Add	85.41	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	213.51	
		For Continuously Welded And Filled Vertical Edge Seam, Add	106.76	
		For Steel Stiffened, Add	213.51	
08 13 13 13-0105	EA	2'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	969.41	57.67
		For Up To 1' Extra Height, Add	236.32	
		For 14 Gauge, Level 4 Maximum Duty, Add	341.62	
		For Galvanized Steel Door, Add	170.81	
		For Type 304 Stainless Steel Door, Add	683.24	
		For Type 316 Stainless Steel Door, Add	1,110.27	
		For Embossed Panel Door, Add	204.97	
		For Baked Enamel Finish, Add	273.52	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-51.35	
		For >100, Deduct	-75.59	
		For 2" Thick Door, Add	64.80	
		For Polystyrene Core, Add	85.41	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	213.51	
		For Continuously Welded And Filled Vertical Edge Seam, Add	106.76	
		For Steel Stiffened, Add	213.51	
08 13 13 13-0106	EA	2'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	992.11	60.30
		For Up To 1' Extra Height, Add	241.15	
		For 14 Gauge, Level 4 Maximum Duty, Add	348.61	
		For Galvanized Steel Door, Add	174.30	
		For Type 304 Stainless Steel Door, Add	697.22	
		For Type 316 Stainless Steel Door, Add	1,132.98	
		For Embossed Panel Door, Add	209.16	
		For Baked Enamel Finish, Add	279.54	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-52.62	
		For >100, Deduct	-77.42	
		For 2" Thick Door, Add	66.20	
		For Polystyrene Core, Add	87.15	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	217.88	
		For Continuously Welded And Filled Vertical Edge Seam, Add	108.94	
		For Steel Stiffened, Add	217.88	
08 13 13 13-0107	EA	2'-8" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,005.12	60.30
		For Up To 1' Extra Height, Add	244.75	
		For 14 Gauge, Level 4 Maximum Duty, Add	353.81	
		For Galvanized Steel Door, Add	176.91	
		For Type 304 Stainless Steel Door, Add	707.62	
		For Type 316 Stainless Steel Door, Add	1,149.89	
		For Embossed Panel Door, Add	212.29	
		For Baked Enamel Finish, Add	283.45	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-53.27	
		For >100, Deduct	-78.40	
		For 2" Thick Door, Add	67.14	
		For Polystyrene Core, Add	88.45	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	221.13	
		For Continuously Welded And Filled Vertical Edge Seam, Add	110.57	
		For Steel Stiffened, Add	221.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0108 EA 2'-10" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,012.95	61.61
For Up To 1' Extra Height, Add	246.19	
For 14 Gauge, Level 4 Maximum Duty, Add	355.89	
For Galvanized Steel Door, Add	177.95	
For Type 304 Stainless Steel Door, Add	711.78	
For Type 316 Stainless Steel Door, Add	1,156.65	
For Embossed Panel Door, Add	213.54	
For Baked Enamel Finish, Add	285.40	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-53.73	
For >100, Deduct	-79.05	
For 2" Thick Door, Add	67.59	
For Polystyrene Core, Add	88.97	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	222.43	
For Continuously Welded And Filled Vertical Edge Seam, Add	111.22	
For Steel Stiffened, Add	222.43	
08 13 13 13-0109 EA 3' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,020.77	62.92
For Up To 1' Extra Height, Add	247.63	
For 14 Gauge, Level 4 Maximum Duty, Add	357.97	
For Galvanized Steel Door, Add	178.99	
For Type 304 Stainless Steel Door, Add	715.94	
For Type 316 Stainless Steel Door, Add	1,163.41	
For Embossed Panel Door, Add	214.78	
For Baked Enamel Finish, Add	287.36	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-54.18	
For >100, Deduct	-79.70	
For 2" Thick Door, Add	68.03	
For Polystyrene Core, Add	89.49	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	223.73	
For Continuously Welded And Filled Vertical Edge Seam, Add	111.87	
For Steel Stiffened, Add	223.73	
08 13 13 13-0110 EA 3'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,088.41	62.92
For Up To 1' Extra Height, Add	266.34	
For 14 Gauge, Level 4 Maximum Duty, Add	385.03	
For Galvanized Steel Door, Add	192.51	
For Type 304 Stainless Steel Door, Add	770.06	
For Type 316 Stainless Steel Door, Add	1,251.34	
For Embossed Panel Door, Add	231.02	
For Baked Enamel Finish, Add	307.65	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-57.57	
For >100, Deduct	-84.78	
For 2" Thick Door, Add	72.93	
For Polystyrene Core, Add	96.26	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	240.64	
For Continuously Welded And Filled Vertical Edge Seam, Add	120.32	
For Steel Stiffened, Add	240.64	
08 13 13 13-0111 EA 3'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,119.67	65.54
For Up To 1' Extra Height, Add	273.54	
For 1' To 1'-6" Extra Height, Add	521.88	
For 14 Gauge, Level 4 Maximum Duty, Add	395.44	
For Galvanized Steel Door, Add	197.72	
For Type 304 Stainless Steel Door, Add	790.87	
For Type 316 Stainless Steel Door, Add	1,285.17	
For Embossed Panel Door, Add	237.26	
For Baked Enamel Finish, Add	316.24	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-59.26	
For >100, Deduct	-87.25	
For 2" Thick Door, Add	74.95	
For Polystyrene Core, Add	98.86	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	247.15	
For Continuously Welded And Filled Vertical Edge Seam, Add	123.57	
For Steel Stiffened, Add	247.15	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 13 13 13-0112	EA	4' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,234.22	70.79
		<i>For Up To 1' Extra Height, Add</i>	302.34	
		<i>For 1' To 1'-6" Extra Height, Add</i>	576.81	
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	437.06	
		<i>For Galvanized Steel Door, Add</i>	218.53	
		<i>For Type 304 Stainless Steel Door, Add</i>	874.12	
		<i>For Type 316 Stainless Steel Door, Add</i>	1,420.45	
		<i>For Embossed Panel Door, Add</i>	262.24	
		<i>For Baked Enamel Finish, Add</i>	349.03	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-65.25	
		<i>For &gt;100, Deduct</i>	-96.11	
		<i>For 2" Thick Door, Add</i>	82.76	
		<i>For Polystyrene Core, Add</i>	109.27	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	273.16	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	136.58	
		<i>For Steel Stiffened, Add</i>	273.16	

**08 13 13 53 Custom Hollow Metal Doors (08 13 13)**

08 13 13 53-0001		<b>Steel 18 Gauge 1-3/4" Unrated Door (08 13 13 53)</b>		
08 13 13 53-0002	EA	2'-2" Or 2'-4" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door.....	1,784.70	131.08
		<i>For 16 Gauge Door, Add</i>	20.30	
08 13 13 53-0003	EA	2'-6" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door.....	1,870.12	157.30
		<i>For 16 Gauge Door, Add</i>	20.30	

**08 13 73 Sliding Metal Doors (08 13)**

08 13 73 00-0001		<b>Sliding Bypass Mirror Doors (08 13 73)</b>		
		Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.		
08 13 73 00-0002	EA	4' x 6' 8", Sliding Bypass Mirror Doors .....	389.10	78.65
08 13 73 00-0003	EA	5' x 6' 8", Sliding Bypass Mirror Doors .....	439.90	83.90
08 13 73 00-0004	EA	6' x 6' 8", Sliding Bypass Mirror Doors .....	490.70	89.13
08 13 73 00-0005	EA	8' x 6' 8", Sliding Bypass Mirror Doors .....	581.81	94.38

**08 14 Wood Doors (08 10)**

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included).  
See CSI section 08 05 13 00-0040 for mortise preparation, 08 70 00 00-0000 for finish hardware.

**08 14 16 Flush Wood Doors (08 14)**

08 14 16 00-0001		<b>1-3/8" Thick, Hollow Core (HC), Wood Doors (08 14 16)</b>		
08 14 16 00-0002		<b>Birch Faced Wood Door (08 14 16 00-0001)</b>		
08 14 16 00-0003	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	242.76	57.67
		<i>For &gt;50 To 100, Deduct</i>	-15.02	
		<i>For &gt;100, Deduct</i>	-21.09	
08 14 16 00-0004	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	242.76	57.67
		<i>For &gt;50 To 100, Deduct</i>	-15.02	
		<i>For &gt;100, Deduct</i>	-21.09	
08 14 16 00-0005	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	257.03	60.30
		<i>For &gt;50 To 100, Deduct</i>	-15.87	
		<i>For &gt;100, Deduct</i>	-22.29	
08 14 16 00-0006	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	263.66	60.30
		<i>For &gt;50 To 100, Deduct</i>	-16.20	
		<i>For &gt;100, Deduct</i>	-22.79	
08 14 16 00-0007	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	265.22	60.30
		<i>For &gt;50 To 100, Deduct</i>	-16.28	
		<i>For &gt;100, Deduct</i>	-22.91	
08 14 16 00-0008	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	271.26	62.92
		<i>For &gt;50 To 100, Deduct</i>	-16.71	
		<i>For &gt;100, Deduct</i>	-23.49	
08 14 16 00-0009	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	285.45	62.92
		<i>For &gt;50 To 100, Deduct</i>	-17.42	
		<i>For &gt;100, Deduct</i>	-24.55	
08 14 16 00-0010	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	300.91	65.54
		<i>For &gt;50 To 100, Deduct</i>	-18.32	
		<i>For &gt;100, Deduct</i>	-25.85	
08 14 16 00-0011	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	250.19	57.67
		<i>For &gt;50 To 100, Deduct</i>	-15.39	
		<i>For &gt;100, Deduct</i>	-21.65	
08 14 16 00-0012	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	250.19	57.67
		<i>For &gt;50 To 100, Deduct</i>	-15.39	
		<i>For &gt;100, Deduct</i>	-21.65	
08 14 16 00-0013	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	264.97	60.30
		<i>For &gt;50 To 100, Deduct</i>	-16.26	
		<i>For &gt;100, Deduct</i>	-22.89	
08 14 16 00-0014	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	272.00	60.30
		<i>For &gt;50 To 100, Deduct</i>	-16.61	
		<i>For &gt;100, Deduct</i>	-23.41	
08 14 16 00-0015	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	273.65	60.30
		<i>For &gt;50 To 100, Deduct</i>	-16.70	
		<i>For &gt;100, Deduct</i>	-23.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0016	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	279.71	62.92
			<i>For &gt;50 To 100, Deduct</i>	-17.13	
			<i>For &gt;100, Deduct</i>	-24.12	
08 14 16 00-0017	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	294.74	62.92
			<i>For &gt;50 To 100, Deduct</i>	-17.88	
			<i>For &gt;100, Deduct</i>	-25.25	
08 14 16 00-0018	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	310.79	65.54
			<i>For &gt;50 To 100, Deduct</i>	-18.82	
			<i>For &gt;100, Deduct</i>	-26.59	
08 14 16 00-0019	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	276.48	57.67
			<i>For &gt;50 To 100, Deduct</i>	-16.71	
			<i>For &gt;100, Deduct</i>	-23.62	
			<i>For 9' Door Height, Add</i>	33.84	
08 14 16 00-0020	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	276.48	57.67
			<i>For &gt;50 To 100, Deduct</i>	-16.71	
			<i>For &gt;100, Deduct</i>	-23.62	
			<i>For 9' Door Height, Add</i>	33.84	
08 14 16 00-0021	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	293.14	60.30
			<i>For &gt;50 To 100, Deduct</i>	-17.67	
			<i>For &gt;100, Deduct</i>	-25.00	
			<i>For 9' Door Height, Add</i>	36.24	
08 14 16 00-0022	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	301.51	60.30
			<i>For &gt;50 To 100, Deduct</i>	-18.09	
			<i>For &gt;100, Deduct</i>	-25.63	
			<i>For 9' Door Height, Add</i>	37.99	
08 14 16 00-0023	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	303.49	60.30
			<i>For &gt;50 To 100, Deduct</i>	-18.19	
			<i>For &gt;100, Deduct</i>	-25.78	
			<i>For 9' Door Height, Add</i>	38.41	
08 14 16 00-0024	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	309.71	62.92
			<i>For &gt;50 To 100, Deduct</i>	-18.63	
			<i>For &gt;100, Deduct</i>	-26.37	
			<i>For 9' Door Height, Add</i>	38.61	
08 14 16 00-0025	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	327.68	62.92
			<i>For &gt;50 To 100, Deduct</i>	-19.53	
			<i>For &gt;100, Deduct</i>	-27.72	
			<i>For 9' Door Height, Add</i>	42.39	
08 14 16 00-0026	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	345.82	65.54
			<i>For &gt;50 To 100, Deduct</i>	-20.57	
			<i>For &gt;100, Deduct</i>	-29.21	
			<i>For 9' Door Height, Add</i>	45.10	
<b>08 14 16 00-0027 Oak Faced Wood Door (08 14 16 00-0001)</b>					
08 14 16 00-0028	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	272.95	57.67
			<i>For &gt;50 To 100, Deduct</i>	-16.53	
			<i>For &gt;100, Deduct</i>	-23.36	
08 14 16 00-0029	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	272.95	57.67
			<i>For &gt;50 To 100, Deduct</i>	-16.53	
			<i>For &gt;100, Deduct</i>	-23.36	
08 14 16 00-0030	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	289.34	60.30
			<i>For &gt;50 To 100, Deduct</i>	-17.48	
			<i>For &gt;100, Deduct</i>	-24.72	
08 14 16 00-0031	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	297.56	60.30
			<i>For &gt;50 To 100, Deduct</i>	-17.89	
			<i>For &gt;100, Deduct</i>	-25.33	
08 14 16 00-0032	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	299.01	60.30
			<i>For &gt;50 To 100, Deduct</i>	-17.97	
			<i>For &gt;100, Deduct</i>	-25.44	
08 14 16 00-0033	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	305.71	62.92
			<i>For &gt;50 To 100, Deduct</i>	-18.43	
			<i>For &gt;100, Deduct</i>	-26.07	
08 14 16 00-0034	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	323.25	62.92
			<i>For &gt;50 To 100, Deduct</i>	-19.31	
			<i>For &gt;100, Deduct</i>	-27.39	
08 14 16 00-0035	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	341.13	65.54
			<i>For &gt;50 To 100, Deduct</i>	-20.33	
			<i>For &gt;100, Deduct</i>	-28.86	
08 14 16 00-0036	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	282.11	57.67
			<i>For &gt;50 To 100, Deduct</i>	-16.99	
			<i>For &gt;100, Deduct</i>	-24.04	
08 14 16 00-0037	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	282.11	57.67
			<i>For &gt;50 To 100, Deduct</i>	-16.99	
			<i>For &gt;100, Deduct</i>	-24.04	
08 14 16 00-0038	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	299.17	60.30
			<i>For &gt;50 To 100, Deduct</i>	-17.97	
			<i>For &gt;100, Deduct</i>	-25.45	
08 14 16 00-0039	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	307.86	60.30
			<i>For &gt;50 To 100, Deduct</i>	-18.41	
			<i>For &gt;100, Deduct</i>	-26.10	
08 14 16 00-0040	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	309.39	60.30
			<i>For &gt;50 To 100, Deduct</i>	-18.48	
			<i>For &gt;100, Deduct</i>	-26.22	
08 14 16 00-0041	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	316.17	62.92
			<i>For &gt;50 To 100, Deduct</i>	-18.95	
			<i>For &gt;100, Deduct</i>	-26.86	
08 14 16 00-0042	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	334.73	62.92
			<i>For &gt;50 To 100, Deduct</i>	-19.88	
			<i>For &gt;100, Deduct</i>	-28.25	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0043	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	353.35	65.54
			<i>For &gt;50 To 100, Deduct</i>	-20.94	
			<i>For &gt;100, Deduct</i>	-29.78	
08 14 16 00-0044	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	314.64	57.67
			<i>For &gt;50 To 100, Deduct</i>	-18.62	
			<i>For &gt;100, Deduct</i>	-26.48	
			<i>For 9' Door Height, Add</i>	41.85	
08 14 16 00-0045	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	314.64	57.67
			<i>For &gt;50 To 100, Deduct</i>	-18.62	
			<i>For &gt;100, Deduct</i>	-26.48	
			<i>For 9' Door Height, Add</i>	41.85	
08 14 16 00-0046	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	333.99	60.30
			<i>For &gt;50 To 100, Deduct</i>	-19.71	
			<i>For &gt;100, Deduct</i>	-28.06	
			<i>For 9' Door Height, Add</i>	44.81	
08 14 16 00-0047	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	344.37	60.30
			<i>For &gt;50 To 100, Deduct</i>	-20.23	
			<i>For &gt;100, Deduct</i>	-28.84	
			<i>For 9' Door Height, Add</i>	46.99	
08 14 16 00-0048	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	346.21	60.30
			<i>For &gt;50 To 100, Deduct</i>	-20.33	
			<i>For &gt;100, Deduct</i>	-28.98	
			<i>For 9' Door Height, Add</i>	47.38	
08 14 16 00-0049	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	353.28	62.92
			<i>For &gt;50 To 100, Deduct</i>	-20.81	
			<i>For &gt;100, Deduct</i>	-29.64	
			<i>For 9' Door Height, Add</i>	47.76	
08 14 16 00-0050	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	375.48	62.92
			<i>For &gt;50 To 100, Deduct</i>	-21.92	
			<i>For &gt;100, Deduct</i>	-31.31	
			<i>For 9' Door Height, Add</i>	52.42	
08 14 16 00-0051	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	396.71	65.54
			<i>For &gt;50 To 100, Deduct</i>	-23.11	
			<i>For &gt;100, Deduct</i>	-33.03	
			<i>For 9' Door Height, Add</i>	55.78	
<b>08 14 16 00-0052</b>			<b>Maple Faced Wood Door</b> <small>(08 14 16 00-0001)</small>		
08 14 16 00-0053	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	304.47	57.67
			<i>For &gt;50 To 100, Deduct</i>	-18.11	
			<i>For &gt;100, Deduct</i>	-25.72	
08 14 16 00-0054	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	304.47	57.67
			<i>For &gt;50 To 100, Deduct</i>	-18.11	
			<i>For &gt;100, Deduct</i>	-25.72	
08 14 16 00-0055	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	323.08	60.30
			<i>For &gt;50 To 100, Deduct</i>	-19.17	
			<i>For &gt;100, Deduct</i>	-27.25	
08 14 16 00-0056	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	332.96	60.30
			<i>For &gt;50 To 100, Deduct</i>	-19.66	
			<i>For &gt;100, Deduct</i>	-27.99	
08 14 16 00-0057	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	334.70	60.30
			<i>For &gt;50 To 100, Deduct</i>	-19.75	
			<i>For &gt;100, Deduct</i>	-28.12	
08 14 16 00-0058	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	341.69	62.92
			<i>For &gt;50 To 100, Deduct</i>	-20.23	
			<i>For &gt;100, Deduct</i>	-28.77	
08 14 16 00-0059	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	362.73	62.92
			<i>For &gt;50 To 100, Deduct</i>	-21.28	
			<i>For &gt;100, Deduct</i>	-30.35	
08 14 16 00-0060	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	383.14	65.54
			<i>For &gt;50 To 100, Deduct</i>	-22.43	
			<i>For &gt;100, Deduct</i>	-32.01	
08 14 16 00-0061	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	315.46	57.67
			<i>For &gt;50 To 100, Deduct</i>	-18.66	
			<i>For &gt;100, Deduct</i>	-26.54	
08 14 16 00-0062	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	315.46	57.67
			<i>For &gt;50 To 100, Deduct</i>	-18.66	
			<i>For &gt;100, Deduct</i>	-26.54	
08 14 16 00-0063	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	334.88	60.30
			<i>For &gt;50 To 100, Deduct</i>	-19.76	
			<i>For &gt;100, Deduct</i>	-28.13	
08 14 16 00-0064	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	345.31	60.30
			<i>For &gt;50 To 100, Deduct</i>	-20.28	
			<i>For &gt;100, Deduct</i>	-28.91	
08 14 16 00-0065	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	347.16	60.30
			<i>For &gt;50 To 100, Deduct</i>	-20.37	
			<i>For &gt;100, Deduct</i>	-29.05	
08 14 16 00-0066	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	354.23	62.92
			<i>For &gt;50 To 100, Deduct</i>	-20.86	
			<i>For &gt;100, Deduct</i>	-29.71	
08 14 16 00-0067	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	376.51	62.92
			<i>For &gt;50 To 100, Deduct</i>	-21.97	
			<i>For &gt;100, Deduct</i>	-31.38	
08 14 16 00-0068	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	397.82	65.54
			<i>For &gt;50 To 100, Deduct</i>	-23.17	
			<i>For &gt;100, Deduct</i>	-33.11	
08 14 16 00-0069	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	354.49	57.67
			<i>For &gt;50 To 100, Deduct</i>	-20.61	
			<i>For &gt;100, Deduct</i>	-29.47	
			<i>For 9' Door Height, Add</i>	50.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0070	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	354.49	57.67
			<i>For &gt;50 To 100, Deduct</i>	-20.61	
			<i>For &gt;100, Deduct</i>	-29.47	
			<i>For 9' Door Height, Add</i>	50.22	
08 14 16 00-0071	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	376.66	60.30
			<i>For &gt;50 To 100, Deduct</i>	-21.85	
			<i>For &gt;100, Deduct</i>	-31.26	
			<i>For 9' Door Height, Add</i>	53.77	
08 14 16 00-0072	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	389.12	60.30
			<i>For &gt;50 To 100, Deduct</i>	-22.47	
			<i>For &gt;100, Deduct</i>	-32.20	
			<i>For 9' Door Height, Add</i>	56.39	
08 14 16 00-0073	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	391.33	60.30
			<i>For &gt;50 To 100, Deduct</i>	-22.58	
			<i>For &gt;100, Deduct</i>	-32.36	
			<i>For 9' Door Height, Add</i>	56.86	
08 14 16 00-0074	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	398.76	62.92
			<i>For &gt;50 To 100, Deduct</i>	-23.08	
			<i>For &gt;100, Deduct</i>	-33.05	
			<i>For 9' Door Height, Add</i>	57.31	
08 14 16 00-0075	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	425.42	62.92
			<i>For &gt;50 To 100, Deduct</i>	-24.42	
			<i>For &gt;100, Deduct</i>	-35.05	
			<i>For 9' Door Height, Add</i>	62.91	
08 14 16 00-0076	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	449.83	65.54
			<i>For &gt;50 To 100, Deduct</i>	-25.77	
			<i>For &gt;100, Deduct</i>	-37.01	
			<i>For 9' Door Height, Add</i>	66.94	
<b>08 14 16 00-0077</b>			<b>Lauan Faced Wood Doors</b> <small>(08 14 16 00-0001)</small>		
08 14 16 00-0078	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	210.63	57.67
			<i>For &gt;50 To 100, Deduct</i>	-13.42	
			<i>For &gt;100, Deduct</i>	-18.68	
08 14 16 00-0079	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	210.63	57.67
			<i>For &gt;50 To 100, Deduct</i>	-13.42	
			<i>For &gt;100, Deduct</i>	-18.68	
08 14 16 00-0080	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	222.31	60.30
			<i>For &gt;50 To 100, Deduct</i>	-14.13	
			<i>For &gt;100, Deduct</i>	-19.69	
08 14 16 00-0081	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	227.76	60.30
			<i>For &gt;50 To 100, Deduct</i>	-14.40	
			<i>For &gt;100, Deduct</i>	-20.10	
08 14 16 00-0082	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	229.69	60.30
			<i>For &gt;50 To 100, Deduct</i>	-14.50	
			<i>For &gt;100, Deduct</i>	-20.24	
08 14 16 00-0083	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	236.86	62.92
			<i>For &gt;50 To 100, Deduct</i>	-14.99	
			<i>For &gt;100, Deduct</i>	-20.91	
08 14 16 00-0084	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	247.47	62.92
			<i>For &gt;50 To 100, Deduct</i>	-15.52	
			<i>For &gt;100, Deduct</i>	-21.71	
08 14 16 00-0085	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	260.51	65.54
			<i>For &gt;50 To 100, Deduct</i>	-16.30	
			<i>For &gt;100, Deduct</i>	-22.82	
08 14 16 00-0086	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	216.17	57.67
			<i>For &gt;50 To 100, Deduct</i>	-13.69	
			<i>For &gt;100, Deduct</i>	-19.10	
08 14 16 00-0087	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	216.16	57.67
			<i>For &gt;50 To 100, Deduct</i>	-13.69	
			<i>For &gt;100, Deduct</i>	-19.10	
08 14 16 00-0088	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	228.24	60.30
			<i>For &gt;50 To 100, Deduct</i>	-14.43	
			<i>For &gt;100, Deduct</i>	-20.13	
08 14 16 00-0089	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	234.00	60.30
			<i>For &gt;50 To 100, Deduct</i>	-14.71	
			<i>For &gt;100, Deduct</i>	-20.56	
08 14 16 00-0090	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	236.03	60.30
			<i>For &gt;50 To 100, Deduct</i>	-14.82	
			<i>For &gt;100, Deduct</i>	-20.72	
08 14 16 00-0091	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	243.32	62.92
			<i>For &gt;50 To 100, Deduct</i>	-15.31	
			<i>For &gt;100, Deduct</i>	-21.40	
08 14 16 00-0092	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	254.55	62.92
			<i>For &gt;50 To 100, Deduct</i>	-15.87	
			<i>For &gt;100, Deduct</i>	-22.24	
08 14 16 00-0093	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	268.03	65.54
			<i>For &gt;50 To 100, Deduct</i>	-16.68	
			<i>For &gt;100, Deduct</i>	-23.38	
08 14 16 00-0094	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	235.83	57.67
			<i>For &gt;50 To 100, Deduct</i>	-14.68	
			<i>For &gt;100, Deduct</i>	-20.57	
			<i>For 9' Door Height, Add</i>	25.30	
08 14 16 00-0095	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	235.81	57.67
			<i>For &gt;50 To 100, Deduct</i>	-14.67	
			<i>For &gt;100, Deduct</i>	-20.57	
			<i>For 9' Door Height, Add</i>	25.29	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 16 00-0096	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	249.23	60.30
			<i>For &gt;50 To 100, Deduct</i>	-15.48	
			<i>For &gt;100, Deduct</i>	-21.71	
			<i>For 9' Door Height, Add</i>	27.01	
08 14 16 00-0097	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	256.10	60.30
			<i>For &gt;50 To 100, Deduct</i>	-15.82	
			<i>For &gt;100, Deduct</i>	-22.22	
			<i>For 9' Door Height, Add</i>	28.46	
08 14 16 00-0098	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	258.55	60.30
			<i>For &gt;50 To 100, Deduct</i>	-15.94	
			<i>For &gt;100, Deduct</i>	-22.41	
			<i>For 9' Door Height, Add</i>	28.97	
08 14 16 00-0099	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	266.23	62.92
			<i>For &gt;50 To 100, Deduct</i>	-16.46	
			<i>For &gt;100, Deduct</i>	-23.11	
			<i>For 9' Door Height, Add</i>	29.48	
08 14 16 00-0100	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	279.66	62.92
			<i>For &gt;50 To 100, Deduct</i>	-17.13	
			<i>For &gt;100, Deduct</i>	-24.12	
			<i>For 9' Door Height, Add</i>	32.30	
08 14 16 00-0101	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	294.72	65.54
			<i>For &gt;50 To 100, Deduct</i>	-18.01	
			<i>For &gt;100, Deduct</i>	-25.38	
			<i>For 9' Door Height, Add</i>	34.36	

**08 14 16 00-0102 Medium Density Overlay (MDO) Faced Wood Doors** (08 14 16 00-0001)

08 14 16 00-0103	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	213.21	57.67
			<i>For &gt;50 To 100, Deduct</i>	-13.54	
			<i>For &gt;100, Deduct</i>	-18.87	
08 14 16 00-0104	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	213.21	57.67
			<i>For &gt;50 To 100, Deduct</i>	-13.54	
			<i>For &gt;100, Deduct</i>	-18.87	
08 14 16 00-0105	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	225.58	60.30
			<i>For &gt;50 To 100, Deduct</i>	-14.29	
			<i>For &gt;100, Deduct</i>	-19.93	
08 14 16 00-0106	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	228.95	60.30
			<i>For &gt;50 To 100, Deduct</i>	-14.46	
			<i>For &gt;100, Deduct</i>	-20.19	
08 14 16 00-0107	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	232.35	60.30
			<i>For &gt;50 To 100, Deduct</i>	-14.63	
			<i>For &gt;100, Deduct</i>	-20.44	
08 14 16 00-0108	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	240.97	62.92
			<i>For &gt;50 To 100, Deduct</i>	-15.19	
			<i>For &gt;100, Deduct</i>	-21.22	
08 14 16 00-0109	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	253.64	62.92
			<i>For &gt;50 To 100, Deduct</i>	-15.83	
			<i>For &gt;100, Deduct</i>	-22.17	
08 14 16 00-0110	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	267.04	65.54
			<i>For &gt;50 To 100, Deduct</i>	-16.63	
			<i>For &gt;100, Deduct</i>	-23.31	
08 14 16 00-0111	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	218.90	57.67
			<i>For &gt;50 To 100, Deduct</i>	-13.83	
			<i>For &gt;100, Deduct</i>	-19.30	
08 14 16 00-0112	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	218.90	57.67
			<i>For &gt;50 To 100, Deduct</i>	-13.83	
			<i>For &gt;100, Deduct</i>	-19.30	
08 14 16 00-0113	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	231.68	60.30
			<i>For &gt;50 To 100, Deduct</i>	-14.60	
			<i>For &gt;100, Deduct</i>	-20.39	
08 14 16 00-0114	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	235.26	60.30
			<i>For &gt;50 To 100, Deduct</i>	-14.78	
			<i>For &gt;100, Deduct</i>	-20.66	
08 14 16 00-0115	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	238.85	60.30
			<i>For &gt;50 To 100, Deduct</i>	-14.96	
			<i>For &gt;100, Deduct</i>	-20.93	
08 14 16 00-0116	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	247.68	62.92
			<i>For &gt;50 To 100, Deduct</i>	-15.53	
			<i>For &gt;100, Deduct</i>	-21.72	
08 14 16 00-0117	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	261.08	62.92
			<i>For &gt;50 To 100, Deduct</i>	-16.20	
			<i>For &gt;100, Deduct</i>	-22.73	
08 14 16 00-0118	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	274.96	65.54
			<i>For &gt;50 To 100, Deduct</i>	-17.03	
			<i>For &gt;100, Deduct</i>	-23.90	
08 14 16 00-0119	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	239.07	57.67
			<i>For &gt;50 To 100, Deduct</i>	-14.84	
			<i>For &gt;100, Deduct</i>	-20.81	
			<i>For 9' Door Height, Add</i>	25.98	
08 14 16 00-0120	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	239.10	57.67
			<i>For &gt;50 To 100, Deduct</i>	-14.84	
			<i>For &gt;100, Deduct</i>	-20.82	
			<i>For 9' Door Height, Add</i>	25.99	
08 14 16 00-0121	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	253.34	60.30
			<i>For &gt;50 To 100, Deduct</i>	-15.68	
			<i>For &gt;100, Deduct</i>	-22.02	
			<i>For 9' Door Height, Add</i>	27.88	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 16 00-0122	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	.....	257.63	60.30
		<i>For &gt;50 To 100, Deduct</i>		-15.90	
		<i>For &gt;100, Deduct</i>		-22.34	
		<i>For 9' Door Height, Add</i>		28.78	
08 14 16 00-0123	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	.....	261.93	60.30
		<i>For &gt;50 To 100, Deduct</i>		-16.11	
		<i>For &gt;100, Deduct</i>		-22.66	
		<i>For 9' Door Height, Add</i>		29.68	
08 14 16 00-0124	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	.....	271.44	62.92
		<i>For &gt;50 To 100, Deduct</i>		-16.72	
		<i>For &gt;100, Deduct</i>		-23.50	
		<i>For 9' Door Height, Add</i>		30.58	
08 14 16 00-0125	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	.....	287.46	62.92
		<i>For &gt;50 To 100, Deduct</i>		-17.52	
		<i>For &gt;100, Deduct</i>		-24.71	
		<i>For 9' Door Height, Add</i>		33.94	
08 14 16 00-0126	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	.....	303.02	65.54
		<i>For &gt;50 To 100, Deduct</i>		-18.43	
		<i>For &gt;100, Deduct</i>		-26.00	
		<i>For 9' Door Height, Add</i>		36.11	
08 14 16 00-0127		1-3/4" Thick, Hollow Core (HC), Wood Doors <small>(08 14 16)</small>			
08 14 16 00-0128		Birch Faced Wood Doors <small>(08 14 16 00-0127)</small>			
08 14 16 00-0129	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	274.61	57.67
		<i>For &gt;50 To 100, Deduct</i>		-16.61	
		<i>For &gt;100, Deduct</i>		-23.48	
08 14 16 00-0130	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	274.61	57.67
		<i>For &gt;50 To 100, Deduct</i>		-16.61	
		<i>For &gt;100, Deduct</i>		-23.48	
08 14 16 00-0131	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	285.84	60.30
		<i>For &gt;50 To 100, Deduct</i>		-17.31	
		<i>For &gt;100, Deduct</i>		-24.45	
08 14 16 00-0132	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	288.08	60.30
		<i>For &gt;50 To 100, Deduct</i>		-17.42	
		<i>For &gt;100, Deduct</i>		-24.62	
08 14 16 00-0133	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	292.98	60.30
		<i>For &gt;50 To 100, Deduct</i>		-17.66	
		<i>For &gt;100, Deduct</i>		-24.99	
08 14 16 00-0134	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	303.13	62.92
		<i>For &gt;50 To 100, Deduct</i>		-18.30	
		<i>For &gt;100, Deduct</i>		-25.88	
08 14 16 00-0135	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	329.12	62.92
		<i>For &gt;50 To 100, Deduct</i>		-19.60	
		<i>For &gt;100, Deduct</i>		-27.83	
08 14 16 00-0136	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	387.12	65.54
		<i>For &gt;50 To 100, Deduct</i>		-22.63	
		<i>For &gt;100, Deduct</i>		-32.31	
08 14 16 00-0137	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	399.92	65.54
		<i>For &gt;50 To 100, Deduct</i>		-23.27	
		<i>For &gt;100, Deduct</i>		-33.27	
08 14 16 00-0138	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	425.52	65.54
		<i>For &gt;50 To 100, Deduct</i>		-24.55	
		<i>For &gt;100, Deduct</i>		-35.19	
08 14 16 00-0139	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	283.88	57.67
		<i>For &gt;50 To 100, Deduct</i>		-17.08	
		<i>For &gt;100, Deduct</i>		-24.18	
08 14 16 00-0140	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	283.88	57.67
		<i>For &gt;50 To 100, Deduct</i>		-17.08	
		<i>For &gt;100, Deduct</i>		-24.18	
08 14 16 00-0141	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	295.46	60.30
		<i>For &gt;50 To 100, Deduct</i>		-17.79	
		<i>For &gt;100, Deduct</i>		-25.17	
08 14 16 00-0142	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	297.83	60.30
		<i>For &gt;50 To 100, Deduct</i>		-17.91	
		<i>For &gt;100, Deduct</i>		-25.35	
08 14 16 00-0143	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	303.01	60.30
		<i>For &gt;50 To 100, Deduct</i>		-18.17	
		<i>For &gt;100, Deduct</i>		-25.74	
08 14 16 00-0144	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	313.44	62.92
		<i>For &gt;50 To 100, Deduct</i>		-18.82	
		<i>For &gt;100, Deduct</i>		-26.65	
08 14 16 00-0145	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	340.96	62.92
		<i>For &gt;50 To 100, Deduct</i>		-20.19	
		<i>For &gt;100, Deduct</i>		-28.72	
08 14 16 00-0146	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	402.03	65.54
		<i>For &gt;50 To 100, Deduct</i>		-23.38	
		<i>For &gt;100, Deduct</i>		-33.43	
08 14 16 00-0147	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	415.57	65.54
		<i>For &gt;50 To 100, Deduct</i>		-24.06	
		<i>For &gt;100, Deduct</i>		-34.44	
08 14 16 00-0148	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	442.67	65.54
		<i>For &gt;50 To 100, Deduct</i>		-25.41	
		<i>For &gt;100, Deduct</i>		-36.48	
08 14 16 00-0149	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	316.75	57.67
		<i>For &gt;50 To 100, Deduct</i>		-18.72	
		<i>For &gt;100, Deduct</i>		-26.64	
		<i>For 9' Door Height, Add</i>		42.29	

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0150	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	316.75	57.67
			<i>For &gt;50 To 100, Deduct</i>	-18.72	
			<i>For &gt;100, Deduct</i>	-26.64	
			<i>For 9' Door Height, Add</i>	42.29	
08 14 16 00-0151	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	329.56	60.30
			<i>For &gt;50 To 100, Deduct</i>	-19.49	
			<i>For &gt;100, Deduct</i>	-27.73	
			<i>For 9' Door Height, Add</i>	43.88	
08 14 16 00-0152	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	332.38	60.30
			<i>For &gt;50 To 100, Deduct</i>	-19.63	
			<i>For &gt;100, Deduct</i>	-27.94	
			<i>For 9' Door Height, Add</i>	44.48	
08 14 16 00-0153	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	338.60	60.30
			<i>For &gt;50 To 100, Deduct</i>	-19.94	
			<i>For &gt;100, Deduct</i>	-28.41	
			<i>For 9' Door Height, Add</i>	45.78	
08 14 16 00-0154	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	350.01	62.92
			<i>For &gt;50 To 100, Deduct</i>	-20.65	
			<i>For &gt;100, Deduct</i>	-29.40	
			<i>For 9' Door Height, Add</i>	47.08	
08 14 16 00-0155	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	382.91	62.92
			<i>For &gt;50 To 100, Deduct</i>	-22.29	
			<i>For &gt;100, Deduct</i>	-31.86	
			<i>For 9' Door Height, Add</i>	53.98	
08 14 16 00-0156	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	454.87	65.54
			<i>For &gt;50 To 100, Deduct</i>	-26.02	
			<i>For &gt;100, Deduct</i>	-37.39	
			<i>For 9' Door Height, Add</i>	68.00	
08 14 16 00-0157	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	471.04	65.54
			<i>For &gt;50 To 100, Deduct</i>	-26.83	
			<i>For &gt;100, Deduct</i>	-38.61	
			<i>For 9' Door Height, Add</i>	71.39	
08 14 16 00-0158	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	503.43	65.54
			<i>For &gt;50 To 100, Deduct</i>	-28.45	
			<i>For &gt;100, Deduct</i>	-41.03	
			<i>For 9' Door Height, Add</i>	78.19	

## 08 14 16 00-0159 Oak Faced Wood Doors (08 14 16 00-0127)

08 14 16 00-0160	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	324.91	57.67
			<i>For &gt;50 To 100, Deduct</i>	-19.13	
			<i>For &gt;100, Deduct</i>	-27.25	
08 14 16 00-0161	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	324.91	57.67
			<i>For &gt;50 To 100, Deduct</i>	-19.13	
			<i>For &gt;100, Deduct</i>	-27.25	
08 14 16 00-0162	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	338.02	60.30
			<i>For &gt;50 To 100, Deduct</i>	-19.92	
			<i>For &gt;100, Deduct</i>	-28.37	
08 14 16 00-0163	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	340.97	60.30
			<i>For &gt;50 To 100, Deduct</i>	-20.06	
			<i>For &gt;100, Deduct</i>	-28.59	
08 14 16 00-0164	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	347.42	60.30
			<i>For &gt;50 To 100, Deduct</i>	-20.39	
			<i>For &gt;100, Deduct</i>	-29.07	
08 14 16 00-0165	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	359.10	62.92
			<i>For &gt;50 To 100, Deduct</i>	-21.10	
			<i>For &gt;100, Deduct</i>	-30.08	
08 14 16 00-0166	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	393.31	62.92
			<i>For &gt;50 To 100, Deduct</i>	-22.81	
			<i>For &gt;100, Deduct</i>	-32.64	
08 14 16 00-0167	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	467.98	65.54
			<i>For &gt;50 To 100, Deduct</i>	-26.68	
			<i>For &gt;100, Deduct</i>	-38.38	
08 14 16 00-0168	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	484.84	65.54
			<i>For &gt;50 To 100, Deduct</i>	-27.52	
			<i>For &gt;100, Deduct</i>	-39.64	
08 14 16 00-0169	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	518.55	65.54
			<i>For &gt;50 To 100, Deduct</i>	-29.20	
			<i>For &gt;100, Deduct</i>	-42.17	
08 14 16 00-0170	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	337.10	57.67
			<i>For &gt;50 To 100, Deduct</i>	-19.74	
			<i>For &gt;100, Deduct</i>	-28.17	
08 14 16 00-0171	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	337.11	57.67
			<i>For &gt;50 To 100, Deduct</i>	-19.74	
			<i>For &gt;100, Deduct</i>	-28.17	
08 14 16 00-0172	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	350.67	60.30
			<i>For &gt;50 To 100, Deduct</i>	-20.55	
			<i>For &gt;100, Deduct</i>	-29.32	
08 14 16 00-0173	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	353.79	60.30
			<i>For &gt;50 To 100, Deduct</i>	-20.70	
			<i>For &gt;100, Deduct</i>	-29.55	
08 14 16 00-0174	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	360.62	60.30
			<i>For &gt;50 To 100, Deduct</i>	-21.05	
			<i>For &gt;100, Deduct</i>	-30.06	
08 14 16 00-0175	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	372.67	62.92
			<i>For &gt;50 To 100, Deduct</i>	-21.78	
			<i>For &gt;100, Deduct</i>	-31.10	
08 14 16 00-0176	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	408.88	62.92
			<i>For &gt;50 To 100, Deduct</i>	-23.59	
			<i>For &gt;100, Deduct</i>	-33.81	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0177	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	487.59	65.54
			For >50 To 100, Deduct	-27.66	
			For >100, Deduct	-39.85	
08 14 16 00-0178	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	505.44	65.54
			For >50 To 100, Deduct	-28.55	
			For >100, Deduct	-41.19	
08 14 16 00-0179	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	541.10	65.54
			For >50 To 100, Deduct	-30.33	
			For >100, Deduct	-43.86	
08 14 16 00-0180	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	380.33	57.67
			For >50 To 100, Deduct	-21.90	
			For >100, Deduct	-31.41	
			For 9' Door Height, Add	55.64	
08 14 16 00-0181	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	380.36	57.67
			For >50 To 100, Deduct	-21.90	
			For >100, Deduct	-31.41	
			For 9' Door Height, Add	55.65	
08 14 16 00-0182	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	395.54	60.30
			For >50 To 100, Deduct	-22.79	
			For >100, Deduct	-32.68	
			For 9' Door Height, Add	57.74	
08 14 16 00-0183	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	399.26	60.30
			For >50 To 100, Deduct	-22.98	
			For >100, Deduct	-32.96	
			For 9' Door Height, Add	58.52	
08 14 16 00-0184	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	407.42	60.30
			For >50 To 100, Deduct	-23.39	
			For >100, Deduct	-33.57	
			For 9' Door Height, Add	60.23	
08 14 16 00-0185	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	420.81	62.92
			For >50 To 100, Deduct	-24.19	
			For >100, Deduct	-34.71	
			For 9' Door Height, Add	61.94	
08 14 16 00-0186	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	464.09	62.92
			For >50 To 100, Deduct	-26.35	
			For >100, Deduct	-37.95	
			For 9' Door Height, Add	71.03	
08 14 16 00-0187	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	557.11	65.54
			For >50 To 100, Deduct	-31.13	
			For >100, Deduct	-45.06	
			For 9' Door Height, Add	89.47	
08 14 16 00-0188	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	578.45	65.54
			For >50 To 100, Deduct	-32.20	
			For >100, Deduct	-46.66	
			For 9' Door Height, Add	93.95	
08 14 16 00-0189	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	621.06	65.54
			For >50 To 100, Deduct	-34.33	
			For >100, Deduct	-49.86	
			For 9' Door Height, Add	102.90	
<b>08 14 16 00-0190</b>			<b>Maple Faced Wood Doors</b> (08 14 16 00-0127)		
08 14 16 00-0191	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	366.82	57.67
			For >50 To 100, Deduct	-21.23	
			For >100, Deduct	-30.40	
08 14 16 00-0192	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	366.82	57.67
			For >50 To 100, Deduct	-21.23	
			For >100, Deduct	-30.40	
08 14 16 00-0193	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	381.50	60.30
			For >50 To 100, Deduct	-22.09	
			For >100, Deduct	-31.63	
08 14 16 00-0194	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	385.19	60.30
			For >50 To 100, Deduct	-22.27	
			For >100, Deduct	-31.90	
08 14 16 00-0195	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	392.86	60.30
			For >50 To 100, Deduct	-22.66	
			For >100, Deduct	-32.48	
08 14 16 00-0196	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	405.74	62.92
			For >50 To 100, Deduct	-23.43	
			For >100, Deduct	-33.58	
08 14 16 00-0197	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	446.81	62.92
			For >50 To 100, Deduct	-25.49	
			For >100, Deduct	-36.66	
08 14 16 00-0198	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	515.26	65.54
			For >50 To 100, Deduct	-29.04	
			For >100, Deduct	-41.92	
08 14 16 00-0199	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	555.59	65.54
			For >50 To 100, Deduct	-31.06	
			For >100, Deduct	-44.95	
08 14 16 00-0200	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	596.04	65.54
			For >50 To 100, Deduct	-33.08	
			For >100, Deduct	-47.98	
08 14 16 00-0201	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	381.46	57.67
			For >50 To 100, Deduct	-21.96	
			For >100, Deduct	-31.49	
08 14 16 00-0202	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	381.46	57.67
			For >50 To 100, Deduct	-21.96	
			For >100, Deduct	-31.49	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0203	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	396.68	60.30
			<i>For &gt;50 To 100, Deduct</i>	-22.85	
			<i>For &gt;100, Deduct</i>	-32.77	
08 14 16 00-0204	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	400.60	60.30
			<i>For &gt;50 To 100, Deduct</i>	-23.04	
			<i>For &gt;100, Deduct</i>	-33.06	
08 14 16 00-0205	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	408.69	60.30
			<i>For &gt;50 To 100, Deduct</i>	-23.45	
			<i>For &gt;100, Deduct</i>	-33.67	
08 14 16 00-0206	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	422.02	62.92
			<i>For &gt;50 To 100, Deduct</i>	-24.25	
			<i>For &gt;100, Deduct</i>	-34.80	
08 14 16 00-0207	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	465.48	62.92
			<i>For &gt;50 To 100, Deduct</i>	-26.42	
			<i>For &gt;100, Deduct</i>	-38.06	
08 14 16 00-0208	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	537.52	65.54
			<i>For &gt;50 To 100, Deduct</i>	-30.15	
			<i>For &gt;100, Deduct</i>	-43.59	
08 14 16 00-0209	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	580.32	65.54
			<i>For &gt;50 To 100, Deduct</i>	-32.29	
			<i>For &gt;100, Deduct</i>	-46.80	
08 14 16 00-0210	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	623.09	65.54
			<i>For &gt;50 To 100, Deduct</i>	-34.43	
			<i>For &gt;100, Deduct</i>	-50.01	
08 14 16 00-0211	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	433.35	57.67
			<i>For &gt;50 To 100, Deduct</i>	-24.55	
			<i>For &gt;100, Deduct</i>	-35.39	
			<i>For 9' Door Height, Add</i>	66.78	
08 14 16 00-0212	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	433.35	57.67
			<i>For &gt;50 To 100, Deduct</i>	-24.55	
			<i>For &gt;100, Deduct</i>	-35.39	
			<i>For 9' Door Height, Add</i>	66.78	
08 14 16 00-0213	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	450.51	60.30
			<i>For &gt;50 To 100, Deduct</i>	-25.54	
			<i>For &gt;100, Deduct</i>	-36.80	
			<i>For 9' Door Height, Add</i>	69.28	
08 14 16 00-0214	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	455.20	60.30
			<i>For &gt;50 To 100, Deduct</i>	-25.77	
			<i>For &gt;100, Deduct</i>	-37.15	
			<i>For 9' Door Height, Add</i>	70.27	
08 14 16 00-0215	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	464.84	60.30
			<i>For &gt;50 To 100, Deduct</i>	-26.26	
			<i>For &gt;100, Deduct</i>	-37.88	
			<i>For 9' Door Height, Add</i>	72.29	
08 14 16 00-0216	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	479.78	62.92
			<i>For &gt;50 To 100, Deduct</i>	-27.14	
			<i>For &gt;100, Deduct</i>	-39.13	
			<i>For 9' Door Height, Add</i>	74.33	
08 14 16 00-0217	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	531.70	62.92
			<i>For &gt;50 To 100, Deduct</i>	-29.73	
			<i>For &gt;100, Deduct</i>	-43.02	
			<i>For 9' Door Height, Add</i>	85.23	
08 14 16 00-0218	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	616.80	65.54
			<i>For &gt;50 To 100, Deduct</i>	-34.12	
			<i>For &gt;100, Deduct</i>	-49.54	
			<i>For 9' Door Height, Add</i>	102.00	
08 14 16 00-0219	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	667.92	65.54
			<i>For &gt;50 To 100, Deduct</i>	-36.67	
			<i>For &gt;100, Deduct</i>	-53.37	
			<i>For 9' Door Height, Add</i>	112.74	
08 14 16 00-0220	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	719.07	65.54
			<i>For &gt;50 To 100, Deduct</i>	-39.23	
			<i>For &gt;100, Deduct</i>	-57.21	
			<i>For 9' Door Height, Add</i>	123.48	
<b>08 14 16 00-0221</b>			<b>Walnut Faced Wood Doors</b> <small>(08 14 16 00-0127)</small>		
08 14 16 00-0222	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	399.24	57.67
			<i>For &gt;50 To 100, Deduct</i>	-22.85	
			<i>For &gt;100, Deduct</i>	-32.83	
08 14 16 00-0223	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	399.24	57.67
			<i>For &gt;50 To 100, Deduct</i>	-22.85	
			<i>For &gt;100, Deduct</i>	-32.83	
08 14 16 00-0224	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	406.45	60.30
			<i>For &gt;50 To 100, Deduct</i>	-23.34	
			<i>For &gt;100, Deduct</i>	-33.50	
08 14 16 00-0225	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	419.04	60.30
			<i>For &gt;50 To 100, Deduct</i>	-23.97	
			<i>For &gt;100, Deduct</i>	-34.44	
08 14 16 00-0226	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	420.96	60.30
			<i>For &gt;50 To 100, Deduct</i>	-24.06	
			<i>For &gt;100, Deduct</i>	-34.59	
08 14 16 00-0227	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	428.13	62.92
			<i>For &gt;50 To 100, Deduct</i>	-24.55	
			<i>For &gt;100, Deduct</i>	-35.26	
08 14 16 00-0228	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	461.87	62.92
			<i>For &gt;50 To 100, Deduct</i>	-26.24	
			<i>For &gt;100, Deduct</i>	-37.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0229	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	554.22 -30.99 -44.84	65.54
08 14 16 00-0230	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	575.37 -32.05 -46.43	65.54
08 14 16 00-0231	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	617.72 -34.16 -49.61	65.54
08 14 16 00-0232	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	415.76 -23.67 -34.07	57.67
08 14 16 00-0233	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	415.76 -23.67 -34.07	57.67
08 14 16 00-0234	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	423.09 -24.17 -34.75	60.30
08 14 16 00-0235	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	436.39 -24.83 -35.74	60.30
08 14 16 00-0236	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	438.45 -24.94 -35.90	60.30
08 14 16 00-0237	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	445.73 -25.43 -36.58	62.92
08 14 16 00-0238	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	481.42 -27.22 -39.25	62.92
08 14 16 00-0239	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	578.84 -32.22 -46.69	65.54
08 14 16 00-0240	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	601.23 -33.34 -48.37	65.54
08 14 16 00-0241	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	646.03 -35.58 -51.73	65.54
08 14 16 00-0242	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	474.33 -26.60 -38.46 75.38	57.67
08 14 16 00-0243	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	474.33 -26.60 -38.46 75.38	57.67
08 14 16 00-0244	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	482.09 -27.12 -39.17 75.92	60.30
08 14 16 00-0245	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	497.98 -27.91 -40.36 79.25	60.30
08 14 16 00-0246	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	500.42 -28.04 -40.55 79.76	60.30
08 14 16 00-0247	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	508.10 -28.55 -41.25 80.27	62.92
08 14 16 00-0248	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	550.77 -30.68 -44.45 89.24	62.92
08 14 16 00-0249	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	666.16 -36.59 -53.24 112.37	65.54
08 14 16 00-0250	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	692.92 -37.92 -55.25 117.99	65.54
08 14 16 00-0251	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	746.44 -40.60 -59.26 129.23	65.54
<b>08 14 16 00-0252</b>			<b>Lauan Faced Wood Doors</b> <small>(08 14 16 00-0127)</small>		
08 14 16 00-0253	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	236.39 -14.70 -20.61	57.67
08 14 16 00-0254	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	236.39 -14.70 -20.61	57.67

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0255	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	249.94	60.30
			For >50 To 100, Deduct	-15.51	
			For >100, Deduct	-21.76	
08 14 16 00-0256	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	256.71	60.30
			For >50 To 100, Deduct	-15.85	
			For >100, Deduct	-22.27	
08 14 16 00-0257	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	258.05	60.30
			For >50 To 100, Deduct	-15.92	
			For >100, Deduct	-22.37	
08 14 16 00-0258	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	264.65	62.92
			For >50 To 100, Deduct	-16.38	
			For >100, Deduct	-22.99	
08 14 16 00-0259	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	279.90	62.92
			For >50 To 100, Deduct	-17.14	
			For >100, Deduct	-24.14	
08 14 16 00-0260	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	304.81	65.54
			For >50 To 100, Deduct	-18.52	
			For >100, Deduct	-26.14	
08 14 16 00-0261	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	313.48	65.54
			For >50 To 100, Deduct	-18.95	
			For >100, Deduct	-26.79	
08 14 16 00-0262	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	330.86	65.54
			For >50 To 100, Deduct	-19.82	
			For >100, Deduct	-28.09	
08 14 16 00-0263	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	243.42	57.67
			For >50 To 100, Deduct	-15.06	
			For >100, Deduct	-21.14	
08 14 16 00-0264	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	243.42	57.67
			For >50 To 100, Deduct	-15.06	
			For >100, Deduct	-21.14	
08 14 16 00-0265	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	257.47	60.30
			For >50 To 100, Deduct	-15.89	
			For >100, Deduct	-22.33	
08 14 16 00-0266	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	264.64	60.30
			For >50 To 100, Deduct	-16.25	
			For >100, Deduct	-22.86	
08 14 16 00-0267	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	266.06	60.30
			For >50 To 100, Deduct	-16.32	
			For >100, Deduct	-22.97	
08 14 16 00-0268	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	272.72	62.92
			For >50 To 100, Deduct	-16.78	
			For >100, Deduct	-23.60	
08 14 16 00-0269	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	288.87	62.92
			For >50 To 100, Deduct	-17.59	
			For >100, Deduct	-24.81	
08 14 16 00-0270	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	314.91	65.54
			For >50 To 100, Deduct	-19.02	
			For >100, Deduct	-26.90	
08 14 16 00-0271	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	324.09	65.54
			For >50 To 100, Deduct	-19.48	
			For >100, Deduct	-27.58	
08 14 16 00-0272	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	342.48	65.54
			For >50 To 100, Deduct	-20.40	
			For >100, Deduct	-28.96	
08 14 16 00-0273	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	268.39	57.67
			For >50 To 100, Deduct	-16.30	
			For >100, Deduct	-23.01	
			For 9' Door Height, Add	32.14	
08 14 16 00-0274	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	268.39	57.67
			For >50 To 100, Deduct	-16.30	
			For >100, Deduct	-23.01	
			For 9' Door Height, Add	32.14	
08 14 16 00-0275	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	284.16	60.30
			For >50 To 100, Deduct	-17.22	
			For >100, Deduct	-24.33	
			For 9' Door Height, Add	34.35	
08 14 16 00-0276	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	292.72	60.30
			For >50 To 100, Deduct	-17.65	
			For >100, Deduct	-24.97	
			For 9' Door Height, Add	36.15	
08 14 16 00-0277	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	294.43	60.30
			For >50 To 100, Deduct	-17.74	
			For >100, Deduct	-25.10	
			For 9' Door Height, Add	36.51	
08 14 16 00-0278	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	301.36	62.92
			For >50 To 100, Deduct	-18.21	
			For >100, Deduct	-25.75	
			For 9' Door Height, Add	36.86	
08 14 16 00-0279	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	320.67	62.92
			For >50 To 100, Deduct	-19.18	
			For >100, Deduct	-27.20	
			For 9' Door Height, Add	40.91	
08 14 16 00-0280	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	350.75	65.54
			For >50 To 100, Deduct	-20.81	
			For >100, Deduct	-29.58	
			For 9' Door Height, Add	46.13	
08 14 16 00-0281	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	361.73	65.54
			For >50 To 100, Deduct	-21.36	
			For >100, Deduct	-30.41	
			For 9' Door Height, Add	48.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0282	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Luan Faced Wood Door.....	383.70	65.54
			<i>For &gt;50 To 100, Deduct</i>	-22.46	
			<i>For &gt;100, Deduct</i>	-32.05	
			<i>For 9' Door Height, Add</i>	53.05	
<b>08 14 16 00-0283 Medium Density Overlay (MDO) Faced Wood Doors <small>(08 14 16 00-0127)</small></b>					
08 14 16 00-0284	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	237.26	57.67
			<i>For &gt;50 To 100, Deduct</i>	-14.75	
			<i>For &gt;100, Deduct</i>	-20.68	
08 14 16 00-0285	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	237.28	57.67
			<i>For &gt;50 To 100, Deduct</i>	-14.75	
			<i>For &gt;100, Deduct</i>	-20.68	
08 14 16 00-0286	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	245.88	60.30
			<i>For &gt;50 To 100, Deduct</i>	-15.31	
			<i>For &gt;100, Deduct</i>	-21.46	
08 14 16 00-0287	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	252.68	60.30
			<i>For &gt;50 To 100, Deduct</i>	-15.65	
			<i>For &gt;100, Deduct</i>	-21.97	
08 14 16 00-0288	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	256.08	60.30
			<i>For &gt;50 To 100, Deduct</i>	-15.82	
			<i>For &gt;100, Deduct</i>	-22.22	
08 14 16 00-0289	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	264.67	62.92
			<i>For &gt;50 To 100, Deduct</i>	-16.38	
			<i>For &gt;100, Deduct</i>	-23.00	
08 14 16 00-0290	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	272.42	62.92
			<i>For &gt;50 To 100, Deduct</i>	-16.77	
			<i>For &gt;100, Deduct</i>	-23.58	
08 14 16 00-0291	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	302.84	65.54
			<i>For &gt;50 To 100, Deduct</i>	-18.42	
			<i>For &gt;100, Deduct</i>	-25.99	
08 14 16 00-0292	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	311.42	65.54
			<i>For &gt;50 To 100, Deduct</i>	-18.85	
			<i>For &gt;100, Deduct</i>	-26.63	
08 14 16 00-0293	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	328.62	65.54
			<i>For &gt;50 To 100, Deduct</i>	-19.71	
			<i>For &gt;100, Deduct</i>	-27.92	
08 14 16 00-0294	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	244.36	57.67
			<i>For &gt;50 To 100, Deduct</i>	-15.10	
			<i>For &gt;100, Deduct</i>	-21.21	
08 14 16 00-0295	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	244.37	57.67
			<i>For &gt;50 To 100, Deduct</i>	-15.10	
			<i>For &gt;100, Deduct</i>	-21.21	
08 14 16 00-0296	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	253.17	60.30
			<i>For &gt;50 To 100, Deduct</i>	-15.67	
			<i>For &gt;100, Deduct</i>	-22.00	
08 14 16 00-0297	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	260.36	60.30
			<i>For &gt;50 To 100, Deduct</i>	-16.03	
			<i>For &gt;100, Deduct</i>	-22.54	
08 14 16 00-0298	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	263.95	60.30
			<i>For &gt;50 To 100, Deduct</i>	-16.21	
			<i>For &gt;100, Deduct</i>	-22.81	
08 14 16 00-0299	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	272.76	62.92
			<i>For &gt;50 To 100, Deduct</i>	-16.78	
			<i>For &gt;100, Deduct</i>	-23.60	
08 14 16 00-0300	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	280.96	62.92
			<i>For &gt;50 To 100, Deduct</i>	-17.19	
			<i>For &gt;100, Deduct</i>	-24.22	
08 14 16 00-0301	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	312.84	65.54
			<i>For &gt;50 To 100, Deduct</i>	-18.92	
			<i>For &gt;100, Deduct</i>	-26.74	
08 14 16 00-0302	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	321.93	65.54
			<i>For &gt;50 To 100, Deduct</i>	-19.37	
			<i>For &gt;100, Deduct</i>	-27.42	
08 14 16 00-0303	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	340.11	65.54
			<i>For &gt;50 To 100, Deduct</i>	-20.28	
			<i>For &gt;100, Deduct</i>	-28.79	
08 14 16 00-0304	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	269.52	57.67
			<i>For &gt;50 To 100, Deduct</i>	-16.36	
			<i>For &gt;100, Deduct</i>	-23.10	
			<i>For 9' Door Height, Add</i>	32.37	
08 14 16 00-0305	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	269.52	57.67
			<i>For &gt;50 To 100, Deduct</i>	-16.36	
			<i>For &gt;100, Deduct</i>	-23.10	
			<i>For 9' Door Height, Add</i>	32.37	
08 14 16 00-0306	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	279.02	60.30
			<i>For &gt;50 To 100, Deduct</i>	-16.97	
			<i>For &gt;100, Deduct</i>	-23.94	
			<i>For 9' Door Height, Add</i>	33.27	
08 14 16 00-0307	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	287.61	60.30
			<i>For &gt;50 To 100, Deduct</i>	-17.40	
			<i>For &gt;100, Deduct</i>	-24.59	
			<i>For 9' Door Height, Add</i>	35.07	
08 14 16 00-0308	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	291.90	60.30
			<i>For &gt;50 To 100, Deduct</i>	-17.61	
			<i>For &gt;100, Deduct</i>	-24.91	
			<i>For 9' Door Height, Add</i>	35.98	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0309	EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	301.42 -18.22 -25.75 36.87	62.92
08 14 16 00-0310	EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	311.21 -18.71 -26.49 38.93	62.92
08 14 16 00-0311	EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	348.30 -20.69 -29.40 45.62	65.54
08 14 16 00-0312	EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	359.15 -21.23 -30.21 47.89	65.54
08 14 16 00-0313	EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	380.88 -22.32 -31.84 52.46	65.54
08 14 16 00-0314	<b>1-3/8" Thick, Particleboard Core (PC), Wood Doors</b> <small>(08 14 16)</small> Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 16 00-0315	<b>Birch Faced Wood Doors</b> <small>(08 14 16 00-0314)</small>		
08 14 16 00-0316	EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	277.58 -3.24 121.67 73.00 -16.76 -23.70	57.67
08 14 16 00-0317	EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	277.61 -3.25 121.69 73.01 -16.76 -23.70	57.67
08 14 16 00-0318	EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	291.35 -3.42 128.07 76.84 -17.58 -24.87	60.30
08 14 16 00-0319	EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	299.85 -3.59 134.45 80.67 -18.01 -25.50	60.30
08 14 16 00-0320	EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	305.04 -3.69 138.34 83.00 -18.27 -25.89	60.30
08 14 16 00-0321	EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	315.51 -3.79 142.25 85.35 -18.92 -26.81	62.92
08 14 16 00-0322	EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	336.31 -4.21 157.85 94.71 -19.96 -28.37	62.92
08 14 16 00-0323	EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	355.01 -4.48 167.95 100.77 -21.03 -29.90	65.54
08 14 16 00-0324	EA 2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	287.03 -3.43 128.75 77.25 -17.24 -24.41	57.67
08 14 16 00-0325	EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	287.04 -3.43 128.76 77.26 -17.24 -24.41	57.67

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0326 EA 2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	301.28 -3.61 135.52 81.31 -18.08 -25.61	60.30
08 14 16 00-0327 EA 2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	310.30 -3.79 142.28 85.37 -18.53 -26.29	60.30
08 14 16 00-0328 EA 2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	315.79 -3.90 146.40 87.84 -18.80 -26.70	60.30
08 14 16 00-0329 EA 3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	326.54 -4.01 150.53 90.32 -19.47 -27.64	62.92
08 14 16 00-0330 EA 3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	348.57 -4.45 167.05 100.23 -20.57 -29.29	62.92
08 14 16 00-0331 EA 3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	368.05 -4.74 177.73 106.64 -21.68 -30.88	65.54
08 14 16 00-0332 EA 2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	320.51 -4.10 153.86 92.32 -18.91 -26.92 43.08	57.67
08 14 16 00-0333 EA 2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	320.51 -4.10 153.86 92.32 -18.91 -26.92 43.08	57.67
08 14 16 00-0334 EA 2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	336.52 -4.32 161.95 97.17 -19.84 -28.25 45.35	60.30
08 14 16 00-0335 EA 2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	347.29 -4.53 170.03 102.02 -20.38 -29.06 47.61	60.30
08 14 16 00-0336 EA 2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	353.85 -4.67 174.95 104.97 -20.71 -29.55 48.98	60.30
08 14 16 00-0337 EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	365.68 -4.80 179.88 107.93 -21.43 -30.57 50.37	62.92
08 14 16 00-0338 EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	392.00 -5.32 199.62 119.77 -22.75 -32.55 55.89	62.92

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0339	EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	414.25 -5.66 212.38 127.43 -23.99 -34.35 59.47	65.54
<b>08 14 16 00-0340 Oak Faced Wood Doors</b> <small>(08 14 16 00-0314)</small>			
08 14 16 00-0341	EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	315.54 -4.00 150.14 90.08 -18.66 -26.55	57.67
08 14 16 00-0342	EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	315.54 -4.00 150.14 90.08 -18.66 -26.55	57.67
08 14 16 00-0343	EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	331.30 -4.21 158.03 94.82 -19.58 -27.86	60.30
08 14 16 00-0344	EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	341.81 -4.42 165.92 99.55 -20.11 -28.65	60.30
08 14 16 00-0345	EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	348.21 -4.55 170.72 102.43 -20.43 -29.13	60.30
08 14 16 00-0346	EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	359.89 -4.68 175.54 105.32 -21.14 -30.14	62.92
08 14 16 00-0347	EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	385.57 -5.19 194.80 116.88 -22.42 -32.06	62.92
08 14 16 00-0348	EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	407.40 -5.53 207.24 124.34 -23.65 -33.83	65.54
08 14 16 00-0349	EA 2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	327.18 -4.24 158.87 95.32 -19.24 -27.42	57.67
08 14 16 00-0350	EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	327.18 -4.24 158.87 95.32 -19.24 -27.42	57.67
08 14 16 00-0351	EA 2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	343.58 -4.46 167.24 100.35 -20.19 -28.78	60.30
08 14 16 00-0352	EA 2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	354.69 -4.68 175.58 105.35 -20.75 -29.62	60.30
08 14 16 00-0353	EA 2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	361.46 -4.82 180.65 108.39 -21.09 -30.12	60.30



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 16 00-0354	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	373.51		62.92
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.95		
		<i>For Stave Lumber Core (SLC), Add</i>	185.75		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	111.45		
		<i>For &gt;50 To 100, Deduct</i>	-21.82		
		<i>For &gt;100, Deduct</i>	-31.16		
08 14 16 00-0355	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	400.69		62.92
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.50		
		<i>For Stave Lumber Core (SLC), Add</i>	206.14		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	123.68		
		<i>For &gt;50 To 100, Deduct</i>	-23.18		
		<i>For &gt;100, Deduct</i>	-33.20		
08 14 16 00-0356	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	423.50		65.54
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.85		
		<i>For Stave Lumber Core (SLC), Add</i>	219.32		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	131.59		
		<i>For &gt;50 To 100, Deduct</i>	-24.45		
		<i>For &gt;100, Deduct</i>	-35.04		
08 14 16 00-0357	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	368.48		57.67
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.06		
		<i>For Stave Lumber Core (SLC), Add</i>	189.84		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	113.90		
		<i>For &gt;50 To 100, Deduct</i>	-21.31		
		<i>For &gt;100, Deduct</i>	-30.52		
		<i>For 9' Door Height, Add</i>	53.16		
08 14 16 00-0358	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	368.48		57.67
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.06		
		<i>For Stave Lumber Core (SLC), Add</i>	189.84		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	113.90		
		<i>For &gt;50 To 100, Deduct</i>	-21.31		
		<i>For &gt;100, Deduct</i>	-30.52		
		<i>For 9' Door Height, Add</i>	53.16		
08 14 16 00-0359	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	387.06		60.30
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.33		
		<i>For Stave Lumber Core (SLC), Add</i>	199.85		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	119.91		
		<i>For &gt;50 To 100, Deduct</i>	-22.37		
		<i>For &gt;100, Deduct</i>	-32.04		
		<i>For 9' Door Height, Add</i>	55.96		
08 14 16 00-0360	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	400.34		60.30
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.60		
		<i>For Stave Lumber Core (SLC), Add</i>	209.81		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	125.89		
		<i>For &gt;50 To 100, Deduct</i>	-23.03		
		<i>For &gt;100, Deduct</i>	-33.04		
		<i>For 9' Door Height, Add</i>	58.75		
08 14 16 00-0361	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	408.42		60.30
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.76		
		<i>For Stave Lumber Core (SLC), Add</i>	215.87		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	129.52		
		<i>For &gt;50 To 100, Deduct</i>	-23.44		
		<i>For &gt;100, Deduct</i>	-33.65		
		<i>For 9' Door Height, Add</i>	60.44		
08 14 16 00-0362	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	421.81		62.92
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.92		
		<i>For Stave Lumber Core (SLC), Add</i>	221.98		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	133.19		
		<i>For &gt;50 To 100, Deduct</i>	-24.24		
		<i>For &gt;100, Deduct</i>	-34.78		
		<i>For 9' Door Height, Add</i>	62.15		
08 14 16 00-0363	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	454.29		62.92
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.57		
		<i>For Stave Lumber Core (SLC), Add</i>	246.34		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	147.80		
		<i>For &gt;50 To 100, Deduct</i>	-25.86		
		<i>For &gt;100, Deduct</i>	-37.22		
		<i>For 9' Door Height, Add</i>	68.97		
08 14 16 00-0364	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	480.52		65.54
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.99		
		<i>For Stave Lumber Core (SLC), Add</i>	262.08		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	157.25		
		<i>For &gt;50 To 100, Deduct</i>	-27.30		
		<i>For &gt;100, Deduct</i>	-39.32		
		<i>For 9' Door Height, Add</i>	73.38		
<b>08 14 16 00-0365 Maple Faced Wood Doors (08 14 16 00-0314)</b>					
08 14 16 00-0366	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	355.57		57.67
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.80		
		<i>For Stave Lumber Core (SLC), Add</i>	180.16		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	108.09		
		<i>For &gt;50 To 100, Deduct</i>	-20.66		
		<i>For &gt;100, Deduct</i>	-29.55		
08 14 16 00-0367	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	355.57		57.67
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.80		
		<i>For Stave Lumber Core (SLC), Add</i>	180.16		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	108.09		
		<i>For &gt;50 To 100, Deduct</i>	-20.66		
		<i>For &gt;100, Deduct</i>	-29.55		

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0368	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	373.44	60.30
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.06	
			<i>For Stave Lumber Core (SLC), Add</i>	189.64	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	113.78	
			<i>For &gt;50 To 100, Deduct</i>	-21.69	
			<i>For &gt;100, Deduct</i>	-31.02	
08 14 16 00-0369	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	386.06	60.30
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.31	
			<i>For Stave Lumber Core (SLC), Add</i>	199.10	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	119.46	
			<i>For &gt;50 To 100, Deduct</i>	-22.32	
			<i>For &gt;100, Deduct</i>	-31.97	
08 14 16 00-0370	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	393.73	60.30
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.46	
			<i>For Stave Lumber Core (SLC), Add</i>	204.86	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	122.91	
			<i>For &gt;50 To 100, Deduct</i>	-22.70	
			<i>For &gt;100, Deduct</i>	-32.54	
08 14 16 00-0371	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	406.69	62.92
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.62	
			<i>For Stave Lumber Core (SLC), Add</i>	210.64	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	126.38	
			<i>For &gt;50 To 100, Deduct</i>	-23.48	
			<i>For &gt;100, Deduct</i>	-33.65	
08 14 16 00-0372	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	437.51	62.92
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.23	
			<i>For Stave Lumber Core (SLC), Add</i>	233.75	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	140.25	
			<i>For &gt;50 To 100, Deduct</i>	-25.02	
			<i>For &gt;100, Deduct</i>	-35.96	
08 14 16 00-0373	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	462.66	65.54
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.63	
			<i>For Stave Lumber Core (SLC), Add</i>	248.69	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	149.21	
			<i>For &gt;50 To 100, Deduct</i>	-26.41	
			<i>For &gt;100, Deduct</i>	-37.98	
08 14 16 00-0374	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	369.53	57.67
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.08	
			<i>For Stave Lumber Core (SLC), Add</i>	190.63	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	114.38	
			<i>For &gt;50 To 100, Deduct</i>	-21.36	
			<i>For &gt;100, Deduct</i>	-30.60	
08 14 16 00-0375	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	369.53	57.67
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.08	
			<i>For Stave Lumber Core (SLC), Add</i>	190.63	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	114.38	
			<i>For &gt;50 To 100, Deduct</i>	-21.36	
			<i>For &gt;100, Deduct</i>	-30.60	
08 14 16 00-0376	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	388.17	60.30
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.35	
			<i>For Stave Lumber Core (SLC), Add</i>	200.69	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	120.41	
			<i>For &gt;50 To 100, Deduct</i>	-22.42	
			<i>For &gt;100, Deduct</i>	-32.13	
08 14 16 00-0377	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	401.52	60.30
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.62	
			<i>For Stave Lumber Core (SLC), Add</i>	210.70	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	126.42	
			<i>For &gt;50 To 100, Deduct</i>	-23.09	
			<i>For &gt;100, Deduct</i>	-33.13	
08 14 16 00-0378	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	409.63	60.30
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.78	
			<i>For Stave Lumber Core (SLC), Add</i>	216.78	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	130.07	
			<i>For &gt;50 To 100, Deduct</i>	-23.50	
			<i>For &gt;100, Deduct</i>	-33.74	
08 14 16 00-0379	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	423.05	62.92
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.94	
			<i>For Stave Lumber Core (SLC), Add</i>	222.91	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	133.74	
			<i>For &gt;50 To 100, Deduct</i>	-24.30	
			<i>For &gt;100, Deduct</i>	-34.87	
08 14 16 00-0380	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	455.66	62.92
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.60	
			<i>For Stave Lumber Core (SLC), Add</i>	247.37	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	148.42	
			<i>For &gt;50 To 100, Deduct</i>	-25.93	
			<i>For &gt;100, Deduct</i>	-37.32	
08 14 16 00-0381	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	481.97	65.54
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.02	
			<i>For Stave Lumber Core (SLC), Add</i>	263.17	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	157.90	
			<i>For &gt;50 To 100, Deduct</i>	-27.38	
			<i>For &gt;100, Deduct</i>	-39.42	
08 14 16 00-0382	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	419.10	57.67
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.07	
			<i>For Stave Lumber Core (SLC), Add</i>	227.81	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	136.68	
			<i>For &gt;50 To 100, Deduct</i>	-23.84	
			<i>For &gt;100, Deduct</i>	-34.32	
			<i>For 9' Door Height, Add</i>	63.79	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0383 EA 2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	419.10	57.67
For 7 Ply Cold Press Construction, Deduct	-6.07	
For Stave Lumber Core (SLC), Add	227.81	
For Structural Composite Lumber Core (SCLC), Add	136.68	
For >50 To 100, Deduct	-23.84	
For >100, Deduct	-34.32	
For 9' Door Height, Add	63.79	
08 14 16 00-0384 EA 2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	440.35	60.30
For 7 Ply Cold Press Construction, Deduct	-6.40	
For Stave Lumber Core (SLC), Add	239.82	
For Structural Composite Lumber Core (SCLC), Add	143.89	
For >50 To 100, Deduct	-25.03	
For >100, Deduct	-36.04	
For 9' Door Height, Add	67.15	
08 14 16 00-0385 EA 2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	456.28	60.30
For 7 Ply Cold Press Construction, Deduct	-6.71	
For Stave Lumber Core (SLC), Add	251.77	
For Structural Composite Lumber Core (SCLC), Add	151.06	
For >50 To 100, Deduct	-25.83	
For >100, Deduct	-37.24	
For 9' Door Height, Add	70.49	
08 14 16 00-0386 EA 2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	466.00	60.30
For 7 Ply Cold Press Construction, Deduct	-6.91	
For Stave Lumber Core (SLC), Add	259.06	
For Structural Composite Lumber Core (SCLC), Add	155.43	
For >50 To 100, Deduct	-26.31	
For >100, Deduct	-37.96	
For 9' Door Height, Add	72.54	
08 14 16 00-0387 EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	481.00	62.92
For 7 Ply Cold Press Construction, Deduct	-7.10	
For Stave Lumber Core (SLC), Add	266.37	
For Structural Composite Lumber Core (SCLC), Add	159.82	
For >50 To 100, Deduct	-27.20	
For >100, Deduct	-39.22	
For 9' Door Height, Add	74.58	
08 14 16 00-0388 EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	519.98	62.92
For 7 Ply Cold Press Construction, Deduct	-7.88	
For Stave Lumber Core (SLC), Add	295.61	
For Structural Composite Lumber Core (SCLC), Add	177.36	
For >50 To 100, Deduct	-29.15	
For >100, Deduct	-42.14	
For 9' Door Height, Add	82.77	
08 14 16 00-0389 EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	550.40	65.54
For 7 Ply Cold Press Construction, Deduct	-8.39	
For Stave Lumber Core (SLC), Add	314.49	
For Structural Composite Lumber Core (SCLC), Add	188.69	
For >50 To 100, Deduct	-30.80	
For >100, Deduct	-44.56	
For 9' Door Height, Add	88.06	
<b>08 14 16 00-0390 Lauan Faced Wood Doors</b> <small>(08 14 16 00-0314)</small>		
08 14 16 00-0391 EA 2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	236.18	57.67
For >50 To 100, Deduct	-14.69	
For >100, Deduct	-20.60	
08 14 16 00-0392 EA 2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	236.18	57.67
For >50 To 100, Deduct	-14.69	
For >100, Deduct	-20.60	
08 14 16 00-0393 EA 2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	248.02	60.30
For >50 To 100, Deduct	-15.42	
For >100, Deduct	-21.62	
08 14 16 00-0394 EA 2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	254.68	60.30
For >50 To 100, Deduct	-15.75	
For >100, Deduct	-22.12	
08 14 16 00-0395 EA 2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	258.03	60.30
For >50 To 100, Deduct	-15.92	
For >100, Deduct	-22.37	
08 14 16 00-0396 EA 3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	266.65	62.92
For >50 To 100, Deduct	-16.48	
For >100, Deduct	-23.14	
08 14 16 00-0397 EA 3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	282.11	62.92
For >50 To 100, Deduct	-17.25	
For >100, Deduct	-24.30	
08 14 16 00-0398 EA 3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	299.60	65.54
For >50 To 100, Deduct	-18.26	
For >100, Deduct	-25.75	
08 14 16 00-0399 EA 2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	243.21	57.67
For >50 To 100, Deduct	-15.04	
For >100, Deduct	-21.12	
08 14 16 00-0400 EA 2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	243.21	57.67
For >50 To 100, Deduct	-15.04	
For >100, Deduct	-21.12	
08 14 16 00-0401 EA 2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	255.45	60.30
For >50 To 100, Deduct	-15.79	
For >100, Deduct	-22.17	
08 14 16 00-0402 EA 2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	262.49	60.30
For >50 To 100, Deduct	-16.14	
For >100, Deduct	-22.70	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0403	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	266.03	60.30
			<i>For &gt;50 To 100, Deduct</i>	-16.32	
			<i>For &gt;100, Deduct</i>	-22.97	
08 14 16 00-0404	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	274.83	62.92
			<i>For &gt;50 To 100, Deduct</i>	-16.89	
			<i>For &gt;100, Deduct</i>	-23.76	
08 14 16 00-0405	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	291.22	62.92
			<i>For &gt;50 To 100, Deduct</i>	-17.71	
			<i>For &gt;100, Deduct</i>	-24.99	
08 14 16 00-0406	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	309.39	65.54
			<i>For &gt;50 To 100, Deduct</i>	-18.75	
			<i>For &gt;100, Deduct</i>	-26.48	
08 14 16 00-0407	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	268.15	57.67
			<i>For &gt;50 To 100, Deduct</i>	-16.29	
			<i>For &gt;100, Deduct</i>	-23.00	
			<i>For 9' Door Height, Add</i>	32.09	
08 14 16 00-0408	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	268.15	57.67
			<i>For &gt;50 To 100, Deduct</i>	-16.29	
			<i>For &gt;100, Deduct</i>	-23.00	
			<i>For 9' Door Height, Add</i>	32.09	
08 14 16 00-0409	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	281.73	60.30
			<i>For &gt;50 To 100, Deduct</i>	-17.10	
			<i>For &gt;100, Deduct</i>	-24.14	
			<i>For 9' Door Height, Add</i>	33.84	
08 14 16 00-0410	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	290.16	60.30
			<i>For &gt;50 To 100, Deduct</i>	-17.52	
			<i>For &gt;100, Deduct</i>	-24.78	
			<i>For 9' Door Height, Add</i>	35.61	
08 14 16 00-0411	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	294.40	60.30
			<i>For &gt;50 To 100, Deduct</i>	-17.73	
			<i>For &gt;100, Deduct</i>	-25.09	
			<i>For 9' Door Height, Add</i>	36.50	
08 14 16 00-0412	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	303.89	62.92
			<i>For &gt;50 To 100, Deduct</i>	-18.34	
			<i>For &gt;100, Deduct</i>	-25.94	
			<i>For 9' Door Height, Add</i>	37.39	
08 14 16 00-0413	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	323.46	62.92
			<i>For &gt;50 To 100, Deduct</i>	-19.32	
			<i>For &gt;100, Deduct</i>	-27.41	
			<i>For 9' Door Height, Add</i>	41.50	
08 14 16 00-0414	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	344.16	65.54
			<i>For &gt;50 To 100, Deduct</i>	-20.49	
			<i>For &gt;100, Deduct</i>	-29.09	
			<i>For 9' Door Height, Add</i>	44.75	
<b>08 14 16 00-0415</b>			<b>Medium Density Overlay (MDO) Faced Wood Doors</b> <small>(08 14 16 00-0314)</small>		
08 14 16 00-0416	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	251.80	57.67
			<i>For Stave Lumber Core (SLC), Add</i>	102.33	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	61.40	
			<i>For &gt;50 To 100, Deduct</i>	-15.47	
			<i>For &gt;100, Deduct</i>	-21.77	
08 14 16 00-0417	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	251.80	57.67
			<i>For Stave Lumber Core (SLC), Add</i>	102.33	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	61.40	
			<i>For &gt;50 To 100, Deduct</i>	-15.47	
			<i>For &gt;100, Deduct</i>	-21.77	
08 14 16 00-0418	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	264.95	60.30
			<i>For Stave Lumber Core (SLC), Add</i>	108.27	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	64.96	
			<i>For &gt;50 To 100, Deduct</i>	-16.26	
			<i>For &gt;100, Deduct</i>	-22.89	
08 14 16 00-0419	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	272.86	60.30
			<i>For Stave Lumber Core (SLC), Add</i>	114.20	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	68.52	
			<i>For &gt;50 To 100, Deduct</i>	-16.66	
			<i>For &gt;100, Deduct</i>	-23.48	
08 14 16 00-0420	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	274.30	60.30
			<i>For Stave Lumber Core (SLC), Add</i>	115.28	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	69.17	
			<i>For &gt;50 To 100, Deduct</i>	-16.73	
			<i>For &gt;100, Deduct</i>	-23.59	
08 14 16 00-0421	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	281.03	62.92
			<i>For Stave Lumber Core (SLC), Add</i>	116.39	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	69.84	
			<i>For &gt;50 To 100, Deduct</i>	-17.20	
			<i>For &gt;100, Deduct</i>	-24.22	
08 14 16 00-0422	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	298.15	62.92
			<i>For Stave Lumber Core (SLC), Add</i>	129.23	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	77.54	
			<i>For &gt;50 To 100, Deduct</i>	-18.05	
			<i>For &gt;100, Deduct</i>	-25.51	
08 14 16 00-0423	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	334.60	65.54
			<i>For Stave Lumber Core (SLC), Add</i>	152.64	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	91.58	
			<i>For &gt;50 To 100, Deduct</i>	-20.01	
			<i>For &gt;100, Deduct</i>	-28.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0424	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	259.74 108.29 64.97 -15.87 -22.36	57.67
08 14 16 00-0425	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	259.75 108.29 64.98 -15.87 -22.37	57.67
08 14 16 00-0426	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	273.36 114.58 68.75 -16.68 -23.52	60.30
08 14 16 00-0427	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	281.72 120.85 72.51 -17.10 -24.14	60.30
08 14 16 00-0428	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	283.26 122.00 73.20 -17.18 -24.26	60.30
08 14 16 00-0429	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	290.06 123.17 73.90 -17.65 -24.90	62.92
08 14 16 00-0430	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	308.18 136.76 82.05 -18.56 -26.26	62.92
08 14 16 00-0431	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	346.46 161.54 96.92 -20.60 -29.26	65.54
08 14 16 00-0432	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	287.88 129.39 77.63 -17.28 -24.48 36.23	57.67
08 14 16 00-0433	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	287.91 129.41 77.65 -17.28 -24.48 36.24	57.67
08 14 16 00-0434	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	303.15 136.92 82.15 -18.17 -25.75 38.34	60.30
08 14 16 00-0435	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	313.13 144.41 86.64 -18.67 -26.50 40.43	60.30
08 14 16 00-0436	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	314.97 145.79 87.47 -18.76 -26.64 40.82	60.30
08 14 16 00-0437	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	322.09 147.19 88.31 -19.25 -27.30 41.21	62.92
08 14 16 00-0438	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	343.74 163.43 98.06 -20.33 -28.93 45.76	62.92
08 14 16 00-0439	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	388.46 193.04 115.82 -22.70 -32.41 54.05	65.54

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0440	1-3/4" Thick, Particleboard Core (PC), Wood Doors <small>(08 14 16)</small> Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 16 00-0441	Birch Faced Wood Doors <small>(08 14 16 00-0440)</small>		
08 14 16 00-0442	EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	312.82 -3.95 148.10 88.86 23.70 106.63 148.10 236.95 -18.53 -26.35	57.67
08 14 16 00-0443	EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	312.82 -3.95 148.10 88.86 23.70 106.63 148.10 236.95 -18.53 -26.35	57.67
08 14 16 00-0444	EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	307.65 -3.74 140.30 84.18 22.45 101.01 140.30 224.47 -18.40 -26.09	60.30
08 14 16 00-0445	EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	315.45 -3.90 146.15 87.69 23.38 105.22 146.15 233.83 -18.79 -26.67	60.30
08 14 16 00-0446	EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	320.66 -4.00 150.05 90.03 24.01 108.04 150.05 240.08 -19.05 -27.06	60.30
08 14 16 00-0447	EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	331.10 -4.11 153.95 92.37 24.63 110.84 153.95 246.31 -19.70 -27.98	62.92
08 14 16 00-0448	EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	353.67 -4.56 170.87 102.52 27.34 123.03 170.87 273.40 -20.83 -29.67	62.92
08 14 16 00-0449	EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	407.69 -5.53 207.46 124.47 33.19 149.37 207.46 331.93 -23.66 -33.85	65.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0450	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	421.52 -5.81 217.83 130.70 34.85 156.84 217.83 348.53 -24.35 -34.89	65.54
08 14 16 00-0451	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	459.67 -6.36 238.58 143.15 38.17 171.77 238.58 381.72 -26.52 -38.01	70.79
08 14 16 00-0452	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	303.48 -3.76 141.09 84.65 22.57 101.58 141.09 225.74 -18.06 -25.65	57.67
08 14 16 00-0453	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	303.48 -3.76 141.09 84.65 22.57 101.58 141.09 225.74 -18.06 -25.65	57.67
08 14 16 00-0454	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	318.54 -3.96 148.46 89.08 23.75 106.89 148.46 237.54 -18.94 -26.91	60.30
08 14 16 00-0455	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	326.79 -4.12 154.65 92.79 24.74 111.35 154.65 247.44 -19.35 -27.52	60.30
08 14 16 00-0456	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	332.30 -4.23 158.78 95.27 25.41 114.32 158.78 254.05 -19.63 -27.94	60.30
08 14 16 00-0457	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	343.04 -4.34 162.90 97.74 26.06 117.29 162.90 260.64 -20.30 -28.87	62.92
08 14 16 00-0458	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	366.93 -4.82 180.82 108.49 28.93 130.19 180.82 289.31 -21.49 -30.67	62.92

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0459	EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	423.80	65.54
	For 7 Ply Cold Press Construction, Deduct	-5.85	
	For Stave Lumber Core (SLC), Add	219.54	
	For Structural Composite Lumber Core (SCLC), Add	131.72	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.13	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	158.07	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	219.54	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	351.26	
	For >50 To 100, Deduct	-24.47	
	For >100, Deduct	-35.06	
08 14 16 00-0460	EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	438.43	65.54
	For 7 Ply Cold Press Construction, Deduct	-6.15	
	For Stave Lumber Core (SLC), Add	230.51	
	For Structural Composite Lumber Core (SCLC), Add	138.31	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.88	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	165.97	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	230.51	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	368.82	
	For >50 To 100, Deduct	-25.20	
	For >100, Deduct	-36.16	
08 14 16 00-0461	EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	478.18	70.79
	For 7 Ply Cold Press Construction, Deduct	-6.73	
	For Stave Lumber Core (SLC), Add	252.46	
	For Structural Composite Lumber Core (SCLC), Add	151.47	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.39	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	181.77	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	252.46	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	403.93	
	For >50 To 100, Deduct	-27.45	
	For >100, Deduct	-39.40	
08 14 16 00-0462	EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	365.05	57.67
	For 7 Ply Cold Press Construction, Deduct	-4.99	
	For Stave Lumber Core (SLC), Add	187.27	
	For Structural Composite Lumber Core (SCLC), Add	112.36	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.96	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	134.83	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	187.27	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	299.63	
	For >50 To 100, Deduct	-21.14	
	For >100, Deduct	-30.26	
	For 9' Door Height, Add	52.43	
08 14 16 00-0463	EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	365.05	57.67
	For 7 Ply Cold Press Construction, Deduct	-4.99	
	For Stave Lumber Core (SLC), Add	187.27	
	For Structural Composite Lumber Core (SCLC), Add	112.36	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.96	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	134.83	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	187.27	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	299.63	
	For >50 To 100, Deduct	-21.14	
	For >100, Deduct	-30.26	
	For 9' Door Height, Add	52.43	
08 14 16 00-0464	EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	357.14	60.30
	For 7 Ply Cold Press Construction, Deduct	-4.73	
	For Stave Lumber Core (SLC), Add	177.41	
	For Structural Composite Lumber Core (SCLC), Add	106.45	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.39	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	127.74	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	177.41	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	283.86	
	For >50 To 100, Deduct	-20.87	
	For >100, Deduct	-29.80	
	For 9' Door Height, Add	49.68	
08 14 16 00-0465	EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	366.99	60.30
	For 7 Ply Cold Press Construction, Deduct	-4.93	
	For Stave Lumber Core (SLC), Add	184.80	
	For Structural Composite Lumber Core (SCLC), Add	110.88	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.57	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	133.06	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	184.80	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	295.68	
	For >50 To 100, Deduct	-21.36	
	For >100, Deduct	-30.54	
	For 9' Door Height, Add	51.74	
08 14 16 00-0466	EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	373.58	60.30
	For 7 Ply Cold Press Construction, Deduct	-5.06	
	For Stave Lumber Core (SLC), Add	189.74	
	For Structural Composite Lumber Core (SCLC), Add	113.85	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.36	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	136.61	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	189.74	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	303.59	
	For >50 To 100, Deduct	-21.69	
	For >100, Deduct	-31.03	
	For 9' Door Height, Add	53.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0467 EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	385.38	62.92
For 7 Ply Cold Press Construction, Deduct	-5.19	
For Stave Lumber Core (SLC), Add	194.66	
For Structural Composite Lumber Core (SCLC), Add	116.79	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.14	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	140.15	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	194.66	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	311.45	
For >50 To 100, Deduct	-22.42	
For >100, Deduct	-32.05	
For 9' Door Height, Add	54.50	
08 14 16 00-0468 EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	413.94	62.92
For 7 Ply Cold Press Construction, Deduct	-5.76	
For Stave Lumber Core (SLC), Add	216.08	
For Structural Composite Lumber Core (SCLC), Add	129.65	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.57	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	155.57	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	216.08	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	345.72	
For >50 To 100, Deduct	-23.84	
For >100, Deduct	-34.19	
For 9' Door Height, Add	60.50	
08 14 16 00-0469 EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	480.86	65.54
For 7 Ply Cold Press Construction, Deduct	-7.00	
For Stave Lumber Core (SLC), Add	262.34	
For Structural Composite Lumber Core (SCLC), Add	157.40	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.97	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	188.88	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	262.34	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	419.74	
For >50 To 100, Deduct	-27.32	
For >100, Deduct	-39.34	
For 9' Door Height, Add	73.45	
08 14 16 00-0470 EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	498.35	65.54
For 7 Ply Cold Press Construction, Deduct	-7.35	
For Stave Lumber Core (SLC), Add	275.45	
For Structural Composite Lumber Core (SCLC), Add	165.27	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.07	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	198.33	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	275.45	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	440.72	
For >50 To 100, Deduct	-28.19	
For >100, Deduct	-40.65	
For 9' Door Height, Add	77.13	
08 14 16 00-0471 EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	543.82	70.79
For 7 Ply Cold Press Construction, Deduct	-8.05	
For Stave Lumber Core (SLC), Add	301.69	
For Structural Composite Lumber Core (SCLC), Add	181.01	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.27	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	217.22	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	301.69	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	482.70	
For >50 To 100, Deduct	-30.73	
For >100, Deduct	-44.33	
For 9' Door Height, Add	84.47	
<b>08 14 16 00-0472 Oak Faced Wood Doors (08 14 16 00-0440)</b>		
08 14 16 00-0473 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	382.07	57.67
For 7 Ply Cold Press Construction, Deduct	-5.33	
For Stave Lumber Core (SLC), Add	200.03	
For Structural Composite Lumber Core (SCLC), Add	120.02	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.01	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	144.02	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	200.03	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	320.05	
For >50 To 100, Deduct	-21.99	
For >100, Deduct	-31.54	
08 14 16 00-0474 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	382.07	57.67
For 7 Ply Cold Press Construction, Deduct	-5.33	
For Stave Lumber Core (SLC), Add	200.03	
For Structural Composite Lumber Core (SCLC), Add	120.02	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.01	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	144.02	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	200.03	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	320.05	
For >50 To 100, Deduct	-21.99	
For >100, Deduct	-31.54	
08 14 16 00-0475 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	387.30	60.30
For 7 Ply Cold Press Construction, Deduct	-5.33	
For Stave Lumber Core (SLC), Add	200.03	
For Structural Composite Lumber Core (SCLC), Add	120.02	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.01	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	144.02	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	200.03	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	320.05	
For >50 To 100, Deduct	-22.38	
For >100, Deduct	-32.06	

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0476	EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	390.04	60.30
	For 7 Ply Cold Press Construction, Deduct	-5.39	
	For Stave Lumber Core (SLC), Add	202.09	
	For Structural Composite Lumber Core (SCLC), Add	121.25	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.33	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	145.50	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	202.09	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	323.34	
	For >50 To 100, Deduct	-22.52	
	For >100, Deduct	-32.27	
08 14 16 00-0477	EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	391.28	60.30
	For 7 Ply Cold Press Construction, Deduct	-5.41	
	For Stave Lumber Core (SLC), Add	203.02	
	For Structural Composite Lumber Core (SCLC), Add	121.81	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.48	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	146.17	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	203.02	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	324.83	
	For >50 To 100, Deduct	-22.58	
	For >100, Deduct	-32.36	
08 14 16 00-0478	EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	397.76	62.92
	For 7 Ply Cold Press Construction, Deduct	-5.44	
	For Stave Lumber Core (SLC), Add	203.94	
	For Structural Composite Lumber Core (SCLC), Add	122.36	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.63	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	146.84	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	203.94	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	326.30	
	For >50 To 100, Deduct	-23.03	
	For >100, Deduct	-32.98	
08 14 16 00-0479	EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	427.63	62.92
	For 7 Ply Cold Press Construction, Deduct	-6.04	
	For Stave Lumber Core (SLC), Add	226.34	
	For Structural Composite Lumber Core (SCLC), Add	135.81	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.21	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	162.97	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	226.34	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	362.15	
	For >50 To 100, Deduct	-24.53	
	For >100, Deduct	-35.22	
08 14 16 00-0480	EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	509.78	65.54
	For 7 Ply Cold Press Construction, Deduct	-7.57	
	For Stave Lumber Core (SLC), Add	284.03	
	For Structural Composite Lumber Core (SCLC), Add	170.42	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.44	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	204.50	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	284.03	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	454.44	
	For >50 To 100, Deduct	-28.77	
	For >100, Deduct	-41.51	
08 14 16 00-0481	EA 3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	528.98	65.54
	For 7 Ply Cold Press Construction, Deduct	-7.96	
	For Stave Lumber Core (SLC), Add	298.43	
	For Structural Composite Lumber Core (SCLC), Add	179.06	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.75	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	214.87	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	298.43	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	477.48	
	For >50 To 100, Deduct	-29.73	
	For >100, Deduct	-42.95	
08 14 16 00-0482	EA 4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	577.09	70.79
	For 7 Ply Cold Press Construction, Deduct	-8.71	
	For Stave Lumber Core (SLC), Add	326.64	
	For Structural Composite Lumber Core (SCLC), Add	195.98	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.26	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	235.18	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	326.64	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	522.62	
	For >50 To 100, Deduct	-32.39	
	For >100, Deduct	-46.82	
08 14 16 00-0483	EA 2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	397.58	57.67
	For 7 Ply Cold Press Construction, Deduct	-5.64	
	For Stave Lumber Core (SLC), Add	211.67	
	For Structural Composite Lumber Core (SCLC), Add	127.00	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.87	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	152.40	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	211.67	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	338.66	
	For >50 To 100, Deduct	-22.76	
	For >100, Deduct	-32.70	
08 14 16 00-0484	EA 2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	397.58	57.67
	For 7 Ply Cold Press Construction, Deduct	-5.64	
	For Stave Lumber Core (SLC), Add	211.67	
	For Structural Composite Lumber Core (SCLC), Add	127.00	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.87	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	152.40	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	211.67	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	338.66	
	For >50 To 100, Deduct	-22.76	
	For >100, Deduct	-32.70	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0485 EA 2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	402.81	60.30
For 7 Ply Cold Press Construction, Deduct	-5.64	
For Stave Lumber Core (SLC), Add	211.67	
For Structural Composite Lumber Core (SCLC), Add	127.00	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.87	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	152.40	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	211.67	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	338.66	
For >50 To 100, Deduct	-23.16	
For >100, Deduct	-33.23	
08 14 16 00-0486 EA 2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	405.71	60.30
For 7 Ply Cold Press Construction, Deduct	-5.70	
For Stave Lumber Core (SLC), Add	213.84	
For Structural Composite Lumber Core (SCLC), Add	128.30	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.21	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	153.96	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	213.84	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	342.14	
For >50 To 100, Deduct	-23.30	
For >100, Deduct	-33.44	
08 14 16 00-0487 EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	407.03	60.30
For 7 Ply Cold Press Construction, Deduct	-5.73	
For Stave Lumber Core (SLC), Add	214.83	
For Structural Composite Lumber Core (SCLC), Add	128.90	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.37	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	154.68	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	214.83	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	343.73	
For >50 To 100, Deduct	-23.37	
For >100, Deduct	-33.54	
08 14 16 00-0488 EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	413.59	62.92
For 7 Ply Cold Press Construction, Deduct	-5.76	
For Stave Lumber Core (SLC), Add	215.81	
For Structural Composite Lumber Core (SCLC), Add	129.49	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.63	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	155.39	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	215.81	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	345.30	
For >50 To 100, Deduct	-23.83	
For >100, Deduct	-34.17	
08 14 16 00-0489 EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	445.20	62.92
For 7 Ply Cold Press Construction, Deduct	-6.39	
For Stave Lumber Core (SLC), Add	239.52	
For Structural Composite Lumber Core (SCLC), Add	143.71	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.32	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	172.45	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	239.52	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	383.23	
For >50 To 100, Deduct	-25.41	
For >100, Deduct	-36.54	
08 14 16 00-0490 EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	531.83	65.54
For 7 Ply Cold Press Construction, Deduct	-8.02	
For Stave Lumber Core (SLC), Add	300.56	
For Structural Composite Lumber Core (SCLC), Add	180.34	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.09	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	216.41	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	300.56	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	480.90	
For >50 To 100, Deduct	-29.87	
For >100, Deduct	-43.16	
08 14 16 00-0491 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	552.14	65.54
For 7 Ply Cold Press Construction, Deduct	-8.42	
For Stave Lumber Core (SLC), Add	315.80	
For Structural Composite Lumber Core (SCLC), Add	189.48	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.53	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	227.37	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	315.80	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	505.27	
For >50 To 100, Deduct	-30.88	
For >100, Deduct	-44.69	
08 14 16 00-0492 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	602.42	70.79
For 7 Ply Cold Press Construction, Deduct	-9.22	
For Stave Lumber Core (SLC), Add	345.64	
For Structural Composite Lumber Core (SCLC), Add	207.38	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.30	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	248.86	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	345.64	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	553.02	
For >50 To 100, Deduct	-33.66	
For >100, Deduct	-48.72	
08 14 16 00-0493 EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	452.60	57.67
For 7 Ply Cold Press Construction, Deduct	-6.74	
For Stave Lumber Core (SLC), Add	252.93	
For Structural Composite Lumber Core (SCLC), Add	151.76	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.47	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	182.11	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	252.93	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	404.69	
For >50 To 100, Deduct	-25.51	
For >100, Deduct	-36.83	
For 9' Door Height, Add	70.82	

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0494	EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	452.60 -6.74 252.93 151.76 40.47 182.11 252.93 404.69 -25.51 -36.83 70.82	57.67
08 14 16 00-0495	EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	457.83 -6.74 252.93 151.76 40.47 182.11 252.93 404.69 -25.91 -37.35 70.82	60.30
08 14 16 00-0496	EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	461.31 -6.81 255.54 153.32 40.89 183.99 255.54 408.86 -26.08 -37.61 71.55	60.30
08 14 16 00-0497	EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	462.89 -6.85 256.73 154.04 41.08 184.84 256.73 410.76 -26.16 -37.73 71.88	60.30
08 14 16 00-0498	EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	469.70 -6.88 257.90 154.74 41.26 185.68 257.90 412.63 -26.63 -38.37 72.21	62.92
08 14 16 00-0499	EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	507.47 -7.63 286.22 171.73 45.80 206.08 286.22 457.96 -28.52 -41.21 80.14	62.92
08 14 16 00-0500	EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	609.98 -9.58 359.18 215.51 57.47 258.61 359.18 574.68 -33.78 -49.03 100.57	65.54
08 14 16 00-0501	EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	634.23 -10.06 377.36 226.42 60.38 271.70 377.36 603.78 -34.99 -50.84 105.66	65.54

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0502 EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....	692.29	70.79
For 7 Ply Cold Press Construction, Deduct	-11.01	
For Stave Lumber Core (SLC), Add	413.04	
For Structural Composite Lumber Core (SCLC), Add	247.82	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	66.09	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	297.39	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	413.04	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	660.86	
For >50 To 100, Deduct	-38.15	
For >100, Deduct	-55.46	
For 9' Door Height, Add	115.65	
<b>08 14 16 00-0503 Maple Faced Wood Doors (08 14 16 00-0440)</b>		
08 14 16 00-0504 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	435.41	57.67
For 7 Ply Cold Press Construction, Deduct	-6.40	
For Stave Lumber Core (SLC), Add	240.04	
For Structural Composite Lumber Core (SCLC), Add	144.02	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.41	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	172.83	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	240.04	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	384.06	
For >50 To 100, Deduct	-24.65	
For >100, Deduct	-35.54	
08 14 16 00-0505 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	435.41	57.67
For 7 Ply Cold Press Construction, Deduct	-6.40	
For Stave Lumber Core (SLC), Add	240.04	
For Structural Composite Lumber Core (SCLC), Add	144.02	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.41	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	172.83	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	240.04	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	384.06	
For >50 To 100, Deduct	-24.65	
For >100, Deduct	-35.54	
08 14 16 00-0506 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	440.64	60.30
For 7 Ply Cold Press Construction, Deduct	-6.40	
For Stave Lumber Core (SLC), Add	240.04	
For Structural Composite Lumber Core (SCLC), Add	144.02	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.41	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	172.83	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	240.04	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	384.06	
For >50 To 100, Deduct	-25.05	
For >100, Deduct	-36.06	
08 14 16 00-0507 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	443.93	60.30
For 7 Ply Cold Press Construction, Deduct	-6.47	
For Stave Lumber Core (SLC), Add	242.51	
For Structural Composite Lumber Core (SCLC), Add	145.50	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.80	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	174.60	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	242.51	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	388.01	
For >50 To 100, Deduct	-25.21	
For >100, Deduct	-36.31	
08 14 16 00-0508 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	445.40	60.30
For 7 Ply Cold Press Construction, Deduct	-6.50	
For Stave Lumber Core (SLC), Add	243.61	
For Structural Composite Lumber Core (SCLC), Add	146.16	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.98	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	175.40	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	243.61	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	389.77	
For >50 To 100, Deduct	-25.28	
For >100, Deduct	-36.42	
08 14 16 00-0509 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	452.15	62.92
For 7 Ply Cold Press Construction, Deduct	-6.53	
For Stave Lumber Core (SLC), Add	244.73	
For Structural Composite Lumber Core (SCLC), Add	146.84	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.16	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	176.21	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	244.73	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	391.57	
For >50 To 100, Deduct	-25.75	
For >100, Deduct	-37.06	
08 14 16 00-0510 EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	488.00	62.92
For 7 Ply Cold Press Construction, Deduct	-7.24	
For Stave Lumber Core (SLC), Add	271.62	
For Structural Composite Lumber Core (SCLC), Add	162.97	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.46	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	195.57	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	271.62	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	434.59	
For >50 To 100, Deduct	-27.55	
For >100, Deduct	-39.75	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0511	EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	562.80	65.54
	For 7 Ply Cold Press Construction, Deduct	-8.63	
	For Stave Lumber Core (SLC), Add	323.79	
	For Structural Composite Lumber Core (SCLC), Add	194.27	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.81	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	233.13	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	323.79	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	518.06	
	For >50 To 100, Deduct	-31.42	
	For >100, Deduct	-45.49	
08 14 16 00-0512	EA 3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	608.24	65.54
	For 7 Ply Cold Press Construction, Deduct	-9.54	
	For Stave Lumber Core (SLC), Add	357.87	
	For Structural Composite Lumber Core (SCLC), Add	214.72	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	57.26	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	257.67	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	357.87	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	572.59	
	For >50 To 100, Deduct	-33.69	
	For >100, Deduct	-48.90	
08 14 16 00-0513	EA 4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	653.72	65.54
	For 7 Ply Cold Press Construction, Deduct	-10.45	
	For Stave Lumber Core (SLC), Add	391.98	
	For Structural Composite Lumber Core (SCLC), Add	235.19	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	62.72	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	282.23	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	391.98	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	627.17	
	For >50 To 100, Deduct	-35.96	
	For >100, Deduct	-52.31	
08 14 16 00-0514	EA 2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	454.03	57.67
	For 7 Ply Cold Press Construction, Deduct	-6.77	
	For Stave Lumber Core (SLC), Add	254.00	
	For Structural Composite Lumber Core (SCLC), Add	152.40	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.64	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	182.88	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	254.00	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	406.40	
	For >50 To 100, Deduct	-25.59	
	For >100, Deduct	-36.94	
08 14 16 00-0515	EA 2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	454.03	57.67
	For 7 Ply Cold Press Construction, Deduct	-6.77	
	For Stave Lumber Core (SLC), Add	254.00	
	For Structural Composite Lumber Core (SCLC), Add	152.40	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.64	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	182.88	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	254.00	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	406.40	
	For >50 To 100, Deduct	-25.59	
	For >100, Deduct	-36.94	
08 14 16 00-0516	EA 2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	459.26	60.30
	For 7 Ply Cold Press Construction, Deduct	-6.77	
	For Stave Lumber Core (SLC), Add	254.00	
	For Structural Composite Lumber Core (SCLC), Add	152.40	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.64	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	182.88	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	254.00	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	406.40	
	For >50 To 100, Deduct	-25.98	
	For >100, Deduct	-37.46	
08 14 16 00-0517	EA 2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	462.73	60.30
	For 7 Ply Cold Press Construction, Deduct	-6.84	
	For Stave Lumber Core (SLC), Add	256.61	
	For Structural Composite Lumber Core (SCLC), Add	153.96	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.06	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	184.76	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	256.61	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	410.57	
	For >50 To 100, Deduct	-26.15	
	For >100, Deduct	-37.72	
08 14 16 00-0518	EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	464.31	60.30
	For 7 Ply Cold Press Construction, Deduct	-6.87	
	For Stave Lumber Core (SLC), Add	257.79	
	For Structural Composite Lumber Core (SCLC), Add	154.67	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.25	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	185.61	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	257.79	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	412.46	
	For >50 To 100, Deduct	-26.23	
	For >100, Deduct	-37.84	
08 14 16 00-0519	EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	471.14	62.92
	For 7 Ply Cold Press Construction, Deduct	-6.91	
	For Stave Lumber Core (SLC), Add	258.98	
	For Structural Composite Lumber Core (SCLC), Add	155.39	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.44	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	186.46	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	258.98	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	414.36	
	For >50 To 100, Deduct	-26.70	
	For >100, Deduct	-38.48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0520 EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	509.07	62.92
For 7 Ply Cold Press Construction, Deduct	-7.66	
For Stave Lumber Core (SLC), Add	287.42	
For Structural Composite Lumber Core (SCLC), Add	172.45	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.99	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	206.94	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	287.42	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	459.88	
For >50 To 100, Deduct	-28.60	
For >100, Deduct	-41.33	
08 14 16 00-0521 EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	587.93	65.54
For 7 Ply Cold Press Construction, Deduct	-9.14	
For Stave Lumber Core (SLC), Add	342.64	
For Structural Composite Lumber Core (SCLC), Add	205.58	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.82	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	246.70	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	342.64	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	548.22	
For >50 To 100, Deduct	-32.67	
For >100, Deduct	-47.37	
08 14 16 00-0522 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	636.02	65.54
For 7 Ply Cold Press Construction, Deduct	-10.10	
For Stave Lumber Core (SLC), Add	378.71	
For Structural Composite Lumber Core (SCLC), Add	227.22	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	60.59	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	272.67	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	378.71	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	605.93	
For >50 To 100, Deduct	-35.08	
For >100, Deduct	-50.98	
08 14 16 00-0523 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	684.15	65.54
For 7 Ply Cold Press Construction, Deduct	-11.06	
For Stave Lumber Core (SLC), Add	414.80	
For Structural Composite Lumber Core (SCLC), Add	248.88	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	66.37	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	298.66	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	414.80	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	663.68	
For >50 To 100, Deduct	-37.48	
For >100, Deduct	-54.59	
08 14 16 00-0524 EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	520.06	57.67
For 7 Ply Cold Press Construction, Deduct	-8.09	
For Stave Lumber Core (SLC), Add	303.53	
For Structural Composite Lumber Core (SCLC), Add	182.12	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.56	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	218.54	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	303.53	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	485.64	
For >50 To 100, Deduct	-28.89	
For >100, Deduct	-41.89	
For 9' Door Height, Add	84.99	
08 14 16 00-0525 EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	520.06	57.67
For 7 Ply Cold Press Construction, Deduct	-8.09	
For Stave Lumber Core (SLC), Add	303.53	
For Structural Composite Lumber Core (SCLC), Add	182.12	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.56	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	218.54	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	303.53	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	485.64	
For >50 To 100, Deduct	-28.89	
For >100, Deduct	-41.89	
For 9' Door Height, Add	84.99	
08 14 16 00-0526 EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	525.29	60.30
For 7 Ply Cold Press Construction, Deduct	-8.09	
For Stave Lumber Core (SLC), Add	303.53	
For Structural Composite Lumber Core (SCLC), Add	182.12	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.56	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	218.54	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	303.53	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	485.64	
For >50 To 100, Deduct	-29.28	
For >100, Deduct	-42.41	
For 9' Door Height, Add	84.99	
08 14 16 00-0527 EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	529.45	60.30
For 7 Ply Cold Press Construction, Deduct	-8.18	
For Stave Lumber Core (SLC), Add	306.65	
For Structural Composite Lumber Core (SCLC), Add	183.99	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.06	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	220.78	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	306.65	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	490.63	
For >50 To 100, Deduct	-29.49	
For >100, Deduct	-42.72	
For 9' Door Height, Add	85.86	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0528	EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	531.35	60.30
	For 7 Ply Cold Press Construction, Deduct	-8.22	
	For Stave Lumber Core (SLC), Add	308.07	
	For Structural Composite Lumber Core (SCLC), Add	184.84	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.29	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	221.81	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	308.07	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	492.91	
	For >50 To 100, Deduct	-29.58	
	For >100, Deduct	-42.87	
	For 9' Door Height, Add	86.26	
08 14 16 00-0529	EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	538.47	62.92
	For 7 Ply Cold Press Construction, Deduct	-8.25	
	For Stave Lumber Core (SLC), Add	309.47	
	For Structural Composite Lumber Core (SCLC), Add	185.68	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.52	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	222.82	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	309.47	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	495.16	
	For >50 To 100, Deduct	-30.07	
	For >100, Deduct	-43.53	
	For 9' Door Height, Add	86.65	
08 14 16 00-0530	EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	583.80	62.92
	For 7 Ply Cold Press Construction, Deduct	-9.16	
	For Stave Lumber Core (SLC), Add	343.47	
	For Structural Composite Lumber Core (SCLC), Add	206.08	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.96	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	247.30	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	343.47	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	549.55	
	For >50 To 100, Deduct	-32.34	
	For >100, Deduct	-46.93	
	For 9' Door Height, Add	96.17	
08 14 16 00-0531	EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	677.01	65.54
	For 7 Ply Cold Press Construction, Deduct	-10.92	
	For Stave Lumber Core (SLC), Add	409.45	
	For Structural Composite Lumber Core (SCLC), Add	245.67	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	65.51	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	294.80	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	409.45	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	655.12	
	For >50 To 100, Deduct	-37.13	
	For >100, Deduct	-54.05	
	For 9' Door Height, Add	114.65	
08 14 16 00-0532	EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	734.48	65.54
	For 7 Ply Cold Press Construction, Deduct	-12.07	
	For Stave Lumber Core (SLC), Add	452.55	
	For Structural Composite Lumber Core (SCLC), Add	271.53	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	72.41	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	325.84	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	452.55	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	724.08	
	For >50 To 100, Deduct	-40.00	
	For >100, Deduct	-58.36	
	For 9' Door Height, Add	126.71	
08 14 16 00-0533	EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	791.98	65.54
	For 7 Ply Cold Press Construction, Deduct	-13.22	
	For Stave Lumber Core (SLC), Add	495.68	
	For Structural Composite Lumber Core (SCLC), Add	297.41	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	79.31	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	356.89	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	495.68	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	793.08	
	For >50 To 100, Deduct	-42.88	
	For >100, Deduct	-62.68	
	For 9' Door Height, Add	138.79	
<b>08 14 16 00-0534</b>	<b>Walnut Faced Wood Doors</b> (08 14 16 00-0440)		
08 14 16 00-0535	EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door .....	524.56	57.67
	For 7 Ply Cold Press Construction, Deduct	-8.18	
	For Stave Lumber Core (SLC), Add	306.90	
	For Structural Composite Lumber Core (SCLC), Add	184.14	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.10	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	220.97	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	306.90	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	491.04	
	For >50 To 100, Deduct	-29.11	
	For >100, Deduct	-42.23	
08 14 16 00-0536	EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door .....	524.56	57.67
	For 7 Ply Cold Press Construction, Deduct	-8.18	
	For Stave Lumber Core (SLC), Add	306.90	
	For Structural Composite Lumber Core (SCLC), Add	184.14	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.10	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	220.97	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	306.90	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	491.04	
	For >50 To 100, Deduct	-29.11	
	For >100, Deduct	-42.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0537 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	529.92 -8.19 307.00 184.20 49.12 221.04 307.00 491.20 -29.51 -42.76	60.30
08 14 16 00-0538 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	534.14 -8.27 310.16 186.10 49.63 223.32 310.16 496.26 -29.72 -43.08	60.30
08 14 16 00-0539 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	545.17 -8.49 318.44 191.06 50.95 229.27 318.44 509.50 -30.27 -43.90	60.30
08 14 16 00-0540 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	561.43 -8.71 326.69 196.02 52.27 235.22 326.69 522.71 -31.22 -45.25	62.92
08 14 16 00-0541 EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	590.04 -9.28 348.15 208.89 55.70 250.67 348.15 557.04 -32.65 -47.40	62.92
08 14 16 00-0542 EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	716.02 -11.70 438.71 263.22 70.19 315.87 438.71 701.93 -39.08 -56.98	65.54
08 14 16 00-0543 EA 3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	745.25 -12.28 460.63 276.38 73.70 331.65 460.63 737.00 -40.54 -59.17	65.54
08 14 16 00-0544 EA 4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	803.78 -13.45 504.53 302.72 80.72 363.26 504.53 807.24 -43.47 -63.56	65.54
08 14 16 00-0545 EA 2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	548.37 -8.66 324.76 194.85 51.96 233.83 324.76 519.61 -30.30 -44.01	57.67

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0546	EA 2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	548.37	57.67
	For 7 Ply Cold Press Construction, Deduct	-8.66	
	For Stave Lumber Core (SLC), Add	324.76	
	For Structural Composite Lumber Core (SCLC), Add	194.85	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.96	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	233.83	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	324.76	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	519.61	
	For >50 To 100, Deduct	-30.30	
	For >100, Deduct	-44.01	
08 14 16 00-0547	EA 2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	553.73	60.30
	For 7 Ply Cold Press Construction, Deduct	-8.66	
	For Stave Lumber Core (SLC), Add	324.86	
	For Structural Composite Lumber Core (SCLC), Add	194.91	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.98	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	233.90	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	324.86	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	519.77	
	For >50 To 100, Deduct	-30.70	
	For >100, Deduct	-44.54	
08 14 16 00-0548	EA 2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	558.21	60.30
	For 7 Ply Cold Press Construction, Deduct	-8.75	
	For Stave Lumber Core (SLC), Add	328.22	
	For Structural Composite Lumber Core (SCLC), Add	196.93	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.51	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	236.31	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	328.22	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	525.14	
	For >50 To 100, Deduct	-30.93	
	For >100, Deduct	-44.88	
08 14 16 00-0549	EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	569.88	60.30
	For 7 Ply Cold Press Construction, Deduct	-8.99	
	For Stave Lumber Core (SLC), Add	336.97	
	For Structural Composite Lumber Core (SCLC), Add	202.18	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	53.91	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	242.62	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	336.97	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	539.15	
	For >50 To 100, Deduct	-31.51	
	For >100, Deduct	-45.76	
08 14 16 00-0550	EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	586.77	62.92
	For 7 Ply Cold Press Construction, Deduct	-9.22	
	For Stave Lumber Core (SLC), Add	345.70	
	For Structural Composite Lumber Core (SCLC), Add	207.42	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.31	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	248.90	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	345.70	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	553.12	
	For >50 To 100, Deduct	-32.48	
	For >100, Deduct	-47.15	
08 14 16 00-0551	EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	617.06	62.92
	For 7 Ply Cold Press Construction, Deduct	-9.82	
	For Stave Lumber Core (SLC), Add	368.42	
	For Structural Composite Lumber Core (SCLC), Add	221.05	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	58.95	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	265.26	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	368.42	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	589.46	
	For >50 To 100, Deduct	-34.00	
	For >100, Deduct	-49.43	
08 14 16 00-0552	EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	750.05	65.54
	For 7 Ply Cold Press Construction, Deduct	-12.38	
	For Stave Lumber Core (SLC), Add	464.23	
	For Structural Composite Lumber Core (SCLC), Add	278.54	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	74.28	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	334.24	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	464.23	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	742.76	
	For >50 To 100, Deduct	-40.78	
	For >100, Deduct	-59.53	
08 14 16 00-0553	EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	780.99	65.54
	For 7 Ply Cold Press Construction, Deduct	-13.00	
	For Stave Lumber Core (SLC), Add	487.43	
	For Structural Composite Lumber Core (SCLC), Add	292.46	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	77.99	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	350.95	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	487.43	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	779.89	
	For >50 To 100, Deduct	-42.33	
	For >100, Deduct	-61.85	
08 14 16 00-0554	EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	842.92	65.54
	For 7 Ply Cold Press Construction, Deduct	-14.24	
	For Stave Lumber Core (SLC), Add	533.88	
	For Structural Composite Lumber Core (SCLC), Add	320.33	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	85.42	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	384.39	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	533.88	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	854.21	
	For >50 To 100, Deduct	-45.42	
	For >100, Deduct	-66.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0555	EA	2'-0" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	632.82 -10.35 388.10 232.86 62.10 279.43 388.10 620.95 -34.53 -50.35 108.67	57.67
08 14 16 00-0556	EA	2'-4" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	632.82 -10.35 388.10 232.86 62.10 279.43 388.10 620.95 -34.53 -50.35 108.67	57.67
08 14 16 00-0557	EA	2'-6" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	638.20 -10.35 388.21 232.92 62.11 279.51 388.21 621.13 -34.92 -50.88 108.70	60.30
08 14 16 00-0558	EA	2'-8" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	643.55 -10.46 392.22 235.33 62.76 282.40 392.22 627.55 -35.19 -51.28 109.82	60.30
08 14 16 00-0559	EA	2'-10" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	657.48 -10.74 402.67 241.60 64.43 289.92 402.67 644.27 -35.89 -52.33 112.75	60.30
08 14 16 00-0560	EA	3'-0" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	676.67 -11.02 413.12 247.87 66.10 297.45 413.12 661.00 -36.98 -53.90 115.67	62.92
08 14 16 00-0561	EA	3'-4" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	712.86 -11.74 440.27 264.16 70.44 316.99 440.27 704.42 -38.79 -56.61 123.27	62.92
08 14 16 00-0562	EA	3'-6" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	870.76 -14.79 554.76 332.86 88.76 399.43 554.76 887.62 -46.82 -68.58 155.33	65.54

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0563	EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	907.74	65.54
	For 7 Ply Cold Press Construction, Deduct	-15.53	
	For Stave Lumber Core (SLC), Add	582.50	
	For Structural Composite Lumber Core (SCLC), Add	349.50	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	93.20	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	419.40	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	582.50	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	931.99	
	For >50 To 100, Deduct	-48.66	
	For >100, Deduct	-71.36	
	For 9' Door Height, Add	163.10	
08 14 16 00-0564	EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	981.72	65.54
	For 7 Ply Cold Press Construction, Deduct	-17.01	
	For Stave Lumber Core (SLC), Add	637.98	
	For Structural Composite Lumber Core (SCLC), Add	382.79	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	102.08	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	459.35	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	637.98	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	1,020.77	
	For >50 To 100, Deduct	-52.36	
	For >100, Deduct	-76.91	
	For 9' Door Height, Add	178.63	
<b>08 14 16 00-0565</b>	<b>Lauan Faced Wood Doors</b> (08 14 16 00-0440)		
08 14 16 00-0566	EA 2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	279.82	57.67
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.74	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	88.81	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	123.35	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	197.35	
	For >50 To 100, Deduct	-16.88	
	For >100, Deduct	-23.87	
08 14 16 00-0567	EA 2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	279.82	57.67
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.74	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	88.81	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	123.35	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	197.35	
	For >50 To 100, Deduct	-16.88	
	For >100, Deduct	-23.87	
08 14 16 00-0568	EA 2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	285.52	60.30
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.79	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	89.06	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	123.70	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	197.92	
	For >50 To 100, Deduct	-17.29	
	For >100, Deduct	-24.43	
08 14 16 00-0569	EA 2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	290.27	60.30
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.36	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	91.63	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	127.26	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	203.62	
	For >50 To 100, Deduct	-17.53	
	For >100, Deduct	-24.79	
08 14 16 00-0570	EA 2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	291.98	60.30
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.57	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	92.55	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	128.54	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	205.67	
	For >50 To 100, Deduct	-17.61	
	For >100, Deduct	-24.91	
08 14 16 00-0571	EA 3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	298.94	62.92
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.77	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	93.47	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	129.83	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	207.72	
	For >50 To 100, Deduct	-18.09	
	For >100, Deduct	-25.57	
08 14 16 00-0572	EA 3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	314.59	62.92
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.65	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	101.93	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	141.56	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	226.50	
	For >50 To 100, Deduct	-18.88	
	For >100, Deduct	-26.74	
08 14 16 00-0573	EA 3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	333.28	65.54
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.26	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	109.19	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	151.65	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	242.64	
	For >50 To 100, Deduct	-19.94	
	For >100, Deduct	-28.27	
08 14 16 00-0574	EA 3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	343.40	65.54
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.48	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	114.65	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	159.24	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	254.78	
	For >50 To 100, Deduct	-20.45	
	For >100, Deduct	-29.03	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0575 EA 4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door .....	363.63	65.54
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.91	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	125.58	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	174.41	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	279.06	
For >50 To 100, Deduct	-21.46	
For >100, Deduct	-30.55	
08 14 16 00-0576 EA 2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door .....	289.38	57.67
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.88	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	93.97	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	130.52	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	208.82	
For >50 To 100, Deduct	-17.35	
For >100, Deduct	-24.59	
08 14 16 00-0577 EA 2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door .....	289.38	57.67
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.88	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	93.97	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	130.52	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	208.82	
For >50 To 100, Deduct	-17.35	
For >100, Deduct	-24.59	
08 14 16 00-0578 EA 2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door .....	295.12	60.30
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.94	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	94.25	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	130.90	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	209.44	
For >50 To 100, Deduct	-17.77	
For >100, Deduct	-25.15	
08 14 16 00-0579 EA 2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door .....	300.13	60.30
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.54	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	96.95	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	134.66	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	215.45	
For >50 To 100, Deduct	-18.02	
For >100, Deduct	-25.52	
08 14 16 00-0580 EA 2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door .....	301.96	60.30
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.76	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	97.94	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	136.03	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	217.64	
For >50 To 100, Deduct	-18.11	
For >100, Deduct	-25.66	
08 14 16 00-0581 EA 3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door .....	309.01	62.92
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.98	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	98.91	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	137.38	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	219.80	
For >50 To 100, Deduct	-18.60	
For >100, Deduct	-26.32	
08 14 16 00-0582 EA 3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door .....	325.57	62.92
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.97	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	107.85	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	149.80	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	239.68	
For >50 To 100, Deduct	-19.42	
For >100, Deduct	-27.56	
08 14 16 00-0583 EA 3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door .....	345.06	65.54
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.68	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	115.55	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	160.49	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	256.78	
For >50 To 100, Deduct	-20.53	
For >100, Deduct	-29.16	
08 14 16 00-0584 EA 3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door .....	355.75	65.54
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.96	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	121.32	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	168.50	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	269.60	
For >50 To 100, Deduct	-21.06	
For >100, Deduct	-29.96	
08 14 16 00-0585 EA 4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door .....	377.17	65.54
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.53	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	132.89	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	184.57	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	295.31	
For >50 To 100, Deduct	-22.14	
For >100, Deduct	-31.56	
08 14 16 00-0586 EA 2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door .....	323.31	57.67
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.95	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	112.29	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	155.96	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	249.54	
For >50 To 100, Deduct	-19.05	
For >100, Deduct	-27.13	
For 9' Door Height, Add	43.67	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0587	EA 2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	323.31	57.67
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.95	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	112.29	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	155.96	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	249.54	
	For >50 To 100, Deduct	-19.05	
	For >100, Deduct	-27.13	
	For 9' Door Height, Add	43.67	
08 14 16 00-0588	EA 2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	329.14	60.30
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.03	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	112.62	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	156.41	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	250.26	
	For >50 To 100, Deduct	-19.47	
	For >100, Deduct	-27.70	
	For 9' Door Height, Add	43.80	
08 14 16 00-0589	EA 2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	335.15	60.30
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.75	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	115.86	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	160.92	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	257.47	
	For >50 To 100, Deduct	-19.77	
	For >100, Deduct	-28.15	
	For 9' Door Height, Add	45.06	
08 14 16 00-0590	EA 2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	337.33	60.30
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.01	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	117.04	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	162.56	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	260.09	
	For >50 To 100, Deduct	-19.88	
	For >100, Deduct	-28.31	
	For 9' Door Height, Add	45.52	
08 14 16 00-0591	EA 3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	344.74	62.92
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.27	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	118.21	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	164.18	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	262.68	
	For >50 To 100, Deduct	-20.38	
	For >100, Deduct	-29.00	
	For 9' Door Height, Add	45.97	
08 14 16 00-0592	EA 3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	364.52	62.92
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.64	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	128.89	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	179.01	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	286.42	
	For >50 To 100, Deduct	-21.37	
	For >100, Deduct	-30.49	
	For 9' Door Height, Add	50.12	
08 14 16 00-0593	EA 3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	386.78	65.54
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.68	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	138.08	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	191.78	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	306.84	
	For >50 To 100, Deduct	-22.62	
	For >100, Deduct	-32.29	
	For 9' Door Height, Add	53.70	
08 14 16 00-0594	EA 3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	399.55	65.54
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.22	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	144.97	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	201.35	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	322.16	
	For >50 To 100, Deduct	-23.25	
	For >100, Deduct	-33.24	
	For 9' Door Height, Add	56.38	
08 14 16 00-0595	EA 4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	425.15	65.54
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.29	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	158.80	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	220.55	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	352.88	
	For >50 To 100, Deduct	-24.53	
	For >100, Deduct	-35.16	
	For 9' Door Height, Add	61.75	
08 14 16 00-0596	<b>Medium Density Overlay (MDO) Wood Doors</b> (08 14 16 00-0440)		
08 14 16 00-0597	EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	286.80	57.67
	For Stave Lumber Core (SLC), Add	128.58	
	For Structural Composite Lumber Core (SCLC), Add	77.15	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.57	
	For >50 To 100, Deduct	-17.22	
	For >100, Deduct	-24.39	
08 14 16 00-0598	EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	286.80	57.67
	For Stave Lumber Core (SLC), Add	128.58	
	For Structural Composite Lumber Core (SCLC), Add	77.15	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.57	
	For >50 To 100, Deduct	-17.22	
	For >100, Deduct	-24.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0599	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	301.96	60.30
			<i>For Stave Lumber Core (SLC), Add</i>	136.03	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	81.62	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.76	
			<i>For &gt;50 To 100, Deduct</i>	-18.11	
			<i>For &gt;100, Deduct</i>	-25.66	
08 14 16 00-0600	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	311.86	60.30
			<i>For Stave Lumber Core (SLC), Add</i>	143.45	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	86.07	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.95	
			<i>For &gt;50 To 100, Deduct</i>	-18.61	
			<i>For &gt;100, Deduct</i>	-26.40	
08 14 16 00-0601	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	313.71	60.30
			<i>For Stave Lumber Core (SLC), Add</i>	144.84	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	86.90	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.17	
			<i>For &gt;50 To 100, Deduct</i>	-18.70	
			<i>For &gt;100, Deduct</i>	-26.54	
08 14 16 00-0602	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	320.83	62.92
			<i>For Stave Lumber Core (SLC), Add</i>	146.24	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	87.75	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.40	
			<i>For &gt;50 To 100, Deduct</i>	-19.19	
			<i>For &gt;100, Deduct</i>	-27.21	
08 14 16 00-0603	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	342.32	62.92
			<i>For Stave Lumber Core (SLC), Add</i>	162.36	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	97.42	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.98	
			<i>For &gt;50 To 100, Deduct</i>	-20.26	
			<i>For &gt;100, Deduct</i>	-28.82	
08 14 16 00-0604	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	386.81	65.54
			<i>For Stave Lumber Core (SLC), Add</i>	191.80	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	115.08	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	30.69	
			<i>For &gt;50 To 100, Deduct</i>	-22.62	
			<i>For &gt;100, Deduct</i>	-32.29	
08 14 16 00-0605	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	399.61	65.54
			<i>For Stave Lumber Core (SLC), Add</i>	201.40	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	120.84	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.22	
			<i>For &gt;50 To 100, Deduct</i>	-23.26	
			<i>For &gt;100, Deduct</i>	-33.25	
08 14 16 00-0606	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	425.15	65.54
			<i>For Stave Lumber Core (SLC), Add</i>	220.55	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	132.33	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	35.29	
			<i>For &gt;50 To 100, Deduct</i>	-24.53	
			<i>For &gt;100, Deduct</i>	-35.16	
08 14 16 00-0607	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	296.78	57.67
			<i>For Stave Lumber Core (SLC), Add</i>	136.07	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	81.64	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.77	
			<i>For &gt;50 To 100, Deduct</i>	-17.72	
			<i>For &gt;100, Deduct</i>	-25.14	
08 14 16 00-0608	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	296.78	57.67
			<i>For Stave Lumber Core (SLC), Add</i>	136.07	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	81.64	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.77	
			<i>For &gt;50 To 100, Deduct</i>	-17.72	
			<i>For &gt;100, Deduct</i>	-25.14	
08 14 16 00-0609	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	312.52	60.30
			<i>For Stave Lumber Core (SLC), Add</i>	143.95	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	86.37	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.03	
			<i>For &gt;50 To 100, Deduct</i>	-18.64	
			<i>For &gt;100, Deduct</i>	-26.45	
08 14 16 00-0610	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	323.01	60.30
			<i>For Stave Lumber Core (SLC), Add</i>	151.82	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	91.09	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.29	
			<i>For &gt;50 To 100, Deduct</i>	-19.17	
			<i>For &gt;100, Deduct</i>	-27.24	
08 14 16 00-0611	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	324.95	60.30
			<i>For Stave Lumber Core (SLC), Add</i>	153.27	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	91.96	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.52	
			<i>For &gt;50 To 100, Deduct</i>	-19.26	
			<i>For &gt;100, Deduct</i>	-27.39	
08 14 16 00-0612	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	332.18	62.92
			<i>For Stave Lumber Core (SLC), Add</i>	154.76	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	92.85	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.76	
			<i>For &gt;50 To 100, Deduct</i>	-19.76	
			<i>For &gt;100, Deduct</i>	-28.06	
08 14 16 00-0613	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	354.91	62.92
			<i>For Stave Lumber Core (SLC), Add</i>	171.80	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	103.08	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.49	
			<i>For &gt;50 To 100, Deduct</i>	-20.89	
			<i>For &gt;100, Deduct</i>	-29.76	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 16 00-0614	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	401.69		65.54
		<i>For Stave Lumber Core (SLC), Add</i>	202.96		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	121.77		
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.47		
		<i>For &gt;50 To 100, Deduct</i>	-23.36		
		<i>For &gt;100, Deduct</i>	-33.40		
08 14 16 00-0615	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	415.23		65.54
		<i>For Stave Lumber Core (SLC), Add</i>	213.11		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	127.87		
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.10		
		<i>For &gt;50 To 100, Deduct</i>	-24.04		
		<i>For &gt;100, Deduct</i>	-34.42		
08 14 16 00-0616	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	442.28		65.54
		<i>For Stave Lumber Core (SLC), Add</i>	233.40		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	140.04		
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	37.34		
		<i>For &gt;50 To 100, Deduct</i>	-25.39		
		<i>For &gt;100, Deduct</i>	-36.45		
08 14 16 00-0617	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	332.16		57.67
		<i>For Stave Lumber Core (SLC), Add</i>	162.60		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	97.56		
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	26.02		
		<i>For &gt;50 To 100, Deduct</i>	-19.49		
		<i>For &gt;100, Deduct</i>	-27.80		
		<i>For 9' Door Height, Add</i>	45.53		
08 14 16 00-0618	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	332.16		57.67
		<i>For Stave Lumber Core (SLC), Add</i>	162.60		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	97.56		
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	26.02		
		<i>For &gt;50 To 100, Deduct</i>	-19.49		
		<i>For &gt;100, Deduct</i>	-27.80		
		<i>For 9' Door Height, Add</i>	45.53		
08 14 16 00-0619	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	349.95		60.30
		<i>For Stave Lumber Core (SLC), Add</i>	172.02		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	103.21		
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.52		
		<i>For &gt;50 To 100, Deduct</i>	-20.51		
		<i>For &gt;100, Deduct</i>	-29.26		
		<i>For 9' Door Height, Add</i>	48.17		
08 14 16 00-0620	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	362.49		60.30
		<i>For Stave Lumber Core (SLC), Add</i>	181.43		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	108.86		
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.03		
		<i>For &gt;50 To 100, Deduct</i>	-21.14		
		<i>For &gt;100, Deduct</i>	-30.20		
		<i>For 9' Door Height, Add</i>	50.80		
08 14 16 00-0621	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	364.81		60.30
		<i>For Stave Lumber Core (SLC), Add</i>	183.17		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	109.90		
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.31		
		<i>For &gt;50 To 100, Deduct</i>	-21.26		
		<i>For &gt;100, Deduct</i>	-30.38		
		<i>For 9' Door Height, Add</i>	51.29		
08 14 16 00-0622	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	372.43		62.92
		<i>For Stave Lumber Core (SLC), Add</i>	184.94		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	110.97		
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.59		
		<i>For &gt;50 To 100, Deduct</i>	-21.77		
		<i>For &gt;100, Deduct</i>	-31.08		
		<i>For 9' Door Height, Add</i>	51.78		
08 14 16 00-0623	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	399.58		62.92
		<i>For Stave Lumber Core (SLC), Add</i>	205.31		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	123.18		
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.85		
		<i>For &gt;50 To 100, Deduct</i>	-23.13		
		<i>For &gt;100, Deduct</i>	-33.11		
		<i>For 9' Door Height, Add</i>	57.49		
08 14 16 00-0624	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	454.44		65.54
		<i>For Stave Lumber Core (SLC), Add</i>	242.52		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	145.51		
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.80		
		<i>For &gt;50 To 100, Deduct</i>	-26.00		
		<i>For &gt;100, Deduct</i>	-37.36		
		<i>For 9' Door Height, Add</i>	67.91		
08 14 16 00-0625	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	470.64		65.54
		<i>For Stave Lumber Core (SLC), Add</i>	254.67		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	152.80		
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	40.75		
		<i>For &gt;50 To 100, Deduct</i>	-26.81		
		<i>For &gt;100, Deduct</i>	-38.58		
		<i>For 9' Door Height, Add</i>	71.31		
08 14 16 00-0626	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	502.96		65.54
		<i>For Stave Lumber Core (SLC), Add</i>	278.91		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	167.35		
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	44.63		
		<i>For &gt;50 To 100, Deduct</i>	-28.43		
		<i>For &gt;100, Deduct</i>	-41.00		
		<i>For 9' Door Height, Add</i>	78.09		

08 14 16 00-0627 Manufacturer Prefinished Options For Flush Wood Doors (08 14 16)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 16 00-0628 EA Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door .....51.10  
 Note: Includes any standard manufacturer color on six sides.  
 For Custom Color To Match Non Standard Manufacturer Finish, Add 17.02

**08 14 16 00-0629 Exterior Doors, Premium Grade Door (08 14 16)**

Note: Window and Door Manufacturers Association (WDMA), Plain slice, book matched, Grade A Premium, pre-finished

08 14 16 00-0630 EA 3' x 7' x 1-3/4" Window and Door Manufacturers Association (WDMA), White Birch, Solid Wood ..... 1,156.92 62.92  
 For >50 To 100, Deduct -60.99  
 For >100, Deduct -89.92

08 14 16 00-0631 EA 3' x 7' x 1-3/4" Window and Door Manufacturers Association (WDMA), White Birch, Solid Wood, 60 - 90 Minute Fire Rated Doors .....1,422.46 62.92  
 For >50 To 100, Deduct -74.27  
 For >100, Deduct -109.83

**08 14 16 00-0632 Semicircular Head Door, 1-3/4" Thick, Particleboard Core (PC), Wood Doors (08 14 16)**

08 14 16 00-0633 EA 2' x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door .....2,283.98 46.14  
 08 14 16 00-0634 EA 2'-4" x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door .....2,283.98 143.99  
 08 14 16 00-0635 EA 2'-6" x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door .....2,283.98 46.14

**08 14 23 Clad Wood Doors (08 14)**

**08 14 23 13 Metal-Faced Wood Doors (08 14 23)**

See CSI section 08 70 00 00-0000 for finish hardware.

**08 14 23 13-0001 24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core (08 14 23 13)**

08 14 23 13-0002 EA 2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....632.60 128.99  
 08 14 23 13-0003 EA 2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....676.82 141.57  
 08 14 23 13-0004 EA 2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....728.05 156.26  
 08 14 23 13-0005 EA 3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....760.31 161.49  
 08 14 23 13-0006 EA 3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....814.55 177.75  
 08 14 23 13-0007 EA 3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door .....880.64 183.52

**08 14 23 16 Plastic-Laminate-Faced Wood Doors (08 14 23)**

**08 14 23 16-0001 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors (08 14 23 16)**

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 16-0002 EA 2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....224.54 57.67  
 For Structural Composite Lumber Core (SCLC), Add 49.13  
 For 5 Ply Construction, Add 3.82  
 For >50 To 100, Deduct -14.11  
 For >100, Deduct -19.72

08 14 23 16-0003 EA 2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....224.54 57.67  
 For Structural Composite Lumber Core (SCLC), Add 49.13  
 For 5 Ply Construction, Add 3.82  
 For >50 To 100, Deduct -14.11  
 For >100, Deduct -19.72

08 14 23 16-0004 EA 2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....235.77 60.30  
 For Structural Composite Lumber Core (SCLC), Add 51.83  
 For 5 Ply Construction, Add 4.03  
 For >50 To 100, Deduct -14.80  
 For >100, Deduct -20.70

08 14 23 16-0005 EA 2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....241.78 60.30  
 For Structural Composite Lumber Core (SCLC), Add 54.54  
 For 5 Ply Construction, Add 4.24  
 For >50 To 100, Deduct -15.10  
 For >100, Deduct -21.15

08 14 23 16-0006 EA 2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....244.81 60.30  
 For Structural Composite Lumber Core (SCLC), Add 55.90  
 For 5 Ply Construction, Add 4.35  
 For >50 To 100, Deduct -15.26  
 For >100, Deduct -21.38

08 14 23 16-0007 EA 3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....253.07 62.92  
 For Structural Composite Lumber Core (SCLC), Add 57.25  
 For 5 Ply Construction, Add 4.45  
 For >50 To 100, Deduct -15.80  
 For >100, Deduct -22.13

08 14 23 16-0008 EA 3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....267.06 62.92  
 For Structural Composite Lumber Core (SCLC), Add 63.55  
 For 5 Ply Construction, Add 4.94  
 For >50 To 100, Deduct -16.50  
 For >100, Deduct -23.18

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 23 16-0009	EA 3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	281.34	65.54
	For Structural Composite Lumber Core (SCLC), Add	67.62	
	For 5 Ply Construction, Add	5.26	
	For >50 To 100, Deduct	-17.34	
	For >100, Deduct	-24.38	
08 14 23 16-0010	EA 2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	230.89	57.67
	For Structural Composite Lumber Core (SCLC), Add	51.99	
	For 5 Ply Construction, Add	4.04	
	For >50 To 100, Deduct	-14.43	
	For >100, Deduct	-20.20	
08 14 23 16-0011	EA 2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	230.89	57.67
	For Structural Composite Lumber Core (SCLC), Add	51.99	
	For 5 Ply Construction, Add	4.04	
	For >50 To 100, Deduct	-14.43	
	For >100, Deduct	-20.20	
08 14 23 16-0012	EA 2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	242.48	60.30
	For Structural Composite Lumber Core (SCLC), Add	54.85	
	For 5 Ply Construction, Add	4.27	
	For >50 To 100, Deduct	-15.14	
	For >100, Deduct	-21.20	
08 14 23 16-0013	EA 2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	248.83	60.30
	For Structural Composite Lumber Core (SCLC), Add	57.71	
	For 5 Ply Construction, Add	4.49	
	For >50 To 100, Deduct	-15.46	
	For >100, Deduct	-21.68	
08 14 23 16-0014	EA 2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	252.03	60.30
	For Structural Composite Lumber Core (SCLC), Add	59.15	
	For 5 Ply Construction, Add	4.60	
	For >50 To 100, Deduct	-15.62	
	For >100, Deduct	-21.92	
08 14 23 16-0015	EA 3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	260.48	62.92
	For Structural Composite Lumber Core (SCLC), Add	60.59	
	For 5 Ply Construction, Add	4.71	
	For >50 To 100, Deduct	-16.17	
	For >100, Deduct	-22.68	
08 14 23 16-0016	EA 3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	275.28	62.92
	For Structural Composite Lumber Core (SCLC), Add	67.25	
	For 5 Ply Construction, Add	5.23	
	For >50 To 100, Deduct	-16.91	
	For >100, Deduct	-23.79	
08 14 23 16-0017	EA 3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	290.08	65.54
	For Structural Composite Lumber Core (SCLC), Add	71.55	
	For 5 Ply Construction, Add	5.57	
	For >50 To 100, Deduct	-17.78	
	For >100, Deduct	-25.03	
08 14 23 16-0018	EA 2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	253.42	57.67
	For Structural Composite Lumber Core (SCLC), Add	62.13	
	For 5 Ply Construction, Add	4.83	
	For >50 To 100, Deduct	-15.56	
	For >100, Deduct	-21.89	
08 14 23 16-0019	EA 2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	253.42	57.67
	For Structural Composite Lumber Core (SCLC), Add	62.13	
	For 5 Ply Construction, Add	4.83	
	For >50 To 100, Deduct	-15.56	
	For >100, Deduct	-21.89	
08 14 23 16-0020	EA 2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	266.25	60.30
	For Structural Composite Lumber Core (SCLC), Add	65.55	
	For 5 Ply Construction, Add	5.10	
	For >50 To 100, Deduct	-16.33	
	For >100, Deduct	-22.98	
08 14 23 16-0021	EA 2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	273.84	60.30
	For Structural Composite Lumber Core (SCLC), Add	68.96	
	For 5 Ply Construction, Add	5.36	
	For >50 To 100, Deduct	-16.71	
	For >100, Deduct	-23.55	
08 14 23 16-0022	EA 2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	277.67	60.30
	For Structural Composite Lumber Core (SCLC), Add	70.69	
	For 5 Ply Construction, Add	5.50	
	For >50 To 100, Deduct	-16.90	
	For >100, Deduct	-23.84	
08 14 23 16-0023	EA 3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	286.73	62.92
	For Structural Composite Lumber Core (SCLC), Add	72.40	
	For 5 Ply Construction, Add	5.63	
	For >50 To 100, Deduct	-17.48	
	For >100, Deduct	-24.65	

MINOR		DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI	UOM			UNIT COST	UNIT COST
08 14 23 16-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		304.42	62.92
		For Structural Composite Lumber Core (SCLC), Add		80.36	
		For 5 Ply Construction, Add		6.25	
		For >50 To 100, Deduct		-18.37	
		For >100, Deduct		-25.98	
08 14 23 16-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		321.09	65.54
		For Structural Composite Lumber Core (SCLC), Add		85.50	
		For 5 Ply Construction, Add		6.65	
		For >50 To 100, Deduct		-19.33	
		For >100, Deduct		-27.36	
<p><b>08 14 23 16-0026 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors</b> <small>(08 14 23 16)</small></p> <p>Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.</p>					
08 14 23 16-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		301.37	57.67
		For 5 Ply Construction, Add		6.51	
		For Stave Lumber Core (SLC), Add		139.51	
		For Structural Composite Lumber Core (SCLC), Add		83.70	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		22.32	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		100.45	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		139.51	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		223.21	
		For >50 To 100, Deduct		-17.95	
		For >100, Deduct		-25.49	
08 14 23 16-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		301.36	57.67
		For 5 Ply Construction, Add		6.51	
		For Stave Lumber Core (SLC), Add		139.50	
		For Structural Composite Lumber Core (SCLC), Add		83.70	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		22.32	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		100.44	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		139.50	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		223.20	
		For >50 To 100, Deduct		-17.95	
		For >100, Deduct		-25.49	
08 14 23 16-0029	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		312.41	60.30
		For 5 Ply Construction, Add		6.71	
		For Stave Lumber Core (SLC), Add		143.87	
		For Structural Composite Lumber Core (SCLC), Add		86.32	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		23.02	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		103.58	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		143.87	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		230.18	
		For >50 To 100, Deduct		-18.64	
		For >100, Deduct		-26.45	
08 14 23 16-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		312.41	60.30
		For 5 Ply Construction, Add		6.71	
		For Stave Lumber Core (SLC), Add		143.87	
		For Structural Composite Lumber Core (SCLC), Add		86.32	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		23.02	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		103.58	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		143.87	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		230.18	
		For >50 To 100, Deduct		-18.64	
		For >100, Deduct		-26.45	
08 14 23 16-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		323.93	60.30
		For 5 Ply Construction, Add		7.12	
		For Stave Lumber Core (SLC), Add		152.51	
		For Structural Composite Lumber Core (SCLC), Add		91.50	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		24.40	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		109.80	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		152.51	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		244.01	
		For >50 To 100, Deduct		-19.21	
		For >100, Deduct		-27.31	
08 14 23 16-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		340.70	62.92
		For 5 Ply Construction, Add		7.52	
		For Stave Lumber Core (SLC), Add		161.15	
		For Structural Composite Lumber Core (SCLC), Add		96.69	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		25.78	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		116.02	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		161.15	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		257.83	
		For >50 To 100, Deduct		-20.18	
		For >100, Deduct		-28.70	

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0033	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	352.47	62.92
			For 5 Ply Construction, Add	7.93	
			For Stave Lumber Core (SLC), Add	169.97	
			For Structural Composite Lumber Core (SCLC), Add	101.98	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.20	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	122.38	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	169.97	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	271.96	
			For >50 To 100, Deduct	-20.77	
			For >100, Deduct	-29.58	
08 14 23 16-0034	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	363.59	65.54
			For 5 Ply Construction, Add	8.14	
			For Stave Lumber Core (SLC), Add	174.38	
			For Structural Composite Lumber Core (SCLC), Add	104.63	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.90	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	125.56	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	174.38	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	279.01	
			For >50 To 100, Deduct	-21.46	
			For >100, Deduct	-30.55	
08 14 23 16-0035	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	375.21	65.54
			For 5 Ply Construction, Add	8.54	
			For Stave Lumber Core (SLC), Add	183.10	
			For Structural Composite Lumber Core (SCLC), Add	109.86	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.30	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	131.83	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	183.10	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	292.96	
			For >50 To 100, Deduct	-22.04	
			For >100, Deduct	-31.42	
08 14 23 16-0036	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	408.95	70.79
			For 5 Ply Construction, Add	9.36	
			For Stave Lumber Core (SLC), Add	200.54	
			For Structural Composite Lumber Core (SCLC), Add	120.32	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.09	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	144.39	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	200.54	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	320.86	
			For >50 To 100, Deduct	-23.99	
			For >100, Deduct	-34.21	
08 14 23 16-0037	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	312.19	57.67
			For 5 Ply Construction, Add	6.89	
			For Stave Lumber Core (SLC), Add	147.62	
			For Structural Composite Lumber Core (SCLC), Add	88.57	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.62	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	106.29	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	147.62	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	236.20	
			For >50 To 100, Deduct	-18.49	
			For >100, Deduct	-26.30	
08 14 23 16-0038	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	312.18	57.67
			For 5 Ply Construction, Add	6.89	
			For Stave Lumber Core (SLC), Add	147.62	
			For Structural Composite Lumber Core (SCLC), Add	88.57	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.62	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	106.28	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	147.62	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	236.18	
			For >50 To 100, Deduct	-18.49	
			For >100, Deduct	-26.30	
08 14 23 16-0039	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	323.57	60.30
			For 5 Ply Construction, Add	7.10	
			For Stave Lumber Core (SLC), Add	152.24	
			For Structural Composite Lumber Core (SCLC), Add	91.34	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.36	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	109.61	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	152.24	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	243.58	
			For >50 To 100, Deduct	-19.19	
			For >100, Deduct	-27.28	
08 14 23 16-0040	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	323.57	60.30
			For 5 Ply Construction, Add	7.10	
			For Stave Lumber Core (SLC), Add	152.24	
			For Structural Composite Lumber Core (SCLC), Add	91.34	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.36	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	109.61	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	152.24	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	243.58	
			For >50 To 100, Deduct	-19.19	
			For >100, Deduct	-27.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0041	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	335.76	60.30
			For 5 Ply Construction, Add	7.53	
			For Stave Lumber Core (SLC), Add	161.38	
			For Structural Composite Lumber Core (SCLC), Add	96.83	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.82	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	116.19	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	161.38	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	258.20	
			For >50 To 100, Deduct	-19.80	
			For >100, Deduct	-28.20	
08 14 23 16-0042	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	353.21	62.92
			For 5 Ply Construction, Add	7.96	
			For Stave Lumber Core (SLC), Add	170.53	
			For Structural Composite Lumber Core (SCLC), Add	102.32	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.28	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	122.78	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	170.53	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	272.84	
			For >50 To 100, Deduct	-20.81	
			For >100, Deduct	-29.64	
08 14 23 16-0043	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	365.66	62.92
			For 5 Ply Construction, Add	8.39	
			For Stave Lumber Core (SLC), Add	179.87	
			For Structural Composite Lumber Core (SCLC), Add	107.92	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.78	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	129.50	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	179.87	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	287.78	
			For >50 To 100, Deduct	-21.43	
			For >100, Deduct	-30.57	
08 14 23 16-0044	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	377.12	65.54
			For 5 Ply Construction, Add	8.61	
			For Stave Lumber Core (SLC), Add	184.53	
			For Structural Composite Lumber Core (SCLC), Add	110.72	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.52	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	132.86	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	184.53	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	295.25	
			For >50 To 100, Deduct	-22.13	
			For >100, Deduct	-31.56	
08 14 23 16-0045	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	389.42	65.54
			For 5 Ply Construction, Add	9.04	
			For Stave Lumber Core (SLC), Add	193.76	
			For Structural Composite Lumber Core (SCLC), Add	116.25	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.00	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	139.50	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	193.76	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	310.01	
			For >50 To 100, Deduct	-22.75	
			For >100, Deduct	-32.48	
08 14 23 16-0046	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	424.51	70.79
			For 5 Ply Construction, Add	9.90	
			For Stave Lumber Core (SLC), Add	212.21	
			For Structural Composite Lumber Core (SCLC), Add	127.32	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.95	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	152.79	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	212.21	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	339.53	
			For >50 To 100, Deduct	-24.76	
			For >100, Deduct	-35.38	
08 14 23 16-0047	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	350.58	57.67
			For 5 Ply Construction, Add	8.23	
			For Stave Lumber Core (SLC), Add	176.42	
			For Structural Composite Lumber Core (SCLC), Add	105.85	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.23	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	127.02	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	176.42	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	282.26	
			For >50 To 100, Deduct	-20.41	
			For >100, Deduct	-29.18	
08 14 23 16-0048	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	350.57	57.67
			For 5 Ply Construction, Add	8.23	
			For Stave Lumber Core (SLC), Add	176.41	
			For Structural Composite Lumber Core (SCLC), Add	105.84	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.23	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	127.01	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	176.41	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	282.25	
			For >50 To 100, Deduct	-20.41	
			For >100, Deduct	-29.18	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0049	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	363.16	60.30
			For 5 Ply Construction, Add	8.49	
			For Stave Lumber Core (SLC), Add	181.93	
			For Structural Composite Lumber Core (SCLC), Add	109.16	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.11	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	130.99	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	181.93	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	291.08	
			For >50 To 100, Deduct	-21.17	
			For >100, Deduct	-30.25	
08 14 23 16-0050	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	363.16	60.30
			For 5 Ply Construction, Add	8.49	
			For Stave Lumber Core (SLC), Add	181.93	
			For Structural Composite Lumber Core (SCLC), Add	109.16	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.11	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	130.99	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	181.93	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	291.08	
			For >50 To 100, Deduct	-21.17	
			For >100, Deduct	-30.25	
08 14 23 16-0051	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	377.72	60.30
			For 5 Ply Construction, Add	9.00	
			For Stave Lumber Core (SLC), Add	192.85	
			For Structural Composite Lumber Core (SCLC), Add	115.71	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.86	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	138.85	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	192.85	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	308.56	
			For >50 To 100, Deduct	-21.90	
			For >100, Deduct	-31.34	
08 14 23 16-0052	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	397.54	62.92
			For 5 Ply Construction, Add	9.51	
			For Stave Lumber Core (SLC), Add	203.78	
			For Structural Composite Lumber Core (SCLC), Add	122.27	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.60	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	146.72	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	203.78	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	326.04	
			For >50 To 100, Deduct	-23.02	
			For >100, Deduct	-32.96	
08 14 23 16-0053	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	412.42	62.92
			For 5 Ply Construction, Add	10.03	
			For Stave Lumber Core (SLC), Add	214.94	
			For Structural Composite Lumber Core (SCLC), Add	128.96	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.39	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	154.75	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	214.94	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	343.90	
			For >50 To 100, Deduct	-23.77	
			For >100, Deduct	-34.08	
08 14 23 16-0054	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	425.10	65.54
			For 5 Ply Construction, Add	10.29	
			For Stave Lumber Core (SLC), Add	220.52	
			For Structural Composite Lumber Core (SCLC), Add	132.31	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.28	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	158.77	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	220.52	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	352.82	
			For >50 To 100, Deduct	-24.53	
			For >100, Deduct	-35.16	
08 14 23 16-0055	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	439.79	65.54
			For 5 Ply Construction, Add	10.80	
			For Stave Lumber Core (SLC), Add	231.53	
			For Structural Composite Lumber Core (SCLC), Add	138.92	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.05	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	166.70	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	231.53	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	370.45	
			For >50 To 100, Deduct	-25.27	
			For >100, Deduct	-36.26	
08 14 23 16-0056	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	479.69	70.79
			For 5 Ply Construction, Add	11.83	
			For Stave Lumber Core (SLC), Add	253.59	
			For Structural Composite Lumber Core (SCLC), Add	152.15	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.57	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	182.58	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	253.59	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	405.74	
			For >50 To 100, Deduct	-27.52	
			For >100, Deduct	-39.52	

**08 14 23 19 Molded-Hardboard-Faced Wood Doors** (08 14 23)

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 14 23 19-0001 1-3/8" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors** (08 14 23 19)

08 14 23 19-0002	EA 2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....213.21 <i>For &gt;50 To 100, Deduct -13.54</i> <i>For &gt;100, Deduct -18.87</i>	57.67	
08 14 23 19-0003	EA 2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....213.21 <i>For &gt;50 To 100, Deduct -13.54</i> <i>For &gt;100, Deduct -18.87</i>	57.67	
08 14 23 19-0004	EA 2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....225.58 <i>For &gt;50 To 100, Deduct -14.29</i> <i>For &gt;100, Deduct -19.93</i>	60.30	
08 14 23 19-0005	EA 2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....228.97 <i>For &gt;50 To 100, Deduct -14.46</i> <i>For &gt;100, Deduct -20.19</i>	60.30	
08 14 23 19-0006	EA 2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....232.35 <i>For &gt;50 To 100, Deduct -14.63</i> <i>For &gt;100, Deduct -20.44</i>	60.30	
08 14 23 19-0007	EA 3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....240.99 <i>For &gt;50 To 100, Deduct -15.20</i> <i>For &gt;100, Deduct -21.22</i>	62.92	
08 14 23 19-0008	EA 3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....253.64 <i>For &gt;50 To 100, Deduct -15.83</i> <i>For &gt;100, Deduct -22.17</i>	62.92	
08 14 23 19-0009	EA 3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....267.07 <i>For &gt;50 To 100, Deduct -16.63</i> <i>For &gt;100, Deduct -23.31</i>	65.54	
08 14 23 19-0010	EA 2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....218.90 <i>For &gt;50 To 100, Deduct -13.83</i> <i>For &gt;100, Deduct -19.30</i>	57.67	
08 14 23 19-0011	EA 2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....218.90 <i>For &gt;50 To 100, Deduct -13.83</i> <i>For &gt;100, Deduct -19.30</i>	57.67	
08 14 23 19-0012	EA 2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....231.69 <i>For &gt;50 To 100, Deduct -14.60</i> <i>For &gt;100, Deduct -20.39</i>	60.30	
08 14 23 19-0013	EA 2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....235.27 <i>For &gt;50 To 100, Deduct -14.78</i> <i>For &gt;100, Deduct -20.66</i>	60.30	
08 14 23 19-0014	EA 2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....238.85 <i>For &gt;50 To 100, Deduct -14.96</i> <i>For &gt;100, Deduct -20.93</i>	60.30	
08 14 23 19-0015	EA 3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....247.68 <i>For &gt;50 To 100, Deduct -15.53</i> <i>For &gt;100, Deduct -21.72</i>	62.92	
08 14 23 19-0016	EA 3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....261.06 <i>For &gt;50 To 100, Deduct -16.20</i> <i>For &gt;100, Deduct -22.73</i>	62.92	
08 14 23 19-0017	EA 3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....274.97 <i>For &gt;50 To 100, Deduct -17.03</i> <i>For &gt;100, Deduct -23.90</i>	65.54	
08 14 23 19-0018	EA 2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....239.10 <i>For &gt;50 To 100, Deduct -14.84</i> <i>For &gt;100, Deduct -20.82</i>	57.67	
08 14 23 19-0019	EA 2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....239.10 <i>For &gt;50 To 100, Deduct -14.84</i> <i>For &gt;100, Deduct -20.82</i>	57.67	
08 14 23 19-0020	EA 2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....253.36 <i>For &gt;50 To 100, Deduct -15.68</i> <i>For &gt;100, Deduct -22.02</i>	60.30	
08 14 23 19-0021	EA 2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....257.63 <i>For &gt;50 To 100, Deduct -15.90</i> <i>For &gt;100, Deduct -22.34</i>	60.30	
08 14 23 19-0022	EA 2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....261.93 <i>For &gt;50 To 100, Deduct -16.11</i> <i>For &gt;100, Deduct -22.66</i>	60.30	
08 14 23 19-0023	EA 3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....271.44 <i>For &gt;50 To 100, Deduct -16.72</i> <i>For &gt;100, Deduct -23.50</i>	62.92	
08 14 23 19-0024	EA 3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....287.43 <i>For &gt;50 To 100, Deduct -17.52</i> <i>For &gt;100, Deduct -24.70</i>	62.92	
08 14 23 19-0025	EA 3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....303.02 <i>For &gt;50 To 100, Deduct -18.43</i> <i>For &gt;100, Deduct -26.00</i>	65.54	

**08 14 23 19-0026 1-3/4" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors** (08 14 23 19)

08 14 23 19-0027	EA 2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....237.28 <i>For &gt;50 To 100, Deduct -14.75</i> <i>For &gt;100, Deduct -20.68</i>	57.67	
08 14 23 19-0028	EA 2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....237.28 <i>For &gt;50 To 100, Deduct -14.75</i> <i>For &gt;100, Deduct -20.68</i>	57.67	
08 14 23 19-0029	EA 2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....245.88 <i>For &gt;50 To 100, Deduct -15.31</i> <i>For &gt;100, Deduct -21.46</i>	60.30	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0030	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....252.68	252.68	60.30
			<i>For &gt;50 To 100, Deduct</i>	-15.65	
			<i>For &gt;100, Deduct</i>	-21.97	
08 14 23 19-0031	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....256.08	256.08	60.30
			<i>For &gt;50 To 100, Deduct</i>	-15.82	
			<i>For &gt;100, Deduct</i>	-22.22	
08 14 23 19-0032	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....264.67	264.67	62.92
			<i>For &gt;50 To 100, Deduct</i>	-16.38	
			<i>For &gt;100, Deduct</i>	-23.00	
08 14 23 19-0033	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....272.42	272.42	62.92
			<i>For &gt;50 To 100, Deduct</i>	-16.77	
			<i>For &gt;100, Deduct</i>	-23.58	
08 14 23 19-0034	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....302.84	302.84	65.54
			<i>For &gt;50 To 100, Deduct</i>	-18.42	
			<i>For &gt;100, Deduct</i>	-25.99	
08 14 23 19-0035	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....311.42	311.42	65.54
			<i>For &gt;50 To 100, Deduct</i>	-18.85	
			<i>For &gt;100, Deduct</i>	-26.63	
08 14 23 19-0036	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....328.62	328.62	65.54
			<i>For &gt;50 To 100, Deduct</i>	-19.71	
			<i>For &gt;100, Deduct</i>	-27.92	
08 14 23 19-0037	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....244.37	244.37	57.67
			<i>For &gt;50 To 100, Deduct</i>	-15.10	
			<i>For &gt;100, Deduct</i>	-21.21	
08 14 23 19-0038	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....244.37	244.37	57.67
			<i>For &gt;50 To 100, Deduct</i>	-15.10	
			<i>For &gt;100, Deduct</i>	-21.21	
08 14 23 19-0039	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....253.18	253.18	60.30
			<i>For &gt;50 To 100, Deduct</i>	-15.67	
			<i>For &gt;100, Deduct</i>	-22.00	
08 14 23 19-0040	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....260.37	260.37	60.30
			<i>For &gt;50 To 100, Deduct</i>	-16.03	
			<i>For &gt;100, Deduct</i>	-22.54	
08 14 23 19-0041	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....263.95	263.95	60.30
			<i>For &gt;50 To 100, Deduct</i>	-16.21	
			<i>For &gt;100, Deduct</i>	-22.81	
08 14 23 19-0042	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....272.76	272.76	62.92
			<i>For &gt;50 To 100, Deduct</i>	-16.78	
			<i>For &gt;100, Deduct</i>	-23.60	
08 14 23 19-0043	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....280.95	280.95	62.92
			<i>For &gt;50 To 100, Deduct</i>	-17.19	
			<i>For &gt;100, Deduct</i>	-24.22	
08 14 23 19-0044	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....312.85	312.85	65.54
			<i>For &gt;50 To 100, Deduct</i>	-18.92	
			<i>For &gt;100, Deduct</i>	-26.74	
08 14 23 19-0045	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....321.93	321.93	65.54
			<i>For &gt;50 To 100, Deduct</i>	-19.37	
			<i>For &gt;100, Deduct</i>	-27.42	
08 14 23 19-0046	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....340.11	340.11	65.54
			<i>For &gt;50 To 100, Deduct</i>	-20.28	
			<i>For &gt;100, Deduct</i>	-28.79	
08 14 23 19-0047	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....269.52	269.52	57.67
			<i>For &gt;50 To 100, Deduct</i>	-16.36	
			<i>For &gt;100, Deduct</i>	-23.10	
08 14 23 19-0048	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....269.52	269.52	57.67
			<i>For &gt;50 To 100, Deduct</i>	-16.36	
			<i>For &gt;100, Deduct</i>	-23.10	
08 14 23 19-0049	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....279.05	279.05	60.30
			<i>For &gt;50 To 100, Deduct</i>	-16.97	
			<i>For &gt;100, Deduct</i>	-23.94	
08 14 23 19-0050	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....287.63	287.63	60.30
			<i>For &gt;50 To 100, Deduct</i>	-17.40	
			<i>For &gt;100, Deduct</i>	-24.59	
08 14 23 19-0051	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....291.90	291.90	60.30
			<i>For &gt;50 To 100, Deduct</i>	-17.61	
			<i>For &gt;100, Deduct</i>	-24.91	
08 14 23 19-0052	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....301.42	301.42	62.92
			<i>For &gt;50 To 100, Deduct</i>	-18.22	
			<i>For &gt;100, Deduct</i>	-25.75	
08 14 23 19-0053	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....311.19	311.19	62.92
			<i>For &gt;50 To 100, Deduct</i>	-18.71	
			<i>For &gt;100, Deduct</i>	-26.49	
08 14 23 19-0054	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....348.30	348.30	65.54
			<i>For &gt;50 To 100, Deduct</i>	-20.69	
			<i>For &gt;100, Deduct</i>	-29.40	
08 14 23 19-0055	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....359.15	359.15	65.54
			<i>For &gt;50 To 100, Deduct</i>	-21.23	
			<i>For &gt;100, Deduct</i>	-30.21	
08 14 23 19-0056	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....380.88	380.88	65.54
			<i>For &gt;50 To 100, Deduct</i>	-22.32	
			<i>For &gt;100, Deduct</i>	-31.84	

**08 14 23 19-0057 1-3/8" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors** (08 14 23 19)

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0058	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	251.80	57.67
			<i>For &gt;50 To 100, Deduct</i>	-15.47	
			<i>For &gt;100, Deduct</i>	-21.77	
08 14 23 19-0059	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	251.80	57.67
			<i>For &gt;50 To 100, Deduct</i>	-15.47	
			<i>For &gt;100, Deduct</i>	-21.77	
08 14 23 19-0060	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	264.95	60.30
			<i>For &gt;50 To 100, Deduct</i>	-16.26	
			<i>For &gt;100, Deduct</i>	-22.89	
08 14 23 19-0061	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	272.86	60.30
			<i>For &gt;50 To 100, Deduct</i>	-16.66	
			<i>For &gt;100, Deduct</i>	-23.48	
08 14 23 19-0062	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	274.30	60.30
			<i>For &gt;50 To 100, Deduct</i>	-16.73	
			<i>For &gt;100, Deduct</i>	-23.59	
08 14 23 19-0063	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	281.03	62.92
			<i>For &gt;50 To 100, Deduct</i>	-17.20	
			<i>For &gt;100, Deduct</i>	-24.22	
08 14 23 19-0064	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	298.15	62.92
			<i>For &gt;50 To 100, Deduct</i>	-18.05	
			<i>For &gt;100, Deduct</i>	-25.51	
08 14 23 19-0065	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	334.60	65.54
			<i>For &gt;50 To 100, Deduct</i>	-20.01	
			<i>For &gt;100, Deduct</i>	-28.37	
08 14 23 19-0066	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	259.75	57.67
			<i>For &gt;50 To 100, Deduct</i>	-15.87	
			<i>For &gt;100, Deduct</i>	-22.37	
08 14 23 19-0067	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	259.75	57.67
			<i>For &gt;50 To 100, Deduct</i>	-15.87	
			<i>For &gt;100, Deduct</i>	-22.37	
08 14 23 19-0068	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	273.36	60.30
			<i>For &gt;50 To 100, Deduct</i>	-16.68	
			<i>For &gt;100, Deduct</i>	-23.52	
08 14 23 19-0069	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	281.71	60.30
			<i>For &gt;50 To 100, Deduct</i>	-17.10	
			<i>For &gt;100, Deduct</i>	-24.14	
08 14 23 19-0070	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	283.26	60.30
			<i>For &gt;50 To 100, Deduct</i>	-17.18	
			<i>For &gt;100, Deduct</i>	-24.26	
08 14 23 19-0071	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	290.06	62.92
			<i>For &gt;50 To 100, Deduct</i>	-17.65	
			<i>For &gt;100, Deduct</i>	-24.90	
08 14 23 19-0072	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	308.18	62.92
			<i>For &gt;50 To 100, Deduct</i>	-18.56	
			<i>For &gt;100, Deduct</i>	-26.26	
08 14 23 19-0073	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	346.45	65.54
			<i>For &gt;50 To 100, Deduct</i>	-20.60	
			<i>For &gt;100, Deduct</i>	-29.26	
08 14 23 19-0074	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	287.91	57.67
			<i>For &gt;50 To 100, Deduct</i>	-17.28	
			<i>For &gt;100, Deduct</i>	-24.48	
08 14 23 19-0075	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	287.91	57.67
			<i>For &gt;50 To 100, Deduct</i>	-17.28	
			<i>For &gt;100, Deduct</i>	-24.48	
08 14 23 19-0076	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	303.15	60.30
			<i>For &gt;50 To 100, Deduct</i>	-18.17	
			<i>For &gt;100, Deduct</i>	-25.75	
08 14 23 19-0077	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	313.13	60.30
			<i>For &gt;50 To 100, Deduct</i>	-18.67	
			<i>For &gt;100, Deduct</i>	-26.50	
08 14 23 19-0078	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	314.97	60.30
			<i>For &gt;50 To 100, Deduct</i>	-18.76	
			<i>For &gt;100, Deduct</i>	-26.64	
08 14 23 19-0079	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	322.09	62.92
			<i>For &gt;50 To 100, Deduct</i>	-19.25	
			<i>For &gt;100, Deduct</i>	-27.30	

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 23 19-0080	EA 3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	343.74	62.92
	For >50 To 100, Deduct	-20.33	
	For >100, Deduct	-28.93	
08 14 23 19-0081	EA 3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	388.46	65.54
	For >50 To 100, Deduct	-22.70	
	For >100, Deduct	-32.41	
08 14 23 19-0082	1-3/4" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors <small>(08 14 23 19)</small>		
	Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 19-0083	EA 2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	286.80	57.67
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.57	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	92.58	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	128.58	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	205.73	
	For >50 To 100, Deduct	-17.22	
	For >100, Deduct	-24.39	
08 14 23 19-0084	EA 2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	286.80	57.67
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.57	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	92.58	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	128.58	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	205.73	
	For >50 To 100, Deduct	-17.22	
	For >100, Deduct	-24.39	
08 14 23 19-0085	EA 2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	301.96	60.30
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.76	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	97.94	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	136.03	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	217.64	
	For >50 To 100, Deduct	-18.11	
	For >100, Deduct	-25.66	
08 14 23 19-0086	EA 2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	311.86	60.30
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.95	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	103.29	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	143.45	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	229.52	
	For >50 To 100, Deduct	-18.61	
	For >100, Deduct	-26.40	
08 14 23 19-0087	EA 2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	313.71	60.30
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.17	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	104.28	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	144.84	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	231.74	
	For >50 To 100, Deduct	-18.70	
	For >100, Deduct	-26.54	
08 14 23 19-0088	EA 3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	320.83	62.92
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.40	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	105.29	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	146.24	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	233.99	
	For >50 To 100, Deduct	-19.19	
	For >100, Deduct	-27.21	
08 14 23 19-0089	EA 3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	342.32	62.92
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.98	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	116.90	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	162.36	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	259.78	
	For >50 To 100, Deduct	-20.26	
	For >100, Deduct	-28.82	
08 14 23 19-0090	EA 3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	386.81	65.54
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.69	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	138.09	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	191.80	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	306.88	
	For >50 To 100, Deduct	-22.62	
	For >100, Deduct	-32.29	
08 14 23 19-0091	EA 3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	399.61	65.54
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.22	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	145.01	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	201.40	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	322.24	
	For >50 To 100, Deduct	-23.26	
	For >100, Deduct	-33.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0092	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	425.15	65.54
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	35.29	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	158.80	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	220.55	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	352.88	
			<i>For &gt;50 To 100, Deduct</i>	-24.53	
			<i>For &gt;100, Deduct</i>	-35.16	
08 14 23 19-0093	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	296.78	57.67
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.77	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	97.97	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	136.07	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	217.70	
			<i>For &gt;50 To 100, Deduct</i>	-17.72	
			<i>For &gt;100, Deduct</i>	-25.14	
08 14 23 19-0094	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	296.78	57.67
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.77	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	97.97	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	136.07	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	217.70	
			<i>For &gt;50 To 100, Deduct</i>	-17.72	
			<i>For &gt;100, Deduct</i>	-25.14	
08 14 23 19-0095	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	312.52	60.30
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.03	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	103.64	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	143.95	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	230.32	
			<i>For &gt;50 To 100, Deduct</i>	-18.64	
			<i>For &gt;100, Deduct</i>	-26.45	
08 14 23 19-0096	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	323.01	60.30
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.29	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	109.31	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	151.82	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	242.90	
			<i>For &gt;50 To 100, Deduct</i>	-19.17	
			<i>For &gt;100, Deduct</i>	-27.24	
08 14 23 19-0097	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	324.95	60.30
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.52	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	110.35	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	153.27	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	245.23	
			<i>For &gt;50 To 100, Deduct</i>	-19.26	
			<i>For &gt;100, Deduct</i>	-27.39	
08 14 23 19-0098	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	332.18	62.92
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.76	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	111.42	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	154.76	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	247.61	
			<i>For &gt;50 To 100, Deduct</i>	-19.76	
			<i>For &gt;100, Deduct</i>	-28.06	
08 14 23 19-0099	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	354.91	62.92
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.49	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	123.70	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	171.80	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	274.88	
			<i>For &gt;50 To 100, Deduct</i>	-20.89	
			<i>For &gt;100, Deduct</i>	-29.76	
08 14 23 19-0100	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	401.69	65.54
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.47	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	146.13	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	202.96	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	324.73	
			<i>For &gt;50 To 100, Deduct</i>	-23.36	
			<i>For &gt;100, Deduct</i>	-33.40	
08 14 23 19-0101	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	415.23	65.54
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.10	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	153.44	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	213.11	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	340.98	
			<i>For &gt;50 To 100, Deduct</i>	-24.04	
			<i>For &gt;100, Deduct</i>	-34.42	
08 14 23 19-0102	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	442.28	65.54
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	37.34	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	168.05	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	233.40	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	373.44	
			<i>For &gt;50 To 100, Deduct</i>	-25.39	
			<i>For &gt;100, Deduct</i>	-36.45	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0103	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	332.16	57.67
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.02	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	117.07	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	162.60	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	260.16	
			For >50 To 100, Deduct	-19.49	
			For >100, Deduct	-27.80	
08 14 23 19-0104	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	332.16	57.67
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.02	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	117.07	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	162.60	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	260.16	
			For >50 To 100, Deduct	-19.49	
			For >100, Deduct	-27.80	
08 14 23 19-0105	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	349.95	60.30
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.52	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	123.85	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	172.02	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	275.23	
			For >50 To 100, Deduct	-20.51	
			For >100, Deduct	-29.26	
08 14 23 19-0106	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	362.49	60.30
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.03	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	130.63	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	181.43	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	290.28	
			For >50 To 100, Deduct	-21.14	
			For >100, Deduct	-30.20	
08 14 23 19-0107	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	364.81	60.30
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.31	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	131.88	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	183.17	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	293.06	
			For >50 To 100, Deduct	-21.26	
			For >100, Deduct	-30.38	
08 14 23 19-0108	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	372.43	62.92
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.59	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	133.16	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	184.94	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	295.91	
			For >50 To 100, Deduct	-21.77	
			For >100, Deduct	-31.08	
08 14 23 19-0109	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	399.58	62.92
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.85	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	147.82	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	205.31	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	328.49	
			For >50 To 100, Deduct	-23.13	
			For >100, Deduct	-33.11	
08 14 23 19-0110	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	454.44	65.54
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.80	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	174.61	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	242.52	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	388.03	
			For >50 To 100, Deduct	-26.00	
			For >100, Deduct	-37.36	
08 14 23 19-0111	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	470.64	65.54
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.75	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	183.36	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	254.67	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	407.47	
			For >50 To 100, Deduct	-26.81	
			For >100, Deduct	-38.58	
08 14 23 19-0112	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	502.96	65.54
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.63	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	200.82	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	278.91	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	446.26	
			For >50 To 100, Deduct	-28.43	
			For >100, Deduct	-41.00	

**08 14 66 Wood Screen Doors (08 14)****08 14 66 00-0001 Wood Screen Storm Door, Residential Grade (08 14 66)**

Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 14 66 00-0002	EA		2'-8" x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	469.97	151.01
08 14 66 00-0003	EA		3' x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	493.27	167.79
08 14 66 00-0004	EA		2'-8" x 7" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	469.97	151.01
08 14 66 00-0005	EA		3' x 7" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	493.27	167.79

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 14 73 Sliding Wood Doors (08 14)**

08 14 73 00-0001	<b>Sliding Pocket Door (08 14 73)</b> Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.		
08 14 73 00-0002	<b>Birch Faced Pocket Door (08 14 73 00-0001)</b> Note: Includes door, frame and trim, and all mounting and door hardware.		
08 14 73 00-0003	<b>1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0002)</b> See CSI section 08 14 73 00-0055 for all jambs and track hardware.		
08 14 73 00-0004	<b>6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0003)</b>		
08 14 73 00-0005	EA 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	507.99	36.70
	For Oak, Add	119.95	
	For Ash/Hickory, Add	174.71	
	For Walnut, Add	254.67	
	For Cherry, Add	414.16	
08 14 73 00-0006	EA 2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	523.77	39.33
	For Oak, Add	122.86	
	For Ash/Hickory, Add	178.94	
	For Walnut, Add	260.85	
	For Cherry, Add	424.21	
08 14 73 00-0007	EA 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	542.16	41.95
	For Oak, Add	126.49	
	For Ash/Hickory, Add	184.24	
	For Walnut, Add	268.56	
	For Cherry, Add	436.76	
08 14 73 00-0008	EA 2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	555.31	44.57
	For Oak, Add	128.67	
	For Ash/Hickory, Add	187.41	
	For Walnut, Add	273.19	
	For Cherry, Add	444.29	
08 14 73 00-0009	EA 2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	573.74	47.19
	For Oak, Add	132.31	
	For Ash/Hickory, Add	192.71	
	For Walnut, Add	280.91	
	For Cherry, Add	456.84	
08 14 73 00-0010	EA 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	589.52	49.82
	For Oak, Add	135.22	
	For Ash/Hickory, Add	196.94	
	For Walnut, Add	287.09	
	For Cherry, Add	466.88	
08 14 73 00-0011	EA 4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,000.27	65.54
	For Oak, Add	239.90	
	For Ash/Hickory, Add	349.41	
	For Walnut, Add	509.35	
	For Cherry, Add	828.34	
08 14 73 00-0012	EA 5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,058.16	70.79
	For Oak, Add	252.98	
	For Ash/Hickory, Add	368.47	
	For Walnut, Add	537.13	
	For Cherry, Add	873.52	
08 14 73 00-0013	EA 6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,131.88	76.03
	For Oak, Add	270.43	
	For Ash/Hickory, Add	393.88	
	For Walnut, Add	574.17	
	For Cherry, Add	933.76	
08 14 73 00-0014	<b>7' High, 1-3/8" Thick Birch Faced Wood Pocket Door (08 14 73 00-0003)</b>		
08 14 73 00-0015	EA 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	600.18	36.70
	For Oak, Add	123.27	
	For Ash/Hickory, Add	123.27	
	For Walnut, Add	202.81	
	For Cherry, Add	380.86	
08 14 73 00-0016	EA 2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	629.13	39.33
	For Oak, Add	128.81	
	For Ash/Hickory, Add	128.81	
	For Walnut, Add	211.94	
	For Cherry, Add	398.00	
08 14 73 00-0017	EA 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	650.15	41.95
	For Oak, Add	132.51	
	For Ash/Hickory, Add	132.51	
	For Walnut, Add	218.02	
	For Cherry, Add	409.43	
08 14 73 00-0018	EA 2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	668.57	44.57
	For Oak, Add	135.59	
	For Ash/Hickory, Add	135.59	
	For Walnut, Add	223.09	
	For Cherry, Add	418.95	
08 14 73 00-0019	EA 2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	684.36	47.19
	For Oak, Add	138.06	
	For Ash/Hickory, Add	138.06	
	For Walnut, Add	227.15	
	For Cherry, Add	426.56	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 73 00-0020	EA 3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	705.41	49.82
	For Oak, Add	141.76	
	For Ash/Hickory, Add	141.76	
	For Walnut, Add	233.23	
	For Cherry, Add	437.99	
08 14 73 00-0021	EA 4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,184.64	65.54
	For Oak, Add	246.53	
	For Ash/Hickory, Add	246.53	
	For Walnut, Add	405.62	
	For Cherry, Add	761.72	
08 14 73 00-0022	EA 5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,274.14	70.79
	For Oak, Add	265.02	
	For Ash/Hickory, Add	265.02	
	For Walnut, Add	436.04	
	For Cherry, Add	818.86	
08 14 73 00-0023	EA 6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,363.66	76.03
	For Oak, Add	283.51	
	For Ash/Hickory, Add	283.51	
	For Walnut, Add	466.46	
	For Cherry, Add	875.98	
08 14 73 00-0024	1-3/4" Thick, Birch Faced Wood Pocket Door <small>(08 14 73 00-0002)</small>		
	See CSI section 08 14 73 00-0055 for all jambs and track hardware.		
08 14 73 00-0025	6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door <small>(08 14 73 00-0024)</small>		
08 14 73 00-0026	EA 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	758.21	36.70
	For Oak, Add	160.25	
	For Ash/Hickory, Add	160.25	
	For Walnut, Add	263.65	
	For Cherry, Add	495.12	
08 14 73 00-0027	EA 2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	795.06	39.33
	For Oak, Add	167.64	
	For Ash/Hickory, Add	167.64	
	For Walnut, Add	275.82	
	For Cherry, Add	517.97	
08 14 73 00-0028	EA 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	816.08	41.95
	For Oak, Add	171.34	
	For Ash/Hickory, Add	171.34	
	For Walnut, Add	281.90	
	For Cherry, Add	529.40	
08 14 73 00-0029	EA 2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	839.77	44.57
	For Oak, Add	175.65	
	For Ash/Hickory, Add	175.65	
	For Walnut, Add	289.00	
	For Cherry, Add	542.73	
08 14 73 00-0030	EA 2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	860.83	47.19
	For Oak, Add	179.35	
	For Ash/Hickory, Add	179.35	
	For Walnut, Add	295.09	
	For Cherry, Add	554.15	
08 14 73 00-0031	EA 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	881.88	49.82
	For Oak, Add	183.05	
	For Ash/Hickory, Add	183.05	
	For Walnut, Add	301.17	
	For Cherry, Add	565.58	
08 14 73 00-0032	EA 4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,500.71	65.54
	For Oak, Add	320.49	
	For Ash/Hickory, Add	320.49	
	For Walnut, Add	527.31	
	For Cherry, Add	990.24	
08 14 73 00-0033	EA 5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,606.01	70.79
	For Oak, Add	342.68	
	For Ash/Hickory, Add	342.68	
	For Walnut, Add	563.81	
	For Cherry, Add	1,058.80	
08 14 73 00-0034	EA 6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,716.61	76.03
	For Oak, Add	366.10	
	For Ash/Hickory, Add	366.10	
	For Walnut, Add	602.35	
	For Cherry, Add	1,131.16	
08 14 73 00-0035	7' High, 1-3/4" Thick Birch Faced Wood Pocket Door <small>(08 14 73 00-0024)</small>		
08 14 73 00-0036	EA 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	810.89	36.70
	For Oak, Add	172.57	
	For Ash/Hickory, Add	172.57	
	For Walnut, Add	283.93	
	For Cherry, Add	532.21	
08 14 73 00-0037	EA 2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	853.01	39.33
	For Oak, Add	181.20	
	For Ash/Hickory, Add	181.20	
	For Walnut, Add	298.13	
	For Cherry, Add	559.87	
08 14 73 00-0038	EA 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	876.66	41.95
	For Oak, Add	185.52	
	For Ash/Hickory, Add	185.52	
	For Walnut, Add	305.23	
	For Cherry, Add	573.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0039	EA		2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	900.35	44.57
			For Oak, Add	189.83	
			For Ash/Hickory, Add	189.83	
			For Walnut, Add	312.33	
			For Cherry, Add	586.53	
08 14 73 00-0040	EA		2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	921.41	47.19
			For Oak, Add	193.53	
			For Ash/Hickory, Add	193.53	
			For Walnut, Add	318.41	
			For Cherry, Add	597.95	
08 14 73 00-0041	EA		3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	945.09	49.82
			For Oak, Add	197.84	
			For Ash/Hickory, Add	197.84	
			For Walnut, Add	325.51	
			For Cherry, Add	611.28	
08 14 73 00-0042	EA		4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,606.06	65.54
			For Oak, Add	345.15	
			For Ash/Hickory, Add	345.15	
			For Walnut, Add	567.87	
			For Cherry, Add	1,066.41	
08 14 73 00-0043	EA		5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,727.17	70.79
			For Oak, Add	371.03	
			For Ash/Hickory, Add	371.03	
			For Walnut, Add	610.46	
			For Cherry, Add	1,146.40	
08 14 73 00-0044	EA		6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,843.03	76.03
			For Oak, Add	395.68	
			For Ash/Hickory, Add	395.68	
			For Walnut, Add	651.02	
			For Cherry, Add	1,222.56	
<b>08 14 73 00-0045</b>			<b>8' High, 1-3/4" Thick Birch Faced Wood Pocket Door</b> (08 14 73 00-0024)		
08 14 73 00-0046	EA		2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	863.57	36.70
			For Oak, Add	184.90	
			For Ash/Hickory, Add	184.90	
			For Walnut, Add	304.22	
			For Cherry, Add	571.29	
08 14 73 00-0047	EA		2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	905.68	39.33
			For Oak, Add	193.53	
			For Ash/Hickory, Add	193.53	
			For Walnut, Add	318.41	
			For Cherry, Add	597.95	
08 14 73 00-0048	EA		2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	931.98	41.95
			For Oak, Add	198.46	
			For Ash/Hickory, Add	198.46	
			For Walnut, Add	326.53	
			For Cherry, Add	613.19	
08 14 73 00-0049	EA		2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	958.30	44.57
			For Oak, Add	203.39	
			For Ash/Hickory, Add	203.39	
			For Walnut, Add	334.64	
			For Cherry, Add	628.42	
08 14 73 00-0050	EA		2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	979.36	47.19
			For Oak, Add	207.09	
			For Ash/Hickory, Add	207.09	
			For Walnut, Add	340.72	
			For Cherry, Add	639.85	
08 14 73 00-0051	EA		3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,005.67	49.82
			For Oak, Add	212.02	
			For Ash/Hickory, Add	212.02	
			For Walnut, Add	348.83	
			For Cherry, Add	655.08	
08 14 73 00-0052	EA		4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,711.42	65.54
			For Oak, Add	369.80	
			For Ash/Hickory, Add	369.80	
			For Walnut, Add	608.43	
			For Cherry, Add	1,142.59	
08 14 73 00-0053	EA		5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,837.79	70.79
			For Oak, Add	396.92	
			For Ash/Hickory, Add	396.92	
			For Walnut, Add	653.05	
			For Cherry, Add	1,226.37	
08 14 73 00-0054	EA		6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,964.19	76.03
			For Oak, Add	424.04	
			For Ash/Hickory, Add	424.04	
			For Walnut, Add	697.67	
			For Cherry, Add	1,310.16	
<b>08 14 73 00-0055</b>			<b>Accessories</b> (08 14 73 00-0001)		
<b>08 14 73 00-0056</b>			<b>Jamb Replacement</b> (08 14 73 00-0055)		
08 14 73 00-0057	EA		4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors.....	228.98	
			For Oak, Add	19.95	
			For Ash/Hickory, Add	31.25	
			For Walnut, Add	68.32	
			For Cherry, Add	108.23	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0058	EA		5-1/4" Birch Jamb Replacement For Pocket Doors.....	234.68	
			For Oak, Add	20.59	
			For Ash/Hickory, Add	32.26	
			For Walnut, Add	70.53	
			For Cherry, Add	111.72	
08 14 73 00-0059	EA		6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors.....	271.70	
			For Oak, Add	24.78	
			For Ash/Hickory, Add	38.81	
			For Walnut, Add	84.86	
			For Cherry, Add	134.41	
<b>08 14 73 00-0060</b>			<b>Track And Hardware Replacement Kits</b> (08 14 73 00-0055)		
			Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.		
08 14 73 00-0061	EA		Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door.....	302.31	
08 14 73 00-0062	EA		2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door.....	305.10	
08 14 73 00-0063	EA		3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door.....	310.69	
08 14 73 00-0064	EA		Up To 2'-6" x 7' Door Track And Hardware Replacement For Pocket Door.....	363.81	
08 14 73 00-0065	EA		2'-8" x 7' Door Track And Hardware Replacement For Pocket Door.....	366.61	
08 14 73 00-0066	EA		3'-0" x 7' Door Track And Hardware Replacement For Pocket Door.....	372.20	
08 14 73 00-0067	EA		Up To 2'-6" x 8' Door Track And Hardware.....	391.77	
08 14 73 00-0068	EA		2'-8" x 8' Door Track And Hardware Replacement For Pocket Door.....	394.56	
08 14 73 00-0069	EA		3'-0" x 8' Door Track And Hardware Replacement For Pocket Door.....	400.15	
08 14 73 00-0070	EA		Double Door Converging Kit For Pocket Door.....	43.70	
<b>08 14 73 00-0071</b>			<b>Bi-Pass Doors</b> (08 14 73)		
			Note: Includes unfinished doors, fascia track, hangers, door guide, door stop, and pulls. 125 LB maximum door weight (each opening).		
<b>08 14 73 00-0072</b>			<b>Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors</b> (08 14 73 00-0071)		
08 14 73 00-0073	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	351.11	83.86
08 14 73 00-0074	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	384.51	89.09
08 14 73 00-0075	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	418.29	94.34
08 14 73 00-0076	EA		8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	562.32	99.58
<b>08 14 73 00-0077</b>			<b>Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors</b> (08 14 73 00-0071)		
08 14 73 00-0078	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors.....	329.86	83.86
08 14 73 00-0079	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors.....	351.39	89.09
08 14 73 00-0080	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors.....	381.84	94.34
08 14 73 00-0081	EA		8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors.....	519.83	99.58
<b>08 14 73 00-0082</b>			<b>Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors</b> (08 14 73 00-0071)		
08 14 73 00-0083	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	351.70	83.86
08 14 73 00-0084	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	383.03	89.09
08 14 73 00-0085	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	415.84	94.34
08 14 73 00-0086	EA		8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	563.51	99.58
<b>08 14 76 Bifolding Wood Doors</b> (08 14)					
<b>08 14 76 00-0001</b>			<b>Bi-Fold Wood Doors</b> (08 14 76)		
			Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes door frame and knobs.		
<b>08 14 76 00-0002</b>			<b>Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors</b> (08 14 76 00-0001)		
08 14 76 00-0003	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors.....	177.78	62.89
08 14 76 00-0004	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors.....	188.26	68.13
08 14 76 00-0005	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors.....	202.22	73.38
08 14 76 00-0006	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors.....	212.70	78.61
08 14 76 00-0007	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors.....	267.51	83.86
08 14 76 00-0008	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors.....	277.99	89.09
08 14 76 00-0009	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors.....	295.83	94.34
<b>08 14 76 00-0010</b>			<b>Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors</b> (08 14 76 00-0001)		
08 14 76 00-0011	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	186.27	62.89
08 14 76 00-0012	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	199.53	68.13
08 14 76 00-0013	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	215.35	73.38
08 14 76 00-0014	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	225.83	78.61
08 14 76 00-0015	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	285.68	83.86
08 14 76 00-0016	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	306.31	89.09
08 14 76 00-0017	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	328.01	94.34
<b>08 14 76 00-0018</b>			<b>Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors</b> (08 14 76 00-0001)		
08 14 76 00-0019	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	186.66	62.89
08 14 76 00-0020	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	204.97	68.13
08 14 76 00-0021	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	220.37	73.38



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 76 00-0022	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	230.85		78.61
08 14 76 00-0023	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	290.06		83.86
08 14 76 00-0024	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	302.30		89.09
08 14 76 00-0025	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	328.01		94.34

**08 14 76 00-0026 Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors** (08 14 76 00-0001)

08 14 76 00-0027	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors .....	438.84		62.89
08 14 76 00-0028	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors .....	499.90		68.13
08 14 76 00-0029	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors .....	569.16		73.38
08 14 76 00-0030	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors .....	579.64		78.61
08 14 76 00-0031	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors .....	793.82		83.86
08 14 76 00-0032	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors .....	905.46		89.09
08 14 76 00-0033	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors .....	1,033.51		94.34

**08 14 76 00-0034 Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors** (08 14 76 00-0001)

08 14 76 00-0035	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	555.04		62.89
08 14 76 00-0036	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	602.43		68.13
08 14 76 00-0037	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	658.02		73.38
08 14 76 00-0038	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	668.50		78.61
08 14 76 00-0039	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	1,026.22		83.86
08 14 76 00-0040	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	1,110.52		89.09
08 14 76 00-0041	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	1,211.22		94.34

**08 14 76 00-0042 Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors** (08 14 76 00-0001)

08 14 76 00-0043	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors .....	180.77		62.89
08 14 76 00-0044	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors .....	194.74		68.13
08 14 76 00-0045	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors .....	212.60		73.38
08 14 76 00-0046	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors .....	216.86		78.61
08 14 76 00-0047	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors .....	262.60		83.86
08 14 76 00-0048	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors .....	282.83		89.09
08 14 76 00-0049	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors .....	314.40		94.34

**08 15 Plastic Doors** (08 10)

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

**08 15 13 Laminated Plastic Doors** (08 15)

See CSI section 08 70 00 00-0000 for finish hardware.

**08 16 Composite Doors** (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

**08 16 13 Fiberglass Doors** (08 16)

See CSI section 08 70 00 00-0000 for finish hardware.

**08 16 13 00-0001 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors** (08 16 13)

**08 16 13 00-0002 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)** (08 16 13 00-0001)

**08 16 13 00-0003 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)** (08 16 13 00-0002)

Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.

**08 16 13 00-0004 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)** (08 16 13 00-0003)

Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

**08 16 13 00-0005 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)** (08 16 13 00-0004)

08 16 13 00-0006	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	2,391.52		62.92
		<i>For Custom Color Finish, Add</i>	123.31		
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47		
08 16 13 00-0007	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	2,552.38		65.54
		<i>For Custom Color Finish, Add</i>	123.31		
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47		
08 16 13 00-0008	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	2,797.61		70.79
		<i>For Custom Color Finish, Add</i>	123.31		
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47		

**08 Openings****08 10 Doors and Frames****08 16 Composite Doors**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 16 13 00-0009		<b>7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0004)			
08 16 13 00-0010	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,391.52		62.92
		<i>For Custom Color Finish, Add</i>	123.31		
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47		
08 16 13 00-0011	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	2,615.68		65.54
		<i>For Custom Color Finish, Add</i>	123.31		
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47		
08 16 13 00-0012	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,864.87		70.79
		<i>For Custom Color Finish, Add</i>	123.31		
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47		
08 16 13 00-0013		<b>Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0003)			
		Note: includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.			
08 16 13 00-0014		<b>45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0013)			
08 16 13 00-0015		<b>6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0014)			
08 16 13 00-0016	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	2,834.63		62.92
		<i>For Custom Color Finish, Add</i>	123.31		
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47		
08 16 13 00-0017	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	2,893.95		65.54
		<i>For Custom Color Finish, Add</i>	123.31		
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47		
08 16 13 00-0018	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	3,298.75		70.79
		<i>For Custom Color Finish, Add</i>	123.31		
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47		
08 16 13 00-0019		<b>7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0014)			
08 16 13 00-0020	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	2,834.63		62.92
		<i>For Custom Color Finish, Add</i>	123.31		
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47		
08 16 13 00-0021	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	3,099.68		65.54
		<i>For Custom Color Finish, Add</i>	123.31		
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47		
08 16 13 00-0022	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	3,375.24		70.79
		<i>For Custom Color Finish, Add</i>	123.31		
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47		
08 16 13 00-0023		<b>60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0013)			
08 16 13 00-0024		<b>6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0023)			
08 16 13 00-0025	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	2,834.63		62.92
		<i>For Custom Color Finish, Add</i>	123.31		
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47		
08 16 13 00-0026	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	2,893.95		65.54
		<i>For Custom Color Finish, Add</i>	123.31		
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47		
08 16 13 00-0027	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	3,298.75		70.79
		<i>For Custom Color Finish, Add</i>	123.31		
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47		
08 16 13 00-0028		<b>7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0023)			
08 16 13 00-0029	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	2,834.63		62.92
		<i>For Custom Color Finish, Add</i>	123.31		
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47		
08 16 13 00-0030	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	3,099.68		65.54
		<i>For Custom Color Finish, Add</i>	123.31		
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47		
08 16 13 00-0031	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	3,375.24		70.79
		<i>For Custom Color Finish, Add</i>	123.31		
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 16 13 00-0032			90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0013)</small>		
08 16 13 00-0033			6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0032)</small>		
08 16 13 00-0034	EA		3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,834.63	62.92
			<i>For Custom Color Finish, Add</i>	123.31	
			<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0035	EA		3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,893.95	65.54
			<i>For Custom Color Finish, Add</i>	123.31	
			<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0036	EA		4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,298.75	70.79
			<i>For Custom Color Finish, Add</i>	123.31	
			<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0037			7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0032)</small>		
08 16 13 00-0038	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,834.63	62.92
			<i>For Custom Color Finish, Add</i>	123.31	
			<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0039	EA		3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,099.68	65.54
			<i>For Custom Color Finish, Add</i>	123.31	
			<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0040	EA		4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,375.24	70.79
			<i>For Custom Color Finish, Add</i>	123.31	
			<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0041			Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0003)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0042			6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0041)</small>		
08 16 13 00-0043	EA		3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,527.36	62.92
			<i>For Custom Color Finish, Add</i>	123.31	
			<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0044			7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0041)</small>		
08 16 13 00-0045	EA		3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,527.36	62.92
			<i>For Custom Color Finish, Add</i>	123.31	
			<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0046			Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) <small>(08 16 13 00-0002)</small>		
08 16 13 00-0047	SI		1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf).....	0.34	
08 16 13 00-0048	SI		1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf).....	0.34	
08 16 13 00-0049	SI		1/4" Wire, Factory Installed Vision Glass (Chem-Pruf).....	0.45	
08 16 13 00-0050	SI		1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf).....	0.44	
08 16 13 00-0051	SI		Factory Installed Molded Louver (Chem-Pruf).....	0.87	
08 16 13 00-0052	SI		Factory Installed Molded Louver With Insect Screen (Chem-Pruf).....	0.97	
08 16 13 00-0053	LF		Weather Strip (Chem-Pruf).....	9.23	
08 16 13 00-0054	LF		Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf).....	11.87	
08 16 13 00-0055	LF		1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf).....	25.06	
08 16 13 00-0056	LF		Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf).....	27.69	
08 16 13 00-0057	LF		2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf).....	54.07	
08 16 13 00-0058			Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0001)</small>		
08 16 13 00-0059			Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0058)</small> Note: White, tan, brown or gray finish. Includes factory hardware prep.		
08 16 13 00-0060			Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0059)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0061			6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0060)</small>		

**08 Openings****08 10 Doors and Frames****08 16 Composite Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 16 13 00-0062	EA 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,833.12 123.31 274.47	62.92
08 16 13 00-0063	EA 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,859.10 123.31 274.47	65.54
08 16 13 00-0064	EA 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,949.38 123.31 274.47	70.79
<b>08 16 13 00-0065</b>	<b>7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0060)</small></b>		
08 16 13 00-0066	EA 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,833.12 123.31 274.47	62.92
08 16 13 00-0067	EA 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,938.89 123.31 274.47	65.54
08 16 13 00-0068	EA 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,949.38 123.31 274.47	70.79
<b>08 16 13 00-0069</b>	<b>Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0059)</small></b> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
<b>08 16 13 00-0070</b>	<b>45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0069)</small></b>		
<b>08 16 13 00-0071</b>	<b>6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0070)</small></b>		
08 16 13 00-0072	EA 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,029.92 123.31 274.47	62.92
08 16 13 00-0073	EA 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,092.61 123.31 274.47	65.54
08 16 13 00-0074	EA 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,240.33 123.31 274.47	70.79
<b>08 16 13 00-0075</b>	<b>7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0070)</small></b>		
08 16 13 00-0076	EA 3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,029.92 123.31 274.47	62.92
08 16 13 00-0077	EA 3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,114.95 123.31 274.47	65.54
08 16 13 00-0078	EA 4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,308.95 123.31 274.47	70.79
<b>08 16 13 00-0079</b>	<b>60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0069)</small></b>		
<b>08 16 13 00-0080</b>	<b>6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0079)</small></b>		
08 16 13 00-0081	EA 3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,029.92 123.31 274.47	62.92
08 16 13 00-0082	EA 3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,092.61 123.31 274.47	65.54
08 16 13 00-0083	EA 4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,240.33 123.31 274.47	70.79
<b>08 16 13 00-0084</b>	<b>7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0079)</small></b>		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 16 13 00-0085	EA		3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,029.92	62.92
				<i>For Custom Color Finish, Add</i> .....	123.31	
				<i>For Stainless Steel Continuous Hinge, Add</i> .....	274.47	
	08 16 13 00-0086	EA		3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,114.95	65.54
				<i>For Custom Color Finish, Add</i> .....	123.31	
				<i>For Stainless Steel Continuous Hinge, Add</i> .....	274.47	
	08 16 13 00-0087	EA		4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,308.95	70.79
				<i>For Custom Color Finish, Add</i> .....	123.31	
				<i>For Stainless Steel Continuous Hinge, Add</i> .....	274.47	
	08 16 13 00-0088			90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0089)</small>		
	08 16 13 00-0089			6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0088)</small>		
	08 16 13 00-0090	EA		3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,029.92	62.92
				<i>For Custom Color Finish, Add</i> .....	123.31	
				<i>For Stainless Steel Continuous Hinge, Add</i> .....	274.47	
	08 16 13 00-0091	EA		3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,092.61	65.54
				<i>For Custom Color Finish, Add</i> .....	123.31	
				<i>For Stainless Steel Continuous Hinge, Add</i> .....	274.47	
	08 16 13 00-0092	EA		4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,240.33	70.79
				<i>For Custom Color Finish, Add</i> .....	123.31	
				<i>For Stainless Steel Continuous Hinge, Add</i> .....	274.47	
	08 16 13 00-0093			7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0088)</small>		
	08 16 13 00-0094	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,029.92	62.92
				<i>For Custom Color Finish, Add</i> .....	123.31	
				<i>For Stainless Steel Continuous Hinge, Add</i> .....	274.47	
	08 16 13 00-0095	EA		3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,114.95	65.54
				<i>For Custom Color Finish, Add</i> .....	123.31	
				<i>For Stainless Steel Continuous Hinge, Add</i> .....	274.47	
	08 16 13 00-0096	EA		4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,308.95	70.79
				<i>For Custom Color Finish, Add</i> .....	123.31	
				<i>For Stainless Steel Continuous Hinge, Add</i> .....	274.47	
	08 16 13 00-0097			Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0099)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
	08 16 13 00-0098			6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0097)</small>		
	08 16 13 00-0099	EA		3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,072.48	62.92
				<i>For Custom Color Finish, Add</i> .....	123.31	
				<i>For Stainless Steel Continuous Hinge, Add</i> .....	274.47	
	08 16 13 00-0100			7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0097)</small>		
	08 16 13 00-0101	EA		3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,072.48	62.92
				<i>For Custom Color Finish, Add</i> .....	123.31	
				<i>For Stainless Steel Continuous Hinge, Add</i> .....	274.47	
	08 16 13 00-0102			Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) <small>(08 16 13 00-0098)</small>		
	08 16 13 00-0103	SI		1/4" Tempered, Factory Installed Vision Glass (Skule Door).....	0.75	
	08 16 13 00-0104	SI		1/4" Laminated, Factory Installed Vision Glass (Skule Door).....	0.78	
	08 16 13 00-0105	SI		1/4" Wire, Factory Installed Vision Glass (Skule Door).....	0.82	
	08 16 13 00-0106	SI		1/2" Insulated, Factory Installed Vision Glass (Skule Door).....	1.17	
	08 16 13 00-0107	SI		Factory Installed Molded Louver (Skule Door).....	0.47	
	08 16 13 00-0108	SI		Factory Installed Molded Louver With Insect Screen (Skule Door).....	0.74	
	08 16 13 00-0109	LF		Weather Strip (Skule Door).....	6.38	
	08 16 13 00-0110	LF		Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door).....	7.98	
	08 16 13 00-0111	LF		1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door).....	25.53	
	08 16 13 00-0112	LF		Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door).....	90.96	
	08 16 13 00-0113	LF		2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door).....	35.11	
	08 16 13 00-0114			Galvanized Insulated Poly Core Composite Doors <small>(08 16 13)</small>		
	08 16 13 00-0115	EA		3'-0" x 7'-0" x 1-3/4" Thick, Flush, 18 Gauge, Galvanized, Insulated Poly Core Composite Door (Curries 707N).....	961.03	62.92

**08 Openings****08 10 Doors and Frames****08 16 Composite Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**08 17 Integrated Door Opening Assemblies** (08 10)**08 17 23 Integrated Metal Door Opening Assemblies** (08 17)**08 17 23 00-0001****Pre-Hung Interior Door Units** (08 17 23)

Note: All pre-hung doors include door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset.

**08 17 23 00-0002****Hollow Core Doors, 1-3/8" Thick** (08 17 23 00-0001)**08 17 23 00-0003****Birch Faced** (08 17 23 00-0002)

08 17 23 00-0004	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door .....	377.09	65.54
		<i>For 8' Door Height, Add</i>	59.04	
08 17 23 00-0005	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	392.20	65.54
		<i>For 8' Door Height, Add</i>	62.67	
08 17 23 00-0006	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	412.59	68.16
		<i>For 8' Door Height, Add</i>	66.30	
08 17 23 00-0007	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	422.33	70.79
		<i>For 8' Door Height, Add</i>	67.38	
08 17 23 00-0008	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	449.74	70.79
		<i>For 8' Door Height, Add</i>	73.96	
08 17 23 00-0009	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	474.72	73.41
		<i>For 8' Door Height, Add</i>	78.70	
08 17 23 00-0010	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	706.99	107.49
		<i>For 8' Door Height, Add</i>	118.08	
08 17 23 00-0011	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	752.97	115.36
		<i>For 8' Door Height, Add</i>	125.34	
08 17 23 00-0012	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	807.94	123.22
		<i>For 8' Door Height, Add</i>	134.76	

**08 17 23 00-0013****Lauan Faced** (08 17 23 00-0002)

08 17 23 00-0014	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	344.90	65.54
		<i>For 8' Door Height, Add</i>	51.32	
08 17 23 00-0015	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	359.41	65.54
		<i>For 8' Door Height, Add</i>	54.80	
08 17 23 00-0016	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	376.88	68.16
		<i>For 8' Door Height, Add</i>	57.73	
08 17 23 00-0017	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door .....	390.77	70.79
		<i>For 8' Door Height, Add</i>	59.81	
08 17 23 00-0018	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	414.59	70.79
		<i>For 8' Door Height, Add</i>	65.52	
08 17 23 00-0019	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	437.28	73.41
		<i>For 8' Door Height, Add</i>	69.71	
08 17 23 00-0020	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	642.65	107.49
		<i>For 8' Door Height, Add</i>	102.64	
08 17 23 00-0021	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door .....	687.30	115.36
		<i>For 8' Door Height, Add</i>	109.58	
08 17 23 00-0022	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	744.89	123.22
		<i>For 8' Door Height, Add</i>	119.63	

**08 17 23 00-0023****Tempered Hardboard Faced** (08 17 23 00-0002)

08 17 23 00-0024	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	298.70	65.54
		<i>For 8' Door Height, Add</i>	40.23	
08 17 23 00-0025	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	310.93	65.54
		<i>For 8' Door Height, Add</i>	43.16	
08 17 23 00-0026	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	321.98	68.16
		<i>For 8' Door Height, Add</i>	44.56	
08 17 23 00-0027	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door .....	338.82	70.79
		<i>For 8' Door Height, Add</i>	47.34	
08 17 23 00-0028	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	360.50	70.79
		<i>For 8' Door Height, Add</i>	52.54	
08 17 23 00-0029	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	379.77	73.41
		<i>For 8' Door Height, Add</i>	55.91	
08 17 23 00-0030	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	550.23	107.49
		<i>For 8' Door Height, Add</i>	80.46	
08 17 23 00-0031	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door .....	590.38	115.36
		<i>For 8' Door Height, Add</i>	86.32	
08 17 23 00-0032	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	640.93	123.22
		<i>For 8' Door Height, Add</i>	94.68	

**08 17 23 00-0033****Solid Core Doors, 1-3/8" Thick** (08 17 23 00-0001)**08 17 23 00-0034****Birch Faced** (08 17 23 00-0033)

08 17 23 00-0035	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door .....	493.32	65.54
		<i>For 8' Door Height, Add</i>	86.94	
08 17 23 00-0036	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door .....	512.37	65.54
		<i>For 8' Door Height, Add</i>	91.51	
08 17 23 00-0037	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door .....	536.63	68.16
		<i>For 8' Door Height, Add</i>	96.07	
08 17 23 00-0038	EA	3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door.....	565.06	70.79
		<i>For 8' Door Height, Add</i>	101.64	
08 17 23 00-0039	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door .....	611.56	70.79
		<i>For 8' Door Height, Add</i>	112.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0040	EA		3'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	657.90 122.66	73.41
08 17 23 00-0041	EA		Pair 2' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	939.47 173.88	107.49
08 17 23 00-0042	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	993.29 183.02	115.36
08 17 23 00-0043	EA		Pair 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	1,093.42 203.28	123.22
<b>08 17 23 00-0044</b>			<b>Lauan Faced</b> <small>(08 17 23 00-0033)</small>		
08 17 23 00-0045	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	444.70 75.27	65.54
08 17 23 00-0046	EA		2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	461.94 79.41	65.54
08 17 23 00-0047	EA		2'-8" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	484.42 83.54	68.16
08 17 23 00-0048	EA		3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	507.06 87.72	70.79
08 17 23 00-0049	EA		3'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	547.25 97.36	70.79
08 17 23 00-0050	EA		3'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	578.46 103.59	73.41
08 17 23 00-0051	EA		Pair 2' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	842.22 150.54	107.49
08 17 23 00-0052	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	892.45 158.82	115.36
08 17 23 00-0053	EA		Pair 3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	977.40 175.43	123.22
<b>08 17 23 00-0054</b>			<b>Tempered Hardboard Faced</b> <small>(08 17 23 00-0033)</small>		
08 17 23 00-0055	EA		2'-0" - 2'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	401.40 64.88	65.54
08 17 23 00-0056	EA		2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	417.05 68.63	65.54
08 17 23 00-0057	EA		2'-8" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	438.00 72.40	68.16
08 17 23 00-0058	EA		3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	449.05 73.80	70.79
08 17 23 00-0059	EA		3'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	482.96 81.93	70.79
08 17 23 00-0060	EA		3'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	510.07 87.18	73.41
08 17 23 00-0061	PR		Pair 2' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	755.62 129.75	107.49
08 17 23 00-0062	PR		Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	802.63 137.26	115.36
08 17 23 00-0063	PR		Pair 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	861.38 147.59	123.22
<b>08 17 23 00-0064</b>			<b>Hollow Core Doors, 1-3/4" Thick</b> <small>(08 17 23 00-0001)</small>		
<b>08 17 23 00-0065</b>			<b>Birch Faced</b> <small>(08 17 23 00-0064)</small>		
08 17 23 00-0066	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	438.55 73.79	65.54
08 17 23 00-0067	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	450.16 76.58	65.54
08 17 23 00-0068	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	459.70 77.61	68.16
08 17 23 00-0069	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	483.85 82.15	70.79
08 17 23 00-0070	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	534.06 94.20	70.79
08 17 23 00-0071	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	597.97 108.27	73.41
08 17 23 00-0072	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	829.96 147.59	107.49
08 17 23 00-0073	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	868.85 153.16	115.36
08 17 23 00-0074	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	931.03 164.30	123.22
<b>08 17 23 00-0075</b>			<b>Lauan Faced</b> <small>(08 17 23 00-0064)</small>		
08 17 23 00-0076	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	402.71 65.19	65.54
08 17 23 00-0077	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	421.43 69.68	65.54
08 17 23 00-0078	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	441.87 73.33	68.16
08 17 23 00-0079	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	453.12 74.77	70.79
08 17 23 00-0080	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	487.37 82.99	70.79
08 17 23 00-0081	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	514.75 88.30	73.41

**08 Openings****08 10 Doors and Frames****08 17 Integrated Door Opening Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0082	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	758.26 130.38	107.49
08 17 23 00-0083	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	811.40 139.37	115.36
08 17 23 00-0084	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	869.56 149.55	123.22
<b>08 17 23 00-0085</b>			<b>Tempered Hardboard Faced</b> <small>(08 17 23 00-0064)</small>		
08 17 23 00-0086	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	339.92 50.12	65.54
08 17 23 00-0087	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	345.74 51.52	65.54
08 17 23 00-0088	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	362.59 54.30	68.16
08 17 23 00-0089	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	379.44 57.09	70.79
08 17 23 00-0090	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	392.69 60.27	70.79
08 17 23 00-0091	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	414.02 64.13	73.41
08 17 23 00-0092	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	632.64 100.24	107.49
08 17 23 00-0093	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	660.02 103.04	115.36
08 17 23 00-0094	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	722.20 114.18	123.22
<b>08 17 23 00-0095</b>			<b>Solid Core Doors, 1-3/4" Thick</b> <small>(08 17 23 00-0001)</small>		
<b>08 17 23 00-0096</b>			<b>Oak Or Maple Faced</b> <small>(08 17 23 00-0095)</small>		
08 17 23 00-0097	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door ..... <i>For 8' Door Height, Add</i>	656.30 126.05	65.54
08 17 23 00-0098	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door ..... <i>For 8' Door Height, Add</i>	659.50 126.82	65.54
08 17 23 00-0099	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door ..... <i>For 8' Door Height, Add</i>	691.90 133.33	68.16
08 17 23 00-0100	EA		3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door..... <i>For 8' Door Height, Add</i>	704.24 135.04	70.79
08 17 23 00-0101	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door ..... <i>For 8' Door Height, Add</i>	765.23 149.68	70.79
08 17 23 00-0102	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door ..... <i>For 8' Door Height, Add</i>	842.74 167.02	73.41
08 17 23 00-0103	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door ..... <i>For 8' Door Height, Add</i>	1,265.42 252.11	107.49
08 17 23 00-0104	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door..... <i>For 8' Door Height, Add</i>	1,287.58 253.65	115.36
08 17 23 00-0105	EA		Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door ..... <i>For 8' Door Height, Add</i>	1,371.77 270.08	123.22
<b>08 17 23 00-0106</b>			<b>Walnut Faced</b> <small>(08 17 23 00-0095)</small>		
08 17 23 00-0107	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door ..... <i>For 8' Door Height, Add</i>	820.32 165.42	65.54
08 17 23 00-0108	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door ..... <i>For 8' Door Height, Add</i>	848.98 172.30	65.54
08 17 23 00-0109	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door ..... <i>For 8' Door Height, Add</i>	863.83 174.60	68.16
08 17 23 00-0110	EA		3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door..... <i>For 8' Door Height, Add</i>	897.77 181.49	70.79
08 17 23 00-0111	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door ..... <i>For 8' Door Height, Add</i>	980.97 201.46	70.79
08 17 23 00-0112	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door ..... <i>For 8' Door Height, Add</i>	1,070.22 221.62	73.41
08 17 23 00-0113	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door ..... <i>For 8' Door Height, Add</i>	1,593.47 330.84	107.49
08 17 23 00-0114	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door..... <i>For 8' Door Height, Add</i>	1,666.50 344.59	115.36
08 17 23 00-0115	EA		Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door ..... <i>For 8' Door Height, Add</i>	1,758.86 362.98	123.22

**08 30 Specialty Doors and Frames** (08)

Note: Includes caulk, sealant and mounting anchors.

**08 31 Access Doors and Panels** (08 30)

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

**08 31 13 Access Doors and Frames** (08 31)**08 31 13 00-0001** **Stainless Steel Access Doors** (08 31 13)**08 31 13 00-0002** **Fire Rated Stainless Steel Access Doors** (08 31 13 00-0001)

08 31 13 00-0003	EA		12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch.....	390.30	68.07
08 31 13 00-0004	EA		12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	458.16	72.52
08 31 13 00-0005	EA		18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	531.42	76.70
08 31 13 00-0006	EA		24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	609.87	80.60



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 31 13 00-0007	EA	24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch.....		623.24	81.01
08 31 13 00-0008	EA	24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch.....		805.12	83.52

**08 31 13 00-0009 Stainless Steel Access Doors** (08 31 13 00-0001)

08 31 13 00-0010	EA	8" x 8" Stainless Steel Access Door With Cam Latch .....		175.56	52.20
08 31 13 00-0011	EA	12" x 12" Stainless Steel Access Door With Cam Latch .....		206.01	68.07
08 31 13 00-0012	EA	12" x 18" Stainless Steel Access Door With Cam Latch .....		281.96	72.52
08 31 13 00-0013	EA	18" x 18" Stainless Steel Access Door With Cam Latch .....		302.15	76.70
08 31 13 00-0014	EA	24" x 18" Stainless Steel Access Door With Cam Latch .....		346.84	80.60
08 31 13 00-0015	EA	24" x 24" Stainless Steel Access Door With Cam Latch .....		390.25	81.01

**08 31 13 00-0016 Steel Access Doors** (08 31 13)

Note: Includes paintable powder coated finish.

**08 31 13 00-0017 Insulated Fire Rated Steel Access Doors** (08 31 13 00-0016)

08 31 13 00-0018	EA	12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch.....		273.45	68.49
08 31 13 00-0019	EA	12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....		333.80	72.52
08 31 13 00-0020	EA	18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....		335.24	76.70
08 31 13 00-0021	EA	24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....		394.25	81.01
08 31 13 00-0022	EA	24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch.....		410.69	81.01
08 31 13 00-0023	EA	24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch.....		539.51	83.52
08 31 13 00-0024	EA	24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch.....		617.68	87.00
08 31 13 00-0025	EA	36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch.....		753.70	87.00
08 31 13 00-0026	EA	48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch.....		963.73	104.40

**08 31 13 00-0027 Steel Access Doors** (08 31 13 00-0016)

08 31 13 00-0028	EA	8" x 8" Steel Access Door With Cam Latch.....		151.41	52.47
08 31 13 00-0029	EA	12" x 12" Steel Access Door With Cam Latch.....		162.07	68.49
08 31 13 00-0030	EA	12" x 18" Steel Access Door With Cam Latch.....		184.09	72.52
08 31 13 00-0031	EA	18" x 18" Steel Access Door With Cam Latch.....		190.09	76.70
08 31 13 00-0032	EA	24" x 18" Steel Access Door With Cam Latch.....		221.72	81.01
08 31 13 00-0033	EA	24" x 24" Steel Access Door With Cam Latch.....		226.25	81.01
08 31 13 00-0034	EA	24" x 36" Steel Access Door With Cam Latch.....		292.09	83.52
08 31 13 00-0035	EA	36" x 36" Steel Access Door With Cam Latch.....		374.70	87.00

**08 31 13 00-0036 Steel Recessed Access Doors For Drywall Application** (08 31 13)

Note: Includes paintable powder coated finish.

08 31 13 00-0037	EA	8" x 8" Recessed Steel Access Door With Cam Latch.....		205.73	52.20
		<i>For Recessed Doors In Acoustical Tile, Add</i>		26.56	
08 31 13 00-0038	EA	12" x 12" Recessed Steel Access Door With Cam Latch.....		215.93	55.95
		<i>For Recessed Doors In Acoustical Tile, Add</i>		29.13	
08 31 13 00-0039	EA	12" x 18" Recessed Steel Access Door With Cam Latch.....		231.62	59.16
		<i>For Recessed Doors In Acoustical Tile, Add</i>		30.36	
08 31 13 00-0040	EA	18" x 18" Recessed Steel Access Door With Cam Latch.....		268.60	62.64
		<i>For Recessed Doors In Acoustical Tile, Add</i>		28.61	
08 31 13 00-0041	EA	24" x 18" Recessed Steel Access Door With Cam Latch.....		282.71	66.11
		<i>For Recessed Doors In Acoustical Tile, Add</i>		30.34	
08 31 13 00-0042	EA	24" x 24" Recessed Steel Access Door With Cam Latch.....		306.62	66.11
		<i>For Recessed Doors In Acoustical Tile, Add</i>		26.75	
08 31 13 00-0043	EA	24" x 36" Recessed Steel Access Door With Cam Latch.....		382.47	83.52
		<i>For Recessed Doors In Acoustical Tile, Add</i>		34.50	
08 31 13 00-0044	EA	36" x 36" Recessed Steel Access Door With Cam Latch.....		531.37	87.00
		<i>For Recessed Doors In Acoustical Tile, Add</i>		15.99	

**08 31 13 00-0045 Steel Crawl Space Doors And Frames** (08 31 13)

Note: Includes paintable powder coated finish.

08 31 13 00-0046	EA	24" x 24" Steel Crawl Space Door With Cam Latch.....		239.44	88.11
08 31 13 00-0047	EA	30" x 24" Steel Crawl Space Door With Cam Latch.....		330.50	106.77
08 31 13 00-0048	EA	30" x 30" Steel Crawl Space Door With Cam Latch.....		369.16	115.95

**08 32 Sliding Glass Doors** (08 30)

Note: Includes stock frames, trim, necessary anchors and Usual hardware.

**08 32 13 Sliding Aluminum-Framed Glass Doors** (08 32)

**08 32 13 00-0001 Residential Sliding Aluminum-Framed Glass Doors** (08 32 13)

**08 32 13 00-0002 5/8" Insulating Glass, Sliding Aluminum-Framed Glass Doors** (08 32 13 00-0001)

08 32 13 00-0003	SF	Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware.....		28.01	4.71
		<i>For Custom Quality, Add</i>		3.88	
		<i>For Tempered Glass, Add</i>		1.42	
		<i>For Anodized Or Colored Aluminum Frames, Add</i>		2.80	
08 32 13 00-0004	SF	>6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware.....		22.12	2.93
		<i>For Custom Quality, Add</i>		3.71	
		<i>For Tempered Glass, Add</i>		1.42	
		<i>For Anodized Or Colored Aluminum Frames, Add</i>		2.67	

**08 32 13 00-0005 1" Insulating Glass, Sliding Aluminum-Framed Glass Doors** (08 32 13 00-0001)

**08 Openings****08 30 Specialty Doors and Frames****08 32 Sliding Glass Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 32 13 00-0006	SF	Up To 6' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware .....	30.79	4.71
		<i>For Custom Quality, Add</i>	4.58	
		<i>For Tempered Glass, Add</i>	1.42	
		<i>For Anodized Or Colored Aluminum Frames, Add</i>	3.30	
08 32 13 00-0007	SF	>6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware .....	24.86	2.93
		<i>For Custom Quality, Add</i>	4.40	
		<i>For Tempered Glass, Add</i>	1.42	
		<i>For Anodized Or Colored Aluminum Frames, Add</i>	3.16	

**08 32 19 Sliding Wood-Framed Glass Doors (08 32)****08 32 19 00-0001 Residential Wood Sliding Doors With 5/8" Glass (08 32 19)**

08 32 19 00-0002	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware .....	1,965.25	141.57
08 32 19 00-0003	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware .....	2,399.15	173.03
08 32 19 00-0004	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware .....	2,772.29	199.25
08 32 19 00-0005	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware .....	2,160.97	141.57
08 32 19 00-0006	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware .....	2,651.93	173.03
08 32 19 00-0007	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware .....	3,085.12	199.25

**08 33 Coiling Doors and Grilles (08 30)****08 33 13 Coiling Counter Doors (08 33)****08 33 13 00-0001 Overhead Rolling Counter Doors (08 33 13)****08 33 13 00-0002 Galvanized Steel Overhead Rolling Counter Doors (08 33 13 00-0001)**

Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0003	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	5,393.82	380.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.17	
08 33 13 00-0004	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	5,663.04	380.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.17	
08 33 13 00-0005	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	6,114.85	404.47
		<i>For Motor Operator (With Safety Reverse), Add</i>	749.97	
08 33 13 00-0006	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	6,568.09	475.85
		<i>For Motor Operator (With Safety Reverse), Add</i>	768.37	
08 33 13 00-0007	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	6,605.31	380.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.17	
08 33 13 00-0008	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	6,912.97	422.93
		<i>For Motor Operator (With Safety Reverse), Add</i>	755.74	
08 33 13 00-0009	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	7,089.87	439.88
		<i>For Motor Operator (With Safety Reverse), Add</i>	759.97	
08 33 13 00-0010	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	7,516.28	475.85
		<i>For Motor Operator (With Safety Reverse), Add</i>	768.96	

**08 33 13 00-0011 Stainless Steel Overhead Rolling Counter Doors (08 33 13 00-0001)**

Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0012	EA	4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) .....	6,066.87	380.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.17	
08 33 13 00-0013	EA	6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) .....	6,807.23	380.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.17	
08 33 13 00-0014	EA	8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) .....	6,989.81	404.47
		<i>For Motor Operator (With Safety Reverse), Add</i>	749.97	
08 33 13 00-0015	EA	10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) .....	8,519.93	475.85
		<i>For Motor Operator (With Safety Reverse), Add</i>	768.37	
08 33 13 00-0016	EA	4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) .....	7,278.36	380.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.17	
08 33 13 00-0017	EA	6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) .....	7,518.71	422.93
		<i>For Motor Operator (With Safety Reverse), Add</i>	755.74	
08 33 13 00-0018	EA	8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) .....	7,695.62	439.88
		<i>For Motor Operator (With Safety Reverse), Add</i>	759.97	
08 33 13 00-0019	EA	10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) .....	9,804.65	475.85
		<i>For Motor Operator (With Safety Reverse), Add</i>	768.96	

**08 33 13 00-0020 Aluminum Overhead Rolling Counter Doors (08 33 13 00-0001)**

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0021	EA	4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) .....	5,932.26	380.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.17	
08 33 13 00-0022	EA	6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) .....	6,201.48	380.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.17	
08 33 13 00-0023	EA	8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) .....	6,922.51	404.47
		<i>For Motor Operator (With Safety Reverse), Add</i>	749.97	
08 33 13 00-0024	EA	10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) .....	8,183.41	475.85
		<i>For Motor Operator (With Safety Reverse), Add</i>	768.37	
08 33 13 00-0025	EA	4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) .....	7,143.75	380.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.17	
08 33 13 00-0026	EA	6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) .....	7,451.41	422.93
		<i>For Motor Operator (With Safety Reverse), Add</i>	755.74	
08 33 13 00-0027	EA	8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) .....	7,661.97	439.88
		<i>For Motor Operator (With Safety Reverse), Add</i>	759.97	
08 33 13 00-0028	EA	10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) .....	9,670.04	475.85
		<i>For Motor Operator (With Safety Reverse), Add</i>	768.96	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 33 13 00-0029**

**Galvanized Steel Overhead Rolling Counter Fire Doors** (08 33 13 00-0001)

Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0030	EA 4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640).....	7,009.14		380.68
	<i>For Motor Operator (With Safety Reverse), Add</i>	745.17		
08 33 13 00-0031	EA 6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640).....	7,412.97		380.68
	<i>For Motor Operator (With Safety Reverse), Add</i>	745.17		
08 33 13 00-0032	EA 8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640).....	7,999.39		404.47
	<i>For Motor Operator (With Safety Reverse), Add</i>	749.97		
08 33 13 00-0033	EA 10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640).....	8,587.24		475.85
	<i>For Motor Operator (With Safety Reverse), Add</i>	768.37		
08 33 13 00-0034	EA 4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640).....	7,816.80		380.68
	<i>For Motor Operator (With Safety Reverse), Add</i>	745.17		
08 33 13 00-0035	EA 6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640).....	8,191.76		422.93
	<i>For Motor Operator (With Safety Reverse), Add</i>	755.74		
08 33 13 00-0036	EA 8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640).....	8,503.28		439.88
	<i>For Motor Operator (With Safety Reverse), Add</i>	759.97		
08 33 13 00-0037	EA 10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640).....	8,727.77		475.85
	<i>For Motor Operator (With Safety Reverse), Add</i>	768.96		

**08 33 13 00-0038**

**Stainless Steel Overhead Rolling Counter Fire Doors** (08 33 13 00-0001)

Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0039	EA 4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	7,951.41		380.68
	<i>For Motor Operator (With Safety Reverse), Add</i>	745.17		
08 33 13 00-0040	EA 6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	9,028.29		380.68
	<i>For Motor Operator (With Safety Reverse), Add</i>	745.17		
08 33 13 00-0041	EA 8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	9,210.88		404.47
	<i>For Motor Operator (With Safety Reverse), Add</i>	749.97		
08 33 13 00-0042	EA 10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	11,279.44		475.85
	<i>For Motor Operator (With Safety Reverse), Add</i>	768.37		
08 33 13 00-0043	EA 4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	8,624.46		380.68
	<i>For Motor Operator (With Safety Reverse), Add</i>	745.17		
08 33 13 00-0044	EA 6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	8,932.11		422.93
	<i>For Motor Operator (With Safety Reverse), Add</i>	755.74		
08 33 13 00-0045	EA 8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	9,243.63		439.88
	<i>For Motor Operator (With Safety Reverse), Add</i>	759.97		
08 33 13 00-0046	EA 10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	11,419.97		475.85
	<i>For Motor Operator (With Safety Reverse), Add</i>	768.96		

**08 33 13 00-0047**

**Integral Frame And Sill, Overhead Rolling Counter Doors** (08 33 13)

**08 33 13 00-0048**

**Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill** (08 33 13 00-0047)

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0049	EA 4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	11,451.27		380.68
	<i>For Motor Operator (With Safety Reverse), Add</i>	745.17		
08 33 13 00-0050	EA 6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	11,720.49		380.68
	<i>For Motor Operator (With Safety Reverse), Add</i>	745.17		
08 33 13 00-0051	EA 8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	12,037.69		404.47
	<i>For Motor Operator (With Safety Reverse), Add</i>	749.97		
08 33 13 00-0052	EA 10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	12,490.93		475.85
	<i>For Motor Operator (With Safety Reverse), Add</i>	768.37		
08 33 13 00-0053	EA 4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	11,855.10		380.68
	<i>For Motor Operator (With Safety Reverse), Add</i>	745.17		
08 33 13 00-0054	EA 6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	12,230.06		422.93
	<i>For Motor Operator (With Safety Reverse), Add</i>	755.74		
08 33 13 00-0055	EA 8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	12,541.58		439.88
	<i>For Motor Operator (With Safety Reverse), Add</i>	759.97		
08 33 13 00-0056	EA 10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	13,977.56		475.85
	<i>For Motor Operator (With Safety Reverse), Add</i>	768.96		

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 33 13 00-0057		<b>Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill</b> <small>(08 33 13 00-0047)</small>			
		Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.			
08 33 13 00-0058	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	10,105.17		380.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.17		
08 33 13 00-0059	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	10,374.39		380.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.17		
08 33 13 00-0060	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	10,691.59		404.47
		<i>For Motor Operator (With Safety Reverse), Add</i>	749.97		
08 33 13 00-0061	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	11,144.83		475.85
		<i>For Motor Operator (With Safety Reverse), Add</i>	768.37		
08 33 13 00-0062	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	11,316.66		380.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.17		
08 33 13 00-0063	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	11,691.62		422.93
		<i>For Motor Operator (With Safety Reverse), Add</i>	755.74		
08 33 13 00-0064	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	12,137.75		439.88
		<i>For Motor Operator (With Safety Reverse), Add</i>	759.97		
08 33 13 00-0065	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	12,496.85		475.85
		<i>For Motor Operator (With Safety Reverse), Add</i>	768.96		
08 33 13 00-0066		<b>Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill</b> <small>(08 33 13 00-0047)</small>			
		Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.			
08 33 13 00-0067	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	15,758.79		380.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.17		
08 33 13 00-0068	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	17,104.89		380.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.17		
08 33 13 00-0069	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	19,845.07		404.47
		<i>For Motor Operator (With Safety Reverse), Add</i>	749.97		
08 33 13 00-0070	EA	10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	21,375.19		475.85
		<i>For Motor Operator (With Safety Reverse), Add</i>	768.37		
08 33 13 00-0071	EA	4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	17,777.94		380.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.17		
08 33 13 00-0072	EA	6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	19,229.78		422.93
		<i>For Motor Operator (With Safety Reverse), Add</i>	755.74		
08 33 13 00-0073	EA	8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	21,291.23		439.88
		<i>For Motor Operator (With Safety Reverse), Add</i>	759.97		
08 33 13 00-0074	EA	10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	24,073.31		475.85
		<i>For Motor Operator (With Safety Reverse), Add</i>	768.96		
08 33 13 00-0075		<b>Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill</b> <small>(08 33 13 00-0047)</small>			
		Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.			
08 33 13 00-0076	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	13,335.81		380.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.17		
08 33 13 00-0077	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	13,605.03		380.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.17		
08 33 13 00-0078	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	14,191.45		404.47
		<i>For Motor Operator (With Safety Reverse), Add</i>	749.97		
08 33 13 00-0079	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	15,317.74		475.85
		<i>For Motor Operator (With Safety Reverse), Add</i>	768.37		
08 33 13 00-0080	EA	4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	14,143.47		380.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.17		
08 33 13 00-0081	EA	6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	15,056.87		422.93
		<i>For Motor Operator (With Safety Reverse), Add</i>	755.74		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 13 00-0082	EA		8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	15,906.83	439.88
			<i>For Motor Operator (With Safety Reverse), Add</i>	759.97	
08 33 13 00-0083	EA		10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	18,688.91	475.85
			<i>For Motor Operator (With Safety Reverse), Add</i>	768.96	

**08 33 13 00-0084 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood** (08 33 13 00-0047)

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0085	EA		4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660).....	19,124.04	380.68
			<i>For Motor Operator (With Safety Reverse), Add</i>	745.17	
08 33 13 00-0086	EA		6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660).....	19,797.09	380.68
			<i>For Motor Operator (With Safety Reverse), Add</i>	745.17	
08 33 13 00-0087	EA		8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660).....	22,537.27	404.47
			<i>For Motor Operator (With Safety Reverse), Add</i>	749.97	

**08 33 13 00-0088 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood** (08 33 13 00-0047)

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0089	EA		4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661).....	14,412.69	380.68
			<i>For Motor Operator (With Safety Reverse), Add</i>	745.17	
08 33 13 00-0090	EA		6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661).....	19,797.09	380.68
			<i>For Motor Operator (With Safety Reverse), Add</i>	745.17	
08 33 13 00-0091	EA		8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661).....	22,537.27	404.47
			<i>For Motor Operator (With Safety Reverse), Add</i>	749.97	

**08 33 13 00-0092 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood** (08 33 13 00-0047)

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0093	EA		4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662).....	12,528.15	380.68
			<i>For Motor Operator (With Safety Reverse), Add</i>	745.17	
08 33 13 00-0094	EA		6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662).....	14,143.47	380.68
			<i>For Motor Operator (With Safety Reverse), Add</i>	745.17	
08 33 13 00-0095	EA		8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662).....	15,133.72	404.47
			<i>For Motor Operator (With Safety Reverse), Add</i>	749.97	
08 33 13 00-0096	EA		10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662).....	16,663.84	475.85
			<i>For Motor Operator (With Safety Reverse), Add</i>	768.37	

**08 33 16 Coiling Counter Grilles** (08 33)

**08 33 16 00-0001 Galvanized Steel Overhead Coiling Counter Grilles (Width x Height)** (08 33 16)

08 33 16 00-0002	EA		4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	1,845.33	166.55
			<i>For Lexan Lattice Pattern, Add</i>	205.42	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	88.42	
			<i>For Staggered Brick Pattern, Add</i>	157.41	
08 33 16 00-0003	EA		6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,020.47	166.55
			<i>For Lexan Lattice Pattern, Add</i>	231.69	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	121.68	
			<i>For Staggered Brick Pattern, Add</i>	213.55	
08 33 16 00-0004	EA		8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,355.86	222.03
			<i>For Lexan Lattice Pattern, Add</i>	258.21	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	154.94	
			<i>For Staggered Brick Pattern, Add</i>	269.69	
08 33 16 00-0005	EA		12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,777.35	222.03
			<i>For Lexan Lattice Pattern, Add</i>	321.43	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	221.46	
			<i>For Staggered Brick Pattern, Add</i>	381.96	
08 33 16 00-0006	EA		16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	3,785.08	333.09
			<i>For Lexan Lattice Pattern, Add</i>	425.01	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	331.76	
			<i>For Staggered Brick Pattern, Add</i>	503.66	
08 33 16 00-0007	EA		18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,288.32	380.68
			<i>For Lexan Lattice Pattern, Add</i>	476.80	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	331.76	
			<i>For Staggered Brick Pattern, Add</i>	503.66	

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

08 33 16 00-0008	EA 20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,792.81	443.96
	<i>For Lexan Lattice Pattern, Add</i>	528.58	
	<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	442.06	
	<i>For Staggered Brick Pattern, Add</i>	625.36	
08 33 16 00-0009	EA 24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	5,966.92	532.94
	<i>For Lexan Lattice Pattern, Add</i>	666.27	
	<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	530.48	
	<i>For Staggered Brick Pattern, Add</i>	646.66	
08 33 16 00-0010	EA 30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	7,332.68	666.19
	<i>For Lexan Lattice Pattern, Add</i>	814.40	
	<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	620.91	
	<i>For Staggered Brick Pattern, Add</i>	742.30	
08 33 16 00-0011	EA 4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	1,979.03	166.55
	<i>For Lexan Lattice Pattern, Add</i>	225.48	
	<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	132.61	
	<i>For Staggered Brick Pattern, Add</i>	182.89	
08 33 16 00-0012	EA 6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,230.57	166.55
	<i>For Lexan Lattice Pattern, Add</i>	263.21	
	<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	198.91	
	<i>For Staggered Brick Pattern, Add</i>	248.73	
08 33 16 00-0013	EA 8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,537.56	222.13
	<i>For Lexan Lattice Pattern, Add</i>	285.47	
	<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	265.19	
	<i>For Staggered Brick Pattern, Add</i>	314.57	
08 33 16 00-0014	EA 12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	3,023.20	222.13
	<i>For Lexan Lattice Pattern, Add</i>	358.31	
	<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	397.86	
	<i>For Staggered Brick Pattern, Add</i>	446.25	
08 33 16 00-0015	EA 16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,129.92	333.09
	<i>For Lexan Lattice Pattern, Add</i>	476.73	
	<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	530.48	
	<i>For Staggered Brick Pattern, Add</i>	614.32	
08 33 16 00-0016	EA 18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,682.64	380.68
	<i>For Lexan Lattice Pattern, Add</i>	535.95	
	<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	530.48	
	<i>For Staggered Brick Pattern, Add</i>	614.32	
08 33 16 00-0017	EA 20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	5,233.25	443.96
	<i>For Lexan Lattice Pattern, Add</i>	595.16	
	<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	663.11	
	<i>For Staggered Brick Pattern, Add</i>	782.39	
08 33 16 00-0018	EA 24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	6,542.06	532.94
	<i>For Lexan Lattice Pattern, Add</i>	752.54	
	<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	795.72	
	<i>For Staggered Brick Pattern, Add</i>	901.94	
08 33 16 00-0019	EA 30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	7,905.51	666.19
	<i>For Lexan Lattice Pattern, Add</i>	900.32	
	<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	926.43	
	<i>For Staggered Brick Pattern, Add</i>	1,011.13	

**08 33 23 Overhead Coiling Doors** (08 33)

Note: Includes panels, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.  
Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0945 for forklift.

**08 33 23 11 Overhead Coiling Doors** (08 33 23)

Note: Excludes lifting equipment (forklift or scissor lift) where required.

**08 33 23 11-0001 Galvanized Steel Overhead Coiling Doors (Width x Height)** (08 33 23 11)

Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

**08 33 23 11-0002 26 Gauge Galvanized Steel Overhead Coiling Doors** (08 33 23 11-0001)

08 33 23 11-0003	EA 4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,153.58	494.85
08 33 23 11-0004	EA 4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,234.38	523.96
08 33 23 11-0005	EA 5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,231.74	523.96
08 33 23 11-0006	EA 5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,315.98	553.06
08 33 23 11-0007	EA 6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,339.01	567.64
08 33 23 11-0008	EA 6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,452.06	611.28
08 33 23 11-0009	EA 6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,546.13	640.39
08 33 23 11-0010	EA 8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,520.09	640.39
08 33 23 11-0011	EA 8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,568.07	654.94
08 33 23 11-0012	EA 8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,624.44	669.50
08 33 23 11-0013	EA 8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,735.38	698.61
08 33 23 11-0014	EA 10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,620.81	669.50
08 33 23 11-0015	EA 10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,718.04	698.61
08 33 23 11-0016	EA 10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,828.29	727.72
08 33 23 11-0017	EA 10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,913.39	756.82

**08 33 23 11-0018 24 Gauge Galvanized Steel Overhead Coiling Doors** (08 33 23 11-0001)

Note: With curtain hood (barrel cover).

08 33 23 11-0019	EA 8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,717.95	736.45
	<i>For Insulated, Add</i>	1,044.26	
08 33 23 11-0020	EA 8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,794.52	753.19
	<i>For Insulated, Add</i>	1,079.05	
08 33 23 11-0021	EA 8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,021.11	803.40
	<i>For Insulated, Add</i>	1,181.25	
08 33 23 11-0022	EA 8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,219.35	836.87
	<i>For Insulated, Add</i>	1,284.74	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23 11-0023	EA			10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	2,905.06 1,139.40	769.92
08 33 23 11-0024	EA			10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,137.10 1,223.05	836.87
08 33 23 11-0025	EA			10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,302.19 1,301.68	870.35
08 33 23 11-0026	EA			10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,510.59 1,412.79	903.82
08 33 23 11-0027	EA			12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,100.59 1,240.86	803.40
08 33 23 11-0028	EA			12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,281.24 1,331.16	836.87
08 33 23 11-0029	EA			12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,528.86 1,426.49	903.82
08 33 23 11-0030	EA			12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,793.69 1,585.81	932.93
08 33 23 11-0031	EA			14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,888.62 1,578.41	991.15
08 33 23 11-0032	EA			14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	4,241.71 1,764.65	1,049.37
08 33 23 11-0033	EA			14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	4,609.17 1,961.64	1,107.59

**08 33 23 11-0034 22 Gauge Galvanized Steel Overhead Coiling Doors** (08 33 23 11-0001)

Note: With curtain hood (barrel cover).

08 33 23 11-0035	EA			4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	2,398.40 904.01	662.80
08 33 23 11-0036	EA			4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	2,579.38 990.00	699.63
08 33 23 11-0037	EA			4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	2,708.43 1,047.50	728.74
08 33 23 11-0038	EA			6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	2,739.38 1,010.58	773.27
08 33 23 11-0039	EA			6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,005.94 1,111.08	846.92
08 33 23 11-0040	EA			6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,173.75 1,197.65	876.02
08 33 23 11-0041	EA			6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,569.30 1,455.01	905.13
08 33 23 11-0042	EA			6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,993.95 1,714.55	948.80
08 33 23 11-0043	EA			8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	2,976.10 1,113.62	828.50
08 33 23 11-0044	EA			8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,218.51 1,220.84	883.74
08 33 23 11-0045	EA			8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,412.22 1,316.37	920.57
08 33 23 11-0046	EA			8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,792.68 1,562.42	949.68
08 33 23 11-0047	EA			8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	4,202.22 1,810.63	993.34
08 33 23 11-0048	EA			10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,509.11 1,339.36	957.38
08 33 23 11-0049	EA			10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,760.55 1,478.20	994.21
08 33 23 11-0050	EA			10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	4,214.23 1,739.87	1,052.43
08 33 23 11-0051	EA			10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	4,726.13 2,005.89	1,139.76
08 33 23 11-0052	EA			10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	5,255.64 2,245.85	1,256.18
08 33 23 11-0053	EA			10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	5,843.37 2,490.17	1,401.73
08 33 23 11-0054	EA			10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	6,489.32 2,738.84	1,576.38
08 33 23 11-0055	EA			10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	7,192.23 2,990.95	1,780.14
08 33 23 11-0056	EA			12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,772.47 1,487.14	994.21
08 33 23 11-0057	EA			12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	4,020.87 1,630.22	1,026.23
08 33 23 11-0058	EA			12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	4,583.91 1,973.90	1,084.45
08 33 23 11-0059	EA			12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	5,205.15 2,321.94	1,171.77
08 33 23 11-0060	EA			12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	5,822.63 2,627.87	1,288.20
08 33 23 11-0061	EA			12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	6,498.35 2,938.17	1,433.75
08 33 23 11-0062	EA			12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	7,232.27 3,252.83	1,608.40
08 33 23 11-0063	EA			12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	8,082.60 3,576.21	1,841.27

**08 33 23 11-0064 20 Gauge Galvanized Steel Overhead Coiling Doors** (08 33 23 11-0001)

Note: With curtain hood (barrel cover)

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0065	EA	14' x 10', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	4,595.18 1,883.56	1,157.66
08 33 23 11-0066	EA	14' x 12', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	5,021.17 2,124.46	1,215.87
08 33 23 11-0067	EA	14' x 14', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	5,529.49 2,427.11	1,274.09
08 33 23 11-0068	EA	14' x 16', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	6,044.57 2,695.52	1,361.42
08 33 23 11-0069	EA	14' x 18', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	6,645.98 2,989.40	1,477.86
08 33 23 11-0070	EA	14' x 20', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	7,246.88 3,282.88	1,594.28
08 33 23 11-0071	EA	14' x 22', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	8,462.14 3,997.85	1,739.83
08 33 23 11-0072	EA	14' x 24', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	9,735.64 4,717.19	1,914.48
08 33 23 11-0073	EA	16' x 10', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	5,513.85 2,338.12	1,331.31
08 33 23 11-0074	EA	16' x 12', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	5,995.20 2,620.54	1,389.53
08 33 23 11-0075	EA	16' x 14', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	6,426.48 2,865.40	1,447.74
08 33 23 11-0076	EA	16' x 16', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	6,930.45 3,125.49	1,535.07
08 33 23 11-0077	EA	16' x 18', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	7,534.39 3,421.26	1,651.50
08 33 23 11-0078	EA	16' x 20', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	8,217.19 3,776.18	1,767.94
08 33 23 11-0079	EA	16' x 22', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	9,239.94 4,346.76	1,913.48
08 33 23 11-0080	EA	16' x 24', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	10,328.50 4,927.40	2,088.13
08 33 23 11-0081	EA	18' x 10', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	5,981.04 2,463.81	1,497.73
08 33 23 11-0082	EA	18' x 12', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	6,414.33 2,710.19	1,555.95
08 33 23 11-0083	EA	18' x 14', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	7,103.70 3,109.33	1,643.28
08 33 23 11-0084	EA	18' x 16', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	7,754.33 3,440.11	1,759.70
08 33 23 11-0085	EA	18' x 18', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	8,467.05 3,778.17	1,905.25
08 33 23 11-0086	EA	18' x 20', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	9,238.50 4,120.98	2,079.90
08 33 23 11-0087	EA	18' x 22', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	10,518.94 4,806.23	2,283.66
08 33 23 11-0088	EA	18' x 24', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	11,880.68 5,513.16	2,516.53
08 33 23 11-0089	EA	20' x 10', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	6,840.39 2,805.04	1,722.39
08 33 23 11-0090	EA	20' x 12', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	7,645.80 3,330.50	1,780.61
08 33 23 11-0091	EA	20' x 14', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	8,684.23 3,670.23	2,105.91
08 33 23 11-0092	EA	20' x 16', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	9,552.54 4,203.56	2,193.24
08 33 23 11-0093	EA	20' x 18', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	10,600.81 4,832.58	2,309.67
08 33 23 11-0094	EA	20' x 20', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	11,764.63 5,548.26	2,426.11
08 33 23 11-0095	EA	20' x 22', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	12,992.13 6,272.40	2,571.65
08 33 23 11-0096	EA	20' x 24', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	14,296.93 7,015.22	2,746.30
08 33 23 11-0097	EA	22' x 10', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	7,540.66 2,902.93	2,038.96
08 33 23 11-0098	EA	22' x 12', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	8,451.33 3,468.04	2,126.29
08 33 23 11-0099	EA	22' x 14', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	9,699.57 4,147.38	2,316.50
08 33 23 11-0100	EA	22' x 16', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	10,820.07 4,869.86	2,403.82
08 33 23 11-0101	EA	22' x 18', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	12,002.41 5,599.43	2,520.25
08 33 23 11-0102	EA	22' x 20', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	13,299.89 6,415.35	2,636.69
08 33 23 11-0103	EA	22' x 22', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	14,659.38 7,238.49	2,782.24
08 33 23 11-0104	EA	22' x 24', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	16,069.41 8,060.23	2,956.88
08 33 23 11-0105	EA	24' x 10', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	8,309.65 3,204.36	2,242.85
08 33 23 11-0106	EA	24' x 12', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	8,929.23 3,590.44	2,301.07
08 33 23 11-0107	EA	24' x 14', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	10,245.39 4,498.98	2,359.28
08 33 23 11-0108	EA	24' x 16', 20	Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	11,491.54 5,315.70	2,446.61



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 33 23	11-0109	EA	24' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	12,748.74 6,101.41	2,563.05
	08 33 23	11-0110	EA	24' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	14,120.21 6,972.83	2,679.48
	08 33 23	11-0111	EA	24' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	14,410.42 7,906.71	2,149.81
	08 33 23	11-0112	EA	24' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	17,501.71 9,076.69	2,999.68
<b>08 33 23</b>	<b>11-0113</b>	<b>18 Gauge Galvanized Steel Overhead Coiling Doors</b> <small>(08 33 23 11-0001)</small>				
				Note: With curtain hood (barrel cover).		
	08 33 23	11-0114	EA	14' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	4,937.16 2,140.04	1,157.66
	08 33 23	11-0115	EA	14' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	5,409.58 2,415.77	1,215.87
	08 33 23	11-0116	EA	14' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	5,976.69 2,762.51	1,274.09
	08 33 23	11-0117	EA	14' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	6,542.84 3,069.23	1,361.42
	08 33 23	11-0118	EA	14' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	7,199.52 3,404.56	1,477.86
	08 33 23	11-0119	EA	14' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	7,855.63 3,739.44	1,594.28
	08 33 23	11-0120	EA	14' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	9,209.52 4,558.38	1,739.83
	08 33 23	11-0121	EA	14' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	10,621.63 5,381.69	1,914.48
	08 33 23	11-0122	EA	16' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	5,941.53 2,658.88	1,331.31
	08 33 23	11-0123	EA	16' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	6,477.62 2,982.36	1,389.53
	08 33 23	11-0124	EA	16' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	6,956.13 3,262.64	1,447.74
	08 33 23	11-0125	EA	16' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	7,509.50 3,559.78	1,535.07
	08 33 23	11-0126	EA	16' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	8,169.09 3,897.29	1,651.50
	08 33 23	11-0127	EA	16' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	8,919.40 4,302.83	1,767.94
	08 33 23	11-0128	EA	16' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	10,051.89 4,955.72	1,913.48
	08 33 23	11-0129	EA	16' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	11,251.33 5,619.52	2,088.13
	08 33 23	11-0130	EA	18' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	6,428.88 2,799.69	1,497.73
	08 33 23	11-0131	EA	18' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	6,909.68 3,081.70	1,555.95
	08 33 23	11-0132	EA	18' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	7,676.27 3,538.75	1,643.28
	08 33 23	11-0133	EA	18' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	8,389.56 3,916.53	1,759.70
	08 33 23	11-0134	EA	18' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	9,165.52 4,302.03	1,905.25
	08 33 23	11-0135	EA	18' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	10,000.30 4,692.33	2,079.90
	08 33 23	11-0136	EA	18' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	11,411.67 5,475.78	2,283.66
	08 33 23	11-0137	EA	18' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	12,907.81 6,283.51	2,516.53
	08 33 23	11-0138	EA	20' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	7,349.73 3,187.04	1,722.39
	08 33 23	11-0139	EA	20' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	8,258.48 3,790.01	1,780.61
	08 33 23	11-0140	EA	20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	9,181.16 4,042.93	2,105.91
	08 33 23	11-0141	EA	20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	10,126.55 4,634.07	2,193.24
	08 33 23	11-0142	EA	20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	11,265.42 5,331.04	2,309.67
	08 33 23	11-0143	EA	20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	12,532.69 6,124.30	2,426.11
	08 33 23	11-0144	EA	20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	13,864.23 6,926.47	2,571.65
	08 33 23	11-0145	EA	20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	15,275.20 7,748.92	2,746.30
	08 33 23	11-0146	EA	22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	7,925.40 3,191.49	2,038.96
	08 33 23	11-0147	EA	22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	8,917.86 3,817.94	2,126.29
	08 33 23	11-0148	EA	22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	10,262.52 4,569.59	2,316.50
	08 33 23	11-0149	EA	22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	11,488.11 5,370.89	2,403.82
	08 33 23	11-0150	EA	22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	12,775.95 6,179.58	2,520.25
	08 33 23	11-0151	EA	22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	14,191.71 7,084.22	2,636.69

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 33 Coiling Doors and Grilles**

MINOR TOTAL DIRECT DEMOLITION  
 CSI UOM DESCRIPTION UNIT COST UNIT COST

08 33 23 11-0152	EA	22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	15,669.92	2,782.24
		<i>For Insulated, Add</i>	7,996.40	
08 33 23 11-0153	EA	22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	17,197.81	2,956.88
		<i>For Insulated, Add</i>	8,906.53	
08 33 23 11-0154	EA	24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,734.53	2,242.85
		<i>For Insulated, Add</i>	3,523.02	
08 33 23 11-0155	EA	24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,410.01	2,301.07
		<i>For Insulated, Add</i>	3,951.03	
08 33 23 11-0156	EA	24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,859.48	2,359.28
		<i>For Insulated, Add</i>	4,959.55	
08 33 23 11-0157	EA	24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,224.67	2,446.61
		<i>For Insulated, Add</i>	5,865.55	
08 33 23 11-0158	EA	24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	13,595.69	2,563.05
		<i>For Insulated, Add</i>	6,736.63	
08 33 23 11-0159	EA	24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	15,093.68	2,679.48
		<i>For Insulated, Add</i>	7,702.93	
08 33 23 11-0160	EA	24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	15,533.99	2,149.81
		<i>For Insulated, Add</i>	8,749.41	
08 33 23 11-0161	EA	24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	18,779.75	2,999.68
		<i>For Insulated, Add</i>	10,035.22	

**08 33 23 11-0162 Aluminum Overhead Coiling Doors (Width x Height) (08 33 23 11)**

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

**08 33 23 11-0163 0.04" Aluminum Overhead Coiling Doors (08 33 23 11-0162)**

08 33 23 11-0164	EA	4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,362.76	662.80
08 33 23 11-0165	EA	4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,538.14	699.63
08 33 23 11-0166	EA	4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,975.77	728.74
08 33 23 11-0167	EA	6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,890.93	773.27
08 33 23 11-0168	EA	6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,164.01	846.92
08 33 23 11-0169	EA	6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,348.06	876.02
08 33 23 11-0170	EA	6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,569.84	905.13
08 33 23 11-0171	EA	6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,823.48	948.80
08 33 23 11-0172	EA	8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,156.56	828.50
08 33 23 11-0173	EA	8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,437.34	883.74
08 33 23 11-0174	EA	8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,683.98	920.57
08 33 23 11-0175	EA	8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,905.95	949.68
08 33 23 11-0176	EA	8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,157.92	993.34
08 33 23 11-0177	EA	10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,770.93	957.38
08 33 23 11-0178	EA	10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,013.62	994.21
08 33 23 11-0179	EA	10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,338.52	1,052.43
08 33 23 11-0180	EA	10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,722.79	1,139.76
08 33 23 11-0181	EA	10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,314.10	1,256.18
08 33 23 11-0182	EA	10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,963.55	1,401.73
08 33 23 11-0183	EA	10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	6,667.80	1,576.38
08 33 23 11-0184	EA	10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	7,431.27	1,780.14
08 33 23 11-0185	EA	12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,009.38	994.21
08 33 23 11-0186	EA	12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,481.66	1,026.23
08 33 23 11-0187	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,916.26	1,084.45
08 33 23 11-0188	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,410.98	1,171.77
08 33 23 11-0189	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	6,077.40	1,288.20
08 33 23 11-0190	EA	12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	6,803.72	1,433.75
08 33 23 11-0191	EA	12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	7,348.72	1,608.40
08 33 23 11-0192	EA	12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	8,012.36	1,841.27

**08 33 23 11-0193 0.05" Aluminum Overhead Coiling Doors (08 33 23 11-0162)**

08 33 23 11-0194	EA	14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,586.85	1,157.66
08 33 23 11-0195	EA	14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,157.59	1,215.87
08 33 23 11-0196	EA	14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,717.59	1,274.09
08 33 23 11-0197	EA	14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,292.78	1,361.42
08 33 23 11-0198	EA	14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,961.14	1,477.86
08 33 23 11-0199	EA	14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,629.50	1,594.28
08 33 23 11-0200	EA	14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,365.48	1,739.83
08 33 23 11-0201	EA	14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,159.79	1,914.48
08 33 23 11-0202	EA	16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,344.13	1,331.31
08 33 23 11-0203	EA	16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,940.41	1,389.53
08 33 23 11-0204	EA	16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,512.49	1,447.74
08 33 23 11-0205	EA	16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,160.27	1,535.07
08 33 23 11-0206	EA	16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,914.67	1,651.50
08 33 23 11-0207	EA	16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,709.36	1,767.94
08 33 23 11-0208	EA	16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,530.01	1,913.48
08 33 23 11-0209	EA	16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,367.22	2,088.13
08 33 23 11-0210	EA	18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,974.07	1,497.73
08 33 23 11-0211	EA	18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,612.01	1,555.95
08 33 23 11-0212	EA	18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,369.18	1,643.28
08 33 23 11-0213	EA	18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,174.11	1,759.70
08 33 23 11-0214	EA	18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,045.85	1,905.25
08 33 23 11-0215	EA	18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,970.45	2,079.90
08 33 23 11-0216	EA	18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,951.91	2,283.66
08 33 23 11-0217	EA	18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,996.95	2,516.53
08 33 23 11-0218	EA	20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,826.61	1,722.39
08 33 23 11-0219	EA	20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,476.66	1,780.61
08 33 23 11-0220	EA	20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,542.44	1,867.93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0221	EA		20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	9,302.23	1,984.37
08 33 23 11-0222	EA		20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	10,246.56	2,129.91
08 33 23 11-0223	EA		20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	11,273.28	2,304.56
08 33 23 11-0224	EA		20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	12,315.20	2,508.32
08 33 23 11-0225	EA		20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	13,443.61	2,741.19
08 33 23 11-0226	EA		22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	8,060.48	2,038.96
08 33 23 11-0227	EA		22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	8,917.94	2,126.29
08 33 23 11-0228	EA		22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	10,078.04	2,316.50
08 33 23 11-0229	EA		22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	11,014.79	2,403.82
08 33 23 11-0230	EA		22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	12,008.44	2,520.25
08 33 23 11-0231	EA		22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	13,011.48	2,636.69
08 33 23 11-0232	EA		22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	14,021.66	2,782.24
08 33 23 11-0233	EA		22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	15,096.78	2,956.88
08 33 23 11-0234	EA		24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	8,883.67	2,242.85
08 33 23 11-0235	EA		24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	9,410.06	2,301.07
08 33 23 11-0236	EA		24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	10,658.25	2,359.28
08 33 23 11-0237	EA		24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	11,705.22	2,446.61
08 33 23 11-0238	EA		24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	12,755.30	2,563.05
08 33 23 11-0239	EA		24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	13,805.41	2,679.48
08 33 23 11-0240	EA		24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	15,053.49	2,825.02
08 33 23 11-0241	EA		24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	16,400.15	2,999.68
<b>08 33 23 11-0242 Overhead Coiling Door Accessories (08 33 23 11)</b>					
08 33 23 11-0243	LF		Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only .....	4.17	1.31
08 33 23 11-0244	LF		Top Of Door (Lintel), Weather Strip Seal For Coiling Doors .....	24.29	1.57
08 33 23 11-0245	LF		Side Of Door (Guides), Weather Strip Seal For Coiling Doors .....	23.20	1.57
08 33 23 11-0246	EA		Cylinder Lock For Coiling Doors .....	244.34	65.54
08 33 23 11-0247	EA		Up To 12' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	1,364.13	209.74
Note: Includes three button inside station controls and mounting hardware.					
08 33 23 11-0248	EA		Up To 12' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	1,701.08	209.74
Note: Includes three button inside station controls and mounting hardware.					
08 33 23 11-0249	EA		>12' To 18' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	1,610.36	235.95
Note: Includes three button inside station controls and mounting hardware.					
08 33 23 11-0250	EA		>12' To 18' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	1,887.02	235.95
Note: Includes three button inside station controls and mounting hardware.					
08 33 23 11-0251	EA		>18' To 24' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	2,058.78	262.17
Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.					
08 33 23 11-0252	EA		>18' To 24' Height, 1 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	2,226.61	262.17
Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.					
08 33 23 11-0253	LF		Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles .....	84.35	
08 33 23 11-0254	EA		Remote Transmitter Kit For Coiling Door Operators .....	326.22	104.87
<b>08 33 23 11-0255 Removal And Reinstallation Of Roll-Up Door And Support (08 33 23 11)</b>					
Note: Includes storage, cleaning and supply materials.					
08 33 23 11-0256	SF		Removal And Reinstallation Of Metal Roll-up Door And Supports .....	22.41	
<b>08 33 23 13 Overhead Rapid Coiling Doors (08 33 23)</b>					
Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0945 for forklift.					
<b>08 33 23 13-0001 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13)</b>					
Note: Door panel is 32 ounce vinyl. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Manual drive system.					
<b>08 33 23 13-0002 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0001)</b>					
<b>08 33 23 13-0003 5' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)</b>					
08 33 23 13-0004	EA		5' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	3,806.94	383.82
08 33 23 13-0005	EA		5' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,012.46	401.64
08 33 23 13-0006	EA		5' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,216.68	419.48
08 33 23 13-0007	EA		5' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,419.57	437.31
08 33 23 13-0008	EA		5' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,625.10	455.13
08 33 23 13-0009	EA		5' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,829.31	472.96
<b>08 33 23 13-0010 6' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)</b>					
08 33 23 13-0011	EA		6' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,012.46	401.64
08 33 23 13-0012	EA		6' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,216.68	419.48
08 33 23 13-0013	EA		6' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,419.57	437.31
08 33 23 13-0014	EA		6' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,625.10	455.13
08 33 23 13-0015	EA		6' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,829.31	472.96
08 33 23 13-0016	EA		6' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,033.53	490.79
<b>08 33 23 13-0017 7' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)</b>					

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0018	EA		7' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,216.68	419.48
08 33 23 13-0019	EA		7' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,419.57	437.31
08 33 23 13-0020	EA		7' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,625.10	455.13
08 33 23 13-0021	EA		7' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,829.31	472.96
08 33 23 13-0022	EA		7' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,033.53	490.79
08 33 23 13-0023	EA		7' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,239.06	508.61
<b>08 33 23 13-0024</b>			<b>8' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®)</b> (08 33 23 13-0002)		
08 33 23 13-0025	EA		8' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,419.57	437.31
08 33 23 13-0026	EA		8' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,625.10	455.13
08 33 23 13-0027	EA		8' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,829.31	472.96
08 33 23 13-0028	EA		8' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,033.53	490.79
08 33 23 13-0029	EA		8' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,239.06	508.61
08 33 23 13-0030	EA		8' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,441.95	526.44
<b>08 33 23 13-0031</b>			<b>9' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®)</b> (08 33 23 13-0002)		
08 33 23 13-0032	EA		9' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,625.10	455.13
08 33 23 13-0033	EA		9' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,829.31	472.96
08 33 23 13-0034	EA		9' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,033.53	490.79
08 33 23 13-0035	EA		9' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,239.06	508.61
08 33 23 13-0036	EA		9' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,441.95	526.44
08 33 23 13-0037	EA		9' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,647.48	544.27
<b>08 33 23 13-0038</b>			<b>10' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®)</b> (08 33 23 13-0002)		
08 33 23 13-0039	EA		10' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,829.31	472.96
08 33 23 13-0040	EA		10' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,033.53	490.79
08 33 23 13-0041	EA		10' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,239.06	508.61
08 33 23 13-0042	EA		10' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,441.95	526.44
08 33 23 13-0043	EA		10' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,647.48	544.27
08 33 23 13-0044	EA		10' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,851.69	562.09
<b>08 33 23 13-0045</b>			<b>Rytec® Bantam® Door Options</b> (08 33 23 13-0001)		
08 33 23 13-0046	SF		Upgrade To 2-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors.....	8.23	
08 33 23 13-0047	SF		Upgrade To 3-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors.....	18.11	
08 33 23 13-0048	LF		31" High Full Vision Panel For Rytec® Bantam® High-Speed Rolling Doors ..... Note: Multiply linear foot price x width of door.	26.34	
08 33 23 13-0049	EA		Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Bantam® High-Speed Rolling Doors ..... High-Speed Rolling Doors	250.20	
08 33 23 13-0050	EA		Roll Cover For Rytec® Bantam® High-Speed Rolling Doors.....	499.93	52.43
08 33 23 13-0051	EA		Motor Cover For Rytec® Bantam® High-Speed Rolling Doors.....	499.93	52.43
08 33 23 13-0052	EA		Motor Operator For Rytec® Bantam® High-Speed Rolling Doors ..... Note: Includes open/close/stop pushbutton, pneumatic reversing edge and coil cord.	2,086.26	104.87
08 33 23 13-0053	EA		Additional NEMA 4 Pushbutton Control For Rytec® Bantam® Motor Operator ..... Note: Includes open/close/stop control.	276.06	52.43
08 33 23 13-0054	EA		Auto Close Feature For Rytec® Bantam® Motor Operator.....	269.48	52.43
<b>08 33 23 13-0055</b>			<b>2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13) Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		
<b>08 33 23 13-0056</b>			<b>2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13-0055)		
<b>08 33 23 13-0057</b>			<b>6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13-0056)		
08 33 23 13-0058	EA		6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,427.42	419.48
08 33 23 13-0059	EA		6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,616.70	437.31
08 33 23 13-0060	EA		6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,834.04	455.13
08 33 23 13-0061	EA		6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,134.28	472.96
08 33 23 13-0062	EA		6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,440.63	490.79
08 33 23 13-0063	EA		6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,951.82	508.61
08 33 23 13-0064	EA		6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,316.68	526.44
<b>08 33 23 13-0065</b>			<b>7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13-0056)		
08 33 23 13-0066	EA		7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,656.94	437.31
08 33 23 13-0067	EA		7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,896.23	455.13
08 33 23 13-0068	EA		7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,195.25	472.96
08 33 23 13-0069	EA		7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,511.35	490.79
08 33 23 13-0070	EA		7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,926.21	508.61
08 33 23 13-0071	EA		7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,425.20	526.44
08 33 23 13-0072	EA		7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,820.55	544.27

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 33 23 13-0073</b>	<b>8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> <small>(08 33 23 13-0056)</small>		
08 33 23 13-0074	EA 8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,935.24	455.13
08 33 23 13-0075	EA 8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,233.04	472.96
08 33 23 13-0076	EA 8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,561.34	490.79
08 33 23 13-0077	EA 8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,988.40	508.61
08 33 23 13-0078	EA 8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,373.99	526.44
08 33 23 13-0079	EA 8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,916.88	544.27
08 33 23 13-0080	EA 8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,363.44	562.09

<b>08 33 23 13-0081</b>	<b>9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> <small>(08 33 23 13-0056)</small>		
08 33 23 13-0082	EA 9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,273.28	472.96
08 33 23 13-0083	EA 9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,599.14	490.79
08 33 23 13-0084	EA 9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,026.19	508.61
08 33 23 13-0085	EA 9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,423.98	526.44
08 33 23 13-0086	EA 9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,841.28	544.27
08 33 23 13-0087	EA 9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,274.43	562.09
08 33 23 13-0088	EA 9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,749.03	579.92

<b>08 33 23 13-0089</b>	<b>10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> <small>(08 33 23 13-0056)</small>		
08 33 23 13-0090	EA 10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,630.84	490.79
08 33 23 13-0091	EA 10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,066.43	508.61
08 33 23 13-0092	EA 10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,460.56	526.44
08 33 23 13-0093	EA 10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,881.52	544.27
08 33 23 13-0094	EA 10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,347.59	562.09
08 33 23 13-0095	EA 10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,446.64	579.92
08 33 23 13-0096	EA 10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,234.61	597.75

<b>08 33 23 13-0097</b>	<b>11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> <small>(08 33 23 13-0056)</small>		
08 33 23 13-0098	EA 11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,089.60	508.61
08 33 23 13-0099	EA 11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,493.48	526.44
08 33 23 13-0100	EA 11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,919.32	544.27
08 33 23 13-0101	EA 11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,386.60	562.09
08 33 23 13-0102	EA 11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,695.38	579.92
08 33 23 13-0103	EA 11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,300.45	597.75
08 33 23 13-0104	EA 11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,797.01	615.58

<b>08 33 23 13-0105</b>	<b>12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> <small>(08 33 23 13-0056)</small>		
08 33 23 13-0106	EA 12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,504.45	526.44
08 33 23 13-0107	EA 12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,941.27	544.27
08 33 23 13-0108	EA 12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,417.09	562.09
08 33 23 13-0109	EA 12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,736.83	579.92
08 33 23 13-0110	EA 12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,155.36	597.75
08 33 23 13-0111	EA 12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,853.10	615.58
08 33 23 13-0112	EA 12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,339.91	633.40

<b>08 33 23 13-0113</b>	<b>Rytec® PredaDoor® Door Options</b> <small>(08 33 23 13-0055)</small>		
08 33 23 13-0114	EA Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	606.02	104.87
08 33 23 13-0115	EA >10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	868.17	104.87
08 33 23 13-0116	SF Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors	9.88	

<b>08 33 23 13-0117</b>	<b>3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0117)</small>		
<p>Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.</p>			

<b>08 33 23 13-0118</b>	<b>3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0117)</small>		
<b>08 33 23 13-0119</b>	<b>8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0120	EA 8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,443.57	943.82
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 33 23 13-0121	EA 8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) .....	18,229.86	970.56
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0122	EA 8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) .....	18,916.16	997.30
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0123	EA 8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) .....	19,653.68	1,024.04
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0124	EA 8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) .....	20,488.73	1,050.78
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0125	EA 8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) .....	20,931.17	1,077.53
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0126	EA 8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) .....	21,617.47	1,104.27
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0127	EA 8' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) .....	22,230.75	1,132.98
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0128	EA 8' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) .....	23,202.25	1,162.43
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0129	EA 8' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) .....	23,989.60	1,192.65
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0130	EA 8' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) .....	24,962.88	1,223.67
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	

**08 33 23 13-0131 9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)**

08 33 23 13-0132	EA 9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) .....	18,229.86	970.56
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,750.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,125.00	
08 33 23 13-0133	EA 9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) .....	18,916.16	997.30
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,750.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,125.00	
08 33 23 13-0134	EA 9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) .....	19,653.68	1,024.04
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,750.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,125.00	
08 33 23 13-0135	EA 9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) .....	20,488.73	1,050.78
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,750.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,125.00	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0136 EA 9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	20,931.17 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,077.53
08 33 23 13-0137 EA 9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	21,617.47 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,104.27
08 33 23 13-0138 EA 9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	22,500.08 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,131.01
08 33 23 13-0139 EA 9' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	23,202.25 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,162.43
08 33 23 13-0140 EA 9' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	23,989.60 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,192.65
08 33 23 13-0141 EA 9' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	24,962.88 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,223.67
08 33 23 13-0142 EA 9' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	26,120.82 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,255.48
<b>08 33 23 13-0143 10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0144 EA 10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	18,916.16 675.00 1,100.00 2,750.00 3,300.00 4,950.00	997.30
08 33 23 13-0145 EA 10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	19,653.68 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,024.04
08 33 23 13-0146 EA 10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	20,488.73 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,050.78
08 33 23 13-0147 EA 10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	20,931.17 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,077.53
08 33 23 13-0148 EA 10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	21,617.47 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,104.27
08 33 23 13-0149 EA 10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	22,500.08 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,131.01
08 33 23 13-0150 EA 10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	23,333.93 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,157.75

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 33 23 13-0151	EA 10' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,988.44	1,192.08
	<i>For NEMA 4X Control Box, Add</i>	675.00	
	<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
	<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
	<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 23 13-0152	EA 10' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,961.69	1,223.07
	<i>For NEMA 4X Control Box, Add</i>	675.00	
	<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
	<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
	<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 23 13-0153	EA 10' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,119.59	1,254.87
	<i>For NEMA 4X Control Box, Add</i>	675.00	
	<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
	<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
	<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 23 13-0154	EA 10' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,097.43	1,287.50
	<i>For NEMA 4X Control Box, Add</i>	675.00	
	<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
	<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
	<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	

**08 33 23 13-0155 11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** (08 33 23 13-0118)

08 33 23 13-0156	EA 11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,653.68	1,024.04
	<i>For NEMA 4X Control Box, Add</i>	675.00	
	<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
	<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
	<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0157	EA 11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,488.73	1,050.78
	<i>For NEMA 4X Control Box, Add</i>	675.00	
	<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
	<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
	<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0158	EA 11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,931.17	1,077.53
	<i>For NEMA 4X Control Box, Add</i>	675.00	
	<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
	<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
	<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0159	EA 11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,617.47	1,104.27
	<i>For NEMA 4X Control Box, Add</i>	675.00	
	<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
	<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
	<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0160	EA 11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,500.08	1,131.01
	<i>For NEMA 4X Control Box, Add</i>	675.00	
	<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
	<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
	<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0161	EA 11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,333.93	1,157.75
	<i>For NEMA 4X Control Box, Add</i>	675.00	
	<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
	<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
	<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0162	EA 11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,265.31	1,184.49
	<i>For NEMA 4X Control Box, Add</i>	675.00	
	<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
	<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
	<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0163	EA 11' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,958.83	1,221.64
	<i>For NEMA 4X Control Box, Add</i>	675.00	
	<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
	<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
	<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0164	EA 11' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,116.66	1,253.40
	<i>For NEMA 4X Control Box, Add</i>	675.00	
	<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
	<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
	<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0165	EA 11' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,094.42	1,285.99
	<i>For NEMA 4X Control Box, Add</i>	675.00	
	<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
	<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
	<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0166 EA 11' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	28,254.28 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,319.42
<b>08 33 23 13-0167 12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0168 EA 12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	20,488.73 675.00 1,100.00 2,750.00 4,400.00 6,000.00	1,050.78
08 33 23 13-0169 EA 12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	20,931.17 675.00 1,100.00 2,750.00 4,400.00 6,000.00	1,077.53
08 33 23 13-0170 EA 12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	21,617.47 675.00 1,100.00 2,750.00 4,400.00 6,000.00	1,104.27
08 33 23 13-0171 EA 12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	22,500.08 675.00 1,100.00 2,750.00 4,400.00 6,000.00	1,131.01
08 33 23 13-0172 EA 12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	23,333.93 675.00 1,100.00 2,750.00 4,400.00 6,000.00	1,157.75
08 33 23 13-0173 EA 12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	24,265.31 675.00 1,100.00 2,750.00 4,400.00 6,000.00	1,184.49
08 33 23 13-0174 EA 12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	24,936.99 675.00 1,100.00 2,750.00 4,400.00 6,000.00	1,211.23
08 33 23 13-0175 EA 12' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	26,112.26 675.00 1,100.00 2,750.00 4,400.00 6,000.00	1,251.20
08 33 23 13-0176 EA 12' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	27,089.90 675.00 1,100.00 2,750.00 4,400.00 6,000.00	1,283.73
08 33 23 13-0177 EA 12' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	28,249.64 675.00 1,100.00 2,750.00 4,400.00 6,000.00	1,317.12
08 33 23 13-0178 EA 12' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	29,411.12 675.00 1,100.00 2,750.00 4,400.00 6,000.00	1,351.36
<b>08 33 23 13-0179 13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0180 EA 13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	21,433.53 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,077.53

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0181	EA		13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,308.82	1,104.27
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0182	EA		13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,139.00	1,131.01
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0183	EA		13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,102.10	1,157.75
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0184	EA		13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,061.52	1,184.49
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0185	EA		13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,775.88	1,211.23
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0186	EA		13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,320.74	1,237.98
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0187	EA		13' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,159.20	1,280.86
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0188	EA		13' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,320.12	1,314.16
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0189	EA		13' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,486.71	1,348.33
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0190	EA		13' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,515.49	1,383.38
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0191			<b>14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> (08 33 23 13-0118)		
08 33 23 13-0192	EA		14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,308.82	1,104.27
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0193	EA		14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,139.00	1,131.01
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0194	EA		14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,102.10	1,157.75
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0195	EA		14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,061.52	1,184.49
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0196 EA 14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	25,775.88 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,211.23
08 33 23 13-0197 EA 14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	26,320.74 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,237.98
08 33 23 13-0198 EA 14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	27,126.53 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,264.71
08 33 23 13-0199 EA 14' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	28,312.70 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,310.45
08 33 23 13-0200 EA 14' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	29,479.08 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,344.52
08 33 23 13-0201 EA 14' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	30,507.67 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,379.47
08 33 23 13-0202 EA 14' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	32,735.09 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,415.34
<b>08 33 23 13-0203 15' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0204 EA 15' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	23,085.91 675.00 1,100.00 2,750.00	1,104.27
08 33 23 13-0205 EA 15' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	24,049.34 675.00 1,100.00 2,750.00	1,131.01
08 33 23 13-0206 EA 15' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	25,008.82 675.00 1,100.00 2,750.00	1,157.75
08 33 23 13-0207 EA 15' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	25,723.36 675.00 1,100.00 2,750.00	1,184.49
08 33 23 13-0208 EA 15' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	26,268.04 675.00 1,100.00 2,750.00	1,211.23
08 33 23 13-0209 EA 15' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	27,073.44 675.00 1,100.00 2,750.00	1,237.98
08 33 23 13-0210 EA 15' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	28,279.41 675.00 1,100.00 2,750.00	1,293.81
08 33 23 13-0211 EA 15' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	29,471.23 675.00 1,100.00 2,750.00	1,340.59
08 33 23 13-0212 EA 15' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	30,499.60 675.00 1,100.00 2,750.00	1,375.44
08 33 23 13-0213 EA 15' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	32,726.81 675.00 1,100.00 2,750.00	1,411.21
08 33 23 13-0214 EA 15' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	34,297.46 675.00 1,100.00 2,750.00	1,447.90

## 08 Openings

## 08 30 Specialty Doors and Frames

## 08 33 Coiling Doors and Grilles

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0215		<b>16' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23	13-0216	EA	16' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,098.63	1,155.64
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23	13-0217	EA	16' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,060.59	1,183.64
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23	13-0218	EA	16' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,777.62	1,211.62
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23	13-0219	EA	16' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,324.78	1,239.61
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23	13-0220	EA	16' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,132.67	1,267.59
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23	13-0221	EA	16' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,282.96	1,295.58
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23	13-0222	EA	16' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,437.18	1,323.56
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23	13-0223	EA	16' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,491.56	1,371.42
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23	13-0224	EA	16' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,718.56	1,407.08
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23	13-0225	EA	16' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,288.99	1,443.66
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23	13-0226	EA	16' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,869.22	1,481.20
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23	13-0227		<b>17' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23	13-0228	EA	17' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,970.86	1,182.23
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23	13-0229	EA	17' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,776.09	1,210.86
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23	13-0230	EA	17' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,748.56	1,239.49
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23	13-0231	EA	17' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,815.85	1,268.12
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23	13-0232	EA	17' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	28,796.22 675.00 1,100.00 2,750.00	1,296.75
08 33 23	13-0233	EA	17' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	30,249.34 675.00 1,100.00 2,750.00	1,325.38
08 33 23	13-0234	EA	17' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	31,649.79 675.00 1,100.00 2,750.00	1,354.01
08 33 23	13-0235	EA	17' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	32,710.33 675.00 1,100.00 2,750.00	1,402.97
08 33 23	13-0236	EA	17' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	34,280.55 675.00 1,100.00 2,750.00	1,439.44
08 33 23	13-0237	EA	17' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	35,860.56 675.00 1,100.00 2,750.00	1,476.87
08 33 23	13-0238	EA	17' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	37,393.80 675.00 1,100.00 2,750.00	1,515.26

**08 33 23 13-0239 18' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** (08 33 23 13-0118)

08 33 23	13-0240	EA	18' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	26,028.68 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,209.42
08 33 23	13-0241	EA	18' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	27,089.39 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,238.70
08 33 23	13-0242	EA	18' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	28,243.59 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,268.00
08 33 23	13-0243	EA	18' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	29,393.83 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,297.28
08 33 23	13-0244	EA	18' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	30,592.80 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,326.57
08 33 23	13-0245	EA	18' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	32,292.17 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,355.86
08 33 23	13-0246	EA	18' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	34,038.96 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,385.15
08 33 23	13-0247	EA	18' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	34,910.80 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,435.23
08 33 23	13-0248	EA	18' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	35,851.92 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,472.55

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 33 23 13-0249	EA 18' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	37,341.47 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,510.84
08 33 23 13-0250	EA 18' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	38,879.12 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,550.11
<b>08 33 23 13-0251 19' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>			
08 33 23 13-0252	EA 19' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	27,086.45 675.00 1,100.00 2,750.00	1,237.23
08 33 23 13-0253	EA 19' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	28,241.99 675.00 1,100.00 2,750.00	1,267.20
08 33 23 13-0254	EA 19' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	29,393.59 675.00 1,100.00 2,750.00	1,297.16
08 33 23 13-0255	EA 19' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	30,593.90 675.00 1,100.00 2,750.00	1,327.12
08 33 23 13-0256	EA 19' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	32,294.62 675.00 1,100.00 2,750.00	1,357.08
08 33 23 13-0257	EA 19' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	34,042.76 675.00 1,100.00 2,750.00	1,387.04
08 33 23 13-0258	EA 19' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	34,874.35 675.00 1,100.00 2,750.00	1,417.01
08 33 23 13-0259	EA 19' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	35,843.31 675.00 1,100.00 2,750.00	1,468.24
08 33 23 13-0260	EA 19' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	37,332.64 675.00 1,100.00 2,750.00	1,506.41
08 33 23 13-0261	EA 19' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	38,870.05 675.00 1,100.00 2,750.00	1,545.58
08 33 23 13-0262	EA 19' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	40,409.49 675.00 1,100.00 2,750.00	1,585.77
<b>08 33 23 13-0263 20' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>			
08 33 23 13-0264	EA 20' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	28,238.98 675.00 1,100.00 2,750.00	1,265.69
08 33 23 13-0265	EA 20' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	29,391.96 675.00 1,100.00 2,750.00	1,296.34
08 33 23 13-0266	EA 20' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	30,593.65 675.00 1,100.00 2,750.00	1,326.99
08 33 23 13-0267	EA 20' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	32,295.75 675.00 1,100.00 2,750.00	1,357.64
08 33 23 13-0268	EA 20' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	34,045.26 675.00 1,100.00 2,750.00	1,388.30
08 33 23 13-0269	EA 20' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	34,878.23 675.00 1,100.00 2,750.00	1,418.94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0270	EA	20' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	35,806.03 675.00 1,100.00 2,750.00	1,449.60
08 33 23	13-0271	EA	20' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	37,323.83 675.00 1,100.00 2,750.00	1,502.01
08 33 23	13-0272	EA	20' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	38,861.02 675.00 1,100.00 2,750.00	1,541.06
08 33 23	13-0273	EA	20' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	40,400.22 675.00 1,100.00 2,750.00	1,581.13
08 33 23	13-0274	EA	20' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	41,757.15 675.00 1,100.00 2,750.00	1,622.24
08 33 23	13-0275		<b>21' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23	13-0276	EA	21' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	35,238.66 675.00 1,100.00 2,750.00	1,357.51
08 33 23	13-0277	EA	21' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	36,942.15 675.00 1,100.00 2,750.00	1,388.87
08 33 23	13-0278	EA	21' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	38,691.75 675.00 1,100.00 2,750.00	1,420.22
08 33 23	13-0279	EA	21' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	39,528.78 675.00 1,100.00 2,750.00	1,451.58
08 33 23	13-0280	EA	21' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	40,456.66 675.00 1,100.00 2,750.00	1,482.93
08 33 23	13-0281	EA	21' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	41,976.89 675.00 1,100.00 2,750.00	1,536.56
08 33 23	13-0282	EA	21' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	43,515.87 675.00 1,100.00 2,750.00	1,576.51
08 33 23	13-0283	EA	21' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	45,056.91 675.00 1,100.00 2,750.00	1,617.50
08 33 23	13-0284	EA	21' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	46,415.74 675.00 1,100.00 2,750.00	1,659.55
08 33 23	13-0285		<b>22' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23	13-0286	EA	22' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	36,575.81 675.00 1,100.00 2,750.00	1,388.73
08 33 23	13-0287	EA	22' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	38,282.08 675.00 1,100.00 2,750.00	1,420.82
08 33 23	13-0288	EA	22' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	40,031.81 675.00 1,100.00 2,750.00	1,452.89
08 33 23	13-0289	EA	22' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	40,868.95 675.00 1,100.00 2,750.00	1,484.97
08 33 23	13-0290	EA	22' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	41,800.90 675.00 1,100.00 2,750.00	1,517.04
08 33 23	13-0291	EA	22' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	43,323.61 675.00 1,100.00 2,750.00	1,571.89

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 33 23 13-0292	EA 22' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	44,864.42 675.00 1,100.00 2,750.00	1,612.76
08 33 23 13-0293	EA 22' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	46,406.03 675.00 1,100.00 2,750.00	1,654.70
08 33 23 13-0294	EA 22' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	47,768.11 675.00 1,100.00 2,750.00	1,697.72
<b>08 33 23 13-0295</b>	<b>23' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0296	EA 23' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	37,915.72 675.00 1,100.00 2,750.00	1,420.68
08 33 23 13-0297	EA 23' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	39,622.15 675.00 1,100.00 2,750.00	1,453.50
08 33 23 13-0298	EA 23' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	41,374.67 675.00 1,100.00 2,750.00	1,486.31
08 33 23 13-0299	EA 23' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	42,213.29 675.00 1,100.00 2,750.00	1,519.12
08 33 23 13-0300	EA 23' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	43,145.42 675.00 1,100.00 2,750.00	1,551.94
08 33 23 13-0301	EA 23' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	44,671.94 675.00 1,100.00 2,750.00	1,608.05
08 33 23 13-0302	EA 23' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	46,213.31 675.00 1,100.00 2,750.00	1,649.86
08 33 23 13-0303	EA 23' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	47,758.18 675.00 1,100.00 2,750.00	1,692.76
08 33 23 13-0304	EA 23' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	49,122.24 675.00 1,100.00 2,750.00	1,736.77
<b>08 33 23 13-0305</b>	<b>24' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0306	EA 24' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	39,255.79 675.00 1,100.00 2,750.00	1,453.36
08 33 23 13-0307	EA 24' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	40,963.72 675.00 1,100.00 2,750.00	1,486.92
08 33 23 13-0308	EA 24' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	42,719.07 675.00 1,100.00 2,750.00	1,520.49
08 33 23 13-0309	EA 24' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	43,559.20 675.00 1,100.00 2,750.00	1,554.06
08 33 23 13-0310	EA 24' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	44,491.51 675.00 1,100.00 2,750.00	1,587.63
08 33 23 13-0311	EA 24' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	46,019.30 675.00 1,100.00 2,750.00	1,645.04
08 33 23 13-0312	EA 24' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	47,563.93 675.00 1,100.00 2,750.00	1,687.80
08 33 23 13-0313	EA 24' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	49,112.08 675.00 1,100.00 2,750.00	1,731.69



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0314	EA		24' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	50,475.52 675.00 1,100.00 2,750.00	1,776.72
<b>08 33 23 13-0315</b>			<b>Rytec® Fast-Seal® Door Options (08 33 23 13-0117)</b>		
08 33 23 13-0316	LF		Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors..... Note: Multiply linear foot price x width of door.	36.58	
08 33 23 13-0317	EA		Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors .....	396.28	
08 33 23 13-0318	EA		>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors .....	658.43	
08 33 23 13-0319	EA		>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors .....	968.27	
08 33 23 13-0320	EA		>20' To 24' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors .....	1,448.54	
08 33 23 13-0321	EA		One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	231.67	
08 33 23 13-0322	EA		Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	457.24	
			Note: Door must be at least 90" wide.		
08 33 23 13-0323	EA		Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	579.17	
			Note: Door must be at least 102" wide.		
08 33 23 13-0324	EA		Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	914.48	
			Note: Door must be at least 136" wide.		
08 33 23 13-0325	EA		One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	268.25	
08 33 23 13-0326	EA		Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	530.40	
			Note: Door must be at least 108" wide.		
08 33 23 13-0327	EA		Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	658.43	
			Note: Door must be at least 144" wide.		
08 33 23 13-0328	EA		Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	1,060.80	
			Note: Door must be at least 192" wide.		
08 33 23 13-0329	EA		Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 8' Or 10' .....	518.65	
			For 304 Stainless Steel, Add	82.98	
			For 316 Stainless Steel, Add	363.06	
08 33 23 13-0330	EA		Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 12' Or 14' .....	674.24	
			For 304 Stainless Steel, Add	107.88	
			For 316 Stainless Steel, Add	471.97	
08 33 23 13-0331	EA		Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 16' Or 18' .....	881.70	
			For 304 Stainless Steel, Add	141.07	
			For 316 Stainless Steel, Add	617.19	
08 33 23 13-0332	EA		Through Wall Brake Release .....	136.28	
08 33 23 13-0333	EA		Explosion Proof Upgrade Package: Control Box, Motor, Rotary Limit Switch, Photo-eyes, Safety Bar, Push Buttons..... For NEMA 12 Control Box Mounted Outside Explosion Proof Area, Deduct	14,885.26 -6,200.00	
<b>08 33 23 13-0334</b>			<b>High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13)</b> Note: Rytec® Powerhouse™. Door panel is styrene butadiene rubber (SBR) panel 1/4" thick, made of two 1/8" thick layers, 60 durometer; sandwiched with 1-ply, 110 lbs polyester cord center. Panel includes bonded SBR beveled segmented windlocks to allow the door panel to effectively release from the side frame in case of accidental impact. Vertical orange stripes for visual safety awareness. Side frames are structural columns consisting of 5 x 2 x 1/4" structural steel tubing, welded to a reinforced 0.22" thick steel "Z" mounting bracket and 0.18" thick steel hinged cover. Drive system is a 480 volt, 3-phase variable speed AC Drive motor with brake and absolute encoder. Opens at up to 60" per second and closes at 21" per second.		
<b>08 33 23 13-0335</b>			<b>High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0334)</b>		
<b>08 33 23 13-0336</b>			<b>8' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)</b>		
08 33 23 13-0337	EA		8' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	22,957.28	943.82
08 33 23 13-0338	EA		8' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	23,166.15	970.56
08 33 23 13-0339	EA		8' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	23,529.09	997.30
08 33 23 13-0340	EA		8' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	23,892.04	1,024.04
08 33 23 13-0341	EA		8' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,256.30	1,050.78
08 33 23 13-0342	EA		8' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,619.24	1,077.53
08 33 23 13-0343	EA		8' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,826.79	1,104.27
08 33 23 13-0344	EA		8' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	25,195.00	1,132.98
08 33 23 13-0345	EA		8' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	25,872.83	1,162.44
08 33 23 13-0346	EA		8' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	26,088.67	1,192.66
08 33 23 13-0347	EA		8' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	26,615.53	1,223.67
<b>08 33 23 13-0348</b>			<b>9' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)</b>		
08 33 23 13-0349	EA		9' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	23,166.15	970.56
08 33 23 13-0350	EA		9' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	23,373.70	997.30
08 33 23 13-0351	EA		9' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	23,737.97	1,024.04
08 33 23 13-0352	EA		9' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,256.30	1,050.78
08 33 23 13-0353	EA		9' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,463.85	1,077.53
08 33 23 13-0354	EA		9' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,826.79	1,104.27
08 33 23 13-0355	EA		9' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	25,191.05	1,131.01

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 33 Coiling Doors and Grilles**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 33 23 13-0356	EA	9' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,563.37		1,162.44
08 33 23 13-0357	EA	9' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,398.13		1,192.66
08 33 23 13-0358	EA	9' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,235.76		1,223.67
08 33 23 13-0359	EA	9' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,073.71		1,255.48
<b>08 33 23 13-0360</b>		<b>10' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> (08 33 23 13-0335)			
08 33 23 13-0361	EA	10' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,303.40		997.30
08 33 23 13-0362	EA	10' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,512.28		1,024.04
08 33 23 13-0363	EA	10' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,875.22		1,050.78
08 33 23 13-0364	EA	10' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,393.55		1,077.53
08 33 23 13-0365	EA	10' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,756.49		1,104.27
08 33 23 13-0366	EA	10' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,120.75		1,131.01
08 33 23 13-0367	EA	10' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,483.70		1,157.75
08 33 23 13-0368	EA	10' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,017.21		1,192.07
08 33 23 13-0369	EA	10' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,698.11		1,223.08
08 33 23 13-0370	EA	10' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,691.40		1,254.87
08 33 23 13-0371	EA	10' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,532.29		1,287.49
<b>08 33 23 13-0372</b>		<b>11' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> (08 33 23 13-0335)			
08 33 23 13-0373	EA	11' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,356.89		1,024.04
08 33 23 13-0374	EA	11' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,719.83		1,050.78
08 33 23 13-0375	EA	11' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,084.09		1,077.53
08 33 23 13-0376	EA	11' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,602.42		1,104.27
08 33 23 13-0377	EA	11' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,965.36		1,131.01
08 33 23 13-0378	EA	11' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,328.31		1,157.75
08 33 23 13-0379	EA	11' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,157.41		1,184.49
08 33 23 13-0380	EA	11' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,160.10		1,221.64
08 33 23 13-0381	EA	11' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,153.32		1,253.40
08 33 23 13-0382	EA	11' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,148.20		1,286.00
08 33 23 13-0383	EA	11' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,989.37		1,319.42
<b>08 33 23 13-0384</b>		<b>12' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> (08 33 23 13-0335)			
08 33 23 13-0385	EA	12' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,565.76		1,050.78
08 33 23 13-0386	EA	12' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,928.70		1,077.53
08 33 23 13-0387	EA	12' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,291.64		1,104.27
08 33 23 13-0388	EA	12' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,809.97		1,131.01
08 33 23 13-0389	EA	12' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,328.31		1,157.75
08 33 23 13-0390	EA	12' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,311.49		1,184.49
08 33 23 13-0391	EA	12' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,294.67		1,211.23
08 33 23 13-0392	EA	12' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,304.31		1,251.21
08 33 23 13-0393	EA	12' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,453.13		1,283.74
08 33 23 13-0394	EA	12' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,449.59		1,317.11
08 33 23 13-0395	EA	12' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,447.78		1,351.36
<b>08 33 23 13-0396</b>		<b>13' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> (08 33 23 13-0335)			
08 33 23 13-0397	EA	13' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,928.70		1,077.53
08 33 23 13-0398	EA	13' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,137.57		1,104.27
08 33 23 13-0399	EA	13' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,500.51		1,131.01
08 33 23 13-0400	EA	13' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,174.24		1,157.75
08 33 23 13-0401	EA	13' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,311.49		1,184.49
08 33 23 13-0402	EA	13' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,450.06		1,211.23
08 33 23 13-0403	EA	13' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,433.24		1,237.98
08 33 23 13-0404	EA	13' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,602.78		1,280.85
08 33 23 13-0405	EA	13' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,754.47		1,314.16
08 33 23 13-0406	EA	13' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,906.57		1,348.33
08 33 23 13-0407	EA	13' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,906.38		1,383.38
<b>08 33 23 13-0408</b>		<b>14' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> (08 33 23 13-0335)			
08 33 23 13-0409	EA	14' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,137.57		1,104.27
08 33 23 13-0410	EA	14' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,345.12		1,131.01
08 33 23 13-0411	EA	14' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,863.46		1,157.75
08 33 23 13-0412	EA	14' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,846.64		1,184.49
08 33 23 13-0413	EA	14' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,294.67		1,211.23
08 33 23 13-0414	EA	14' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,433.24		1,237.98
08 33 23 13-0415	EA	14' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,725.88		1,264.71
08 33 23 13-0416	EA	14' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,901.10		1,310.45
08 33 23 13-0417	EA	14' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,054.33		1,344.52
08 33 23 13-0418	EA	14' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,208.02		1,379.47
08 33 23 13-0419	EA	14' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,520.22		1,415.34
<b>08 33 23 13-0420</b>		<b>15' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> (08 33 23 13-0335)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0421	EA	15' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	26,118.07	1,129.66
08 33 23	13-0422	EA	15' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	26,482.25	1,157.02
08 33 23	13-0423	EA	15' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	27,001.81	1,184.37
08 33 23	13-0424	EA	15' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	27,675.44	1,211.73
08 33 23	13-0425	EA	15' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	29,280.08	1,239.09
08 33 23	13-0426	EA	15' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	30,573.95	1,266.44
08 33 23	13-0427	EA	15' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	31,867.83	1,293.81
08 33 23	13-0428	EA	15' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	33,046.48	1,340.59
08 33 23	13-0429	EA	15' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	34,355.34	1,375.43
08 33 23	13-0430	EA	15' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,666.02	1,411.21
08 33 23	13-0431	EA	15' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,978.57	1,447.89
<b>08 33 23 13-0432 16' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)</b>					
08 33 23	13-0433	EA	16' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	26,324.11	1,155.65
08 33 23	13-0434	EA	16' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	26,844.93	1,183.63
08 33 23	13-0435	EA	16' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	27,365.76	1,211.62
08 33 23	13-0436	EA	16' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	28,660.87	1,239.60
08 33 23	13-0437	EA	16' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	30,420.85	1,267.59
08 33 23	13-0438	EA	16' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	31,717.30	1,295.58
08 33 23	13-0439	EA	16' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	33,012.43	1,323.55
08 33 23	13-0440	EA	16' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	34,347.30	1,371.42
08 33 23	13-0441	EA	16' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,657.77	1,407.08
08 33 23	13-0442	EA	16' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,970.10	1,443.66
08 33 23	13-0443	EA	16' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,439.72	1,481.20
<b>08 33 23 13-0444 17' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)</b>					
08 33 23	13-0445	EA	17' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	26,688.04	1,182.23
08 33 23	13-0446	EA	17' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	27,054.76	1,210.86
08 33 23	13-0447	EA	17' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	28,351.16	1,239.49
08 33 23	13-0448	EA	17' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	29,647.58	1,268.12
08 33 23	13-0449	EA	17' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	31,408.85	1,296.75
08 33 23	13-0450	EA	17' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	32,860.66	1,325.37
08 33 23	13-0451	EA	17' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	34,157.08	1,354.00
08 33 23	13-0452	EA	17' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,649.55	1,402.97
08 33 23	13-0453	EA	17' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,961.66	1,439.43
08 33 23	13-0454	EA	17' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,431.07	1,476.87
08 33 23	13-0455	EA	17' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,902.40	1,515.27
<b>08 33 23 13-0456 18' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)</b>					
08 33 23	13-0457	EA	18' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	27,051.88	1,209.42
08 33 23	13-0458	EA	18' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	27,419.92	1,238.71
08 33 23	13-0459	EA	18' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	29,182.49	1,268.00
08 33 23	13-0460	EA	18' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	30,635.62	1,297.28
08 33 23	13-0461	EA	18' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	32,398.21	1,326.57
08 33 23	13-0462	EA	18' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	33,851.32	1,355.86
08 33 23	13-0463	EA	18' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,459.84	1,385.15
08 33 23	13-0464	EA	18' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,953.24	1,435.23
08 33 23	13-0465	EA	18' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,422.42	1,472.55
08 33 23	13-0466	EA	18' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,893.53	1,510.84
08 33 23	13-0467	EA	18' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,366.65	1,550.11
<b>08 33 23 13-0468 19' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)</b>					
08 33 23	13-0469	EA	19' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	27,726.44	1,237.23
08 33 23	13-0470	EA	19' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	28,251.21	1,267.20
08 33 23	13-0471	EA	19' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	30,170.52	1,297.16
08 33 23	13-0472	EA	19' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	31,625.00	1,327.12
08 33 23	13-0473	EA	19' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	33,544.31	1,357.08
08 33 23	13-0474	EA	19' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	34,998.79	1,387.05
08 33 23	13-0475	EA	19' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,607.33	1,417.01
08 33 23	13-0476	EA	19' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,104.35	1,468.24
08 33 23	13-0477	EA	19' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,729.33	1,506.41
08 33 23	13-0478	EA	19' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,202.19	1,545.58
08 33 23	13-0479	EA	19' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,832.50	1,585.78
<b>08 33 23 13-0480 20' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)</b>					
08 33 23	13-0481	EA	20' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	28,713.04	1,265.69
08 33 23	13-0482	EA	20' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	29,239.20	1,296.34
08 33 23	13-0483	EA	20' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	31,004.51	1,327.00
08 33 23	13-0484	EA	20' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	32,615.75	1,357.64
08 33 23	13-0485	EA	20' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	34,536.44	1,388.29
08 33 23	13-0486	EA	20' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,146.37	1,418.94
08 33 23	13-0487	EA	20' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,757.60	1,449.60
08 33 23	13-0488	EA	20' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,411.04	1,502.01

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 33 Coiling Doors and Grilles**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 33 23 13-0489	EA	20' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,039.08		1,541.07
08 33 23 13-0490	EA	20' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,667.84		1,581.12
08 33 23 13-0491	EA	20' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,298.68		1,622.24
<b>08 33 23 13-0492</b>		<b>21' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>			
08 33 23 13-0493	EA	21' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,926.66		1,294.80
08 33 23 13-0494	EA	21' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,383.92		1,326.16
08 33 23 13-0495	EA	21' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,841.18		1,357.51
08 33 23 13-0496	EA	21' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,607.88		1,388.87
08 33 23 13-0497	EA	21' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,530.00		1,420.22
08 33 23 13-0498	EA	21' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,296.72		1,451.58
08 33 23 13-0499	EA	21' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,908.05		1,482.93
08 33 23 13-0500	EA	21' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,719.29		1,536.56
08 33 23 13-0501	EA	21' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,349.14		1,576.51
08 33 23 13-0502	EA	21' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,979.73		1,617.50
08 33 23 13-0503	EA	21' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,767.84		1,659.55
<b>08 33 23 13-0504</b>		<b>22' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>			
08 33 23 13-0505	EA	22' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,295.68		1,324.58
08 33 23 13-0506	EA	22' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,598.99		1,356.67
08 33 23 13-0507	EA	22' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,833.31		1,388.73
08 33 23 13-0508	EA	22' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,601.47		1,420.82
08 33 23 13-0509	EA	22' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,679.10		1,452.89
08 33 23 13-0510	EA	22' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,447.26		1,484.97
08 33 23 13-0511	EA	22' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,061.35		1,517.04
08 33 23 13-0512	EA	22' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,875.07		1,571.89
08 33 23 13-0513	EA	22' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,660.81		1,612.76
08 33 23 13-0514	EA	22' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,448.67		1,654.70
08 33 23 13-0515	EA	22' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,238.72		1,697.72
<b>08 33 23 13-0516</b>		<b>23' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>			
08 33 23 13-0517	EA	23' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,441.70		1,355.05
08 33 23 13-0518	EA	23' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,591.10		1,387.87
08 33 23 13-0519	EA	23' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,671.50		1,420.68
08 33 23 13-0520	EA	23' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,596.53		1,453.49
08 33 23 13-0521	EA	23' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,675.63		1,486.31
08 33 23 13-0522	EA	23' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,445.26		1,519.12
08 33 23 13-0523	EA	23' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,370.29		1,551.94
08 33 23 13-0524	EA	23' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,186.53		1,608.06
08 33 23 13-0525	EA	23' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,974.16		1,649.86
08 33 23 13-0526	EA	23' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,919.35		1,692.76
08 33 23 13-0527	EA	23' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,711.38		1,736.77
<b>08 33 23 13-0528</b>		<b>24' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>			
08 33 23 13-0529	EA	24' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,433.74		1,386.21
08 33 23 13-0530	EA	24' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,275.18		1,419.79
08 33 23 13-0531	EA	24' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,666.56		1,453.36
08 33 23 13-0532	EA	24' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,437.70		1,486.92
08 33 23 13-0533	EA	24' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,673.70		1,520.49
08 33 23 13-0534	EA	24' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,600.23		1,554.06
08 33 23 13-0535	EA	24' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,525.46		1,587.63
08 33 23 13-0536	EA	24' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,499.66		1,645.03
08 33 23 13-0537	EA	24' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,289.21		1,687.80
08 33 23 13-0538	EA	24' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,236.37		1,731.69
08 33 23 13-0539	EA	24' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,185.82		1,776.72
<b>08 33 23 13-0540</b>		<b>Rytec® Powerhouse™ Door Options</b> <small>(08 33 23 13-0334)</small>			
08 33 23 13-0541	EA	Up To 8' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,014.78		
08 33 23 13-0542	EA	9' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,054.29		
08 33 23 13-0543	EA	10' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,093.80		
08 33 23 13-0544	EA	11' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,133.30		
08 33 23 13-0545	EA	12' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,172.81		
08 33 23 13-0546	EA	13' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,212.31		
08 33 23 13-0547	EA	14' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,251.82		
08 33 23 13-0548	EA	15' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,291.32		
08 33 23 13-0549	EA	16' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,330.83		
08 33 23 13-0550	EA	17' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,370.33		
08 33 23 13-0551	EA	18' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,409.84		
08 33 23 13-0552	EA	19' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,449.35		
08 33 23 13-0553	EA	20' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,488.85		
08 33 23 13-0554	EA	21' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,528.36		
08 33 23 13-0555	EA	22' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,567.86		
08 33 23 13-0556	EA	23' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,607.37		
08 33 23 13-0557	EA	24' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,646.87		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23 13-0558	EA	11" x 20" Window For Rytec® Powerhouse™ High-Speed Rolling Doors .....	460.90	
08 33 23 13-0559	EA	208-230 Volt Application For Rytec® Powerhouse™ Door .....	1,132.49	
Note: Includes System 4 Controller In NEMA 4 Enclosure				

**08 33 23 13-0560 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®)** (08 33 23 13-0560)  
 Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.

**08 33 23 13-0561 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®)** (08 33 23 13-0561)

**08 33 23 13-0562 8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** (08 33 23 13-0562)

08 33 23 13-0563	EA	8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	24,799.70	1,258.43
08 33 23 13-0564	EA	8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	25,512.83	1,285.16
08 33 23 13-0565	EA	8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	26,225.96	1,311.91
08 33 23 13-0566	EA	8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	26,940.31	1,338.64
08 33 23 13-0567	EA	8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	27,653.44	1,365.39
08 33 23 13-0568	EA	8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	28,366.56	1,392.13
08 33 23 13-0569	EA	8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	30,397.76	1,418.87
08 33 23 13-0570	EA	8' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	31,108.07	1,447.25
08 33 23 13-0571	EA	8' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	31,819.12	1,476.19
08 33 23 13-0572	EA	8' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	32,531.33	1,505.72
08 33 23 13-0573	EA	8' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	33,244.71	1,535.83

**08 33 23 13-0574 9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** (08 33 23 13-0574)

08 33 23 13-0575	EA	9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	25,512.83	1,285.16
08 33 23 13-0576	EA	9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	26,225.96	1,311.91
08 33 23 13-0577	EA	9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	26,940.31	1,338.64
08 33 23 13-0578	EA	9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	27,653.44	1,365.39
08 33 23 13-0579	EA	9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	28,366.56	1,392.13
08 33 23 13-0580	EA	9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	29,079.69	1,418.87
08 33 23 13-0581	EA	9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	31,110.89	1,445.62
08 33 23 13-0582	EA	9' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	31,811.48	1,474.53
08 33 23 13-0583	EA	9' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	32,535.82	1,504.02
08 33 23 13-0584	EA	9' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	33,249.14	1,534.11
08 33 23 13-0585	EA	9' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	33,963.66	1,564.77

**08 33 23 13-0586 10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** (08 33 23 13-0586)

08 33 23 13-0587	EA	10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	26,225.96	1,311.91
08 33 23 13-0588	EA	10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	26,940.31	1,338.64
08 33 23 13-0589	EA	10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	27,653.44	1,365.39
08 33 23 13-0590	EA	10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	28,366.56	1,392.13
08 33 23 13-0591	EA	10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	29,079.69	1,418.87
08 33 23 13-0592	EA	10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	29,792.82	1,445.62
08 33 23 13-0593	EA	10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	31,824.02	1,472.35
08 33 23 13-0594	EA	10' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	32,536.65	1,501.80
08 33 23 13-0595	EA	10' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	33,249.88	1,531.84
08 33 23 13-0596	EA	10' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	33,964.32	1,562.48
08 33 23 13-0597	EA	10' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	34,679.98	1,593.72

**08 33 23 13-0598 11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** (08 33 23 13-0598)

08 33 23 13-0599	EA	11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	26,940.31	1,338.64
08 33 23 13-0600	EA	11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	27,653.44	1,365.39
08 33 23 13-0601	EA	11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	28,366.56	1,392.13
08 33 23 13-0602	EA	11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	29,079.69	1,418.87
08 33 23 13-0603	EA	11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	29,792.82	1,445.62
08 33 23 13-0604	EA	11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	30,505.95	1,472.35
08 33 23 13-0605	EA	11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	32,535.93	1,499.10
08 33 23 13-0606	EA	11' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	33,250.96	1,529.08
08 33 23 13-0607	EA	11' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	33,965.28	1,559.65
08 33 23 13-0608	EA	11' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	34,680.83	1,590.85
08 33 23 13-0609	EA	11' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	35,397.61	1,622.68

**08 33 23 13-0610 12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** (08 33 23 13-0610)

08 33 23 13-0611	EA	12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	27,653.44	1,365.39
08 33 23 13-0612	EA	12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	28,366.56	1,392.13
08 33 23 13-0613	EA	12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	29,079.69	1,418.87
08 33 23 13-0614	EA	12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	29,792.82	1,445.62
08 33 23 13-0615	EA	12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	30,505.95	1,472.35
08 33 23 13-0616	EA	12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	31,219.07	1,499.10
08 33 23 13-0617	EA	12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	33,250.27	1,525.84
08 33 23 13-0618	EA	12' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	33,965.25	1,556.36
08 33 23 13-0619	EA	12' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	34,680.66	1,587.48

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 33 Coiling Doors and Grilles**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 33 23 13-0620	EA	12' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,397.33		1,619.23
08 33 23 13-0621	EA	12' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,116.57		1,651.62
<b>08 33 23 13-0622 13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0661)</b>					
08 33 23 13-0623	EA	13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,366.56		1,392.13
08 33 23 13-0624	EA	13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,079.69		1,418.87
08 33 23 13-0625	EA	13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,792.82		1,445.62
08 33 23 13-0626	EA	13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,505.95		1,472.35
08 33 23 13-0627	EA	13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,219.07		1,499.10
08 33 23 13-0628	EA	13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,932.20		1,525.84
08 33 23 13-0629	EA	13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,963.41		1,552.58
08 33 23 13-0630	EA	13' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,679.54		1,583.63
08 33 23 13-0631	EA	13' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,396.04		1,615.30
08 33 23 13-0632	EA	13' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,113.83		1,647.61
08 33 23 13-0633	EA	13' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,832.88		1,680.56
<b>08 33 23 13-0634 14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0661)</b>					
08 33 23 13-0635	EA	14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,397.76		1,418.87
08 33 23 13-0636	EA	14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,110.89		1,445.62
08 33 23 13-0637	EA	14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,824.02		1,472.35
08 33 23 13-0638	EA	14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,535.93		1,499.10
08 33 23 13-0639	EA	14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,250.27		1,525.84
08 33 23 13-0640	EA	14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,963.41		1,552.58
08 33 23 13-0641	EA	14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,679.54		1,579.32
08 33 23 13-0642	EA	14' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,387.26		1,610.91
08 33 23 13-0643	EA	14' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,104.84		1,643.13
08 33 23 13-0644	EA	14' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,823.73		1,675.99
08 33 23 13-0645	EA	14' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,543.95		1,709.50
<b>08 33 23 13-0646 15' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0661)</b>					
08 33 23 13-0647	EA	15' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,108.07		1,447.25
08 33 23 13-0648	EA	15' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,823.68		1,474.53
08 33 23 13-0649	EA	15' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,536.65		1,501.80
08 33 23 13-0650	EA	15' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,250.96		1,529.08
08 33 23 13-0651	EA	15' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,965.25		1,556.36
08 33 23 13-0652	EA	15' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,679.54		1,583.63
08 33 23 13-0653	EA	15' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,387.26		1,610.91
08 33 23 13-0654	EA	15' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,104.84		1,643.13
08 33 23 13-0655	EA	15' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,823.73		1,675.99
08 33 23 13-0656	EA	15' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,543.95		1,709.50
08 33 23 13-0657	EA	15' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,265.48		1,743.70
<b>08 33 23 13-0658 16' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0661)</b>					
08 33 23 13-0659	EA	16' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,819.12		1,476.19
08 33 23 13-0660	EA	16' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,535.82		1,504.02
08 33 23 13-0661	EA	16' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,249.88		1,531.84
08 33 23 13-0662	EA	16' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,965.28		1,559.65
08 33 23 13-0663	EA	16' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,680.66		1,587.48
08 33 23 13-0664	EA	16' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,396.04		1,615.30
08 33 23 13-0665	EA	16' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,104.84		1,643.13
08 33 23 13-0666	EA	16' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,823.73		1,675.99
08 33 23 13-0667	EA	16' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,543.95		1,709.50
08 33 23 13-0668	EA	16' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,265.48		1,743.70
08 33 23 13-0669	EA	16' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,989.70		1,778.57
<b>08 33 23 13-0670 17' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0661)</b>					
08 33 23 13-0671	EA	17' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,531.33		1,505.72
08 33 23 13-0672	EA	17' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,249.14		1,534.11
08 33 23 13-0673	EA	17' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,964.32		1,562.48
08 33 23 13-0674	EA	17' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,680.83		1,590.85
08 33 23 13-0675	EA	17' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,397.33		1,619.23
08 33 23 13-0676	EA	17' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,113.83		1,647.61
08 33 23 13-0677	EA	17' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,823.73		1,675.99
08 33 23 13-0678	EA	17' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,543.95		1,709.50
08 33 23 13-0679	EA	17' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,265.48		1,743.70
08 33 23 13-0680	EA	17' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,989.70		1,778.57
08 33 23 13-0681	EA	17' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,714.00		1,814.14
<b>08 33 23 13-0682 18' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0661)</b>					
08 33 23 13-0683	EA	18' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,390.89		1,535.83

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST					
08 33 23	13-0684	EA	18' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	34,108.52	1,564.77					
08 33 23	13-0685	EA	18' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	34,826.15	1,593.92					
08 33 23	13-0686	EA	18' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	35,542.47	1,622.68					
08 33 23	13-0687	EA	18' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	36,261.43	1,651.62					
08 33 23	13-0688	EA	18' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	36,977.73	1,680.56					
08 33 23	13-0689	EA	18' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	37,690.12	1,709.50					
08 33 23	13-0690	EA	18' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	38,411.65	1,743.70					
08 33 23	13-0691	EA	18' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	39,134.56	1,778.57					
08 33 23	13-0692	EA	18' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	39,858.86	1,814.14					
08 33 23	13-0693	EA	18' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	40,584.58	1,850.43					
08 33 23	13-0694		<b>19' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0661)</small>							
08 33 23	13-0695	EA	19' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	34,322.75	1,566.55					
08 33 23	13-0696	EA	19' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	35,042.86	1,596.08					
08 33 23	13-0697	EA	19' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	35,760.34	1,625.60					
08 33 23	13-0698	EA	19' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	36,479.13	1,655.12					
08 33 23	13-0699	EA	19' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	37,197.93	1,684.65					
08 33 23	13-0700	EA	19' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	37,916.71	1,714.17					
08 33 23	13-0701	EA	19' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	38,628.93	1,743.70					
08 33 23	13-0702	EA	19' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	39,331.84	1,778.57					
08 33 23	13-0703	EA	19' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	40,076.14	1,814.14					
08 33 23	13-0704	EA	19' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	40,801.86	1,850.43					
08 33 23	13-0705	EA	19' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	41,530.36	1,887.44					
08 33 23	13-0706		<b>20' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0661)</small>							
08 33 23	13-0707	EA	20' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	35,474.04	1,598.20					
08 33 23	13-0708	EA	20' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	36,195.92	1,627.56					
08 33 23	13-0709	EA	20' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	36,914.13	1,657.98					
08 33 23	13-0710	EA	20' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	37,634.69	1,688.39					
08 33 23	13-0711	EA	20' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	38,354.20	1,718.80					
08 33 23	13-0712	EA	20' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	39,073.73	1,748.16					
08 33 23	13-0713	EA	20' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	39,787.72	1,778.57					
08 33 23	13-0714	EA	20' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	40,512.18	1,814.23					
08 33 23	13-0715	EA	20' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	41,237.69	1,850.93					
08 33 23	13-0716	EA	20' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	41,965.31	1,887.64					
08 33 23	13-0717	EA	20' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....	42,693.97	1,925.39					
08 33 23	13-0718		<b>Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0560)</small>							
08 33 23	13-0719		<b>8' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0718)</small>							
08 33 23	13-0720	EA	8' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	24,761.84	838.95					
08 33 23	13-0721	EA	8' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	25,305.94	856.78					
08 33 23	13-0722	EA	8' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	25,850.04	874.60					
08 33 23	13-0723	EA	8' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	26,391.72	892.43					
08 33 23	13-0724	EA	8' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	26,935.83	910.26					
08 33 23	13-0725	EA	8' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	27,479.94	928.08					
08 33 23	13-0726	EA	8' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	33,106.11	945.91					
08 33 23	13-0727		<b>9' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0718)</small>							
08 33 23	13-0728	EA	9' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	25,305.94	856.78					
08 33 23	13-0729	EA	9' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	25,850.04	874.60					
08 33 23	13-0730	EA	9' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	26,391.72	892.43					
08 33 23	13-0731	EA	9' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	26,935.83	910.26					
08 33 23	13-0732	EA	9' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	27,479.94	928.08					
08 33 23	13-0733	EA	9' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	28,024.04	945.91					
08 33 23	13-0734	EA	9' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	33,650.22	963.75					
08 33 23	13-0735		<b>10' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0718)</small>							
08 33 23	13-0736	EA	10' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	25,850.04	874.60					
08 33 23	13-0737	EA	10' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	26,391.72	892.43					
08 33 23	13-0738	EA	10' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	26,935.83	910.26					
08 33 23	13-0739	EA	10' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	27,479.94	928.08					
08 33 23	13-0740	EA	10' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	28,024.04	945.91					
08 33 23	13-0741	EA	10' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	28,568.14	963.75					
08 33 23	13-0742	EA	10' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	34,194.33	981.57					
08 33 23	13-0743		<b>11' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0718)</small>							
08 33 23	13-0744	EA	11' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	26,391.72	892.43					
08 33 23	13-0745	EA	11' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	26,935.83	910.26					
08 33 23	13-0746	EA	11' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	27,479.94	928.08					

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 33 Coiling Doors and Grilles**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 33 23	13-0747	EA	11' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	28,024.04	945.91
08 33 23	13-0748	EA	11' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	28,568.14	963.75
08 33 23	13-0749	EA	11' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	29,112.25	981.57
08 33 23	13-0750	EA	11' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	34,735.99	999.40
<b>08 33 23</b>	<b>13-0751</b>		<b>12' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)</b>		
08 33 23	13-0752	EA	12' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	26,935.83	910.26
08 33 23	13-0753	EA	12' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	27,479.94	928.08
08 33 23	13-0754	EA	12' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	28,024.04	945.91
08 33 23	13-0755	EA	12' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	28,568.14	963.75
08 33 23	13-0756	EA	12' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	29,112.25	981.57
08 33 23	13-0757	EA	12' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	29,656.35	999.40
08 33 23	13-0758	EA	12' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,280.11	1,017.23
<b>08 33 23</b>	<b>13-0759</b>		<b>13' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)</b>		
08 33 23	13-0760	EA	13' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	27,479.94	928.08
08 33 23	13-0761	EA	13' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	28,024.04	945.91
08 33 23	13-0762	EA	13' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	28,568.14	963.75
08 33 23	13-0763	EA	13' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	29,112.25	981.57
08 33 23	13-0764	EA	13' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	29,656.35	999.40
08 33 23	13-0765	EA	13' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	30,200.47	1,017.23
08 33 23	13-0766	EA	13' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,824.21	1,035.05
<b>08 33 23</b>	<b>13-0767</b>		<b>14' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)</b>		
08 33 23	13-0768	EA	14' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	33,106.11	945.91
08 33 23	13-0769	EA	14' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	33,650.22	963.75
08 33 23	13-0770	EA	14' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	34,194.33	981.57
08 33 23	13-0771	EA	14' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	34,735.99	999.40
08 33 23	13-0772	EA	14' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,280.11	1,017.23
08 33 23	13-0773	EA	14' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,824.21	1,035.05
08 33 23	13-0774	EA	14' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,368.31	1,052.88
<b>08 33 23</b>	<b>13-0775</b>		<b>Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0560)</b>		
<b>08 33 23</b>	<b>13-0776</b>		<b>8' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
08 33 23	13-0777	EA	8' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	23,019.45	838.95
08 33 23	13-0778	EA	8' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	23,563.55	856.78
08 33 23	13-0779	EA	8' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	24,107.65	874.60
08 33 23	13-0780	EA	8' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	24,650.55	892.43
08 33 23	13-0781	EA	8' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	25,194.65	910.26
08 33 23	13-0782	EA	8' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	25,728.11	923.37
08 33 23	13-0783	EA	8' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	29,416.20	928.08
<b>08 33 23</b>	<b>13-0784</b>		<b>9' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
08 33 23	13-0785	EA	9' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	23,563.55	856.78
08 33 23	13-0786	EA	9' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	24,107.65	874.60
08 33 23	13-0787	EA	9' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	24,650.55	892.43
08 33 23	13-0788	EA	9' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	25,194.65	910.26
08 33 23	13-0789	EA	9' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	25,737.55	928.08
08 33 23	13-0790	EA	9' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	26,268.02	939.09
08 33 23	13-0791	EA	9' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	28,133.78	945.91
<b>08 33 23</b>	<b>13-0792</b>		<b>10' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
08 33 23	13-0793	EA	10' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	24,107.65	874.60
08 33 23	13-0794	EA	10' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	24,650.55	892.43
08 33 23	13-0795	EA	10' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	25,194.65	910.26
08 33 23	13-0796	EA	10' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	25,737.55	928.08
08 33 23	13-0797	EA	10' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	26,281.65	945.91
08 33 23	13-0798	EA	10' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	26,816.32	959.02
08 33 23	13-0799	EA	10' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	28,829.07	963.75
<b>08 33 23</b>	<b>13-0800</b>		<b>11' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
08 33 23	13-0801	EA	11' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	24,650.55	892.43
08 33 23	13-0802	EA	11' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	25,194.65	910.26
08 33 23	13-0803	EA	11' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	25,737.55	928.08
08 33 23	13-0804	EA	11' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	26,281.65	945.91
08 33 23	13-0805	EA	11' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	26,825.75	963.75





**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 33 Coiling Doors and Grilles**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 33 23 13-0865		<b>12' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>			
08 33 23 13-0866	EA	12' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,518.48		910.26
08 33 23 13-0867	EA	12' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,207.30		928.08
08 33 23 13-0868	EA	12' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,896.11		945.91
08 33 23 13-0869	EA	12' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,948.37		963.75
08 33 23 13-0870	EA	12' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,000.64		981.57
08 33 23 13-0871	EA	12' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	38,051.58		999.40
08 33 23 13-0872	EA	12' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	39,130.20		1,017.23
08 33 23 13-0873		<b>13' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>			
08 33 23 13-0874	EA	13' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,207.30		928.08
08 33 23 13-0875	EA	13' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,896.11		945.91
08 33 23 13-0876	EA	13' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,584.92		963.75
08 33 23 13-0877	EA	13' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,637.19		981.57
08 33 23 13-0878	EA	13' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,689.45		999.40
08 33 23 13-0879	EA	13' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	38,741.73		1,017.23
08 33 23 13-0880	EA	13' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	39,825.59		1,035.05
08 33 23 13-0881		<b>14' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>			
08 33 23 13-0882	EA	14' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,896.11		945.91
08 33 23 13-0883	EA	14' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,584.92		963.75
08 33 23 13-0884	EA	14' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,273.74		981.57
08 33 23 13-0885	EA	14' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,326.00		999.40
08 33 23 13-0886	EA	14' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	38,378.28		1,017.23
08 33 23 13-0887	EA	14' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	39,430.54		1,035.05
08 33 23 13-0888	EA	14' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	40,514.40		1,052.88
08 33 23 13-0889		<b>Rytec® Spiral® Door Options (08 33 23 13-0560)</b>			
08 33 23 13-0890	EA	Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors ..... Note: Per door price.	396.28		
08 33 23 13-0891	EA	Up To 13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors ..... Note: Maximum of 4 per door.	268.25		
08 33 23 13-0892	EA	>13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors ..... Note: Maximum of 4 per door.	396.28		
08 33 23 13-0893	EA	Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors ..... Note: Maximum of 4 per door.	268.25		
08 33 23 13-0894	EA	>13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors ..... Note: Maximum of 4 per door.	396.28		
08 33 23 13-0895	EA	Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors.....	763.30		52.43
08 33 23 13-0896	EA	Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors .....	2,185.02		104.87
08 33 23 13-0897	EA	>13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors .....	3,898.15		104.87
08 33 23 13-0898	EA	>16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors .....	4,428.55		104.87
08 33 23 13-0899	EA	Through Wall Brake Release For Rytec® Spiral® High-Speed Rolling Doors .....	460.90		
08 33 23 13-0900		<b>Activation And Control Box Options For High Speed Doors (08 33 23 13)</b>			
08 33 23 13-0901	EA	Pull Cord For High-Speed Rolling Doors.....	202.41		52.43
08 33 23 13-0902	EA	Emergency Stop, Pushbutton Control For High-Speed Rolling Doors .....	149.97		26.21
08 33 23 13-0903	EA	NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors .....	186.55		26.21
08 33 23 13-0904	EA	On/Off Selector Switch, Remote Control For High-Speed Rolling Doors .....	131.69		26.21
08 33 23 13-0905	EA	On/Off Key Switch, Remote Control For High-Speed Rolling Doors .....	198.75		26.21
08 33 23 13-0906	EA	Keyed Remote Single Pushbutton Control For High-Speed Rolling Doors .....	320.68		26.21
08 33 23 13-0907	EA	Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors .....	351.16		26.21
08 33 23 13-0908	EA	Radio Control For High-Speed Rolling Doors .....	553.58		47.19
		Note: Includes one receiver and two transmitters.			
08 33 23 13-0909	EA	Floor Loop For High-Speed Rolling Doors .....	763.32		
		Note: Excludes sealant.			
08 33 23 13-0910	EA	Reflective Type Photo Eye For High-Speed Rolling Doors .....	480.06		47.19
08 33 23 13-0911	EA	Thru-Beam Type Photo Eye For High-Speed Rolling Doors .....	620.64		47.19
08 33 23 13-0912	EA	Motion Detector For High-Speed Rolling Doors .....	526.26		31.46
08 33 23 13-0913	EA	Remote Warning Horn For High-Speed Rolling Doors.....	373.12		52.43
		Note: Includes wall box and mounting hardware.			
08 33 23 13-0914	EA	Remote Strobe Light For High-Speed Rolling Doors.....	501.15		52.43
		Note: Includes wall box and mounting hardware.			
08 33 23 13-0915	EA	Remote Warning Horn And Strobe Light For High-Speed Rolling Doors .....	568.21		52.43
		Note: Includes wall box and mounting hardware.			
08 33 23 13-0916	EA	Red And Green Red Light For High-Speed Rolling Doors .....	702.33		52.43
		Note: Includes mounting hardware.			
08 33 26		<b>Overhead Coiling Grilles (08 33)</b>			
		Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0945 for forklift.			
08 33 26 00-0001		<b>Galvanized Steel Overhead Coiling Grilles (Width x Height) (08 33 26)</b>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0002	EA		4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,273.71 255.47 176.83 239.36	199.86
08 33 26 00-0003	EA		6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,577.61 301.06 265.25 324.17	199.86
08 33 26 00-0004	EA		8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,101.91 358.11 353.66 408.98	249.82
08 33 26 00-0005	EA		12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,540.17 423.85 436.11 578.59	249.82
08 33 26 00-0006	EA		16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	4,871.66 559.17 707.31 815.95	399.71
08 33 26 00-0007	EA		20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	6,054.58 694.49 884.14 1,053.29	499.64
08 33 26 00-0008	EA		24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	7,632.89 888.18 1,060.97 1,184.82	599.56
08 33 26 00-0009	EA		30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	9,305.93 1,082.83 1,228.84 1,292.21	732.80
08 33 26 00-0010	EA		4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,493.98 288.51 221.03 284.37	199.86
08 33 26 00-0011	EA		6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,896.73 348.93 331.54 403.82	199.86
08 33 26 00-0012	EA		8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,455.74 411.51 442.08 523.27	249.82
08 33 26 00-0013	EA		12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	4,004.60 493.84 663.11 762.17	249.82
08 33 26 00-0014	EA		16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	5,481.68 650.67 884.14 1,050.93	399.71
08 33 26 00-0015	EA		20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	6,808.04 807.50 1,105.17 1,339.68	499.64
08 33 26 00-0016	EA		24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	8,543.23 1,024.73 1,326.37 1,551.46	599.56
08 33 26 00-0017	EA		30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	10,711.59 1,293.68 1,552.99 1,737.98	732.80
08 33 26 00-0018	EA		4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,746.21 326.35 265.25 328.72	199.86
08 33 26 00-0019	EA		6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,819.23 337.30 397.86 482.13	199.86
08 33 26 00-0020	EA		8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,433.48 407.85 530.47 635.54	249.82
08 33 26 00-0021	EA		12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	4,531.03 572.48 795.70 942.37	249.82
08 33 26 00-0022	EA		16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	6,344.01 780.02 1,060.96 1,310.17	399.71
08 33 26 00-0023	EA		20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	8,008.42 987.56 1,326.20 1,677.96	499.64

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 33 26 00-0024	EA	24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	9,709.79	599.56
		<i>For Lexan Lattice Pattern, Add</i>	1,199.72	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,591.45	
		<i>For Staggered Brick Pattern, Add</i>	1,774.22	
08 33 26 00-0025	EA	30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	12,100.40	732.80
		<i>For Lexan Lattice Pattern, Add</i>	1,502.00	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,844.26	
		<i>For Staggered Brick Pattern, Add</i>	1,933.03	
08 33 26 00-0026	EA	4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,197.36	199.86
		<i>For Lexan Lattice Pattern, Add</i>	394.02	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	309.33	
		<i>For Staggered Brick Pattern, Add</i>	608.01	
08 33 26 00-0027	EA	6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,689.92	199.86
		<i>For Lexan Lattice Pattern, Add</i>	467.90	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	464.09	
		<i>For Staggered Brick Pattern, Add</i>	746.55	
08 33 26 00-0028	EA	8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	4,329.70	249.82
		<i>For Lexan Lattice Pattern, Add</i>	542.60	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	618.84	
		<i>For Staggered Brick Pattern, Add</i>	869.30	
08 33 26 00-0029	EA	12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	5,364.41	249.82
		<i>For Lexan Lattice Pattern, Add</i>	697.81	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	928.34	
		<i>For Staggered Brick Pattern, Add</i>	1,102.34	
08 33 26 00-0030	EA	16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	7,204.39	399.71
		<i>For Lexan Lattice Pattern, Add</i>	909.08	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,237.80	
		<i>For Staggered Brick Pattern, Add</i>	1,474.73	
08 33 26 00-0031	EA	20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	8,893.69	499.64
		<i>For Lexan Lattice Pattern, Add</i>	1,120.35	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,547.24	
		<i>For Staggered Brick Pattern, Add</i>	1,847.12	
08 33 26 00-0032	EA	24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	10,628.92	599.56
		<i>For Lexan Lattice Pattern, Add</i>	1,337.59	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,856.69	
		<i>For Staggered Brick Pattern, Add</i>	2,094.84	
08 33 26 00-0033	EA	30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	13,597.77	732.80
		<i>For Lexan Lattice Pattern, Add</i>	1,726.61	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	2,191.84	
		<i>For Staggered Brick Pattern, Add</i>	2,393.45	

**08 33 26 00-0034 Coiling Grilles Accessories (08 33 26)**

08 33 26 00-0035	LF	For Overhead Framed Rolling Grille Supports.....	96.38	
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**08 33 36 Side Coiling Grilles (08 33)****08 33 36 00-0001 Galvanized Steel Side Coiling Grilles (Width x Height) (08 33 36)**

08 33 36 00-0002	EA	12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated.....	3,855.09	558.83
		<i>For Lexan Lattice Pattern, Add</i>	338.74	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	530.48	
		<i>For Staggered Brick Pattern, Add</i>	578.59	
08 33 36 00-0003	EA	18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated.....	5,366.81	717.86
		<i>For Lexan Lattice Pattern, Add</i>	497.36	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	813.71	
		<i>For Staggered Brick Pattern, Add</i>	926.71	
08 33 36 00-0004	EA	24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated.....	6,941.14	905.15
		<i>For Lexan Lattice Pattern, Add</i>	653.25	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,060.97	
		<i>For Staggered Brick Pattern, Add</i>	1,184.82	
08 33 36 00-0005	EA	30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated.....	8,300.00	999.27
		<i>For Lexan Lattice Pattern, Add</i>	816.57	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,228.84	
		<i>For Staggered Brick Pattern, Add</i>	1,292.21	
08 33 36 00-0006	EA	12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated.....	4,641.23	637.15
		<i>For Lexan Lattice Pattern, Add</i>	423.13	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	663.11	
		<i>For Staggered Brick Pattern, Add</i>	762.17	
08 33 36 00-0007	EA	18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated.....	6,486.63	818.36
		<i>For Lexan Lattice Pattern, Add</i>	622.08	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	976.59	
		<i>For Staggered Brick Pattern, Add</i>	1,157.34	
08 33 36 00-0008	EA	24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated.....	8,293.04	1,031.53
		<i>For Lexan Lattice Pattern, Add</i>	801.72	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,326.37	
		<i>For Staggered Brick Pattern, Add</i>	1,551.46	
08 33 36 00-0009	EA	30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated.....	10,070.92	1,139.17
		<i>For Lexan Lattice Pattern, Add</i>	1,020.41	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,552.99	
		<i>For Staggered Brick Pattern, Add</i>	1,737.98	
08 33 36 00-0010	EA	12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated.....	5,437.09	717.86
		<i>For Lexan Lattice Pattern, Add</i>	507.91	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	795.70	
		<i>For Staggered Brick Pattern, Add</i>	942.37	
08 33 36 00-0011	EA	18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated.....	7,612.28	922.00
		<i>For Lexan Lattice Pattern, Add</i>	745.31	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,174.86	
		<i>For Staggered Brick Pattern, Add</i>	1,436.87	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 36 00-0012	EA			24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,837.03 979.88 1,591.45 1,774.22	1,162.49
08 33 36 00-0013	EA			30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	11,831.66 1,224.85 1,844.26 1,933.03	1,282.40
08 33 36 00-0014	EA			12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	6,225.05 593.87 928.34 1,102.34	793.71
08 33 36 00-0015	EA			18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,737.42 870.02 1,342.72 1,596.46	1,019.26
08 33 36 00-0016	EA			24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	11,281.66 1,143.20 1,856.69 2,094.84	1,285.06
08 33 36 00-0017	EA			30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	13,574.87 1,428.25 2,191.84 2,393.45	1,418.96

**08 33 43 Overhead Coiling Smoke Curtains (08 33)**

<b>08 33 43 00-0001 Elevator Smoke Guard (08 33 43)</b>						
08 33 43 00-0002	EA			Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400).....	10,765.18	558.83
08 33 43 00-0003	EA			Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400).....	11,153.31	558.83
08 33 43 00-0004	EA			Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400).....	11,541.43	558.83

**08 34 Special Function Doors (08 30)**

**08 34 23 Sidewalk and Basement Doors (08 34)**

<b>08 34 23 00-0001 Drainage Doors (08 34 23)</b>						
<b>08 34 23 00-0002 Single Leaf Aluminum Drainage Doors (08 34 23 00-0001)</b>						
Note: Bilco - J Series.						
08 34 23 00-0003	EA			2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,076.14	186.77
08 34 23 00-0004	EA			2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,316.21	195.16
08 34 23 00-0005	EA			3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,396.06	199.35
08 34 23 00-0006	EA			3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,536.17	203.55
08 34 23 00-0007	EA			3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,786.04	214.04
08 34 23 00-0008	EA			2' 6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,818.87	209.11
08 34 23 00-0009	EA			3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,020.20	214.04
08 34 23 00-0010	EA			2' 6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,107.84	218.97
08 34 23 00-0011	EA			3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,309.21	223.89
08 34 23 00-0012	EA			3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,675.98	236.47

**08 34 23 00-0013 Double Leaf Aluminum Drainage Doors (08 34 23 00-0001)**

Note: Bilco - JD Series.						
08 34 23 00-0014	EA			4' x 2' 6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,153.37	209.11
08 34 23 00-0015	EA			4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,262.38	223.89
08 34 23 00-0016	EA			4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,862.11	249.07
08 34 23 00-0017	EA			5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,942.40	249.07

**08 34 23 00-0018 Single Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001)**

Note: Bilco - J H2O Series.						
08 34 23 00-0019	EA			2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	1,698.33	186.77
08 34 23 00-0020	EA			2' 6" x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	1,978.54	195.16
08 34 23 00-0021	EA			3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,152.10	199.35
08 34 23 00-0022	EA			3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,432.69	203.55
08 34 23 00-0023	EA			3' 6" x 3' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,809.68	214.04

**08 34 23 00-0024 Double Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001)**

Note: Bilco - JD H2O Series.						
08 34 23 00-0025	EA			4' x 2' 6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,809.01	209.11
08 34 23 00-0026	EA			4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	3,747.60	223.89
08 34 23 00-0027	EA			4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	5,317.42	249.07
08 34 23 00-0028	EA			5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	5,009.67	249.07

**08 34 23 00-0029 Single Leaf Steel Drainage Doors (08 34 23 00-0001)**

Note: Bilco - J Series.						
08 34 23 00-0030	EA			2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door.....	1,535.21	186.77
08 34 23 00-0031	EA			2' 6" x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	1,612.89	195.16
08 34 23 00-0032	EA			3' x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	1,795.81	199.35
08 34 23 00-0033	EA			3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	1,988.06	203.55
08 34 23 00-0034	EA			3' 6" x 3' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,310.61	214.04
08 34 23 00-0035	EA			2' 6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,201.01	209.11
08 34 23 00-0036	EA			3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,505.86	214.04

**08 Openings****08 30 Specialty Doors and Frames****08 34 Special Function Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 34 23 00-0037	EA	2' 6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....	2,494.63		218.97
08 34 23 00-0038	EA	3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....	2,780.91		223.89
08 34 23 00-0039	EA	3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....	2,967.15		236.47
<b>08 34 23 00-0040</b>		<b>Double Leaf Steel Drainage Doors (08 34 23 00-0001)</b>			
		Note: Bilco - JD Series.			
08 34 23 00-0041	EA	4' x 2' 6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....	2,703.09		209.11
08 34 23 00-0042	EA	4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....	2,836.69		223.89
08 34 23 00-0043	EA	4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....	3,534.60		249.07
08 34 23 00-0044	EA	5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....	3,636.87		249.07
<b>08 34 23 00-0045</b>		<b>Single Leaf Steel H2O Drainage Doors (08 34 23 00-0001)</b>			
		Note: Bilco - J H2O Series.			
08 34 23 00-0046	EA	2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	2,613.75		186.77
08 34 23 00-0047	EA	2' 6" x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	2,765.81		195.16
08 34 23 00-0048	EA	3' x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	2,865.09		199.35
08 34 23 00-0049	EA	3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	3,373.47		203.55
08 34 23 00-0050	EA	3' 6" x 3' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	3,974.95		214.04
<b>08 34 23 00-0051</b>		<b>Double Leaf Steel H2O Drainage Doors (08 34 23 00-0001)</b>			
		Note: Bilco - JD H2O Series.			
08 34 23 00-0052	EA	4' x 2' 6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	4,376.69		209.11
08 34 23 00-0053	EA	4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	4,891.50		223.89
08 34 23 00-0054	EA	4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	7,262.99		249.07
08 34 23 00-0055	EA	5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	7,077.04		249.07
<b>08 34 23 00-0056</b>		<b>Single Leaf Aluminum Drainage Door (08 34 23 00-0001)</b>			
		Note: Bilco - J-R (Odor Resistant).			
08 34 23 00-0057	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant .....	1,908.96		186.77
08 34 23 00-0058	EA	2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant .....	2,279.77		195.16
08 34 23 00-0059	EA	3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant .....	2,421.99		199.35
08 34 23 00-0060	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant .....	2,566.87		203.55
08 34 23 00-0061	EA	3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant .....	2,912.04		214.04
<b>08 34 23 00-0062</b>		<b>Non-Drainage Doors (08 34 23)</b>			
<b>08 34 23 00-0063</b>		<b>Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>			
		Note: Bilco - Q Series.			
08 34 23 00-0064	EA	2' x 2' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,036.08		186.77
08 34 23 00-0065	EA	2' 6" x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,249.31		195.16
08 34 23 00-0066	EA	3' x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,335.92		199.35
08 34 23 00-0067	EA	3' x 3' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,389.02		203.55
08 34 23 00-0068	EA	3' 6" x 3' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,739.21		214.04
08 34 23 00-0069	EA	2' 6" x 4' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,571.36		209.11
08 34 23 00-0070	EA	3' x 4' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,752.59		214.04
08 34 23 00-0071	EA	2' 6" x 5' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,960.54		218.97
08 34 23 00-0072	EA	3' x 5' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,075.14		223.89
08 34 23 00-0073	EA	3' x 6' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,355.13		236.47
<b>08 34 23 00-0074</b>		<b>Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>			
		Note: Bilco - K Series.			
08 34 23 00-0075	EA	2' x 2' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	855.45		186.77
08 34 23 00-0076	EA	2' 6" x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,021.84		195.16
08 34 23 00-0077	EA	3' x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,128.52		199.35
08 34 23 00-0078	EA	3' x 3' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,201.70		203.55
08 34 23 00-0079	EA	3' 6" x 3' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,391.32		214.04
<b>08 34 23 00-0080</b>		<b>Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>			
		Note: Bilco - QD Series.			
08 34 23 00-0081	EA	4' x 2'-6" Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,986.15		209.11
<b>08 34 23 00-0082</b>		<b>Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>			
		Note: Bilco - KD Series.			
08 34 23 00-0083	EA	4' x 4' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,907.89		223.89
08 34 23 00-0084	EA	4' x 6' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,668.21		249.07
08 34 23 00-0085	EA	5' x 5' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,721.73		249.07
<b>08 34 23 00-0086</b>		<b>Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>			
		Note: Bilco - T Series.			
08 34 23 00-0087	EA	2' x 2' Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	935.73		186.77
08 34 23 00-0088	EA	2'-6" x 2'-6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	1,088.74		195.16
08 34 23 00-0089	EA	3' x 2' 6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	1,161.98		199.35
08 34 23 00-0090	EA	3' x 3' Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	1,268.60		203.55
08 34 23 00-0091	EA	3'-6" x 3'-6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	1,478.29		214.04

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 34 23 00-0092</b>		<b>Double Leaf Aluminum Non-Drainage Doors</b> (08 34 23 00-0062) Note: Bilco - TD Series.			
08 34 23 00-0093	EA	4' x 4' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	2,021.62		223.89
08 34 23 00-0094	EA	4' x 6' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	2,808.70		249.07
08 34 23 00-0095	EA	5' x 5' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	2,848.84		249.07

<b>08 34 23 00-0096</b>		<b>Single Leaf Steel Non-Drainage Doors</b> (08 34 23 00-0062) Note: Bilco - Q Series.			
08 34 23 00-0097	EA	2' x 2' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door .....	1,051.80		186.77
08 34 23 00-0098	EA	2'-6" x 2'-6" Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door.....	1,175.90		195.16
08 34 23 00-0099	EA	3' x 2'-6" Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door .....	1,321.69		199.35
08 34 23 00-0100	EA	3' x 3' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door .....	1,402.34		203.55
08 34 23 00-0101	EA	2'-6" x 4' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door.....	1,597.60		203.55

<b>08 34 23 00-0102</b>		<b>Double Leaf Steel Non-Drainage Doors</b> (08 34 23 00-0062) Note: Bilco - QD Series.			
08 34 23 00-0103	EA	4' x 2' 6" Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,117.33		209.11

<b>08 34 23 00-0104</b>		<b>Basement Doors</b> (08 34 23) Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.			
08 34 23 00-0105	EA	45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal (Bilco Classic Series).....	1,446.83		235.95
08 34 23 00-0106	EA	30" High x 47" Wide x 58" Long, Basement Door (Bilco Classic Series).....	1,203.70		178.80
08 34 23 00-0107	EA	22" High x 51" Wide x 64" Long, Basement Door (Bilco Classic Series).....	1,252.38		196.63
08 34 23 00-0108	EA	19-1/2" High x 55" Wide x 72" Long, Basement Door (Bilco Classic Series) .....	1,338.15		209.74
08 34 23 00-0109	EA	52" High x 51" Wide x 43-1/4" Long, Basement Door (Bilco Classic Series) .....	1,481.68		235.95

**08 34 49 Radiation Shielding Doors and Frames** (08 34)

**08 34 49 13 Neutron Shielding Doors and Frames** (08 34 49)

**08 34 49 13-0001 Lead Lined Doors And Frames** (08 34 49 13)

08 34 49 13-0002	SF	1/16" Thick Laminated Lead In Wood Door .....	109.54		10.49
08 34 49 13-0003	SF	1/8" Thick Laminated Lead In Wood Door .....	134.54		10.49
08 34 49 13-0004	LF	1/16" Thick Lead Lined Door Frame .....	119.01		10.49
08 34 49 13-0005	LF	1/8" Thick Lead Lined Door Frame .....	127.34		10.49

**08 34 53 Security Doors and Frames** (08 34)

**08 34 53 00-0001 Metal Security Doors** (08 34 53)

Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.					
08 34 53 00-0002	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O).....	886.55		71.37
Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.					
08 34 53 00-0003	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O).....	886.55		71.37
Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.					
08 34 53 00-0004	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O).....	1,258.46		71.37
Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.					

**08 34 56 Security Gates** (08 34)

**08 34 56 00-0001 Pivoting Double Folding Gate** (08 34 56)

Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.					
08 34 56 00-0002	EA	6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,013.15		199.75
08 34 56 00-0003	EA	8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,137.47		224.72
08 34 56 00-0004	EA	8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,224.59		249.69
08 34 56 00-0005	EA	8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,348.90		274.65
08 34 56 00-0006	EA	10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,148.17		202.25
08 34 56 00-0007	EA	10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,235.51		227.22
08 34 56 00-0008	EA	10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,354.76		252.19
08 34 56 00-0009	EA	10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,447.44		277.15
08 34 56 00-0010	EA	12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,208.93		204.74
08 34 56 00-0011	EA	12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,296.00		229.71
08 34 56 00-0012	EA	12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,367.53		242.19
08 34 56 00-0013	EA	12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,439.34		254.68
08 34 56 00-0014	EA	12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,535.78		279.65
08 34 56 00-0015	EA	14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,325.59		207.24
08 34 56 00-0016	EA	14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,412.37		232.21
08 34 56 00-0017	EA	14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,493.14		244.69
08 34 56 00-0018	EA	14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,593.36		257.18
08 34 56 00-0019	EA	14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,735.79		282.14
08 34 56 00-0020	EA	16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,503.09		212.23
08 34 56 00-0021	EA	16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,613.35		239.70
08 34 56 00-0022	EA	16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,736.22		254.68
08 34 56 00-0023	EA	16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,808.05		262.17

**08 34 56 00-0024 Pivoting Single Folding Gate** (08 34 56)

Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.					
08 34 56 00-0025	EA	5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	688.76		139.82
08 34 56 00-0026	EA	5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate .....	735.93		144.82

**08 Openings****08 30 Specialty Doors and Frames****08 34 Special Function Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 34 56 00-0027	EA 5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	783.11	149.81
08 34 56 00-0028	EA 5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	840.30	159.80
08 34 56 00-0029	EA 5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	878.86	169.79
08 34 56 00-0030	EA 6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	735.79	144.82
08 34 56 00-0031	EA 6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	783.18	149.81
08 34 56 00-0032	EA 6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	830.36	154.81
08 34 56 00-0033	EA 6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	887.48	164.79
08 34 56 00-0034	EA 6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	926.29	174.78
08 34 56 00-0035	EA 7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	801.56	149.81
08 34 56 00-0036	EA 7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	848.96	154.81
08 34 56 00-0037	EA 7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	896.06	159.80
08 34 56 00-0038	EA 7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	953.36	169.79
08 34 56 00-0039	EA 7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,010.75	179.77
<b>08 34 56 00-0040</b>	<b>Window Gates, Expands From 2' To 4'</b> <small>(08 34 56)</small>		
	Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
08 34 56 00-0041	EA 33" High Window Gate, Up To 4' Wide Opening.....	279.61	54.93
08 34 56 00-0042	EA 37" High Window Gate, Up To 4' Wide Opening.....	289.61	59.93
08 34 56 00-0043	EA 40" High Window Gate, Up To 4' Wide Opening.....	289.61	59.93
08 34 56 00-0044	EA 43" High Window Gate, Up To 4' Wide Opening.....	300.32	64.92
08 34 56 00-0045	EA 46" High Window Gate, Up To 4' Wide Opening.....	300.32	64.92
08 34 56 00-0046	EA 49" High Window Gate, Up To 4' Wide Opening.....	310.30	69.91
08 34 56 00-0047	EA 51" High Window Gate, Up To 4' Wide Opening.....	310.31	69.91
08 34 56 00-0048	EA 53" High Window Gate, Up To 4' Wide Opening.....	320.29	74.90
08 34 56 00-0049	EA 55" High Window Gate, Up To 4' Wide Opening.....	320.29	74.90
08 34 56 00-0050	EA 57" High Window Gate, Up To 4' Wide Opening.....	330.28	79.90
08 34 56 00-0051	EA 59" High Window Gate, Up To 4' Wide Opening.....	330.28	79.90
<b>08 34 56 00-0052</b>	<b>Pivoting Door Gate, Expands From 2' To 4'</b> <small>(08 34 56)</small>		
	Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
08 34 56 00-0053	EA 61" High Pivoting Door Gate, Up To 4' Wide Opening.....	340.27	84.90
08 34 56 00-0054	EA 63" High Pivoting Door Gate, Up To 4' Wide Opening.....	342.54	84.90
08 34 56 00-0055	EA 66" High Pivoting Door Gate, Up To 4' Wide Opening.....	355.53	89.89
08 34 56 00-0056	EA 71" High Pivoting Door Gate, Up To 4' Wide Opening.....	368.54	94.88
08 34 56 00-0057	EA 73" High Pivoting Door Gate, Up To 4' Wide Opening.....	371.55	94.88
08 34 56 00-0058	EA 76" High Pivoting Door Gate, Up To 4' Wide Opening.....	384.55	99.87
08 34 56 00-0059	EA 79" High Pivoting Door Gate, Up To 4' Wide Opening.....	387.56	99.87
08 34 56 00-0060	EA 81" High Pivoting Door Gate, Up To 4' Wide Opening.....	399.63	104.87
08 34 56 00-0061	EA 83" High Pivoting Door Gate, Up To 4' Wide Opening.....	403.57	104.87
<b>08 34 73</b>	<b>Sound Control Door Assemblies</b> <small>(08 34)</small>		
<b>08 34 73 13</b>	<b>Metal Sound Control Door Assemblies</b> <small>(08 34 73)</small>		
08 34 73 13-0001	Steel Acoustical Door Assembly <small>(08 34 73 13)</small>		
	Note: Includes seal.		
08 34 73 13-0002	Steel Acoustical Doors <small>(08 34 73 13-0001)</small>		
	Note: Includes hinges.		
08 34 73 13-0003	EA 3' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated).....	3,254.07	62.92
	For 60 Minutes Fire Rated, Add	188.95	
	For 3" x 33" Vision Lite, Add	1,312.98	
	For 20" x 64" Vision Lite, Add	1,405.04	
08 34 73 13-0004	EA 3'-6" x 7', 14 Gauge, STC 52, Steel Acoustical Door (Unrated).....	3,448.26	65.54
	For 60 Minutes Fire Rated, Add	188.95	
	For 3" x 33" Vision Lite, Add	1,312.98	
	For 20" x 64" Vision Lite, Add	1,405.04	
08 34 73 13-0005	EA 4' x 7', 14 Gauge, STC 53, Steel Acoustical Door (Unrated).....	3,647.71	70.79
	For 60 Minutes Fire Rated, Add	188.95	
	For 3" x 33" Vision Lite, Add	1,312.98	
	For 20" x 64" Vision Lite, Add	1,405.04	
08 34 73 13-0006	PR Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors (Unrated).....	6,495.56	119.55
	For 1 Hour Fire Rated, Add	377.91	
	For 3" x 33" Windows, Add	2,625.97	
	For 20" x 64" Windows, Add	2,810.08	
08 34 73 13-0007	Steel Acoustical Door Frames <small>(08 34 73 13-0001)</small>		
08 34 73 13-0008	EA 3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,661.29	104.87
08 34 73 13-0009	EA 3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,730.73	104.87
08 34 73 13-0010	EA 3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,800.18	104.87
08 34 73 13-0011	EA 3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,869.62	104.87
08 34 73 13-0012	EA 3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,044.02	115.36
08 34 73 13-0013	EA 3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,121.54	115.36
08 34 73 13-0014	EA 3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,190.98	115.36
08 34 73 13-0015	EA 3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,277.11	115.36
08 34 73 13-0016	EA 4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,434.03	120.59
08 34 73 13-0017	EA 4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,503.47	120.59
08 34 73 13-0018	EA 4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,572.92	120.59
08 34 73 13-0019	EA 4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,650.44	120.59
08 34 73 13-0020	EA 6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,083.38	136.33
08 34 73 13-0021	EA 6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,149.60	136.33



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 34 73 13-0022	EA		6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,220.66	136.33
08 34 73 13-0023	EA		6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,293.33	136.33

**08 34 73 16 Wood Sound Control Door Assemblies (08 34 73)**

08 34 73 16-0001			Wood Acoustical Door Assembly (08 34 73 16) Note: Includes the prefinished door, frame, hinges and seals.		
08 34 73 16-0002	EA		3' x 7' x 1-3/4" Thick, STC 40, Wood Acoustical Door System (Unrated).....	3,248.62	188.76
08 34 73 16-0003	EA		3' x 7' x 1-3/4" Thick, STC 49, Wood Acoustical Door System (Unrated).....	4,459.86	188.76

**08 36 Panel Doors (08 30)**

**08 36 13 Sectional Doors (08 36)**

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0945 for forklift.

08 36 13 00-0001			Sectional Wood Overhead Doors (Width x Height) (08 36 13)		
08 36 13 00-0002			Wood Sectional Overhead Doors (08 36 13 00-0001) Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0003	EA		8' x 8', Wood Sectional Door, Manual Lift.....	2,776.27	419.48
08 36 13 00-0004	EA		10' x 10', Wood Sectional Door, Manual Lift.....	3,455.81	465.61
08 36 13 00-0005	EA		12' x 12', Wood Sectional Door, Manual Lift.....	4,411.85	557.90
08 36 13 00-0006	EA		14' x 14', Wood Sectional Door, Manual Lift.....	6,368.86	645.99
08 36 13 00-0007	EA		12' x 16', Wood Sectional Door, Manual Lift.....	6,835.28	838.95
08 36 13 00-0008	EA		20' x 8', Wood Sectional Door, Manual Lift.....	6,494.78	1,048.69
08 36 13 00-0009	EA		20' x 16', Wood Sectional Door, Manual Lift.....	11,888.71	1,397.90

**08 36 13 00-0010 Residential Grade, Wood Sectional Overhead Doors (08 36 13 00-0001)**

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0011	EA		9' x 7', Residential Grade, Wood Sectional Door, Manual Lift.....	1,433.59	209.74
			For Hardboard Face, Add	115.00	
			For Insulation, Add	117.00	
			For Motor Operator With Remote Controls, Add	438.81	
			For Each Glass Vision Panel In Door, Add	50.00	
08 36 13 00-0012	EA		16' x 7', Residential Grade, Wood Sectional Door, Manual Lift.....	2,266.70	209.74
			For Hardboard Face, Add	115.00	
			For Insulation, Add	117.00	
			For Motor Operator With Remote Controls, Add	469.99	
			For Each Glass Vision Panel In Door, Add	50.00	

**08 36 13 00-0013 Sectional Metal Overhead Doors (Width x Height) (08 36 13)**

Note: Includes tracks and all hardware.

**08 36 13 00-0014 Galvanized Steel Sectional Overhead Doors (08 36 13 00-0013)**

**08 36 13 00-0015 Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors (08 36 13 00-0014)**

Note: Includes 2" door, tracks and hardware. Excludes frame.

08 36 13 00-0016	EA		8' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,623.84	367.04
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	129.02	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	222.44	
			For Aluminum, Mill Finish, Add	101.43	
			For Aluminum, Anodized Finish, Add	283.83	
08 36 13 00-0017	EA		8' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,913.10	419.48
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	155.75	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	268.54	
			For Aluminum, Mill Finish, Add	122.45	
			For Aluminum, Anodized Finish, Add	342.65	
08 36 13 00-0018	EA		8' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,361.99	524.34
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	190.43	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	328.33	
			For Aluminum, Mill Finish, Add	149.72	
			For Aluminum, Anodized Finish, Add	418.94	
08 36 13 00-0019	EA		10' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,830.98	419.48
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	143.84	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	248.01	
			For Aluminum, Mill Finish, Add	113.09	
			For Aluminum, Anodized Finish, Add	316.46	
08 36 13 00-0020	EA		10' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,256.82	524.34
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	175.18	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	302.03	
			For Aluminum, Mill Finish, Add	137.73	
			For Aluminum, Anodized Finish, Add	385.39	
08 36 13 00-0021	EA		10' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,840.83	681.65
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	214.24	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	369.39	
			For Aluminum, Mill Finish, Add	168.44	
			For Aluminum, Anodized Finish, Add	471.34	
08 36 13 00-0022	EA		10' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,360.02	838.95
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	243.91	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	420.53	
			For Aluminum, Mill Finish, Add	191.76	
			For Aluminum, Anodized Finish, Add	536.60	

**08 Openings****08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0023	EA		12' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,187.69	524.34
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	165.16	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	284.75	
			For Aluminum, Mill Finish, Add	129.85	
			For Aluminum, Anodized Finish, Add	363.34	
08 36 13 00-0024	EA		12' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,737.11	681.65
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	199.20	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	343.46	
			For Aluminum, Mill Finish, Add	156.62	
			For Aluminum, Anodized Finish, Add	438.25	
08 36 13 00-0025	EA		12' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,341.28	838.95
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	241.19	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	415.85	
			For Aluminum, Mill Finish, Add	189.63	
			For Aluminum, Anodized Finish, Add	530.62	
08 36 13 00-0026	EA		12' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,942.59	996.25
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	282.76	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	487.52	
			For Aluminum, Mill Finish, Add	222.31	
			For Aluminum, Anodized Finish, Add	622.08	
08 36 13 00-0027	EA		12' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	4,706.37	1,205.99
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	332.69	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	573.60	
			For Aluminum, Mill Finish, Add	261.56	
			For Aluminum, Anodized Finish, Add	731.91	
08 36 13 00-0028	EA		14' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,600.25	681.65
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	179.36	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	309.24	
			For Aluminum, Mill Finish, Add	141.01	
			For Aluminum, Anodized Finish, Add	394.59	
08 36 13 00-0029	EA		14' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,198.66	838.95
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	220.51	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	380.19	
			For Aluminum, Mill Finish, Add	173.37	
			For Aluminum, Anodized Finish, Add	485.12	
08 36 13 00-0030	EA		14' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,948.05	1,048.69
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	268.35	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	462.67	
			For Aluminum, Mill Finish, Add	210.98	
			For Aluminum, Anodized Finish, Add	590.36	
08 36 13 00-0031	EA		14' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	4,552.22	1,205.99
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	310.34	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	535.06	
			For Aluminum, Mill Finish, Add	243.99	
			For Aluminum, Anodized Finish, Add	682.74	
08 36 13 00-0032	EA		14' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	5,232.75	1,363.29
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	363.39	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	626.54	
			For Aluminum, Mill Finish, Add	285.70	
			For Aluminum, Anodized Finish, Add	799.47	
08 36 13 00-0033	EA		16' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,148.23	838.95
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	213.20	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	367.58	
			For Aluminum, Mill Finish, Add	167.62	
			For Aluminum, Anodized Finish, Add	469.04	
08 36 13 00-0034	EA		16' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,894.74	1,048.69
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	260.62	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	449.34	
			For Aluminum, Mill Finish, Add	204.90	
			For Aluminum, Anodized Finish, Add	573.36	
08 36 13 00-0035	EA		16' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	4,579.58	1,205.99
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	314.30	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	541.90	
			For Aluminum, Mill Finish, Add	247.11	
			For Aluminum, Anodized Finish, Add	691.47	
08 36 13 00-0036	EA		16' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	5,448.85	1,363.29
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	394.73	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	680.57	
			For Aluminum, Mill Finish, Add	310.34	
			For Aluminum, Anodized Finish, Add	868.40	
08 36 13 00-0037	EA		16' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	6,345.20	1,573.03
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	463.87	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	799.78	
			For Aluminum, Mill Finish, Add	364.70	
			For Aluminum, Anodized Finish, Add	1,020.52	
08 36 13 00-0038	EA		18' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	4,005.69	1,048.69
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	276.70	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	477.08	
			For Aluminum, Mill Finish, Add	217.55	
			For Aluminum, Anodized Finish, Add	608.75	
08 36 13 00-0039	EA		18' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	4,778.41	1,205.99
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	343.13	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	591.61	
			For Aluminum, Mill Finish, Add	269.77	
			For Aluminum, Anodized Finish, Add	754.89	
08 36 13 00-0040	EA		18' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	5,765.79	1,363.29
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	440.69	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	759.80	
			For Aluminum, Mill Finish, Add	346.47	
			For Aluminum, Anodized Finish, Add	969.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0041	EA		18' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	6,663.59 510.04 879.38 401.00 1,122.09	1,573.03
08 36 13 00-0042	EA		18' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	7,650.69 592.35 1,021.29 465.71 1,303.16	1,782.77
08 36 13 00-0043	EA		20' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	4,552.22 310.34 535.06 243.99 682.74	1,205.99
08 36 13 00-0044	EA		20' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	5,324.96 376.77 649.60 296.22 828.88	1,363.29
08 36 13 00-0045	EA		20' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	6,552.66 493.95 851.65 388.35 1,086.70	1,573.03
08 36 13 00-0046	EA		20' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	7,450.44 563.31 971.22 442.88 1,239.28	1,782.77
08 36 13 00-0047	EA		20' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	9,163.64 750.90 1,294.65 590.36 1,651.97	1,992.51
08 36 13 00-0048	EA		22' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	5,071.39 340.00 586.20 267.31 747.99	1,363.29
08 36 13 00-0049	EA		22' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	6,242.93 449.04 774.21 353.04 987.90	1,573.03
08 36 13 00-0050	EA		22' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	7,385.61 553.91 955.02 435.49 1,218.60	1,782.77
08 36 13 00-0051	EA		22' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	8,698.30 683.42 1,178.32 537.31 1,503.53	1,992.51
08 36 13 00-0052	EA		22' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	9,802.05 782.65 1,349.40 615.32 1,721.83	2,202.25
08 36 13 00-0053	EA		24' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	5,630.65 360.26 621.14 283.24 792.58	1,573.03
08 36 13 00-0054	EA		24' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	6,846.79 475.78 820.31 374.06 1,046.72	1,782.77
08 36 13 00-0055	EA		24' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	8,312.21 627.44 1,081.79 493.30 1,380.37	1,992.51
08 36 13 00-0056	EA		24' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	9,289.18 708.28 1,221.18 556.86 1,558.22	2,202.25
08 36 13 00-0057	EA		24' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	10,418.90 811.27 1,398.74 637.82 1,784.79	2,411.98

08 36 13 00-0058 Insulated, 24 Gauge Galvanized Steel Sectional Doors (08 36 13 00-0014)  
 Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.

## 08 Openings

## 08 30 Specialty Doors and Frames

## 08 36 Panel Doors

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0059	EA		8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,047.80	367.04
			<i>For Aluminum, Mill Finish, Add</i>	149.76	
			<i>For Aluminum, Anodized Finish, Add</i>	419.08	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	164.22	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	328.43	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	853.92	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,642.15	
08 36 13 00-0060	EA		8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,439.33	419.48
			<i>For Aluminum, Mill Finish, Add</i>	182.44	
			<i>For Aluminum, Anodized Finish, Add</i>	510.52	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	200.05	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	400.10	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,040.25	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,000.48	
08 36 13 00-0061	EA		8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,996.83	524.34
			<i>For Aluminum, Mill Finish, Add</i>	222.09	
			<i>For Aluminum, Anodized Finish, Add</i>	621.46	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	243.52	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	487.04	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,266.29	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,435.18	
08 36 13 00-0062	EA		10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,380.89	419.48
			<i>For Aluminum, Mill Finish, Add</i>	175.78	
			<i>For Aluminum, Anodized Finish, Add</i>	491.88	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	192.74	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	385.49	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,002.26	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,927.43	
08 36 13 00-0063	EA		10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,924.85	524.34
			<i>For Aluminum, Mill Finish, Add</i>	213.88	
			<i>For Aluminum, Anodized Finish, Add</i>	598.50	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	234.52	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	469.04	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,219.50	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,345.20	
08 36 13 00-0064	EA		10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,718.99	681.65
			<i>For Aluminum, Mill Finish, Add</i>	268.55	
			<i>For Aluminum, Anodized Finish, Add</i>	751.47	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	294.46	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	588.93	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,531.21	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,944.63	
08 36 13 00-0065	EA		10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,318.90	838.95
			<i>For Aluminum, Mill Finish, Add</i>	301.07	
			<i>For Aluminum, Anodized Finish, Add</i>	842.48	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	330.13	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	660.25	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,716.65	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,301.25	
08 36 13 00-0066	EA		12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,814.81	524.34
			<i>For Aluminum, Mill Finish, Add</i>	201.34	
			<i>For Aluminum, Anodized Finish, Add</i>	563.39	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	220.77	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	441.53	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,147.98	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,207.65	
08 36 13 00-0067	EA		12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,511.15	681.65
			<i>For Aluminum, Mill Finish, Add</i>	244.86	
			<i>For Aluminum, Anodized Finish, Add</i>	685.17	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	268.48	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	536.97	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,396.11	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,684.83	
08 36 13 00-0068	EA		12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,282.22	838.95
			<i>For Aluminum, Mill Finish, Add</i>	296.89	
			<i>For Aluminum, Anodized Finish, Add</i>	830.78	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	325.54	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	651.08	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,692.81	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,255.40	
08 36 13 00-0069	EA		12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,008.46	996.25
			<i>For Aluminum, Mill Finish, Add</i>	343.82	
			<i>For Aluminum, Anodized Finish, Add</i>	962.09	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	376.99	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	753.99	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,960.37	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,769.94	
08 36 13 00-0070	EA		12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,080.01	1,205.99
			<i>For Aluminum, Mill Finish, Add</i>	418.16	
			<i>For Aluminum, Anodized Finish, Add</i>	1,170.10	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	458.51	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	917.01	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,384.23	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,585.05	
08 36 13 00-0071	EA		14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,349.48	681.65
			<i>For Aluminum, Mill Finish, Add</i>	226.43	
			<i>For Aluminum, Anodized Finish, Add</i>	633.59	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	248.27	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	496.55	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,291.02	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,482.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0072	EA		14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,153.16	838.95
			<i>For Aluminum, Mill Finish, Add</i>	282.18	
			<i>For Aluminum, Anodized Finish, Add</i>	789.61	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	309.41	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	618.82	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,608.92	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,094.08	
08 36 13 00-0073	EA		14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,054.92	1,048.69
			<i>For Aluminum, Mill Finish, Add</i>	337.16	
			<i>For Aluminum, Anodized Finish, Add</i>	943.46	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	369.69	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	739.39	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,922.40	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,696.93	
08 36 13 00-0074	EA		14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,955.01	1,205.99
			<i>For Aluminum, Mill Finish, Add</i>	403.91	
			<i>For Aluminum, Anodized Finish, Add</i>	1,130.23	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	442.88	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	885.76	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,302.98	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,428.80	
08 36 13 00-0075	EA		14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,833.41	1,363.29
			<i>For Aluminum, Mill Finish, Add</i>	468.18	
			<i>For Aluminum, Anodized Finish, Add</i>	1,310.08	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	513.35	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,026.71	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,669.44	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,133.54	
08 36 13 00-0076	EA		16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,013.24	838.95
			<i>For Aluminum, Mill Finish, Add</i>	266.23	
			<i>For Aluminum, Anodized Finish, Add</i>	744.97	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	291.92	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	583.84	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,517.97	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,919.18	
08 36 13 00-0077	EA		16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,163.60	1,048.69
			<i>For Aluminum, Mill Finish, Add</i>	349.55	
			<i>For Aluminum, Anodized Finish, Add</i>	978.12	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	383.28	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	766.56	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,993.04	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,832.78	
08 36 13 00-0078	EA		16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,028.38	1,205.99
			<i>For Aluminum, Mill Finish, Add</i>	412.27	
			<i>For Aluminum, Anodized Finish, Add</i>	1,153.63	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	452.05	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	904.10	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,350.67	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,520.51	
08 36 13 00-0079	EA		16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,898.61	1,363.29
			<i>For Aluminum, Mill Finish, Add</i>	475.61	
			<i>For Aluminum, Anodized Finish, Add</i>	1,330.88	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	521.50	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,043.01	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,711.82	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,215.04	
08 36 13 00-0080	EA		16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,154.96	1,573.03
			<i>For Aluminum, Mill Finish, Add</i>	571.01	
			<i>For Aluminum, Anodized Finish, Add</i>	1,597.83	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	626.11	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,252.22	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,255.77	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,261.10	
08 36 13 00-0081	EA		18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,636.48	1,048.69
			<i>For Aluminum, Mill Finish, Add</i>	289.46	
			<i>For Aluminum, Anodized Finish, Add</i>	809.97	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	317.39	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	634.78	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,650.42	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,173.88	
08 36 13 00-0082	EA		18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,739.01	1,205.99
			<i>For Aluminum, Mill Finish, Add</i>	379.28	
			<i>For Aluminum, Anodized Finish, Add</i>	1,061.33	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	415.88	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	831.76	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,162.58	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,158.80	
08 36 13 00-0083	EA		18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,659.51	1,363.29
			<i>For Aluminum, Mill Finish, Add</i>	448.35	
			<i>For Aluminum, Anodized Finish, Add</i>	1,254.60	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	491.62	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	983.23	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,556.40	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,916.16	
08 36 13 00-0084	EA		18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,293.53	1,573.03
			<i>For Aluminum, Mill Finish, Add</i>	586.81	
			<i>For Aluminum, Anodized Finish, Add</i>	1,642.04	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	643.43	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,286.86	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,345.84	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,434.31	

**08 Openings****08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0085	EA		18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,092.03	1,782.77
			<i>For Aluminum, Mill Finish, Add</i>	630.02	
			<i>For Aluminum, Anodized Finish, Add</i>	1,762.95	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	690.81	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,381.62	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,592.21	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,908.10	
08 36 13 00-0086	EA		20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,713.20	1,205.99
			<i>For Aluminum, Mill Finish, Add</i>	376.34	
			<i>For Aluminum, Anodized Finish, Add</i>	1,053.09	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	412.65	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	825.31	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,145.80	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,126.54	
08 36 13 00-0087	EA		20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,719.30	1,363.29
			<i>For Aluminum, Mill Finish, Add</i>	455.17	
			<i>For Aluminum, Anodized Finish, Add</i>	1,273.68	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	499.09	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	998.18	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,595.27	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,990.90	
08 36 13 00-0088	EA		20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,572.02	1,573.03
			<i>For Aluminum, Mill Finish, Add</i>	618.56	
			<i>For Aluminum, Anodized Finish, Add</i>	1,730.87	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	678.24	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,356.49	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,526.86	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,782.43	
08 36 13 00-0089	EA		20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,340.63	1,782.77
			<i>For Aluminum, Mill Finish, Add</i>	658.36	
			<i>For Aluminum, Anodized Finish, Add</i>	1,842.25	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	721.89	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,443.77	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,753.80	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,218.85	
08 36 13 00-0090	EA		20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,842.86	1,992.51
			<i>For Aluminum, Mill Finish, Add</i>	781.79	
			<i>For Aluminum, Anodized Finish, Add</i>	2,187.64	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	857.23	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,714.46	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,457.58	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	8,572.28	
08 36 13 00-0091	EA		22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,272.34	1,363.29
			<i>For Aluminum, Mill Finish, Add</i>	404.22	
			<i>For Aluminum, Anodized Finish, Add</i>	1,131.10	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	443.22	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	886.44	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,304.74	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,432.20	
08 36 13 00-0092	EA		22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,743.34	1,573.03
			<i>For Aluminum, Mill Finish, Add</i>	524.09	
			<i>For Aluminum, Anodized Finish, Add</i>	1,466.53	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	574.66	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,149.32	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,988.22	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,746.58	
08 36 13 00-0093	EA		22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,191.21	1,782.77
			<i>For Aluminum, Mill Finish, Add</i>	641.33	
			<i>For Aluminum, Anodized Finish, Add</i>	1,794.59	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	703.21	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,406.42	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,656.68	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,032.08	
08 36 13 00-0094	EA		22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,327.98	1,992.51
			<i>For Aluminum, Mill Finish, Add</i>	723.10	
			<i>For Aluminum, Anodized Finish, Add</i>	2,023.40	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	792.87	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,585.74	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,122.91	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,928.68	
08 36 13 00-0095	EA		22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,775.81	2,202.25
			<i>For Aluminum, Mill Finish, Add</i>	840.33	
			<i>For Aluminum, Anodized Finish, Add</i>	2,351.46	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	921.42	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,842.84	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,791.37	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	9,214.18	
08 36 13 00-0096	EA		24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,992.07	1,573.03
			<i>For Aluminum, Mill Finish, Add</i>	438.44	
			<i>For Aluminum, Anodized Finish, Add</i>	1,226.87	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	480.75	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	961.50	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,499.89	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,807.49	
08 36 13 00-0097	EA		24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,613.84	1,782.77
			<i>For Aluminum, Mill Finish, Add</i>	575.51	
			<i>For Aluminum, Anodized Finish, Add</i>	1,610.40	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	631.04	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,262.07	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,281.39	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,310.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0098	EA		24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,984.29	1,992.51
			<i>For Aluminum, Mill Finish, Add</i>	683.91	
			<i>For Aluminum, Anodized Finish, Add</i>	1,913.76	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	749.91	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,499.81	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,899.51	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,499.06	
08 36 13 00-0099	EA		24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,434.84	2,202.25
			<i>For Aluminum, Mill Finish, Add</i>	801.46	
			<i>For Aluminum, Anodized Finish, Add</i>	2,242.69	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	878.80	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,757.59	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,569.74	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	8,787.96	
08 36 13 00-0100	EA		24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	12,862.33	2,411.98
			<i>For Aluminum, Mill Finish, Add</i>	916.38	
			<i>For Aluminum, Anodized Finish, Add</i>	2,564.24	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,004.80	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,009.60	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,224.95	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	10,047.98	
<b>08 36 13 00-0101</b>			<b>Residential Grade, Galvanized Steel Sectional Overhead Doors</b> (08 36 13 00-0013)		
			Note: Includes track and hardware. Excludes frame.		
08 36 13 00-0102	EA		9' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	952.04	209.74
			<i>For Aluminum And Fiberglass, Add</i>	132.59	
			<i>For Each Glass Vision Panel In Door, Add</i>	50.00	
			<i>For Insulated Door, Add</i>	153.97	
08 36 13 00-0103	EA		9' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,028.79	209.74
			<i>For Aluminum And Fiberglass, Add</i>	156.38	
			<i>For Each Glass Vision Panel In Door, Add</i>	50.00	
			<i>For Insulated Door, Add</i>	181.60	
08 36 13 00-0104	EA		16' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,305.87	239.94
			<i>For Aluminum And Fiberglass, Add</i>	219.26	
			<i>For Each Glass Vision Panel In Door, Add</i>	50.00	
			<i>For Insulated Door, Add</i>	254.63	
08 36 13 00-0105	EA		16' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,426.48	239.94
			<i>For Aluminum And Fiberglass, Add</i>	256.65	
			<i>For Each Glass Vision Panel In Door, Add</i>	50.00	
			<i>For Insulated Door, Add</i>	298.05	
<b>08 36 13 00-0106</b>			<b>Removal And Reinstallation Of Sectional Metal Overhead Doors And Supports</b> (08 36 13 00-0013)		
			Note: Includes storage, cleaning and supply materials.		
08 36 13 00-0107	SF		Removal And Reinstallation Of Sectional Metal Overhead Door And Supports.....	15.02	
<b>08 36 13 00-0108</b>			<b>Sectional Fiberglass Overhead Doors (Width x Height)</b> (08 36 13)		
<b>08 36 13 00-0109</b>			<b>Fiberglass Sectional Overhead Doors</b> (08 36 13 00-0108)		
<b>08 36 13 00-0110</b>			<b>Non-Insulated, Fiberglass Sectional Doors</b> (08 36 13 00-0109)		
			Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0111	EA		8' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	2,466.43	367.04
08 36 13 00-0112	EA		8' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	2,927.35	419.48
08 36 13 00-0113	EA		8' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	3,464.74	524.34
08 36 13 00-0114	EA		10' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	2,893.16	419.48
08 36 13 00-0115	EA		10' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	3,450.96	471.91
08 36 13 00-0116	EA		10' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	4,305.27	655.43
08 36 13 00-0117	EA		10' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	5,164.67	838.95
08 36 13 00-0118	EA		12' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	3,416.30	524.34
08 36 13 00-0119	EA		12' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	4,285.33	655.43
08 36 13 00-0120	EA		12' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	5,142.64	786.52
08 36 13 00-0121	EA		12' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	6,259.93	1,048.69
08 36 13 00-0122	EA		12' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	7,279.76	1,258.43
08 36 13 00-0123	EA		14' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	4,148.93	734.08
08 36 13 00-0124	EA		14' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	5,045.01	838.95
08 36 13 00-0125	EA		14' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	6,157.36	1,048.69
08 36 13 00-0126	EA		14' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	7,268.37	1,258.43
08 36 13 00-0127	EA		14' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	8,172.78	1,363.29
08 36 13 00-0128	EA		16' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	4,711.66	838.95
08 36 13 00-0129	EA		16' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	5,673.96	943.82
08 36 13 00-0130	EA		16' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	6,863.58	1,153.56
08 36 13 00-0131	EA		16' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	8,038.87	1,363.29
08 36 13 00-0132	EA		16' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	9,004.45	1,468.16
<b>08 36 13 00-0133</b>			<b>Insulated, Fiberglass Sectional Doors</b> (08 36 13 00-0109)		
			Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.		
08 36 13 00-0134	EA		8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift .....	3,038.07	367.04
08 36 13 00-0135	EA		8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift .....	3,616.52	419.48
08 36 13 00-0136	EA		8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift .....	4,262.03	524.34
08 36 13 00-0137	EA		10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift .....	3,571.05	419.48
08 36 13 00-0138	EA		10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift .....	4,278.34	471.91
08 36 13 00-0139	EA		10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift .....	5,293.43	655.43
08 36 13 00-0140	EA		10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift .....	6,315.48	838.95

**08 Openings****08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 36 13 00-0141	EA	12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,197.61	524.34
08 36 13 00-0142	EA	12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,266.91	655.43
08 36 13 00-0143	EA	12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,320.72	786.52
08 36 13 00-0144	EA	12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	7,633.57	1,048.69
08 36 13 00-0145	EA	12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,851.79	1,258.43
08 36 13 00-0146	EA	14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,033.67	734.08
08 36 13 00-0147	EA	14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,156.33	838.95
08 36 13 00-0148	EA	14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	7,497.16	1,048.69
08 36 13 00-0149	EA	14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,836.63	1,258.43
08 36 13 00-0150	EA	14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	9,970.45	1,363.29
08 36 13 00-0151	EA	16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,712.98	838.95
08 36 13 00-0152	EA	16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,923.49	943.82
08 36 13 00-0153	EA	16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,366.97	1,153.56
08 36 13 00-0154	EA	16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	9,792.35	1,363.29
08 36 13 00-0155	EA	16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	11,007.09	1,468.16

**08 36 13 00-0156 Sectional Overhead Door Accessories (08 36 13)****08 36 13 00-0157 Sectional Overhead Door Accessories (08 36 13 00-0156)**

08 36 13 00-0158	LF	Flap Seal For Sectional Overhead Doors.....	3.77	
08 36 13 00-0159	LF	Weather Seal At Top Of Door For Sectional Overhead Doors.....	5.39	
08 36 13 00-0160	LF	Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors.....	3.10	
08 36 13 00-0161	EA	Cylinder Lock For Sectional Overhead Doors.....	318.39	
08 36 13 00-0162	EA	Manual Chain Hoist For Sectional Overhead Doors.....	541.10	
08 36 13 00-0163	EA	3/4 HP, Electric Chain Lift Operator For Sectional Overhead Doors.....	1,913.41	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0164	EA	1/2 HP Trolley Operator For Sectional Overhead Doors.....	994.90	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0165	EA	3/4 HP Trolley Operator For Sectional Overhead Doors.....	1,262.64	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
		For Door Height >12', Add	10.00	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0166	SF	Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....	26.28	
		Note: Additional cost for factory supplied.		
08 36 13 00-0167	SF	>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....	16.39	
		Note: Additional cost for factory supplied.		
08 36 13 00-0168	SF	Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors.....	27.48	
		Note: Additional cost for factory supplied.		
08 36 13 00-0169	SF	>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors.....	18.73	
		Note: Additional cost for factory supplied.		
08 36 13 00-0170	SF	Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors.....	44.21	
		Note: Additional cost for factory supplied.		
08 36 13 00-0171	SF	>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors.....	29.84	
		Note: Additional cost for factory supplied.		
08 36 13 00-0172	EA	Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door.....	518.23	
		Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0173	EA	Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door.....	806.25	
		Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0174	EA	Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door.....	1,198.38	
		Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0175	SF	25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	1.49	
		Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0176	SF	50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	1.91	
		Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0177	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	2.53	
		Note: Additional cost for factory supplied/installed spring. Per SF of Door.		

**08 38 Traffic Doors (08 30)****08 38 13 Flexible Strip Doors (08 38)****08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Strip Doors (08 38 13)**

08 38 13 00-0002	SF	8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	21.45	6.30
		For Cooler/Freezer Doors, USDA Grade, Add	0.78	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	1.64	
08 38 13 00-0003	SF	8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	29.91	8.39
		For Cooler/Freezer Doors, USDA Grade, Add	1.10	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	2.32	
08 38 13 00-0004	SF	12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	19.29	5.24
		For Cooler/Freezer Doors, USDA Grade, Add	0.99	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	2.07	
08 38 13 00-0005	SF	12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	24.95	5.77
		For Cooler/Freezer Doors, USDA Grade, Add	1.24	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	2.60	
08 38 13 00-0006	SF	16" Smooth Strip, 0.160" Thick, 75% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	20.91	5.24
		For Cooler/Freezer Doors, USDA Grade, Add	1.25	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	2.63	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 38 13 00-0007</b>	<b>Clear Polyvinyl Chloride (PVC) Replacement Strips</b> <small>(08 38 13)</small>		
08 38 13 00-0008	EA 8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip ..... <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	73.26 2.50 5.25	29.58
08 38 13 00-0009	EA 8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip ..... <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	77.02 2.88 6.04	29.58
08 38 13 00-0010	EA 12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip ..... <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	125.03 6.53 13.70	36.60
08 38 13 00-0011	EA 12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip ..... <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	140.87 8.11 17.03	36.60
08 38 13 00-0012	EA 12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip ..... <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	157.24 9.75 20.47	36.60
08 38 13 00-0013	EA 16" Smooth Strip, 0.160" Thick, 15' Long, Replacement Strip ..... <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	243.54 16.88 35.45	37.33

**08 38 16 Flexible Traffic Doors** (08 38)

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

<b>08 38 16 00-0001</b>	<b>0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro)</b> <small>(08 38 16)</small>		
<b>08 38 16 00-0002</b>	<b>Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors</b> <small>(08 38 16 00-0001)</small>		
<b>08 38 16 00-0003</b>	<b>Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors</b> <small>(08 38 16 00-0002)</small>		
08 38 16 00-0004	EA 72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	2,587.96	104.87
08 38 16 00-0005	EA 72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	2,792.39	104.87
08 38 16 00-0006	EA 96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	5,756.58	120.59
08 38 16 00-0007	EA 96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	6,457.50	131.08
08 38 16 00-0008	EA 108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	9,995.34	131.08
08 38 16 00-0009	EA 108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	10,453.00	131.08
08 38 16 00-0010	EA 120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	11,641.17	157.30
<b>08 38 16 00-0011</b>	<b>Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors</b> <small>(08 38 16 00-0002)</small>		
08 38 16 00-0012	EA 72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	2,872.56	104.87
08 38 16 00-0013	EA 72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	3,100.21	104.87
08 38 16 00-0014	EA 96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	6,804.87	120.59
08 38 16 00-0015	EA 96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	7,501.14	131.08
08 38 16 00-0016	EA 108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	11,192.25	131.08
08 38 16 00-0017	EA 108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	11,657.79	131.08
08 38 16 00-0018	EA 120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	12,981.53	157.30
<b>08 38 16 00-0019</b>	<b>0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliaison FMP)</b> <small>(08 38 16)</small>		
	<small>Note: Includes pebble embossed finish and a 14" x 16" vinyl window.</small>		
<b>08 38 16 00-0020</b>	<b>Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> <small>(08 38 16 00-0019)</small>		
<b>08 38 16 00-0021</b>	<b>84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> <small>(08 38 16 00-0020)</small>		
08 38 16 00-0022	EA 24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	1,299.68	57.67
08 38 16 00-0023	EA 40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	1,399.44	57.67
<b>08 38 16 00-0024</b>	<b>96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> <small>(08 38 16 00-0020)</small>		
08 38 16 00-0025	EA 24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	1,399.44	57.67
08 38 16 00-0026	EA 40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	1,427.57	57.67
<b>08 38 16 00-0027</b>	<b>Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> <small>(08 38 16 00-0019)</small>		

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 16 00-0028			<b>84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> <small>(08 38 16 00-0027)</small>		
08 38 16 00-0029	EA		48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	2,567.87	99.62
08 38 16 00-0030	EA		80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	2,767.39	99.62
08 38 16 00-0031			<b>96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> <small>(08 38 16 00-0027)</small>		
08 38 16 00-0032	EA		48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	2,767.39	99.62
08 38 16 00-0033	EA		80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	2,823.67	99.62
<b>08 38 19</b>			<b>Rigid Traffic Doors</b> <small>(08 38)</small>		
			Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.		
08 38 19 00-0001			<b>0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3)</b> <small>(08 38 19)</small>		
			Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.		
08 38 19 00-0002			<b>Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> <small>(08 38 19 00-0001)</small>		
08 38 19 00-0003			<b>84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> <small>(08 38 19 00-0002)</small>		
08 38 19 00-0004	EA		24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door .....	647.40	57.67
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0005	EA		28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door .....	693.44	57.67
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0006	EA		30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door .....	716.59	60.30
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0007	EA		32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door .....	744.73	60.30
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0008	EA		36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door .....	778.13	62.92
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0009	EA		40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door .....	839.53	62.92
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0010	EA		42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door .....	873.13	70.79
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0011			<b>96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> <small>(08 38 19 00-0002)</small>		
08 38 19 00-0012	EA		24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door .....	726.70	57.67
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0013	EA		28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door .....	762.51	57.67
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0014	EA		30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door .....	788.21	60.30
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0015	EA		32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door .....	808.68	60.30
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0016	EA		36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door .....	883.01	62.92
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0017 EA 40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	898.36	62.92
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0018 EA 42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	929.41	70.79
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
<b>08 38 19 00-0019 Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0001)</b>		
<b>08 38 19 00-0020 84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0019)</b>		
08 38 19 00-0021 EA 48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,263.32	99.62
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0022 EA 56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,355.41	99.62
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0023 EA 60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,391.22	99.62
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0024 EA 64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,447.49	99.62
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0025 EA 72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,514.29	104.87
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0026 EA 80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,637.07	104.87
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0027 EA 84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,672.88	104.87
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
<b>08 38 19 00-0028 96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0019)</b>		
08 38 19 00-0029 EA 48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,421.92	99.62
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0030 EA 56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,493.54	99.62
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0031 EA 60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,534.46	99.62
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0032 EA 64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,575.39	99.62
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0033 EA 72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,724.04	104.87
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0034 EA 80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,754.74	104.87
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 38 19 00-0035	EA 84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,785.43	104.87
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
	For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0036	3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliaison P-11 Plus) <small>(08 38 19)</small>		
	Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		
08 38 19 00-0037	Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0036)</small>		
08 38 19 00-0038	84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0037)</small>		
08 38 19 00-0039	EA 24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,118.06	57.67
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0040	EA 28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,238.29	57.67
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0041	EA 30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,292.13	60.30
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0042	EA 32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,343.29	60.30
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0043	EA 36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,363.90	62.92
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0044	EA 40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,468.78	62.92
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0045	EA 42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,579.12	70.79
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0046	EA 44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,597.03	70.79
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0047	96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0037)</small>		
08 38 19 00-0048	EA 24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,220.38	57.67
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0049	EA 28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,345.72	57.67
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0050	EA 30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,399.56	60.30
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0051	EA 32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,463.51	60.30
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0052	EA 36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,514.82	62.92
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0053	EA 40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,617.14	62.92
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0054	EA 42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,673.77	70.79
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0055	EA 44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,737.71	70.79
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0056	Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0036)</small>		
08 38 19 00-0057	84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0056)</small>		
08 38 19 00-0058	EA 48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,204.64	99.62
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0059	EA 56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,445.09	99.62
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0060	EA 60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,542.29	99.62
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0061	EA 64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,644.61	99.62
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0062	EA 72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,685.83	104.87
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0063	EA 80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,895.58	104.87
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 38 19 00-0064	EA	84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,084.86		104.87
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0065	EA	88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,120.68		104.87
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0066	<b>96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0066)</small>				
08 38 19 00-0067	EA	48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,409.28		99.62
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0068	EA	56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,659.96		99.62
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0069	EA	60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,757.16		99.62
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0070	EA	64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,885.06		99.62
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0071	EA	72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,987.66		104.87
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0072	EA	80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,192.30		104.87
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0073	EA	84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,274.15		104.87
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0074	EA	88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,402.05		104.87
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0075	<b>3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2)</b> <small>(08 38 19)</small>				
	Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.				
08 38 19 00-0076	<b>Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b> <small>(08 38 19 00-0075)</small>				
08 38 19 00-0077	<b>84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b> <small>(08 38 19 00-0075)</small>				
08 38 19 00-0078	EA	24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,179.45		57.67
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0079	EA	28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,332.93		57.67
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0080	EA	30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,379.10		60.30
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0081	EA	32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,394.44		60.30
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0082	EA	36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,415.06		62.92
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0083	EA	40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,558.31		62.92
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0084	EA	42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,691.67		70.79
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0085	EA	44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,709.58		70.79
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0086	<b>96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b> <small>(08 38 19 00-0075)</small>				
08 38 19 00-0087	EA	24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,212.71		57.67
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0088	EA	28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,401.99		57.67
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0089	EA	30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,450.72		60.30
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0090	EA	32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,471.18		60.30
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		
08 38 19 00-0091	EA	36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,481.57		62.92
		<i>For Each 15" x 20" Window, Add</i>	6.00		
		<i>For Each 18" x 30" Window, Add</i>	19.00		

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 38 19 00-0092	EA 40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,586.44 6.00 19.00	62.92
08 38 19 00-0093	EA 42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,717.25 6.00 19.00	70.79
08 38 19 00-0094	EA 44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,737.71 6.00 19.00	70.79
08 38 19 00-0095	<b>Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b> (08 38 19 00-0075)		
08 38 19 00-0096	<b>84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b> (08 38 19 00-0095)		
08 38 19 00-0097	EA 48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,327.43 6.00 19.00	99.62
08 38 19 00-0098	EA 56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,634.38 6.00 19.00	99.62
08 38 19 00-0099	EA 60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,716.23 6.00 19.00	99.62
08 38 19 00-0100	EA 64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,746.93 6.00 19.00	99.62
08 38 19 00-0101	EA 72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,788.14 6.00 19.00	104.87
08 38 19 00-0102	EA 80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,074.63 6.00 19.00	104.87
08 38 19 00-0103	EA 84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,309.96 6.00 19.00	104.87
08 38 19 00-0104	EA 88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,345.77 6.00 19.00	104.87
08 38 19 00-0105	<b>96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b> (08 38 19 00-0095)		
08 38 19 00-0106	EA 48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,393.93 6.00 19.00	99.62
08 38 19 00-0107	EA 56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,772.51 6.00 19.00	99.62
08 38 19 00-0108	EA 60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,859.48 6.00 19.00	99.62
08 38 19 00-0109	EA 64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,900.40 6.00 19.00	99.62
08 38 19 00-0110	EA 72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,921.16 6.00 19.00	104.87
08 38 19 00-0111	EA 80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,130.91 6.00 19.00	104.87
08 38 19 00-0112	EA 84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,361.12 6.00 19.00	104.87
08 38 19 00-0113	EA 88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,402.05 6.00 19.00	104.87
08 38 19 00-0114	<b>1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliaison SCP-2)</b> (08 38 19) Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.		
08 38 19 00-0115	<b>Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors</b> (08 38 19 00-0114)		
08 38 19 00-0116	<b>84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors</b> (08 38 19 00-0115)		
08 38 19 00-0117	EA 24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,486.41 22.00 28.00 41.00	57.67
08 38 19 00-0118	EA 28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,621.98 22.00 28.00 41.00	57.67

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0119	EA		30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,663.03 22.00 28.00 41.00	60.30
08 38 19 00-0120	EA		32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,696.28 22.00 28.00 41.00	60.30
08 38 19 00-0121	EA		36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,757.83 22.00 28.00 41.00	62.92
08 38 19 00-0122	EA		40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,821.77 22.00 28.00 41.00	62.92
08 38 19 00-0123	EA		42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,888.63 22.00 28.00 41.00	70.79
08 38 19 00-0124	EA		44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,932.12 22.00 28.00 41.00	70.79
<b>08 38 19 00-0125 96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors</b> <small>(08 38 19 00-0115)</small>					
08 38 19 00-0126	EA		24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,601.51 22.00 28.00 41.00	57.67
08 38 19 00-0127	EA		28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,744.76 22.00 28.00 41.00	57.67
08 38 19 00-0128	EA		30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,788.37 22.00 28.00 41.00	60.30
08 38 19 00-0129	EA		32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,806.27 22.00 28.00 41.00	60.30
08 38 19 00-0130	EA		36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,862.70 22.00 28.00 41.00	62.92
08 38 19 00-0131	EA		40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,947.11 22.00 28.00 41.00	62.92
08 38 19 00-0132	EA		42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,003.74 22.00 28.00 41.00	70.79
08 38 19 00-0133	EA		44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,047.23 22.00 28.00 41.00	70.79
<b>08 38 19 00-0134 Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors</b> <small>(08 38 19 00-0114)</small>					
<b>08 38 19 00-0135 84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors</b> <small>(08 38 19 00-0134)</small>					
08 38 19 00-0136	EA		48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,941.33 22.00 28.00 41.00	99.62
08 38 19 00-0137	EA		56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,212.47 22.00 28.00 41.00	99.62
08 38 19 00-0138	EA		60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,284.10 22.00 28.00 41.00	99.62
08 38 19 00-0139	EA		64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,350.60 22.00 28.00 41.00	99.62
08 38 19 00-0140	EA		72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,473.67 22.00 28.00 41.00	104.87

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 38 19 00-0141	EA 80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,601.57 22.00 28.00 41.00	104.87
08 38 19 00-0142	EA 84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,703.89 22.00 28.00 41.00	104.87
08 38 19 00-0143	EA 88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,790.86 22.00 28.00 41.00	104.87
<b>08 38 19 00-0144</b>	<b>96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors</b> <small>(08 38 19 00-0134)</small>		
08 38 19 00-0145	EA 48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,171.55 22.00 28.00 41.00	99.62
08 38 19 00-0146	EA 56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,458.04 22.00 28.00 41.00	99.62
08 38 19 00-0147	EA 60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,534.77 22.00 28.00 41.00	99.62
08 38 19 00-0148	EA 64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,570.58 22.00 28.00 41.00	99.62
08 38 19 00-0149	EA 72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,683.42 22.00 28.00 41.00	104.87
08 38 19 00-0150	EA 80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,852.25 22.00 28.00 41.00	104.87
08 38 19 00-0151	EA 84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,934.10 22.00 28.00 41.00	104.87
08 38 19 00-0152	EA 88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,021.07 22.00 28.00 41.00	104.87
<b>08 38 19 00-0153</b>	<b>1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliaison HCP-10)</b> <small>(08 38 19 00-0154)</small> <small><sup>19)</sup> Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.</small>		
<b>08 38 19 00-0154</b>	<b>Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0153)</small>		
<b>08 38 19 00-0155</b>	<b>84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0154)</small>		
08 38 19 00-0156	EA 24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,460.83 6.00 19.00	57.67
08 38 19 00-0157	EA 28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,535.01 6.00 19.00	57.67
08 38 19 00-0158	EA 30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,606.75 6.00 19.00	60.30
08 38 19 00-0159	EA 32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,650.24 6.00 19.00	60.30
08 38 19 00-0160	EA 36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,762.94 6.00 19.00	62.92
08 38 19 00-0161	EA 40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,849.91 6.00 19.00	62.92
08 38 19 00-0162	EA 42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,934.68 6.00 19.00	70.79
08 38 19 00-0163	EA 44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,016.53 6.00 19.00	70.79
<b>08 38 19 00-0164</b>	<b>90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0154)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0165	EA		24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,511.99 6.00 19.00	57.67
08 38 19 00-0166	EA		28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,601.51 6.00 19.00	57.67
08 38 19 00-0167	EA		30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,650.24 6.00 19.00	60.30
08 38 19 00-0168	EA		32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,711.63 6.00 19.00	60.30
08 38 19 00-0169	EA		36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,832.01 6.00 19.00	62.92
08 38 19 00-0170	EA		40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,936.88 6.00 19.00	62.92
08 38 19 00-0171	EA		42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,016.53 6.00 19.00	70.79
08 38 19 00-0172	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,093.27 6.00 19.00	70.79
<b>08 38 19 00-0173</b>			<b>96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0154)</small>		
08 38 19 00-0174	EA		24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,642.44 6.00 19.00	57.67
08 38 19 00-0175	EA		28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,660.35 6.00 19.00	57.67
08 38 19 00-0176	EA		30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,739.77 6.00 19.00	60.30
08 38 19 00-0177	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,796.04 6.00 19.00	60.30
08 38 19 00-0178	EA		36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,918.98 6.00 19.00	62.92
08 38 19 00-0179	EA		40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,044.32 6.00 19.00	62.92
08 38 19 00-0180	EA		42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,118.85 6.00 19.00	70.79
08 38 19 00-0181	EA		44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,195.59 6.00 19.00	70.79
<b>08 38 19 00-0182</b>			<b>Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0153)</small>		
<b>08 38 19 00-0183</b>			<b>84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0182)</small>		
08 38 19 00-0184	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,890.17 6.00 19.00	99.62
08 38 19 00-0185	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,038.53 6.00 19.00	99.62
08 38 19 00-0186	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,171.55 6.00 19.00	99.62
08 38 19 00-0187	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,258.52 6.00 19.00	99.62
08 38 19 00-0188	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,483.90 6.00 19.00	104.87
08 38 19 00-0189	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,657.84 6.00 19.00	104.87
08 38 19 00-0190	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,795.97 6.00 19.00	104.87
08 38 19 00-0191	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,959.68 6.00 19.00	104.87
<b>08 38 19 00-0192</b>			<b>90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0182)</small>		

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0193	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,992.49 6.00 19.00	99.62
08 38 19 00-0194	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,171.55 6.00 19.00	99.62
08 38 19 00-0195	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,258.52 6.00 19.00	99.62
08 38 19 00-0196	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,381.30 6.00 19.00	99.62
08 38 19 00-0197	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,622.03 6.00 19.00	104.87
08 38 19 00-0198	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,831.78 6.00 19.00	104.87
08 38 19 00-0199	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,959.68 6.00 19.00	104.87
08 38 19 00-0200	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,113.16 6.00 19.00	104.87
<b>08 38 19 00-0201</b>			<b>96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0182)</small>		
08 38 19 00-0202	EA		48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,253.40 6.00 19.00	99.62
08 38 19 00-0203	EA		56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,289.21 6.00 19.00	99.62
08 38 19 00-0204	EA		60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,437.57 6.00 19.00	99.62
08 38 19 00-0205	EA		64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,550.12 6.00 19.00	99.62
08 38 19 00-0206	EA		72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,795.97 6.00 19.00	104.87
08 38 19 00-0207	EA		80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,046.65 6.00 19.00	104.87
08 38 19 00-0208	EA		84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,164.32 6.00 19.00	104.87
08 38 19 00-0209	EA		88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,317.79 6.00 19.00	104.87
<b>08 38 19 00-0210</b>			<b>1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10)</b> <small>(08 38 19 00-0210)</small>		
			Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.		
<b>08 38 19 00-0211</b>			<b>Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0210)</small>		
<b>08 38 19 00-0212</b>			<b>84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0211)</small>		
08 38 19 00-0213	EA		24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,460.83 6.00 19.00	57.67
08 38 19 00-0214	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,535.01 6.00 19.00	57.67
08 38 19 00-0215	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,606.75 6.00 19.00	60.30
08 38 19 00-0216	EA		32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,650.24 6.00 19.00	60.30
08 38 19 00-0217	EA		36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,762.94 6.00 19.00	62.92
08 38 19 00-0218	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,849.91 6.00 19.00	62.92
08 38 19 00-0219	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,934.68 6.00 19.00	70.79
08 38 19 00-0220	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,016.53 6.00 19.00	70.79

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 38 19 00-0221</b>	<b>90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0211)</small>		
08 38 19 00-0222	EA 24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,511.99	57.67
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0223	EA 28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,601.51	57.67
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0224	EA 30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,650.24	60.30
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0225	EA 32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,711.63	60.30
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0226	EA 36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,832.01	62.92
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0227	EA 40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,936.88	62.92
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0228	EA 42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,016.53	70.79
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0229	EA 44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,093.27	70.79
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	

<b>08 38 19 00-0230</b>	<b>96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0211)</small>		
08 38 19 00-0231	EA 24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,642.44	57.67
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0232	EA 28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,660.35	57.67
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0233	EA 30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,739.77	60.30
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0234	EA 32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,796.04	60.30
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0235	EA 36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,918.98	62.92
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0236	EA 40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,044.32	62.92
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0237	EA 42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,118.85	70.79
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0238	EA 44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,195.59	70.79
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	

**08 38 19 00-0239** Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0210)

<b>08 38 19 00-0240</b>	<b>84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0239)</small>		
08 38 19 00-0241	EA 48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,890.17	99.62
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0242	EA 56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,038.53	99.62
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0243	EA 60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,171.55	99.62
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0244	EA 64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,258.52	99.62
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0245	EA 72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,483.90	104.87
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0246	EA 80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,657.84	104.87
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0247	EA 84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,795.97	104.87
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0248	EA 88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,959.68	104.87
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0249			<b>90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0239)</small>		
08 38 19 00-0250	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	2,992.49	99.62
			<i>For Each 15" x 20" Window, Add</i> .....	6.00	
			<i>For Each 18" x 30" Window, Add</i> .....	19.00	
08 38 19 00-0251	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	3,171.55	99.62
			<i>For Each 15" x 20" Window, Add</i> .....	6.00	
			<i>For Each 18" x 30" Window, Add</i> .....	19.00	
08 38 19 00-0252	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	3,258.52	99.62
			<i>For Each 15" x 20" Window, Add</i> .....	6.00	
			<i>For Each 18" x 30" Window, Add</i> .....	19.00	
08 38 19 00-0253	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	3,381.30	99.62
			<i>For Each 15" x 20" Window, Add</i> .....	6.00	
			<i>For Each 18" x 30" Window, Add</i> .....	19.00	
08 38 19 00-0254	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	3,622.03	104.87
			<i>For Each 15" x 20" Window, Add</i> .....	6.00	
			<i>For Each 18" x 30" Window, Add</i> .....	19.00	
08 38 19 00-0255	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	3,831.78	104.87
			<i>For Each 15" x 20" Window, Add</i> .....	6.00	
			<i>For Each 18" x 30" Window, Add</i> .....	19.00	
08 38 19 00-0256	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	3,959.68	104.87
			<i>For Each 15" x 20" Window, Add</i> .....	6.00	
			<i>For Each 18" x 30" Window, Add</i> .....	19.00	
08 38 19 00-0257	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	4,113.16	104.87
			<i>For Each 15" x 20" Window, Add</i> .....	6.00	
			<i>For Each 18" x 30" Window, Add</i> .....	19.00	
08 38 19 00-0258			<b>96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0239)</small>		
08 38 19 00-0259	EA		48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	3,253.40	99.62
			<i>For Each 15" x 20" Window, Add</i> .....	6.00	
			<i>For Each 18" x 30" Window, Add</i> .....	19.00	
08 38 19 00-0260	EA		56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	3,289.21	99.62
			<i>For Each 15" x 20" Window, Add</i> .....	6.00	
			<i>For Each 18" x 30" Window, Add</i> .....	19.00	
08 38 19 00-0261	EA		60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	3,437.57	99.62
			<i>For Each 15" x 20" Window, Add</i> .....	6.00	
			<i>For Each 18" x 30" Window, Add</i> .....	19.00	
08 38 19 00-0262	EA		64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	3,550.12	99.62
			<i>For Each 15" x 20" Window, Add</i> .....	6.00	
			<i>For Each 18" x 30" Window, Add</i> .....	19.00	
08 38 19 00-0263	EA		72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	3,795.97	104.87
			<i>For Each 15" x 20" Window, Add</i> .....	6.00	
			<i>For Each 18" x 30" Window, Add</i> .....	19.00	
08 38 19 00-0264	EA		80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	4,046.65	104.87
			<i>For Each 15" x 20" Window, Add</i> .....	6.00	
			<i>For Each 18" x 30" Window, Add</i> .....	19.00	
08 38 19 00-0265	EA		84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	4,164.32	104.87
			<i>For Each 15" x 20" Window, Add</i> .....	6.00	
			<i>For Each 18" x 30" Window, Add</i> .....	19.00	
08 38 19 00-0266	EA		88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	4,317.79	104.87
			<i>For Each 15" x 20" Window, Add</i> .....	6.00	
			<i>For Each 18" x 30" Window, Add</i> .....	19.00	
08 38 19 00-0267			<b>Rigid Impact Traffic Door Accessories</b> <small>(08 38 19)</small>		
08 38 19 00-0268			<b>Bumper Strips For Impact Traffic Doors</b> <small>(08 38 19 00-0267)</small>		
			Note: Includes two bumpers per set.		
08 38 19 00-0269	SET		24" Wide, Bumper Strips For Impact Traffic Doors .....	136.59	41.95
08 38 19 00-0270	SET		30" Wide, Bumper Strips For Impact Traffic Doors .....	149.38	41.95
08 38 19 00-0271	SET		36" Wide, Bumper Strips For Impact Traffic Doors .....	159.62	41.95
08 38 19 00-0272	SET		48" Wide, Bumper Strips For Impact Traffic Doors .....	177.52	41.95
08 38 19 00-0273			<b>Easy Spring Bumpers For Impact Traffic Doors</b> <small>(08 38 19 00-0267)</small>		
			Note: Includes two bumpers per set.		
08 38 19 00-0274	SET		18" Height, Easy Spring Bumpers For Impact Traffic Doors .....	343.79	41.95
08 38 19 00-0275	SET		24" Height, Easy Spring Bumpers For Impact Traffic Doors .....	451.22	41.95
08 38 19 00-0276	SET		36" Height, Easy Spring Bumpers For Impact Traffic Doors .....	658.41	41.95
08 38 19 00-0277	SET		42" Height, Easy Spring Bumpers For Impact Traffic Doors .....	758.17	41.95
08 38 19 00-0278	SET		48" Height, Easy Spring Bumpers For Impact Traffic Doors .....	860.49	41.95
08 38 19 00-0279			<b>Scuff Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0267)</small>		
			Note: Includes two 0.090" thermoplastic plates per set.		
08 38 19 00-0280			<b>12" High, Scuff Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0279)</small>		
08 38 19 00-0281	SET		24" Wide x 12" High, Impact Traffic Door Scuff Plates .....	159.62	41.95
08 38 19 00-0282	SET		30" Wide x 12" High, Impact Traffic Door Scuff Plates .....	169.85	41.95
08 38 19 00-0283	SET		36" Wide x 12" High, Impact Traffic Door Scuff Plates .....	182.64	41.95
08 38 19 00-0284	SET		42" Wide x 12" High, Impact Traffic Door Scuff Plates .....	200.54	41.95
08 38 19 00-0285	SET		48" Wide x 12" High, Impact Traffic Door Scuff Plates .....	210.77	41.95
08 38 19 00-0286			<b>24" High, Scuff Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0279)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 38 19 00-0287	SET		24" Wide x 24" High, Impact Traffic Door Scuff Plates.....	210.77	41.95
08 38 19 00-0288	SET		30" Wide x 24" High, Impact Traffic Door Scuff Plates.....	256.82	41.95
08 38 19 00-0289	SET		36" Wide x 24" High, Impact Traffic Door Scuff Plates.....	282.40	41.95
08 38 19 00-0290	SET		42" Wide x 24" High, Impact Traffic Door Scuff Plates.....	318.21	41.95
08 38 19 00-0291	SET		48" Wide x 24" High, Impact Traffic Door Scuff Plates.....	341.23	41.95
<b>08 38 19 00-0292</b>			<b>30" High, Scuff Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0279)</small>		
08 38 19 00-0293	SET		24" Wide x 30" High, Impact Traffic Door Scuff Plates.....	256.82	41.95
08 38 19 00-0294	SET		30" Wide x 30" High, Impact Traffic Door Scuff Plates.....	297.74	41.95
08 38 19 00-0295	SET		36" Wide x 30" High, Impact Traffic Door Scuff Plates.....	328.44	41.95
08 38 19 00-0296	SET		42" Wide x 30" High, Impact Traffic Door Scuff Plates.....	384.71	41.95
08 38 19 00-0297	SET		48" Wide x 30" High, Impact Traffic Door Scuff Plates.....	423.08	41.95
<b>08 38 19 00-0298</b>			<b>36" High, Scuff Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0279)</small>		
08 38 19 00-0299	SET		24" Wide x 36" High, Impact Traffic Door Scuff Plates.....	282.40	41.95
08 38 19 00-0300	SET		30" Wide x 36" High, Impact Traffic Door Scuff Plates.....	328.44	41.95
08 38 19 00-0301	SET		36" Wide x 36" High, Impact Traffic Door Scuff Plates.....	379.60	41.95
08 38 19 00-0302	SET		42" Wide x 36" High, Impact Traffic Door Scuff Plates.....	407.74	41.95
08 38 19 00-0303	SET		48" Wide x 36" High, Impact Traffic Door Scuff Plates.....	451.22	41.95
<b>08 38 19 00-0304</b>			<b>48" High, Scuff Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0279)</small>		
08 38 19 00-0305	SET		24" Wide x 48" High, Impact Traffic Door Scuff Plates.....	341.23	41.95
08 38 19 00-0306	SET		30" Wide x 48" High, Impact Traffic Door Scuff Plates.....	423.08	41.95
08 38 19 00-0307	SET		36" Wide x 48" High, Impact Traffic Door Scuff Plates.....	451.22	41.95
08 38 19 00-0308	SET		42" Wide x 48" High, Impact Traffic Door Scuff Plates.....	504.94	41.95
08 38 19 00-0309	SET		48" Wide x 48" High, Impact Traffic Door Scuff Plates.....	563.77	41.95
<b>08 38 19 00-0310</b>			<b>Base Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0267)</small>		
			Note: Includes two base plates per set.		
<b>08 38 19 00-0311</b>			<b>Galvanized, 18 Gauge Base Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0310)</small>		
<b>08 38 19 00-0312</b>			<b>12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0311)</small>		
08 38 19 00-0313	SET		24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	154.50	41.95
08 38 19 00-0314	SET		30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	164.73	41.95
08 38 19 00-0315	SET		36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	169.85	41.95
08 38 19 00-0316	SET		42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	192.87	41.95
08 38 19 00-0317	SET		48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	203.10	41.95
<b>08 38 19 00-0318</b>			<b>24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0311)</small>		
08 38 19 00-0319	SET		24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	192.87	41.95
08 38 19 00-0320	SET		30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	208.22	41.95
08 38 19 00-0321	SET		36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	223.56	41.95
08 38 19 00-0322	SET		42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	236.35	41.95
08 38 19 00-0323	SET		48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	256.82	41.95
<b>08 38 19 00-0324</b>			<b>30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0311)</small>		
08 38 19 00-0325	SET		24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	218.45	41.95
08 38 19 00-0326	SET		30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	231.24	41.95
08 38 19 00-0327	SET		36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	261.93	41.95
08 38 19 00-0328	SET		42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	295.19	41.95
08 38 19 00-0329	SET		48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	310.53	41.95
<b>08 38 19 00-0330</b>			<b>36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0311)</small>		
08 38 19 00-0331	SET		24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	231.24	41.95
08 38 19 00-0332	SET		30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	256.82	41.95
08 38 19 00-0333	SET		36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	295.19	41.95
08 38 19 00-0334	SET		42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	325.88	41.95
08 38 19 00-0335	SET		48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	343.79	41.95
<b>08 38 19 00-0336</b>			<b>48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0311)</small>		
08 38 19 00-0337	SET		24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	290.07	41.95
08 38 19 00-0338	SET		30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	325.88	41.95
08 38 19 00-0339	SET		36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	374.48	41.95
08 38 19 00-0340	SET		42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	397.50	41.95
08 38 19 00-0341	SET		48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	428.20	41.95
<b>08 38 19 00-0342</b>			<b>Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0310)</small>		
<b>08 38 19 00-0343</b>			<b>12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0342)</small>		
08 38 19 00-0344	SET		24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	200.54	41.95
08 38 19 00-0345	SET		30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	210.77	41.95
08 38 19 00-0346	SET		36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	241.47	41.95

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0347	SET		42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	256.82	41.95
08 38 19 00-0348	SET		48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	300.30	41.95
<b>08 38 19 00-0349</b>			<b>24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <sup>(08)</sup></b>		
			<sup>38 19 00-0342)</sup>		
08 38 19 00-0350	SET		24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	272.16	41.95
08 38 19 00-0351	SET		30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	318.21	41.95
08 38 19 00-0352	SET		36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	364.25	41.95
08 38 19 00-0353	SET		42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	420.53	41.95
08 38 19 00-0354	SET		48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	471.68	41.95
<b>08 38 19 00-0355</b>			<b>30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <sup>(08)</sup></b>		
			<sup>38 19 00-0342)</sup>		
08 38 19 00-0356	SET		24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	307.98	41.95
08 38 19 00-0357	SET		30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	369.37	41.95
08 38 19 00-0358	SET		36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	425.64	41.95
08 38 19 00-0359	SET		42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	484.47	41.95
08 38 19 00-0360	SET		48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	553.54	41.95
<b>08 38 19 00-0361</b>			<b>36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <sup>(08)</sup></b>		
			<sup>38 19 00-0342)</sup>		
08 38 19 00-0362	SET		24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	354.02	41.95
08 38 19 00-0363	SET		30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	420.53	41.95
08 38 19 00-0364	SET		36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	497.26	41.95
08 38 19 00-0365	SET		42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	571.44	41.95
08 38 19 00-0366	SET		48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	635.39	41.95
<b>08 38 19 00-0367</b>			<b>48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <sup>(08)</sup></b>		
			<sup>38 19 00-0342)</sup>		
08 38 19 00-0368	SET		24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	435.87	41.95
08 38 19 00-0369	SET		30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	594.47	41.95
08 38 19 00-0370	SET		36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	635.39	41.95
08 38 19 00-0371	SET		42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	758.17	41.95
08 38 19 00-0372	SET		48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	829.80	41.95
<b>08 38 19 00-0373</b>			<b>One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <sup>(08 38 19 00-0310)</sup></b>		
<b>08 38 19 00-0374</b>			<b>12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <sup>(08 38 19 00-0373)</sup></b>		
08 38 19 00-0375	SET		24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	180.08	41.95
08 38 19 00-0376	SET		30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	192.87	41.95
08 38 19 00-0377	SET		36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	208.22	41.95
08 38 19 00-0378	SET		42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	226.12	41.95
08 38 19 00-0379	SET		48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	254.26	41.95
<b>08 38 19 00-0380</b>			<b>24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <sup>(08 38 19 00-0373)</sup></b>		
08 38 19 00-0381	SET		24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	236.35	41.95
08 38 19 00-0382	SET		30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	267.05	41.95
08 38 19 00-0383	SET		36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	297.74	41.95
08 38 19 00-0384	SET		42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	331.00	41.95
08 38 19 00-0385	SET		48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	369.37	41.95
<b>08 38 19 00-0386</b>			<b>30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <sup>(08 38 19 00-0373)</sup></b>		
08 38 19 00-0387	SET		24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	267.05	41.95
08 38 19 00-0388	SET		30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	305.42	41.95
08 38 19 00-0389	SET		36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	348.90	41.95
08 38 19 00-0390	SET		42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	402.62	41.95
08 38 19 00-0391	SET		48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	438.43	41.95
<b>08 38 19 00-0392</b>			<b>36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <sup>(08 38 19 00-0373)</sup></b>		
08 38 19 00-0393	SET		24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	297.74	41.95
08 38 19 00-0394	SET		30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	348.90	41.95
08 38 19 00-0395	SET		36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	402.62	41.95
08 38 19 00-0396	SET		42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	456.34	41.95
08 38 19 00-0397	SET		48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	494.71	41.95
<b>08 38 19 00-0398</b>			<b>48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <sup>(08 38 19 00-0373)</sup></b>		
08 38 19 00-0399	SET		24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	369.37	41.95
08 38 19 00-0400	SET		30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	448.66	41.95
08 38 19 00-0401	SET		36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	494.71	41.95

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 38 19 00-0402	SET			42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	586.79	41.95
08 38 19 00-0403	SET			48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	612.37	41.95
<b>08 38 19 00-0404 Jamb Guards For Impact Traffic Doors (08 38 19 00-0267)</b>						
08 38 19 00-0405	EA			3" x 9", Jamb Guard For Impact Traffic Doors .....	244.28	52.43
08 38 19 00-0406	EA			5" x 18", Jamb Guard For Impact Traffic Doors .....	321.01	52.43
08 38 19 00-0407	EA			5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors.....	602.39	52.43
<b>08 38 19 00-0408 Other Impact Traffic Door Accessories (08 38 19 00-0267)</b>						
08 38 19 00-0409	EA			Push Plate For Impact Traffic Doors .....	67.14	26.21
08 38 19 00-0410	EA			Pull Handle For Impact Traffic Doors .....	85.04	26.21
08 38 19 00-0411	EA			Deadbolt Lock For Impact Traffic Doors.....	195.03	26.21
08 38 19 00-0412	PR			Lock Hole Reinforcements For Impact Traffic Doors .....	241.08	26.21
08 38 19 00-0413	PR			Padlock Brackets For Impact Traffic Doors.....	102.95	26.21
<b>08 38 19 00-0414 Impact Traffic Door Knock Down Frames (08 38 19)</b>						
Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.						
<b>08 38 19 00-0415 Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)</b>						
<b>08 38 19 00-0416 84" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)</b>						
08 38 19 00-0417	EA			24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	614.17	78.65
08 38 19 00-0418	EA			28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	716.92	86.51
08 38 19 00-0419	EA			30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	736.10	91.76
08 38 19 00-0420	EA			32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	759.44	99.62
08 38 19 00-0421	EA			36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	779.73	104.87
08 38 19 00-0422	EA			40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	813.66	110.11
08 38 19 00-0423	EA			42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	839.86	115.36
08 38 19 00-0424	EA			44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	858.94	120.59
<b>08 38 19 00-0425 90" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)</b>						
08 38 19 00-0426	EA			24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	625.58	78.65
08 38 19 00-0427	EA			28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	730.51	86.51
08 38 19 00-0428	EA			30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	749.92	91.76
08 38 19 00-0429	EA			32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	773.44	99.62
08 38 19 00-0430	EA			36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	793.97	104.87
08 38 19 00-0431	EA			40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	828.50	110.11
08 38 19 00-0432	EA			42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	855.08	115.36
08 38 19 00-0433	EA			44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	874.39	120.59
<b>08 38 19 00-0434 96" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)</b>						
08 38 19 00-0435	EA			24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	640.75	78.65
08 38 19 00-0436	EA			28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	748.57	86.51
08 38 19 00-0437	EA			30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	768.27	91.76
08 38 19 00-0438	EA			32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	787.55	99.62
08 38 19 00-0439	EA			36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	812.90	104.87
08 38 19 00-0440	EA			40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	843.33	110.11
08 38 19 00-0441	EA			42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	875.31	115.36
08 38 19 00-0442	EA			44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	896.03	117.97
<b>08 38 19 00-0443 Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)</b>						
<b>08 38 19 00-0444 84" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)</b>						
08 38 19 00-0445	EA			48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	872.12	120.59
08 38 19 00-0446	EA			56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	887.77	122.70
08 38 19 00-0447	EA			60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	904.35	125.84
08 38 19 00-0448	EA			64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	929.54	131.08
08 38 19 00-0449	EA			72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	947.06	136.33
08 38 19 00-0450	EA			80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	975.75	137.38
08 38 19 00-0451	EA			84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	995.82	138.95
08 38 19 00-0452	EA			88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,020.68	141.57
<b>08 38 19 00-0453 90" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)</b>						
08 38 19 00-0454	EA			48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	887.87	120.59
08 38 19 00-0455	EA			56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	903.76	122.70
08 38 19 00-0456	EA			60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	920.67	125.84
08 38 19 00-0457	EA			64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	946.21	131.08
08 38 19 00-0458	EA			72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	963.94	136.33
08 38 19 00-0459	EA			80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	993.28	137.38
08 38 19 00-0460	EA			84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,013.77	138.95
08 38 19 00-0461	EA			88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,039.12	141.57
<b>08 38 19 00-0462 96" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)</b>						
08 38 19 00-0463	EA			48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	906.26	120.59
08 38 19 00-0464	EA			56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	919.72	122.70
08 38 19 00-0465	EA			60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	942.33	125.84
08 38 19 00-0466	EA			64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	962.89	131.08

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 38 19 00-0467	EA	72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	986.33	136.33
08 38 19 00-0468	EA	80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,019.11	137.38
08 38 19 00-0469	EA	84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,037.61	138.95
08 38 19 00-0470	EA	88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,061.90	141.57

**08 40 Entrances, Storefronts, and Curtain Walls** (08)**08 42 Entrances** (08 40)**08 42 13 Aluminum-Framed Entrances** (08 42)**08 42 13 00-0001 Aluminum Framed Entrance Doors** (08 42 13)

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. See CSI section 08 71 11 00-2122 for exit device, 08 71 11 00-2274 for closer.

08 42 13 00-0002	EA	3' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors .....	4,762.59	634.78
		Note: Including Glazing, Trim And Hardware		
		For 8' High Door, Add	438.25	
		For 10' High Door, Add	952.73	
		For 1" Insulated Glazing, Add	66.07	
08 42 13 00-0003	EA	3'-6" x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors .....	4,787.28	634.78
		Note: Including Glazing, Trim And Hardware		
		For 8' High Door, Add	441.09	
		For 10' High Door, Add	958.90	
		For 1" Insulated Glazing, Add	66.07	
08 42 13 00-0004	PR	6' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors .....	8,027.76	951.97
		Note: Including Glazing, Trim And Hardware		
		For 8' High Door, Add	759.35	
		For 10' High Door, Add	1,650.77	
		For 1" Insulated Glazing, Add	132.14	
08 42 13 00-0005	PR	7' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors .....	9,242.72	951.97
		Note: Including Glazing, Trim And Hardware		
		For 8' High Door, Add	899.07	
		For 10' High Door, Add	1,954.51	
		For 1" Insulated Glazing, Add	132.14	
08 42 13 00-0006	EA	3' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors .....	5,281.16	634.78
		Note: Including Glazing, Trim And Hardware		
		For 8' High Door, Add	497.89	
		For 10' High Door, Add	1,082.37	
		For 1" Insulated Glazing, Add	66.07	
08 42 13 00-0007	EA	3'-6" x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors .....	5,337.96	634.78
		Note: Including Glazing, Trim And Hardware		
		For 8' High Door, Add	504.42	
		For 10' High Door, Add	1,096.57	
		For 1" Insulated Glazing, Add	66.07	
08 42 13 00-0008	PR	6' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors .....	9,008.12	951.97
		Note: Including Glazing, Trim And Hardware		
		For 8' High Door, Add	872.10	
		For 10' High Door, Add	1,895.86	
		For 1" Insulated Glazing, Add	132.14	
08 42 13 00-0009	PR	7' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors .....	10,194.46	951.97
		Note: Including Glazing, Trim And Hardware		
		For 8' High Door, Add	1,008.52	
		For 10' High Door, Add	2,192.45	
		For 1" Insulated Glazing, Add	132.14	

**08 42 26 All-Glass Entrances** (08 42)**08 42 26 00-0001 Full Glass Entrance Doors** (08 42 26)

Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.

08 42 26 00-0002	EA	3' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door .....	4,198.89	237.92
		Note: Including Trim And Hardware		
		For Anodized Color, Add	584.50	
		For Stainless Steel, Add	2,110.68	
		For 8' High Door, Add	373.43	
		For 10' High Door, Add	811.80	
		For 1" Insulated Glazing, Add	66.07	
08 42 26 00-0003	PR	6' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1/2") .....	7,490.66	285.51
		Note: Including Trim And Hardware		
		For Anodized Color, Add	1,103.60	
		For Stainless Steel, Add	3,985.22	
		For 8' High Door, Add	705.08	
		For 10' High Door, Add	1,532.78	
		For 1" Insulated Glazing, Add	132.14	
08 42 26 00-0004	EA	3' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door .....	4,783.88	237.92
		Note: Including Trim And Hardware		
		For Anodized Color, Add	689.79	
		For Stainless Steel, Add	2,490.92	
		For 8' High Door, Add	440.70	
		For 10' High Door, Add	958.05	
		For 1" Insulated Glazing, Add	66.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 42 26 00-0005	PR		6' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 5/8").....	8,750.21	285.51
			Note: Including Trim And Hardware		
			For Anodized Color, Add	1,330.32	
			For Stainless Steel, Add	4,803.93	
			For 8' High Door, Add	849.93	
			For 10' High Door, Add	1,847.67	
			For 1" Insulated Glazing, Add	132.14	
08 42 26 00-0006	EA		3' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door.....	5,366.59	237.92
			Note: Including Trim And Hardware		
			For Anodized Color, Add	794.68	
			For Stainless Steel, Add	2,869.69	
			For 8' High Door, Add	507.71	
			For 10' High Door, Add	1,103.73	
			For 1" Insulated Glazing, Add	66.07	
08 42 26 00-0007	PR		6' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 3/4").....	10,007.69	285.51
			Note: Including Trim And Hardware		
			For Anodized Color, Add	1,556.67	
			For Stainless Steel, Add	5,621.29	
			For 8' High Door, Add	994.54	
			For 10' High Door, Add	2,162.04	
			For 1" Insulated Glazing, Add	132.14	
08 42 26 00-0008	EA		3' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door.....	6,534.27	237.92
			Note: Including Trim And Hardware		
			For Anodized Color, Add	1,004.86	
			For Stainless Steel, Add	3,628.68	
			For 8' High Door, Add	642.00	
			For 10' High Door, Add	1,395.65	
			For 1" Insulated Glazing, Add	66.07	
08 42 26 00-0009	PR		6' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1").....	12,524.71	285.51
			Note: Including Trim And Hardware		
			For Anodized Color, Add	2,009.73	
			For Stainless Steel, Add	7,257.35	
			For 8' High Door, Add	1,283.99	
			For 10' High Door, Add	2,791.29	
			For 1" Insulated Glazing, Add	132.14	

**08 42 26 00-0010 Frames For Full Glass Doors (08 42 26)**

08 42 26 00-0011	LF		Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head.....	22.74	2.85
08 42 26 00-0012	LF		Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head .....	29.48	3.80

**08 42 29 Automatic Entrances (08 42)**

**08 42 29 23 Sliding Automatic Entrances (08 42 29)**

Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can break-out in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

**08 42 29 23-0001 Bronze Finished Framed Sliding Automatic Entrances (08 42 29 23)**

**08 42 29 23-0002 2 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001)**

Note: Single sliding.

08 42 29 23-0003	EA		5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	1,931.70	95.17
			For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	130.60	
			For Emergency Egress On All Panels, Add	348.27	
08 42 29 23-0004	EA		6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,154.16	128.48
			For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	142.29	
			For Emergency Egress On All Panels, Add	379.44	
08 42 29 23-0005	EA		7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,344.33	142.76
			For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	154.41	
			For Emergency Egress On All Panels, Add	411.76	
08 42 29 23-0006	EA		8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,529.29	157.03
			For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	166.14	
			For Emergency Egress On All Panels, Add	443.05	
08 42 29 23-0007	EA		10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	3,318.06	190.34
			For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	220.30	
			For Emergency Egress On All Panels, Add	587.48	
08 42 29 23-0008	EA		12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	3,454.02	223.65
			For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	225.50	
			For Emergency Egress On All Panels, Add	601.34	
08 42 29 23-0009	EA		15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	4,603.62	256.96
			For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	306.73	
			For Emergency Egress On All Panels, Add	817.94	

**08 42 29 23-0010 4 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001)**

Note: Bi-parting.

08 42 29 23-0011	EA		12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	3,883.75	237.92
			For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	255.59	
			For Emergency Egress On All Panels, Add	681.58	
08 42 29 23-0012	EA		14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	4,258.61	261.71
			For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	280.14	
			For Emergency Egress On All Panels, Add	747.04	
08 42 29 23-0013	EA		16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	4,633.47	285.51
			For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	304.68	
			For Emergency Egress On All Panels, Add	812.49	
08 42 29 23-0014	EA		18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	5,590.56	309.30
			For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	372.90	
			For Emergency Egress On All Panels, Add	994.39	

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0015	EA		20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	6,547.67 441.11 1,176.30	332.99
<b>08 42 29 23-0016</b>			<b>Aluminum Finished Framed Sliding Automatic Entrances (08 42 29 23)</b>		
<b>08 42 29 23-0017</b>			<b>2 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0016)</b> Note: Single sliding.		
08 42 29 23-0018	EA		5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	1,767.64 118.30 315.46	95.17
08 42 29 23-0019	EA		6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	1,975.44 128.89 343.70	128.48
08 42 29 23-0020	EA		7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	2,147.36 139.64 372.37	142.76
08 42 29 23-0021	EA		8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	2,320.59 150.49 401.31	157.03
08 42 29 23-0022	EA		9'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	2,680.96 175.02 466.72	173.69
08 42 29 23-0023	EA		10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,041.35 199.55 532.13	190.34
08 42 29 23-0024	EA		12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,170.76 204.26 544.69	223.65
08 42 29 23-0025	EA		15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	4,218.38 277.84 740.89	256.96
<b>08 42 29 23-0026</b>			<b>4 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0016)</b> Note: Bi-parting.		
08 42 29 23-0027	EA		10'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,384.57 219.94 586.50	226.03
08 42 29 23-0028	EA		12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,562.72 231.52 617.37	237.92
08 42 29 23-0029	EA		14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,906.73 253.75 676.66	261.71
08 42 29 23-0030	EA		16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	4,250.74 275.98 735.95	285.51
08 42 29 23-0031	EA		18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	5,122.17 337.77 900.72	309.30
08 42 29 23-0032	EA		20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	5,993.62 399.56 1,065.49	332.99
<b>08 42 29 23-0033</b>			<b>Stainless Steel Framed Sliding Automatic Entrances (08 42 29 23)</b>		
<b>08 42 29 23-0034</b>			<b>2 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0033)</b> Note: Single sliding.		
08 42 29 23-0035	EA		5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	2,208.97 151.40 403.73	95.17
08 42 29 23-0036	EA		6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	2,456.27 164.95 439.86	128.48
08 42 29 23-0037	EA		7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	2,853.48 192.60 513.59	142.76
08 42 29 23-0038	EA		8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,273.06 221.93 591.80	157.03
08 42 29 23-0039	EA		10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,785.81 255.38 681.03	190.34
08 42 29 23-0040	EA		12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,932.78 261.41 697.10	223.65
08 42 29 23-0041	EA		15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	5,254.89 355.57 948.20	256.96
<b>08 42 29 23-0042</b>			<b>4 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0033)</b> Note: Bi-parting.		
08 42 29 23-0043	EA		12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	4,426.42 296.29 790.11	237.92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0044 EA 14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,853.38 324.75 865.99	261.71
08 42 29 23-0045 EA 16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,280.33 353.20 941.86	285.51
08 42 29 23-0046 EA 18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	6,382.27 432.28 1,152.74	309.30
08 42 29 23-0047 EA 20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance ..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	7,484.24 511.35 1,363.61	333.09
<b>08 42 29 23-0048 Accessories For Sliding Automatic Entrances (08 42 29 23)</b> See CSI section 08 42 29 33-0006 for eye operators.		
08 42 29 23-0049 EA Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls ..... Note: Includes motor for pair of sliding doors (2 panels).	5,127.94	1,048.69
08 42 29 23-0050 EA Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls ..... Note: Includes motor for pair of sliding doors (4 panel).	8,522.86	1,573.03
<b>08 42 29 23-0051 Automatic Sliding Door System (08 42 29 23)</b>		
08 42 29 23-0052 SF Entrance Technology Automatic Sliding Door System, #2000 .....	107.27	10.49
08 42 29 23-0053 SF Entrance Technology Automatic Sliding Door System, #2010 .....	112.67	10.49
08 42 29 23-0054 SF Entrance Technology Automatic Sliding Door System, #2020 .....	118.06	10.49
08 42 29 23-0055 SF Entrance Technology Automatic Sliding Door System, #2030 .....	128.85	10.49
<b>08 42 29 33 Swinging Automatic Entrances (08 42 29)</b> Note: Excludes glazing.		
<b>08 42 29 33-0001 Swing Door Operators, Up To 350 LB Panel Weight (08 42 29 33)</b> Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.		
08 42 29 33-0002 EA Concealed Single Door Swing Door Operator, Up To 350 LB Panel ..... Note: For new storefront or existing concealed operator installations.	3,244.01	481.31
08 42 29 33-0003 EA Concealed Pair Of Doors Swing Door Operator, Up To 350 LB Panel ..... Note: For new storefront or existing concealed operator installations.	5,525.98	641.78
08 42 29 33-0004 EA Exposed Single Door Swing Door Operator, Up To 350 LB Panel.....	2,693.21	385.04
08 42 29 33-0005 EA Exposed Pair Of Doors Swing Door Operator, Up To 350 LB Panel.....	4,808.34	577.57
<b>08 42 29 33-0006 Activation Devices For Door Operators (08 42 29 33)</b>		
08 42 29 33-0007 EA Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97)..... Note: Includes wiring harness and relays.	418.23	38.51
08 42 29 33-0008 EA On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS) ..... Note: Includes wiring harness and relays.	369.86	38.51
08 42 29 33-0009 EA Microwave Motion Sensor For Door Operator (MS Sedco D38) ..... Note: Includes wiring harness and relays.	373.71	38.51
08 42 29 33-0010 EA 4" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59-H) ..... Note: Excludes wiring from operator to push plate.	149.63	38.51
08 42 29 33-0011 EA 1-1/2" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59J-H) ..... Note: Excludes wiring from operator to push button.	160.18	38.51
08 42 29 33-0012 EA 1-11/16" x 4-1/2", Jamb Mounted Push Button For Door Operator (MS Sedco 425) ..... Note: Excludes wiring from operator to push button.	119.49	38.51
08 42 29 33-0013 EA Radio Control System For Door Operator (MS Sedco Clearpath)..... Note: Includes receiver and two push plate transmitters.	613.68	96.26
08 42 29 33-0014 EA Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision)..... Note: Includes wiring harness and relays.	913.38	48.13
08 42 29 33-0015 EA Guard Rail For Door With Operator .....	194.36	48.13
<b>08 42 33 Revolving Door Entrances (08 42)</b>		
<b>08 42 33 00-0001 Aluminum Revolving Doors (08 42 33)</b> Note: Includes 3/4" tempered glass.		
08 42 33 00-0002 EA 4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware ..... <i>For Automatic Controls, Add</i> <i>For Powder Coated, Add</i>	34,685.74 7,899.76 1,353.51	5,544.96
08 42 33 00-0003 EA 5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware ..... <i>For Automatic Controls, Add</i> <i>For Powder Coated, Add</i>	46,960.54 9,424.64 1,700.84	8,317.57
08 42 33 00-0004 EA 6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware ..... <i>For Automatic Controls, Add</i> <i>For Powder Coated, Add</i>	71,226.36 10,339.57 3,007.80	9,981.04
08 42 33 00-0005 EA 4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware ..... <i>For Automatic Controls, Add</i> <i>For Powder Coated, Add</i>	38,596.79 8,210.96 1,515.78	6,099.41
08 42 33 00-0006 EA 5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware ..... <i>For Automatic Controls, Add</i> <i>For Powder Coated, Add</i>	51,988.01 9,840.52 1,904.75	9,149.61
08 42 33 00-0007 EA 6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware ..... <i>For Automatic Controls, Add</i> <i>For Powder Coated, Add</i>	79,546.63 10,949.52 3,368.40	10,979.14

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 33 00-0008			<b>Stainless Steel Revolving Doors</b> <small>(08 42 33)</small>		
			Note: Includes 3/4" tempered glass.		
08 42 33 00-0009	EA		4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware .....	35,582.97	5,544.96
			<i>For Automatic Controls, Add</i>	7,899.76	
08 42 33 00-0010	EA		5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware .....	48,088.01	8,317.57
			<i>For Automatic Controls, Add</i>	9,424.64	
08 42 33 00-0011	EA		6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware .....	73,220.20	9,981.04
			<i>For Automatic Controls, Add</i>	10,339.57	
08 42 33 00-0012	EA		4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware .....	39,603.98	6,099.41
			<i>For Automatic Controls, Add</i>	8,210.96	
08 42 33 00-0013	EA		5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware .....	53,253.66	9,149.61
			<i>For Automatic Controls, Add</i>	9,840.52	
08 42 33 00-0014	EA		6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware .....	81,784.83	10,979.14
			<i>For Automatic Controls, Add</i>	10,949.52	
08 42 33 00-0015			<b>Bronze Revolving Doors</b> <small>(08 42 33)</small>		
			Note: Includes 3/4" tempered glass.		
08 42 33 00-0016	EA		4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware .....	32,418.78	5,544.96
			<i>For Automatic Controls, Add</i>	7,899.76	
08 42 33 00-0017	EA		5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware .....	44,111.85	8,317.57
			<i>For Automatic Controls, Add</i>	9,424.64	
08 42 33 00-0018	EA		6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware .....	66,188.67	9,981.04
			<i>For Automatic Controls, Add</i>	10,339.57	
08 42 33 00-0019	EA		4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware .....	36,060.09	6,099.41
			<i>For Automatic Controls, Add</i>	8,210.96	
08 42 33 00-0020	EA		5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware .....	48,800.36	9,149.61
			<i>For Automatic Controls, Add</i>	9,840.52	
08 42 33 00-0021	EA		6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware .....	73,909.52	10,979.14
			<i>For Automatic Controls, Add</i>	10,949.52	
08 42 36			<b>Balanced Door Entrances</b> <small>(08 42)</small>		
08 42 36 00-0001			<b>Balanced Doors, With Glass</b> <small>(08 42 36)</small>		
			Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.		
08 42 36 00-0002	EA		2'-6" x 7'-0" Balanced Door, Stainless Steel .....	14,928.85	292.63
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-3,549.26	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	1,419.70	
			<i>For Tinted Glass, Add</i>	709.85	
			<i>For Aluminum, Painted Finish, Deduct</i>	-4,259.11	
08 42 36 00-0003	EA		3'-0" x 7'-0" Balanced Door, Stainless Steel .....	15,505.40	292.63
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-3,693.40	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	1,477.36	
			<i>For Tinted Glass, Add</i>	738.68	
			<i>For Aluminum, Painted Finish, Deduct</i>	-4,432.08	
08 42 36 00-0004	EA		3'-6" x 7'-0" Balanced Door, Stainless Steel .....	16,905.67	292.63
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-4,043.47	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	1,617.39	
			<i>For Tinted Glass, Add</i>	808.69	
			<i>For Aluminum, Painted Finish, Deduct</i>	-4,852.16	
08 42 36 00-0005	EA		4'-0" x 7'-0" Balanced Door, Stainless Steel .....	18,553.09	292.63
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-4,455.32	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	1,782.13	
			<i>For Tinted Glass, Add</i>	891.06	
			<i>For Aluminum, Painted Finish, Deduct</i>	-5,346.38	
08 42 36 00-0006	PR		Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel .....	30,937.65	556.18
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-7,386.80	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	2,954.72	
			<i>For Tinted Glass, Add</i>	1,477.36	
			<i>For Aluminum, Painted Finish, Deduct</i>	-8,864.16	
08 43			<b>Storefronts</b> <small>(08 40)</small>		
08 43 13			<b>Aluminum-Framed Storefronts</b> <small>(08 43)</small>		
08 43 13 00-0001			<b>Aluminum Storefront Framing Assembly</b> <small>(08 43 13)</small>		
			Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 23-0012 for tempered glazing, 08 81 23 23-0045 for laminated glazing, 08 81 23 23-0051 for insulated glazing.		
08 43 13 00-0002			<b>1-3/4" x 4-1/2" Frame, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small>		
			Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0003	SF		5' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	21.46	6.99
			<i>For Various Color Class I Anodized Finish, Add</i>	0.65	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.96	
08 43 13 00-0004	SF		6' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	19.29	6.29
			<i>For Various Color Class I Anodized Finish, Add</i>	0.59	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.76	
08 43 13 00-0005	SF		7' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	17.73	5.80
			<i>For Various Color Class I Anodized Finish, Add</i>	0.54	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.61	
08 43 13 00-0006	SF		8' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	16.57	5.43
			<i>For Various Color Class I Anodized Finish, Add</i>	0.50	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 43 13 00-0007	SF	9'	High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	15.68	5.14
			<i>For Various Color Class I Anodized Finish, Add</i>	0.47	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.42	
08 43 13 00-0008	SF	10'	High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.95	4.91
			<i>For Various Color Class I Anodized Finish, Add</i>	0.45	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.35	
08 43 13 00-0009	SF	11'	High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.36	4.72
			<i>For Various Color Class I Anodized Finish, Add</i>	0.43	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.30	
08 43 13 00-0010	SF	12'	High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	13.86	4.56
			<i>For Various Color Class I Anodized Finish, Add</i>	0.42	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.25	

**08 43 13 00-0011 1-3/4" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly** (08 43 13 00-0001)

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0012	SF	5'	High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	28.00	9.14
			<i>For Various Color Class I Anodized Finish, Add</i>	0.85	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.56	
08 43 13 00-0013	SF	6'	High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.70	8.09
			<i>For Various Color Class I Anodized Finish, Add</i>	0.75	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.25	
08 43 13 00-0014	SF	7'	High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.46	7.33
			<i>For Various Color Class I Anodized Finish, Add</i>	0.68	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.04	
08 43 13 00-0015	SF	8'	High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.71	6.76
			<i>For Various Color Class I Anodized Finish, Add</i>	0.63	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.88	
08 43 13 00-0016	SF	9'	High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.34	6.28
			<i>For Various Color Class I Anodized Finish, Add</i>	0.58	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.75	
08 43 13 00-0017	SF	10'	High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.22	5.99
			<i>For Various Color Class I Anodized Finish, Add</i>	0.55	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.65	
08 43 13 00-0018	SF	11'	High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.38	5.71
			<i>For Various Color Class I Anodized Finish, Add</i>	0.52	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.57	
08 43 13 00-0019	SF	12'	High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	16.62	5.43
			<i>For Various Color Class I Anodized Finish, Add</i>	0.50	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.50	

**08 43 13 00-0020 1-3/4" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly** (08 43 13 00-0001)

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0021	SF	5'	High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	34.55	11.23
			<i>For Various Color Class I Anodized Finish, Add</i>	1.05	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.15	
08 43 13 00-0022	SF	6'	High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	30.24	9.80
			<i>For Various Color Class I Anodized Finish, Add</i>	0.92	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.75	
08 43 13 00-0023	SF	7'	High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	27.12	8.85
			<i>For Various Color Class I Anodized Finish, Add</i>	0.82	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.47	
08 43 13 00-0024	SF	8'	High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.78	8.09
			<i>For Various Color Class I Anodized Finish, Add</i>	0.75	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.25	
08 43 13 00-0025	SF	9'	High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.91	7.51
			<i>For Various Color Class I Anodized Finish, Add</i>	0.69	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.08	
08 43 13 00-0026	SF	10'	High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.50	7.04
			<i>For Various Color Class I Anodized Finish, Add</i>	0.65	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.95	
08 43 13 00-0027	SF	11'	High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.32	6.67
			<i>For Various Color Class I Anodized Finish, Add</i>	0.61	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.84	

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 43 Storefronts**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 43 13 00-0028	SF	12' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.34		6.37
		<i>For Various Color Class I Anodized Finish, Add</i>	0.58		
		<i>For Black Color Class I Anodized Finish, Add</i>	1.75		
<b>08 43 13 00-0029</b>		<b>2" x 4-1/2" Frame, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small>			
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.			
08 43 13 00-0030	SF	5' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.15		7.33
		<i>For Various Color Class I Anodized Finish, Add</i>	0.67		
		<i>For Black Color Class I Anodized Finish, Add</i>	2.00		
08 43 13 00-0031	SF	6' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.92		6.57
		<i>For Various Color Class I Anodized Finish, Add</i>	0.60		
		<i>For Black Color Class I Anodized Finish, Add</i>	1.79		
08 43 13 00-0032	SF	7' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.23		6.09
		<i>For Various Color Class I Anodized Finish, Add</i>	0.55		
		<i>For Black Color Class I Anodized Finish, Add</i>	1.64		
08 43 13 00-0033	SF	8' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.02		5.71
		<i>For Various Color Class I Anodized Finish, Add</i>	0.51		
		<i>For Black Color Class I Anodized Finish, Add</i>	1.52		
08 43 13 00-0034	SF	9' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	16.05		5.32
		<i>For Various Color Class I Anodized Finish, Add</i>	0.48		
		<i>For Black Color Class I Anodized Finish, Add</i>	1.43		
08 43 13 00-0035	SF	10' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	15.38		5.14
		<i>For Various Color Class I Anodized Finish, Add</i>	0.45		
		<i>For Black Color Class I Anodized Finish, Add</i>	1.36		
08 43 13 00-0036	SF	11' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.67		4.95
		<i>For Various Color Class I Anodized Finish, Add</i>	0.44		
		<i>For Black Color Class I Anodized Finish, Add</i>	1.31		
08 43 13 00-0037	SF	12' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.21		4.76
		<i>For Various Color Class I Anodized Finish, Add</i>	0.42		
		<i>For Black Color Class I Anodized Finish, Add</i>	1.26		
<b>08 43 13 00-0038</b>		<b>2" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small>			
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.			
08 43 13 00-0039	SF	5' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.47		9.89
		<i>For Various Color Class I Anodized Finish, Add</i>	0.87		
		<i>For Black Color Class I Anodized Finish, Add</i>	2.60		
08 43 13 00-0040	SF	6' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.93		8.75
		<i>For Various Color Class I Anodized Finish, Add</i>	0.76		
		<i>For Black Color Class I Anodized Finish, Add</i>	2.29		
08 43 13 00-0041	SF	7' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.45		7.90
		<i>For Various Color Class I Anodized Finish, Add</i>	0.69		
		<i>For Black Color Class I Anodized Finish, Add</i>	2.06		
08 43 13 00-0042	SF	8' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.58		7.33
		<i>For Various Color Class I Anodized Finish, Add</i>	0.63		
		<i>For Black Color Class I Anodized Finish, Add</i>	1.90		
08 43 13 00-0043	SF	9' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.19		6.85
		<i>For Various Color Class I Anodized Finish, Add</i>	0.59		
		<i>For Black Color Class I Anodized Finish, Add</i>	1.77		
08 43 13 00-0044	SF	10' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.95		6.47
		<i>For Various Color Class I Anodized Finish, Add</i>	0.55		
		<i>For Black Color Class I Anodized Finish, Add</i>	1.66		
08 43 13 00-0045	SF	11' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.99		6.09
		<i>For Various Color Class I Anodized Finish, Add</i>	0.53		
		<i>For Black Color Class I Anodized Finish, Add</i>	1.58		
08 43 13 00-0046	SF	12' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.22		5.81
		<i>For Various Color Class I Anodized Finish, Add</i>	0.50		
		<i>For Black Color Class I Anodized Finish, Add</i>	1.51		
<b>08 43 13 00-0047</b>		<b>2" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small>			
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.			
08 43 13 00-0048	SF	5' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	35.56		11.80
		<i>For Various Color Class I Anodized Finish, Add</i>	1.07		
		<i>For Black Color Class I Anodized Finish, Add</i>	3.20		
08 43 13 00-0049	SF	6' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	31.08		10.28
		<i>For Various Color Class I Anodized Finish, Add</i>	0.93		
		<i>For Black Color Class I Anodized Finish, Add</i>	2.78		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0050 SF 7' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.83	9.23
<i>For Various Color Class I Anodized Finish, Add</i>	0.83	
<i>For Black Color Class I Anodized Finish, Add</i>	2.49	
08 43 13 00-0051 SF 8' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	25.46	8.47
<i>For Various Color Class I Anodized Finish, Add</i>	0.76	
<i>For Black Color Class I Anodized Finish, Add</i>	2.27	
08 43 13 00-0052 SF 9' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.56	7.81
<i>For Various Color Class I Anodized Finish, Add</i>	0.70	
<i>For Black Color Class I Anodized Finish, Add</i>	2.10	
08 43 13 00-0053 SF 10' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.03	7.33
<i>For Various Color Class I Anodized Finish, Add</i>	0.65	
<i>For Black Color Class I Anodized Finish, Add</i>	1.96	
08 43 13 00-0054 SF 11' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.83	6.95
<i>For Various Color Class I Anodized Finish, Add</i>	0.62	
<i>For Black Color Class I Anodized Finish, Add</i>	1.85	
08 43 13 00-0055 SF 12' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	19.74	6.67
<i>For Various Color Class I Anodized Finish, Add</i>	0.59	
<i>For Black Color Class I Anodized Finish, Add</i>	1.76	
<b>08 43 13 00-0056 2-1/2" x 5" Frame, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small>		
<small>Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.</small>		
08 43 13 00-0057 SF 5' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.99	7.51
<i>For Various Color Class I Anodized Finish, Add</i>	0.94	
<i>For Black Color Class I Anodized Finish, Add</i>	2.82	
08 43 13 00-0058 SF 6' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.28	6.76
<i>For Various Color Class I Anodized Finish, Add</i>	0.85	
<i>For Black Color Class I Anodized Finish, Add</i>	2.54	
08 43 13 00-0059 SF 7' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.38	6.18
<i>For Various Color Class I Anodized Finish, Add</i>	0.78	
<i>For Black Color Class I Anodized Finish, Add</i>	2.33	
08 43 13 00-0060 SF 8' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.97	5.81
<i>For Various Color Class I Anodized Finish, Add</i>	0.73	
<i>For Black Color Class I Anodized Finish, Add</i>	2.18	
08 43 13 00-0061 SF 9' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	19.84	5.52
<i>For Various Color Class I Anodized Finish, Add</i>	0.69	
<i>For Black Color Class I Anodized Finish, Add</i>	2.06	
08 43 13 00-0062 SF 10' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	18.94	5.23
<i>For Various Color Class I Anodized Finish, Add</i>	0.66	
<i>For Black Color Class I Anodized Finish, Add</i>	1.97	
08 43 13 00-0063 SF 11' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	18.22	5.04
<i>For Various Color Class I Anodized Finish, Add</i>	0.63	
<i>For Black Color Class I Anodized Finish, Add</i>	1.89	
08 43 13 00-0064 SF 12' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	17.57	4.85
<i>For Various Color Class I Anodized Finish, Add</i>	0.61	
<i>For Black Color Class I Anodized Finish, Add</i>	1.83	
<b>08 43 13 00-0065 2-1/2" x 5" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small>		
<small>Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.</small>		
08 43 13 00-0066 SF 5' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	35.72	10.09
<i>For Various Color Class I Anodized Finish, Add</i>	1.22	
<i>For Black Color Class I Anodized Finish, Add</i>	3.67	
08 43 13 00-0067 SF 6' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.55	8.95
<i>For Various Color Class I Anodized Finish, Add</i>	1.08	
<i>For Black Color Class I Anodized Finish, Add</i>	3.25	
08 43 13 00-0068 SF 7' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.62	8.09
<i>For Various Color Class I Anodized Finish, Add</i>	0.98	
<i>For Black Color Class I Anodized Finish, Add</i>	2.94	
08 43 13 00-0069 SF 8' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.41	7.42
<i>For Various Color Class I Anodized Finish, Add</i>	0.90	
<i>For Black Color Class I Anodized Finish, Add</i>	2.71	
08 43 13 00-0070 SF 9' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.66	6.95
<i>For Various Color Class I Anodized Finish, Add</i>	0.85	
<i>For Black Color Class I Anodized Finish, Add</i>	2.54	
08 43 13 00-0071 SF 10' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.30	6.57
<i>For Various Color Class I Anodized Finish, Add</i>	0.80	
<i>For Black Color Class I Anodized Finish, Add</i>	2.40	
08 43 13 00-0072 SF 11' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.18	6.28
<i>For Various Color Class I Anodized Finish, Add</i>	0.76	
<i>For Black Color Class I Anodized Finish, Add</i>	2.28	

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 43 Storefronts**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 43 13 00-0073	SF	12' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.17		5.99
		<i>For Various Color Class I Anodized Finish, Add</i>	0.73		
		<i>For Black Color Class I Anodized Finish, Add</i>	2.18		
<b>08 43 13 00-0074</b>		<b>2-1/2" x 5" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small>			
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.			
08 43 13 00-0075	SF	5' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	42.94		11.80
		<i>For Various Color Class I Anodized Finish, Add</i>	1.51		
		<i>For Black Color Class I Anodized Finish, Add</i>	4.53		
08 43 13 00-0076	SF	6' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	37.77		10.47
		<i>For Various Color Class I Anodized Finish, Add</i>	1.32		
		<i>For Black Color Class I Anodized Finish, Add</i>	3.96		
08 43 13 00-0077	SF	7' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.91		9.42
		<i>For Various Color Class I Anodized Finish, Add</i>	1.18		
		<i>For Black Color Class I Anodized Finish, Add</i>	3.55		
08 43 13 00-0078	SF	8' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.08		8.56
		<i>For Various Color Class I Anodized Finish, Add</i>	1.08		
		<i>For Black Color Class I Anodized Finish, Add</i>	3.25		
08 43 13 00-0079	SF	9' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.81		8.00
		<i>For Various Color Class I Anodized Finish, Add</i>	1.00		
		<i>For Black Color Class I Anodized Finish, Add</i>	3.01		
08 43 13 00-0080	SF	10' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.01		7.51
		<i>For Various Color Class I Anodized Finish, Add</i>	0.94		
		<i>For Black Color Class I Anodized Finish, Add</i>	2.82		
08 43 13 00-0081	SF	11' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	25.48		7.04
		<i>For Various Color Class I Anodized Finish, Add</i>	0.89		
		<i>For Black Color Class I Anodized Finish, Add</i>	2.67		
08 43 13 00-0082	SF	12' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.29		6.76
		<i>For Various Color Class I Anodized Finish, Add</i>	0.85		
		<i>For Black Color Class I Anodized Finish, Add</i>	2.54		
<b>08 43 13 00-0083</b>		<b>Accessories For Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small>			
08 43 13 00-0084	LF	For 3/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing	27.74		6.33
08 43 13 00-0085	LF	For 1-1/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing	31.52		6.97
08 43 13 00-0086	LF	For 1-7/16" x 4-5/8" x 1/4" Steel Reinforcing, Storefront Framing	47.00		7.66
<b>08 43 19</b>		<b>Stainless-Steel-Framed Storefronts</b> <small>(08 43)</small>			
<b>08 43 19 00-0001</b>		<b>Stainless Steel Storefront Framing Assembly</b> <small>(08 43 19)</small>			
		Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 81 23 23-0051 for insulated glazing.			
08 43 19 00-0002	SF	Stainless Steel Storefront Framing Assembly	39.22		4.76
		<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	3.20		
<b>08 44</b>		<b>Curtain Wall and Glazed Assemblies</b> <small>(08 40)</small>			
<b>08 44 13</b>		<b>Glazed Aluminum Curtain Walls</b> <small>(08 44)</small>			
<b>08 44 13 00-0001</b>		<b>Curtain Walls</b> <small>(08 44 13)</small>			
<b>08 44 13 00-0002</b>		<b>Coping Sections</b> <small>(08 44 13 00-0001)</small>			
08 44 13 00-0003	LF	Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section	46.64		2.85
		<i>For Bronze Anodized Aluminum, Add</i>	4.49		
		<i>For Stainless Steel, Add</i>	18.80		
		<i>For Black Anodized Finish, Add</i>	8.08		
08 44 13 00-0004	LF	Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section	48.24		2.85
		<i>For Bronze Anodized Aluminum, Add</i>	4.73		
		<i>For Stainless Steel, Add</i>	19.76		
		<i>For Black Anodized Finish, Add</i>	8.52		
08 44 13 00-0005	LF	Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section	58.25		3.80
		<i>For Bronze Anodized Aluminum, Add</i>	5.62		
		<i>For Stainless Steel, Add</i>	23.50		
		<i>For Black Anodized Finish, Add</i>	10.11		
<b>08 44 13 00-0006</b>		<b>Sill Section</b> <small>(08 44 13 00-0001)</small>			
08 44 13 00-0007	LF	Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section	37.74		1.91
		<i>For Bronze Anodized Aluminum, Add</i>	3.90		
		<i>For Stainless Steel, Add</i>	16.18		
		<i>For Black Anodized Finish, Add</i>	7.02		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 44 13 00-0008	LF	Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section.....	40.51	1.91
		<i>For Bronze Anodized Aluminum, Add</i>	4.31	
		<i>For Stainless Steel, Add</i>	17.84	
		<i>For Black Anodized Finish, Add</i>	7.77	
08 44 13 00-0009	LF	Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section .....	43.32	1.91
		<i>For Bronze Anodized Aluminum, Add</i>	4.74	
		<i>For Stainless Steel, Add</i>	19.53	
		<i>For Black Anodized Finish, Add</i>	8.52	

**08 44 13 00-0010 Aluminum Column Covers** (08 44 13 00-0001)

Note: Includes all clips and fasteners.

08 44 13 00-0011	LF	Aluminum Column Covers, 1/8" x 26", Shaped.....	92.22	4.76
		<i>For Bronze Anodized Aluminum, Add</i>	9.81	
		<i>For Stainless Steel, Add</i>	40.59	
		<i>For Black Anodized Finish, Add</i>	17.66	
08 44 13 00-0012	LF	Aluminum Column Covers, 1/8" x 34", Shaped.....	111.93	4.76
		<i>For Bronze Anodized Aluminum, Add</i>	12.53	
		<i>For Stainless Steel, Add</i>	51.53	
		<i>For Black Anodized Finish, Add</i>	22.55	
08 44 13 00-0013	LF	Aluminum Column Covers, 1/8" x 38", Shaped.....	119.33	4.76
		<i>For Bronze Anodized Aluminum, Add</i>	13.64	
		<i>For Stainless Steel, Add</i>	55.97	
		<i>For Black Anodized Finish, Add</i>	24.55	

**08 44 13 00-0014 Spandrel Covers** (08 44 13 00-0001)

Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).

08 44 13 00-0015	SF	1" Spandrel Cover, Aluminum Both Faces.....	36.37	1.91
		<i>For Bronze Anodized Aluminum, Add</i>	4.26	
		<i>For Stainless Steel, Add</i>	17.42	
		<i>For Black Anodized Finish, Add</i>	7.66	
08 44 13 00-0016	SF	1" Spandrel Cover, Aluminum Exterior Face.....	32.16	1.91
		<i>For Bronze Anodized Aluminum, Add</i>	3.62	
		<i>For Stainless Steel, Add</i>	14.90	
		<i>For Black Anodized Finish, Add</i>	6.52	
08 44 13 00-0017	SF	1" Spandrel Cover, Epoxy Both Faces.....	67.02	1.91
		<i>For Bronze Anodized Aluminum, Add</i>	8.85	
		<i>For Stainless Steel, Add</i>	35.81	
		<i>For Black Anodized Finish, Add</i>	15.94	
08 44 13 00-0018	SF	1" Spandrel Cover, Epoxy Exterior Face Only.....	55.15	1.91
		<i>For Bronze Anodized Aluminum, Add</i>	7.07	
		<i>For Stainless Steel, Add</i>	28.69	
		<i>For Black Anodized Finish, Add</i>	12.73	
08 44 13 00-0019	SF	2" Spandrel Cover, Aluminum Both Faces.....	41.20	1.91
		<i>For Bronze Anodized Aluminum, Add</i>	4.67	
		<i>For Stainless Steel, Add</i>	19.18	
		<i>For Black Anodized Finish, Add</i>	8.40	
08 44 13 00-0020	SF	2" Spandrel Cover, Aluminum Exterior Face.....	37.22	1.91
		<i>For Bronze Anodized Aluminum, Add</i>	4.07	
		<i>For Stainless Steel, Add</i>	16.79	
		<i>For Black Anodized Finish, Add</i>	7.33	
08 44 13 00-0021	SF	2" Spandrel Cover, Epoxy Both Faces.....	76.87	1.91
		<i>For Bronze Anodized Aluminum, Add</i>	10.02	
		<i>For Stainless Steel, Add</i>	40.58	
		<i>For Black Anodized Finish, Add</i>	18.03	
08 44 13 00-0022	SF	2" Spandrel Cover, Epoxy Exterior Face Only.....	63.18	1.91
		<i>For Bronze Anodized Aluminum, Add</i>	7.97	
		<i>For Stainless Steel, Add</i>	32.36	
		<i>For Black Anodized Finish, Add</i>	14.34	

**08 44 13 00-0023 Curtain Wall, Aluminum System Framing Sections** (08 44 13 00-0001)

Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.

08 44 13 00-0024	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls.....	51.61	1.91
		<i>For Bronze Anodized Aluminum, Add</i>	6.61	
		<i>For Stainless Steel, Add</i>	26.81	
		<i>For Black Anodized Finish, Add</i>	11.90	
08 44 13 00-0025	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls .....	51.46	1.91
		<i>For Bronze Anodized Aluminum, Add</i>	6.61	
		<i>For Stainless Steel, Add</i>	26.81	
		<i>For Black Anodized Finish, Add</i>	11.90	
08 44 13 00-0026	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls .....	51.46	1.91
		<i>For Bronze Anodized Aluminum, Add</i>	6.61	
		<i>For Stainless Steel, Add</i>	26.81	
		<i>For Black Anodized Finish, Add</i>	11.90	
		<i>For Corner Mullion, Add</i>	12.13	
08 44 13 00-0027	LF	Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls .....	64.07	3.80
		<i>For Bronze Anodized Aluminum, Add</i>	7.90	
		<i>For Stainless Steel, Add</i>	32.16	
		<i>For Black Anodized Finish, Add</i>	14.22	
08 44 13 00-0028	LF	Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls.....	64.07	3.80
		<i>For Bronze Anodized Aluminum, Add</i>	7.90	
		<i>For Stainless Steel, Add</i>	32.16	
		<i>For Black Anodized Finish, Add</i>	14.22	

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 44 Curtain Wall and Glazed Assemblies**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 44 13 00-0029	LF	Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls.....	64.07	3.80
		For Bronze Anodized Aluminum, Add	7.90	
		For Stainless Steel, Add	32.16	
		For Black Anodized Finish, Add	14.22	
		For Corner Mullion, Add	14.88	
08 44 13 00-0030	LF	Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls.....	70.39	4.19
		For Bronze Anodized Aluminum, Add	8.66	
		For Stainless Steel, Add	35.25	
		For Black Anodized Finish, Add	15.58	
08 44 13 00-0031	LF	Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls.....	70.39	4.19
		For Bronze Anodized Aluminum, Add	8.66	
		For Stainless Steel, Add	35.25	
		For Black Anodized Finish, Add	15.58	
08 44 13 00-0032	LF	Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls.....	70.39	4.19
		For Bronze Anodized Aluminum, Add	8.66	
		For Stainless Steel, Add	35.25	
		For Black Anodized Finish, Add	15.58	
		For Corner Mullion, Add	16.33	
08 44 13 00-0033	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls.....	76.88	4.76
		For Bronze Anodized Aluminum, Add	9.42	
		For Stainless Steel, Add	38.37	
		For Black Anodized Finish, Add	16.95	
08 44 13 00-0034	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls.....	76.88	4.76
		For Bronze Anodized Aluminum, Add	9.42	
		For Stainless Steel, Add	38.37	
		For Black Anodized Finish, Add	16.95	
08 44 13 00-0035	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls.....	76.88	4.76
		For Bronze Anodized Aluminum, Add	9.42	
		For Stainless Steel, Add	38.37	
		For Black Anodized Finish, Add	16.95	
		For Corner Mullion, Add	17.81	
08 44 13 00-0036	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls.....	86.19	5.14
		For Bronze Anodized Aluminum, Add	10.62	
		For Stainless Steel, Add	43.25	
		For Black Anodized Finish, Add	19.12	
08 44 13 00-0037	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls.....	86.19	5.14
		For Bronze Anodized Aluminum, Add	10.62	
		For Stainless Steel, Add	43.25	
		For Black Anodized Finish, Add	19.12	
08 44 13 00-0038	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls.....	86.19	5.14
		For Bronze Anodized Aluminum, Add	10.62	
		For Stainless Steel, Add	43.25	
		For Black Anodized Finish, Add	19.12	
		For Corner Mullion, Add	20.01	
08 44 13 00-0039	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls.....	98.94	5.71
		For Bronze Anodized Aluminum, Add	12.19	
		For Stainless Steel, Add	49.66	
		For Black Anodized Finish, Add	21.95	
08 44 13 00-0040	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls.....	98.94	5.71
		For Bronze Anodized Aluminum, Add	12.19	
		For Stainless Steel, Add	49.66	
		For Black Anodized Finish, Add	21.95	
08 44 13 00-0041	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls.....	98.94	5.71
		For Bronze Anodized Aluminum, Add	12.19	
		For Stainless Steel, Add	49.66	
		For Black Anodized Finish, Add	21.95	
		For Corner Mullion, Add	22.97	

**08 45 Translucent Wall and Roof Assemblies** (08 40)**08 45 23 Fiberglass-Sandwich-Panel Assemblies** (08 45)**08 45 23 00-0001 Translucent Fiberglass Sandwich-Panels 2-3/4" Thick** (08 45 23)

08 45 23 00-0002	SF	<5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed.....	64.31	6.32
		For Aluminum Frame, Add	5.48	
08 45 23 00-0003	SF	>5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed.....	58.57	5.38
		For Aluminum Frame, Add	5.05	

**08 50 Windows** (08)

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

**08 51 Metal Windows** (08 50)**08 51 13 Aluminum Windows** (08 51)

See CSI section 08 80 00 00-0000 for glazing.

**08 51 13 00-0001 Aluminum Windows** (08 51 13)

Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.

**08 51 13 00-0002 Single Hung Aluminum Windows** (08 51 13 00-0001)**08 51 13 00-0003 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350)** (08 51 13 00-0002)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0004	EA		Up To 6 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	469.12 6.03 18.08 15.07 21.09	100.68
08 51 13 00-0005	EA		>6 To 10 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	526.13 6.96 20.87 17.39 24.35	106.96
08 51 13 00-0006	EA		>10 To 15 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	575.03 7.73 23.18 19.31 27.04	113.26
08 51 13 00-0007	EA		>15 To 20 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	615.86 8.33 25.00 20.83 29.16	119.55
08 51 13 00-0008	EA		>20 To 30 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	705.22 9.91 29.73 24.77 34.68	125.84
08 51 13 00-0009	SF		>30 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	22.83 0.33 0.99 0.83 1.16	3.78
<b>08 51 13 00-0010</b>			<b>2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) (08 51 13 00-0002)</b>		
08 51 13 00-0011	EA		Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	502.60 6.70 20.09 16.74 23.44	100.68
08 51 13 00-0012	EA		>6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	564.78 7.73 23.19 19.33 27.06	106.96
08 51 13 00-0013	EA		>10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	617.95 8.58 25.75 21.46 30.04	113.26
08 51 13 00-0014	EA		>15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	662.15 9.26 27.77 23.15 32.40	119.55
08 51 13 00-0015	EA		>20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	760.27 11.01 33.03 27.53 38.54	125.84
08 51 13 00-0016	SF		>30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	24.66 0.37 1.10 0.92 1.29	3.78
<b>08 51 13 00-0017</b>			<b>3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) (08 51 13 00-0002)</b>		
08 51 13 00-0018	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	740.80 11.46 34.38 28.65 40.11	100.68
08 51 13 00-0019	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	823.19 12.90 38.69 32.25 45.14	106.96
08 51 13 00-0020	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	892.10 14.07 42.20 35.17 49.23	113.26
08 51 13 00-0021	EA		>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	958.76 15.19 45.57 37.98 53.17	119.55

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0022	EA >20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	1,137.78	125.84
	For 50% Fluoropolymer Finish (Acrynar), Add	18.56	
	For 70% Fluoropolymer Finish (Duranar), Add	55.68	
	For Clear Anodized Finish, Add	46.40	
	For Color Anodized Finish, Add	64.96	
08 51 13 00-0023	SF >30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	37.24	3.78
	For 50% Fluoropolymer Finish (Acrynar), Add	0.62	
	For 70% Fluoropolymer Finish (Duranar), Add	1.86	
	For Clear Anodized Finish, Add	1.55	
	For Color Anodized Finish, Add	2.17	
<b>08 51 13 00-0024</b>	<b>3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)</b> (08 51 13 00-0002)		
08 51 13 00-0025	EA Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	781.24	100.68
	For 50% Fluoropolymer Finish (Acrynar), Add	12.27	
	For 70% Fluoropolymer Finish (Duranar), Add	36.81	
	For Clear Anodized Finish, Add	30.67	
	For Color Anodized Finish, Add	42.94	
08 51 13 00-0026	EA >6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	879.37	106.96
	For 50% Fluoropolymer Finish (Acrynar), Add	14.02	
	For 70% Fluoropolymer Finish (Duranar), Add	42.07	
	For Clear Anodized Finish, Add	35.05	
	For Color Anodized Finish, Add	49.08	
08 51 13 00-0027	EA >10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	959.51	113.26
	For 50% Fluoropolymer Finish (Acrynar), Add	15.42	
	For 70% Fluoropolymer Finish (Duranar), Add	46.25	
	For Clear Anodized Finish, Add	38.54	
	For Color Anodized Finish, Add	53.95	
08 51 13 00-0028	EA >15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,037.41	119.55
	For 50% Fluoropolymer Finish (Acrynar), Add	16.76	
	For 70% Fluoropolymer Finish (Duranar), Add	50.29	
	For Clear Anodized Finish, Add	41.91	
	For Color Anodized Finish, Add	58.67	
08 51 13 00-0029	EA >20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,234.41	125.84
	For 50% Fluoropolymer Finish (Acrynar), Add	20.49	
	For 70% Fluoropolymer Finish (Duranar), Add	61.48	
	For Clear Anodized Finish, Add	51.23	
	For Color Anodized Finish, Add	71.73	
08 51 13 00-0030	SF >30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	40.46	3.78
	For 50% Fluoropolymer Finish (Acrynar), Add	0.68	
	For 70% Fluoropolymer Finish (Duranar), Add	2.05	
	For Clear Anodized Finish, Add	1.71	
	For Color Anodized Finish, Add	2.39	
<b>08 51 13 00-0031</b>	<b>4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)</b> (08 51 13 00-0002)		
08 51 13 00-0032	EA Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	857.64	100.68
	For 50% Fluoropolymer Finish (Acrynar), Add	13.80	
	For 70% Fluoropolymer Finish (Duranar), Add	41.39	
	For Clear Anodized Finish, Add	34.49	
	For Color Anodized Finish, Add	48.29	
08 51 13 00-0033	EA >6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	984.98	106.96
	For 50% Fluoropolymer Finish (Acrynar), Add	16.13	
	For 70% Fluoropolymer Finish (Duranar), Add	48.40	
	For Clear Anodized Finish, Add	40.34	
	For Color Anodized Finish, Add	56.47	
08 51 13 00-0034	EA >10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,067.37	113.26
	For 50% Fluoropolymer Finish (Acrynar), Add	17.57	
	For 70% Fluoropolymer Finish (Duranar), Add	52.72	
	For Clear Anodized Finish, Add	43.93	
	For Color Anodized Finish, Add	61.50	
08 51 13 00-0035	EA >15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,145.27	119.55
	For 50% Fluoropolymer Finish (Acrynar), Add	18.92	
	For 70% Fluoropolymer Finish (Duranar), Add	56.76	
	For Clear Anodized Finish, Add	47.30	
	For Color Anodized Finish, Add	66.22	
08 51 13 00-0036	EA >20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,326.54	125.84
	For 50% Fluoropolymer Finish (Acrynar), Add	22.34	
	For 70% Fluoropolymer Finish (Duranar), Add	67.01	
	For Clear Anodized Finish, Add	55.84	
	For Color Anodized Finish, Add	78.18	
08 51 13 00-0037	SF >30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	43.53	3.78
	For 50% Fluoropolymer Finish (Acrynar), Add	0.74	
	For 70% Fluoropolymer Finish (Duranar), Add	2.23	
	For Clear Anodized Finish, Add	1.86	
	For Color Anodized Finish, Add	2.61	
<b>08 51 13 00-0038</b>	<b>4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)</b> (08 51 13 00-0002)		
08 51 13 00-0039	EA Up To 6 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL).....	1,030.10	100.68
	For 50% Fluoropolymer Finish (Acrynar), Add	17.25	
	For 70% Fluoropolymer Finish (Duranar), Add	51.74	
	For Clear Anodized Finish, Add	43.12	
	For Color Anodized Finish, Add	60.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0040	EA	>6 To 10 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	.....	1,186.65	106.96
		For 50% Fluoropolymer Finish (Acrynar), Add		20.17	
		For 70% Fluoropolymer Finish (Duramar), Add		60.50	
		For Clear Anodized Finish, Add		50.42	
		For Color Anodized Finish, Add		70.59	
08 51 13 00-0041	EA	>10 To 15 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	.....	1,287.01	113.26
		For 50% Fluoropolymer Finish (Acrynar), Add		21.97	
		For 70% Fluoropolymer Finish (Duramar), Add		65.90	
		For Clear Anodized Finish, Add		54.91	
		For Color Anodized Finish, Add		76.88	
08 51 13 00-0042	EA	>15 To 20 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	.....	1,381.79	119.55
		For 50% Fluoropolymer Finish (Acrynar), Add		23.65	
		For 70% Fluoropolymer Finish (Duramar), Add		70.95	
		For Clear Anodized Finish, Add		59.13	
		For Color Anodized Finish, Add		82.78	
08 51 13 00-0043	EA	>20 To 30 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	.....	1,605.75	125.84
		For 50% Fluoropolymer Finish (Acrynar), Add		27.92	
		For 70% Fluoropolymer Finish (Duramar), Add		83.76	
		For Clear Anodized Finish, Add		69.80	
		For Color Anodized Finish, Add		97.72	
08 51 13 00-0044	SF	>30 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	.....	52.84	3.78
		For 50% Fluoropolymer Finish (Acrynar), Add		0.93	
		For 70% Fluoropolymer Finish (Duramar), Add		2.79	
		For Clear Anodized Finish, Add		2.33	
		For Color Anodized Finish, Add		3.26	
<b>08 51 13 00-0045</b>		<b>Double Hung Aluminum Windows</b> (08 51 13 00-0001)			
<b>08 51 13 00-0046</b>		<b>3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)</b> (08 51 13 00-0045)			
08 51 13 00-0047	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	.....	563.28	100.68
		For 50% Fluoropolymer Finish (Acrynar), Add		7.91	
		For 70% Fluoropolymer Finish (Duramar), Add		23.73	
		For Clear Anodized Finish, Add		19.77	
		For Color Anodized Finish, Add		27.68	
08 51 13 00-0048	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	.....	623.20	106.96
		For 50% Fluoropolymer Finish (Acrynar), Add		8.90	
		For 70% Fluoropolymer Finish (Duramar), Add		26.70	
		For Clear Anodized Finish, Add		22.25	
		For Color Anodized Finish, Add		31.14	
08 51 13 00-0049	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	.....	674.13	113.26
		For 50% Fluoropolymer Finish (Acrynar), Add		9.71	
		For 70% Fluoropolymer Finish (Duramar), Add		29.12	
		For Clear Anodized Finish, Add		24.27	
		For Color Anodized Finish, Add		33.98	
08 51 13 00-0050	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	.....	727.31	119.55
		For 50% Fluoropolymer Finish (Acrynar), Add		10.56	
		For 70% Fluoropolymer Finish (Duramar), Add		31.68	
		For Clear Anodized Finish, Add		26.40	
		For Color Anodized Finish, Add		36.96	
08 51 13 00-0051	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	.....	847.91	125.84
		For 50% Fluoropolymer Finish (Acrynar), Add		12.76	
		For 70% Fluoropolymer Finish (Duramar), Add		38.29	
		For Clear Anodized Finish, Add		31.91	
		For Color Anodized Finish, Add		44.67	
08 51 13 00-0052	SF	>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	.....	27.58	3.78
		For 50% Fluoropolymer Finish (Acrynar), Add		0.43	
		For 70% Fluoropolymer Finish (Duramar), Add		1.28	
		For Clear Anodized Finish, Add		1.06	
		For Color Anodized Finish, Add		1.49	
<b>08 51 13 00-0053</b>		<b>4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)</b> (08 51 13 00-0045)			
08 51 13 00-0054	EA	Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	.....	691.36	100.68
		For 50% Fluoropolymer Finish (Acrynar), Add		10.47	
		For 70% Fluoropolymer Finish (Duramar), Add		31.41	
		For Clear Anodized Finish, Add		26.18	
		For Color Anodized Finish, Add		36.65	
08 51 13 00-0055	EA	>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	.....	800.72	106.96
		For 50% Fluoropolymer Finish (Acrynar), Add		12.45	
		For 70% Fluoropolymer Finish (Duramar), Add		37.35	
		For Clear Anodized Finish, Add		31.12	
		For Color Anodized Finish, Add		43.57	
08 51 13 00-0056	EA	>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	.....	889.85	113.26
		For 50% Fluoropolymer Finish (Acrynar), Add		14.02	
		For 70% Fluoropolymer Finish (Duramar), Add		42.07	
		For Clear Anodized Finish, Add		35.05	
		For Color Anodized Finish, Add		49.08	
08 51 13 00-0057	EA	>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	.....	990.22	119.55
		For 50% Fluoropolymer Finish (Acrynar), Add		15.82	
		For 70% Fluoropolymer Finish (Duramar), Add		47.46	
		For Clear Anodized Finish, Add		39.55	
		For Color Anodized Finish, Add		55.37	
08 51 13 00-0058	EA	>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	.....	1,173.74	125.84
		For 50% Fluoropolymer Finish (Acrynar), Add		19.28	
		For 70% Fluoropolymer Finish (Duramar), Add		57.84	
		For Clear Anodized Finish, Add		48.20	
		For Color Anodized Finish, Add		67.48	

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0059	SF >30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) .....	38.43	3.78
	For 50% Fluoropolymer Finish (Acrynar), Add	0.64	
	For 70% Fluoropolymer Finish (Durandar), Add	1.93	
	For Clear Anodized Finish, Add	1.61	
	For Color Anodized Finish, Add	2.25	
<b>08 51 13 00-0060</b>	<b>4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)</b> (08 51 13 00-0045)		
08 51 13 00-0061	EA Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	868.88	100.68
	For 50% Fluoropolymer Finish (Acrynar), Add	14.02	
	For 70% Fluoropolymer Finish (Durandar), Add	42.07	
	For Clear Anodized Finish, Add	35.05	
	For Color Anodized Finish, Add	49.08	
08 51 13 00-0062	EA >6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) .....	996.22	106.96
	For 50% Fluoropolymer Finish (Acrynar), Add	16.36	
	For 70% Fluoropolymer Finish (Durandar), Add	49.08	
	For Clear Anodized Finish, Add	40.90	
	For Color Anodized Finish, Add	57.26	
08 51 13 00-0063	EA >10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) .....	1,103.32	113.26
	For 50% Fluoropolymer Finish (Acrynar), Add	18.29	
	For 70% Fluoropolymer Finish (Durandar), Add	54.87	
	For Clear Anodized Finish, Add	45.73	
	For Color Anodized Finish, Add	64.02	
08 51 13 00-0064	EA >15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) .....	1,208.19	119.55
	For 50% Fluoropolymer Finish (Acrynar), Add	20.18	
	For 70% Fluoropolymer Finish (Durandar), Add	60.54	
	For Clear Anodized Finish, Add	50.45	
	For Color Anodized Finish, Add	70.63	
08 51 13 00-0065	EA >20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) .....	1,459.12	125.84
	For 50% Fluoropolymer Finish (Acrynar), Add	24.99	
	For 70% Fluoropolymer Finish (Durandar), Add	74.96	
	For Clear Anodized Finish, Add	62.47	
	For Color Anodized Finish, Add	87.46	
08 51 13 00-0066	SF >30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) .....	47.94	3.78
	For 50% Fluoropolymer Finish (Acrynar), Add	0.83	
	For 70% Fluoropolymer Finish (Durandar), Add	2.50	
	For Clear Anodized Finish, Add	2.08	
	For Color Anodized Finish, Add	2.91	
<b>08 51 13 00-0067</b>	<b>4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL)</b> (08 51 13 00-0045)		
08 51 13 00-0068	EA Up To 6 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL).....	1,044.15	100.68
	For 50% Fluoropolymer Finish (Acrynar), Add	17.53	
	For 70% Fluoropolymer Finish (Durandar), Add	52.58	
	For Clear Anodized Finish, Add	43.82	
	For Color Anodized Finish, Add	61.35	
08 51 13 00-0069	EA >6 To 10 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL) .....	1,200.70	106.96
	For 50% Fluoropolymer Finish (Acrynar), Add	20.45	
	For 70% Fluoropolymer Finish (Durandar), Add	61.35	
	For Clear Anodized Finish, Add	51.12	
	For Color Anodized Finish, Add	71.57	
08 51 13 00-0070	EA >10 To 15 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL) .....	1,331.95	113.26
	For 50% Fluoropolymer Finish (Acrynar), Add	22.86	
	For 70% Fluoropolymer Finish (Durandar), Add	68.59	
	For Clear Anodized Finish, Add	57.16	
	For Color Anodized Finish, Add	80.02	
08 51 13 00-0071	EA >15 To 20 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL) .....	1,460.43	119.55
	For 50% Fluoropolymer Finish (Acrynar), Add	25.22	
	For 70% Fluoropolymer Finish (Durandar), Add	75.67	
	For Clear Anodized Finish, Add	63.06	
	For Color Anodized Finish, Add	88.28	
08 51 13 00-0072	EA >20 To 30 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL) .....	1,771.46	125.84
	For 50% Fluoropolymer Finish (Acrynar), Add	31.23	
	For 70% Fluoropolymer Finish (Durandar), Add	93.70	
	For Clear Anodized Finish, Add	78.09	
	For Color Anodized Finish, Add	109.32	
08 51 13 00-0073	SF >30 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL) .....	58.35	3.78
	For 50% Fluoropolymer Finish (Acrynar), Add	1.04	
	For 70% Fluoropolymer Finish (Durandar), Add	3.12	
	For Clear Anodized Finish, Add	2.60	
	For Color Anodized Finish, Add	3.64	
<b>08 51 13 00-0074</b>	<b>4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)</b> (08 51 13 00-0045)		
08 51 13 00-0075	EA Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	1,353.50	106.96
	For 50% Fluoropolymer Finish (Acrynar), Add	23.50	
	For 70% Fluoropolymer Finish (Durandar), Add	70.51	
	For Clear Anodized Finish, Add	58.76	
	For Color Anodized Finish, Add	82.27	
08 51 13 00-0076	EA >10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) .....	1,483.08	113.26
	For 50% Fluoropolymer Finish (Acrynar), Add	25.89	
	For 70% Fluoropolymer Finish (Durandar), Add	77.66	
	For Clear Anodized Finish, Add	64.72	
	For Color Anodized Finish, Add	90.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0077	EA	>15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	1,635.13	119.55	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	28.72		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	86.15		
		<i>For Clear Anodized Finish, Add</i>	71.79		
		<i>For Color Anodized Finish, Add</i>	100.51		
08 51 13 00-0078	EA	>20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	1,890.56	125.84	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	33.62		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	100.85		
		<i>For Clear Anodized Finish, Add</i>	84.04		
		<i>For Color Anodized Finish, Add</i>	117.66		
08 51 13 00-0079	SF	>30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	62.25	3.78	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.12		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	3.36		
		<i>For Clear Anodized Finish, Add</i>	2.80		
		<i>For Color Anodized Finish, Add</i>	3.92		
<b>08 51 13 00-0080</b>		<b>5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)</b> <small>(08 51 13 00-0045)</small>			
08 51 13 00-0081	EA	Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	1,861.34	106.96	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	33.66		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	100.98		
		<i>For Clear Anodized Finish, Add</i>	84.15		
		<i>For Color Anodized Finish, Add</i>	117.81		
08 51 13 00-0082	EA	>10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	2,006.65	113.26	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	36.36		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	109.07		
		<i>For Clear Anodized Finish, Add</i>	90.89		
		<i>For Color Anodized Finish, Add</i>	127.25		
08 51 13 00-0083	EA	>15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	2,172.19	119.55	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	39.46		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	118.38		
		<i>For Clear Anodized Finish, Add</i>	98.65		
		<i>For Color Anodized Finish, Add</i>	138.11		
08 51 13 00-0084	EA	>20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	2,459.07	125.84	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	44.99		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	134.96		
		<i>For Clear Anodized Finish, Add</i>	112.47		
		<i>For Color Anodized Finish, Add</i>	157.45		
08 51 13 00-0085	SF	>30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	81.35	3.78	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.50		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	4.50		
		<i>For Clear Anodized Finish, Add</i>	3.75		
		<i>For Color Anodized Finish, Add</i>	5.25		
<b>08 51 13 00-0086</b>		<b>Horizontal Sliding Aluminum Windows</b> <small>(08 51 13 00-0001)</small>			
<b>08 51 13 00-0087</b>		<b>One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows</b> <small>(08 51 13 00-0086)</small>			
<b>08 51 13 00-0088</b>		<b>2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)</b> <small>(08 51 13 00-0087)</small>			
08 51 13 00-0089	EA	Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	513.84	100.68	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.92		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	20.76		
		<i>For Clear Anodized Finish, Add</i>	17.30		
		<i>For Color Anodized Finish, Add</i>	24.22		
08 51 13 00-0090	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	578.26	106.96	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.00		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	24.00		
		<i>For Clear Anodized Finish, Add</i>	20.00		
		<i>For Color Anodized Finish, Add</i>	28.00		
08 51 13 00-0091	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	626.94	113.26	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.76		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	26.29		
		<i>For Clear Anodized Finish, Add</i>	21.91		
		<i>For Color Anodized Finish, Add</i>	30.67		
08 51 13 00-0092	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	677.88	119.55	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.57		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	28.72		
		<i>For Clear Anodized Finish, Add</i>	23.93		
		<i>For Color Anodized Finish, Add</i>	33.50		
08 51 13 00-0093	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	780.50	125.84	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.42		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	34.25		
		<i>For Clear Anodized Finish, Add</i>	28.54		
		<i>For Color Anodized Finish, Add</i>	39.95		
08 51 13 00-0094	SF	>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	25.33	3.78	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.38		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	1.14		
		<i>For Clear Anodized Finish, Add</i>	0.95		
		<i>For Color Anodized Finish, Add</i>	1.33		

## 08 Openings

## 08 50 Windows

## 08 51 Metal Windows

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0095		3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) (08 51 13 00-0087)		
08 51 13 00-0096	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	799.22	100.68
		For 50% Fluoropolymer Finish (Acrynar), Add	12.63	
		For 70% Fluoropolymer Finish (Durandar), Add	37.89	
		For Clear Anodized Finish, Add	31.57	
		For Color Anodized Finish, Add	44.20	
08 51 13 00-0097	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	899.59	106.96
		For 50% Fluoropolymer Finish (Acrynar), Add	14.43	
		For 70% Fluoropolymer Finish (Durandar), Add	43.28	
		For Clear Anodized Finish, Add	36.07	
		For Color Anodized Finish, Add	50.49	
08 51 13 00-0098	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	979.73	113.26
		For 50% Fluoropolymer Finish (Acrynar), Add	15.82	
		For 70% Fluoropolymer Finish (Durandar), Add	47.46	
		For Clear Anodized Finish, Add	39.55	
		For Color Anodized Finish, Add	55.37	
08 51 13 00-0099	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	1,057.63	119.55
		For 50% Fluoropolymer Finish (Acrynar), Add	17.17	
		For 70% Fluoropolymer Finish (Durandar), Add	51.50	
		For Clear Anodized Finish, Add	42.92	
		For Color Anodized Finish, Add	60.09	
08 51 13 00-0100	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	1,225.42	125.84
		For 50% Fluoropolymer Finish (Acrynar), Add	20.31	
		For 70% Fluoropolymer Finish (Durandar), Add	60.94	
		For Clear Anodized Finish, Add	50.78	
		For Color Anodized Finish, Add	71.10	
08 51 13 00-0101	SF	>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	40.16	3.78
		For 50% Fluoropolymer Finish (Acrynar), Add	0.68	
		For 70% Fluoropolymer Finish (Durandar), Add	2.03	
		For Clear Anodized Finish, Add	1.69	
		For Color Anodized Finish, Add	2.37	
08 51 13 00-0102		Two Rolling Sashes, Horizontal Sliding Aluminum Windows (08 51 13 00-0086)		
08 51 13 00-0103		3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) (08 51 13 00-0102)		
08 51 13 00-0104	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	572.26	100.68
		For 50% Fluoropolymer Finish (Acrynar), Add	8.09	
		For 70% Fluoropolymer Finish (Durandar), Add	24.27	
		For Clear Anodized Finish, Add	20.22	
		For Color Anodized Finish, Add	28.31	
08 51 13 00-0105	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	654.66	106.96
		For 50% Fluoropolymer Finish (Acrynar), Add	9.53	
		For 70% Fluoropolymer Finish (Durandar), Add	28.58	
		For Clear Anodized Finish, Add	23.82	
		For Color Anodized Finish, Add	33.35	
08 51 13 00-0106	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	710.08	113.26
		For 50% Fluoropolymer Finish (Acrynar), Add	10.43	
		For 70% Fluoropolymer Finish (Durandar), Add	31.28	
		For Clear Anodized Finish, Add	26.07	
		For Color Anodized Finish, Add	36.49	
08 51 13 00-0107	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	756.53	119.55
		For 50% Fluoropolymer Finish (Acrynar), Add	11.15	
		For 70% Fluoropolymer Finish (Durandar), Add	33.44	
		For Clear Anodized Finish, Add	27.86	
		For Color Anodized Finish, Add	39.01	
08 51 13 00-0108	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	872.63	125.84
		For 50% Fluoropolymer Finish (Acrynar), Add	13.26	
		For 70% Fluoropolymer Finish (Durandar), Add	39.77	
		For Clear Anodized Finish, Add	33.14	
		For Color Anodized Finish, Add	46.40	
08 51 13 00-0109	SF	>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	28.39	3.78
		For 50% Fluoropolymer Finish (Acrynar), Add	0.44	
		For 70% Fluoropolymer Finish (Durandar), Add	1.33	
		For Clear Anodized Finish, Add	1.10	
		For Color Anodized Finish, Add	1.55	
08 51 13 00-0110		Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0086)		
08 51 13 00-0111		4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) (08 51 13 00-0110)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0112	EA		Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,423.91	100.68
			For 50% Fluoropolymer Finish (Acrynar), Add	25.12	
			For 70% Fluoropolymer Finish (Duranar), Add	75.37	
			For Clear Anodized Finish, Add	62.81	
			For Color Anodized Finish, Add	87.93	
08 51 13 00-0113	EA		>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,638.87	116.40
			For 50% Fluoropolymer Finish (Acrynar), Add	28.90	
			For 70% Fluoropolymer Finish (Duranar), Add	86.69	
			For Clear Anodized Finish, Add	72.24	
			For Color Anodized Finish, Add	101.14	
08 51 13 00-0114	EA		>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,770.70	122.70
			For 50% Fluoropolymer Finish (Acrynar), Add	31.32	
			For 70% Fluoropolymer Finish (Duranar), Add	93.97	
			For Clear Anodized Finish, Add	78.31	
			For Color Anodized Finish, Add	109.63	
08 51 13 00-0115	EA		>24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	2,138.48	138.42
			For 50% Fluoropolymer Finish (Acrynar), Add	38.16	
			For 70% Fluoropolymer Finish (Duranar), Add	114.47	
			For Clear Anodized Finish, Add	95.39	
			For Color Anodized Finish, Add	133.54	
08 51 13 00-0116	EA		>40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	2,468.80	157.30
			For 50% Fluoropolymer Finish (Acrynar), Add	44.13	
			For 70% Fluoropolymer Finish (Duranar), Add	132.40	
			For Clear Anodized Finish, Add	110.33	
			For Color Anodized Finish, Add	154.46	
08 51 13 00-0117	SF		>60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	43.06	3.78
			For 50% Fluoropolymer Finish (Acrynar), Add	0.74	
			For 70% Fluoropolymer Finish (Duranar), Add	2.21	
			For Clear Anodized Finish, Add	1.84	
			For Color Anodized Finish, Add	2.57	
08 51 13 00-0118			<b>Fixed Aluminum Windows</b> (08 51 13 00-0001)		
08 51 13 00-0119			<b>2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)</b> (08 51 13 00-0118)		
08 51 13 00-0120	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	408.23	100.68
			For 50% Fluoropolymer Finish (Acrynar), Add	4.81	
			For 70% Fluoropolymer Finish (Duranar), Add	14.43	
			For Clear Anodized Finish, Add	12.02	
			For Color Anodized Finish, Add	16.83	
08 51 13 00-0121	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	463.66	106.96
			For 50% Fluoropolymer Finish (Acrynar), Add	5.71	
			For 70% Fluoropolymer Finish (Duranar), Add	17.12	
			For Clear Anodized Finish, Add	14.27	
			For Color Anodized Finish, Add	19.98	
08 51 13 00-0122	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	489.87	113.26
			For 50% Fluoropolymer Finish (Acrynar), Add	6.02	
			For 70% Fluoropolymer Finish (Duranar), Add	18.07	
			For Clear Anodized Finish, Add	15.06	
			For Color Anodized Finish, Add	21.08	
08 51 13 00-0123	EA		>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	516.09	119.55
			For 50% Fluoropolymer Finish (Acrynar), Add	6.34	
			For 70% Fluoropolymer Finish (Duranar), Add	19.01	
			For Clear Anodized Finish, Add	15.84	
			For Color Anodized Finish, Add	22.18	
08 51 13 00-0124	EA		>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	672.64	125.84
			For 50% Fluoropolymer Finish (Acrynar), Add	9.26	
			For 70% Fluoropolymer Finish (Duranar), Add	27.77	
			For Clear Anodized Finish, Add	23.15	
			For Color Anodized Finish, Add	32.40	
08 51 13 00-0125	SF		>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	21.74	3.78
			For 50% Fluoropolymer Finish (Acrynar), Add	0.31	
			For 70% Fluoropolymer Finish (Duranar), Add	0.93	
			For Clear Anodized Finish, Add	0.77	
			For Color Anodized Finish, Add	1.08	
08 51 13 00-0126			<b>2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)</b> (08 51 13 00-0118)		
08 51 13 00-0127	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	507.10	100.68
			For 50% Fluoropolymer Finish (Acrynar), Add	6.79	
			For 70% Fluoropolymer Finish (Duranar), Add	20.36	
			For Clear Anodized Finish, Add	16.97	
			For Color Anodized Finish, Add	23.75	
08 51 13 00-0128	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	578.26	106.96
			For 50% Fluoropolymer Finish (Acrynar), Add	8.00	
			For 70% Fluoropolymer Finish (Duranar), Add	24.00	
			For Clear Anodized Finish, Add	20.00	
			For Color Anodized Finish, Add	28.00	
08 51 13 00-0129	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	622.45	113.26
			For 50% Fluoropolymer Finish (Acrynar), Add	8.67	
			For 70% Fluoropolymer Finish (Duranar), Add	26.02	
			For Clear Anodized Finish, Add	21.68	
			For Color Anodized Finish, Add	30.36	

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0130	EA >15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	668.89 9.39 28.18 23.48 32.87	119.55
08 51 13 00-0131	EA >20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	872.63 13.26 39.77 33.14 46.40	125.84
08 51 13 00-0132	SF >30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	28.39 0.44 1.33 1.10 1.55	3.78
<b>08 51 13 00-0133</b>	<b>3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)</b> (08 51 13 00-0118)		
08 51 13 00-0134	EA Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	439.69 5.44 16.31 13.60 19.03	100.68
08 51 13 00-0135	EA >6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	510.85 6.65 19.95 16.63 23.28	106.96
08 51 13 00-0136	EA >10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	550.54 7.24 21.71 18.09 25.32	113.26
08 51 13 00-0137	EA >15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	592.49 7.86 23.59 19.66 27.53	119.55
08 51 13 00-0138	EA >20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	784.99 11.51 34.52 28.76 40.27	125.84
08 51 13 00-0139	SF >30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	25.47 0.38 1.15 0.96 1.34	3.78
<b>08 51 13 00-0140</b>	<b>4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)</b> (08 51 13 00-0118)		
08 51 13 00-0141	EA Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	437.44 5.39 16.18 13.48 18.88	100.68
08 51 13 00-0142	EA >6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	501.86 6.47 19.41 16.18 22.65	106.96
08 51 13 00-0143	EA >10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	541.55 7.06 21.17 17.64 24.70	113.26
08 51 13 00-0144	EA >15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	583.50 7.69 23.06 19.21 26.90	119.55
08 51 13 00-0145	EA >20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	776.00 11.33 33.98 28.31 39.64	125.84
08 51 13 00-0146	SF >30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	25.18 0.38 1.13 0.94 1.32	3.78
<b>08 51 13 00-0147</b>	<b>4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL)</b> (08 51 13 00-0118)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0148	EA		Up To 6 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL).....	518.33	100.68
			For 50% Fluoropolymer Finish (Acrynar), Add	7.01	
			For 70% Fluoropolymer Finish (Duramar), Add	21.03	
			For Clear Anodized Finish, Add	17.53	
			For Color Anodized Finish, Add	24.54	
08 51 13 00-0149	EA		>6 To 10 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL).....	598.93	106.96
			For 50% Fluoropolymer Finish (Acrynar), Add	8.41	
			For 70% Fluoropolymer Finish (Duramar), Add	25.24	
			For Clear Anodized Finish, Add	21.03	
			For Color Anodized Finish, Add	29.45	
08 51 13 00-0150	EA		>10 To 15 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL).....	647.39	113.26
			For 50% Fluoropolymer Finish (Acrynar), Add	9.17	
			For 70% Fluoropolymer Finish (Duramar), Add	27.52	
			For Clear Anodized Finish, Add	22.93	
			For Color Anodized Finish, Add	32.10	
08 51 13 00-0151	EA		>15 To 20 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL).....	698.78	119.55
			For 50% Fluoropolymer Finish (Acrynar), Add	9.99	
			For 70% Fluoropolymer Finish (Duramar), Add	29.97	
			For Clear Anodized Finish, Add	24.98	
			For Color Anodized Finish, Add	34.97	
08 51 13 00-0152	EA		>20 To 30 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL).....	945.88	125.84
			For 50% Fluoropolymer Finish (Acrynar), Add	14.72	
			For 70% Fluoropolymer Finish (Duramar), Add	44.17	
			For Clear Anodized Finish, Add	36.81	
			For Color Anodized Finish, Add	51.53	
08 51 13 00-0153	SF		>30 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL).....	30.83	3.78
			For 50% Fluoropolymer Finish (Acrynar), Add	0.49	
			For 70% Fluoropolymer Finish (Duramar), Add	1.47	
			For Clear Anodized Finish, Add	1.23	
			For Color Anodized Finish, Add	1.72	
08 51 13 00-0154			Projected Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0155			Single Vent, Projected Aluminum Windows (08 51 13 00-0154)		
08 51 13 00-0156			2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0155)		
08 51 13 00-0157	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	577.21	100.68
			For 50% Fluoropolymer Finish (Acrynar), Add	8.19	
			For 70% Fluoropolymer Finish (Duramar), Add	24.57	
			For Clear Anodized Finish, Add	20.47	
			For Color Anodized Finish, Add	28.66	
08 51 13 00-0158	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	625.22	106.96
			For 50% Fluoropolymer Finish (Acrynar), Add	8.94	
			For 70% Fluoropolymer Finish (Duramar), Add	26.82	
			For Clear Anodized Finish, Add	22.35	
			For Color Anodized Finish, Add	31.29	
08 51 13 00-0159	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	680.87	113.26
			For 50% Fluoropolymer Finish (Acrynar), Add	9.84	
			For 70% Fluoropolymer Finish (Duramar), Add	29.53	
			For Clear Anodized Finish, Add	24.61	
			For Color Anodized Finish, Add	34.45	
08 51 13 00-0160	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	39.11	3.78
			For 50% Fluoropolymer Finish (Acrynar), Add	0.66	
			For 70% Fluoropolymer Finish (Duramar), Add	1.97	
			For Clear Anodized Finish, Add	1.64	
			For Color Anodized Finish, Add	2.30	
08 51 13 00-0161			2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0155)		
08 51 13 00-0162	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500).....	775.87	100.68
			For 50% Fluoropolymer Finish (Acrynar), Add	12.16	
			For 70% Fluoropolymer Finish (Duramar), Add	36.48	
			For Clear Anodized Finish, Add	30.40	
			For Color Anodized Finish, Add	42.57	
08 51 13 00-0163	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500).....	856.70	106.96
			For 50% Fluoropolymer Finish (Acrynar), Add	13.57	
			For 70% Fluoropolymer Finish (Duramar), Add	40.71	
			For Clear Anodized Finish, Add	33.92	
			For Color Anodized Finish, Add	47.49	
08 51 13 00-0164	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500).....	950.52	113.26
			For 50% Fluoropolymer Finish (Acrynar), Add	15.24	
			For 70% Fluoropolymer Finish (Duramar), Add	45.71	
			For Clear Anodized Finish, Add	38.09	
			For Color Anodized Finish, Add	53.32	
08 51 13 00-0165	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500).....	57.08	3.78
			For 50% Fluoropolymer Finish (Acrynar), Add	1.02	
			For 70% Fluoropolymer Finish (Duramar), Add	3.05	
			For Clear Anodized Finish, Add	2.54	
			For Color Anodized Finish, Add	3.55	
08 51 13 00-0166			3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0155)		

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0167	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500).....	850.39	100.68
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.65	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	40.96	
		<i>For Clear Anodized Finish, Add</i>	34.13	
		<i>For Color Anodized Finish, Add</i>	47.78	
08 51 13 00-0168	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500).....	943.48	106.96
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	15.30	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	45.91	
		<i>For Clear Anodized Finish, Add</i>	38.26	
		<i>For Color Anodized Finish, Add</i>	53.56	
08 51 13 00-0169	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500).....	1,051.64	113.26
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	17.26	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	51.77	
		<i>For Clear Anodized Finish, Add</i>	43.14	
		<i>For Color Anodized Finish, Add</i>	60.40	
08 51 13 00-0170	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500).....	63.83	3.78
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.15	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	3.45	
		<i>For Clear Anodized Finish, Add</i>	2.88	
		<i>For Color Anodized Finish, Add</i>	4.03	
08 51 13 00-0171		<b>3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)</b> (08 51 13 00-0155)		
08 51 13 00-0172	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600).....	901.71	100.68
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.68	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	44.04	
		<i>For Clear Anodized Finish, Add</i>	36.70	
		<i>For Color Anodized Finish, Add</i>	51.37	
08 51 13 00-0173	EA	>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600).....	1,003.27	106.96
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.50	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	49.50	
		<i>For Clear Anodized Finish, Add</i>	41.25	
		<i>For Color Anodized Finish, Add</i>	57.75	
08 51 13 00-0174	EA	>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600).....	1,121.30	113.26
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	18.65	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	55.95	
		<i>For Clear Anodized Finish, Add</i>	46.63	
		<i>For Color Anodized Finish, Add</i>	65.28	
08 51 13 00-0175	SF	>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600).....	68.48	3.78
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.24	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	3.73	
		<i>For Clear Anodized Finish, Add</i>	3.11	
		<i>For Color Anodized Finish, Add</i>	4.35	
08 51 13 00-0176		<b>4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)</b> (08 51 13 00-0155)		
08 51 13 00-0177	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750).....	895.08	100.68
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.55	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	43.64	
		<i>For Clear Anodized Finish, Add</i>	36.36	
		<i>For Color Anodized Finish, Add</i>	50.91	
08 51 13 00-0178	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750).....	995.57	106.96
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.35	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	49.04	
		<i>For Clear Anodized Finish, Add</i>	40.86	
		<i>For Color Anodized Finish, Add</i>	57.21	
08 51 13 00-0179	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750).....	1,112.31	113.26
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	18.47	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	55.41	
		<i>For Clear Anodized Finish, Add</i>	46.18	
		<i>For Color Anodized Finish, Add</i>	64.65	
08 51 13 00-0180	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750).....	67.87	3.78
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.23	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	3.69	
		<i>For Clear Anodized Finish, Add</i>	3.08	
		<i>For Color Anodized Finish, Add</i>	4.31	
08 51 13 00-0181		<b>Fixed Over Vent, Projected Aluminum Windows</b> (08 51 13 00-0154)		
08 51 13 00-0182		<b>2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)</b> (08 51 13 00-0181)		
08 51 13 00-0183	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250).....	794.10	100.68
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.53	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	37.58	
		<i>For Clear Anodized Finish, Add</i>	31.32	
		<i>For Color Anodized Finish, Add</i>	43.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0184	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-2400/2500)	.....	877.91	106.96
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	13.99	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	41.98	
		For Clear Anodized Finish, Add	.....	34.98	
		For Color Anodized Finish, Add	.....	48.97	
08 51 13 00-0185	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-2400/2500)	.....	975.24	113.26
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	15.73	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	47.19	
		For Clear Anodized Finish, Add	.....	39.32	
		For Color Anodized Finish, Add	.....	55.05	
08 51 13 00-0186	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-2400/2500)	.....	58.66	3.78
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	1.05	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	3.14	
		For Clear Anodized Finish, Add	.....	2.62	
		For Color Anodized Finish, Add	.....	3.67	
<b>08 51 13 00-0187 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0181)</b>					
08 51 13 00-0188	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	.....	1,108.66	100.68
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	18.82	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	56.45	
		For Clear Anodized Finish, Add	.....	47.04	
		For Color Anodized Finish, Add	.....	65.86	
08 51 13 00-0189	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	.....	1,244.38	106.96
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	21.32	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	63.97	
		For Clear Anodized Finish, Add	.....	53.31	
		For Color Anodized Finish, Add	.....	74.63	
08 51 13 00-0190	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	.....	1,402.18	113.26
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	24.27	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	72.81	
		For Clear Anodized Finish, Add	.....	60.67	
		For Color Anodized Finish, Add	.....	84.94	
08 51 13 00-0191	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	.....	87.19	3.78
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	1.62	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	4.85	
		For Clear Anodized Finish, Add	.....	4.04	
		For Color Anodized Finish, Add	.....	5.66	
<b>08 51 13 00-0192 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0181)</b>					
08 51 13 00-0193	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	.....	1,174.89	100.68
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	20.14	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	60.43	
		For Clear Anodized Finish, Add	.....	50.36	
		For Color Anodized Finish, Add	.....	70.50	
08 51 13 00-0194	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	.....	1,321.53	106.96
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	22.87	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	68.60	
		For Clear Anodized Finish, Add	.....	57.16	
		For Color Anodized Finish, Add	.....	80.03	
08 51 13 00-0195	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	.....	1,492.07	113.26
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	26.07	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	78.20	
		For Clear Anodized Finish, Add	.....	65.17	
		For Color Anodized Finish, Add	.....	91.23	
08 51 13 00-0196	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	.....	93.04	3.78
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	1.73	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	5.20	
		For Clear Anodized Finish, Add	.....	4.34	
		For Color Anodized Finish, Add	.....	6.07	
<b>08 51 13 00-0197 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0181)</b>					
08 51 13 00-0198	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	.....	1,168.28	100.68
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	20.01	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	60.03	
		For Clear Anodized Finish, Add	.....	50.02	
		For Color Anodized Finish, Add	.....	70.03	
08 51 13 00-0199	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	.....	1,313.82	106.96
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	22.71	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	68.13	
		For Clear Anodized Finish, Add	.....	56.78	
		For Color Anodized Finish, Add	.....	79.49	

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0200	EA >10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600).....	1,483.08	113.26
	For 50% Fluoropolymer Finish (Acrynar), Add	25.89	
	For 70% Fluoropolymer Finish (Duranar), Add	77.66	
	For Clear Anodized Finish, Add	64.72	
	For Color Anodized Finish, Add	90.60	
08 51 13 00-0201	SF >15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600).....	92.59	3.78
	For 50% Fluoropolymer Finish (Acrynar), Add	1.73	
	For 70% Fluoropolymer Finish (Duranar), Add	5.18	
	For Clear Anodized Finish, Add	4.31	
	For Color Anodized Finish, Add	6.04	
<b>08 51 13 00-0202</b>	<b>4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0181)</b>		
08 51 13 00-0203	EA Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750).....	1,270.93	100.68
	For 50% Fluoropolymer Finish (Acrynar), Add	22.06	
	For 70% Fluoropolymer Finish (Duranar), Add	66.19	
	For Clear Anodized Finish, Add	55.16	
	For Color Anodized Finish, Add	77.22	
08 51 13 00-0204	EA >6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750).....	1,433.41	106.96
	For 50% Fluoropolymer Finish (Acrynar), Add	25.10	
	For 70% Fluoropolymer Finish (Duranar), Add	75.31	
	For Clear Anodized Finish, Add	62.76	
	For Color Anodized Finish, Add	87.86	
08 51 13 00-0205	EA >10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750).....	1,622.40	113.26
	For 50% Fluoropolymer Finish (Acrynar), Add	28.67	
	For 70% Fluoropolymer Finish (Duranar), Add	86.02	
	For Clear Anodized Finish, Add	71.68	
	For Color Anodized Finish, Add	100.35	
08 51 13 00-0206	SF >15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750).....	101.80	3.78
	For 50% Fluoropolymer Finish (Acrynar), Add	1.91	
	For 70% Fluoropolymer Finish (Duranar), Add	5.73	
	For Clear Anodized Finish, Add	4.78	
	For Color Anodized Finish, Add	6.69	
<b>08 51 13 00-0207</b>	<b>Casement Aluminum Windows (08 51 13 00-0001)</b>		
<b>08 51 13 00-0208</b>	<b>Single Vent, Casement Aluminum Windows (08 51 13 00-0207)</b>		
<b>08 51 13 00-0209</b>	<b>2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0208)</b>		
08 51 13 00-0210	EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	658.33	100.68
	For 50% Fluoropolymer Finish (Acrynar), Add	9.81	
	For 70% Fluoropolymer Finish (Duranar), Add	29.43	
	For Clear Anodized Finish, Add	24.53	
	For Color Anodized Finish, Add	34.34	
08 51 13 00-0211	EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	719.74	106.96
	For 50% Fluoropolymer Finish (Acrynar), Add	10.83	
	For 70% Fluoropolymer Finish (Duranar), Add	32.49	
	For Clear Anodized Finish, Add	27.07	
	For Color Anodized Finish, Add	37.90	
08 51 13 00-0212	EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	790.98	113.26
	For 50% Fluoropolymer Finish (Acrynar), Add	12.04	
	For 70% Fluoropolymer Finish (Duranar), Add	36.13	
	For Clear Anodized Finish, Add	30.11	
	For Color Anodized Finish, Add	42.16	
08 51 13 00-0213	SF >15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	46.46	3.78
	For 50% Fluoropolymer Finish (Acrynar), Add	0.80	
	For 70% Fluoropolymer Finish (Duranar), Add	2.41	
	For Clear Anodized Finish, Add	2.01	
	For Color Anodized Finish, Add	2.81	
<b>08 51 13 00-0214</b>	<b>2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0208)</b>		
08 51 13 00-0215	EA Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	959.66	100.68
	For 50% Fluoropolymer Finish (Acrynar), Add	15.84	
	For 70% Fluoropolymer Finish (Duranar), Add	47.51	
	For Clear Anodized Finish, Add	39.59	
	For Color Anodized Finish, Add	55.43	
08 51 13 00-0216	EA >6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	1,070.78	106.96
	For 50% Fluoropolymer Finish (Acrynar), Add	17.85	
	For 70% Fluoropolymer Finish (Duranar), Add	53.55	
	For Clear Anodized Finish, Add	44.63	
	For Color Anodized Finish, Add	62.48	
08 51 13 00-0217	EA >10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	1,199.95	113.26
	For 50% Fluoropolymer Finish (Acrynar), Add	20.22	
	For 70% Fluoropolymer Finish (Duranar), Add	60.67	
	For Clear Anodized Finish, Add	50.56	
	For Color Anodized Finish, Add	70.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0218	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	73.71	3.78	
		For 50% Fluoropolymer Finish (Acrynar), Add	1.35		
		For 70% Fluoropolymer Finish (Duranar), Add	4.04		
		For Clear Anodized Finish, Add	3.37		
		For Color Anodized Finish, Add	4.72		
<b>08 51 13 00-0219 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0208)</b>					
08 51 13 00-0220	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	964.63	100.68	
		For 50% Fluoropolymer Finish (Acrynar), Add	15.94		
		For 70% Fluoropolymer Finish (Duranar), Add	47.81		
		For Clear Anodized Finish, Add	39.84		
		For Color Anodized Finish, Add	55.78		
08 51 13 00-0221	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	1,076.57	106.96	
		For 50% Fluoropolymer Finish (Acrynar), Add	17.97		
		For 70% Fluoropolymer Finish (Duranar), Add	53.90		
		For Clear Anodized Finish, Add	44.91		
		For Color Anodized Finish, Add	62.88		
08 51 13 00-0222	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	1,206.69	113.26	
		For 50% Fluoropolymer Finish (Acrynar), Add	20.36		
		For 70% Fluoropolymer Finish (Duranar), Add	61.08		
		For Clear Anodized Finish, Add	50.90		
		For Color Anodized Finish, Add	71.26		
08 51 13 00-0223	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	74.16	3.78	
		For 50% Fluoropolymer Finish (Acrynar), Add	1.36		
		For 70% Fluoropolymer Finish (Duranar), Add	4.07		
		For Clear Anodized Finish, Add	3.39		
		For Color Anodized Finish, Add	4.75		
<b>08 51 13 00-0224 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0208)</b>					
08 51 13 00-0225	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	1,015.95	100.68	
		For 50% Fluoropolymer Finish (Acrynar), Add	16.96		
		For 70% Fluoropolymer Finish (Duranar), Add	50.89		
		For Clear Anodized Finish, Add	42.41		
		For Color Anodized Finish, Add	59.37		
08 51 13 00-0226	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	1,136.37	106.96	
		For 50% Fluoropolymer Finish (Acrynar), Add	19.16		
		For 70% Fluoropolymer Finish (Duranar), Add	57.49		
		For Clear Anodized Finish, Add	47.90		
		For Color Anodized Finish, Add	67.07		
08 51 13 00-0227	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	1,276.35	113.26	
		For 50% Fluoropolymer Finish (Acrynar), Add	21.75		
		For 70% Fluoropolymer Finish (Duranar), Add	65.26		
		For Clear Anodized Finish, Add	54.38		
		For Color Anodized Finish, Add	76.13		
08 51 13 00-0228	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	78.81	3.78	
		For 50% Fluoropolymer Finish (Acrynar), Add	1.45		
		For 70% Fluoropolymer Finish (Duranar), Add	4.35		
		For Clear Anodized Finish, Add	3.63		
		For Color Anodized Finish, Add	5.08		
<b>08 51 13 00-0229 Fixed Over Vent, Casement Aluminum Windows (08 51 13 00-0207)</b>					
<b>08 51 13 00-0230 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0229)</b>					
08 51 13 00-0231	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	749.39	100.68	
		For 50% Fluoropolymer Finish (Acrynar), Add	11.63		
		For 70% Fluoropolymer Finish (Duranar), Add	34.90		
		For Clear Anodized Finish, Add	29.08		
		For Color Anodized Finish, Add	40.71		
08 51 13 00-0232	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	825.82	106.96	
		For 50% Fluoropolymer Finish (Acrynar), Add	12.95		
		For 70% Fluoropolymer Finish (Duranar), Add	38.85		
		For Clear Anodized Finish, Add	32.38		
		For Color Anodized Finish, Add	45.33		
08 51 13 00-0233	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	914.57	113.26	
		For 50% Fluoropolymer Finish (Acrynar), Add	14.52		
		For 70% Fluoropolymer Finish (Duranar), Add	43.55		
		For Clear Anodized Finish, Add	36.29		
		For Color Anodized Finish, Add	50.81		
08 51 13 00-0234	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	54.68	3.78	
		For 50% Fluoropolymer Finish (Acrynar), Add	0.97		
		For 70% Fluoropolymer Finish (Duranar), Add	2.90		
		For Clear Anodized Finish, Add	2.42		
		For Color Anodized Finish, Add	3.39		

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0235		<b>2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)</b> (08 51 13 00-0229)		
08 51 13 00-0236	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200).....	1,050.71	100.68
		For 50% Fluoropolymer Finish (Acrynar), Add	17.66	
		For 70% Fluoropolymer Finish (Durandar), Add	52.98	
		For Clear Anodized Finish, Add	44.15	
		For Color Anodized Finish, Add	61.80	
08 51 13 00-0237	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200).....	1,176.86	106.96
		For 50% Fluoropolymer Finish (Acrynar), Add	19.97	
		For 70% Fluoropolymer Finish (Durandar), Add	59.91	
		For Clear Anodized Finish, Add	49.93	
		For Color Anodized Finish, Add	69.90	
08 51 13 00-0238	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200).....	1,323.54	113.26
		For 50% Fluoropolymer Finish (Acrynar), Add	22.70	
		For 70% Fluoropolymer Finish (Durandar), Add	68.09	
		For Clear Anodized Finish, Add	56.74	
		For Color Anodized Finish, Add	79.43	
08 51 13 00-0239	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200).....	81.96	3.78
		For 50% Fluoropolymer Finish (Acrynar), Add	1.51	
		For 70% Fluoropolymer Finish (Durandar), Add	4.54	
		For Clear Anodized Finish, Add	3.78	
		For Color Anodized Finish, Add	5.30	
08 51 13 00-0240		<b>3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)</b> (08 51 13 00-0229)		
08 51 13 00-0241	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200).....	1,161.65	100.68
		For 50% Fluoropolymer Finish (Acrynar), Add	19.88	
		For 70% Fluoropolymer Finish (Durandar), Add	59.63	
		For Clear Anodized Finish, Add	49.69	
		For Color Anodized Finish, Add	69.57	
08 51 13 00-0242	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200).....	1,306.11	106.96
		For 50% Fluoropolymer Finish (Acrynar), Add	22.56	
		For 70% Fluoropolymer Finish (Durandar), Add	67.67	
		For Clear Anodized Finish, Add	56.39	
		For Color Anodized Finish, Add	78.95	
08 51 13 00-0243	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200).....	1,474.09	113.26
		For 50% Fluoropolymer Finish (Acrynar), Add	25.71	
		For 70% Fluoropolymer Finish (Durandar), Add	77.12	
		For Clear Anodized Finish, Add	64.27	
		For Color Anodized Finish, Add	89.97	
08 51 13 00-0244	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200).....	91.98	3.78
		For 50% Fluoropolymer Finish (Acrynar), Add	1.71	
		For 70% Fluoropolymer Finish (Durandar), Add	5.14	
		For Clear Anodized Finish, Add	4.28	
		For Color Anodized Finish, Add	6.00	
08 51 13 00-0245		<b>4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)</b> (08 51 13 00-0229)		
08 51 13 00-0246	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....	1,262.63	100.68
		For 50% Fluoropolymer Finish (Acrynar), Add	21.90	
		For 70% Fluoropolymer Finish (Durandar), Add	65.69	
		For Clear Anodized Finish, Add	54.74	
		For Color Anodized Finish, Add	76.64	
08 51 13 00-0247	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....	1,423.77	106.96
		For 50% Fluoropolymer Finish (Acrynar), Add	24.91	
		For 70% Fluoropolymer Finish (Durandar), Add	74.73	
		For Clear Anodized Finish, Add	62.27	
		For Color Anodized Finish, Add	87.18	
08 51 13 00-0248	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....	1,611.16	113.26
		For 50% Fluoropolymer Finish (Acrynar), Add	28.45	
		For 70% Fluoropolymer Finish (Durandar), Add	85.34	
		For Clear Anodized Finish, Add	71.12	
		For Color Anodized Finish, Add	99.57	
08 51 13 00-0249	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....	101.13	3.78
		For 50% Fluoropolymer Finish (Acrynar), Add	1.90	
		For 70% Fluoropolymer Finish (Durandar), Add	5.69	
		For Clear Anodized Finish, Add	4.74	
		For Color Anodized Finish, Add	6.64	
08 51 13 00-0250		<b>Aluminum Window Accessories</b> (08 51 13)		
08 51 13 00-0251		<b>Aluminum Window Mullions</b> (08 51 13 00-0250)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0252	LF	Integral Mullions For Aluminum Windows ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	23.04 0.29 0.86 0.72 1.00	4.71
<b>08 51 13 00-0253 Aluminum Window Panning</b> (08 51 13 00-0250)					
Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.					
08 51	13 00-0254	EA	Up To 6 SF Window, Aluminum Window Panning ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	240.12 3.39 10.17 8.48 11.87	42.34
08 51	13 00-0255	EA	>6 To 10 SF Window, Aluminum Window Panning..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	336.19 4.37 13.11 10.93 15.30	70.57
08 51	13 00-0256	EA	>10 To 15 SF Window, Aluminum Window Panning..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	415.44 4.78 14.34 11.95 16.73	105.86
08 51	13 00-0257	EA	>15 To 20 SF Window, Aluminum Window Panning..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	498.76 5.27 15.81 13.18 18.45	141.14
08 51	13 00-0258	EA	>20 To 30 SF Window, Aluminum Window Panning..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	663.36 6.21 18.63 15.53 21.74	211.71
08 51	13 00-0259	SF	>30 SF Window, Aluminum Window Panning..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	24.40 0.19 0.58 0.49 0.68	8.83
<b>08 51 13 00-0260 Aluminum Window Muntins, Grilles Or Dividers</b> (08 51 13 00-0250)					
08 51	13 00-0261	SF	Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	7.22 0.02 0.06 0.05 0.06	4.71
08 51	13 00-0262	SF	Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	9.87 0.07 0.21 0.18 0.25	4.71
08 51	13 00-0263	SF	Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	20.85 0.10 0.31 0.26 0.36	4.71
08 51	13 00-0264	SF	True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	24.98 0.14 0.43 0.36 0.50	4.71
<b>08 51 13 00-0265 Other Aluminum Window Accessories</b> (08 51 13 00-0250)					
08 51	13 00-0266	EA	Roto Operator For Casement Aluminum Windows .....	182.34	20.96
08 51	13 00-0267	EA	Head And Sill Automatic Locks For Hung Aluminum Windows.....	92.46	20.96
<b>08 51 19 Stainless-Steel Windows</b> (08 51)					
See CSI section 08 80 00 00-0000 for glazing.					
<b>08 51 19 00-0001 Stainless Steel Windows Types</b> (08 51 19)					
<b>08 51 19 00-0002 Industrial</b> (08 51 19 00-0001)					
08 51	19 00-0003	SF	Stainless Steel Window With Horizontal Pivot Sash .....	83.82	6.30
08 51	19 00-0004	SF	Stainless Steel Window, Fixed Sash.....	63.13	6.30
<b>08 51 19 00-0005 Projected Sash</b> (08 51 19 00-0001)					
08 51	19 00-0006	SF	Commercial Projected Sash Window - 40% Vented Stainless Steel.....	87.69	6.30
08 51	19 00-0007	SF	Intermediate Projected Sash Window - 40% Vented Stainless Steel.....	96.84	6.30
<b>08 51 19 00-0008 Other Type Sash</b> (08 51 19 00-0001)					
08 51	19 00-0009	SF	Double Hung Stainless Steel Window Sash.....	105.96	6.30
08 51	19 00-0010	SF	Single Hung Stainless Steel Window Sash .....	74.87	6.30
08 51	19 00-0011	SF	Stainless Steel Picture Window Sash .....	62.52	6.30

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 51 19 00-0012	SF	Sliding Stainless Steel Window.....	109.31	6.30
<b>08 51 19 00-0013</b>		<b>Casements</b> (08 51 19 00-0001)		
08 51 19 00-0014	SF	Stainless Steel Window Casements, 100% Vented Operable, Factory Primed.....	94.94	6.30
08 51 19 00-0015	SF	Stainless Steel Window Casements, 50% Vented Operable, Factory Primed.....	82.07	6.30
08 51 19 00-0016	SF	Stainless Steel Window Casements, Fixed Sash, Factory Primed.....	57.80	6.30
<b>08 51 23</b>		<b>Steel Windows</b> (08 51)		
Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.				
<b>08 51 23 00-0001</b>		<b>Steel Windows</b> (08 51 23)		
<b>08 51 23 00-0002</b>		<b>Industrial</b> (08 51 23 00-0001)		
08 51 23 00-0003	SF	Industrial Steel Window With Horizontal Pivot Sash.....	44.33	6.30
08 51 23 00-0004	SF	Industrial Steel Window, Fixed Sash.....	39.99	6.30
08 51 23 00-0005	SF	Industrial Steel Window, Operable Security Sash.....	62.11	6.30
08 51 23 00-0006	SF	Industrial Steel Window, Fixed Security Sash.....	53.44	6.30
<b>08 51 23 00-0007</b>		<b>Projected Sash</b> (08 51 23 00-0001)		
08 51 23 00-0008	SF	Commercial Projected Sash Window - 40% Vented Steel.....	50.79	6.30
08 51 23 00-0009	SF	Intermediate Projected Sash Window - 40% Vented Steel.....	55.56	6.30
<b>08 51 23 00-0010</b>		<b>Other Type Sash</b> (08 51 23 00-0001)		
08 51 23 00-0011	SF	Double Hung Steel Window Sash.....	63.98	6.30
08 51 23 00-0012	SF	Steel Picture Window Sash.....	30.02	6.30
08 51 23 00-0013	SF	Fire Rated Double Hung Steel Window Sash.....	65.86	7.87
08 51 23 00-0014	SF	Single Hung Steel Window Sash.....	46.57	6.30
<b>08 51 23 00-0015</b>		<b>Casements</b> (08 51 23 00-0001)		
08 51 23 00-0016	SF	Steel Window Casements, 100% Vented Operable, Factory Primed.....	57.82	3.14
08 51 23 00-0017	SF	Steel Window Casements, 50% Vented Operable, Factory Primed.....	50.61	3.14
08 51 23 00-0018	SF	Steel Window Casements, Fixed Sash, Factory Primed.....	37.00	4.71
<b>08 51 23 00-0019</b>		<b>Mullions</b> (08 51 23 00-0001)		
08 51 23 00-0020	LF	Open Faced Steel Mullion.....	23.03	4.71
08 51 23 00-0021	LF	Covered Steel Mullions.....	36.66	4.71
<b>08 51 23 00-0022</b>		<b>Removal And Reinstallation Of Metal Window And Frame</b> (08 51 23)		
Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.				
08 51 23 00-0023	SF	Removal And Reinstallation Of Metal Window And Frame.....	16.14	
<b>08 51 69</b>		<b>Metal Storm Windows</b> (08 51)		
<b>08 51 69 00-0001</b>		<b>Storm Windows</b> (08 51 69)		
08 51 69 00-0002	SF	Double Hung, Aluminum, Combination Storm And Screen.....	29.93	3.14
<b>08 52</b>		<b>Wood Windows</b> (08 50)		
<b>08 52 11</b>		<b>Wood Windows</b> (08 52)		
<b>08 52 11 00-0001</b>		<b>Sash-Only Replacement Kits For Double Hung Wood Windows</b> (08 52 11)		
Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.				
<b>08 52 11 00-0002</b>		<b>30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> (08 52 11 00-0001)		
08 52 11 00-0003	EA	20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	271.11	
		For Low-E Insulated Glass, Add	20.28	
		For Aluminum Clad Exterior, Add	21.73	
08 52 11 00-0004	EA	24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	287.40	
		For Low-E Insulated Glass, Add	21.74	
		For Aluminum Clad Exterior, Add	23.29	
08 52 11 00-0005	EA	28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	304.74	
		For Low-E Insulated Glass, Add	23.34	
		For Aluminum Clad Exterior, Add	25.01	
08 52 11 00-0006	EA	30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	313.92	
		For Low-E Insulated Glass, Add	24.22	
		For Aluminum Clad Exterior, Add	25.95	
08 52 11 00-0007	EA	32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	322.06	
		For Low-E Insulated Glass, Add	24.95	
		For Aluminum Clad Exterior, Add	26.73	
08 52 11 00-0008	EA	34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	332.30	
		For Low-E Insulated Glass, Add	25.97	
		For Aluminum Clad Exterior, Add	27.82	
08 52 11 00-0009	EA	36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	337.35	
		For Low-E Insulated Glass, Add	26.26	
		For Aluminum Clad Exterior, Add	28.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0010	EA		40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	357.78 28.30 30.32	
08 52 11 00-0011	EA		44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	375.11 29.91 32.04	
<b>08 52 11 00-0012</b>			<b>34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0013	EA		20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	287.40 21.74 23.29	
08 52 11 00-0014	EA		24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	304.74 23.34 25.01	
08 52 11 00-0015	EA		28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	319.13 24.95 26.73	
08 52 11 00-0016	EA		30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	332.30 25.97 27.82	
08 52 11 00-0017	EA		32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	340.44 26.70 28.60	
08 52 11 00-0018	EA		34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	349.64 27.57 29.54	
08 52 11 00-0019	EA		36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	357.78 28.30 30.32	
08 52 11 00-0020	EA		40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	375.11 29.91 32.04	
08 52 11 00-0021	EA		44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	392.45 31.51 33.76	
<b>08 52 11 00-0022</b>			<b>36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0023	EA		20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	295.12 22.61 24.23	
08 52 11 00-0024	EA		24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	312.45 24.22 25.95	
08 52 11 00-0025	EA		28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	330.83 25.97 27.82	
08 52 11 00-0026	EA		30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	338.98 26.70 28.60	
08 52 11 00-0027	EA		32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	348.17 27.57 29.54	
08 52 11 00-0028	EA		34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	356.32 28.30 30.32	
08 52 11 00-0029	EA		36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	365.50 29.18 31.26	
08 52 11 00-0030	EA		40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	381.79 30.64 32.82	
08 52 11 00-0031	EA		44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	399.13 32.24 34.54	
<b>08 52 11 00-0032</b>			<b>38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0033	EA		20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	306.20 23.34 25.01	
08 52 11 00-0034	EA		24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	323.54 24.95 26.73	
08 52 11 00-0035	EA		28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	341.91 26.70 28.60	
08 52 11 00-0036	EA		30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	351.11 27.57 29.54	
08 52 11 00-0037	EA		32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	359.25 28.30 30.32	
08 52 11 00-0038	EA		34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	368.44 29.18 31.26	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 52 11 00-0039	EA 36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	376.58 29.91 32.04	
08 52 11 00-0040	EA 40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	393.92 31.51 33.76	
08 52 11 00-0041	EA 44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	411.25 33.12 35.48	
<b>08 52 11 00-0042</b>	<b>46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0043	EA 20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	340.44 26.70 28.60	
08 52 11 00-0044	EA 24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	357.78 28.30 30.32	
08 52 11 00-0045	EA 28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	375.11 29.91 32.04	
08 52 11 00-0046	EA 30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	383.27 30.64 32.82	
08 52 11 00-0047	EA 32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	392.45 31.51 33.76	
08 52 11 00-0048	EA 34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	400.60 32.24 34.54	
08 52 11 00-0049	EA 36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	409.78 33.12 35.48	
08 52 11 00-0050	EA 40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	427.12 34.72 37.20	
08 52 11 00-0051	EA 44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	445.50 36.47 39.08	
<b>08 52 11 00-0052</b>	<b>48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0053	EA 20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	348.17 27.57 29.54	
08 52 11 00-0054	EA 24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	365.50 29.18 31.26	
08 52 11 00-0055	EA 28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	381.79 30.64 32.82	
08 52 11 00-0056	EA 30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	390.99 31.51 33.76	
08 52 11 00-0057	EA 32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	399.13 32.24 34.54	
08 52 11 00-0058	EA 34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	408.32 33.12 35.48	
08 52 11 00-0059	EA 36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	416.46 33.85 36.26	
08 52 11 00-0060	EA 40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	434.84 35.60 38.14	
08 52 11 00-0061	EA 44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	452.18 37.20 39.86	
<b>08 52 11 00-0062</b>	<b>50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0063	EA 20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	359.25 28.30 30.32	
08 52 11 00-0064	EA 24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	376.58 29.91 32.04	
08 52 11 00-0065	EA 28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	393.92 31.51 33.76	
08 52 11 00-0066	EA 30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	402.07 32.24 34.54	
08 52 11 00-0067	EA 32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	411.25 33.12 35.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0068	EA		34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	419.40	
			<i>For Low-E Insulated Glass, Add</i>	33.85	
			<i>For Aluminum Clad Exterior, Add</i>	36.26	
08 52 11 00-0069	EA		36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	428.59	
			<i>For Low-E Insulated Glass, Add</i>	34.72	
			<i>For Aluminum Clad Exterior, Add</i>	37.20	
08 52 11 00-0070	EA		40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	446.97	
			<i>For Low-E Insulated Glass, Add</i>	36.47	
			<i>For Aluminum Clad Exterior, Add</i>	39.08	
08 52 11 00-0071	EA		44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	464.30	
			<i>For Low-E Insulated Glass, Add</i>	38.08	
			<i>For Aluminum Clad Exterior, Add</i>	40.80	
<b>08 52 11 00-0072</b>			<b>54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0073	EA		20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	376.58	
			<i>For Low-E Insulated Glass, Add</i>	29.91	
			<i>For Aluminum Clad Exterior, Add</i>	32.04	
08 52 11 00-0074	EA		24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	393.92	
			<i>For Low-E Insulated Glass, Add</i>	31.51	
			<i>For Aluminum Clad Exterior, Add</i>	33.76	
08 52 11 00-0075	EA		28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	411.25	
			<i>For Low-E Insulated Glass, Add</i>	33.12	
			<i>For Aluminum Clad Exterior, Add</i>	35.48	
08 52 11 00-0076	EA		30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	419.40	
			<i>For Low-E Insulated Glass, Add</i>	33.85	
			<i>For Aluminum Clad Exterior, Add</i>	36.26	
08 52 11 00-0077	EA		32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	428.59	
			<i>For Low-E Insulated Glass, Add</i>	34.72	
			<i>For Aluminum Clad Exterior, Add</i>	37.20	
08 52 11 00-0078	EA		34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	437.78	
			<i>For Low-E Insulated Glass, Add</i>	35.60	
			<i>For Aluminum Clad Exterior, Add</i>	38.14	
08 52 11 00-0079	EA		36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	446.97	
			<i>For Low-E Insulated Glass, Add</i>	36.47	
			<i>For Aluminum Clad Exterior, Add</i>	39.08	
08 52 11 00-0080	EA		40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	464.30	
			<i>For Low-E Insulated Glass, Add</i>	38.08	
			<i>For Aluminum Clad Exterior, Add</i>	40.80	
08 52 11 00-0081	EA		44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	481.64	
			<i>For Low-E Insulated Glass, Add</i>	39.68	
			<i>For Aluminum Clad Exterior, Add</i>	42.52	
<b>08 52 11 00-0082</b>			<b>58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0083	EA		20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	392.45	
			<i>For Low-E Insulated Glass, Add</i>	31.51	
			<i>For Aluminum Clad Exterior, Add</i>	33.76	
08 52 11 00-0084	EA		24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	409.78	
			<i>For Low-E Insulated Glass, Add</i>	33.12	
			<i>For Aluminum Clad Exterior, Add</i>	35.48	
08 52 11 00-0085	EA		28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	427.12	
			<i>For Low-E Insulated Glass, Add</i>	34.72	
			<i>For Aluminum Clad Exterior, Add</i>	37.20	
08 52 11 00-0086	EA		30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	436.31	
			<i>For Low-E Insulated Glass, Add</i>	35.60	
			<i>For Aluminum Clad Exterior, Add</i>	38.14	
08 52 11 00-0087	EA		32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	445.50	
			<i>For Low-E Insulated Glass, Add</i>	36.47	
			<i>For Aluminum Clad Exterior, Add</i>	39.08	
08 52 11 00-0088	EA		34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	453.65	
			<i>For Low-E Insulated Glass, Add</i>	37.20	
			<i>For Aluminum Clad Exterior, Add</i>	39.86	
08 52 11 00-0089	EA		36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	462.83	
			<i>For Low-E Insulated Glass, Add</i>	38.08	
			<i>For Aluminum Clad Exterior, Add</i>	40.80	
08 52 11 00-0090	EA		40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	480.17	
			<i>For Low-E Insulated Glass, Add</i>	39.68	
			<i>For Aluminum Clad Exterior, Add</i>	42.52	
08 52 11 00-0091	EA		44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	496.47	
			<i>For Low-E Insulated Glass, Add</i>	41.14	
			<i>For Aluminum Clad Exterior, Add</i>	44.08	
<b>08 52 11 00-0092</b>			<b>60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0093	EA		20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	399.13	
			<i>For Low-E Insulated Glass, Add</i>	32.24	
			<i>For Aluminum Clad Exterior, Add</i>	34.54	
08 52 11 00-0094	EA		24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	416.46	
			<i>For Low-E Insulated Glass, Add</i>	33.85	
			<i>For Aluminum Clad Exterior, Add</i>	36.26	
08 52 11 00-0095	EA		28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	434.84	
			<i>For Low-E Insulated Glass, Add</i>	35.60	
			<i>For Aluminum Clad Exterior, Add</i>	38.14	
08 52 11 00-0096	EA		30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	444.03	
			<i>For Low-E Insulated Glass, Add</i>	36.47	
			<i>For Aluminum Clad Exterior, Add</i>	39.08	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0097	EA		32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	452.18 37.20 39.86	
08 52 11 00-0098	EA		34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	461.36 38.08 40.80	
08 52 11 00-0099	EA		36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	469.51 38.81 41.58	
08 52 11 00-0100	EA		40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	486.85 40.41 43.30	
08 52 11 00-0101	EA		44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	504.19 42.02 45.02	
<b>08 52 11 00-0102</b>			<b>62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0103	EA		20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	411.25 33.12 35.48	
08 52 11 00-0104	EA		24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	428.59 34.72 37.20	
08 52 11 00-0105	EA		28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	446.97 36.47 39.08	
08 52 11 00-0106	EA		30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	455.11 37.20 39.86	
08 52 11 00-0107	EA		32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	464.30 38.08 40.80	
08 52 11 00-0108	EA		34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	472.44 38.81 41.58	
08 52 11 00-0109	EA		36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	481.64 39.68 42.52	
08 52 11 00-0110	EA		40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	497.94 41.14 44.08	
08 52 11 00-0111	EA		44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	515.27 42.74 45.80	
<b>08 52 11 00-0112</b>			<b>66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0113	EA		20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	428.59 34.72 37.20	
08 52 11 00-0114	EA		24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	446.97 36.47 39.08	
08 52 11 00-0115	EA		28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	464.30 38.08 40.80	
08 52 11 00-0116	EA		30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	472.44 38.81 41.58	
08 52 11 00-0117	EA		32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	481.64 39.68 42.52	
08 52 11 00-0118	EA		34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	489.78 40.41 43.30	
08 52 11 00-0119	EA		36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	497.94 41.14 44.08	
08 52 11 00-0120	EA		40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	515.27 42.74 45.80	
08 52 11 00-0121	EA		44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	532.60 44.35 47.52	
<b>08 52 11 00-0122</b>			<b>70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0123	EA		20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	445.50 36.47 39.08	
08 52 11 00-0124	EA		24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	462.83 38.08 40.80	
08 52 11 00-0125	EA		28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	480.17 39.68 42.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0126	EA		30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	488.32	
			<i>For Low-E Insulated Glass, Add</i>	40.41	
			<i>For Aluminum Clad Exterior, Add</i>	43.30	
08 52 11 00-0127	EA		32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	496.47	
			<i>For Low-E Insulated Glass, Add</i>	41.14	
			<i>For Aluminum Clad Exterior, Add</i>	44.08	
08 52 11 00-0128	EA		34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	508.75	
			<i>For Low-E Insulated Glass, Add</i>	42.45	
			<i>For Aluminum Clad Exterior, Add</i>	45.48	
08 52 11 00-0129	EA		36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	514.89	
			<i>For Low-E Insulated Glass, Add</i>	42.90	
			<i>For Aluminum Clad Exterior, Add</i>	45.96	
08 52 11 00-0130	EA		40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	531.13	
			<i>For Low-E Insulated Glass, Add</i>	44.35	
			<i>For Aluminum Clad Exterior, Add</i>	47.52	
08 52 11 00-0131	EA		44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	549.50	
			<i>For Low-E Insulated Glass, Add</i>	46.10	
			<i>For Aluminum Clad Exterior, Add</i>	49.39	
<b>08 52 11 00-0132</b>			<b>74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0133	EA		20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	464.30	
			<i>For Low-E Insulated Glass, Add</i>	38.08	
			<i>For Aluminum Clad Exterior, Add</i>	40.80	
08 52 11 00-0134	EA		24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	481.64	
			<i>For Low-E Insulated Glass, Add</i>	39.68	
			<i>For Aluminum Clad Exterior, Add</i>	42.52	
08 52 11 00-0135	EA		28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	497.94	
			<i>For Low-E Insulated Glass, Add</i>	41.14	
			<i>For Aluminum Clad Exterior, Add</i>	44.08	
08 52 11 00-0136	EA		30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	507.12	
			<i>For Low-E Insulated Glass, Add</i>	42.02	
			<i>For Aluminum Clad Exterior, Add</i>	45.02	
08 52 11 00-0137	EA		32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	515.27	
			<i>For Low-E Insulated Glass, Add</i>	42.74	
			<i>For Aluminum Clad Exterior, Add</i>	45.80	
08 52 11 00-0138	EA		34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	524.45	
			<i>For Low-E Insulated Glass, Add</i>	43.62	
			<i>For Aluminum Clad Exterior, Add</i>	46.74	
08 52 11 00-0139	EA		36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	532.60	
			<i>For Low-E Insulated Glass, Add</i>	44.35	
			<i>For Aluminum Clad Exterior, Add</i>	47.52	
08 52 11 00-0140	EA		40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	550.98	
			<i>For Low-E Insulated Glass, Add</i>	46.10	
			<i>For Aluminum Clad Exterior, Add</i>	49.39	
08 52 11 00-0141	EA		44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	568.32	
			<i>For Low-E Insulated Glass, Add</i>	47.71	
			<i>For Aluminum Clad Exterior, Add</i>	51.11	
<b>08 52 11 00-0142</b>			<b>78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0143	EA		20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	487.52	
			<i>For Low-E Insulated Glass, Add</i>	39.68	
			<i>For Aluminum Clad Exterior, Add</i>	42.52	
08 52 11 00-0144	EA		24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	503.81	
			<i>For Low-E Insulated Glass, Add</i>	41.14	
			<i>For Aluminum Clad Exterior, Add</i>	44.08	
08 52 11 00-0145	EA		28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	521.14	
			<i>For Low-E Insulated Glass, Add</i>	42.74	
			<i>For Aluminum Clad Exterior, Add</i>	45.80	
08 52 11 00-0146	EA		30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	530.32	
			<i>For Low-E Insulated Glass, Add</i>	43.62	
			<i>For Aluminum Clad Exterior, Add</i>	46.74	
08 52 11 00-0147	EA		32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	538.48	
			<i>For Low-E Insulated Glass, Add</i>	44.35	
			<i>For Aluminum Clad Exterior, Add</i>	47.52	
08 52 11 00-0148	EA		34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	547.66	
			<i>For Low-E Insulated Glass, Add</i>	45.22	
			<i>For Aluminum Clad Exterior, Add</i>	48.45	
08 52 11 00-0149	EA		36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	556.85	
			<i>For Low-E Insulated Glass, Add</i>	46.10	
			<i>For Aluminum Clad Exterior, Add</i>	49.39	
08 52 11 00-0150	EA		40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	574.19	
			<i>For Low-E Insulated Glass, Add</i>	47.71	
			<i>For Aluminum Clad Exterior, Add</i>	51.11	
08 52 11 00-0151	EA		44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	591.52	
			<i>For Low-E Insulated Glass, Add</i>	49.31	
			<i>For Aluminum Clad Exterior, Add</i>	52.83	
<b>08 52 11 00-0152</b>			<b>Commercial And Institutional Heavy Double Hung Windows</b>		
			<small>(08 52 11)</small>		
			Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0153	SF		Up To 21 SF Double Hung Wood Window With True Divided Lite	90.29	13.11
			<i>For Insulating Glass, Add</i>	5.45	
08 52 11 00-0154	SF		21 To 40 SF Double Hung Wood Window With True Divided Lite	86.50	14.58
			<i>For Insulating Glass, Add</i>	4.88	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0155	SF		40 SF And Over Double Hung Wood Window With True Divided Lite <i>For Insulating Glass, Add</i>	83.26 4.29	16.36
<b>08 52 11 00-0156</b>			<b>Architectural And Historic Reproduction Wood Windows</b> (08 52 11) Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0157	SF		Up To 21 SF Architectural And Historic Reproduction Wood Window <i>For Insulating Glass, Add</i>	97.04 6.02	13.10
08 52 11 00-0158	SF		21 To 40 SF Architectural And Historic Reproduction Wood Window <i>For Insulating Glass, Add</i>	90.15 5.19	14.57
08 52 11 00-0159	SF		40 SF And Over Architectural And Historic Reproduction Wood Window <i>For Insulating Glass, Add</i>	85.39 4.47	16.35
<b>08 52 11 00-0160</b>			<b>Removal And Reinstallation Of Wood Window And Frame</b> (08 52 11) Note: Includes storage, cleaning and supply materials.		
08 52 11 00-0161	SF		Removal And Reinstallation Of Wood Windows And Frames	32.39	
<b>08 52 16</b>			<b>Plastic-Clad Wood Windows</b> (08 52)		
<b>08 52 16 00-0001</b>			<b>Double Hung Wood Clad Windows</b> (08 52 16) Note: Double hung windows feature two movable sashes that operate vertically and open independently.		
<b>08 52 16 00-0002</b>			<b>Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0001) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0003</b>			<b>35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0002)		
08 52 16 00-0004	EA		23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series) <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	341.46 29.40 49.00	48.24
08 52 16 00-0005	EA		27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series) <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	361.55 31.30 52.17	50.34
08 52 16 00-0006	EA		31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series) <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	380.30 33.05 55.09	52.43
08 52 16 00-0007	EA		35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series) <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	399.06 34.80 58.00	54.53
<b>08 52 16 00-0008</b>			<b>41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0002)		
08 52 16 00-0009	EA		23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series) <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	370.26 32.10 53.50	51.39
08 52 16 00-0010	EA		27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series) <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	390.34 34.01 56.68	53.48
08 52 16 00-0011	EA		31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series) <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	409.11 35.75 59.59	55.58
08 52 16 00-0012	EA		35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series) <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	427.87 37.50 62.50	57.67
<b>08 52 16 00-0013</b>			<b>47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0002)		
08 52 16 00-0014	EA		23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series) <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	399.06 34.80 58.00	54.53
08 52 16 00-0015	EA		27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series) <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	417.83 36.55 60.91	56.63
08 52 16 00-0016	EA		31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series) <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	437.91 38.46 64.09	58.73
08 52 16 00-0017	EA		35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series) <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	456.67 40.20 67.00	60.83
<b>08 52 16 00-0018</b>			<b>53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0002)		
08 52 16 00-0019	EA		23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series) <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	427.87 37.50 62.50	57.67
08 52 16 00-0020	EA		27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series) <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	446.63 39.25 65.42	59.78



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0021	EA		31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	465.39 41.00 68.33	61.87
08 52 16 00-0022	EA		35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	485.47 42.90 71.51	63.97
<b>08 52 16 00-0023</b>			<b>56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> <small>(08 52 16 00-0002)</small>		
08 52 16 00-0024	EA		19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	422.85 37.02 61.71	57.67
08 52 16 00-0025	EA		23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	441.60 38.77 64.62	59.25
08 52 16 00-0026	EA		27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	461.70 40.68 67.80	61.87
08 52 16 00-0027	EA		31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	480.45 42.43 70.71	63.97
08 52 16 00-0028	EA		35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	499.21 44.18 73.63	66.06
08 52 16 00-0029	EA		39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	517.97 45.92 76.54	68.16
<b>08 52 16 00-0030</b>			<b>59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> <small>(08 52 16 00-0002)</small>		
08 52 16 00-0031	EA		19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	437.91 38.46 64.09	58.73
08 52 16 00-0032	EA		23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	456.67 40.20 67.00	60.83
08 52 16 00-0033	EA		27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	475.43 41.95 69.92	62.92
08 52 16 00-0034	EA		31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	494.19 43.70 72.83	65.02
08 52 16 00-0035	EA		35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	512.95 45.45 75.74	67.11
08 52 16 00-0036	EA		39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	533.03 47.35 78.92	69.22
<b>08 52 16 00-0037</b>			<b>65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> <small>(08 52 16 00-0002)</small>		
08 52 16 00-0038	EA		23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	485.47 42.90 71.51	63.97
08 52 16 00-0039	EA		27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	504.24 44.65 74.42	66.06
08 52 16 00-0040	EA		31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	523.00 46.40 77.33	68.16
08 52 16 00-0041	EA		35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	541.75 48.15 80.25	70.27
<b>08 52 16 00-0042</b>			<b>71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> <small>(08 52 16 00-0002)</small>		
08 52 16 00-0043	EA		23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	512.95 45.45 75.74	67.11
08 52 16 00-0044	EA		27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	533.03 47.35 78.92	69.22
08 52 16 00-0045	EA		31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	551.81 49.10 81.84	71.31
08 52 16 00-0046	EA		35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	570.56 50.85 84.75	73.41
<b>08 52 16 00-0047</b>			<b>Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0001)</small>		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.					

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 52 16 00-0048		<b>36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> (08 52 16 00-0047)			
08 52 16 00-0049	EA	21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	419.86 64.89		48.24
08 52 16 00-0050	EA	25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	445.24 69.12		49.82
08 52 16 00-0051	EA	29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	471.95 73.63		51.91
08 52 16 00-0052	EA	31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	485.97 76.01		53.48
08 52 16 00-0053	EA	33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	498.65 78.13		54.53
08 52 16 00-0054	EA	35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	511.34 80.25		55.58
08 52 16 00-0055	EA	37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	525.36 82.63		56.10
08 52 16 00-0056	EA	41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	550.74 86.87		58.21
08 52 16 00-0057	EA	45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	577.44 91.37		60.30
08 52 16 00-0058		<b>40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> (08 52 16 00-0047)			
08 52 16 00-0059	EA	21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	445.24 69.12		50.34
08 52 16 00-0060	EA	25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	471.95 73.63		51.91
08 52 16 00-0061	EA	29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	498.65 78.13		54.01
08 52 16 00-0062	EA	31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	511.34 80.25		55.58
08 52 16 00-0063	EA	33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	525.36 82.63		56.63
08 52 16 00-0064	EA	35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	538.05 84.75		57.67
08 52 16 00-0065	EA	37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	550.74 86.87		58.21
08 52 16 00-0066	EA	41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	577.44 91.37		60.30
08 52 16 00-0067	EA	45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	604.15 95.87		62.40
08 52 16 00-0068		<b>44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> (08 52 16 00-0047)			
08 52 16 00-0069	EA	21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	471.95 73.63		52.43
08 52 16 00-0070	EA	25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	498.65 78.13		54.01
08 52 16 00-0071	EA	29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	525.36 82.63		56.10
08 52 16 00-0072	EA	31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	538.05 84.75		57.67
08 52 16 00-0073	EA	33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	550.74 86.87		58.73
08 52 16 00-0074	EA	35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	564.76 89.25		59.78
08 52 16 00-0075	EA	37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	577.44 91.37		60.30
08 52 16 00-0076	EA	41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	604.15 95.87		62.40
08 52 16 00-0077	EA	45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	630.86 100.37		64.49
08 52 16 00-0078		<b>48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> (08 52 16 00-0047)			
08 52 16 00-0079	EA	21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	498.65 78.13		54.53
08 52 16 00-0080	EA	25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	525.36 82.63		56.10
08 52 16 00-0081	EA	29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	550.74 86.87		58.21
08 52 16 00-0082	EA	31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	564.76 89.25		59.78
08 52 16 00-0083	EA	33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	577.44 91.37		60.83
08 52 16 00-0084	EA	35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	590.14 93.49		61.87
08 52 16 00-0085	EA	37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	604.15 95.87		62.40
08 52 16 00-0086	EA	41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	630.86 100.37		64.49
08 52 16 00-0087	EA	45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	656.25 104.61		66.59

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 52 16 00-0088</b>	<b>52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0089	EA 21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	525.36	56.63
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>82.63</i>	
08 52 16 00-0090	EA 25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	550.74	58.21
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>86.87</i>	
08 52 16 00-0091	EA 29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	577.44	60.30
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>91.37</i>	
08 52 16 00-0092	EA 31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	590.14	61.87
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>93.49</i>	
08 52 16 00-0093	EA 33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	604.15	62.92
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>95.87</i>	
08 52 16 00-0094	EA 35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	616.84	63.97
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>97.99</i>	
08 52 16 00-0095	EA 37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	630.86	64.49
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>100.37</i>	
08 52 16 00-0096	EA 41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	656.25	66.59
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>104.61</i>	
08 52 16 00-0097	EA 45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	682.95	68.69
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>109.11</i>	
<b>08 52 16 00-0098</b>	<b>56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0099	EA 21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	550.74	58.73
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>86.87</i>	
08 52 16 00-0100	EA 25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	577.44	60.30
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>91.37</i>	
08 52 16 00-0101	EA 29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	604.15	62.40
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>95.87</i>	
08 52 16 00-0102	EA 31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	616.84	63.97
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>97.99</i>	
08 52 16 00-0103	EA 33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	630.86	65.02
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>100.37</i>	
08 52 16 00-0104	EA 35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	643.55	66.06
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>102.49</i>	
08 52 16 00-0105	EA 37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	656.25	66.59
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>104.61</i>	
08 52 16 00-0106	EA 41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	682.95	68.69
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>109.11</i>	
08 52 16 00-0107	EA 45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	709.65	70.79
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>113.62</i>	
<b>08 52 16 00-0108</b>	<b>60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0109	EA 21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	577.44	60.83
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>91.37</i>	
08 52 16 00-0110	EA 25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	604.15	62.40
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>95.87</i>	
08 52 16 00-0111	EA 29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	630.86	64.49
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>100.37</i>	
08 52 16 00-0112	EA 31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	643.55	66.06
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>102.49</i>	
08 52 16 00-0113	EA 33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	656.25	67.11
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>104.61</i>	
08 52 16 00-0114	EA 35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	670.26	68.16
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>107.00</i>	
08 52 16 00-0115	EA 37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	682.95	68.69
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>109.11</i>	
08 52 16 00-0116	EA 41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	709.65	70.79
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>113.62</i>	
08 52 16 00-0117	EA 45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	735.04	72.88
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>117.85</i>	
<b>08 52 16 00-0118</b>	<b>64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0119	EA 21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	604.15	62.92
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>95.87</i>	
08 52 16 00-0120	EA 25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	630.86	64.49
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>100.37</i>	
08 52 16 00-0121	EA 29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	656.25	66.59
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>104.61</i>	
08 52 16 00-0122	EA 31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	670.26	68.16
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>107.00</i>	
08 52 16 00-0123	EA 33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	682.95	69.22
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>109.11</i>	
08 52 16 00-0124	EA 35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	695.63	70.27
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>111.23</i>	
08 52 16 00-0125	EA 37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	709.65	70.79
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>113.62</i>	
08 52 16 00-0126	EA 41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	735.04	72.88
	<i>For Tempered Low-E Insulated Glass, Add</i>	<i>117.85</i>	

**08 Openings****08 50 Windows****08 52 Wood Windows**

		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-0127	EA	45-5/8" x 64-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	761.74	74.98
				<i>For Tempered Low-E Insulated Glass, Add</i>	122.36	
<b>08 52 16 00-0128</b>		<b>68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b>		<small>(08 52 16 00-0047)</small>		
08 52 16 00-0129	EA	21-5/8" x 68-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	630.86	65.02
				<i>For Tempered Low-E Insulated Glass, Add</i>	100.37	
08 52 16 00-0130	EA	25-5/8" x 68-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	656.25	66.59
				<i>For Tempered Low-E Insulated Glass, Add</i>	104.61	
08 52 16 00-0131	EA	29-5/8" x 68-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	682.95	68.69
				<i>For Tempered Low-E Insulated Glass, Add</i>	109.11	
08 52 16 00-0132	EA	31-5/8" x 68-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	695.63	70.27
				<i>For Tempered Low-E Insulated Glass, Add</i>	111.23	
08 52 16 00-0133	EA	33-5/8" x 68-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	709.65	71.31
				<i>For Tempered Low-E Insulated Glass, Add</i>	113.62	
08 52 16 00-0134	EA	35-5/8" x 68-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	722.35	72.36
				<i>For Tempered Low-E Insulated Glass, Add</i>	115.74	
08 52 16 00-0135	EA	37-5/8" x 68-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	735.04	72.88
				<i>For Tempered Low-E Insulated Glass, Add</i>	117.85	
08 52 16 00-0136	EA	41-5/8" x 68-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	761.74	74.98
				<i>For Tempered Low-E Insulated Glass, Add</i>	122.36	
08 52 16 00-0137	EA	45-5/8" x 68-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	788.45	77.08
				<i>For Tempered Low-E Insulated Glass, Add</i>	126.86	
<b>08 52 16 00-0138</b>		<b>72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b>		<small>(08 52 16 00-0047)</small>		
08 52 16 00-0139	EA	21-5/8" x 72-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	656.25	67.11
				<i>For Tempered Low-E Insulated Glass, Add</i>	104.61	
08 52 16 00-0140	EA	25-5/8" x 72-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	682.95	68.69
				<i>For Tempered Low-E Insulated Glass, Add</i>	109.11	
08 52 16 00-0141	EA	29-5/8" x 72-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	709.65	70.79
				<i>For Tempered Low-E Insulated Glass, Add</i>	113.62	
08 52 16 00-0142	EA	31-5/8" x 72-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	722.35	72.36
				<i>For Tempered Low-E Insulated Glass, Add</i>	115.74	
08 52 16 00-0143	EA	33-5/8" x 72-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	735.04	73.41
				<i>For Tempered Low-E Insulated Glass, Add</i>	117.85	
08 52 16 00-0144	EA	35-5/8" x 72-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	749.05	74.46
				<i>For Tempered Low-E Insulated Glass, Add</i>	120.24	
08 52 16 00-0145	EA	37-5/8" x 72-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	761.74	74.98
				<i>For Tempered Low-E Insulated Glass, Add</i>	122.36	
08 52 16 00-0146	EA	41-5/8" x 72-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	788.45	77.08
				<i>For Tempered Low-E Insulated Glass, Add</i>	126.86	
08 52 16 00-0147	EA	45-5/8" x 72-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	815.15	79.18
				<i>For Tempered Low-E Insulated Glass, Add</i>	131.36	
<b>08 52 16 00-0148</b>		<b>76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b>		<small>(08 52 16 00-0047)</small>		
08 52 16 00-0149	EA	21-5/8" x 76-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	682.95	69.22
				<i>For Tempered Low-E Insulated Glass, Add</i>	109.11	
08 52 16 00-0150	EA	25-5/8" x 76-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	709.65	70.79
				<i>For Tempered Low-E Insulated Glass, Add</i>	113.62	
08 52 16 00-0151	EA	29-5/8" x 76-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	735.04	72.88
				<i>For Tempered Low-E Insulated Glass, Add</i>	117.85	
08 52 16 00-0152	EA	31-5/8" x 76-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	749.05	74.46
				<i>For Tempered Low-E Insulated Glass, Add</i>	120.24	
08 52 16 00-0153	EA	33-5/8" x 76-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	761.74	75.50
				<i>For Tempered Low-E Insulated Glass, Add</i>	122.36	
08 52 16 00-0154	EA	35-5/8" x 76-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	775.75	76.55
				<i>For Tempered Low-E Insulated Glass, Add</i>	124.74	
08 52 16 00-0155	EA	37-5/8" x 76-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	788.45	77.08
				<i>For Tempered Low-E Insulated Glass, Add</i>	126.86	
08 52 16 00-0156	EA	41-5/8" x 76-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	815.15	79.18
				<i>For Tempered Low-E Insulated Glass, Add</i>	131.36	
08 52 16 00-0157	EA	45-5/8" x 76-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	840.53	81.28
				<i>For Tempered Low-E Insulated Glass, Add</i>	135.60	
<b>08 52 16 00-0158</b>		<b>84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b>		<small>(08 52 16 00-0047)</small>		
08 52 16 00-0159	EA	21-5/8" x 84-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,050.20	73.41
				<i>For Tempered Low-E Insulated Glass, Add</i>	180.89	
08 52 16 00-0160	EA	25-5/8" x 84-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,087.49	74.98
				<i>For Tempered Low-E Insulated Glass, Add</i>	187.51	
08 52 16 00-0161	EA	29-5/8" x 84-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,124.80	77.08
				<i>For Tempered Low-E Insulated Glass, Add</i>	194.13	
08 52 16 00-0162	EA	31-5/8" x 84-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,142.79	78.65
				<i>For Tempered Low-E Insulated Glass, Add</i>	197.31	
08 52 16 00-0163	EA	33-5/8" x 84-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,162.09	79.70
				<i>For Tempered Low-E Insulated Glass, Add</i>	200.75	
08 52 16 00-0164	EA	35-5/8" x 84-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,180.08	80.75
				<i>For Tempered Low-E Insulated Glass, Add</i>	203.93	
08 52 16 00-0165	EA	37-5/8" x 84-7/8"		Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,198.06	81.28
				<i>For Tempered Low-E Insulated Glass, Add</i>	207.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0166	EA		41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,235.37 213.73	83.37
08 52 16 00-0167	EA		45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,272.66 220.35	85.47
<b>08 52 16 00-0168</b>			<b>88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)</b>		
08 52 16 00-0169	EA		21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,087.49 187.51	75.50
08 52 16 00-0170	EA		25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,124.80 194.13	77.08
08 52 16 00-0171	EA		29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,162.09 200.75	79.18
08 52 16 00-0172	EA		31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,180.08 203.93	80.75
08 52 16 00-0173	EA		33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,198.06 207.10	81.80
08 52 16 00-0174	EA		35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,217.39 210.55	82.85
08 52 16 00-0175	EA		37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,235.37 213.73	83.37
08 52 16 00-0176	EA		41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,272.66 220.35	85.47
08 52 16 00-0177	EA		45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,309.97 226.97	87.56
<b>08 52 16 00-0178</b>			<b>Casement Wood Clad Windows (08 52 16)</b> Note: Casement windows are hinged on one side and swing inward or outward with a crank or push out operation.		
<b>08 52 16 00-0179</b>			<b>Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0178)</b> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0180</b>			<b>One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)</b>		
<b>08 52 16 00-0181</b>			<b>24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)</b>		
08 52 16 00-0182	EA		17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	326.73 49.62	39.85
08 52 16 00-0183	EA		20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	345.27 52.69	40.90
08 52 16 00-0184	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	366.13 56.03	43.00
08 52 16 00-0185	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	385.45 59.05	45.09
<b>08 52 16 00-0186</b>			<b>28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)</b>		
08 52 16 00-0187	EA		17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	350.17 53.46	41.95
08 52 16 00-0188	EA		20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	368.70 56.54	43.00
08 52 16 00-0189	EA		24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	389.57 59.88	45.09
08 52 16 00-0190	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	400.35 61.19	47.19
08 52 16 00-0191	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	424.17 65.33	49.29
<b>08 52 16 00-0192</b>			<b>35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)</b>		
08 52 16 00-0193	EA		17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	392.14 60.39	45.09
08 52 16 00-0194	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	411.95 63.72	47.19
08 52 16 00-0195	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	432.82 67.06	48.77
08 52 16 00-0196	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	465.24 72.70	50.86
08 52 16 00-0197	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	495.91 78.21	52.43
08 52 16 00-0198	EA		35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	525.62 83.73	53.48
<b>08 52 16 00-0199</b>			<b>40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)</b>		
08 52 16 00-0200	EA		17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	420.46 65.01	48.24
08 52 16 00-0201	EA		20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	438.99 68.08	49.29

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 52 16 00-0202	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	459.87		51.39
		<i>For Tempered Clear Insulated Glass, Add</i>	71.42		
08 52 16 00-0203	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	506.38		53.48
		<i>For Tempered Clear Insulated Glass, Add</i>	79.88		
08 52 16 00-0204	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	538.50		55.58
		<i>For Tempered Clear Insulated Glass, Add</i>	85.68		
08 52 16 00-0205	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	568.88		57.67
		<i>For Tempered Clear Insulated Glass, Add</i>	90.91		
<b>08 52 16 00-0206</b>		<b>48" Height, One Operating Sash, Casement Wood Clad Windows</b>			
		<b>(Andersen 200 Series)</b> <small>(08 52 16 00-0180)</small>			
08 52 16 00-0207	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	460.92		52.43
		<i>For Tempered Clear Insulated Glass, Add</i>	71.42		
08 52 16 00-0208	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	480.73		53.48
		<i>For Tempered Clear Insulated Glass, Add</i>	74.75		
08 52 16 00-0209	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	501.61		55.58
		<i>For Tempered Clear Insulated Glass, Add</i>	78.09		
08 52 16 00-0210	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	565.44		57.67
		<i>For Tempered Clear Insulated Glass, Add</i>	90.02		
08 52 16 00-0211	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	590.72		59.78
		<i>For Tempered Clear Insulated Glass, Add</i>	94.44		
08 52 16 00-0212	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	628.58		61.87
		<i>For Tempered Clear Insulated Glass, Add</i>	101.18		
<b>08 52 16 00-0213</b>		<b>52-13/16" Height, One Operating Sash, Casement Wood Clad Windows</b>			
		<b>(Andersen 200 Series)</b> <small>(08 52 16 00-0180)</small>			
08 52 16 00-0214	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	488.19		54.53
		<i>For Tempered Clear Insulated Glass, Add</i>	76.04		
08 52 16 00-0215	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	506.74		55.58
		<i>For Tempered Clear Insulated Glass, Add</i>	79.11		
08 52 16 00-0216	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	527.61		57.67
		<i>For Tempered Clear Insulated Glass, Add</i>	82.45		
08 52 16 00-0217	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	606.19		59.78
		<i>For Tempered Clear Insulated Glass, Add</i>	97.33		
08 52 16 00-0218	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	643.63		61.87
		<i>For Tempered Clear Insulated Glass, Add</i>	104.19		
08 52 16 00-0219	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	668.68		63.97
		<i>For Tempered Clear Insulated Glass, Add</i>	108.36		
<b>08 52 16 00-0220</b>		<b>59-7/8" Height, One Operating Sash, Casement Wood Clad Windows</b>			
		<b>(Andersen 200 Series)</b> <small>(08 52 16 00-0180)</small>			
08 52 16 00-0221	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	527.61		57.67
		<i>For Tempered Clear Insulated Glass, Add</i>	82.45		
08 52 16 00-0222	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	547.42		59.78
		<i>For Tempered Clear Insulated Glass, Add</i>	85.78		
08 52 16 00-0223	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	568.30		61.35
		<i>For Tempered Clear Insulated Glass, Add</i>	89.12		
08 52 16 00-0224	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	664.83		63.45
		<i>For Tempered Clear Insulated Glass, Add</i>	107.59		
08 52 16 00-0225	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	691.54		65.02
		<i>For Tempered Clear Insulated Glass, Add</i>	112.30		
08 52 16 00-0226	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	727.32		67.11
		<i>For Tempered Clear Insulated Glass, Add</i>	118.62		
<b>08 52 16 00-0227</b>		<b>64-13/16" Height, One Operating Sash, Casement Wood Clad Windows</b>			
		<b>(Andersen 200 Series)</b> <small>(08 52 16 00-0180)</small>			
08 52 16 00-0228	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	555.92		60.83
		<i>For Tempered Clear Insulated Glass, Add</i>	87.07		
08 52 16 00-0229	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	574.48		61.87
		<i>For Tempered Clear Insulated Glass, Add</i>	90.15		
08 52 16 00-0230	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	595.34		63.97
		<i>For Tempered Clear Insulated Glass, Add</i>	93.48		
08 52 16 00-0231	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	705.99		66.06
		<i>For Tempered Clear Insulated Glass, Add</i>	114.77		
08 52 16 00-0232	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	730.89		68.16
		<i>For Tempered Clear Insulated Glass, Add</i>	119.12		
08 52 16 00-0233	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	768.47		70.27
		<i>For Tempered Clear Insulated Glass, Add</i>	125.80		
<b>08 52 16 00-0234</b>		<b>71-7/8" Height, One Operating Sash, Casement Wood Clad Windows</b>			
		<b>(Andersen 200 Series)</b> <small>(08 52 16 00-0180)</small>			
08 52 16 00-0235	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	595.34		63.97
		<i>For Tempered Clear Insulated Glass, Add</i>	93.48		
08 52 16 00-0236	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	615.15		66.06
		<i>For Tempered Clear Insulated Glass, Add</i>	96.81		
08 52 16 00-0237	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	636.03		67.64
		<i>For Tempered Clear Insulated Glass, Add</i>	100.15		
08 52 16 00-0238	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	764.63		69.74
		<i>For Tempered Clear Insulated Glass, Add</i>	125.03		
08 52 16 00-0239	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	795.06		71.31
		<i>For Tempered Clear Insulated Glass, Add</i>	130.49		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0240	EA		35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	827.13 136.06	73.41
<b>08 52 16 00-0241</b>			<b>Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0179)</small>		
<b>08 52 16 00-0242</b>			<b>24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0241)</small>		
08 52 16 00-0243	EA		40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	577.79 95.00	51.39
08 52 16 00-0244	EA		48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	655.64 108.89	55.58
08 52 16 00-0245	EA		56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	745.56 125.20	59.78
<b>08 52 16 00-0246</b>			<b>28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0241)</small>		
08 52 16 00-0247	EA		40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	622.68 103.14	53.48
08 52 16 00-0248	EA		48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	700.53 117.03	57.67
08 52 16 00-0249	EA		56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	790.46 133.34	61.87
<b>08 52 16 00-0250</b>			<b>35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0241)</small>		
08 52 16 00-0251	EA		33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	617.23 102.05	53.48
08 52 16 00-0252	EA		40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	696.40 116.42	57.67
08 52 16 00-0253	EA		48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	779.18 131.30	61.87
08 52 16 00-0254	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	874.77 148.74	65.54
08 52 16 00-0255	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	938.95 160.31	68.69
08 52 16 00-0256	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,045.71 179.78	73.41
<b>08 52 16 00-0257</b>			<b>40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0241)</small>		
08 52 16 00-0258	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	672.50 112.06	56.10
08 52 16 00-0259	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	751.66 126.42	59.78
08 52 16 00-0260	EA		48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	834.44 141.30	63.97
08 52 16 00-0261	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	930.04 158.74	68.16
08 52 16 00-0262	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,001.03 171.68	71.31
08 52 16 00-0263	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,297.19 229.03	76.03
<b>08 52 16 00-0264</b>			<b>48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0241)</small>		
08 52 16 00-0265	EA		33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	753.98 126.68	60.30
08 52 16 00-0266	EA		40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	834.44 141.30	63.97
08 52 16 00-0267	EA		48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	917.22 156.18	68.16
08 52 16 00-0268	EA		56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,012.82 173.62	72.36
08 52 16 00-0269	EA		62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,080.84 185.97	75.50
08 52 16 00-0270	EA		71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,183.75 204.66	80.23
<b>08 52 16 00-0271</b>			<b>52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0241)</small>		
08 52 16 00-0272	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	808.20 136.68	62.40
08 52 16 00-0273	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	887.38 151.05	66.06
08 52 16 00-0274	EA		48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	960.63 164.02	70.27
08 52 16 00-0275	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,065.75 183.37	74.46

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 52 16 00-0276	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,136.99		77.60
		<i>For Tempered Clear Insulated Glass, Add</i>	196.36		
08 52 16 00-0277	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,237.97		82.32
		<i>For Tempered Clear Insulated Glass, Add</i>	214.66		
<b>08 52 16 00-0278</b>		<b>59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)</b>			
08 52 16 00-0279	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	888.66		66.06
		<i>For Tempered Clear Insulated Glass, Add</i>	151.30		
08 52 16 00-0280	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	967.81		70.27
		<i>For Tempered Clear Insulated Glass, Add</i>	165.67		
08 52 16 00-0281	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,050.59		74.46
		<i>For Tempered Clear Insulated Glass, Add</i>	180.55		
08 52 16 00-0282	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,146.21		78.12
		<i>For Tempered Clear Insulated Glass, Add</i>	197.99		
08 52 16 00-0283	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,217.43		81.28
		<i>For Tempered Clear Insulated Glass, Add</i>	210.98		
08 52 16 00-0284	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,317.12		85.99
		<i>For Tempered Clear Insulated Glass, Add</i>	229.03		
<b>08 52 16 00-0285</b>		<b>64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)</b>			
08 52 16 00-0286	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	943.92		68.69
		<i>For Tempered Clear Insulated Glass, Add</i>	161.31		
08 52 16 00-0287	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,023.08		72.36
		<i>For Tempered Clear Insulated Glass, Add</i>	175.67		
08 52 16 00-0288	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,107.15		76.55
		<i>For Tempered Clear Insulated Glass, Add</i>	190.81		
08 52 16 00-0289	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,202.74		80.75
		<i>For Tempered Clear Insulated Glass, Add</i>	208.25		
<b>08 52 16 00-0290</b>		<b>71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)</b>			
08 52 16 00-0291	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,024.37		72.36
		<i>For Tempered Clear Insulated Glass, Add</i>	175.93		
08 52 16 00-0292	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,103.52		76.55
		<i>For Tempered Clear Insulated Glass, Add</i>	190.29		
08 52 16 00-0293	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,186.31		80.75
		<i>For Tempered Clear Insulated Glass, Add</i>	205.17		
08 52 16 00-0294	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,281.92		84.42
		<i>For Tempered Clear Insulated Glass, Add</i>	222.62		
<b>08 52 16 00-0295</b>		<b>One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)</b>			
<b>08 52 16 00-0296</b>		<b>24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)</b>			
08 52 16 00-0297	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	911.15		67.64
		<i>For Tempered Clear Insulated Glass, Add</i>	155.17		
08 52 16 00-0298	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,058.30		74.46
		<i>For Tempered Clear Insulated Glass, Add</i>	181.88		
<b>08 52 16 00-0299</b>		<b>28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)</b>			
08 52 16 00-0300	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	966.14		69.74
		<i>For Tempered Clear Insulated Glass, Add</i>	165.33		
08 52 16 00-0301	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,103.79		76.55
		<i>For Tempered Clear Insulated Glass, Add</i>	190.14		
<b>08 52 16 00-0302</b>		<b>35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)</b>			
08 52 16 00-0303	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	930.30		68.16
		<i>For Tempered Clear Insulated Glass, Add</i>	158.79		
08 52 16 00-0304	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,048.27		73.41
		<i>For Tempered Clear Insulated Glass, Add</i>	180.29		
08 52 16 00-0305	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,194.01		80.75
		<i>For Tempered Clear Insulated Glass, Add</i>	206.71		
<b>08 52 16 00-0306</b>		<b>40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)</b>			



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0307	EA		61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	982.95 168.28	71.31
08 52 16 00-0308	EA		71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,104.80 190.55	76.03
08 52 16 00-0309	EA		84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,249.27 216.72	82.85
<b>08 52 16 00-0310</b>			<b>48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)</b>		
08 52 16 00-0311	EA		71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,186.31 205.17	80.23
08 52 16 00-0312	EA		84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,330.77 231.34	87.04
<b>08 52 16 00-0313</b>			<b>52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)</b>		
08 52 16 00-0314	EA		71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,240.53 215.18	82.32
08 52 16 00-0315	EA		84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,384.98 241.34	89.13
<b>08 52 16 00-0316</b>			<b>59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)</b>		
08 52 16 00-0317	EA		71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,319.68 229.54	85.99
08 52 16 00-0318	EA		84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,465.43 255.96	93.33
<b>08 52 16 00-0319</b>			<b>Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0178)</b> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0320</b>			<b>One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)</b>		
<b>08 52 16 00-0321</b>			<b>24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)</b>		
08 52 16 00-0322	EA		17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	386.37 61.54	39.85
08 52 16 00-0323	EA		20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	408.76 65.39	40.90
08 52 16 00-0324	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	433.79 69.56	43.00
08 52 16 00-0325	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	456.88 73.34	45.09
<b>08 52 16 00-0326</b>			<b>28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)</b>		
08 52 16 00-0327	EA		17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	414.62 66.35	41.95
08 52 16 00-0328	EA		20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	437.00 70.20	43.00
08 52 16 00-0329	EA		24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	462.04 74.37	45.09
08 52 16 00-0330	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	474.47 76.02	47.19
08 52 16 00-0331	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	503.45 81.18	49.29
<b>08 52 16 00-0332</b>			<b>35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)</b>		
08 52 16 00-0333	EA		17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	465.24 75.01	45.09
08 52 16 00-0334	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	489.23 79.18	47.19
08 52 16 00-0335	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	514.27 83.35	48.77
08 52 16 00-0336	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	553.74 90.40	50.86
08 52 16 00-0337	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	591.30 97.29	52.43

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 52 16 00-0338	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	627.91 104.19		53.48
<b>08 52 16 00-0339</b>		<b>40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)</b>			
08 52 16 00-0340	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	499.34 80.78		48.24
08 52 16 00-0341	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	521.72 84.63		49.29
08 52 16 00-0342	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	546.76 88.80		51.39
08 52 16 00-0343	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	603.86 99.38		53.48
08 52 16 00-0344	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	643.21 106.62		55.58
08 52 16 00-0345	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	680.15 113.17		57.67
<b>08 52 16 00-0346</b>		<b>48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)</b>			
08 52 16 00-0347	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	547.81 88.80		52.43
08 52 16 00-0348	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	571.79 92.97		53.48
08 52 16 00-0349	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	596.85 97.14		55.58
08 52 16 00-0350	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	675.58 112.04		57.67
08 52 16 00-0351	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	706.40 117.58		59.78
08 52 16 00-0352	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	752.67 125.99		61.87
<b>08 52 16 00-0353</b>		<b>52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)</b>			
08 52 16 00-0354	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	580.86 94.57		54.53
08 52 16 00-0355	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	603.26 98.42		55.58
08 52 16 00-0356	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	628.29 102.59		57.67
08 52 16 00-0357	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	725.47 121.18		59.78
08 52 16 00-0358	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	771.48 129.76		61.87
08 52 16 00-0359	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	801.75 134.97		63.97
<b>08 52 16 00-0360</b>		<b>59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)</b>			
08 52 16 00-0361	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	628.29 102.59		57.67
08 52 16 00-0362	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	652.27 106.75		59.78
08 52 16 00-0363	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	677.31 110.92		61.35
08 52 16 00-0364	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	796.94 134.01		63.45
08 52 16 00-0365	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	829.54 139.90		65.02
08 52 16 00-0366	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	873.21 147.80		67.11
<b>08 52 16 00-0367</b>		<b>64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)</b>			
08 52 16 00-0368	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	662.38 108.36		60.83
08 52 16 00-0369	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	684.78 112.21		61.87
08 52 16 00-0370	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	709.81 116.37		63.97
08 52 16 00-0371	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	847.08 142.99		66.06
08 52 16 00-0372	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	877.41 148.43		68.16
08 52 16 00-0373	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series), <i>For Tempered Low-E Insulated Glass, Add</i>	923.34 156.77		70.27

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 52 16 00-0374</b>	<b>71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0320)</small>		
08 52 16 00-0375	EA 17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	709.81	63.97
	<i>For Tempered Low-E Insulated Glass, Add</i>	116.37	
08 52 16 00-0376	EA 20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	733.79	66.06
	<i>For Tempered Low-E Insulated Glass, Add</i>	120.54	
08 52 16 00-0377	EA 24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	758.83	67.64
	<i>For Tempered Low-E Insulated Glass, Add</i>	124.71	
08 52 16 00-0378	EA 28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	918.53	69.74
	<i>For Tempered Low-E Insulated Glass, Add</i>	155.81	
08 52 16 00-0379	EA 31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	955.79	71.31
	<i>For Tempered Low-E Insulated Glass, Add</i>	162.63	
08 52 16 00-0380	EA 35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	994.82	73.41
	<i>For Tempered Low-E Insulated Glass, Add</i>	169.60	
<b>08 52 16 00-0381</b>	<b>Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0319)</small>		
<b>08 52 16 00-0382</b>	<b>24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0381)</small>		
08 52 16 00-0383	EA 40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	691.78	51.39
	<i>For Tempered Low-E Insulated Glass, Add</i>	117.80	
08 52 16 00-0384	EA 48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	787.00	55.58
	<i>For Tempered Low-E Insulated Glass, Add</i>	135.17	
08 52 16 00-0385	EA 56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	897.30	59.78
	<i>For Tempered Low-E Insulated Glass, Add</i>	155.55	
<b>08 52 16 00-0386</b>	<b>28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0381)</small>		
08 52 16 00-0387	EA 40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	746.85	53.48
	<i>For Tempered Low-E Insulated Glass, Add</i>	127.98	
08 52 16 00-0388	EA 48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	842.07	57.67
	<i>For Tempered Low-E Insulated Glass, Add</i>	145.34	
08 52 16 00-0389	EA 56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	952.37	61.87
	<i>For Tempered Low-E Insulated Glass, Add</i>	165.72	
<b>08 52 16 00-0390</b>	<b>35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0381)</small>		
08 52 16 00-0391	EA 33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	740.03	53.48
	<i>For Tempered Low-E Insulated Glass, Add</i>	126.61	
08 52 16 00-0392	EA 40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	837.16	57.67
	<i>For Tempered Low-E Insulated Glass, Add</i>	144.57	
08 52 16 00-0393	EA 48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	938.54	61.87
	<i>For Tempered Low-E Insulated Glass, Add</i>	163.17	
08 52 16 00-0394	EA 56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,055.94	65.54
	<i>For Tempered Low-E Insulated Glass, Add</i>	184.97	
08 52 16 00-0395	EA 62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,134.59	68.69
	<i>For Tempered Low-E Insulated Glass, Add</i>	199.44	
08 52 16 00-0396	EA 71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,265.67	73.41
	<i>For Tempered Low-E Insulated Glass, Add</i>	223.77	
<b>08 52 16 00-0397</b>	<b>40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0381)</small>		
08 52 16 00-0398	EA 33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	807.81	56.10
	<i>For Tempered Low-E Insulated Glass, Add</i>	139.12	
08 52 16 00-0399	EA 40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	904.93	59.78
	<i>For Tempered Low-E Insulated Glass, Add</i>	157.08	
08 52 16 00-0400	EA 48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,006.30	63.97
	<i>For Tempered Low-E Insulated Glass, Add</i>	175.67	
08 52 16 00-0401	EA 56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,123.71	68.16
	<i>For Tempered Low-E Insulated Glass, Add</i>	197.48	
08 52 16 00-0402	EA 62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,210.86	71.31
	<i>For Tempered Low-E Insulated Glass, Add</i>	213.65	
08 52 16 00-0403	EA 71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,578.71	76.03
	<i>For Tempered Low-E Insulated Glass, Add</i>	285.33	
<b>08 52 16 00-0404</b>	<b>48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0381)</small>		
08 52 16 00-0405	EA 33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	907.57	60.30
	<i>For Tempered Low-E Insulated Glass, Add</i>	157.40	
08 52 16 00-0406	EA 40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,006.30	63.97
	<i>For Tempered Low-E Insulated Glass, Add</i>	175.67	
08 52 16 00-0407	EA 48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,107.68	68.16
	<i>For Tempered Low-E Insulated Glass, Add</i>	194.27	
08 52 16 00-0408	EA 56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,225.09	72.36
	<i>For Tempered Low-E Insulated Glass, Add</i>	216.07	
08 52 16 00-0409	EA 62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,308.54	75.50
	<i>For Tempered Low-E Insulated Glass, Add</i>	231.51	
08 52 16 00-0410	EA 71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,434.81	80.23
	<i>For Tempered Low-E Insulated Glass, Add</i>	254.87	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 52 16 00-0411		<b>52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0381)			
08 52 16 00-0412	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	974.30		62.40
		<i>For Tempered Low-E Insulated Glass, Add</i>	169.90		
08 52 16 00-0413	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,071.43		66.06
		<i>For Tempered Low-E Insulated Glass, Add</i>	187.86		
08 52 16 00-0414	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,163.27		70.27
		<i>For Tempered Low-E Insulated Glass, Add</i>	204.55		
08 52 16 00-0415	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,290.20		74.46
		<i>For Tempered Low-E Insulated Glass, Add</i>	228.26		
08 52 16 00-0416	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,377.68		77.60
		<i>For Tempered Low-E Insulated Glass, Add</i>	244.49		
08 52 16 00-0417	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,501.53		82.32
		<i>For Tempered Low-E Insulated Glass, Add</i>	267.38		
08 52 16 00-0418		<b>59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0381)			
08 52 16 00-0419	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,073.03		66.06
		<i>For Tempered Low-E Insulated Glass, Add</i>	188.18		
08 52 16 00-0420	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,170.14		70.27
		<i>For Tempered Low-E Insulated Glass, Add</i>	206.13		
08 52 16 00-0421	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,271.52		74.46
		<i>For Tempered Low-E Insulated Glass, Add</i>	224.73		
08 52 16 00-0422	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,388.94		78.12
		<i>For Tempered Low-E Insulated Glass, Add</i>	246.54		
08 52 16 00-0423	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,476.39		81.28
		<i>For Tempered Low-E Insulated Glass, Add</i>	262.77		
08 52 16 00-0424	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,598.64		85.99
		<i>For Tempered Low-E Insulated Glass, Add</i>	285.33		
08 52 16 00-0425		<b>64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0381)			
08 52 16 00-0426	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,140.80		68.69
		<i>For Tempered Low-E Insulated Glass, Add</i>	200.68		
08 52 16 00-0427	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,237.92		72.36
		<i>For Tempered Low-E Insulated Glass, Add</i>	218.64		
08 52 16 00-0428	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,340.90		76.55
		<i>For Tempered Low-E Insulated Glass, Add</i>	237.56		
08 52 16 00-0429	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,458.29		80.75
		<i>For Tempered Low-E Insulated Glass, Add</i>	259.36		
08 52 16 00-0430		<b>71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0381)			
08 52 16 00-0431	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,239.52		72.36
		<i>For Tempered Low-E Insulated Glass, Add</i>	218.96		
08 52 16 00-0432	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,336.63		76.55
		<i>For Tempered Low-E Insulated Glass, Add</i>	236.92		
08 52 16 00-0433	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,438.02		80.75
		<i>For Tempered Low-E Insulated Glass, Add</i>	255.51		
08 52 16 00-0434	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,555.42		84.42
		<i>For Tempered Low-E Insulated Glass, Add</i>	277.32		
08 52 16 00-0435		<b>One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0319)			
08 52 16 00-0436		<b>24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0435)			
08 52 16 00-0437	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,102.73		67.64
		<i>For Tempered Low-E Insulated Glass, Add</i>	193.49		
08 52 16 00-0438	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,280.89		74.46
		<i>For Tempered Low-E Insulated Glass, Add</i>	226.40		
08 52 16 00-0439		<b>28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0435)			
08 52 16 00-0440	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,168.05		69.74
		<i>For Tempered Low-E Insulated Glass, Add</i>	205.72		
08 52 16 00-0441	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,336.69		76.55
		<i>For Tempered Low-E Insulated Glass, Add</i>	236.72		
08 52 16 00-0442		<b>35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0435)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0443	EA		61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,124.04 197.54	68.16
08 52 16 00-0444	EA		71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,268.87 224.41	73.41
08 52 16 00-0445	EA		84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,447.63 257.44	80.75
<b>08 52 16 00-0446</b>			<b>40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)</b>		
08 52 16 00-0447	EA		61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,188.54 209.39	71.31
08 52 16 00-0448	EA		71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,338.23 237.24	76.03
08 52 16 00-0449	EA		84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,515.40 269.94	82.85
<b>08 52 16 00-0450</b>			<b>48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)</b>		
08 52 16 00-0451	EA		71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,438.02 255.51	80.23
08 52 16 00-0452	EA		84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,615.18 288.22	87.04
<b>08 52 16 00-0453</b>			<b>52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)</b>		
08 52 16 00-0454	EA		71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,504.74 268.02	82.32
08 52 16 00-0455	EA		84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,681.90 300.72	89.13
<b>08 52 16 00-0456</b>			<b>59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)</b>		
08 52 16 00-0457	EA		71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,601.85 285.97	85.99
08 52 16 00-0458	EA		84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,780.62 319.00	93.33
<b>08 52 16 00-0459</b>			<b>Awning Wood Clad Windows (08 52 16)</b>		
			Note: Awning windows are hinged at the top of the frame and swing outward with a crank or push out operation.		
<b>08 52 16 00-0460</b>			<b>Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0459)</b>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0461</b>			<b>Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0460)</b>		
<b>08 52 16 00-0462</b>			<b>17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)</b>		
08 52 16 00-0463	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	353.90 53.58	43.00
08 52 16 00-0464	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	378.62 57.69	45.09
08 52 16 00-0465	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	398.81 61.10	46.66
08 52 16 00-0466	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	424.44 65.38	48.77
08 52 16 00-0467	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	454.05 70.26	51.39
08 52 16 00-0468	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	499.64 77.69	55.58
08 52 16 00-0469	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	528.20 82.57	57.67
08 52 16 00-0470	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	570.17 89.49	61.87
08 52 16 00-0471	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	586.39 91.69	63.97
08 52 16 00-0472	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	627.92 98.53	67.64

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0473			<b>20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0474	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	373.07	45.09
			<i>For Tempered Clear Insulated Glass, Add</i> .....	56.79	
08 52 16 00-0475	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	399.72	47.19
			<i>For Tempered Clear Insulated Glass, Add</i> .....	61.28	
08 52 16 00-0476	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	417.19	48.24
			<i>For Tempered Clear Insulated Glass, Add</i> .....	64.14	
08 52 16 00-0477	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	445.55	50.34
			<i>For Tempered Clear Insulated Glass, Add</i> .....	68.97	
08 52 16 00-0478	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	475.16	53.48
			<i>For Tempered Clear Insulated Glass, Add</i> .....	73.85	
08 52 16 00-0479	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	519.46	57.15
			<i>For Tempered Clear Insulated Glass, Add</i> .....	81.03	
08 52 16 00-0480	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	548.02	59.78
			<i>For Tempered Clear Insulated Glass, Add</i> .....	85.90	
08 52 16 00-0481	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	591.27	62.92
			<i>For Tempered Clear Insulated Glass, Add</i> .....	93.09	
08 52 16 00-0482	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	605.99	66.06
			<i>For Tempered Clear Insulated Glass, Add</i> .....	94.98	
08 52 16 00-0483	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	648.79	69.22
			<i>For Tempered Clear Insulated Glass, Add</i> .....	102.07	
08 52 16 00-0484	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	988.14	76.55
			<i>For Tempered Clear Insulated Glass, Add</i> .....	167.22	
08 52 16 00-0485			<b>24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0486	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	397.15	47.19
			<i>For Tempered Clear Insulated Glass, Add</i> .....	60.76	
08 52 16 00-0487	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	421.88	49.29
			<i>For Tempered Clear Insulated Glass, Add</i> .....	64.87	
08 52 16 00-0488	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	438.79	50.34
			<i>For Tempered Clear Insulated Glass, Add</i> .....	67.62	
08 52 16 00-0489	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	467.69	52.43
			<i>For Tempered Clear Insulated Glass, Add</i> .....	72.56	
08 52 16 00-0490	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	497.30	55.58
			<i>For Tempered Clear Insulated Glass, Add</i> .....	77.44	
08 52 16 00-0491	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	542.89	59.25
			<i>For Tempered Clear Insulated Glass, Add</i> .....	84.88	
08 52 16 00-0492	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	571.45	61.87
			<i>For Tempered Clear Insulated Glass, Add</i> .....	89.75	
08 52 16 00-0493	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	614.70	65.02
			<i>For Tempered Clear Insulated Glass, Add</i> .....	96.93	
08 52 16 00-0494	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	627.92	68.16
			<i>For Tempered Clear Insulated Glass, Add</i> .....	98.53	
08 52 16 00-0495	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	669.41	71.31
			<i>For Tempered Clear Insulated Glass, Add</i> .....	105.36	
08 52 16 00-0496	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,039.13	78.65
			<i>For Tempered Clear Insulated Glass, Add</i> .....	176.57	
08 52 16 00-0497			<b>28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0498	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	397.51	49.29
			<i>For Tempered Clear Insulated Glass, Add</i> .....	60.00	
08 52 16 00-0499	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	435.05	51.39
			<i>For Tempered Clear Insulated Glass, Add</i> .....	66.66	
08 52 16 00-0500	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	459.30	52.43
			<i>For Tempered Clear Insulated Glass, Add</i> .....	70.89	
08 52 16 00-0501	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	503.95	54.53
			<i>For Tempered Clear Insulated Glass, Add</i> .....	78.98	
08 52 16 00-0502	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	548.96	57.67
			<i>For Tempered Clear Insulated Glass, Add</i> .....	86.93	
08 52 16 00-0503	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	615.06	61.35
			<i>For Tempered Clear Insulated Glass, Add</i> .....	98.47	
08 52 16 00-0504	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	657.73	63.97
			<i>For Tempered Clear Insulated Glass, Add</i> .....	106.17	
08 52 16 00-0505	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	722.79	67.11
			<i>For Tempered Clear Insulated Glass, Add</i> .....	117.71	
08 52 16 00-0506	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	747.35	70.27
			<i>For Tempered Clear Insulated Glass, Add</i> .....	121.58	
08 52 16 00-0507	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	810.41	73.41
			<i>For Tempered Clear Insulated Glass, Add</i> .....	132.72	
08 52 16 00-0508	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,067.34	80.75
			<i>For Tempered Clear Insulated Glass, Add</i> .....	181.38	
08 52 16 00-0509			<b>31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0510	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	459.30	52.43
			<i>For Tempered Clear Insulated Glass, Add</i> .....	70.89	
08 52 16 00-0511	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	485.28	54.01
			<i>For Tempered Clear Insulated Glass, Add</i> .....	75.45	
08 52 16 00-0512	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	521.03	56.10
			<i>For Tempered Clear Insulated Glass, Add</i> .....	81.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0513	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	561.07 88.72	58.73
08 52 16 00-0514	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	619.50 98.73	62.92
08 52 16 00-0515	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	659.59 105.91	65.02
08 52 16 00-0516	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	716.97 115.92	69.22
08 52 16 00-0517	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	757.03 122.88	71.31
08 52 16 00-0518	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	815.49 133.11	74.98
08 52 16 00-0519	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,136.64 194.61	81.80
<b>08 52 16 00-0520</b>			<b>35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0461)		
08 52 16 00-0521	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	521.03 81.76	56.10
08 52 16 00-0522	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	571.57 91.03	58.21
08 52 16 00-0523	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	616.58 98.99	60.83
08 52 16 00-0524	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	682.67 110.53	65.02
08 52 16 00-0525	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	726.63 118.48	67.11
08 52 16 00-0526	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	790.41 129.77	71.31
08 52 16 00-0527	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	695.18 109.67	73.41
08 52 16 00-0528	EA		71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	745.57 118.28	77.08
<b>08 52 16 00-0529</b>			<b>40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0461)		
08 52 16 00-0530	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	608.88 97.45	60.83
08 52 16 00-0531	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	683.38 111.30	63.97
<b>08 52 16 00-0532</b>			<b>48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0461)		
08 52 16 00-0533	EA		35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	721.15 118.22	65.02
08 52 16 00-0534	EA		40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	796.94 132.33	68.16
08 52 16 00-0535	EA		48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	907.94 152.85	71.84
<b>08 52 16 00-0536</b>			<b>59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0461)		
08 52 16 00-0537	EA		35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	888.89 149.46	70.79
08 52 16 00-0538	EA		40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	955.39 161.71	73.41
<b>08 52 16 00-0539</b>			<b>71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0461)		
08 52 16 00-0540	EA		24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	969.58 165.39	71.31
08 52 16 00-0541	EA		35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,004.49 170.07	77.08
08 52 16 00-0542	EA		40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,109.38 190.00	79.70
08 52 16 00-0543	EA		48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,217.18 209.88	83.90
<b>08 52 16 00-0544</b>			<b>Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0460)		
<b>08 52 16 00-0545</b>			<b>17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0544)		
08 52 16 00-0546	EA		24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	314.14 45.63	43.00
08 52 16 00-0547	EA		28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	337.58 49.48	45.09
08 52 16 00-0548	EA		31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	353.12 51.96	46.66
08 52 16 00-0549	EA		35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	378.27 56.15	48.77

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 52 16 00-0550	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	405.31		51.39
		<i>For Tempered Clear Insulated Glass, Add</i>	60.51		
08 52 16 00-0551	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	447.06		55.58
		<i>For Tempered Clear Insulated Glass, Add</i>	67.18		
08 52 16 00-0552	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	471.77		57.67
		<i>For Tempered Clear Insulated Glass, Add</i>	71.28		
08 52 16 00-0553	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	511.17		61.87
		<i>For Tempered Clear Insulated Glass, Add</i>	77.69		
08 52 16 00-0554	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	538.22		63.97
		<i>For Tempered Clear Insulated Glass, Add</i>	82.06		
08 52 16 00-0555	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	577.62		67.64
		<i>For Tempered Clear Insulated Glass, Add</i>	88.47		
<b>08 52 16 00-0556 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)</b>					
08 52 16 00-0557	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	332.67		45.09
		<i>For Tempered Clear Insulated Glass, Add</i>	48.71		
08 52 16 00-0558	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	356.11		47.19
		<i>For Tempered Clear Insulated Glass, Add</i>	52.56		
08 52 16 00-0559	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	370.42		48.24
		<i>For Tempered Clear Insulated Glass, Add</i>	54.79		
08 52 16 00-0560	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	398.09		50.34
		<i>For Tempered Clear Insulated Glass, Add</i>	59.48		
08 52 16 00-0561	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	425.13		53.48
		<i>For Tempered Clear Insulated Glass, Add</i>	63.84		
08 52 16 00-0562	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	465.59		57.15
		<i>For Tempered Clear Insulated Glass, Add</i>	70.26		
08 52 16 00-0563	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	491.58		59.78
		<i>For Tempered Clear Insulated Glass, Add</i>	74.62		
08 52 16 00-0564	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	529.70		62.92
		<i>For Tempered Clear Insulated Glass, Add</i>	80.77		
08 52 16 00-0565	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	558.03		66.06
		<i>For Tempered Clear Insulated Glass, Add</i>	85.39		
08 52 16 00-0566	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	596.15		69.22
		<i>For Tempered Clear Insulated Glass, Add</i>	91.55		
<b>08 52 16 00-0567 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)</b>					
08 52 16 00-0568	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	353.55		47.19
		<i>For Tempered Clear Insulated Glass, Add</i>	52.04		
08 52 16 00-0569	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	376.99		49.29
		<i>For Tempered Clear Insulated Glass, Add</i>	55.89		
08 52 16 00-0570	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	389.84		50.34
		<i>For Tempered Clear Insulated Glass, Add</i>	57.83		
08 52 16 00-0571	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	417.67		52.43
		<i>For Tempered Clear Insulated Glass, Add</i>	62.56		
08 52 16 00-0572	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	444.72		55.58
		<i>For Tempered Clear Insulated Glass, Add</i>	66.92		
08 52 16 00-0573	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	485.17		59.25
		<i>For Tempered Clear Insulated Glass, Add</i>	73.33		
08 52 16 00-0574	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	511.17		61.87
		<i>For Tempered Clear Insulated Glass, Add</i>	77.69		
08 52 16 00-0575	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	550.57		65.02
		<i>For Tempered Clear Insulated Glass, Add</i>	84.11		
08 52 16 00-0576	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	577.62		68.16
		<i>For Tempered Clear Insulated Glass, Add</i>	88.47		
08 52 16 00-0577	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	617.04		71.31
		<i>For Tempered Clear Insulated Glass, Add</i>	94.88		
<b>08 52 16 00-0578 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)</b>					
08 52 16 00-0579	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	356.46		49.29
		<i>For Tempered Clear Insulated Glass, Add</i>	51.79		
08 52 16 00-0580	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	387.60		51.39
		<i>For Tempered Clear Insulated Glass, Add</i>	57.17		
08 52 16 00-0581	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	404.91		52.43
		<i>For Tempered Clear Insulated Glass, Add</i>	60.01		
08 52 16 00-0582	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	421.86		54.53
		<i>For Tempered Clear Insulated Glass, Add</i>	62.56		
08 52 16 00-0583	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	479.70		57.67
		<i>For Tempered Clear Insulated Glass, Add</i>	73.08		
08 52 16 00-0584	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	532.98		61.35
		<i>For Tempered Clear Insulated Glass, Add</i>	82.06		
08 52 16 00-0585	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	567.95		63.97
		<i>For Tempered Clear Insulated Glass, Add</i>	88.21		
08 52 16 00-0586	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	620.18		67.11
		<i>For Tempered Clear Insulated Glass, Add</i>	97.19		
08 52 16 00-0587	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	657.48		70.27
		<i>For Tempered Clear Insulated Glass, Add</i>	103.60		
08 52 16 00-0588	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	709.72		73.41
		<i>For Tempered Clear Insulated Glass, Add</i>	112.58		



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 52 16 00-0589</b>	<b>31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0544)</small>		
08 52 16 00-0590	EA 28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	404.91 60.01	52.43
08 52 16 00-0591	EA 31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	426.54 63.71	54.01
08 52 16 00-0592	EA 35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	455.76 68.71	56.10
08 52 16 00-0593	EA 40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	489.28 74.37	58.73
08 52 16 00-0594	EA 48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	537.92 82.42	62.92
08 52 16 00-0595	EA 52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	570.39 88.07	65.02
08 52 16 00-0596	EA 59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	617.99 96.12	69.22
08 52 16 00-0597	EA 64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	650.43 101.56	71.31
08 52 16 00-0598	EA 71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	698.01 109.61	74.98
<b>08 52 16 00-0599</b>	<b>35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0544)</small>		
08 52 16 00-0600	EA 31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	455.76 68.71	56.10
08 52 16 00-0601	EA 35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	498.46 76.41	58.21
08 52 16 00-0602	EA 40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	534.49 82.57	60.83
08 52 16 00-0603	EA 48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	589.05 91.80	65.02
08 52 16 00-0604	EA 52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	624.03 97.96	67.11
08 52 16 00-0605	EA 59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	676.26 106.94	71.31
08 52 16 00-0606	EA 64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	712.29 113.09	73.41
08 52 16 00-0607	EA 71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	764.52 122.07	77.08
<b>08 52 16 00-0608</b>	<b>Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0459)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0609</b>	<b>Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0608)</small>		
<b>08 52 16 00-0610</b>	<b>17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0611	EA 24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	417.39 66.28	43.00
08 52 16 00-0612	EA 28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	447.24 71.41	45.09
08 52 16 00-0613	EA 31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	471.69 75.67	46.66
08 52 16 00-0614	EA 35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	502.68 81.03	48.77
08 52 16 00-0615	EA 40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	538.38 87.12	51.39
08 52 16 00-0616	EA 48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	593.27 96.42	55.58
08 52 16 00-0617	EA 52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	627.92 102.51	57.67
08 52 16 00-0618	EA 59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	678.55 111.17	61.87
08 52 16 00-0619	EA 64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	697.51 113.91	63.97
08 52 16 00-0620	EA 71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	747.59 122.46	67.64
<b>08 52 16 00-0621</b>	<b>20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0622	EA 24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	440.56 70.29	45.09
08 52 16 00-0623	EA 28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	472.83 75.90	47.19
08 52 16 00-0624	EA 31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	493.88 79.48	48.24
08 52 16 00-0625	EA 35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	528.27 85.52	50.34
08 52 16 00-0626	EA 40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	563.97 91.61	53.48
08 52 16 00-0627	EA 48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	617.25 100.59	57.15

**08 Openings****08 50 Windows****08 52 Wood Windows**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 52 16 00-0628	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	651.90	59.78
		<i>For Tempered Low-E Insulated Glass, Add</i>	106.68	
08 52 16 00-0629	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	704.14	62.92
		<i>For Tempered Low-E Insulated Glass, Add</i>	115.66	
08 52 16 00-0630	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	721.23	66.06
		<i>For Tempered Low-E Insulated Glass, Add</i>	118.03	
08 52 16 00-0631	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	772.89	69.22
		<i>For Tempered Low-E Insulated Glass, Add</i>	126.89	
08 52 16 00-0632	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,193.67	76.55
		<i>For Tempered Low-E Insulated Glass, Add</i>	208.32	

**08 52 16 00-0633 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)** (08 52 16 00-0609)

08 52 16 00-0634	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	469.62	47.19
		<i>For Tempered Low-E Insulated Glass, Add</i>	75.26	
08 52 16 00-0635	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	499.47	49.29
		<i>For Tempered Low-E Insulated Glass, Add</i>	80.39	
08 52 16 00-0636	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	519.83	50.34
		<i>For Tempered Low-E Insulated Glass, Add</i>	83.83	
08 52 16 00-0637	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	554.91	52.43
		<i>For Tempered Low-E Insulated Glass, Add</i>	90.01	
08 52 16 00-0638	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	590.61	55.58
		<i>For Tempered Low-E Insulated Glass, Add</i>	96.10	
08 52 16 00-0639	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	645.49	59.25
		<i>For Tempered Low-E Insulated Glass, Add</i>	105.40	
08 52 16 00-0640	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	680.15	61.87
		<i>For Tempered Low-E Insulated Glass, Add</i>	111.49	
08 52 16 00-0641	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	732.37	65.02
		<i>For Tempered Low-E Insulated Glass, Add</i>	120.47	
08 52 16 00-0642	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	747.59	68.16
		<i>For Tempered Low-E Insulated Glass, Add</i>	122.46	
08 52 16 00-0643	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	797.62	71.31
		<i>For Tempered Low-E Insulated Glass, Add</i>	131.00	
08 52 16 00-0644	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,256.35	78.65
		<i>For Tempered Low-E Insulated Glass, Add</i>	220.02	

**08 52 16 00-0645 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)** (08 52 16 00-0609)

08 52 16 00-0646	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	469.01	49.29
		<i>For Tempered Low-E Insulated Glass, Add</i>	74.30	
08 52 16 00-0647	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	514.89	51.39
		<i>For Tempered Low-E Insulated Glass, Add</i>	82.63	
08 52 16 00-0648	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	544.42	52.43
		<i>For Tempered Low-E Insulated Glass, Add</i>	87.91	
08 52 16 00-0649	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	599.18	54.53
		<i>For Tempered Low-E Insulated Glass, Add</i>	98.02	
08 52 16 00-0650	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	654.13	57.67
		<i>For Tempered Low-E Insulated Glass, Add</i>	107.96	
08 52 16 00-0651	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	734.66	61.35
		<i>For Tempered Low-E Insulated Glass, Add</i>	122.39	
08 52 16 00-0652	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	786.95	63.97
		<i>For Tempered Low-E Insulated Glass, Add</i>	132.01	
08 52 16 00-0653	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	866.43	67.11
		<i>For Tempered Low-E Insulated Glass, Add</i>	146.44	
08 52 16 00-0654	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	895.82	70.27
		<i>For Tempered Low-E Insulated Glass, Add</i>	151.27	
08 52 16 00-0655	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,112.44	73.41
		<i>For Tempered Low-E Insulated Glass, Add</i>	193.12	
08 52 16 00-0656	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,290.58	80.75
		<i>For Tempered Low-E Insulated Glass, Add</i>	226.03	

**08 52 16 00-0657 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)** (08 52 16 00-0609)

08 52 16 00-0658	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	544.42	52.43
		<i>For Tempered Low-E Insulated Glass, Add</i>	87.91	
08 52 16 00-0659	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	576.11	54.01
		<i>For Tempered Low-E Insulated Glass, Add</i>	93.62	
08 52 16 00-0660	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	619.74	56.10
		<i>For Tempered Low-E Insulated Glass, Add</i>	101.51	
08 52 16 00-0661	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	668.49	58.73
		<i>For Tempered Low-E Insulated Glass, Add</i>	110.21	
08 52 16 00-0662	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	739.43	62.92
		<i>For Tempered Low-E Insulated Glass, Add</i>	122.72	
08 52 16 00-0663	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	788.49	65.02
		<i>For Tempered Low-E Insulated Glass, Add</i>	131.69	
08 52 16 00-0664	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	858.38	69.22
		<i>For Tempered Low-E Insulated Glass, Add</i>	144.20	
08 52 16 00-0665	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	907.14	71.31
		<i>For Tempered Low-E Insulated Glass, Add</i>	152.90	
08 52 16 00-0666	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	978.38	74.98
		<i>For Tempered Low-E Insulated Glass, Add</i>	165.68	
08 52 16 00-0667	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,376.40	81.80
		<i>For Tempered Low-E Insulated Glass, Add</i>	242.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0668			<b>35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0669	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	619.74	56.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	101.51	
08 52 16 00-0670	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	681.87	58.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	113.09	
08 52 16 00-0671	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	736.82	60.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	123.03	
08 52 16 00-0672	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	817.34	65.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	137.46	
08 52 16 00-0673	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	871.24	67.11
			<i>For Tempered Low-E Insulated Glass, Add</i>	147.40	
08 52 16 00-0674	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	949.13	71.31
			<i>For Tempered Low-E Insulated Glass, Add</i>	161.51	
08 52 16 00-0675	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	828.78	73.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	136.39	
08 52 16 00-0676	EA		71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	889.94	77.08
			<i>For Tempered Low-E Insulated Glass, Add</i>	147.16	
08 52 16 00-0677			<b>40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0678	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	721.95	60.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	121.11	
08 52 16 00-0679	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	822.15	65.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	138.42	
08 52 16 00-0680			<b>48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0681	EA		35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series).....	865.44	65.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	147.08	
08 52 16 00-0682	EA		40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series).....	958.87	68.16
			<i>For Tempered Low-E Insulated Glass, Add</i>	164.72	
08 52 16 00-0683	EA		48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,095.51	71.84
			<i>For Tempered Low-E Insulated Glass, Add</i>	190.37	
08 52 16 00-0684			<b>59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0685	EA		35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,072.23	70.79
			<i>For Tempered Low-E Insulated Glass, Add</i>	186.13	
08 52 16 00-0686	EA		40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,154.05	73.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	201.45	
08 52 16 00-0687			<b>71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0688	EA		24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,172.83	71.31
			<i>For Tempered Low-E Insulated Glass, Add</i>	206.04	
08 52 16 00-0689	EA		35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,213.58	77.08
			<i>For Tempered Low-E Insulated Glass, Add</i>	211.88	
08 52 16 00-0690	EA		40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,343.39	79.70
			<i>For Tempered Low-E Insulated Glass, Add</i>	236.80	
08 52 16 00-0691	EA		48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,476.04	83.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	261.65	
08 52 16 00-0692			<b>Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0608)</small>		
08 52 16 00-0693			<b>17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0692)</small>		
08 52 16 00-0694	EA		24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	367.69	43.00
			<i>For Tempered Low-E Insulated Glass, Add</i>	56.34	
08 52 16 00-0695	EA		28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	395.94	45.09
			<i>For Tempered Low-E Insulated Glass, Add</i>	61.15	
08 52 16 00-0696	EA		31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	414.58	46.66
			<i>For Tempered Low-E Insulated Glass, Add</i>	64.25	
08 52 16 00-0697	EA		35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	444.96	48.77
			<i>For Tempered Low-E Insulated Glass, Add</i>	69.49	
08 52 16 00-0698	EA		40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	477.46	51.39
			<i>For Tempered Low-E Insulated Glass, Add</i>	74.94	
08 52 16 00-0699	EA		48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	527.54	55.58
			<i>For Tempered Low-E Insulated Glass, Add</i>	83.27	
08 52 16 00-0700	EA		52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	557.38	57.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	88.40	
08 52 16 00-0701	EA		59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	604.80	61.87
			<i>For Tempered Low-E Insulated Glass, Add</i>	96.42	
08 52 16 00-0702	EA		64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	637.30	63.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	101.87	
08 52 16 00-0703	EA		71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	684.72	67.64
			<i>For Tempered Low-E Insulated Glass, Add</i>	109.89	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-0704		<b>20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0692)		
08 52 16 00-0705	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	390.07	45.09
		<i>For Tempered Low-E Insulated Glass, Add</i>	60.19	
08 52 16 00-0706	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	418.32	47.19
		<i>For Tempered Low-E Insulated Glass, Add</i>	65.00	
08 52 16 00-0707	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	435.41	48.24
		<i>For Tempered Low-E Insulated Glass, Add</i>	67.79	
08 52 16 00-0708	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	468.95	50.34
		<i>For Tempered Low-E Insulated Glass, Add</i>	73.65	
08 52 16 00-0709	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	501.45	53.48
		<i>For Tempered Low-E Insulated Glass, Add</i>	79.11	
08 52 16 00-0710	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	549.92	57.15
		<i>For Tempered Low-E Insulated Glass, Add</i>	87.12	
08 52 16 00-0711	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	581.36	59.78
		<i>For Tempered Low-E Insulated Glass, Add</i>	92.57	
08 52 16 00-0712	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	627.18	62.92
		<i>For Tempered Low-E Insulated Glass, Add</i>	100.27	
08 52 16 00-0713	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	661.28	66.06
		<i>For Tempered Low-E Insulated Glass, Add</i>	106.04	
08 52 16 00-0714	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	707.10	69.22
		<i>For Tempered Low-E Insulated Glass, Add</i>	113.74	
08 52 16 00-0715		<b>24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0692)		
08 52 16 00-0716	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	415.11	47.19
		<i>For Tempered Low-E Insulated Glass, Add</i>	64.36	
08 52 16 00-0717	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	443.36	49.29
		<i>For Tempered Low-E Insulated Glass, Add</i>	69.17	
08 52 16 00-0718	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	458.64	50.34
		<i>For Tempered Low-E Insulated Glass, Add</i>	71.59	
08 52 16 00-0719	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	492.38	52.43
		<i>For Tempered Low-E Insulated Glass, Add</i>	77.50	
08 52 16 00-0720	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	524.88	55.58
		<i>For Tempered Low-E Insulated Glass, Add</i>	82.95	
08 52 16 00-0721	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	573.35	59.25
		<i>For Tempered Low-E Insulated Glass, Add</i>	90.97	
08 52 16 00-0722	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	604.80	61.87
		<i>For Tempered Low-E Insulated Glass, Add</i>	96.42	
08 52 16 00-0723	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	652.21	65.02
		<i>For Tempered Low-E Insulated Glass, Add</i>	104.44	
08 52 16 00-0724	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	684.72	68.16
		<i>For Tempered Low-E Insulated Glass, Add</i>	109.89	
08 52 16 00-0725	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	732.15	71.31
		<i>For Tempered Low-E Insulated Glass, Add</i>	117.90	
08 52 16 00-0726		<b>28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0692)		
08 52 16 00-0727	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	417.71	49.29
		<i>For Tempered Low-E Insulated Glass, Add</i>	64.04	
08 52 16 00-0728	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	455.57	51.39
		<i>For Tempered Low-E Insulated Glass, Add</i>	70.77	
08 52 16 00-0729	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	476.43	52.43
		<i>For Tempered Low-E Insulated Glass, Add</i>	74.31	
08 52 16 00-0730	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	496.57	54.53
		<i>For Tempered Low-E Insulated Glass, Add</i>	77.50	
08 52 16 00-0731	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	567.55	57.67
		<i>For Tempered Low-E Insulated Glass, Add</i>	90.65	
08 52 16 00-0732	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	632.06	61.35
		<i>For Tempered Low-E Insulated Glass, Add</i>	101.87	
08 52 16 00-0733	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	674.72	63.97
		<i>For Tempered Low-E Insulated Glass, Add</i>	109.57	
08 52 16 00-0734	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	738.18	67.11
		<i>For Tempered Low-E Insulated Glass, Add</i>	120.79	
08 52 16 00-0735	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	783.50	70.27
		<i>For Tempered Low-E Insulated Glass, Add</i>	128.81	
08 52 16 00-0736	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	846.96	73.41
		<i>For Tempered Low-E Insulated Glass, Add</i>	140.03	
08 52 16 00-0737		<b>31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0692)		
08 52 16 00-0738	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	476.43	52.43
		<i>For Tempered Low-E Insulated Glass, Add</i>	74.31	
08 52 16 00-0739	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	502.69	54.01
		<i>For Tempered Low-E Insulated Glass, Add</i>	78.94	
08 52 16 00-0740	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	538.16	56.10
		<i>For Tempered Low-E Insulated Glass, Add</i>	85.19	
08 52 16 00-0741	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	578.75	58.73
		<i>For Tempered Low-E Insulated Glass, Add</i>	92.26	
08 52 16 00-0742	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	637.45	62.92
		<i>For Tempered Low-E Insulated Glass, Add</i>	102.32	
08 52 16 00-0743	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	676.99	65.02
		<i>For Tempered Low-E Insulated Glass, Add</i>	109.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0744	EA		59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	734.65 119.45	69.22
08 52 16 00-0745	EA		64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	773.89 126.25	71.31
08 52 16 00-0746	EA		71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	831.53 136.31	74.98
<b>08 52 16 00-0747</b>			<b>35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0692)</small>		
08 52 16 00-0748	EA		31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	538.16 85.19	56.10
08 52 16 00-0749	EA		35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	590.49 94.82	58.21
08 52 16 00-0750	EA		40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	634.21 102.51	60.83
08 52 16 00-0751	EA		48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	700.31 114.06	65.02
08 52 16 00-0752	EA		52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	742.99 121.75	67.11
08 52 16 00-0753	EA		59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	806.44 132.97	71.31
08 52 16 00-0754	EA		64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	850.17 140.67	73.41
08 52 16 00-0755	EA		71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	913.62 151.89	77.08
<b>08 52 16 00-0756</b>			<b>Horizontal Sliding Wood Clad Windows</b> <small>(08 52 16)</small> Note: Sliding windows open horizontally with one or more operating sashes combined with stationary sashes		
<b>08 52 16 00-0757</b>			<b>One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0756)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0758</b>			<b>17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0759	EA		47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	439.36 65.85	55.58
<b>08 52 16 00-0760</b>			<b>23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0761	EA		35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	404.58 60.15	51.39
08 52 16 00-0762	EA		47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	472.56 71.23	58.73
<b>08 52 16 00-0763</b>			<b>35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0764	EA		35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	472.56 71.23	58.73
08 52 16 00-0765	EA		47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	540.55 82.31	65.02
08 52 16 00-0766	EA		59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	608.53 93.39	70.79
08 52 16 00-0767	EA		71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	676.52 104.47	77.08
<b>08 52 16 00-0768</b>			<b>41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0769	EA		35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	507.35 76.93	61.87
08 52 16 00-0770	EA		47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	573.75 87.69	68.16
08 52 16 00-0771	EA		59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	641.73 98.77	73.93
08 52 16 00-0772	EA		71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	765.13 120.94	80.23
<b>08 52 16 00-0773</b>			<b>47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0774	EA		35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	540.55 82.31	65.02
08 52 16 00-0775	EA		47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	608.53 93.39	71.31
08 52 16 00-0776	EA		59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	676.52 104.47	77.08
08 52 16 00-0777	EA		71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	744.51 115.55	83.37

**08 Openings****08 50 Windows****08 52 Wood Windows**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 52 16 00-0778	53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0778)</small>		
08 52 16 00-0779	EA 47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	641.73	74.46
	<i>For Tempered Clear Insulated Glass, Add</i>	98.77	
08 52 16 00-0780	EA 59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	709.72	80.23
	<i>For Tempered Clear Insulated Glass, Add</i>	109.85	
08 52 16 00-0781	EA 71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	777.71	86.51
	<i>For Tempered Clear Insulated Glass, Add</i>	120.94	
08 52 16 00-0782	59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0782)</small>		
08 52 16 00-0783	EA 47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	676.52	77.60
	<i>For Tempered Clear Insulated Glass, Add</i>	104.47	
08 52 16 00-0784	EA 59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	744.51	83.37
	<i>For Tempered Clear Insulated Glass, Add</i>	115.55	
08 52 16 00-0785	EA 71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	812.61	89.67
	<i>For Tempered Clear Insulated Glass, Add</i>	126.66	
08 52 16 00-0786	Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small>		
	Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0787	22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0787)</small>		
08 52 16 00-0788	EA 35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	960.02	51.39
	<i>For Tempered Low-E Insulated Glass, Add</i>	171.24	
08 52 16 00-0789	EA 47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,141.97	58.73
	<i>For Tempered Low-E Insulated Glass, Add</i>	205.11	
08 52 16 00-0790	35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0790)</small>		
08 52 16 00-0791	EA 35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,156.22	58.73
	<i>For Tempered Low-E Insulated Glass, Add</i>	207.96	
08 52 16 00-0792	EA 47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,339.76	65.02
	<i>For Tempered Low-E Insulated Glass, Add</i>	242.15	
08 52 16 00-0793	EA 59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,521.72	70.79
	<i>For Tempered Low-E Insulated Glass, Add</i>	276.03	
08 52 16 00-0794	EA 71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,703.68	77.08
	<i>For Tempered Low-E Insulated Glass, Add</i>	309.90	
08 52 16 00-0795	41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0795)</small>		
08 52 16 00-0796	EA 35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,248.00	61.87
	<i>For Tempered Low-E Insulated Glass, Add</i>	225.06	
08 52 16 00-0797	EA 47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,429.95	68.16
	<i>For Tempered Low-E Insulated Glass, Add</i>	258.93	
08 52 16 00-0798	EA 59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,613.49	73.93
	<i>For Tempered Low-E Insulated Glass, Add</i>	293.13	
08 52 16 00-0799	EA 71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,795.45	80.23
	<i>For Tempered Low-E Insulated Glass, Add</i>	327.00	
08 52 16 00-0800	47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0800)</small>		
08 52 16 00-0801	EA 35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,339.76	65.02
	<i>For Tempered Low-E Insulated Glass, Add</i>	242.15	
08 52 16 00-0802	EA 47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,521.72	71.31
	<i>For Tempered Low-E Insulated Glass, Add</i>	276.03	
08 52 16 00-0803	EA 59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,703.68	77.08
	<i>For Tempered Low-E Insulated Glass, Add</i>	309.90	
08 52 16 00-0804	EA 71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,887.22	83.37
	<i>For Tempered Low-E Insulated Glass, Add</i>	344.10	
08 52 16 00-0805	59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0805)</small>		
08 52 16 00-0806	EA 35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,521.72	71.31
	<i>For Tempered Low-E Insulated Glass, Add</i>	276.03	
08 52 16 00-0807	EA 47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,703.68	77.60
	<i>For Tempered Low-E Insulated Glass, Add</i>	309.90	
08 52 16 00-0808	EA 59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,887.22	83.37
	<i>For Tempered Low-E Insulated Glass, Add</i>	344.10	
08 52 16 00-0809	EA 71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,069.17	89.67
	<i>For Tempered Low-E Insulated Glass, Add</i>	377.97	
08 52 16 00-0810	Picture Wood Clad Windows <small>(08 52 16)</small>		
	Note: Picture windows are fixed windows.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0811			Picture Wood Clad Windows For Awning And Casement Windows (08 52 16 00-0810)		
08 52 16 00-0812			Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0811)		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0813			12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0814	EA		40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	345.10	41.95
			For Tempered Clear Insulated Glass, Add	52.24	
08 52 16 00-0815	EA		48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	402.97	46.14
			For Tempered Clear Insulated Glass, Add	62.14	
08 52 16 00-0816	EA		52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	427.87	48.24
			For Tempered Clear Insulated Glass, Add	66.28	
08 52 16 00-0817	EA		59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	463.98	52.43
			For Tempered Clear Insulated Glass, Add	72.03	
08 52 16 00-0818	EA		64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	488.78	54.53
			For Tempered Clear Insulated Glass, Add	75.94	
08 52 16 00-0819	EA		71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	524.89	58.73
			For Tempered Clear Insulated Glass, Add	81.70	
08 52 16 00-0820			35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0821	EA		35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	384.57	51.39
			For Tempered Clear Insulated Glass, Add	56.36	
08 52 16 00-0822	EA		40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	443.05	54.53
			For Tempered Clear Insulated Glass, Add	67.01	
08 52 16 00-0823	EA		48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	529.36	58.21
			For Tempered Clear Insulated Glass, Add	82.59	
08 52 16 00-0824	EA		52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	585.49	60.30
			For Tempered Clear Insulated Glass, Add	92.98	
08 52 16 00-0825	EA		59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	669.46	63.97
			For Tempered Clear Insulated Glass, Add	108.30	
08 52 16 00-0826	EA		64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	727.95	66.59
			For Tempered Clear Insulated Glass, Add	118.95	
08 52 16 00-0827	EA		71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,071.62	70.27
			For Tempered Clear Insulated Glass, Add	186.22	
08 52 16 00-0828			40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0829	EA		35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	443.05	54.53
			For Tempered Clear Insulated Glass, Add	67.01	
08 52 16 00-0830	EA		40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	501.54	56.63
			For Tempered Clear Insulated Glass, Add	77.66	
08 52 16 00-0831	EA		48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	587.85	60.83
			For Tempered Clear Insulated Glass, Add	93.24	
08 52 16 00-0832	EA		52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	643.98	62.92
			For Tempered Clear Insulated Glass, Add	103.63	
08 52 16 00-0833	EA		59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	727.95	67.11
			For Tempered Clear Insulated Glass, Add	118.95	
08 52 16 00-0834	EA		64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	786.42	69.22
			For Tempered Clear Insulated Glass, Add	129.60	
08 52 16 00-0835	EA		71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	870.39	73.41
			For Tempered Clear Insulated Glass, Add	144.92	
08 52 16 00-0836			48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0837	EA		35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	529.36	58.73
			For Tempered Clear Insulated Glass, Add	82.59	
08 52 16 00-0838	EA		40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	587.85	60.83
			For Tempered Clear Insulated Glass, Add	93.24	
08 52 16 00-0839	EA		48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	674.15	65.02
			For Tempered Clear Insulated Glass, Add	108.82	
08 52 16 00-0840	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	730.29	67.11
			For Tempered Clear Insulated Glass, Add	119.21	
08 52 16 00-0841	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	814.25	71.31
			For Tempered Clear Insulated Glass, Add	134.54	
08 52 16 00-0842	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	872.74	73.41
			For Tempered Clear Insulated Glass, Add	145.18	
08 52 16 00-0843	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	956.70	77.60
			For Tempered Clear Insulated Glass, Add	160.51	
08 52 16 00-0844			52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0845	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	585.49	60.83
			For Tempered Clear Insulated Glass, Add	92.98	
08 52 16 00-0846	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	643.98	62.92
			For Tempered Clear Insulated Glass, Add	103.63	
08 52 16 00-0847	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	730.29	67.11
			For Tempered Clear Insulated Glass, Add	119.21	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 52 16 00-0848	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series) .....	786.42		69.22
		<i>For Tempered Clear Insulated Glass, Add</i>	129.60		
08 52 16 00-0849	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series) .....	870.39		73.41
		<i>For Tempered Clear Insulated Glass, Add</i>	144.92		
08 52 16 00-0850	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series) .....	928.88		75.50
		<i>For Tempered Clear Insulated Glass, Add</i>	155.57		
08 52 16 00-0851	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series) .....	1,089.45		79.70
		<i>For Tempered Clear Insulated Glass, Add</i>	186.22		
<b>08 52 16 00-0852</b>		<b>59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0812)</small>			
08 52 16 00-0853	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series) .....	669.46		63.97
		<i>For Tempered Clear Insulated Glass, Add</i>	108.30		
08 52 16 00-0854	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series) .....	727.95		67.11
		<i>For Tempered Clear Insulated Glass, Add</i>	118.95		
08 52 16 00-0855	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series) .....	814.25		70.79
		<i>For Tempered Clear Insulated Glass, Add</i>	134.54		
08 52 16 00-0856	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series) .....	870.39		72.88
		<i>For Tempered Clear Insulated Glass, Add</i>	144.92		
08 52 16 00-0857	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series) .....	954.35		76.55
		<i>For Tempered Clear Insulated Glass, Add</i>	160.25		
08 52 16 00-0858	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series) .....	1,012.83		79.18
		<i>For Tempered Clear Insulated Glass, Add</i>	170.90		
08 52 16 00-0859	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series) .....	1,096.79		82.85
		<i>For Tempered Clear Insulated Glass, Add</i>	186.22		
<b>08 52 16 00-0860</b>		<b>64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0812)</small>			
08 52 16 00-0861	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series) .....	727.95		67.11
		<i>For Tempered Clear Insulated Glass, Add</i>	118.95		
08 52 16 00-0862	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series) .....	786.42		69.22
		<i>For Tempered Clear Insulated Glass, Add</i>	129.60		
08 52 16 00-0863	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series) .....	872.74		73.41
		<i>For Tempered Clear Insulated Glass, Add</i>	145.18		
08 52 16 00-0864	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series) .....	928.88		75.50
		<i>For Tempered Clear Insulated Glass, Add</i>	155.57		
08 52 16 00-0865	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series) .....	1,089.45		79.70
		<i>For Tempered Clear Insulated Glass, Add</i>	186.22		
<b>08 52 16 00-0866</b>		<b>71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0812)</small>			
08 52 16 00-0867	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series) .....	811.90		70.27
		<i>For Tempered Clear Insulated Glass, Add</i>	134.28		
08 52 16 00-0868	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series) .....	870.39		73.41
		<i>For Tempered Clear Insulated Glass, Add</i>	144.92		
08 52 16 00-0869	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series) .....	956.70		77.08
		<i>For Tempered Clear Insulated Glass, Add</i>	160.51		
08 52 16 00-0870	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series) .....	1,012.83		79.18
		<i>For Tempered Clear Insulated Glass, Add</i>	170.90		
08 52 16 00-0871	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series) .....	1,096.79		82.85
		<i>For Tempered Clear Insulated Glass, Add</i>	186.22		
<b>08 52 16 00-0872</b>		<b>Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0811)</small>			
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.			
<b>08 52 16 00-0873</b>		<b>12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0872)</small>			
08 52 16 00-0874	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) .....	406.37		41.95
		<i>For Tempered Low-E Insulated Glass, Add</i>	64.49		
08 52 16 00-0875	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) .....	475.84		46.14
		<i>For Tempered Low-E Insulated Glass, Add</i>	76.71		
08 52 16 00-0876	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) .....	505.60		48.24
		<i>For Tempered Low-E Insulated Glass, Add</i>	81.82		
08 52 16 00-0877	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) .....	548.46		52.43
		<i>For Tempered Low-E Insulated Glass, Add</i>	88.93		
08 52 16 00-0878	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) .....	577.85		54.53
		<i>For Tempered Low-E Insulated Glass, Add</i>	93.76		
08 52 16 00-0879	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) .....	620.70		58.73
		<i>For Tempered Low-E Insulated Glass, Add</i>	100.86		
<b>08 52 16 00-0880</b>		<b>35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0872)</small>			
08 52 16 00-0881	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) .....	450.67		51.39
		<i>For Tempered Low-E Insulated Glass, Add</i>	69.58		
08 52 16 00-0882	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) .....	521.64		54.53
		<i>For Tempered Low-E Insulated Glass, Add</i>	82.73		
08 52 16 00-0883	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) .....	626.22		58.21
		<i>For Tempered Low-E Insulated Glass, Add</i>	101.96		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0884	EA		52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	694.54	60.30
			<i>For Tempered Low-E Insulated Glass, Add</i>	114.79	
08 52 16 00-0885	EA		59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	796.48	63.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	133.71	
08 52 16 00-0886	EA		64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	867.46	66.59
			<i>For Tempered Low-E Insulated Glass, Add</i>	146.85	
08 52 16 00-0887	EA		71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,290.03	70.27
			<i>For Tempered Low-E Insulated Glass, Add</i>	229.90	
<b>08 52 16 00-0888</b>			<b>40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>		
08 52 16 00-0889	EA		35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	521.64	54.53
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.73	
08 52 16 00-0890	EA		40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	592.62	56.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	95.87	
08 52 16 00-0891	EA		48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	697.21	60.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	115.11	
08 52 16 00-0892	EA		52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	765.52	62.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	127.94	
08 52 16 00-0893	EA		59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	867.46	67.11
			<i>For Tempered Low-E Insulated Glass, Add</i>	146.85	
08 52 16 00-0894	EA		64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	938.43	69.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	160.00	
08 52 16 00-0895	EA		71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,040.37	73.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	178.92	
<b>08 52 16 00-0896</b>			<b>48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>		
08 52 16 00-0897	EA		35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	626.22	58.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	101.96	
08 52 16 00-0898	EA		40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	697.21	60.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	115.11	
08 52 16 00-0899	EA		48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	801.78	65.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	134.35	
08 52 16 00-0900	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	870.11	67.11
			<i>For Tempered Low-E Insulated Glass, Add</i>	147.18	
08 52 16 00-0901	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	972.04	71.31
			<i>For Tempered Low-E Insulated Glass, Add</i>	166.09	
08 52 16 00-0902	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,043.02	73.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	179.24	
08 52 16 00-0903	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,144.95	77.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	198.16	
<b>08 52 16 00-0904</b>			<b>52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>		
08 52 16 00-0905	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	694.54	60.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	114.79	
08 52 16 00-0906	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	765.52	62.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	127.94	
08 52 16 00-0907	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	870.11	67.11
			<i>For Tempered Low-E Insulated Glass, Add</i>	147.18	
08 52 16 00-0908	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	938.43	69.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	160.00	
08 52 16 00-0909	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,040.37	73.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	178.92	
08 52 16 00-0910	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,111.34	75.50
			<i>For Tempered Low-E Insulated Glass, Add</i>	192.07	
08 52 16 00-0911	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,307.86	79.70
			<i>For Tempered Low-E Insulated Glass, Add</i>	229.90	
<b>08 52 16 00-0912</b>			<b>59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>		
08 52 16 00-0913	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	796.48	63.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	133.71	
08 52 16 00-0914	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	867.46	67.11
			<i>For Tempered Low-E Insulated Glass, Add</i>	146.85	
08 52 16 00-0915	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	972.04	70.79
			<i>For Tempered Low-E Insulated Glass, Add</i>	166.09	
08 52 16 00-0916	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,040.37	72.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	178.92	
08 52 16 00-0917	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,142.30	76.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	197.84	
08 52 16 00-0918	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,213.27	79.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	210.98	
08 52 16 00-0919	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,315.20	82.85
			<i>For Tempered Low-E Insulated Glass, Add</i>	229.90	
<b>08 52 16 00-0920</b>			<b>64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>		
08 52 16 00-0921	EA		35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	867.46	67.11
			<i>For Tempered Low-E Insulated Glass, Add</i>	146.85	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-0922	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	938.43 160.00	69.22
08 52 16 00-0923	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,043.02 179.24	73.41
08 52 16 00-0924	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,111.34 192.07	75.50
08 52 16 00-0925	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,307.86 229.90	79.70
<b>08 52 16 00-0926</b>		<b>71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>		
08 52 16 00-0927	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	969.38 165.77	70.27
08 52 16 00-0928	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,040.37 178.92	73.41
08 52 16 00-0929	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,144.95 198.16	77.08
08 52 16 00-0930	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,213.27 210.98	79.18
08 52 16 00-0931	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,315.20 229.90	82.85
<b>08 52 16 00-0932</b>		<b>Picture Wood Clad Windows For Double Hung Windows (08 52 16 00-0810)</b>		
<b>08 52 16 00-0933</b>		<b>Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0932)</b> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0934</b>		<b>35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0935	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	493.33 72.45	65.54
08 52 16 00-0936	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	506.42 74.44	67.11
<b>08 52 16 00-0937</b>		<b>47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0938	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	506.42 74.44	67.11
08 52 16 00-0939	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	613.98 90.92	79.70
<b>08 52 16 00-0940</b>		<b>53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0941	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	574.71 84.95	74.98
08 52 16 00-0942	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	587.81 86.94	76.55
<b>08 52 16 00-0943</b>		<b>56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0944	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	493.33 72.45	66.06
08 52 16 00-0945	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	574.71 84.95	74.98
<b>08 52 16 00-0946</b>		<b>59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0947	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	506.42 74.44	67.11
08 52 16 00-0948	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	587.81 86.94	76.55
08 52 16 00-0949	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	613.98 90.92	79.70
08 52 16 00-0950	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	641.58 95.18	82.85
<b>08 52 16 00-0951</b>		<b>65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0952	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	641.58 95.18	82.85
<b>08 52 16 00-0953</b>		<b>71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0954	EA		47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	613.98 90.92	79.70
<b>08 52 16 00-0955</b>			<b>Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0932)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0956</b>			<b>48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0955)</small>		
08 52 16 00-0957	EA		12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	543.21 88.93	49.29
08 52 16 00-0958	EA		37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	756.95 126.43	62.92
08 52 16 00-0959	EA		41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	789.56 132.11	64.49
08 52 16 00-0960	EA		47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	838.46 140.64	67.64
08 52 16 00-0961	EA		51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	871.07 146.32	70.27
08 52 16 00-0962	EA		59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	937.70 157.97	73.93
08 52 16 00-0963	EA		67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,004.34 169.62	78.65
<b>08 52 16 00-0964</b>			<b>52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0955)</small>		
08 52 16 00-0965	EA		12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	577.24 94.89	51.39
08 52 16 00-0966	EA		37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	789.56 132.11	65.02
08 52 16 00-0967	EA		41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	823.59 138.08	66.59
08 52 16 00-0968	EA		47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	871.07 146.32	69.74
08 52 16 00-0969	EA		51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	905.10 152.29	72.36
08 52 16 00-0970	EA		59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	971.72 163.93	76.03
08 52 16 00-0971	EA		67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,038.36 175.58	80.75
<b>08 52 16 00-0972</b>			<b>56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0955)</small>		
08 52 16 00-0973	EA		12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	609.84 100.58	53.48
08 52 16 00-0974	EA		37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	823.59 138.08	67.11
08 52 16 00-0975	EA		41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	856.19 143.76	68.69
08 52 16 00-0976	EA		47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	905.10 152.29	71.84
08 52 16 00-0977	EA		51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	937.70 157.97	74.46
08 52 16 00-0978	EA		59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,004.34 169.62	78.12
08 52 16 00-0979	EA		67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,072.40 181.55	82.85
<b>08 52 16 00-0980</b>			<b>60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0955)</small>		
08 52 16 00-0981	EA		12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	643.88 106.54	55.58
08 52 16 00-0982	EA		37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	856.19 143.76	69.22
08 52 16 00-0983	EA		41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	890.21 149.73	70.79
08 52 16 00-0984	EA		47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	937.70 157.97	73.93
08 52 16 00-0985	EA		51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	971.72 163.93	76.55
08 52 16 00-0986	EA		59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,038.36 175.58	80.23
08 52 16 00-0987	EA		67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,105.00 187.23	84.94
<b>08 52 16 00-0988</b>			<b>64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0955)</small>		
08 52 16 00-0989	EA		12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	676.49 112.23	57.67

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-0990	EA 37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	890.21 149.73	71.31
08 52 16 00-0991	EA 41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	924.24 155.69	72.88
08 52 16 00-0992	EA 47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	971.72 163.93	76.03
08 52 16 00-0993	EA 51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,004.34 169.62	78.65
08 52 16 00-0994	EA 59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,072.40 181.55	82.32
08 52 16 00-0995	EA 67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,139.02 193.20	87.04
<b>08 52 16 00-0996</b>	<b>68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0995)</b>		
08 52 16 00-0997	EA 12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	710.51 118.19	59.78
08 52 16 00-0998	EA 37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	924.24 155.69	73.41
08 52 16 00-0999	EA 41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	956.85 161.38	74.98
08 52 16 00-1000	EA 47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,004.34 169.62	78.12
08 52 16 00-1001	EA 51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,038.36 175.58	80.75
08 52 16 00-1002	EA 59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,105.00 187.23	84.42
08 52 16 00-1003	EA 67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,171.63 198.88	89.13
<b>08 52 16 00-1004</b>	<b>72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0995)</b>		
08 52 16 00-1005	EA 12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	743.12 123.87	61.87
08 52 16 00-1006	EA 37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	956.85 161.38	75.50
08 52 16 00-1007	EA 41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	990.88 167.34	77.08
08 52 16 00-1008	EA 47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,038.36 175.58	80.23
08 52 16 00-1009	EA 51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,072.40 181.55	82.85
08 52 16 00-1010	EA 59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,139.02 193.20	86.51
08 52 16 00-1011	EA 67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,205.65 204.85	91.24
<b>08 52 16 00-1012</b>	<b>76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0995)</b>		
08 52 16 00-1013	EA 12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	777.14 129.84	63.97
08 52 16 00-1014	EA 37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	990.88 167.34	77.60
08 52 16 00-1015	EA 41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,023.48 173.03	79.18
08 52 16 00-1016	EA 47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,072.40 181.55	82.32
08 52 16 00-1017	EA 51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,105.00 187.23	84.94
08 52 16 00-1018	EA 59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,171.63 198.88	88.61
08 52 16 00-1019	EA 67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,238.26 210.53	93.33
08 52 16 00-1020	Picture Wood Clad Windows For Horizontal Sliding Windows (08 52 16 00-0810)		
08 52 16 00-1021	Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1020) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1022	35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1023	EA 56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	493.33 72.45	65.54
08 52 16 00-1024	EA 59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	506.42 74.44	67.11
08 52 16 00-1025	47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1026	EA		47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	506.42 74.44	67.11
08 52 16 00-1027	EA		71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	613.98 90.92	79.70
<b>08 52 16 00-1028</b>			<b>53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series)</b> <small>(08 52 16 00-1021)</small>		
08 52 16 00-1029	EA		56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	574.71 84.95	74.98
08 52 16 00-1030	EA		59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	587.81 86.94	76.55
<b>08 52 16 00-1031</b>			<b>56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series)</b> <small>(08 52 16 00-1021)</small>		
08 52 16 00-1032	EA		35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	493.33 72.45	66.06
08 52 16 00-1033	EA		53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	574.71 84.95	74.98
<b>08 52 16 00-1034</b>			<b>59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series)</b> <small>(08 52 16 00-1021)</small>		
08 52 16 00-1035	EA		35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	506.42 74.44	67.11
08 52 16 00-1036	EA		53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	587.81 86.94	76.55
08 52 16 00-1037	EA		59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	613.98 90.92	79.70
08 52 16 00-1038	EA		65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	641.58 95.18	82.85
<b>08 52 16 00-1039</b>			<b>65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series)</b> <small>(08 52 16 00-1021)</small>		
08 52 16 00-1040	EA		59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	641.58 95.18	82.85
<b>08 52 16 00-1041</b>			<b>71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series)</b> <small>(08 52 16 00-1021)</small>		
08 52 16 00-1042	EA		47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	613.98 90.92	79.70
<b>08 52 16 00-1043</b>			<b>Basement Wood Clad Windows</b> <small>(08 52 16)</small> Note: Basement windows are hinged at the bottom of the frame and swing outward with a crank or push out operation.		
<b>08 52 16 00-1044</b>			<b>Basement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-1043)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1045	EA		32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series) .....	263.30	41.95
08 52 16 00-1046	EA		32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series) .....	276.77	41.95
08 52 16 00-1047	EA		32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series) .....	288.62	41.95
<b>08 52 16 00-1048</b>			<b>Factory Installed Grilles For Wood Clad Windows</b> <small>(08 52 16)</small>		
<b>08 52 16 00-1049</b>			<b>Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows</b> <small>(08 52 16 00-1048)</small>		
08 52 16 00-1050	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	35.05	
08 52 16 00-1051	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	51.66	
08 52 16 00-1052	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	70.11	
08 52 16 00-1053	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	88.56	
08 52 16 00-1054	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	125.45	
<b>08 52 16 00-1055</b>			<b>Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows</b> <small>(08 52 16 00-1048)</small>		
08 52 16 00-1056	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	56.08	
08 52 16 00-1057	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	82.65	
08 52 16 00-1058	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	112.17	
08 52 16 00-1059	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	141.69	
08 52 16 00-1060	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	200.73	

**08 Openings****08 50 Windows****08 52 Wood Windows**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 52 16 00-1061	Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1062	EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	67.30	
08 52 16 00-1063	EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	99.18	
08 52 16 00-1064	EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	134.60	
08 52 16 00-1065	EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	170.03	
08 52 16 00-1066	EA >36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	240.87	

08 52 16 00-1067	Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1068	EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	80.77	
08 52 16 00-1069	EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	119.01	
08 52 16 00-1070	EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	161.52	
08 52 16 00-1071	EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	204.03	
08 52 16 00-1072	EA >36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	289.04	

**08 52 66 Wood Window Screens (08 52)**

08 52 66 00-0001	Insect Screens For Wood Clad Windows <small>(08 52 66)</small>		
08 52 66 00-0002	EA Up To 6 SF, Insect Screen For Wood Clad Windows	38.25	7.54
08 52 66 00-0003	EA >6 To 9 SF, Insect Screen For Wood Clad Windows	44.87	7.54
08 52 66 00-0004	EA >9 To 12 SF, Insect Screen For Wood Clad Windows	48.18	7.54
08 52 66 00-0005	EA >12 To 15 SF, Insect Screen For Wood Clad Windows	54.81	7.54
08 52 66 00-0006	EA >15 To 20 SF, Insect Screen For Wood Clad Windows	68.05	7.54
08 52 66 00-0007	EA >20 To 25 SF, Insect Screen For Wood Clad Windows	74.67	7.54
08 52 66 00-0008	EA >25 To 30 SF, Insect Screen For Wood Clad Windows	81.29	7.54
08 52 66 00-0009	EA >30 To 35 SF, Insect Screen For Wood Clad Windows	87.91	7.54
08 52 66 00-0010	SF >35 SF, Insect Screen For Wood Clad Windows	2.65	0.15

**08 53 Plastic Windows (08 50)****08 53 13 Vinyl Windows (08 53)**

08 53 13 00-0001	Single Hung Vinyl Windows <small>(08 53 13)</small>		
08 53 13 00-0002	New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0001)</small> Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0003	34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0004	EA 24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	224.86	48.24
	For Colored Vinyl, Add	12.84	
	For Tinted Glass, Add	15.41	
	For Low-E Insulated Glass, Add	32.10	
	For Obscure Glass, Add	35.30	
08 53 13 00-0005	EA 28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	236.21	50.34
	For Colored Vinyl, Add	13.55	
	For Tinted Glass, Add	16.26	
	For Low-E Insulated Glass, Add	33.88	
	For Obscure Glass, Add	37.27	
08 53 13 00-0006	EA 30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	241.06	51.39
	For Colored Vinyl, Add	13.83	
	For Tinted Glass, Add	16.59	
	For Low-E Insulated Glass, Add	34.57	
	For Obscure Glass, Add	38.03	
08 53 13 00-0007	EA 32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	246.29	52.43
	For Colored Vinyl, Add	14.14	
	For Tinted Glass, Add	16.97	
	For Low-E Insulated Glass, Add	35.36	
	For Obscure Glass, Add	38.89	
08 53 13 00-0008	EA 36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	259.23	54.53
	For Colored Vinyl, Add	15.02	
	For Tinted Glass, Add	18.02	
	For Low-E Insulated Glass, Add	37.54	
	For Obscure Glass, Add	41.30	
08 53 13 00-0009	EA 44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	280.84	58.73
	For Colored Vinyl, Add	16.34	
	For Tinted Glass, Add	19.61	
	For Low-E Insulated Glass, Add	40.85	
	For Obscure Glass, Add	44.93	

08 53 13 00-0010	36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0011	EA		24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	229.47	49.29
			For Colored Vinyl, Add	13.09	
			For Tinted Glass, Add	15.71	
			For Low-E Insulated Glass, Add	32.73	
			For Obscure Glass, Add	36.00	
08 53 13 00-0012	EA		28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	240.82	50.34
			For Colored Vinyl, Add	13.81	
			For Tinted Glass, Add	16.57	
			For Low-E Insulated Glass, Add	34.51	
			For Obscure Glass, Add	37.96	
08 53 13 00-0013	EA		30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	245.68	52.43
			For Colored Vinyl, Add	14.08	
			For Tinted Glass, Add	16.90	
			For Low-E Insulated Glass, Add	35.20	
			For Obscure Glass, Add	38.72	
08 53 13 00-0014	EA		32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	250.90	53.48
			For Colored Vinyl, Add	14.39	
			For Tinted Glass, Add	17.27	
			For Low-E Insulated Glass, Add	35.99	
			For Obscure Glass, Add	39.58	
08 53 13 00-0015	EA		36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	263.85	55.58
			For Colored Vinyl, Add	15.27	
			For Tinted Glass, Add	18.32	
			For Low-E Insulated Glass, Add	38.17	
			For Obscure Glass, Add	41.99	
08 53 13 00-0016	EA		44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	285.46	59.78
			For Colored Vinyl, Add	16.59	
			For Tinted Glass, Add	19.91	
			For Low-E Insulated Glass, Add	41.48	
			For Obscure Glass, Add	45.63	
08 53 13 00-0017			<b>38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> (08 53 13 00-0002)		
08 53 13 00-0018	EA		24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	233.97	50.34
			For Colored Vinyl, Add	13.33	
			For Tinted Glass, Add	15.99	
			For Low-E Insulated Glass, Add	33.32	
			For Obscure Glass, Add	36.65	
08 53 13 00-0019	EA		28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	245.32	52.43
			For Colored Vinyl, Add	14.05	
			For Tinted Glass, Add	16.85	
			For Low-E Insulated Glass, Add	35.11	
			For Obscure Glass, Add	38.62	
08 53 13 00-0020	EA		30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	250.33	53.48
			For Colored Vinyl, Add	14.34	
			For Tinted Glass, Add	17.20	
			For Low-E Insulated Glass, Add	35.84	
			For Obscure Glass, Add	39.43	
08 53 13 00-0021	EA		32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	255.56	54.53
			For Colored Vinyl, Add	14.65	
			For Tinted Glass, Add	17.58	
			For Low-E Insulated Glass, Add	36.63	
			For Obscure Glass, Add	40.29	
08 53 13 00-0022	EA		36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	268.69	56.63
			For Colored Vinyl, Add	15.54	
			For Tinted Glass, Add	18.65	
			For Low-E Insulated Glass, Add	38.86	
			For Obscure Glass, Add	42.74	
08 53 13 00-0023	EA		44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	290.54	60.83
			For Colored Vinyl, Add	16.89	
			For Tinted Glass, Add	20.27	
			For Low-E Insulated Glass, Add	42.22	
			For Obscure Glass, Add	46.44	
08 53 13 00-0024			<b>44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> (08 53 13 00-0002)		
08 53 13 00-0025	EA		24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	247.67	53.48
			For Colored Vinyl, Add	14.07	
			For Tinted Glass, Add	16.89	
			For Low-E Insulated Glass, Add	35.18	
			For Obscure Glass, Add	38.70	
08 53 13 00-0026	EA		28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	259.04	55.58
			For Colored Vinyl, Add	14.79	
			For Tinted Glass, Add	17.74	
			For Low-E Insulated Glass, Add	36.97	
			For Obscure Glass, Add	40.66	
08 53 13 00-0027	EA		30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	264.57	56.63
			For Colored Vinyl, Add	15.13	
			For Tinted Glass, Add	18.16	
			For Low-E Insulated Glass, Add	37.83	
			For Obscure Glass, Add	41.61	
08 53 13 00-0028	EA		32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	269.80	57.67
			For Colored Vinyl, Add	15.44	
			For Tinted Glass, Add	18.53	
			For Low-E Insulated Glass, Add	38.61	
			For Obscure Glass, Add	42.47	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0029	EA 36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	283.44	59.78
	For Colored Vinyl, Add	16.39	
	For Tinted Glass, Add	19.67	
	For Low-E Insulated Glass, Add	40.97	
	For Obscure Glass, Add	45.07	
08 53 13 00-0030	EA 44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	305.96	63.97
	For Colored Vinyl, Add	17.80	
	For Tinted Glass, Add	21.36	
	For Low-E Insulated Glass, Add	44.51	
	For Obscure Glass, Add	48.96	
<b>08 53 13 00-0031</b>	<b>46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> (08 53 13 00-0002)		
08 53 13 00-0032	EA 24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	252.29	54.53
	For Colored Vinyl, Add	14.32	
	For Tinted Glass, Add	17.19	
	For Low-E Insulated Glass, Add	35.81	
	For Obscure Glass, Add	39.39	
08 53 13 00-0033	EA 28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	263.65	56.63
	For Colored Vinyl, Add	15.04	
	For Tinted Glass, Add	18.05	
	For Low-E Insulated Glass, Add	37.60	
	For Obscure Glass, Add	41.36	
08 53 13 00-0034	EA 30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	269.35	57.67
	For Colored Vinyl, Add	15.40	
	For Tinted Glass, Add	18.48	
	For Low-E Insulated Glass, Add	38.50	
	For Obscure Glass, Add	42.35	
08 53 13 00-0035	EA 32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	274.57	58.73
	For Colored Vinyl, Add	15.71	
	For Tinted Glass, Add	18.85	
	For Low-E Insulated Glass, Add	39.28	
	For Obscure Glass, Add	43.21	
08 53 13 00-0036	EA 36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	288.38	60.83
	For Colored Vinyl, Add	16.67	
	For Tinted Glass, Add	20.01	
	For Low-E Insulated Glass, Add	41.68	
	For Obscure Glass, Add	45.85	
08 53 13 00-0037	EA 44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	311.14	65.02
	For Colored Vinyl, Add	18.11	
	For Tinted Glass, Add	21.73	
	For Low-E Insulated Glass, Add	45.28	
	For Obscure Glass, Add	49.81	
<b>08 53 13 00-0038</b>	<b>48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> (08 53 13 00-0002)		
08 53 13 00-0039	EA 24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	256.96	55.58
	For Colored Vinyl, Add	14.58	
	For Tinted Glass, Add	17.49	
	For Low-E Insulated Glass, Add	36.45	
	For Obscure Glass, Add	40.09	
08 53 13 00-0040	EA 28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	268.31	57.67
	For Colored Vinyl, Add	15.30	
	For Tinted Glass, Add	18.35	
	For Low-E Insulated Glass, Add	38.24	
	For Obscure Glass, Add	42.06	
08 53 13 00-0041	EA 30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	274.17	58.73
	For Colored Vinyl, Add	15.67	
	For Tinted Glass, Add	18.81	
	For Low-E Insulated Glass, Add	39.18	
	For Obscure Glass, Add	43.10	
08 53 13 00-0042	EA 32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	279.39	59.78
	For Colored Vinyl, Add	15.98	
	For Tinted Glass, Add	19.18	
	For Low-E Insulated Glass, Add	39.96	
	For Obscure Glass, Add	43.96	
08 53 13 00-0043	EA 36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	293.39	61.87
	For Colored Vinyl, Add	16.96	
	For Tinted Glass, Add	20.36	
	For Low-E Insulated Glass, Add	42.41	
	For Obscure Glass, Add	46.65	
08 53 13 00-0044	EA 44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	316.37	66.06
	For Colored Vinyl, Add	18.42	
	For Tinted Glass, Add	22.11	
	For Low-E Insulated Glass, Add	46.06	
	For Obscure Glass, Add	50.66	
<b>08 53 13 00-0045</b>	<b>50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> (08 53 13 00-0002)		
08 53 13 00-0046	EA 24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	261.45	56.63
	For Colored Vinyl, Add	14.82	
	For Tinted Glass, Add	17.78	
	For Low-E Insulated Glass, Add	37.05	
	For Obscure Glass, Add	40.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0047 EA 28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	272.80	58.73
For Colored Vinyl, Add	15.54	
For Tinted Glass, Add	18.64	
For Low-E Insulated Glass, Add	38.84	
For Obscure Glass, Add	42.72	
08 53 13 00-0048 EA 30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	278.85	59.78
For Colored Vinyl, Add	15.93	
For Tinted Glass, Add	19.12	
For Low-E Insulated Glass, Add	39.83	
For Obscure Glass, Add	43.81	
08 53 13 00-0049 EA 32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	284.07	60.83
For Colored Vinyl, Add	16.24	
For Tinted Glass, Add	19.49	
For Low-E Insulated Glass, Add	40.61	
For Obscure Glass, Add	44.67	
08 53 13 00-0050 EA 36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	298.22	62.92
For Colored Vinyl, Add	17.24	
For Tinted Glass, Add	20.69	
For Low-E Insulated Glass, Add	43.10	
For Obscure Glass, Add	47.40	
08 53 13 00-0051 EA 44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	321.42	67.11
For Colored Vinyl, Add	18.72	
For Tinted Glass, Add	22.46	
For Low-E Insulated Glass, Add	46.80	
For Obscure Glass, Add	51.48	
<b>08 53 13 00-0052 52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0053 EA 24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	265.97	57.67
For Colored Vinyl, Add	15.06	
For Tinted Glass, Add	18.07	
For Low-E Insulated Glass, Add	37.65	
For Obscure Glass, Add	41.42	
08 53 13 00-0054 EA 28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	277.31	59.78
For Colored Vinyl, Add	15.78	
For Tinted Glass, Add	18.93	
For Low-E Insulated Glass, Add	39.44	
For Obscure Glass, Add	43.38	
08 53 13 00-0055 EA 30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	283.55	60.83
For Colored Vinyl, Add	16.19	
For Tinted Glass, Add	19.43	
For Low-E Insulated Glass, Add	40.48	
For Obscure Glass, Add	44.52	
08 53 13 00-0056 EA 32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	288.77	61.87
For Colored Vinyl, Add	16.50	
For Tinted Glass, Add	19.80	
For Low-E Insulated Glass, Add	41.26	
For Obscure Glass, Add	45.38	
08 53 13 00-0057 EA 36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	303.10	63.97
For Colored Vinyl, Add	17.52	
For Tinted Glass, Add	21.02	
For Low-E Insulated Glass, Add	43.79	
For Obscure Glass, Add	48.17	
08 53 13 00-0058 EA 44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	326.53	68.16
For Colored Vinyl, Add	19.02	
For Tinted Glass, Add	22.82	
For Low-E Insulated Glass, Add	47.55	
For Obscure Glass, Add	52.31	
<b>08 53 13 00-0059 54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0060 EA 24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	270.48	58.73
For Colored Vinyl, Add	15.30	
For Tinted Glass, Add	18.36	
For Low-E Insulated Glass, Add	38.26	
For Obscure Glass, Add	42.08	
08 53 13 00-0061 EA 28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	281.83	60.83
For Colored Vinyl, Add	16.02	
For Tinted Glass, Add	19.22	
For Low-E Insulated Glass, Add	40.05	
For Obscure Glass, Add	44.05	
08 53 13 00-0062 EA 30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	288.23	61.87
For Colored Vinyl, Add	16.45	
For Tinted Glass, Add	19.74	
For Low-E Insulated Glass, Add	41.12	
For Obscure Glass, Add	45.23	
08 53 13 00-0063 EA 32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	293.44	62.92
For Colored Vinyl, Add	16.76	
For Tinted Glass, Add	20.11	
For Low-E Insulated Glass, Add	41.90	
For Obscure Glass, Add	46.09	
08 53 13 00-0064 EA 36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	307.93	65.02
For Colored Vinyl, Add	17.79	
For Tinted Glass, Add	21.35	
For Low-E Insulated Glass, Add	44.48	
For Obscure Glass, Add	48.92	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0065	EA		44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	331.58	69.22
			<i>For Colored Vinyl, Add</i>	19.32	
			<i>For Tinted Glass, Add</i>	23.18	
			<i>For Low-E Insulated Glass, Add</i>	48.29	
			<i>For Obscure Glass, Add</i>	53.12	
<b>08 53 13 00-0066</b>			<b>60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> (08 53 13 00-0002)		
08 53 13 00-0067	EA		24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	284.34	61.87
			<i>For Colored Vinyl, Add</i>	16.06	
			<i>For Tinted Glass, Add</i>	19.27	
			<i>For Low-E Insulated Glass, Add</i>	40.15	
			<i>For Obscure Glass, Add</i>	44.16	
08 53 13 00-0068	EA		28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	295.68	63.97
			<i>For Colored Vinyl, Add</i>	16.77	
			<i>For Tinted Glass, Add</i>	20.13	
			<i>For Low-E Insulated Glass, Add</i>	41.94	
			<i>For Obscure Glass, Add</i>	46.13	
08 53 13 00-0069	EA		30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	302.55	65.02
			<i>For Colored Vinyl, Add</i>	17.25	
			<i>For Tinted Glass, Add</i>	20.70	
			<i>For Low-E Insulated Glass, Add</i>	43.13	
			<i>For Obscure Glass, Add</i>	47.44	
08 53 13 00-0070	EA		32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	307.78	66.06
			<i>For Colored Vinyl, Add</i>	17.56	
			<i>For Tinted Glass, Add</i>	21.08	
			<i>For Low-E Insulated Glass, Add</i>	43.91	
			<i>For Obscure Glass, Add</i>	48.30	
08 53 13 00-0071	EA		36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	322.80	68.16
			<i>For Colored Vinyl, Add</i>	18.65	
			<i>For Tinted Glass, Add</i>	22.38	
			<i>For Low-E Insulated Glass, Add</i>	46.62	
			<i>For Obscure Glass, Add</i>	51.28	
08 53 13 00-0072	EA		44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	347.13	72.36
			<i>For Colored Vinyl, Add</i>	20.24	
			<i>For Tinted Glass, Add</i>	24.29	
			<i>For Low-E Insulated Glass, Add</i>	50.60	
			<i>For Obscure Glass, Add</i>	55.66	
<b>08 53 13 00-0073</b>			<b>62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> (08 53 13 00-0002)		
08 53 13 00-0074	EA		24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	288.84	62.92
			<i>For Colored Vinyl, Add</i>	16.30	
			<i>For Tinted Glass, Add</i>	19.56	
			<i>For Low-E Insulated Glass, Add</i>	40.75	
			<i>For Obscure Glass, Add</i>	44.83	
08 53 13 00-0075	EA		28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	300.19	65.02
			<i>For Colored Vinyl, Add</i>	17.02	
			<i>For Tinted Glass, Add</i>	20.42	
			<i>For Low-E Insulated Glass, Add</i>	42.54	
			<i>For Obscure Glass, Add</i>	46.79	
08 53 13 00-0076	EA		30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	307.28	66.06
			<i>For Colored Vinyl, Add</i>	17.51	
			<i>For Tinted Glass, Add</i>	21.02	
			<i>For Low-E Insulated Glass, Add</i>	43.79	
			<i>For Obscure Glass, Add</i>	48.16	
08 53 13 00-0077	EA		32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	312.49	67.11
			<i>For Colored Vinyl, Add</i>	17.83	
			<i>For Tinted Glass, Add</i>	21.39	
			<i>For Low-E Insulated Glass, Add</i>	44.57	
			<i>For Obscure Glass, Add</i>	49.02	
08 53 13 00-0078	EA		36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	327.67	69.22
			<i>For Colored Vinyl, Add</i>	18.93	
			<i>For Tinted Glass, Add</i>	22.71	
			<i>For Low-E Insulated Glass, Add</i>	47.31	
			<i>For Obscure Glass, Add</i>	52.04	
08 53 13 00-0079	EA		44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	352.25	73.41
			<i>For Colored Vinyl, Add</i>	20.54	
			<i>For Tinted Glass, Add</i>	24.65	
			<i>For Low-E Insulated Glass, Add</i>	51.36	
			<i>For Obscure Glass, Add</i>	56.49	
<b>08 53 13 00-0080</b>			<b>66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> (08 53 13 00-0002)		
08 53 13 00-0081	EA		24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	297.99	65.02
			<i>For Colored Vinyl, Add</i>	16.80	
			<i>For Tinted Glass, Add</i>	20.16	
			<i>For Low-E Insulated Glass, Add</i>	41.99	
			<i>For Obscure Glass, Add</i>	46.19	
08 53 13 00-0082	EA		28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	309.35	67.11
			<i>For Colored Vinyl, Add</i>	17.51	
			<i>For Tinted Glass, Add</i>	21.01	
			<i>For Low-E Insulated Glass, Add</i>	43.78	
			<i>For Obscure Glass, Add</i>	48.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0083	EA		30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	316.75	68.16
			For Colored Vinyl, Add	18.04	
			For Tinted Glass, Add	21.65	
			For Low-E Insulated Glass, Add	45.11	
			For Obscure Glass, Add	49.62	
08 53 13 00-0084	EA		32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	321.96	69.22
			For Colored Vinyl, Add	18.35	
			For Tinted Glass, Add	22.02	
			For Low-E Insulated Glass, Add	45.89	
			For Obscure Glass, Add	50.47	
08 53 13 00-0085	EA		36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	337.52	71.31
			For Colored Vinyl, Add	19.49	
			For Tinted Glass, Add	23.39	
			For Low-E Insulated Glass, Add	48.72	
			For Obscure Glass, Add	53.59	
08 53 13 00-0086	EA		44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	362.51	75.50
			For Colored Vinyl, Add	21.15	
			For Tinted Glass, Add	25.38	
			For Low-E Insulated Glass, Add	52.88	
			For Obscure Glass, Add	58.16	
<b>08 53 13 00-0087</b>			<b>72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> (08 53 13 00-0002)		
08 53 13 00-0088	EA		24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	311.85	68.16
			For Colored Vinyl, Add	17.55	
			For Tinted Glass, Add	21.06	
			For Low-E Insulated Glass, Add	43.88	
			For Obscure Glass, Add	48.27	
08 53 13 00-0089	EA		28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	323.20	70.27
			For Colored Vinyl, Add	18.27	
			For Tinted Glass, Add	21.92	
			For Low-E Insulated Glass, Add	45.67	
			For Obscure Glass, Add	50.24	
08 53 13 00-0090	EA		30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	330.61	71.31
			For Colored Vinyl, Add	18.80	
			For Tinted Glass, Add	22.56	
			For Low-E Insulated Glass, Add	47.00	
			For Obscure Glass, Add	51.69	
08 53 13 00-0091	EA		32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	335.82	72.36
			For Colored Vinyl, Add	19.11	
			For Tinted Glass, Add	22.93	
			For Low-E Insulated Glass, Add	47.78	
			For Obscure Glass, Add	52.55	
08 53 13 00-0092	EA		36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	351.36	74.46
			For Colored Vinyl, Add	20.25	
			For Tinted Glass, Add	24.29	
			For Low-E Insulated Glass, Add	50.61	
			For Obscure Glass, Add	55.67	
08 53 13 00-0093	EA		44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	376.36	78.65
			For Colored Vinyl, Add	21.91	
			For Tinted Glass, Add	26.29	
			For Low-E Insulated Glass, Add	54.77	
			For Obscure Glass, Add	60.24	
<b>08 53 13 00-0094</b>			<b>Replacement, Single Hung Vinyl Windows (Silver Line 2000)</b> (08 53 13 00-0001)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0095	EA		Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000) .....	316.11	55.05
			For Colored Vinyl, Add	20.60	
			For Tinted Glass, Add	24.72	
			For Low-E Insulated Glass, Add	51.50	
			For Obscure Glass, Add	56.65	
08 53 13 00-0096	EA		>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	346.44	60.30
			For Colored Vinyl, Add	22.59	
			For Tinted Glass, Add	27.10	
			For Low-E Insulated Glass, Add	56.46	
			For Obscure Glass, Add	62.11	
08 53 13 00-0097	EA		>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	374.77	65.54
			For Colored Vinyl, Add	24.37	
			For Tinted Glass, Add	29.24	
			For Low-E Insulated Glass, Add	60.92	
			For Obscure Glass, Add	67.01	
08 53 13 00-0098	EA		>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	396.04	70.79
			For Colored Vinyl, Add	25.45	
			For Tinted Glass, Add	30.54	
			For Low-E Insulated Glass, Add	63.62	
			For Obscure Glass, Add	69.98	
08 53 13 00-0099	EA		>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	418.11	76.03
			For Colored Vinyl, Add	26.61	
			For Tinted Glass, Add	31.93	
			For Low-E Insulated Glass, Add	66.52	
			For Obscure Glass, Add	73.17	
08 53 13 00-0100	EA		>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	452.79	81.28
			For Colored Vinyl, Add	29.03	
			For Tinted Glass, Add	34.83	
			For Low-E Insulated Glass, Add	72.56	
			For Obscure Glass, Add	79.82	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0101	UI >120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	3.78	0.68
	For Colored Vinyl, Add	0.24	
	For Tinted Glass, Add	0.29	
	For Low-E Insulated Glass, Add	0.61	
	For Obscure Glass, Add	0.67	
08 53 13 00-0102	Double Hung Vinyl Windows (08 53 13)		
08 53 13 00-0103	New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0102)		
	Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0104	34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0105	EA 24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	302.40	48.24
	For Colored Vinyl, Add	20.59	
	For Tinted Glass, Add	24.71	
	For Low-E Insulated Glass, Add	51.48	
	For Obscure Glass, Add	56.63	
08 53 13 00-0106	EA 28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	313.75	50.34
	For Colored Vinyl, Add	21.31	
	For Tinted Glass, Add	25.57	
	For Low-E Insulated Glass, Add	53.27	
	For Obscure Glass, Add	58.59	
08 53 13 00-0107	EA 30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	319.27	51.39
	For Colored Vinyl, Add	21.65	
	For Tinted Glass, Add	25.98	
	For Low-E Insulated Glass, Add	54.13	
	For Obscure Glass, Add	59.54	
08 53 13 00-0108	EA 32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	324.49	52.43
	For Colored Vinyl, Add	21.96	
	For Tinted Glass, Add	26.35	
	For Low-E Insulated Glass, Add	54.91	
	For Obscure Glass, Add	60.40	
08 53 13 00-0109	EA 36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	336.77	54.53
	For Colored Vinyl, Add	22.77	
	For Tinted Glass, Add	27.33	
	For Low-E Insulated Glass, Add	56.93	
	For Obscure Glass, Add	62.62	
08 53 13 00-0110	EA 44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	357.51	58.73
	For Colored Vinyl, Add	24.01	
	For Tinted Glass, Add	28.81	
	For Low-E Insulated Glass, Add	60.02	
	For Obscure Glass, Add	66.02	
08 53 13 00-0111	36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0112	EA 24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	307.01	49.29
	For Colored Vinyl, Add	20.84	
	For Tinted Glass, Add	25.01	
	For Low-E Insulated Glass, Add	52.11	
	For Obscure Glass, Add	57.32	
08 53 13 00-0113	EA 28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	318.36	51.39
	For Colored Vinyl, Add	21.56	
	For Tinted Glass, Add	25.87	
	For Low-E Insulated Glass, Add	53.90	
	For Obscure Glass, Add	59.29	
08 53 13 00-0114	EA 30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	323.89	52.43
	For Colored Vinyl, Add	21.90	
	For Tinted Glass, Add	26.28	
	For Low-E Insulated Glass, Add	54.76	
	For Obscure Glass, Add	60.23	
08 53 13 00-0115	EA 32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	329.10	53.48
	For Colored Vinyl, Add	22.21	
	For Tinted Glass, Add	26.66	
	For Low-E Insulated Glass, Add	55.54	
	For Obscure Glass, Add	61.09	
08 53 13 00-0116	EA 36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	341.40	55.58
	For Colored Vinyl, Add	23.02	
	For Tinted Glass, Add	27.63	
	For Low-E Insulated Glass, Add	57.56	
	For Obscure Glass, Add	63.31	
08 53 13 00-0117	EA 44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	362.13	59.78
	For Colored Vinyl, Add	24.26	
	For Tinted Glass, Add	29.11	
	For Low-E Insulated Glass, Add	60.65	
	For Obscure Glass, Add	66.71	
08 53 13 00-0118	38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0119	EA 24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	311.27	50.34
	For Colored Vinyl, Add	21.06	
	For Tinted Glass, Add	25.27	
	For Low-E Insulated Glass, Add	52.65	
	For Obscure Glass, Add	57.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0120	EA		28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	322.62	52.43
			For Colored Vinyl, Add	21.78	
			For Tinted Glass, Add	26.13	
			For Low-E Insulated Glass, Add	54.44	
			For Obscure Glass, Add	59.88	
08 53 13 00-0121	EA		30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	328.28	53.48
			For Colored Vinyl, Add	22.13	
			For Tinted Glass, Add	26.56	
			For Low-E Insulated Glass, Add	55.33	
			For Obscure Glass, Add	60.86	
08 53 13 00-0122	EA		32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	333.50	54.53
			For Colored Vinyl, Add	22.44	
			For Tinted Glass, Add	26.93	
			For Low-E Insulated Glass, Add	56.11	
			For Obscure Glass, Add	61.72	
08 53 13 00-0123	EA		36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	345.99	56.63
			For Colored Vinyl, Add	23.27	
			For Tinted Glass, Add	27.93	
			For Low-E Insulated Glass, Add	58.18	
			For Obscure Glass, Add	64.00	
08 53 13 00-0124	EA		44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	366.93	60.83
			For Colored Vinyl, Add	24.53	
			For Tinted Glass, Add	29.43	
			For Low-E Insulated Glass, Add	61.32	
			For Obscure Glass, Add	67.45	
<b>08 53 13 00-0125</b>			<b>44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b>		
			<small>(08 53 13 00-0103)</small>		
08 53 13 00-0126	EA		24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	325.39	53.48
			For Colored Vinyl, Add	21.84	
			For Tinted Glass, Add	26.21	
			For Low-E Insulated Glass, Add	54.61	
			For Obscure Glass, Add	60.07	
08 53 13 00-0127	EA		28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	336.76	55.58
			For Colored Vinyl, Add	22.56	
			For Tinted Glass, Add	27.07	
			For Low-E Insulated Glass, Add	56.40	
			For Obscure Glass, Add	62.04	
08 53 13 00-0128	EA		30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	341.59	56.63
			For Colored Vinyl, Add	22.83	
			For Tinted Glass, Add	27.40	
			For Low-E Insulated Glass, Add	57.08	
			For Obscure Glass, Add	62.79	
08 53 13 00-0129	EA		32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	346.82	57.67
			For Colored Vinyl, Add	23.15	
			For Tinted Glass, Add	27.78	
			For Low-E Insulated Glass, Add	57.87	
			For Obscure Glass, Add	63.65	
08 53 13 00-0130	EA		36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	359.73	59.78
			For Colored Vinyl, Add	24.02	
			For Tinted Glass, Add	28.82	
			For Low-E Insulated Glass, Add	60.05	
			For Obscure Glass, Add	66.05	
08 53 13 00-0131	EA		44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	381.69	63.97
			For Colored Vinyl, Add	25.38	
			For Tinted Glass, Add	30.45	
			For Low-E Insulated Glass, Add	63.44	
			For Obscure Glass, Add	69.78	
<b>08 53 13 00-0132</b>			<b>46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b>		
			<small>(08 53 13 00-0103)</small>		
08 53 13 00-0133	EA		24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	329.63	54.53
			For Colored Vinyl, Add	22.06	
			For Tinted Glass, Add	26.47	
			For Low-E Insulated Glass, Add	55.14	
			For Obscure Glass, Add	60.66	
08 53 13 00-0134	EA		28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	340.99	56.63
			For Colored Vinyl, Add	22.77	
			For Tinted Glass, Add	27.33	
			For Low-E Insulated Glass, Add	56.93	
			For Obscure Glass, Add	62.63	
08 53 13 00-0135	EA		30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	346.05	57.67
			For Colored Vinyl, Add	23.07	
			For Tinted Glass, Add	27.68	
			For Low-E Insulated Glass, Add	57.67	
			For Obscure Glass, Add	63.44	
08 53 13 00-0136	EA		32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	351.26	58.73
			For Colored Vinyl, Add	23.38	
			For Tinted Glass, Add	28.06	
			For Low-E Insulated Glass, Add	58.45	
			For Obscure Glass, Add	64.30	
08 53 13 00-0137	EA		36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	364.33	60.83
			For Colored Vinyl, Add	24.27	
			For Tinted Glass, Add	29.12	
			For Low-E Insulated Glass, Add	60.67	
			For Obscure Glass, Add	66.74	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0138	EA 44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	386.88	65.02
	<i>For Colored Vinyl, Add</i>	25.69	
	<i>For Tinted Glass, Add</i>	30.82	
	<i>For Low-E Insulated Glass, Add</i>	64.21	
	<i>For Obscure Glass, Add</i>	70.63	
<b>08 53 13 00-0139</b>	<b>48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> (08 53 13 00-0103)		
08 53 13 00-0140	EA 24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	333.92	55.58
	<i>For Colored Vinyl, Add</i>	22.28	
	<i>For Tinted Glass, Add</i>	26.73	
	<i>For Low-E Insulated Glass, Add</i>	55.69	
	<i>For Obscure Glass, Add</i>	61.26	
08 53 13 00-0141	EA 28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	345.26	57.67
	<i>For Colored Vinyl, Add</i>	22.99	
	<i>For Tinted Glass, Add</i>	27.59	
	<i>For Low-E Insulated Glass, Add</i>	57.48	
	<i>For Obscure Glass, Add</i>	63.22	
08 53 13 00-0142	EA 30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	350.44	58.73
	<i>For Colored Vinyl, Add</i>	23.30	
	<i>For Tinted Glass, Add</i>	27.96	
	<i>For Low-E Insulated Glass, Add</i>	58.25	
	<i>For Obscure Glass, Add</i>	64.07	
08 53 13 00-0143	EA 32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	355.66	59.78
	<i>For Colored Vinyl, Add</i>	23.61	
	<i>For Tinted Glass, Add</i>	28.33	
	<i>For Low-E Insulated Glass, Add</i>	59.03	
	<i>For Obscure Glass, Add</i>	64.93	
08 53 13 00-0144	EA 36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	368.93	61.87
	<i>For Colored Vinyl, Add</i>	24.52	
	<i>For Tinted Glass, Add</i>	29.42	
	<i>For Low-E Insulated Glass, Add</i>	61.30	
	<i>For Obscure Glass, Add</i>	67.42	
08 53 13 00-0145	EA 44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	392.02	66.06
	<i>For Colored Vinyl, Add</i>	25.99	
	<i>For Tinted Glass, Add</i>	31.19	
	<i>For Low-E Insulated Glass, Add</i>	64.97	
	<i>For Obscure Glass, Add</i>	71.47	
<b>08 53 13 00-0146</b>	<b>50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> (08 53 13 00-0103)		
08 53 13 00-0147	EA 24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	338.14	56.63
	<i>For Colored Vinyl, Add</i>	22.49	
	<i>For Tinted Glass, Add</i>	26.99	
	<i>For Low-E Insulated Glass, Add</i>	56.22	
	<i>For Obscure Glass, Add</i>	61.84	
08 53 13 00-0148	EA 28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	349.49	58.73
	<i>For Colored Vinyl, Add</i>	23.20	
	<i>For Tinted Glass, Add</i>	27.84	
	<i>For Low-E Insulated Glass, Add</i>	58.01	
	<i>For Obscure Glass, Add</i>	63.81	
08 53 13 00-0149	EA 30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	354.88	59.78
	<i>For Colored Vinyl, Add</i>	23.53	
	<i>For Tinted Glass, Add</i>	28.24	
	<i>For Low-E Insulated Glass, Add</i>	58.83	
	<i>For Obscure Glass, Add</i>	64.72	
08 53 13 00-0150	EA 32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	360.10	60.83
	<i>For Colored Vinyl, Add</i>	23.85	
	<i>For Tinted Glass, Add</i>	28.61	
	<i>For Low-E Insulated Glass, Add</i>	59.61	
	<i>For Obscure Glass, Add</i>	65.57	
08 53 13 00-0151	EA 36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	373.52	62.92
	<i>For Colored Vinyl, Add</i>	24.77	
	<i>For Tinted Glass, Add</i>	29.72	
	<i>For Low-E Insulated Glass, Add</i>	61.92	
	<i>For Obscure Glass, Add</i>	68.11	
08 53 13 00-0152	EA 44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	397.19	67.11
	<i>For Colored Vinyl, Add</i>	26.30	
	<i>For Tinted Glass, Add</i>	31.56	
	<i>For Low-E Insulated Glass, Add</i>	65.74	
	<i>For Obscure Glass, Add</i>	72.31	
<b>08 53 13 00-0153</b>	<b>52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> (08 53 13 00-0103)		
08 53 13 00-0154	EA 24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	342.40	57.67
	<i>For Colored Vinyl, Add</i>	22.70	
	<i>For Tinted Glass, Add</i>	27.24	
	<i>For Low-E Insulated Glass, Add</i>	56.76	
	<i>For Obscure Glass, Add</i>	62.44	
08 53 13 00-0155	EA 28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	353.75	59.78
	<i>For Colored Vinyl, Add</i>	23.42	
	<i>For Tinted Glass, Add</i>	28.10	
	<i>For Low-E Insulated Glass, Add</i>	58.55	
	<i>For Obscure Glass, Add</i>	64.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0156	EA		30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	359.27	60.83
			For Colored Vinyl, Add	23.76	
			For Tinted Glass, Add	28.51	
			For Low-E Insulated Glass, Add	59.41	
			For Obscure Glass, Add	65.35	
08 53 13 00-0157	EA		32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	364.50	61.87
			For Colored Vinyl, Add	24.08	
			For Tinted Glass, Add	28.89	
			For Low-E Insulated Glass, Add	60.19	
			For Obscure Glass, Add	66.21	
08 53 13 00-0158	EA		36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	378.46	63.97
			For Colored Vinyl, Add	25.05	
			For Tinted Glass, Add	30.06	
			For Low-E Insulated Glass, Add	62.63	
			For Obscure Glass, Add	68.89	
08 53 13 00-0159	EA		44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	402.29	68.16
			For Colored Vinyl, Add	26.60	
			For Tinted Glass, Add	31.92	
			For Low-E Insulated Glass, Add	66.49	
			For Obscure Glass, Add	73.14	
<b>08 53 13 00-0160</b>			<b>54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b>		
			<small>(08 53 13 00-0103)</small>		
08 53 13 00-0161	EA		24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	346.67	58.73
			For Colored Vinyl, Add	22.92	
			For Tinted Glass, Add	27.51	
			For Low-E Insulated Glass, Add	57.31	
			For Obscure Glass, Add	63.04	
08 53 13 00-0162	EA		28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	358.02	60.83
			For Colored Vinyl, Add	23.64	
			For Tinted Glass, Add	28.36	
			For Low-E Insulated Glass, Add	59.09	
			For Obscure Glass, Add	65.00	
08 53 13 00-0163	EA		30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	363.73	61.87
			For Colored Vinyl, Add	24.00	
			For Tinted Glass, Add	28.80	
			For Low-E Insulated Glass, Add	60.00	
			For Obscure Glass, Add	65.99	
08 53 13 00-0164	EA		32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	368.95	62.92
			For Colored Vinyl, Add	24.31	
			For Tinted Glass, Add	29.17	
			For Low-E Insulated Glass, Add	60.78	
			For Obscure Glass, Add	66.86	
08 53 13 00-0165	EA		36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	383.40	65.02
			For Colored Vinyl, Add	25.34	
			For Tinted Glass, Add	30.40	
			For Low-E Insulated Glass, Add	63.34	
			For Obscure Glass, Add	69.68	
08 53 13 00-0166	EA		44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	407.41	69.22
			For Colored Vinyl, Add	26.90	
			For Tinted Glass, Add	32.28	
			For Low-E Insulated Glass, Add	67.25	
			For Obscure Glass, Add	73.97	
<b>08 53 13 00-0167</b>			<b>60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b>		
			<small>(08 53 13 00-0103)</small>		
08 53 13 00-0168	EA		24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	359.48	61.87
			For Colored Vinyl, Add	23.57	
			For Tinted Glass, Add	28.29	
			For Low-E Insulated Glass, Add	58.93	
			For Obscure Glass, Add	64.83	
08 53 13 00-0169	EA		28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	370.82	63.97
			For Colored Vinyl, Add	24.29	
			For Tinted Glass, Add	29.15	
			For Low-E Insulated Glass, Add	60.72	
			For Obscure Glass, Add	66.79	
08 53 13 00-0170	EA		30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	377.71	65.02
			For Colored Vinyl, Add	24.77	
			For Tinted Glass, Add	29.72	
			For Low-E Insulated Glass, Add	61.92	
			For Obscure Glass, Add	68.11	
08 53 13 00-0171	EA		32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	382.95	66.06
			For Colored Vinyl, Add	25.08	
			For Tinted Glass, Add	30.10	
			For Low-E Insulated Glass, Add	62.70	
			For Obscure Glass, Add	68.97	
08 53 13 00-0172	EA		36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	398.16	68.16
			For Colored Vinyl, Add	26.18	
			For Tinted Glass, Add	31.42	
			For Low-E Insulated Glass, Add	65.46	
			For Obscure Glass, Add	72.00	
08 53 13 00-0173	EA		44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	422.82	72.36
			For Colored Vinyl, Add	27.81	
			For Tinted Glass, Add	33.37	
			For Low-E Insulated Glass, Add	69.53	
			For Obscure Glass, Add	76.48	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0174			<b>62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0175	EA		24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	363.73	62.92
			For Colored Vinyl, Add	23.79	
			For Tinted Glass, Add	28.55	
			For Low-E Insulated Glass, Add	59.47	
			For Obscure Glass, Add	65.42	
08 53 13 00-0176	EA		28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	375.07	65.02
			For Colored Vinyl, Add	24.50	
			For Tinted Glass, Add	29.40	
			For Low-E Insulated Glass, Add	61.26	
			For Obscure Glass, Add	67.39	
08 53 13 00-0177	EA		30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	382.46	66.06
			For Colored Vinyl, Add	25.03	
			For Tinted Glass, Add	30.04	
			For Low-E Insulated Glass, Add	62.58	
			For Obscure Glass, Add	68.84	
08 53 13 00-0178	EA		32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	387.68	67.11
			For Colored Vinyl, Add	25.35	
			For Tinted Glass, Add	30.41	
			For Low-E Insulated Glass, Add	63.36	
			For Obscure Glass, Add	69.70	
08 53 13 00-0179	EA		36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	403.05	69.22
			For Colored Vinyl, Add	26.46	
			For Tinted Glass, Add	31.76	
			For Low-E Insulated Glass, Add	66.16	
			For Obscure Glass, Add	72.77	
08 53 13 00-0180	EA		44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	428.34	73.41
			For Colored Vinyl, Add	28.15	
			For Tinted Glass, Add	33.78	
			For Low-E Insulated Glass, Add	70.38	
			For Obscure Glass, Add	77.42	
08 53 13 00-0181			<b>66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0182	EA		24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	372.95	65.02
			For Colored Vinyl, Add	24.29	
			For Tinted Glass, Add	29.15	
			For Low-E Insulated Glass, Add	60.73	
			For Obscure Glass, Add	66.80	
08 53 13 00-0183	EA		28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	384.31	67.11
			For Colored Vinyl, Add	25.01	
			For Tinted Glass, Add	30.01	
			For Low-E Insulated Glass, Add	62.52	
			For Obscure Glass, Add	68.77	
08 53 13 00-0184	EA		30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	391.95	68.16
			For Colored Vinyl, Add	25.56	
			For Tinted Glass, Add	30.67	
			For Low-E Insulated Glass, Add	63.91	
			For Obscure Glass, Add	70.30	
08 53 13 00-0185	EA		32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	397.17	69.22
			For Colored Vinyl, Add	25.88	
			For Tinted Glass, Add	31.05	
			For Low-E Insulated Glass, Add	64.69	
			For Obscure Glass, Add	71.16	
08 53 13 00-0186	EA		36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	412.95	71.31
			For Colored Vinyl, Add	27.03	
			For Tinted Glass, Add	32.44	
			For Low-E Insulated Glass, Add	67.58	
			For Obscure Glass, Add	74.34	
08 53 13 00-0187	EA		44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	439.07	75.50
			For Colored Vinyl, Add	28.81	
			For Tinted Glass, Add	34.57	
			For Low-E Insulated Glass, Add	72.02	
			For Obscure Glass, Add	79.22	
08 53 13 00-0188			<b>72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0189	EA		24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	386.81	68.16
			For Colored Vinyl, Add	25.05	
			For Tinted Glass, Add	30.06	
			For Low-E Insulated Glass, Add	62.62	
			For Obscure Glass, Add	68.88	
08 53 13 00-0190	EA		28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	398.16	70.27
			For Colored Vinyl, Add	25.76	
			For Tinted Glass, Add	30.92	
			For Low-E Insulated Glass, Add	64.41	
			For Obscure Glass, Add	70.85	
08 53 13 00-0191	EA		30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	405.81	71.31
			For Colored Vinyl, Add	26.32	
			For Tinted Glass, Add	31.58	
			For Low-E Insulated Glass, Add	65.80	
			For Obscure Glass, Add	72.37	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0192	EA		32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	411.03	72.36
			For Colored Vinyl, Add	26.63	
			For Tinted Glass, Add	31.96	
			For Low-E Insulated Glass, Add	66.58	
			For Obscure Glass, Add	73.24	
08 53 13 00-0193	EA		36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	426.79	74.46
			For Colored Vinyl, Add	27.79	
			For Tinted Glass, Add	33.35	
			For Low-E Insulated Glass, Add	69.47	
			For Obscure Glass, Add	76.42	
08 53 13 00-0194	EA		44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	452.91	78.65
			For Colored Vinyl, Add	29.56	
			For Tinted Glass, Add	35.47	
			For Low-E Insulated Glass, Add	73.90	
			For Obscure Glass, Add	81.29	
<b>08 53 13 00-0195</b>			<b>Replacement, Double Hung Vinyl Windows (Silver Line 8500)</b> <small>(08 53 13 00-0102)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0196	EA		Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500) .....	367.61	55.05
			For Colored Vinyl, Add	25.75	
			For Tinted Glass, Add	30.90	
			For Low-E Insulated Glass, Add	64.38	
			For Obscure Glass, Add	70.81	
08 53 13 00-0197	EA		>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500) .....	405.00	60.30
			For Colored Vinyl, Add	28.44	
			For Tinted Glass, Add	34.13	
			For Low-E Insulated Glass, Add	71.10	
			For Obscure Glass, Add	78.21	
08 53 13 00-0198	EA		>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500) .....	440.38	65.54
			For Colored Vinyl, Add	30.93	
			For Tinted Glass, Add	37.12	
			For Low-E Insulated Glass, Add	77.33	
			For Obscure Glass, Add	85.06	
08 53 13 00-0199	EA		>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500) .....	467.30	70.79
			For Colored Vinyl, Add	32.57	
			For Tinted Glass, Add	39.09	
			For Low-E Insulated Glass, Add	81.43	
			For Obscure Glass, Add	89.58	
08 53 13 00-0200	EA		>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500) .....	495.72	76.03
			For Colored Vinyl, Add	34.37	
			For Tinted Glass, Add	41.24	
			For Low-E Insulated Glass, Add	85.92	
			For Obscure Glass, Add	94.51	
08 53 13 00-0201	EA		>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500) .....	537.45	81.28
			For Colored Vinyl, Add	37.49	
			For Tinted Glass, Add	44.99	
			For Low-E Insulated Glass, Add	93.73	
			For Obscure Glass, Add	103.10	
08 53 13 00-0202	UI		>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	4.48	0.68
			For Colored Vinyl, Add	0.31	
			For Tinted Glass, Add	0.37	
			For Low-E Insulated Glass, Add	0.78	
			For Obscure Glass, Add	0.86	
<b>08 53 13 00-0203</b>			<b>Casement Vinyl Windows</b> <small>(08 53 13)</small>		
<b>08 53 13 00-0204</b>			<b>New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0203)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
<b>08 53 13 00-0205</b>			<b>One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0204)</small>		
<b>08 53 13 00-0206</b>			<b>24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0205)</small>		
08 53 13 00-0207	EA		17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	272.68	39.85
			For Colored Vinyl, Add	19.40	
			For Tinted Glass, Add	23.28	
			For Low-E Insulated Glass, Add	48.51	
			For Obscure Glass, Add	53.36	
08 53 13 00-0208	EA		20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	282.38	40.90
			For Colored Vinyl, Add	20.06	
			For Tinted Glass, Add	24.07	
			For Low-E Insulated Glass, Add	50.15	
			For Obscure Glass, Add	55.16	
08 53 13 00-0209	EA		24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	293.12	43.00
			For Colored Vinyl, Add	20.71	
			For Tinted Glass, Add	24.86	
			For Low-E Insulated Glass, Add	51.78	
			For Obscure Glass, Add	56.96	
08 53 13 00-0210	EA		28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	311.08	45.09
			For Colored Vinyl, Add	22.09	
			For Tinted Glass, Add	26.51	
			For Low-E Insulated Glass, Add	55.22	
			For Obscure Glass, Add	60.74	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0211		<b>28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0205)</small>		
08 53 13 00-0212	EA	17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	289.07	41.95
		For Colored Vinyl, Add	20.62	
		For Tinted Glass, Add	24.75	
		For Low-E Insulated Glass, Add	51.56	
		For Obscure Glass, Add	56.71	
08 53 13 00-0213	EA	20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	299.51	43.00
		For Colored Vinyl, Add	21.35	
		For Tinted Glass, Add	25.62	
		For Low-E Insulated Glass, Add	53.38	
		For Obscure Glass, Add	58.72	
08 53 13 00-0214	EA	24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	310.98	45.09
		For Colored Vinyl, Add	22.08	
		For Tinted Glass, Add	26.49	
		For Low-E Insulated Glass, Add	55.20	
		For Obscure Glass, Add	60.72	
08 53 13 00-0215	EA	28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	329.83	47.19
		For Colored Vinyl, Add	23.55	
		For Tinted Glass, Add	28.25	
		For Low-E Insulated Glass, Add	58.86	
		For Obscure Glass, Add	64.75	
08 53 13 00-0216		<b>36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0205)</small>		
08 53 13 00-0217	EA	17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	309.51	45.09
		For Colored Vinyl, Add	21.93	
		For Tinted Glass, Add	26.32	
		For Low-E Insulated Glass, Add	54.83	
		For Obscure Glass, Add	60.31	
08 53 13 00-0218	EA	20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	320.31	47.19
		For Colored Vinyl, Add	22.70	
		For Tinted Glass, Add	27.24	
		For Low-E Insulated Glass, Add	56.75	
		For Obscure Glass, Add	62.42	
08 53 13 00-0219	EA	24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	332.19	48.77
		For Colored Vinyl, Add	23.47	
		For Tinted Glass, Add	28.16	
		For Low-E Insulated Glass, Add	58.67	
		For Obscure Glass, Add	64.53	
08 53 13 00-0220	EA	28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	351.75	50.86
		For Colored Vinyl, Add	25.00	
		For Tinted Glass, Add	30.00	
		For Low-E Insulated Glass, Add	62.51	
		For Obscure Glass, Add	68.76	
08 53 13 00-0221		<b>40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0205)</small>		
08 53 13 00-0222	EA	17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	327.39	48.24
		For Colored Vinyl, Add	23.20	
		For Tinted Glass, Add	27.84	
		For Low-E Insulated Glass, Add	57.99	
		For Obscure Glass, Add	63.79	
08 53 13 00-0223	EA	20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	338.71	49.29
		For Colored Vinyl, Add	24.01	
		For Tinted Glass, Add	28.82	
		For Low-E Insulated Glass, Add	60.04	
		For Obscure Glass, Add	66.04	
08 53 13 00-0224	EA	24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	351.10	51.39
		For Colored Vinyl, Add	24.83	
		For Tinted Glass, Add	29.80	
		For Low-E Insulated Glass, Add	62.08	
		For Obscure Glass, Add	68.29	
08 53 13 00-0225	EA	28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	372.10	53.48
		For Colored Vinyl, Add	26.51	
		For Tinted Glass, Add	31.82	
		For Low-E Insulated Glass, Add	66.29	
		For Obscure Glass, Add	72.91	
08 53 13 00-0226		<b>48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0205)</small>		
08 53 13 00-0227	EA	17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	348.54	52.43
		For Colored Vinyl, Add	24.47	
		For Tinted Glass, Add	29.37	
		For Low-E Insulated Glass, Add	61.18	
		For Obscure Glass, Add	67.30	
08 53 13 00-0228	EA	20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	360.31	53.48
		For Colored Vinyl, Add	25.34	
		For Tinted Glass, Add	30.40	
		For Low-E Insulated Glass, Add	63.34	
		For Obscure Glass, Add	69.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0229	EA		24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	373.16	55.58
			For Colored Vinyl, Add	26.20	
			For Tinted Glass, Add	31.44	
			For Low-E Insulated Glass, Add	65.50	
			For Obscure Glass, Add	72.05	
08 53 13 00-0230	EA		28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	396.08	57.67
			For Colored Vinyl, Add	28.07	
			For Tinted Glass, Add	33.69	
			For Low-E Insulated Glass, Add	70.18	
			For Obscure Glass, Add	77.20	
<b>08 53 13 00-0231</b>			<b>52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0205)</small>		
08 53 13 00-0232	EA		17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	365.43	54.53
			For Colored Vinyl, Add	25.74	
			For Tinted Glass, Add	30.89	
			For Low-E Insulated Glass, Add	64.36	
			For Obscure Glass, Add	70.79	
08 53 13 00-0233	EA		20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	377.82	55.58
			For Colored Vinyl, Add	26.67	
			For Tinted Glass, Add	32.00	
			For Low-E Insulated Glass, Add	66.66	
			For Obscure Glass, Add	73.33	
08 53 13 00-0234	EA		24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	391.22	57.67
			For Colored Vinyl, Add	27.59	
			For Tinted Glass, Add	33.10	
			For Low-E Insulated Glass, Add	68.97	
			For Obscure Glass, Add	75.86	
08 53 13 00-0235	EA		28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	414.50	59.78
			For Colored Vinyl, Add	29.50	
			For Tinted Glass, Add	35.39	
			For Low-E Insulated Glass, Add	73.74	
			For Obscure Glass, Add	81.11	
<b>08 53 13 00-0236</b>			<b>60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0205)</small>		
08 53 13 00-0237	EA		17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	385.48	57.67
			For Colored Vinyl, Add	27.01	
			For Tinted Glass, Add	32.41	
			For Low-E Insulated Glass, Add	67.53	
			For Obscure Glass, Add	74.28	
08 53 13 00-0238	EA		20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	398.43	59.78
			For Colored Vinyl, Add	27.99	
			For Tinted Glass, Add	33.59	
			For Low-E Insulated Glass, Add	69.98	
			For Obscure Glass, Add	76.98	
08 53 13 00-0239	EA		24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	412.45	61.35
			For Colored Vinyl, Add	28.98	
			For Tinted Glass, Add	34.77	
			For Low-E Insulated Glass, Add	72.44	
			For Obscure Glass, Add	79.68	
08 53 13 00-0240	EA		28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	436.07	63.45
			For Colored Vinyl, Add	30.92	
			For Tinted Glass, Add	37.10	
			For Low-E Insulated Glass, Add	77.30	
			For Obscure Glass, Add	85.02	
<b>08 53 13 00-0241</b>			<b>64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0205)</small>		
08 53 13 00-0242	EA		17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	403.10	60.83
			For Colored Vinyl, Add	28.25	
			For Tinted Glass, Add	33.90	
			For Low-E Insulated Glass, Add	70.63	
			For Obscure Glass, Add	77.69	
08 53 13 00-0243	EA		20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	416.38	61.87
			For Colored Vinyl, Add	29.26	
			For Tinted Glass, Add	35.12	
			For Low-E Insulated Glass, Add	73.16	
			For Obscure Glass, Add	80.47	
08 53 13 00-0244	EA		24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	431.19	63.97
			For Colored Vinyl, Add	30.33	
			For Tinted Glass, Add	36.39	
			For Low-E Insulated Glass, Add	75.81	
			For Obscure Glass, Add	83.39	
08 53 13 00-0245	EA		28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	454.32	66.06
			For Colored Vinyl, Add	32.22	
			For Tinted Glass, Add	38.66	
			For Low-E Insulated Glass, Add	80.55	
			For Obscure Glass, Add	88.60	
<b>08 53 13 00-0246</b>			<b>72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0205)</small>		

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0247	EA 17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	425.11	63.97
	For Colored Vinyl, Add	29.72	
	For Tinted Glass, Add	35.66	
	For Low-E Insulated Glass, Add	74.29	
	For Obscure Glass, Add	81.72	
08 53 13 00-0248	EA 20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	438.99	66.06
	For Colored Vinyl, Add	30.79	
	For Tinted Glass, Add	36.95	
	For Low-E Insulated Glass, Add	76.98	
	For Obscure Glass, Add	84.68	
08 53 13 00-0249	EA 24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	453.25	67.64
	For Colored Vinyl, Add	31.80	
	For Tinted Glass, Add	38.16	
	For Low-E Insulated Glass, Add	79.49	
	For Obscure Glass, Add	87.44	
08 53 13 00-0250	EA 28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	476.10	69.74
	For Colored Vinyl, Add	33.66	
	For Tinted Glass, Add	40.40	
	For Low-E Insulated Glass, Add	84.16	
	For Obscure Glass, Add	92.57	
08 53 13 00-0251	Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0204)</small>		
08 53 13 00-0252	36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0253	EA 33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	528.21	53.48
	For Colored Vinyl, Add	42.13	
	For Tinted Glass, Add	50.55	
	For Low-E Insulated Glass, Add	105.31	
	For Obscure Glass, Add	115.84	
08 53 13 00-0254	EA 40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	548.78	57.67
	For Colored Vinyl, Add	43.45	
	For Tinted Glass, Add	52.14	
	For Low-E Insulated Glass, Add	108.62	
	For Obscure Glass, Add	119.48	
08 53 13 00-0255	EA 48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	570.41	61.87
	For Colored Vinyl, Add	44.77	
	For Tinted Glass, Add	53.73	
	For Low-E Insulated Glass, Add	111.93	
	For Obscure Glass, Add	123.12	
08 53 13 00-0256	EA 56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	594.50	65.54
	For Colored Vinyl, Add	46.34	
	For Tinted Glass, Add	55.61	
	For Low-E Insulated Glass, Add	115.86	
	For Obscure Glass, Add	127.44	
08 53 13 00-0257	40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0258	EA 33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	558.94	56.10
	For Colored Vinyl, Add	44.67	
	For Tinted Glass, Add	53.61	
	For Low-E Insulated Glass, Add	111.68	
	For Obscure Glass, Add	122.85	
08 53 13 00-0259	EA 40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	580.59	59.78
	For Colored Vinyl, Add	46.10	
	For Tinted Glass, Add	55.32	
	For Low-E Insulated Glass, Add	115.26	
	For Obscure Glass, Add	126.79	
08 53 13 00-0260	EA 48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	603.31	63.97
	For Colored Vinyl, Add	47.54	
	For Tinted Glass, Add	57.04	
	For Low-E Insulated Glass, Add	118.84	
	For Obscure Glass, Add	130.73	
08 53 13 00-0261	EA 56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	626.74	68.16
	For Colored Vinyl, Add	49.04	
	For Tinted Glass, Add	58.85	
	For Low-E Insulated Glass, Add	122.60	
	For Obscure Glass, Add	134.86	
08 53 13 00-0262	48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0263	EA 33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	593.30	60.30
	For Colored Vinyl, Add	47.27	
	For Tinted Glass, Add	56.73	
	For Low-E Insulated Glass, Add	118.18	
	For Obscure Glass, Add	130.00	
08 53 13 00-0264	EA 40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	615.74	63.97
	For Colored Vinyl, Add	48.78	
	For Tinted Glass, Add	58.54	
	For Low-E Insulated Glass, Add	121.95	
	For Obscure Glass, Add	134.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0265	EA		48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	639.25	68.16
			For Colored Vinyl, Add	50.29	
			For Tinted Glass, Add	60.35	
			For Low-E Insulated Glass, Add	125.73	
			For Obscure Glass, Add	138.30	
08 53 13 00-0266	EA		56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	664.51	72.36
			For Colored Vinyl, Add	51.98	
			For Tinted Glass, Add	62.37	
			For Low-E Insulated Glass, Add	129.95	
			For Obscure Glass, Add	142.94	
08 53 13 00-0267			<b>52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0251)		
08 53 13 00-0268	EA		33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	623.42	62.40
			For Colored Vinyl, Add	49.86	
			For Tinted Glass, Add	59.84	
			For Low-E Insulated Glass, Add	124.66	
			For Obscure Glass, Add	137.12	
08 53 13 00-0269	EA		40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	646.91	66.06
			For Colored Vinyl, Add	51.48	
			For Tinted Glass, Add	61.77	
			For Low-E Insulated Glass, Add	128.69	
			For Obscure Glass, Add	141.56	
08 53 13 00-0270	EA		48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	671.44	70.27
			For Colored Vinyl, Add	53.09	
			For Tinted Glass, Add	63.71	
			For Low-E Insulated Glass, Add	132.73	
			For Obscure Glass, Add	146.00	
08 53 13 00-0271	EA		56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	697.06	74.46
			For Colored Vinyl, Add	54.82	
			For Tinted Glass, Add	65.78	
			For Low-E Insulated Glass, Add	137.04	
			For Obscure Glass, Add	150.74	
08 53 13 00-0272			<b>60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0251)		
08 53 13 00-0273	EA		33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	656.69	66.06
			For Colored Vinyl, Add	52.46	
			For Tinted Glass, Add	62.95	
			For Low-E Insulated Glass, Add	131.14	
			For Obscure Glass, Add	144.25	
08 53 13 00-0274	EA		40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	681.21	70.27
			For Colored Vinyl, Add	54.17	
			For Tinted Glass, Add	65.01	
			For Low-E Insulated Glass, Add	135.44	
			For Obscure Glass, Add	148.98	
08 53 13 00-0275	EA		48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	706.78	74.46
			For Colored Vinyl, Add	55.89	
			For Tinted Glass, Add	67.07	
			For Low-E Insulated Glass, Add	139.73	
			For Obscure Glass, Add	153.70	
08 53 13 00-0276	EA		56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	732.75	78.12
			For Colored Vinyl, Add	57.65	
			For Tinted Glass, Add	69.18	
			For Low-E Insulated Glass, Add	144.12	
			For Obscure Glass, Add	158.53	
08 53 13 00-0277			<b>64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0251)		
08 53 13 00-0278	EA		33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	688.70	68.69
			For Colored Vinyl, Add	55.13	
			For Tinted Glass, Add	66.16	
			For Low-E Insulated Glass, Add	137.83	
			For Obscure Glass, Add	151.61	
08 53 13 00-0279	EA		40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	713.23	72.36
			For Colored Vinyl, Add	56.85	
			For Tinted Glass, Add	68.22	
			For Low-E Insulated Glass, Add	142.13	
			For Obscure Glass, Add	156.34	
08 53 13 00-0280	EA		48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	738.71	76.55
			For Colored Vinyl, Add	58.56	
			For Tinted Glass, Add	70.27	
			For Low-E Insulated Glass, Add	146.40	
			For Obscure Glass, Add	161.04	
08 53 13 00-0281	EA		56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	764.75	80.75
			For Colored Vinyl, Add	60.33	
			For Tinted Glass, Add	72.39	
			For Low-E Insulated Glass, Add	150.82	
			For Obscure Glass, Add	165.90	
08 53 13 00-0282			<b>72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0251)		

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0283	EA 33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	724.54	72.36
	<i>For Colored Vinyl, Add</i>	57.98	
	<i>For Tinted Glass, Add</i>	69.58	
	<i>For Low-E Insulated Glass, Add</i>	144.96	
	<i>For Obscure Glass, Add</i>	159.45	
08 53 13 00-0284	EA 40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	749.06	76.55
	<i>For Colored Vinyl, Add</i>	59.70	
	<i>For Tinted Glass, Add</i>	71.64	
	<i>For Low-E Insulated Glass, Add</i>	149.25	
	<i>For Obscure Glass, Add</i>	164.18	
08 53 13 00-0285	EA 48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	774.66	80.75
	<i>For Colored Vinyl, Add</i>	61.42	
	<i>For Tinted Glass, Add</i>	73.71	
	<i>For Low-E Insulated Glass, Add</i>	153.55	
	<i>For Obscure Glass, Add</i>	168.91	
08 53 13 00-0286	EA 56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	800.62	84.42
	<i>For Colored Vinyl, Add</i>	63.18	
	<i>For Tinted Glass, Add</i>	75.81	
	<i>For Low-E Insulated Glass, Add</i>	157.95	
	<i>For Obscure Glass, Add</i>	173.74	
08 53 13 00-0287	<b>Three Operating Sashes, New Construction, Casement Vinyl Windows</b> <b>(Silver Line 7550)</b> <small>(08 53 13 00-0204)</small>		
08 53 13 00-0288	<b>36" Height, Three Operating Sashes, New Construction, Casement Vinyl</b> <b>Windows (Silver Line 7550)</b> <small>(08 53 13 00-0287)</small>		
08 53 13 00-0289	EA 62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	653.60	68.16
	<i>For Colored Vinyl, Add</i>	51.73	
	<i>For Tinted Glass, Add</i>	62.07	
	<i>For Low-E Insulated Glass, Add</i>	129.32	
	<i>For Obscure Glass, Add</i>	142.25	
08 53 13 00-0290	EA 72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	685.88	73.41
	<i>For Colored Vinyl, Add</i>	53.91	
	<i>For Tinted Glass, Add</i>	64.69	
	<i>For Low-E Insulated Glass, Add</i>	134.77	
	<i>For Obscure Glass, Add</i>	148.24	
08 53 13 00-0291	EA 86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	742.60	81.28
	<i>For Colored Vinyl, Add</i>	58.01	
	<i>For Tinted Glass, Add</i>	69.61	
	<i>For Low-E Insulated Glass, Add</i>	145.02	
	<i>For Obscure Glass, Add</i>	159.52	
08 53 13 00-0292	<b>40" Height, Three Operating Sashes, New Construction, Casement Vinyl</b> <b>Windows (Silver Line 7550)</b> <small>(08 53 13 00-0287)</small>		
08 53 13 00-0293	EA 62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	695.19	71.31
	<i>For Colored Vinyl, Add</i>	55.36	
	<i>For Tinted Glass, Add</i>	66.43	
	<i>For Low-E Insulated Glass, Add</i>	138.41	
	<i>For Obscure Glass, Add</i>	152.25	
08 53 13 00-0294	EA 72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	727.68	76.03
	<i>For Colored Vinyl, Add</i>	57.56	
	<i>For Tinted Glass, Add</i>	69.08	
	<i>For Low-E Insulated Glass, Add</i>	143.91	
	<i>For Obscure Glass, Add</i>	158.30	
08 53 13 00-0295	EA 86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	787.36	83.90
	<i>For Colored Vinyl, Add</i>	61.96	
	<i>For Tinted Glass, Add</i>	74.35	
	<i>For Low-E Insulated Glass, Add</i>	154.89	
	<i>For Obscure Glass, Add</i>	170.38	
08 53 13 00-0296	<b>48" Height, Three Operating Sashes, New Construction, Casement Vinyl</b> <b>Windows (Silver Line 7550)</b> <small>(08 53 13 00-0287)</small>		
08 53 13 00-0297	EA 62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	735.77	75.50
	<i>For Colored Vinyl, Add</i>	58.48	
	<i>For Tinted Glass, Add</i>	70.17	
	<i>For Low-E Insulated Glass, Add</i>	146.19	
	<i>For Obscure Glass, Add</i>	160.81	
08 53 13 00-0298	EA 72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	773.16	80.23
	<i>For Colored Vinyl, Add</i>	61.27	
	<i>For Tinted Glass, Add</i>	73.53	
	<i>For Low-E Insulated Glass, Add</i>	153.18	
	<i>For Obscure Glass, Add</i>	168.50	
08 53 13 00-0299	EA 86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	835.35	88.09
	<i>For Colored Vinyl, Add</i>	65.92	
	<i>For Tinted Glass, Add</i>	79.10	
	<i>For Low-E Insulated Glass, Add</i>	164.79	
	<i>For Obscure Glass, Add</i>	181.27	
08 53 13 00-0300	<b>52" Height, Three Operating Sashes, New Construction, Casement Vinyl</b> <b>Windows (Silver Line 7550)</b> <small>(08 53 13 00-0287)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 53 13 00-0301	EA		62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	775.06	77.60
			For Colored Vinyl, Add	61.99	
			For Tinted Glass, Add	74.38	
			For Low-E Insulated Glass, Add	154.96	
			For Obscure Glass, Add	170.46	
08 53 13 00-0302	EA		72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	815.03	82.85
			For Colored Vinyl, Add	64.93	
			For Tinted Glass, Add	77.92	
			For Low-E Insulated Glass, Add	162.34	
			For Obscure Glass, Add	178.57	
08 53 13 00-0303	EA		86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	884.98	90.19
			For Colored Vinyl, Add	70.46	
			For Tinted Glass, Add	84.55	
			For Low-E Insulated Glass, Add	176.15	
			For Obscure Glass, Add	193.77	

**08 53 13 00-0304 60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)** (08 53 13 00-0287)

08 53 13 00-0305	EA		62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	817.46	81.28
			For Colored Vinyl, Add	65.49	
			For Tinted Glass, Add	78.59	
			For Low-E Insulated Glass, Add	163.73	
			For Obscure Glass, Add	180.10	
08 53 13 00-0306	EA		72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	858.97	86.51
			For Colored Vinyl, Add	68.59	
			For Tinted Glass, Add	82.31	
			For Low-E Insulated Glass, Add	171.49	
			For Obscure Glass, Add	188.63	
08 53 13 00-0307	EA		86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	937.76	93.86
			For Colored Vinyl, Add	75.00	
			For Tinted Glass, Add	90.00	
			For Low-E Insulated Glass, Add	187.51	
			For Obscure Glass, Add	206.26	

**08 53 13 00-0308 64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)** (08 53 13 00-0287)

08 53 13 00-0309	EA		62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	862.34	83.90
			For Colored Vinyl, Add	69.46	
			For Tinted Glass, Add	83.35	
			For Low-E Insulated Glass, Add	173.64	
			For Obscure Glass, Add	191.00	
08 53 13 00-0310	EA		72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	903.83	89.13
			For Colored Vinyl, Add	72.56	
			For Tinted Glass, Add	87.07	
			For Low-E Insulated Glass, Add	181.39	
			For Obscure Glass, Add	199.53	
08 53 13 00-0311	EA		86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	982.60	96.48
			For Colored Vinyl, Add	78.97	
			For Tinted Glass, Add	94.76	
			For Low-E Insulated Glass, Add	197.41	
			For Obscure Glass, Add	217.15	

**08 53 13 00-0312 72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)** (08 53 13 00-0287)

08 53 13 00-0313	EA		62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	909.39	87.56
			For Colored Vinyl, Add	73.43	
			For Tinted Glass, Add	88.11	
			For Low-E Insulated Glass, Add	183.57	
			For Obscure Glass, Add	201.92	
08 53 13 00-0314	EA		72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	950.88	92.81
			For Colored Vinyl, Add	76.53	
			For Tinted Glass, Add	91.83	
			For Low-E Insulated Glass, Add	191.32	
			For Obscure Glass, Add	210.45	
08 53 13 00-0315	EA		86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,029.66	100.15
			For Colored Vinyl, Add	82.94	
			For Tinted Glass, Add	99.52	
			For Low-E Insulated Glass, Add	207.34	
			For Obscure Glass, Add	228.07	

**08 53 13 00-0316 Replacement, Casement Vinyl Windows (Silver Line 7500)** (08 53 13 00-0203)  
 Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

**08 53 13 00-0317 One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500)** (08 53 13 00-0316)

08 53 13 00-0318	EA		Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	345.52	44.57
			For Colored Vinyl, Add	25.64	
			For Tinted Glass, Add	30.77	
			For Low-E Insulated Glass, Add	64.10	
			For Obscure Glass, Add	70.51	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0319	EA >53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	391.69	49.82
	For Colored Vinyl, Add	29.21	
	For Tinted Glass, Add	35.05	
	For Low-E Insulated Glass, Add	73.02	
	For Obscure Glass, Add	80.32	
08 53 13 00-0320	EA >63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	433.82	55.05
	For Colored Vinyl, Add	32.37	
	For Tinted Glass, Add	38.85	
	For Low-E Insulated Glass, Add	80.93	
	For Obscure Glass, Add	89.02	
08 53 13 00-0321	EA >73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	471.92	60.30
	For Colored Vinyl, Add	35.13	
	For Tinted Glass, Add	42.16	
	For Low-E Insulated Glass, Add	87.83	
	For Obscure Glass, Add	96.62	
08 53 13 00-0322	EA >83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	505.99	65.54
	For Colored Vinyl, Add	37.49	
	For Tinted Glass, Add	44.99	
	For Low-E Insulated Glass, Add	93.73	
	For Obscure Glass, Add	103.10	
08 53 13 00-0323	EA >93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	528.37	70.79
	For Colored Vinyl, Add	38.68	
	For Tinted Glass, Add	46.42	
	For Low-E Insulated Glass, Add	96.70	
	For Obscure Glass, Add	106.37	
08 53 13 00-0324	UI >101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	5.19	0.68
	For Colored Vinyl, Add	0.38	
	For Tinted Glass, Add	0.46	
	For Low-E Insulated Glass, Add	0.96	
	For Obscure Glass, Add	1.05	
<b>08 53 13 00-0325 Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)</b>			
08 53 13 00-0326	EA Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	558.89	55.05
	For Colored Vinyl, Add	44.88	
	For Tinted Glass, Add	53.85	
	For Low-E Insulated Glass, Add	112.20	
	For Obscure Glass, Add	123.41	
08 53 13 00-0327	EA >73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	614.12	60.30
	For Colored Vinyl, Add	49.35	
	For Tinted Glass, Add	59.22	
	For Low-E Insulated Glass, Add	123.38	
	For Obscure Glass, Add	135.72	
08 53 13 00-0328	EA >83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	665.33	65.54
	For Colored Vinyl, Add	53.43	
	For Tinted Glass, Add	64.11	
	For Low-E Insulated Glass, Add	133.56	
	For Obscure Glass, Add	146.92	
08 53 13 00-0329	EA >93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	701.41	70.79
	For Colored Vinyl, Add	55.98	
	For Tinted Glass, Add	67.18	
	For Low-E Insulated Glass, Add	139.96	
	For Obscure Glass, Add	153.96	
08 53 13 00-0330	EA >101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	739.61	76.03
	For Colored Vinyl, Add	58.76	
	For Tinted Glass, Add	70.51	
	For Low-E Insulated Glass, Add	146.89	
	For Obscure Glass, Add	161.58	
08 53 13 00-0331	EA >110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	779.33	81.28
	For Colored Vinyl, Add	61.68	
	For Tinted Glass, Add	74.01	
	For Low-E Insulated Glass, Add	154.20	
	For Obscure Glass, Add	169.62	
08 53 13 00-0332	UI >120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	6.50	0.68
	For Colored Vinyl, Add	0.51	
	For Tinted Glass, Add	0.62	
	For Low-E Insulated Glass, Add	1.29	
	For Obscure Glass, Add	1.41	
<b>08 53 13 00-0333 Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)</b>			
08 53 13 00-0334	EA Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	580.96	55.05
	For Colored Vinyl, Add	47.09	
	For Tinted Glass, Add	56.50	
	For Low-E Insulated Glass, Add	117.71	
	For Obscure Glass, Add	129.48	
08 53 13 00-0335	EA >73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	638.61	60.30
	For Colored Vinyl, Add	51.80	
	For Tinted Glass, Add	62.16	
	For Low-E Insulated Glass, Add	129.51	
	For Obscure Glass, Add	142.46	
08 53 13 00-0336	EA >83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	693.44	65.54
	For Colored Vinyl, Add	56.24	
	For Tinted Glass, Add	67.48	
	For Low-E Insulated Glass, Add	140.59	
	For Obscure Glass, Add	154.65	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0337	EA		>93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	731.95	70.79
			For Colored Vinyl, Add	59.04	
			For Tinted Glass, Add	70.85	
			For Low-E Insulated Glass, Add	147.60	
			For Obscure Glass, Add	162.35	
08 53 13 00-0338	EA		>101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	772.87	76.03
			For Colored Vinyl, Add	62.08	
			For Tinted Glass, Add	74.50	
			For Low-E Insulated Glass, Add	155.21	
			For Obscure Glass, Add	170.73	
08 53 13 00-0339	EA		>110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	815.61	81.28
			For Colored Vinyl, Add	65.31	
			For Tinted Glass, Add	78.37	
			For Low-E Insulated Glass, Add	163.27	
			For Obscure Glass, Add	179.59	
08 53 13 00-0340	UI		>120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	6.80	0.68
			For Colored Vinyl, Add	0.54	
			For Tinted Glass, Add	0.65	
			For Low-E Insulated Glass, Add	1.36	
			For Obscure Glass, Add	1.50	
08 53 13 00-0341			<b>Awning Vinyl Windows</b> (08 53 13)		
08 53 13 00-0342			<b>New Construction, Awning Vinyl Windows (Silver Line 7450)</b> (08 53 13 00-0341) Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0343			<b>Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> (08 53 13 00-0342)		
08 53 13 00-0344			<b>17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> (08 53 13 00-0343)		
08 53 13 00-0345	EA		24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	346.35	43.00
			For Colored Vinyl, Add	26.04	
			For Tinted Glass, Add	31.24	
			For Low-E Insulated Glass, Add	65.09	
			For Obscure Glass, Add	71.60	
08 53 13 00-0346	EA		28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	362.64	45.09
			For Colored Vinyl, Add	27.25	
			For Tinted Glass, Add	32.69	
			For Low-E Insulated Glass, Add	68.11	
			For Obscure Glass, Add	74.92	
08 53 13 00-0347	EA		36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	388.12	48.77
			For Colored Vinyl, Add	29.06	
			For Tinted Glass, Add	34.87	
			For Low-E Insulated Glass, Add	72.65	
			For Obscure Glass, Add	79.91	
08 53 13 00-0348	EA		40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	404.77	51.39
			For Colored Vinyl, Add	30.20	
			For Tinted Glass, Add	36.24	
			For Low-E Insulated Glass, Add	75.50	
			For Obscure Glass, Add	83.05	
08 53 13 00-0349	EA		48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	432.00	55.58
			For Colored Vinyl, Add	32.08	
			For Tinted Glass, Add	38.50	
			For Low-E Insulated Glass, Add	80.21	
			For Obscure Glass, Add	88.23	
08 53 13 00-0350			<b>20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> (08 53 13 00-0343)		
08 53 13 00-0351	EA		24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	364.61	45.09
			For Colored Vinyl, Add	27.55	
			For Tinted Glass, Add	33.06	
			For Low-E Insulated Glass, Add	68.87	
			For Obscure Glass, Add	75.76	
08 53 13 00-0352	EA		28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	380.90	47.19
			For Colored Vinyl, Add	28.76	
			For Tinted Glass, Add	34.51	
			For Low-E Insulated Glass, Add	71.89	
			For Obscure Glass, Add	79.08	
08 53 13 00-0353	EA		36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	408.07	50.34
			For Colored Vinyl, Add	30.74	
			For Tinted Glass, Add	36.89	
			For Low-E Insulated Glass, Add	76.85	
			For Obscure Glass, Add	84.53	
08 53 13 00-0354	EA		40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	424.73	53.48
			For Colored Vinyl, Add	31.88	
			For Tinted Glass, Add	38.26	
			For Low-E Insulated Glass, Add	79.70	
			For Obscure Glass, Add	87.67	
08 53 13 00-0355	EA		48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	453.60	57.15
			For Colored Vinyl, Add	33.93	
			For Tinted Glass, Add	40.71	
			For Low-E Insulated Glass, Add	84.62	
			For Obscure Glass, Add	93.30	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0356		<b>24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> <small>(08 53 13 00-0343)</small>		
08 53 13 00-0357	EA	24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	377.19	47.19
		<i>For Colored Vinyl, Add</i>	28.39	
		<i>For Tinted Glass, Add</i>	34.06	
		<i>For Low-E Insulated Glass, Add</i>	70.97	
		<i>For Obscure Glass, Add</i>	78.06	
08 53 13 00-0358	EA	28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	393.49	49.29
		<i>For Colored Vinyl, Add</i>	29.60	
		<i>For Tinted Glass, Add</i>	35.52	
		<i>For Low-E Insulated Glass, Add</i>	73.99	
		<i>For Obscure Glass, Add</i>	81.39	
08 53 13 00-0359	EA	36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	421.49	52.43
		<i>For Colored Vinyl, Add</i>	31.66	
		<i>For Tinted Glass, Add</i>	37.99	
		<i>For Low-E Insulated Glass, Add</i>	79.16	
		<i>For Obscure Glass, Add</i>	87.07	
08 53 13 00-0360	EA	40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	439.51	55.58
		<i>For Colored Vinyl, Add</i>	32.94	
		<i>For Tinted Glass, Add</i>	39.53	
		<i>For Low-E Insulated Glass, Add</i>	82.35	
		<i>For Obscure Glass, Add</i>	90.59	
08 53 13 00-0361	EA	48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	468.72	59.25
		<i>For Colored Vinyl, Add</i>	35.02	
		<i>For Tinted Glass, Add</i>	42.03	
		<i>For Low-E Insulated Glass, Add</i>	87.56	
		<i>For Obscure Glass, Add</i>	96.31	
08 53 13 00-0362		<b>28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> <small>(08 53 13 00-0343)</small>		
08 53 13 00-0363	EA	24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	389.80	49.29
		<i>For Colored Vinyl, Add</i>	29.23	
		<i>For Tinted Glass, Add</i>	35.07	
		<i>For Low-E Insulated Glass, Add</i>	73.07	
		<i>For Obscure Glass, Add</i>	80.37	
08 53 13 00-0364	EA	28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	406.09	51.39
		<i>For Colored Vinyl, Add</i>	30.44	
		<i>For Tinted Glass, Add</i>	36.52	
		<i>For Low-E Insulated Glass, Add</i>	76.09	
		<i>For Obscure Glass, Add</i>	83.70	
08 53 13 00-0365	EA	36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	434.93	54.53
		<i>For Colored Vinyl, Add</i>	32.59	
		<i>For Tinted Glass, Add</i>	39.10	
		<i>For Low-E Insulated Glass, Add</i>	81.47	
		<i>For Obscure Glass, Add</i>	89.61	
08 53 13 00-0366	EA	40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	454.21	57.67
		<i>For Colored Vinyl, Add</i>	33.99	
		<i>For Tinted Glass, Add</i>	40.79	
		<i>For Low-E Insulated Glass, Add</i>	84.98	
		<i>For Obscure Glass, Add</i>	93.47	
08 53 13 00-0367	EA	48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	483.84	61.35
		<i>For Colored Vinyl, Add</i>	36.11	
		<i>For Tinted Glass, Add</i>	43.34	
		<i>For Low-E Insulated Glass, Add</i>	90.29	
		<i>For Obscure Glass, Add</i>	99.31	
08 53 13 00-0368		<b>36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> <small>(08 53 13 00-0343)</small>		
08 53 13 00-0369	EA	36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	460.73	58.21
		<i>For Colored Vinyl, Add</i>	34.43	
		<i>For Tinted Glass, Add</i>	41.32	
		<i>For Low-E Insulated Glass, Add</i>	86.08	
		<i>For Obscure Glass, Add</i>	94.69	
08 53 13 00-0370	EA	40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	480.03	60.83
		<i>For Colored Vinyl, Add</i>	35.84	
		<i>For Tinted Glass, Add</i>	43.01	
		<i>For Low-E Insulated Glass, Add</i>	89.60	
		<i>For Obscure Glass, Add</i>	98.55	
08 53 13 00-0371	EA	48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	511.33	65.02
		<i>For Colored Vinyl, Add</i>	38.13	
		<i>For Tinted Glass, Add</i>	45.76	
		<i>For Low-E Insulated Glass, Add</i>	95.33	
		<i>For Obscure Glass, Add</i>	104.86	
08 53 13 00-0372		<b>Replacement, Awning Vinyl Windows (Silver Line 7400)</b> <small>(08 53 13 00-0341)</small>		
		Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0373	EA	Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	361.54	44.57
		<i>For Colored Vinyl, Add</i>	27.24	
		<i>For Tinted Glass, Add</i>	32.69	
		<i>For Low-E Insulated Glass, Add</i>	68.10	
		<i>For Obscure Glass, Add</i>	74.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0374	EA		>53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	417.08	49.82
			For Colored Vinyl, Add	31.75	
			For Tinted Glass, Add	38.10	
			For Low-E Insulated Glass, Add	79.37	
			For Obscure Glass, Add	87.30	
08 53 13 00-0375	EA		>63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	470.61	55.05
			For Colored Vinyl, Add	36.05	
			For Tinted Glass, Add	43.26	
			For Low-E Insulated Glass, Add	90.13	
			For Obscure Glass, Add	99.14	
08 53 13 00-0376	EA		>73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	522.11	60.30
			For Colored Vinyl, Add	40.15	
			For Tinted Glass, Add	48.18	
			For Low-E Insulated Glass, Add	100.38	
			For Obscure Glass, Add	110.42	
08 53 13 00-0377	EA		>83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	571.60	65.54
			For Colored Vinyl, Add	44.05	
			For Tinted Glass, Add	52.86	
			For Low-E Insulated Glass, Add	110.13	
			For Obscure Glass, Add	121.14	
08 53 13 00-0378	EA		>93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	599.62	70.79
			For Colored Vinyl, Add	45.81	
			For Tinted Glass, Add	54.97	
			For Low-E Insulated Glass, Add	114.51	
			For Obscure Glass, Add	125.96	
08 53 13 00-0379	UI		>101" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	5.90	0.68
			For Colored Vinyl, Add	0.45	
			For Tinted Glass, Add	0.54	
			For Low-E Insulated Glass, Add	1.14	
			For Obscure Glass, Add	1.25	
08 53 13 00-0380			Horizontal Sliding Vinyl Windows <small>(08 53 13)</small>		
08 53 13 00-0381			New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0380)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0382			20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0383	EA		36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	223.41	51.39
			For Colored Vinyl, Add	12.17	
			For Tinted Glass, Add	14.60	
			For Low-E Insulated Glass, Add	30.42	
			For Obscure Glass, Add	33.46	
08 53 13 00-0384	EA		48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	247.93	57.67
			For Colored Vinyl, Add	13.36	
			For Tinted Glass, Add	16.03	
			For Low-E Insulated Glass, Add	33.41	
			For Obscure Glass, Add	36.75	
08 53 13 00-0385	EA		54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	260.17	60.30
			For Colored Vinyl, Add	13.96	
			For Tinted Glass, Add	16.75	
			For Low-E Insulated Glass, Add	34.90	
			For Obscure Glass, Add	38.38	
08 53 13 00-0386	EA		60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	272.44	63.45
			For Colored Vinyl, Add	14.56	
			For Tinted Glass, Add	17.47	
			For Low-E Insulated Glass, Add	36.39	
			For Obscure Glass, Add	40.03	
08 53 13 00-0387	EA		64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	280.60	66.06
			For Colored Vinyl, Add	14.95	
			For Tinted Glass, Add	17.94	
			For Low-E Insulated Glass, Add	37.38	
			For Obscure Glass, Add	41.12	
08 53 13 00-0388	EA		72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	296.95	69.74
			For Colored Vinyl, Add	15.75	
			For Tinted Glass, Add	18.90	
			For Low-E Insulated Glass, Add	39.37	
			For Obscure Glass, Add	43.31	
08 53 13 00-0389			24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0390	EA		36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	234.32	53.48
			For Colored Vinyl, Add	12.84	
			For Tinted Glass, Add	15.41	
			For Low-E Insulated Glass, Add	32.10	
			For Obscure Glass, Add	35.31	
08 53 13 00-0391	EA		48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	259.37	59.78
			For Colored Vinyl, Add	14.09	
			For Tinted Glass, Add	16.90	
			For Low-E Insulated Glass, Add	35.22	
			For Obscure Glass, Add	38.74	
08 53 13 00-0392	EA		54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	271.97	62.40
			For Colored Vinyl, Add	14.72	
			For Tinted Glass, Add	17.66	
			For Low-E Insulated Glass, Add	36.80	
			For Obscure Glass, Add	40.47	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0393	EA 60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	284.45	65.54
	For Colored Vinyl, Add	15.34	
	For Tinted Glass, Add	18.40	
	For Low-E Insulated Glass, Add	38.34	
	For Obscure Glass, Add	42.18	
08 53 13 00-0394	EA 64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	292.80	68.16
	For Colored Vinyl, Add	15.75	
	For Tinted Glass, Add	18.90	
	For Low-E Insulated Glass, Add	39.38	
	For Obscure Glass, Add	43.32	
08 53 13 00-0395	EA 72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	309.52	71.84
	For Colored Vinyl, Add	16.59	
	For Tinted Glass, Add	19.90	
	For Low-E Insulated Glass, Add	41.46	
	For Obscure Glass, Add	45.61	
<b>08 53 13 00-0396</b>	<b>36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver</b>		
	<b>Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0397	EA 36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	267.21	59.78
	For Colored Vinyl, Add	14.87	
	For Tinted Glass, Add	17.85	
	For Low-E Insulated Glass, Add	37.18	
	For Obscure Glass, Add	40.90	
08 53 13 00-0398	EA 48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	294.02	66.06
	For Colored Vinyl, Add	16.29	
	For Tinted Glass, Add	19.55	
	For Low-E Insulated Glass, Add	40.74	
	For Obscure Glass, Add	44.81	
08 53 13 00-0399	EA 54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	307.46	68.69
	For Colored Vinyl, Add	17.01	
	For Tinted Glass, Add	20.41	
	For Low-E Insulated Glass, Add	42.52	
	For Obscure Glass, Add	46.77	
08 53 13 00-0400	EA 60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	320.86	71.84
	For Colored Vinyl, Add	17.72	
	For Tinted Glass, Add	21.26	
	For Low-E Insulated Glass, Add	44.30	
	For Obscure Glass, Add	48.73	
08 53 13 00-0401	EA 64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	329.81	73.41
	For Colored Vinyl, Add	18.20	
	For Tinted Glass, Add	21.83	
	For Low-E Insulated Glass, Add	45.49	
	For Obscure Glass, Add	50.04	
08 53 13 00-0402	EA 72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	347.71	78.12
	For Colored Vinyl, Add	19.15	
	For Tinted Glass, Add	22.97	
	For Low-E Insulated Glass, Add	47.86	
	For Obscure Glass, Add	52.65	
<b>08 53 13 00-0403</b>	<b>42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver</b>		
	<b>Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0404	EA 36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	283.66	62.92
	For Colored Vinyl, Add	15.89	
	For Tinted Glass, Add	19.06	
	For Low-E Insulated Glass, Add	39.72	
	For Obscure Glass, Add	43.69	
08 53 13 00-0405	EA 48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	311.37	69.22
	For Colored Vinyl, Add	17.40	
	For Tinted Glass, Add	20.88	
	For Low-E Insulated Glass, Add	43.50	
	For Obscure Glass, Add	47.85	
08 53 13 00-0406	EA 54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	325.24	71.84
	For Colored Vinyl, Add	18.16	
	For Tinted Glass, Add	21.79	
	For Low-E Insulated Glass, Add	45.39	
	For Obscure Glass, Add	49.93	
08 53 13 00-0407	EA 60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	339.09	74.98
	For Colored Vinyl, Add	18.91	
	For Tinted Glass, Add	22.70	
	For Low-E Insulated Glass, Add	47.28	
	For Obscure Glass, Add	52.01	
08 53 13 00-0408	EA 64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	348.31	77.60
	For Colored Vinyl, Add	19.42	
	For Tinted Glass, Add	23.30	
	For Low-E Insulated Glass, Add	48.54	
	For Obscure Glass, Add	53.39	
08 53 13 00-0409	EA 72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	366.78	81.28
	For Colored Vinyl, Add	20.42	
	For Tinted Glass, Add	24.51	
	For Low-E Insulated Glass, Add	51.06	
	For Obscure Glass, Add	56.17	
<b>08 53 13 00-0410</b>	<b>44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver</b>		
	<b>Line 2800)</b> <small>(08 53 13 00-0381)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0411	EA		36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	289.15	63.97
			For Colored Vinyl, Add	16.23	
			For Tinted Glass, Add	19.47	
			For Low-E Insulated Glass, Add	40.57	
			For Obscure Glass, Add	44.62	
08 53 13 00-0412	EA		48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	317.15	70.27
			For Colored Vinyl, Add	17.77	
			For Tinted Glass, Add	21.32	
			For Low-E Insulated Glass, Add	44.42	
			For Obscure Glass, Add	48.86	
08 53 13 00-0413	EA		54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	331.15	72.88
			For Colored Vinyl, Add	18.54	
			For Tinted Glass, Add	22.25	
			For Low-E Insulated Glass, Add	46.35	
			For Obscure Glass, Add	50.98	
08 53 13 00-0414	EA		60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	345.15	76.03
			For Colored Vinyl, Add	19.31	
			For Tinted Glass, Add	23.17	
			For Low-E Insulated Glass, Add	48.28	
			For Obscure Glass, Add	53.10	
08 53 13 00-0415	EA		64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	354.50	78.65
			For Colored Vinyl, Add	19.82	
			For Tinted Glass, Add	23.79	
			For Low-E Insulated Glass, Add	49.56	
			For Obscure Glass, Add	54.52	
08 53 13 00-0416	EA		72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	373.15	82.32
			For Colored Vinyl, Add	20.85	
			For Tinted Glass, Add	25.02	
			For Low-E Insulated Glass, Add	52.13	
			For Obscure Glass, Add	57.34	
08 53 13 00-0417			<b>46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0418	EA		36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	294.64	65.02
			For Colored Vinyl, Add	16.57	
			For Tinted Glass, Add	19.88	
			For Low-E Insulated Glass, Add	41.41	
			For Obscure Glass, Add	45.55	
08 53 13 00-0419	EA		48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	322.92	71.31
			For Colored Vinyl, Add	18.14	
			For Tinted Glass, Add	21.76	
			For Low-E Insulated Glass, Add	45.34	
			For Obscure Glass, Add	49.87	
08 53 13 00-0420	EA		54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	337.07	73.93
			For Colored Vinyl, Add	18.92	
			For Tinted Glass, Add	22.71	
			For Low-E Insulated Glass, Add	47.30	
			For Obscure Glass, Add	52.03	
08 53 13 00-0421	EA		60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	351.21	77.08
			For Colored Vinyl, Add	19.71	
			For Tinted Glass, Add	23.65	
			For Low-E Insulated Glass, Add	49.26	
			For Obscure Glass, Add	54.19	
08 53 13 00-0422	EA		64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	360.64	79.70
			For Colored Vinyl, Add	20.23	
			For Tinted Glass, Add	24.27	
			For Low-E Insulated Glass, Add	50.57	
			For Obscure Glass, Add	55.63	
08 53 13 00-0423	EA		72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	379.51	83.37
			For Colored Vinyl, Add	21.28	
			For Tinted Glass, Add	25.53	
			For Low-E Insulated Glass, Add	53.19	
			For Obscure Glass, Add	58.51	
08 53 13 00-0424			<b>48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0425	EA		36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	300.11	66.06
			For Colored Vinyl, Add	16.90	
			For Tinted Glass, Add	20.28	
			For Low-E Insulated Glass, Add	42.26	
			For Obscure Glass, Add	46.48	
08 53 13 00-0426	EA		48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	328.71	72.36
			For Colored Vinyl, Add	18.50	
			For Tinted Glass, Add	22.20	
			For Low-E Insulated Glass, Add	46.26	
			For Obscure Glass, Add	50.89	
08 53 13 00-0427	EA		54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	343.00	74.98
			For Colored Vinyl, Add	19.30	
			For Tinted Glass, Add	23.16	
			For Low-E Insulated Glass, Add	48.26	
			For Obscure Glass, Add	53.09	
08 53 13 00-0428	EA		60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	357.28	78.12
			For Colored Vinyl, Add	20.10	
			For Tinted Glass, Add	24.12	
			For Low-E Insulated Glass, Add	50.26	
			For Obscure Glass, Add	55.28	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0429	EA 64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	366.81	80.75
	For Colored Vinyl, Add	20.64	
	For Tinted Glass, Add	24.76	
	For Low-E Insulated Glass, Add	51.59	
	For Obscure Glass, Add	56.75	
08 53 13 00-0430	EA 72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	385.88	84.42
	For Colored Vinyl, Add	21.70	
	For Tinted Glass, Add	26.04	
	For Low-E Insulated Glass, Add	54.26	
	For Obscure Glass, Add	59.69	
<b>08 53 13 00-0431</b>	<b>50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0432	EA 36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	305.61	67.11
	For Colored Vinyl, Add	17.24	
	For Tinted Glass, Add	20.69	
	For Low-E Insulated Glass, Add	43.11	
	For Obscure Glass, Add	47.42	
08 53 13 00-0433	EA 48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	334.47	73.41
	For Colored Vinyl, Add	18.87	
	For Tinted Glass, Add	22.64	
	For Low-E Insulated Glass, Add	47.18	
	For Obscure Glass, Add	51.89	
08 53 13 00-0434	EA 54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	348.90	76.03
	For Colored Vinyl, Add	19.69	
	For Tinted Glass, Add	23.62	
	For Low-E Insulated Glass, Add	49.21	
	For Obscure Glass, Add	54.13	
08 53 13 00-0435	EA 60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	363.34	79.18
	For Colored Vinyl, Add	20.50	
	For Tinted Glass, Add	24.60	
	For Low-E Insulated Glass, Add	51.25	
	For Obscure Glass, Add	56.37	
08 53 13 00-0436	EA 64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	372.97	81.80
	For Colored Vinyl, Add	21.04	
	For Tinted Glass, Add	25.25	
	For Low-E Insulated Glass, Add	52.61	
	For Obscure Glass, Add	57.87	
08 53 13 00-0437	EA 72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	392.23	85.47
	For Colored Vinyl, Add	22.13	
	For Tinted Glass, Add	26.56	
	For Low-E Insulated Glass, Add	55.33	
	For Obscure Glass, Add	60.86	
<b>08 53 13 00-0438</b>	<b>52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0439	EA 36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	311.08	68.16
	For Colored Vinyl, Add	17.58	
	For Tinted Glass, Add	21.10	
	For Low-E Insulated Glass, Add	43.95	
	For Obscure Glass, Add	48.35	
08 53 13 00-0440	EA 48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	340.25	74.46
	For Colored Vinyl, Add	19.24	
	For Tinted Glass, Add	23.09	
	For Low-E Insulated Glass, Add	48.10	
	For Obscure Glass, Add	52.91	
08 53 13 00-0441	EA 54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	354.84	77.08
	For Colored Vinyl, Add	20.07	
	For Tinted Glass, Add	24.08	
	For Low-E Insulated Glass, Add	50.17	
	For Obscure Glass, Add	55.19	
08 53 13 00-0442	EA 60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	369.43	80.23
	For Colored Vinyl, Add	20.90	
	For Tinted Glass, Add	25.08	
	For Low-E Insulated Glass, Add	52.25	
	For Obscure Glass, Add	57.47	
08 53 13 00-0443	EA 64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	379.15	82.85
	For Colored Vinyl, Add	21.45	
	For Tinted Glass, Add	25.74	
	For Low-E Insulated Glass, Add	53.63	
	For Obscure Glass, Add	58.99	
08 53 13 00-0444	EA 72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	398.60	86.51
	For Colored Vinyl, Add	22.56	
	For Tinted Glass, Add	27.07	
	For Low-E Insulated Glass, Add	56.39	
	For Obscure Glass, Add	62.03	
<b>08 53 13 00-0445</b>	<b>54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0446	EA 36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	316.57	69.22
	For Colored Vinyl, Add	17.92	
	For Tinted Glass, Add	21.50	
	For Low-E Insulated Glass, Add	44.80	
	For Obscure Glass, Add	49.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0447	EA		48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	346.02	75.50
			For Colored Vinyl, Add	19.61	
			For Tinted Glass, Add	23.53	
			For Low-E Insulated Glass, Add	49.02	
			For Obscure Glass, Add	53.92	
08 53 13 00-0448	EA		54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	360.77	78.12
			For Colored Vinyl, Add	20.45	
			For Tinted Glass, Add	24.54	
			For Low-E Insulated Glass, Add	51.13	
			For Obscure Glass, Add	56.24	
08 53 13 00-0449	EA		60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	375.49	81.28
			For Colored Vinyl, Add	21.30	
			For Tinted Glass, Add	25.55	
			For Low-E Insulated Glass, Add	53.24	
			For Obscure Glass, Add	58.56	
08 53 13 00-0450	EA		64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	385.32	83.90
			For Colored Vinyl, Add	21.86	
			For Tinted Glass, Add	26.23	
			For Low-E Insulated Glass, Add	54.65	
			For Obscure Glass, Add	60.11	
08 53 13 00-0451	EA		72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	404.95	87.56
			For Colored Vinyl, Add	22.98	
			For Tinted Glass, Add	27.58	
			For Low-E Insulated Glass, Add	57.46	
			For Obscure Glass, Add	63.20	
<b>08 53 13 00-0452</b>			<b>60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0453	EA		36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	341.95	72.36
			For Colored Vinyl, Add	19.83	
			For Tinted Glass, Add	23.79	
			For Low-E Insulated Glass, Add	49.57	
			For Obscure Glass, Add	54.53	
08 53 13 00-0454	EA		48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	363.37	78.65
			For Colored Vinyl, Add	20.71	
			For Tinted Glass, Add	24.85	
			For Low-E Insulated Glass, Add	51.78	
			For Obscure Glass, Add	56.96	
08 53 13 00-0455	EA		54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	378.54	81.28
			For Colored Vinyl, Add	21.60	
			For Tinted Glass, Add	25.92	
			For Low-E Insulated Glass, Add	54.00	
			For Obscure Glass, Add	59.40	
08 53 13 00-0456	EA		60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	393.70	84.42
			For Colored Vinyl, Add	22.49	
			For Tinted Glass, Add	26.98	
			For Low-E Insulated Glass, Add	56.22	
			For Obscure Glass, Add	61.84	
08 53 13 00-0457	EA		64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	403.82	87.04
			For Colored Vinyl, Add	23.08	
			For Tinted Glass, Add	27.69	
			For Low-E Insulated Glass, Add	57.70	
			For Obscure Glass, Add	63.47	
08 53 13 00-0458	EA		72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	424.04	90.71
			For Colored Vinyl, Add	24.26	
			For Tinted Glass, Add	29.11	
			For Low-E Insulated Glass, Add	60.66	
			For Obscure Glass, Add	66.72	
<b>08 53 13 00-0459</b>			<b>Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700)</b> <small>(08 53 13 00-0380)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0460	EA		Up To 73" U/I, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	338.18	55.05
			For Colored Vinyl, Add	22.81	
			For Tinted Glass, Add	27.37	
			For Low-E Insulated Glass, Add	57.02	
			For Obscure Glass, Add	62.72	
08 53 13 00-0461	EA		>73" To 83" U/I, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	371.54	60.30
			For Colored Vinyl, Add	25.10	
			For Tinted Glass, Add	30.11	
			For Low-E Insulated Glass, Add	62.74	
			For Obscure Glass, Add	69.01	
08 53 13 00-0462	EA		>83" To 93" U/I, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	402.89	65.54
			For Colored Vinyl, Add	27.18	
			For Tinted Glass, Add	32.62	
			For Low-E Insulated Glass, Add	67.95	
			For Obscure Glass, Add	74.75	
08 53 13 00-0463	EA		>93" To 101" U/I, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	426.58	70.79
			For Colored Vinyl, Add	28.50	
			For Tinted Glass, Add	34.20	
			For Low-E Insulated Glass, Add	71.25	
			For Obscure Glass, Add	78.38	
08 53 13 00-0464	EA		>101" To 110" U/I, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	451.37	76.03
			For Colored Vinyl, Add	29.93	
			For Tinted Glass, Add	35.92	
			For Low-E Insulated Glass, Add	74.83	
			For Obscure Glass, Add	82.31	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0465	EA		>110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	489.07	81.28
			For Colored Vinyl, Add	32.65	
			For Tinted Glass, Add	39.18	
			For Low-E Insulated Glass, Add	81.63	
			For Obscure Glass, Add	89.80	
08 53 13 00-0466	UI		>120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	4.08	0.68
			For Colored Vinyl, Add	0.27	
			For Tinted Glass, Add	0.33	
			For Low-E Insulated Glass, Add	0.68	
			For Obscure Glass, Add	0.75	
<b>08 53 13 00-0467</b>			<b>Basement Vinyl Windows (08 53 13)</b>		
<b>08 53 13 00-0468</b>			<b>New Construction, Basement Vinyl Windows (Silver Line 5900) (08 53 13 00-0467)</b>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0469	EA		32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900).....	204.84	41.95
			For Colored Vinyl, Add	12.09	
			For Tinted Glass, Add	14.51	
			For Low-E Insulated Glass, Add	30.24	
			For Obscure Glass, Add	33.26	
08 53 13 00-0470	EA		32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900).....	218.95	41.95
			For Colored Vinyl, Add	13.51	
			For Tinted Glass, Add	16.21	
			For Low-E Insulated Glass, Add	33.76	
			For Obscure Glass, Add	37.14	
08 53 13 00-0471	EA		32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900).....	227.01	41.95
			For Colored Vinyl, Add	14.31	
			For Tinted Glass, Add	17.17	
			For Low-E Insulated Glass, Add	35.78	
			For Obscure Glass, Add	39.36	
<b>08 53 13 00-0472</b>			<b>Replacement, Basement Vinyl Windows (08 53 13 00-0467)</b>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0473	EA		Up To 47" UI, Replacement, Basement Vinyl Window.....	253.13	40.90
			For Colored Vinyl, Add	17.13	
			For Tinted Glass, Add	20.56	
			For Low-E Insulated Glass, Add	42.83	
			For Obscure Glass, Add	47.12	
08 53 13 00-0474	EA		>47" To 55" UI, Replacement, Basement Vinyl Window.....	282.84	47.19
			For Colored Vinyl, Add	18.85	
			For Tinted Glass, Add	22.62	
			For Low-E Insulated Glass, Add	47.12	
			For Obscure Glass, Add	51.83	
08 53 13 00-0475	UI		>55" UI, Replacement, Basement Vinyl Window.....	4.79	0.68
			For Colored Vinyl, Add	0.34	
			For Tinted Glass, Add	0.41	
			For Low-E Insulated Glass, Add	0.86	
			For Obscure Glass, Add	0.94	
<b>08 53 13 00-0476</b>			<b>Accessories For Vinyl Windows (08 53 13)</b>		
<b>08 53 13 00-0477</b>			<b>Factory Installed Grilles For Vinyl Windows (08 53 13 00-0476)</b>		
<b>08 53 13 00-0478</b>			<b>Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)</b>		
08 53 13 00-0479	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	28.22	
08 53 13 00-0480	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	36.28	
08 53 13 00-0481	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	46.73	
08 53 13 00-0482	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	55.16	
08 53 13 00-0483	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	67.80	
<b>08 53 13 00-0484</b>			<b>Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)</b>		
08 53 13 00-0485	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	64.13	
08 53 13 00-0486	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	76.96	
08 53 13 00-0487	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	97.12	
08 53 13 00-0488	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	120.94	
08 53 13 00-0489	EA		>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	144.76	
<b>08 53 66</b>			<b>Vinyl Window Screens (08 53)</b>		
<b>08 53 66 00-0001</b>			<b>Insect Screens For Vinyl Windows (08 53 66)</b>		
08 53 66 00-0002	EA		Up To 6 SF, Insect Screen For Vinyl Windows.....	33.40	7.54
08 53 66 00-0003	EA		>6 To 9 SF, Insect Screen For Vinyl Windows.....	44.40	7.54
08 53 66 00-0004	EA		>9 To 12 SF, Insect Screen For Vinyl Windows.....	48.06	7.54
08 53 66 00-0005	EA		>12 To 15 SF, Insect Screen For Vinyl Windows.....	55.39	7.54
08 53 66 00-0006	EA		>15 To 20 SF, Insect Screen For Vinyl Windows.....	71.88	7.54



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 53 66 00-0007	EA		>20 To 25 SF, Insect Screen For Vinyl Windows.....	79.21	7.54
08 53 66 00-0008	EA		>25 To 30 SF, Insect Screen For Vinyl Windows.....	90.21	7.54
08 53 66 00-0009	EA		>30 To 35 SF, Insect Screen For Vinyl Windows.....	97.54	7.54
08 53 66 00-0010	SF		>35 SF, Insect Screen For Vinyl Windows.....	2.95	0.15

08 56 Special Function Windows (08 50)

**08 56 19 Pass Windows (08 56)**

**08 56 19 00-0001 Bullet Resistant Pass Through Service Window, Steel Frame (08 56 19)**

Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)

08 56 19 00-0002	EA		24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	3,317.52	571.01
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	45.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	295.00	
08 56 19 00-0003	EA		30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	3,637.49	618.59
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	60.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	370.00	
08 56 19 00-0004	EA		36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	3,832.66	666.19
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	70.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	445.00	
08 56 19 00-0005	EA		48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	4,778.02	761.35
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	100.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	650.00	
08 56 19 00-0006	EA		72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	6,502.06	1,142.03
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	150.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	975.00	

**08 56 49 Radiation Shielding Windows (08 56)**

**08 56 49 00-0001 Lead Lined Window Frames (08 56 49)**

08 56 49 00-0002	LF		1/8" Lead Lined, 16 Gauge Telescoping Window Frame.....	43.03	7.87
08 56 49 00-0003	LF		1/16" Lead Lined, 16 Gauge Telescoping Window Frame.....	38.39	7.87

**08 56 56 Security Window Screens (08 56)**

Note: All security window screens include frame and mounting hardware. Operable security screens include hinges and related hardware.

**08 56 56 00-0001 Wire Mesh Security Screen (08 56 56)**

**08 56 56 00-0002 Wire Mesh, Inoperable, Security Window Screen (08 56 56 00-0001)**

08 56 56 00-0003	SF		13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	19.78	4.29
			<i>For Painted Steel, Add</i>	1.41	
			<i>For Galvanized Steel, Add</i>	2.81	
			<i>For Aluminum, Add</i>	5.63	
			<i>For Stainless Steel, Add</i>	24.62	
08 56 56 00-0004	SF		11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	20.18	4.29
			<i>For Painted Steel, Add</i>	1.45	
			<i>For Galvanized Steel, Add</i>	2.89	
			<i>For Aluminum, Add</i>	5.79	
			<i>For Stainless Steel, Add</i>	25.32	
08 56 56 00-0005	SF		9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	22.04	4.29
			<i>For Painted Steel, Add</i>	1.63	
			<i>For Galvanized Steel, Add</i>	3.27	
			<i>For Aluminum, Add</i>	6.53	
			<i>For Stainless Steel, Add</i>	28.58	
08 56 56 00-0006	SF		6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	26.01	4.29
			<i>For Painted Steel, Add</i>	2.03	
			<i>For Galvanized Steel, Add</i>	4.06	
			<i>For Aluminum, Add</i>	8.12	
			<i>For Stainless Steel, Add</i>	35.53	

**08 56 56 00-0007 Wire Mesh, Operable, Security Window Screen (08 56 56 00-0001)**

08 56 56 00-0008	SF		13 Gauge, Wire Mesh, Operable, Steel Security Window Screen.....	27.65	5.23
			<i>For Painted Steel, Add</i>	2.00	
			<i>For Galvanized Steel, Add</i>	4.01	
			<i>For Aluminum, Add</i>	8.02	
			<i>For Stainless Steel, Add</i>	35.07	
08 56 56 00-0009	SF		11 Gauge, Wire Mesh, Operable, Steel Security Window Screen.....	28.27	5.23
			<i>For Painted Steel, Add</i>	2.07	
			<i>For Galvanized Steel, Add</i>	4.13	
			<i>For Aluminum, Add</i>	8.26	
			<i>For Stainless Steel, Add</i>	36.16	
08 56 56 00-0010	SF		9 Gauge, Wire Mesh, Operable, Steel Security Window Screen.....	30.93	5.23
			<i>For Painted Steel, Add</i>	2.33	
			<i>For Galvanized Steel, Add</i>	4.66	
			<i>For Aluminum, Add</i>	9.33	
			<i>For Stainless Steel, Add</i>	40.81	
08 56 56 00-0011	SF		6 Gauge, Wire Mesh, Operable, Steel Security Window Screen.....	36.50	5.23
			<i>For Painted Steel, Add</i>	2.89	
			<i>For Galvanized Steel, Add</i>	5.78	
			<i>For Aluminum, Add</i>	11.56	
			<i>For Stainless Steel, Add</i>	50.56	

**08 56 56 00-0012 Wire Cloth Security Screen (08 56 56)**

Note: Wire cloth has from 10 to 12 strands per 1".

**08 Openings****08 50 Windows****08 56 Special Function Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
<b>08 56 56 00-0013</b>	<b>Wire Cloth, Inoperable, Security Window Screens</b> (08 56 56 00-0012)		
08 56 56 00-0014	SF 24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen.....	13.15	2.85
	For Painted Steel, Add	0.42	
	For Galvanized Steel, Add	1.26	
	For Aluminum, Add	2.52	
	For Stainless Steel, Add	10.49	
08 56 56 00-0015	SF 22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen.....	13.72	2.85
	For Painted Steel, Add	0.45	
	For Galvanized Steel, Add	1.34	
	For Aluminum, Add	2.69	
	For Stainless Steel, Add	11.20	
08 56 56 00-0016	SF 20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen.....	14.60	2.85
	For Painted Steel, Add	0.49	
	For Galvanized Steel, Add	1.48	
	For Aluminum, Add	2.95	
	For Stainless Steel, Add	12.30	
08 56 56 00-0017	SF 18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen.....	16.30	2.85
	For Painted Steel, Add	0.58	
	For Galvanized Steel, Add	1.73	
	For Aluminum, Add	3.46	
	For Stainless Steel, Add	14.43	
<b>08 56 56 00-0018</b>	<b>Wire Cloth, Operable, Security Window Screens</b> (08 56 56 00-0012)		
08 56 56 00-0019	SF 24 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	17.67	3.80
	For Painted Steel, Add	0.60	
	For Galvanized Steel, Add	1.79	
	For Aluminum, Add	3.59	
	For Stainless Steel, Add	14.95	
08 56 56 00-0020	SF 22 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	18.54	3.80
	For Painted Steel, Add	0.64	
	For Galvanized Steel, Add	1.92	
	For Aluminum, Add	3.85	
	For Stainless Steel, Add	16.04	
08 56 56 00-0021	SF 20 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	19.75	3.80
	For Painted Steel, Add	0.70	
	For Galvanized Steel, Add	2.11	
	For Aluminum, Add	4.21	
	For Stainless Steel, Add	17.55	
08 56 56 00-0022	SF 18 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	22.17	3.80
	For Painted Steel, Add	0.82	
	For Galvanized Steel, Add	2.47	
	For Aluminum, Add	4.94	
	For Stainless Steel, Add	20.58	
<b>08 56 56 00-0023</b>	<b>Expanded Metal Security Screen</b> (08 56 56)		
	Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.		
<b>08 56 56 00-0024</b>	<b>Expanded Metal, Inoperable, Security Screen</b> (08 56 56 00-0023)		
08 56 56 00-0025	SF 1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen.....	24.94	7.14
	For Painted Steel, Add	0.82	
	For Galvanized Steel, Add	2.46	
	For Aluminum, Add	4.91	
	For Stainless Steel, Add	20.48	
08 56 56 00-0026	SF 1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen.....	29.19	8.56
	For Painted Steel, Add	0.94	
	For Galvanized Steel, Add	2.81	
	For Aluminum, Add	5.62	
	For Stainless Steel, Add	23.40	
08 56 56 00-0027	SF 3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen.....	32.78	10.47
	For Painted Steel, Add	1.02	
	For Galvanized Steel, Add	3.06	
	For Aluminum, Add	6.12	
	For Stainless Steel, Add	25.51	
08 56 56 00-0028	SF 3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen.....	38.55	12.37
	For Painted Steel, Add	1.17	
	For Galvanized Steel, Add	3.50	
	For Aluminum, Add	7.00	
	For Stainless Steel, Add	29.15	
08 56 56 00-0029	SF 1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen.....	35.89	11.90
	For Painted Steel, Add	1.08	
	For Galvanized Steel, Add	3.24	
	For Aluminum, Add	6.49	
	For Stainless Steel, Add	27.03	
08 56 56 00-0030	SF 3 LB/SF Expanded Metal, Inoperable, Steel Security Window Screen.....	45.27	15.23
	For Painted Steel, Add	1.36	
	For Galvanized Steel, Add	4.08	
	For Aluminum, Add	8.16	
	For Stainless Steel, Add	33.99	
<b>08 56 56 00-0031</b>	<b>Expanded Metal, Operable, Security Screen</b> (08 56 56 00-0023)		
08 56 56 00-0032	SF 1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen.....	26.15	8.56
	For Painted Steel, Add	0.78	
	For Galvanized Steel, Add	2.35	
	For Aluminum, Add	4.70	
	For Stainless Steel, Add	19.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0033	SF		1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	39.08	10.47
			<i>For Painted Steel, Add</i>	1.34	
			<i>For Galvanized Steel, Add</i>	4.01	
			<i>For Aluminum, Add</i>	8.01	
			<i>For Stainless Steel, Add</i>	33.39	
08 56 56 00-0034	SF		3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	43.40	11.90
			<i>For Painted Steel, Add</i>	1.46	
			<i>For Galvanized Steel, Add</i>	4.37	
			<i>For Aluminum, Add</i>	8.74	
			<i>For Stainless Steel, Add</i>	36.41	
08 56 56 00-0035	SF		1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen	47.00	13.32
			<i>For Painted Steel, Add</i>	1.54	
			<i>For Galvanized Steel, Add</i>	4.62	
			<i>For Aluminum, Add</i>	9.25	
			<i>For Stainless Steel, Add</i>	38.53	
08 56 56 00-0036	SF		3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen	51.31	15.23
			<i>For Painted Steel, Add</i>	1.66	
			<i>For Galvanized Steel, Add</i>	4.98	
			<i>For Aluminum, Add</i>	9.97	
			<i>For Stainless Steel, Add</i>	41.54	
08 56 56 00-0037	SF		3 LB/SF Expanded Metal, Operable, Steel Security Window Screen	58.72	16.65
			<i>For Painted Steel, Add</i>	1.94	
			<i>For Galvanized Steel, Add</i>	5.81	
			<i>For Aluminum, Add</i>	11.62	
			<i>For Stainless Steel, Add</i>	48.41	
<b>08 56 56 00-0038</b>			<b>Perforated Metal Security Screen (08 56 56)</b>		
<b>08 56 56 00-0039</b>			<b>Perforated Metal, Inoperable, Steel Security Window Screen (08 56 56 00-0038)</b>		
08 56 56 00-0040	SF		22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	22.01	4.29
			<i>For Painted Steel, Add</i>	0.82	
			<i>For Galvanized Steel, Add</i>	2.45	
			<i>For Aluminum, Add</i>	4.89	
			<i>For Stainless Steel, Add</i>	16.30	
08 56 56 00-0041	SF		20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	22.65	4.29
			<i>For Painted Steel, Add</i>	0.85	
			<i>For Galvanized Steel, Add</i>	2.54	
			<i>For Aluminum, Add</i>	5.08	
			<i>For Stainless Steel, Add</i>	16.94	
08 56 56 00-0042	SF		18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	24.83	4.29
			<i>For Painted Steel, Add</i>	0.96	
			<i>For Galvanized Steel, Add</i>	2.87	
			<i>For Aluminum, Add</i>	5.74	
			<i>For Stainless Steel, Add</i>	19.12	
08 56 56 00-0043	SF		16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	28.95	4.29
			<i>For Painted Steel, Add</i>	1.16	
			<i>For Galvanized Steel, Add</i>	3.49	
			<i>For Aluminum, Add</i>	6.97	
			<i>For Stainless Steel, Add</i>	23.24	
<b>08 56 56 00-0044</b>			<b>Perforated Metal, Operable, Steel Security Window Screen (08 56 56 00-0038)</b>		
08 56 56 00-0045	SF		22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	30.77	5.23
			<i>For Painted Steel, Add</i>	1.16	
			<i>For Galvanized Steel, Add</i>	3.47	
			<i>For Aluminum, Add</i>	6.95	
			<i>For Stainless Steel, Add</i>	23.16	
08 56 56 00-0046	SF		20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	31.90	5.23
			<i>For Painted Steel, Add</i>	1.21	
			<i>For Galvanized Steel, Add</i>	3.64	
			<i>For Aluminum, Add</i>	7.29	
			<i>For Stainless Steel, Add</i>	24.29	
08 56 56 00-0047	SF		18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	34.72	5.23
			<i>For Painted Steel, Add</i>	1.36	
			<i>For Galvanized Steel, Add</i>	4.07	
			<i>For Aluminum, Add</i>	8.13	
			<i>For Stainless Steel, Add</i>	27.11	
08 56 56 00-0048	SF		16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	40.61	5.23
			<i>For Painted Steel, Add</i>	1.65	
			<i>For Galvanized Steel, Add</i>	4.95	
			<i>For Aluminum, Add</i>	9.90	
			<i>For Stainless Steel, Add</i>	33.00	
<b>08 56 56 00-0049</b>			<b>Removal And Reinstallation Of Security Screens And Guards (08 56 56)</b>		
08 56 56 00-0050	SF		Removal And Reinstallation Of Security Screens	11.96	
<b>08 56 59</b>			<b>Service and Teller Window Units (08 56)</b>		
<b>08 56 59 00-0001</b>			<b>Communicator For Window (08 56 59)</b>		
08 56 59 00-0002	EA		Electronic Two-Way Talk-thru Hands-Free Audio Communicator (Haven SC-350)	1,888.78	190.34
			Note: Communicator is designed for applications where a fire shutter or window shade is present. Two-way communication is accomplished through the use of speakers and micro-phones located on each side of the partition. The Master unit is equipped with a 15" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote Unit is window-mounted and may incorporate a level 3 bullet-resistive insert.		

**08 Openings****08 50 Windows****08 56 Special Function Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 56 59 00-0003	EA	Electronic Two-Way Audio Communicator (Haven SC-300).....		1,652.57	190.34
Note: Communicator is designed for application where a cutout in the barrier is impractical. Two-way communication is accomplished through the use of speakers and microphones located on each side of the partition. The master unit is equipped with a 20" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote unit is vandal-resistant with all controls located within the housing.					
08 56 59 00-0004	EA	Electronic Two-Way Talk-Thru Communication System (Norcon TTU-1).....		1,506.76	190.34
<b>08 56 59 00-0005</b>		<b>Speak-Thru Communicator For Window</b> <small>(08 56 59)</small>			
08 56 59 00-0006	EA	5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru (CRL 834A).....		117.63	
Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).					
08 56 59 00-0007	EA	6-3/16" Diameter, Polished Stainless Steel, No-Draft Speak-Thru (Brixwell 834LPS).....		169.05	
Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).					
<b>08 56 59 00-0008</b>		<b>Counter Drop-In Deal Tray</b> <small>(08 56 59)</small>			
08 56 59 00-0009	EA	16" Wide x 10" Deep x 1-9/16" High, Brushed Stainless Steel, Standard Drop-In Deal Tray (CRL CTDB16).....		316.37	39.61

**08 60 Roof Windows and Skylights** (08)

Note: Includes hardware, caulk, sealant and necessary anchors.

**08 62 Unit Skylights** (08 60)**08 62 23 Tubular Skylights** (08 62)**08 62 23 00-0001 Aluminum Framed Solar Tube Skylights** (08 62 23)

Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.

**08 62 23 00-0002 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights** (08 62 23 00-0001)

08 62 23 00-0003	EA	2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		983.78	172.71
For Class 3 Hail Rated, Add				4.00	
For Polycarbonate Diffuser Lens, Add				7.00	
For High Velocity Hurricane Zone Rated, Add				14.00	
For FM Approved, Add				20.00	
For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add				49.00	
For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add				69.00	
For Single Blade Louver, Add				715.85	
08 62 23 00-0004	EA	3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		1,036.86	177.04
For Class 3 Hail Rated, Add				4.00	
For Polycarbonate Diffuser Lens, Add				7.00	
For High Velocity Hurricane Zone Rated, Add				14.00	
For FM Approved, Add				20.00	
For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add				49.00	
For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add				69.00	
For Single Blade Louver, Add				716.72	
08 62 23 00-0005	EA	4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		1,088.44	181.35
For Class 3 Hail Rated, Add				4.00	
For Polycarbonate Diffuser Lens, Add				7.00	
For High Velocity Hurricane Zone Rated, Add				14.00	
For FM Approved, Add				20.00	
For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add				49.00	
For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add				69.00	
For Single Blade Louver, Add				717.58	
08 62 23 00-0006	EA	5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		1,160.77	185.67
For Class 3 Hail Rated, Add				4.00	
For Polycarbonate Diffuser Lens, Add				7.00	
For High Velocity Hurricane Zone Rated, Add				14.00	
For FM Approved, Add				20.00	
For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add				49.00	
For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add				69.00	
For Single Blade Louver, Add				718.44	
08 62 23 00-0007	EA	6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		1,224.21	189.99
For Class 3 Hail Rated, Add				4.00	
For Polycarbonate Diffuser Lens, Add				7.00	
For High Velocity Hurricane Zone Rated, Add				14.00	
For FM Approved, Add				20.00	
For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add				49.00	
For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add				69.00	
For Single Blade Louver, Add				719.31	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0008	EA			7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,275.79	194.30
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	720.17	
08 62 23 00-0009	EA			8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,327.38	198.62
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	721.04	
08 62 23 00-0010	EA			9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,411.55	202.94
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	721.90	
08 62 23 00-0011	EA			10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,463.14	207.26
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	722.76	
08 62 23 00-0012	EA			11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,516.21	211.58
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	723.63	
08 62 23 00-0013	EA			12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,567.79	215.90
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	724.49	
08 62 23 00-0014	EA			13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,651.96	220.21
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	725.35	
08 62 23 00-0015	EA			14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,703.56	224.53
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	726.22	
08 62 23 00-0016	EA			15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,755.14	228.84
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	727.08	
08 62 23 00-0017	EA			16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,806.73	233.17
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	727.94	

## 08 Openings

## 08 60 Roof Windows and Skylights

## 08 62 Unit Skylights

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 62 23 00-0018		31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights			
08 62 23 00-0019	EA	2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,183.73		172.71
		<i>For Class 3 Hail Rated, Add</i>	5.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	22.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00		
		<i>For Single Blade Louver, Add</i>	715.85		
08 62 23 00-0020	EA	3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,256.06		177.04
		<i>For Class 3 Hail Rated, Add</i>	5.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	22.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00		
		<i>For Single Blade Louver, Add</i>	716.72		
08 62 23 00-0021	EA	4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,328.38		181.35
		<i>For Class 3 Hail Rated, Add</i>	5.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	22.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00		
		<i>For Single Blade Louver, Add</i>	717.58		
08 62 23 00-0022	EA	5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,400.70		185.67
		<i>For Class 3 Hail Rated, Add</i>	5.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	22.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00		
		<i>For Single Blade Louver, Add</i>	718.44		
08 62 23 00-0023	EA	6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,517.46		189.99
		<i>For Class 3 Hail Rated, Add</i>	5.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	22.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00		
		<i>For Single Blade Louver, Add</i>	719.31		
08 62 23 00-0024	EA	7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,589.78		194.30
		<i>For Class 3 Hail Rated, Add</i>	5.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	22.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00		
		<i>For Single Blade Louver, Add</i>	720.17		
08 62 23 00-0025	EA	8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,662.11		198.62
		<i>For Class 3 Hail Rated, Add</i>	5.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	22.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00		
		<i>For Single Blade Louver, Add</i>	721.04		
08 62 23 00-0026	EA	9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,778.86		202.94
		<i>For Class 3 Hail Rated, Add</i>	5.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	22.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00		
		<i>For Single Blade Louver, Add</i>	721.90		
08 62 23 00-0027	EA	10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,851.19		207.26
		<i>For Class 3 Hail Rated, Add</i>	5.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	22.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00		
		<i>For Single Blade Louver, Add</i>	722.76		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 62 23 00-0028	EA			11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,923.51	211.58
				<i>For Class 3 Hail Rated, Add</i>	5.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	22.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
				<i>For Single Blade Louver, Add</i>	723.63	
08 62 23 00-0029	EA			12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,995.83	215.90
				<i>For Class 3 Hail Rated, Add</i>	5.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	22.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
				<i>For Single Blade Louver, Add</i>	724.49	
08 62 23 00-0030	EA			13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,112.58	220.21
				<i>For Class 3 Hail Rated, Add</i>	5.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	22.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
				<i>For Single Blade Louver, Add</i>	725.35	
08 62 23 00-0031	EA			14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,184.92	224.53
				<i>For Class 3 Hail Rated, Add</i>	5.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	22.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
				<i>For Single Blade Louver, Add</i>	726.22	
08 62 23 00-0032	EA			15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,257.24	228.84
				<i>For Class 3 Hail Rated, Add</i>	5.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	22.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
				<i>For Single Blade Louver, Add</i>	727.08	
08 62 23 00-0033	EA			16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,329.55	233.17
				<i>For Class 3 Hail Rated, Add</i>	5.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	22.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
				<i>For Single Blade Louver, Add</i>	727.94	
<b>08 62 23 00-0034</b>				<b>55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights</b> <small>(08 62 23 00-0001)</small>		
08 62 23 00-0035	EA			2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,572.01	194.30
				<i>For Class 3 Hail Rated, Add</i>	10.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
				<i>For FM Approved, Add</i>	36.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
				<i>For Single Blade Louver, Add</i>	720.17	
08 62 23 00-0036	EA			3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,672.48	198.62
				<i>For Class 3 Hail Rated, Add</i>	10.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
				<i>For FM Approved, Add</i>	36.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
				<i>For Single Blade Louver, Add</i>	721.04	
08 62 23 00-0037	EA			4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,774.42	202.94
				<i>For Class 3 Hail Rated, Add</i>	10.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
				<i>For FM Approved, Add</i>	36.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
				<i>For Single Blade Louver, Add</i>	721.90	

**08 Openings****08 60 Roof Windows and Skylights****08 62 Unit Skylights**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0038	EA		5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,874.88	207.26
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	72.76	
08 62 23 00-0039	EA		6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,034.60	211.58
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	72.63	
08 62 23 00-0040	EA		7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,135.05	215.90
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	72.49	
08 62 23 00-0041	EA		8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,235.51	220.21
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	72.35	
08 62 23 00-0042	EA		9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,396.72	224.53
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	72.22	
08 62 23 00-0043	EA		10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,497.17	228.84
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	72.08	
08 62 23 00-0044	EA		11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,597.63	233.17
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	72.94	
08 62 23 00-0045	EA		12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,698.09	237.49
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	72.81	
08 62 23 00-0046	EA		13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,857.81	241.80
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	72.67	
08 62 23 00-0047	EA		14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,958.27	246.12
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	730.53	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 62 23 00-0048	EA			15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,060.21	250.44
				<i>For Class 3 Hail Rated, Add</i>	10.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
				<i>For FM Approved, Add</i>	36.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
				<i>For Single Blade Louver, Add</i>	731.40	
08 62 23 00-0049	EA			16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,160.68	254.75
				<i>For Class 3 Hail Rated, Add</i>	10.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
				<i>For FM Approved, Add</i>	36.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
				<i>For Single Blade Louver, Add</i>	732.26	

08 63 Metal-Framed Skylights (08 60)

**08 63 13 Domed Metal-Framed Skylights (08 63)**

08 63 13 00-0001 Domed Aluminum Framed Skylights (08 63 13)

08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0001)

08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)

08 63 13 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0005	EA			27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	351.71	86.36
08 63 13 00-0006	EA			27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	402.65	86.36
08 63 13 00-0007	EA			27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	545.03	97.16
08 63 13 00-0008	EA			27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	616.11	107.95
08 63 13 00-0009	EA			39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	428.84	86.36
08 63 13 00-0010	EA			39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	526.11	97.16
08 63 13 00-0011	EA			39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	558.12	97.16
08 63 13 00-0012	EA			39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	642.30	107.95
08 63 13 00-0013	EA			39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	748.30	118.74
08 63 13 00-0014	EA			51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	531.93	97.16
08 63 13 00-0015	EA			51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	588.46	107.95
08 63 13 00-0016	EA			51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	649.58	107.95
08 63 13 00-0017	EA			51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	714.83	118.74
08 63 13 00-0018	EA			52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	791.72	129.54
08 63 13 00-0019	EA			52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	890.43	140.33
08 63 13 00-0020	EA			63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	632.12	107.95
08 63 13 00-0021	EA			63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	695.91	118.74
08 63 13 00-0022	EA			63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	793.18	129.54
08 63 13 00-0023	EA			63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	831.01	129.54
08 63 13 00-0024	EA			63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	958.83	140.33

08 63 13 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0026	EA			27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	424.48	86.36
08 63 13 00-0027	EA			27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	473.96	86.36
08 63 13 00-0028	EA			27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	601.78	97.16
08 63 13 00-0029	EA			27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	674.32	107.95

**08 Openings****08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 63 13 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		481.23	86.36
08 63 13 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		566.86	97.16
08 63 13 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		601.78	97.16
08 63 13 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		691.78	107.95
08 63 13 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		777.41	118.74
08 63 13 00-0035	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		572.68	97.16
08 63 13 00-0036	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		635.03	107.95
08 63 13 00-0037	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		674.32	107.95
08 63 13 00-0038	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		742.48	118.74
08 63 13 00-0039	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		806.27	129.54
08 63 13 00-0040	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		906.44	140.33
08 63 13 00-0041	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		680.14	107.95
08 63 13 00-0042	EA	63-5/8" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		748.30	118.74
08 63 13 00-0043	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		823.74	129.54
08 63 13 00-0044	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		864.48	129.54
08 63 13 00-0045	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		980.66	140.33
<b>08 63 13 00-0046</b>		<b>High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0003)</small>			
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.			
08 63 13 00-0047	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		430.30	86.36
08 63 13 00-0048	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		485.60	86.36
08 63 13 00-0049	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		617.79	97.16
08 63 13 00-0050	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		495.79	86.36
08 63 13 00-0051	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		587.23	97.16
08 63 13 00-0052	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		617.79	97.16
08 63 13 00-0053	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		709.25	107.95
08 63 13 00-0054	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		585.78	97.16
08 63 13 00-0055	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		646.67	107.95
08 63 13 00-0056	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		693.24	107.95
08 63 13 00-0057	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		761.40	118.74
08 63 13 00-0058	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		829.56	129.54
08 63 13 00-0059	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		697.60	107.95
08 63 13 00-0060	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		771.59	118.74
08 63 13 00-0061	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		847.02	129.54
08 63 13 00-0062	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		887.77	129.54
<b>08 63 13 00-0063</b>		<b>FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0003)</small>			
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.			
08 63 13 00-0064	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		440.49	86.36
08 63 13 00-0065	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		501.61	86.36
08 63 13 00-0066	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		632.35	97.16
08 63 13 00-0067	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		726.71	107.95
08 63 13 00-0068	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....		510.34	86.36

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 63 13 00-0069	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	600.33	97.16
08 63 13 00-0070	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	632.35	97.16
08 63 13 00-0071	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	731.08	107.95
08 63 13 00-0072	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	601.78	97.16
08 63 13 00-0073	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	662.68	107.95
08 63 13 00-0074	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	713.61	107.95
08 63 13 00-0075	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	783.23	118.74
08 63 13 00-0076	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	852.84	129.54
08 63 13 00-0077	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	719.43	107.95
08 63 13 00-0078	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	793.41	118.74
08 63 13 00-0079	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	870.31	129.54
08 63 13 00-0080	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	913.96	129.54

**08 63 13 00-0081**

**Curb Top Inserts** (08 63 13 00-0003)

Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb.

**08 63 13 00-0082**

**Single Glazed, Aluminum Framed Curb Top Inserts** (08 63 13 00-0081)

08 63 13 00-0083	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	139.68	43.18
08 63 13 00-0084	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	193.43	48.57
08 63 13 00-0085	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	325.05	64.76
08 63 13 00-0086	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	300.92	59.37
08 63 13 00-0087	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	366.52	64.76

**08 63 13 00-0088**

**Double Glazed, Aluminum Framed Curb Top Inserts** (08 63 13 00-0081)

08 63 13 00-0089	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	200.40	43.18
08 63 13 00-0090	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	310.44	48.57
08 63 13 00-0091	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	536.84	64.76
08 63 13 00-0092	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	526.04	59.37
08 63 13 00-0093	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	659.77	64.76

**08 63 13 00-0094**

**Triple Glazed, Aluminum Framed Curb Top Inserts** (08 63 13 00-0081)

08 63 13 00-0095	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	259.65	43.18
08 63 13 00-0096	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	421.52	48.57
08 63 13 00-0097	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	797.52	64.76
08 63 13 00-0098	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	736.36	59.37
08 63 13 00-0099	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	932.30	64.76

**08 63 13 00-0100**

**Pyramid Style Fixed Dome, Aluminum Framed Skylights** (08 63 13 00-0002)

**08 63 13 00-0101**

**Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight** (08 63 13 00-0100)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0102	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	325.52	86.36
08 63 13 00-0103	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	388.09	86.36
08 63 13 00-0104	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	491.18	97.16
08 63 13 00-0105	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	616.11	107.95

**08 63 13 00-0106**

**Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight** (08 63 13 00-0100)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0107	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	439.03	86.36
08 63 13 00-0108	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	504.52	86.36
08 63 13 00-0109	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	597.42	97.16
08 63 13 00-0110	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	713.61	107.95

**08 63 13 00-0111**

**Double Hip Style Fixed Dome, Aluminum Framed Skylights** (08 63 13 00-0002)

**08 Openings****08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**

		MINOR	DESCRIPTION		TOTAL DIRECT	DEMOLITION
		CSI	UOM		UNIT COST	UNIT COST
08 63 13 00-0112				<b>Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0111)</small>		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.						
08 63 13 00-0113	EA			27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	379.36	86.36
08 63 13 00-0114	EA			27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	501.37	97.16
08 63 13 00-0115	EA			27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	592.82	107.95
08 63 13 00-0116	EA			39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	470.81	97.16
08 63 13 00-0117	EA			39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	501.37	97.16
08 63 13 00-0118	EA			39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	610.29	107.95
08 63 13 00-0119	EA			39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	717.74	118.74
08 63 13 00-0120	EA			51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	549.16	107.95
08 63 13 00-0121	EA			51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	592.82	107.95
08 63 13 00-0122	EA			51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	662.44	118.74
08 63 13 00-0123	EA			52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	727.69	129.54
08 63 13 00-0124	EA			52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	858.41	140.33
08 63 13 00-0125	EA			63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	679.90	118.74
08 63 13 00-0126	EA			63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	771.35	129.54
08 63 13 00-0127	EA			63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	816.46	129.54
08 63 13 00-0128	EA			63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	942.82	140.33
08 63 13 00-0129				<b>Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0111)</small>		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.						
08 63 13 00-0130	EA			27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	428.84	86.36
08 63 13 00-0131	EA			27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	481.23	86.36
08 63 13 00-0132	EA			27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	609.06	97.16
08 63 13 00-0133	EA			39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	491.42	86.36
08 63 13 00-0134	EA			39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	550.85	97.16
08 63 13 00-0135	EA			39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	578.50	97.16
08 63 13 00-0136	EA			39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	609.06	97.16
08 63 13 00-0137	EA			39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	701.97	107.95
08 63 13 00-0138	EA			51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	579.95	97.16
08 63 13 00-0139	EA			51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	640.85	107.95
08 63 13 00-0140	EA			51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	684.51	107.95
08 63 13 00-0141	EA			51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	751.21	118.74
08 63 13 00-0142	EA			52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	817.92	129.54
08 63 13 00-0143	EA			63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	687.42	107.95
08 63 13 00-0144	EA			63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	761.40	118.74
08 63 13 00-0145	EA			63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	835.38	129.54
08 63 13 00-0146	EA			63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	874.67	129.54
08 63 13 00-0147				<b>Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0111)</small>		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.						
08 63 13 00-0148	EA			27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	476.87	86.36
08 63 13 00-0149	EA			27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	627.98	97.16

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 63 13 00-0150	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	594.51	97.16
	08 63 13 00-0151	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	627.98	97.16
	08 63 13 00-0152	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	725.26	107.95
	08 63 13 00-0153	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	658.31	107.95
	08 63 13 00-0154	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	706.34	107.95
	08 63 13 00-0155	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	777.41	118.74
	08 63 13 00-0156	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	841.20	129.54
	08 63 13 00-0157	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	787.59	118.74
	08 63 13 00-0158	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	864.48	129.54
	08 63 13 00-0159	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	906.69	129.54
	08 63 13 00-0160			<b>Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0001)		
	08 63 13 00-0161			<b>Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0160) Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing.		
	08 63 13 00-0162			<b>Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0161)		
	08 63 13 00-0163			<b>10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0162)		
	08 63 13 00-0164	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,958.87	129.54
	08 63 13 00-0165	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,826.44	129.54
	08 63 13 00-0166	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,056.38	129.54
	08 63 13 00-0167			<b>25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0162)		
	08 63 13 00-0168	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,539.54	129.54
	08 63 13 00-0169	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,412.92	129.54
	08 63 13 00-0170	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,671.97	129.54
	08 63 13 00-0171			<b>30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0162)		
	08 63 13 00-0172	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,706.89	129.54
	08 63 13 00-0173	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,577.37	129.54
	08 63 13 00-0174	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,836.42	129.54
	08 63 13 00-0175			<b>Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0161)		
	08 63 13 00-0176			<b>10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0175)		
	08 63 13 00-0177	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	1,967.60	129.54
	08 63 13 00-0178	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	1,835.17	129.54
	08 63 13 00-0179	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	2,069.47	129.54
	08 63 13 00-0180			<b>25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0175)		
	08 63 13 00-0181	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	2,551.18	129.54
	08 63 13 00-0182	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	2,421.66	129.54
	08 63 13 00-0183	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	2,686.52	129.54

**08 Openings****08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0184			<b>30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0175)		
08 63 13 00-0185	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,715.63	129.54
08 63 13 00-0186	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,586.10	129.54
08 63 13 00-0187	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,850.97	129.54

**08 66 Wood-Framed Skylights** (08 60)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 66 00 00-0001			<b>Wood-Framed Skylights (Andersen 400 Series)</b> (08 66)		
08 66 00 00-0002	EA		16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	576.40	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	78.56	
			For Aluminum Shingle Flashing, Add	62.85	
08 66 00 00-0003	EA		16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	589.23	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	81.77	
			For Aluminum Shingle Flashing, Add	65.41	
08 66 00 00-0004	EA		24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series)	558.77	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	74.15	
			For Aluminum Shingle Flashing, Add	59.32	
08 66 00 00-0005	EA		24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	598.85	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	84.17	
			For Aluminum Shingle Flashing, Add	67.34	
08 66 00 00-0006	EA		24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	632.51	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	92.59	
			For Aluminum Shingle Flashing, Add	74.07	
08 66 00 00-0007	EA		24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	687.02	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	106.21	
			For Aluminum Shingle Flashing, Add	84.97	
08 66 00 00-0008	EA		24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	755.96	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	123.45	
			For Aluminum Shingle Flashing, Add	98.76	
08 66 00 00-0009	EA		27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	558.77	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	74.15	
			For Aluminum Shingle Flashing, Add	59.32	
08 66 00 00-0010	EA		28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	640.53	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	94.59	
			For Aluminum Shingle Flashing, Add	75.67	
08 66 00 00-0011	EA		28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	687.02	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	106.21	
			For Aluminum Shingle Flashing, Add	84.97	
08 66 00 00-0012	EA		28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	739.93	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	119.44	
			For Aluminum Shingle Flashing, Add	95.55	
08 66 00 00-0013	EA		28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	810.47	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	137.08	
			For Aluminum Shingle Flashing, Add	109.66	
08 66 00 00-0014	EA		38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	576.40	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	78.56	
			For Aluminum Shingle Flashing, Add	62.85	
08 66 00 00-0015	EA		38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	598.85	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	84.17	
			For Aluminum Shingle Flashing, Add	67.34	
08 66 00 00-0016	EA		38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	640.53	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	94.59	
			For Aluminum Shingle Flashing, Add	75.67	
08 66 00 00-0017	EA		44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	788.03	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	131.47	
			For Aluminum Shingle Flashing, Add	105.17	
08 66 00 00-0018	EA		46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	589.23	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	81.77	
			For Aluminum Shingle Flashing, Add	65.41	
08 66 00 00-0019	EA		46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	632.51	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	92.59	
			For Aluminum Shingle Flashing, Add	74.07	
08 66 00 00-0020	EA		46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	687.02	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	106.21	
			For Aluminum Shingle Flashing, Add	84.97	
08 66 00 00-0021	EA		46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series)	788.03	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	131.47	
			For Aluminum Shingle Flashing, Add	105.17	
08 66 00 00-0022	EA		57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	687.02	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	106.21	
			For Aluminum Shingle Flashing, Add	84.97	
08 66 00 00-0023	EA		57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	739.93	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	119.44	
			For Aluminum Shingle Flashing, Add	95.55	
08 66 00 00-0024	EA		72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	755.96	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	123.45	
			For Aluminum Shingle Flashing, Add	98.76	
08 66 00 00-0025	EA		72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	810.47	131.08
			For Tempered Laminated Low-E Insulated Glass, Add	137.08	
			For Aluminum Shingle Flashing, Add	109.66	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 70 Hardware <sup>(08)</sup>

08 71 Door Hardware <sup>(08 70)</sup>

**08 71 11 Door Hardware** <sup>(08 71)</sup>

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0050 for removal and reinstallation of existing door where required for modifications.

08 71 11 00-0001	<b>Hinges</b> <sup>(08 71 11)</sup> Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.		
08 71 11 00-0002	<b>Brass/Bronze, Satin Chrome Finish Hinges</b> <sup>(08 71 11 00-0001)</sup> Note: US26D (BHMA 626) satin chrome finish.		
08 71 11 00-0003	<b>Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> <sup>(08 71 11 00-0002)</sup> Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0004	PR 3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	77.75	7.34
	<i>For Clear Coated Bright Brass, Add</i>	5.45	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0005	PR 4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	85.29	10.49
	<i>For Clear Coated Bright Brass, Add</i>	6.07	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0006	PR 4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	96.18	11.53
	<i>For Clear Coated Bright Brass, Add</i>	5.08	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0007	<b>Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> <sup>(08 71 11 00-0002)</sup> Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0008	PR 3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	89.53	7.34
	<i>For Clear Coated Bright Brass, Add</i>	6.99	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0009	PR 4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	102.39	10.49
	<i>For Clear Coated Bright Brass, Add</i>	6.99	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0010	PR 4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	104.07	11.53
	<i>For Clear Coated Bright Brass, Add</i>	6.18	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0011	PR 5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	121.57	13.63
	<i>For Clear Coated Bright Brass, Add</i>	7.23	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0012	PR 5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	122.35	13.63
	<i>For Clear Coated Bright Brass, Add</i>	7.34	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0013	PR 6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	131.34	17.51
	<i>For Clear Coated Bright Brass, Add</i>	8.60	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0014	<b>Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> <sup>(08 71 11 00-0002)</sup> Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0015	PR 3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	101.57	7.34
08 71 11 00-0016	PR 4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	114.42	10.49
08 71 11 00-0017	PR 4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	117.16	11.53
08 71 11 00-0018	PR 5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	136.01	13.63
08 71 11 00-0019	<b>Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> <sup>(08 71 11 00-0002)</sup> Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0020	PR 4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	130.34	11.53
	<i>For Clear Coated Bright Brass, Add</i>	9.86	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0021	PR 5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	148.06	13.63
	<i>For Clear Coated Bright Brass, Add</i>	10.94	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0022	PR 5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	164.60	13.63
	<i>For Clear Coated Bright Brass, Add</i>	13.26	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0023	<b>Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> <sup>(08 71 11 00-0002)</sup> Note: Set into mortised edge of the door and surface applied to the face of the frame.		
08 71 11 00-0024	PR 4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	133.62	11.53
	<i>For Clear Coated Bright Brass, Add</i>	10.32	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0025	PR 5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	157.37	13.63
	<i>For Clear Coated Bright Brass, Add</i>	12.24	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0026			<b>Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge</b> (08 71 11 00-0002) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0027	PR		4-1/2" x 4-1/2" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	129.66	11.53
			For Clear Coated Bright Brass, Add	9.76	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0028	PR		5" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	149.86	17.51
			For Clear Coated Bright Brass, Add	11.19	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0029	PR		6" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	178.28	17.51
			For Clear Coated Bright Brass, Add	15.17	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0030			<b>Mortised, Wrought Steel Hinges</b> (08 71 11 00-0001) Note: Clear coated, US 26D satin chrome finish (BHMA 652).		
08 71 11 00-0031			<b>Full Mortise, Plain Bearing, Wrought Steel Hinges</b> (08 71 11 00-0030) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0032	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge .....	48.66	7.34
			For Primed For Paint Finish, Deduct	-1.82	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	1.14	
			For Satin Brass Plated Clear Coated Finish, Deduct	-1.09	
			For Stainless Steel, Add	5.00	
			For Heavy Duty, Add	1.36	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0033	PR		4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge .....	62.46	10.49
			For Primed For Paint Finish, Deduct	-2.01	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	1.25	
			For Satin Brass Plated Clear Coated Finish, Deduct	-1.20	
			For Stainless Steel, Add	5.52	
			For Heavy Duty, Add	1.50	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0034	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge .....	72.16	11.53
			For Primed For Paint Finish, Deduct	-2.45	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	1.53	
			For Satin Brass Plated Clear Coated Finish, Deduct	-1.47	
			For Stainless Steel, Add	6.73	
			For Heavy Duty, Add	1.83	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0035			<b>Full Mortise, Ball Bearing, Wrought Steel Hinges</b> (08 71 11 00-0030) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0036	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge .....	72.71	7.34
			For Primed For Paint Finish, Deduct	-6.63	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	4.14	
			For Satin Brass Plated Clear Coated Finish, Deduct	-3.98	
			For Stainless Steel, Add	18.23	
			For Heavy Duty, Add	4.97	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0037	PR		4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge .....	89.96	10.49
			For Primed For Paint Finish, Deduct	-7.51	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	4.69	
			For Satin Brass Plated Clear Coated Finish, Deduct	-4.50	
			For Stainless Steel, Add	20.64	
			For Heavy Duty, Add	5.63	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0038	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge .....	109.93	11.53
			For Primed For Paint Finish, Deduct	-10.00	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	6.25	
			For Satin Brass Plated Clear Coated Finish, Deduct	-6.00	
			For Stainless Steel, Add	27.50	
			For Heavy Duty, Add	7.50	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0039	PR		5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge .....	124.78	13.63
			For Primed For Paint Finish, Deduct	-10.97	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	6.86	
			For Satin Brass Plated Clear Coated Finish, Deduct	-6.58	
			For Stainless Steel, Add	30.18	
			For Heavy Duty, Add	8.23	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0040	PR		5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge .....	132.52	13.63
			For Primed For Paint Finish, Deduct	-12.52	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	7.83	
			For Satin Brass Plated Clear Coated Finish, Deduct	-7.51	
			For Stainless Steel, Add	34.44	
			For Heavy Duty, Add	9.39	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0041	PR		6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge .....	156.13	13.63
			For Primed For Paint Finish, Deduct	-17.24	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	10.78	
			For Satin Brass Plated Clear Coated Finish, Deduct	-10.35	
			For Stainless Steel, Add	47.42	
			For Heavy Duty, Add	12.93	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0042			<b>Half Surface, Plain Bearing, Wrought Steel Hinges</b> (08 71 11 00-0030) Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0043	PR		3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	86.60	7.34
			<i>For Primed For Paint Finish, Deduct</i>	-9.41	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	5.88	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-5.64	
			<i>For Stainless Steel, Add</i>	25.87	
			<i>For Heavy Duty, Add</i>	7.05	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0044	PR		4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	105.73	10.49
			<i>For Primed For Paint Finish, Deduct</i>	-10.66	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	6.66	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-6.40	
			<i>For Stainless Steel, Add</i>	29.32	
			<i>For Heavy Duty, Add</i>	8.00	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0045	PR		4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	119.50	11.53
			<i>For Primed For Paint Finish, Deduct</i>	-11.91	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	7.45	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-7.15	
			<i>For Stainless Steel, Add</i>	32.76	
			<i>For Heavy Duty, Add</i>	8.94	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0046	PR		5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	135.75	13.63
			<i>For Primed For Paint Finish, Deduct</i>	-13.17	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	8.23	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-7.90	
			<i>For Stainless Steel, Add</i>	36.21	
			<i>For Heavy Duty, Add</i>	9.88	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
<b>08 71 11 00-0047</b>			<b>Half Surface, Ball Bearing, Wrought Steel Hinges</b> (08 71 11 00-0030)		
			Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0048	PR		4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	119.84	11.53
			<i>For Primed For Paint Finish, Deduct</i>	-13.48	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	8.43	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-8.09	
			<i>For Stainless Steel, Add</i>	37.08	
			<i>For Heavy Duty, Add</i>	10.11	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0049	PR		4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	134.52	11.53
			<i>For Primed For Paint Finish, Deduct</i>	-14.92	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	9.32	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-8.95	
			<i>For Stainless Steel, Add</i>	41.02	
			<i>For Heavy Duty, Add</i>	11.19	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0050	PR		5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	156.13	13.63
			<i>For Primed For Paint Finish, Deduct</i>	-17.24	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	10.78	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-10.35	
			<i>For Stainless Steel, Add</i>	47.42	
			<i>For Heavy Duty, Add</i>	12.93	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
<b>08 71 11 00-0051</b>			<b>Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges</b> (08 71 11 00-0030)		
			Note: Both leaves slide into a cavity prepared in the door and door frame.		
08 71 11 00-0052	PR		4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	111.55	11.53
			<i>For Primed For Paint Finish, Deduct</i>	-10.32	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	6.45	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-6.19	
			<i>For Stainless Steel, Add</i>	28.39	
			<i>For Heavy Duty, Add</i>	7.74	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
<b>08 71 11 00-0053</b>			<b>Blank Butt Hinges</b> (08 71 11 00-0030)		
08 71 11 00-0054	PR		3-1/2" x 3-1/2" To 5" x 5", Blank Butt With Screws, Steel Hinge.....	25.32	4.71
			<i>For Primed For Paint Finish, Deduct</i>	-1.31	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	0.82	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-0.79	
			<i>For Stainless Steel, Add</i>	3.61	
			<i>For Heavy Duty, Add</i>	0.99	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
<b>08 71 11 00-0055</b>			<b>Full Mortise, Single Acting Spring, Wrought Steel Hinges</b> (08 71 11 00-0030)		
			Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0056	PR		3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	88.88	7.34
			<i>For Primed For Paint Finish, Deduct</i>	-9.86	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	6.16	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-5.92	
			<i>For Stainless Steel, Add</i>	27.12	
08 71 11 00-0057	PR		4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	116.93	10.49
			<i>For Primed For Paint Finish, Deduct</i>	-12.90	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	8.06	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-7.74	
			<i>For Stainless Steel, Add</i>	35.48	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-0058	PR	4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	154.80		11.53
		<i>For Primed For Paint Finish, Deduct</i>	-18.97		
		<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	11.86		
		<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-11.38		
		<i>For Stainless Steel, Add</i>	52.18		
08 71 11 00-0059		<b>Offset And Pivot Hinges</b> (08 71 11 00-0001)			
		Note: Satin chrome plated, US26D.			
08 71 11 00-0060		<b>Offset Swing Clear Hinges</b> (08 71 11 00-0059)			
		Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.			
08 71 11 00-0061	EA	4-1/2", Swing Clear, Offset Hinges.....	146.23		3.27
08 71 11 00-0062		<b>Offset Pivot Hinges</b> (08 71 11 00-0059)			
08 71 11 00-0063		<b>3/4" Offset Pivot Hinges</b> (08 71 11 00-0062)			
08 71 11 00-0064		<b>3/4" Offset Pivot Hinges</b> (08 71 11 00-0063)			
08 71 11 00-0065		<b>Top Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0064)			
08 71 11 00-0066		<b>200 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0065)			
08 71 11 00-0067	EA	Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	107.83		10.49
08 71 11 00-0068	EA	Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	143.37		10.49
08 71 11 00-0069	EA	Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	163.12		10.49
08 71 11 00-0070	EA	Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	163.12		10.49
08 71 11 00-0071	EA	Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	163.12		10.49
08 71 11 00-0072	EA	Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	163.12		10.49
08 71 11 00-0073	EA	Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	163.12		10.49
08 71 11 00-0074	EA	Painted Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	118.10		10.49
08 71 11 00-0075	EA	Satin Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	148.91		10.49
08 71 11 00-0076	EA	Bright Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	169.44		10.49
08 71 11 00-0077	EA	Satin Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	169.44		10.49
08 71 11 00-0078	EA	Satin Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	169.44		10.49
08 71 11 00-0079	EA	Dark Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	169.44		10.49
08 71 11 00-0080	EA	Bright Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	169.44		10.49
08 71 11 00-0081	EA	Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	107.83		10.49
08 71 11 00-0082	EA	Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	143.37		10.49
08 71 11 00-0083	EA	Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	163.12		10.49
08 71 11 00-0084	EA	Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	163.12		10.49
08 71 11 00-0085	EA	Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	163.12		10.49
08 71 11 00-0086	EA	Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	163.12		10.49
08 71 11 00-0087	EA	Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	163.12		10.49
08 71 11 00-0088		<b>500 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0065)			
08 71 11 00-0089	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	113.07		13.11
08 71 11 00-0090	EA	Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	148.61		13.11
08 71 11 00-0091	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	168.36		13.11
08 71 11 00-0092	EA	Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	168.36		13.11
08 71 11 00-0093	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	168.36		13.11
08 71 11 00-0094	EA	Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	168.36		13.11
08 71 11 00-0095	EA	Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	168.36		13.11
08 71 11 00-0096		<b>600 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0065)			
08 71 11 00-0097	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	113.07		13.11
08 71 11 00-0098	EA	Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	148.61		13.11
08 71 11 00-0099	EA	Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	168.36		13.11
08 71 11 00-0100	EA	Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	168.36		13.11
08 71 11 00-0101	EA	Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	168.36		13.11
08 71 11 00-0102	EA	Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	168.36		13.11
08 71 11 00-0103	EA	Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	168.36		13.11
08 71 11 00-0104		<b>700 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0065)			
08 71 11 00-0105	EA	Painted Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	113.07		13.11
08 71 11 00-0106	EA	Satin Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	148.61		13.11
08 71 11 00-0107	EA	Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	168.36		13.11
08 71 11 00-0108	EA	Satin Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	168.36		13.11
08 71 11 00-0109	EA	Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	168.36		13.11
08 71 11 00-0110	EA	Dark Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	168.36		13.11
08 71 11 00-0111	EA	Bright Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	168.36		13.11
08 71 11 00-0112		<b>Intermediate Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0064)			
08 71 11 00-0113		<b>200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0112)			
08 71 11 00-0114	EA	Painted Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	133.10		10.49
08 71 11 00-0115	EA	Satin Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	163.12		10.49
08 71 11 00-0116	EA	Bright Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	184.44		10.49



**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-0180	EA	Satin Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	178.63		13.11
08 71 11 00-0181	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	178.63		13.11
08 71 11 00-0182	EA	Dark Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	178.63		13.11
08 71 11 00-0183	EA	Bright Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	178.63		13.11
<b>08 71 11 00-0184</b>		<b>700 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0145)			
08 71 11 00-0185	EA	Painted Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	346.83		13.11
08 71 11 00-0186	EA	Satin Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	372.10		13.11
08 71 11 00-0187	EA	Bright Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	412.39		13.11
08 71 11 00-0188	EA	Satin Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	412.39		13.11
08 71 11 00-0189	EA	Satin Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	412.39		13.11
08 71 11 00-0190	EA	Dark Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	412.39		13.11
08 71 11 00-0191	EA	Bright Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	412.39		13.11
<b>08 71 11 00-0192</b>		<b>Fire Rated, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0063)			
<b>08 71 11 00-0193</b>		<b>Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0192)			
<b>08 71 11 00-0194</b>		<b>500 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0193)			
08 71 11 00-0195	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	208.65		13.11
08 71 11 00-0196	EA	Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	245.74		13.11
08 71 11 00-0197	EA	Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	275.76		13.11
08 71 11 00-0198	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	275.76		13.11
08 71 11 00-0199	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	275.76		13.11
<b>08 71 11 00-0200</b>		<b>600 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0193)			
08 71 11 00-0201	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	208.65		13.11
08 71 11 00-0202	EA	Satin Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	245.74		13.11
08 71 11 00-0203	EA	Bright Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	275.76		13.11
08 71 11 00-0204	EA	Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	275.76		13.11
08 71 11 00-0205	EA	Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	275.76		13.11
<b>08 71 11 00-0206</b>		<b>700 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0193)			
08 71 11 00-0207	EA	Painted Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	208.65		13.11
08 71 11 00-0208	EA	Satin Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	245.74		13.11
08 71 11 00-0209	EA	Bright Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	275.76		13.11
08 71 11 00-0210	EA	Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	275.76		13.11
08 71 11 00-0211	EA	Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	275.76		13.11
<b>08 71 11 00-0212</b>		<b>1,000 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0193)			
08 71 11 00-0213	EA	Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	220.20		15.74
08 71 11 00-0214	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	250.99		15.74
08 71 11 00-0215	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	265.22		15.74
08 71 11 00-0216	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	265.22		15.74
08 71 11 00-0217	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	265.22		15.74
<b>08 71 11 00-0218</b>		<b>1,750 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0193)			
08 71 11 00-0219	EA	Painted Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	220.20		15.74
08 71 11 00-0220	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	250.99		15.74
08 71 11 00-0221	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	265.22		15.74
08 71 11 00-0222	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	265.22		15.74
08 71 11 00-0223	EA	Satin Bronze Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	265.22		15.74

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0224			Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0192)</small>		
08 71 11 00-0225			500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0224)</small>		
08 71 11 00-0226	EA		Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	214.95	13.11
08 71 11 00-0227	EA		Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	249.70	13.11
08 71 11 00-0228	EA		Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	259.97	13.11
08 71 11 00-0229	EA		Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	259.97	13.11
08 71 11 00-0230	EA		Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	259.97	13.11
08 71 11 00-0231			600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0224)</small>		
08 71 11 00-0232	EA		Painted Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	214.95	13.11
08 71 11 00-0233	EA		Satin Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	249.70	13.11
08 71 11 00-0234	EA		Bright Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	259.97	13.11
08 71 11 00-0235	EA		Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	259.97	13.11
08 71 11 00-0236	EA		Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	259.97	13.11
08 71 11 00-0237			700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0224)</small>		
08 71 11 00-0238	EA		Painted Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	214.95	13.11
08 71 11 00-0239	EA		Satin Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	249.70	13.11
08 71 11 00-0240	EA		Bright Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	259.97	13.11
08 71 11 00-0241	EA		Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	259.97	13.11
08 71 11 00-0242	EA		Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	259.97	13.11
08 71 11 00-0243			1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0224)</small>		
08 71 11 00-0244	EA		Painted Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	240.74	15.74
08 71 11 00-0245	EA		Satin Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	276.27	15.74
08 71 11 00-0246	EA		Bright Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	285.74	15.74
08 71 11 00-0247	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	285.74	15.74
08 71 11 00-0248	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	285.74	15.74
08 71 11 00-0249			1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0224)</small>		
08 71 11 00-0250	EA		Painted Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	240.74	15.74
08 71 11 00-0251	EA		Satin Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	276.27	15.74
08 71 11 00-0252	EA		Bright Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	285.74	15.74
08 71 11 00-0253	EA		Bright Brass Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	285.74	15.74
08 71 11 00-0254	EA		Satin Bronze Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	285.74	15.74
08 71 11 00-0255			Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0192)</small>		
08 71 11 00-0256			500 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0255)</small>		
08 71 11 00-0257	EA		Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	239.44	13.11
08 71 11 00-0258	EA		Satin Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	295.51	13.11
08 71 11 00-0259	EA		Bright Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	316.83	13.11
08 71 11 00-0260	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	316.83	13.11

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 71 11 00-0261	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	316.83		13.11
<b>08 71 11 00-0262</b>		<b>600 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0255)</small>			
08 71 11 00-0263	EA	Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	235.49		13.11
08 71 11 00-0264	EA	Satin Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	249.70		13.11
08 71 11 00-0265	EA	Bright Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	286.03		13.11
08 71 11 00-0266	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	286.03		13.11
08 71 11 00-0267	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	286.03		13.11
<b>08 71 11 00-0268</b>		<b>1,000 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0255)</small>			
08 71 11 00-0269	EA	Painted Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	270.74		15.74
08 71 11 00-0270	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	300.76		15.74
08 71 11 00-0271	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	311.81		15.74
08 71 11 00-0272	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	311.81		15.74
08 71 11 00-0273	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	311.81		15.74
<b>08 71 11 00-0274</b>		<b>1,750 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0255)</small>			
08 71 11 00-0275	EA	Painted Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	382.10		15.74
08 71 11 00-0276	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	407.37		15.74
08 71 11 00-0277	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	417.64		15.74
08 71 11 00-0278	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	417.64		15.74
08 71 11 00-0279	EA	Satin Bronze Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	417.64		15.74
<b>08 71 11 00-0280</b>		<b>1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0062)</small>			
<b>08 71 11 00-0281</b>		<b>Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0280)</small>			
<b>08 71 11 00-0282</b>		<b>Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0281)</small>			
<b>08 71 11 00-0283</b>		<b>400 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0282)</small>			
08 71 11 00-0284	EA	Painted Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	245.74		13.11
08 71 11 00-0285	EA	Satin Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	265.49		13.11
08 71 11 00-0286	EA	Bright Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	280.49		13.11
08 71 11 00-0287	EA	Bright Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	280.49		13.11
08 71 11 00-0288	EA	Satin Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	280.49		13.11
<b>08 71 11 00-0289</b>		<b>500 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0282)</small>			
08 71 11 00-0290	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	245.74		13.11
08 71 11 00-0291	EA	Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	265.49		13.11
08 71 11 00-0292	EA	Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	280.49		13.11
08 71 11 00-0293	EA	Bright Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	280.49		13.11
08 71 11 00-0294	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	280.49		13.11
<b>08 71 11 00-0295</b>		<b>Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0281)</small>			
<b>08 71 11 00-0296</b>		<b>400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0295)</small>			
08 71 11 00-0297	EA	Painted Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	255.22		13.11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0298	EA		Satin Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	286.03	13.11
08 71 11 00-0299	EA		Bright Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	301.03	13.11
08 71 11 00-0300	EA		Bright Brass Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	301.03	13.11
08 71 11 00-0301	EA		Satin Bronze Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	301.03	13.11
<b>08 71 11 00-0302</b>			<b>500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> (08 71 11 00-0295)		
08 71 11 00-0303	EA		Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	255.22	13.11
08 71 11 00-0304	EA		Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	286.03	13.11
08 71 11 00-0305	EA		Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	301.03	13.11
08 71 11 00-0306	EA		Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	301.03	13.11
08 71 11 00-0307	EA		Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	301.03	13.11
<b>08 71 11 00-0308</b>			<b>Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> (08 71 11 00-0281)		
<b>08 71 11 00-0309</b>			<b>400 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> (08 71 11 00-0308)		
08 71 11 00-0310	EA		Painted Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	249.70	13.11
08 71 11 00-0311	EA		Satin Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	286.03	13.11
08 71 11 00-0312	EA		Bright Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	301.03	13.11
08 71 11 00-0313	EA		Bright Brass Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	301.03	13.11
08 71 11 00-0314	EA		Satin Bronze Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	301.03	13.11
<b>08 71 11 00-0315</b>			<b>500 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> (08 71 11 00-0308)		
08 71 11 00-0316	EA		Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	402.12	13.11
08 71 11 00-0317	EA		Satin Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	443.18	13.11
08 71 11 00-0318	EA		Bright Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	453.45	13.11
08 71 11 00-0319	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	453.45	13.11
08 71 11 00-0320	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	453.45	13.11
<b>08 71 11 00-0321</b>			<b>Center Hung Pivot Hinges</b> (08 71 11 00-0059)		
<b>08 71 11 00-0322</b>			<b>Top Mount, Center Hung Pivot Hinges</b> (08 71 11 00-0321)		
<b>08 71 11 00-0323</b>			<b>300 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges</b> (08 71 11 00-0322)		
08 71 11 00-0324	EA		Painted Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	128.37	10.49
08 71 11 00-0325	EA		Satin Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	138.64	10.49
08 71 11 00-0326	EA		Bright Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	138.64	10.49
08 71 11 00-0327	EA		Satin Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	138.64	10.49
08 71 11 00-0328	EA		Satin Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	138.64	10.49
08 71 11 00-0329	EA		Dark Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	138.64	10.49
08 71 11 00-0330	EA		Bright Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	138.64	10.49
<b>08 71 11 00-0331</b>			<b>500 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges</b> (08 71 11 00-0322)		
08 71 11 00-0332	EA		Painted Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	133.61	13.11
08 71 11 00-0333	EA		Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	143.88	13.11
08 71 11 00-0334	EA		Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	143.88	13.11
08 71 11 00-0335	EA		Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	143.88	13.11
08 71 11 00-0336	EA		Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	143.88	13.11
08 71 11 00-0337	EA		Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	143.88	13.11
08 71 11 00-0338	EA		Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	143.88	13.11
<b>08 71 11 00-0339</b>			<b>600 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges</b> (08 71 11 00-0322)		
08 71 11 00-0340	EA		Painted Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	133.61	13.11
08 71 11 00-0341	EA		Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	143.88	13.11
08 71 11 00-0342	EA		Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	143.88	13.11
08 71 11 00-0343	EA		Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	143.88	13.11
08 71 11 00-0344	EA		Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	143.88	13.11
08 71 11 00-0345	EA		Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	143.88	13.11
08 71 11 00-0346	EA		Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	143.88	13.11

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 71 11 00-0347		1,000 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0322)			
08 71 11 00-0348	EA	Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top) .....	209.93		15.74
08 71 11 00-0349	EA	Satin Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top) .....	244.69		15.74
08 71 11 00-0350	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top) .....	281.01		15.74
08 71 11 00-0351	EA	Satin Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top) .....	281.01		15.74
08 71 11 00-0352	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top) .....	281.01		15.74
08 71 11 00-0353	EA	Dark Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top) .....	281.01		15.74
08 71 11 00-0354	EA	Bright Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top) .....	281.01		15.74
08 71 11 00-0355		Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0321)			
08 71 11 00-0356		300 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0355)			
08 71 11 00-0357	EA	Painted Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM) .....	98.35		10.49
08 71 11 00-0358	EA	Satin Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM) .....	113.37		10.49
08 71 11 00-0359	EA	Bright Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM) .....	128.37		10.49
08 71 11 00-0360	EA	Satin Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM) .....	128.37		10.49
08 71 11 00-0361	EA	Satin Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM) .....	128.37		10.49
08 71 11 00-0362	EA	Dark Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM) .....	128.37		10.49
08 71 11 00-0363	EA	Bright Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM) .....	128.37		10.49
08 71 11 00-0364		500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0355)			
08 71 11 00-0365	EA	Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM) .....	143.88		13.11
08 71 11 00-0366	EA	Satin Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM) .....	148.61		13.11
08 71 11 00-0367	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM) .....	148.61		13.11
08 71 11 00-0368	EA	Satin Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM) .....	148.61		13.11
08 71 11 00-0369	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM) .....	148.61		13.11
08 71 11 00-0370	EA	Dark Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM) .....	148.61		13.11
08 71 11 00-0371	EA	Bright Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM) .....	148.61		13.11
08 71 11 00-0372	EA	Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM) .....	143.88		13.11
08 71 11 00-0373	EA	Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM) .....	148.61		13.11
08 71 11 00-0374	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM) .....	148.61		13.11
08 71 11 00-0375	EA	Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM) .....	148.61		13.11
08 71 11 00-0376	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM) .....	148.61		13.11
08 71 11 00-0377	EA	Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM) .....	148.61		13.11
08 71 11 00-0378	EA	Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM) .....	148.61		13.11
08 71 11 00-0379		600 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0355)			
08 71 11 00-0380	EA	Painted Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM) .....	286.03		13.11
08 71 11 00-0381	EA	Satin Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM) .....	301.03		13.11
08 71 11 00-0382	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM) .....	316.83		13.11
08 71 11 00-0383	EA	Satin Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM) .....	316.83		13.11
08 71 11 00-0384	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM) .....	316.83		13.11
08 71 11 00-0385	EA	Dark Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM) .....	316.83		13.11
08 71 11 00-0386	EA	Bright Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM) .....	316.83		13.11
08 71 11 00-0387		1,000 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0355)			
08 71 11 00-0388	EA	Painted Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM) .....	524.25		15.74
08 71 11 00-0389	EA	Satin Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM) .....	539.25		15.74
08 71 11 00-0390	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM) .....	559.79		15.74
08 71 11 00-0391	EA	Satin Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM) .....	559.79		15.74
08 71 11 00-0392	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM) .....	559.79		15.74
08 71 11 00-0393	EA	Dark Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM) .....	559.79		15.74
08 71 11 00-0394	EA	Bright Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM) .....	559.79		15.74



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 71 11 00-0395</b>			<b>Continuous Barrel-Type Hinge</b> (08 71 11 00-0001)		
08 71 11 00-0396	LF		1-1/2" Wide, Steel, Continuous Barrel-Type Hinge .....	23.90	4.19
			For Stainless Steel, Add	3.92	
			For Brass Or Nickel, Add	4.27	
			For Aluminum, Add	1.40	
			For Medium Gauge, Deduct	-1.42	
08 71 11 00-0397	LF		2" Wide, Steel, Continuous Barrel-Type Hinge .....	24.38	4.19
			For Stainless Steel, Add	4.18	
			For Brass Or Nickel, Add	4.56	
			For Aluminum, Add	1.49	
			For Medium Gauge, Deduct	-1.52	
08 71 11 00-0398	LF		2-1/2" Wide, Steel, Continuous Barrel-Type Hinge .....	25.33	4.19
			For Stainless Steel, Add	4.70	
			For Brass Or Nickel, Add	5.13	
			For Aluminum, Add	1.68	
			For Medium Gauge, Deduct	-1.71	
08 71 11 00-0399	LF		3" Wide, Steel, Continuous Barrel-Type Hinge .....	26.40	4.19
			For Stainless Steel, Add	5.29	
			For Brass Or Nickel, Add	5.77	
			For Aluminum, Add	1.89	
			For Medium Gauge, Deduct	-1.92	
<b>08 71 11 00-0400</b>			<b>Continuous Geared Hinges</b> (08 71 11 00-0001)		
08 71 11 00-0401	LF		Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053) .....	46.27	4.19
			For Bronze Finish, Add	11.06	
			For Heavy Duty, Add	7.88	
08 71 11 00-0402	LF		Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057) .....	49.72	4.19
			For Bronze Finish, Add	12.35	
			For Heavy Duty, Add	8.80	
08 71 11 00-0403	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112) .....	32.45	4.19
			For Bronze Finish, Add	5.88	
08 71 11 00-0404	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy Duty (Roton 780-112HD) .....	37.45	4.19
			For Bronze Finish, Add	7.75	
<b>08 71 11 00-0405</b>			<b>Mortised, Primed Steel, Double Acting Spring Hinges</b> (08 71 11 00-0001)		
08 71 11 00-0406	PR		2", Mortised, Primed Steel, Double Acting Spring Hinge .....	108.53	7.34
			For Satin Brass, Add	17.24	
08 71 11 00-0407	PR		3", Mortised, Primed Steel, Double Acting Spring Hinge .....	119.05	9.44
			For Satin Brass, Add	17.25	
08 71 11 00-0408	PR		4", Mortised, Primed Steel, Double Acting Spring Hinge .....	133.45	11.53
			For Satin Brass, Add	18.19	
08 71 11 00-0409	PR		5", Mortised, Primed Steel, Double Acting Spring Hinge .....	173.00	13.63
			For Satin Brass, Add	25.16	
08 71 11 00-0410	PR		6", Mortised, Primed Steel, Double Acting Spring Hinge .....	194.12	15.74
			For Satin Brass, Add	27.71	
08 71 11 00-0411	PR		7", Mortised, Primed Steel, Double Acting Spring Hinge .....	232.16	17.83
			For Satin Brass, Add	34.33	
08 71 11 00-0412	PR		8", Mortised, Primed Steel, Double Acting Spring Hinge .....	309.99	49.82
			For Satin Brass, Add	50.49	
<b>08 71 11 00-0413</b>			<b>Security Hinges</b> (08 71 11 00-0001)		
08 71 11 00-0414	EA		4-1/2" x 4-1/2", Non Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge .....	38.72	7.34
<b>08 71 11 00-0415</b>			<b>Concealed Circuit Electric Hinge Option</b> (08 71 11 00-0001)		
			Note: Excludes the hinge. These tasks are used in conjunction with other hinges in the Construction Task Catalog® to electrify the hinge.		
08 71 11 00-0416	EA		4 Wire Concealed Circuit Electric Hinge Option .....	211.34	
08 71 11 00-0417	EA		6 Wire Concealed Circuit Electric Hinge Option .....	249.52	
08 71 11 00-0418	EA		8 Wire Concealed Circuit Electric Hinge Option .....	287.70	
<b>08 71 11 00-0419</b>			<b>Hinge Filler Plates For Door Frames</b> (08 71 11 00-0001)		
08 71 11 00-0420	PR		Hinge Filler Plates For Door Frames .....	17.41	5.24
<b>08 71 11 00-0421</b>			<b>Door Trim</b> (08 71 11)		
<b>08 71 11 00-0422</b>			<b>Floor Stops, Wall Stops And Bumpers</b> (08 71 11 00-0421)		
<b>08 71 11 00-0423</b>			<b>Floor Stops</b> (08 71 11 00-0422)		
<b>08 71 11 00-0424</b>			<b>Aluminum Floor Stops</b> (08 71 11 00-0423)		
08 71 11 00-0425	EA		1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430) .....	28.22	13.11
08 71 11 00-0426	EA		1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436) .....	30.21	13.11
08 71 11 00-0427	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438) .....	30.97	13.11
08 71 11 00-0428	EA		2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441) .....	42.55	13.11
08 71 11 00-0429	EA		3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448) .....	43.93	13.11
<b>08 71 11 00-0430</b>			<b>Brass Floor Stops</b> (08 71 11 00-0423)		
08 71 11 00-0431	EA		1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436) .....	30.49	13.11

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 71 11 00-0432	EA	1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436).....	31.25	13.11
08 71 11 00-0433	EA	1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436).....	31.25	13.11
08 71 11 00-0434	EA	1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436).....	31.55	13.11
08 71 11 00-0435	EA	1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436).....	31.94	13.11
08 71 11 00-0436	EA	1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436).....	31.94	13.11
08 71 11 00-0437	EA	1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436).....	31.94	13.11
08 71 11 00-0438	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438).....	30.97	13.11
08 71 11 00-0439	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438).....	32.12	13.11
08 71 11 00-0440	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438).....	32.12	13.11
08 71 11 00-0441	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438).....	32.57	13.11
08 71 11 00-0442	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438).....	32.96	13.11
08 71 11 00-0443	EA	1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438).....	32.96	13.11
08 71 11 00-0444	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438).....	34.78	13.11
08 71 11 00-0445	EA	1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13).....	32.20	13.11
08 71 11 00-0446	EA	1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13).....	32.20	13.11
08 71 11 00-0447	EA	1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13).....	33.46	13.11
08 71 11 00-0448	EA	1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13).....	33.46	13.11
08 71 11 00-0449	EA	1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13).....	33.46	13.11
08 71 11 00-0450	EA	1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13).....	33.46	13.11
08 71 11 00-0451	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17).....	33.07	13.11
08 71 11 00-0452	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17).....	33.07	13.11
08 71 11 00-0453	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17).....	34.30	13.11
08 71 11 00-0454	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17).....	34.30	13.11
08 71 11 00-0455	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17).....	34.30	13.11
08 71 11 00-0456	EA	1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17).....	34.30	13.11
08 71 11 00-0457	EA	2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441).....	43.67	13.11
08 71 11 00-0458	EA	2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441).....	44.21	13.11
08 71 11 00-0459	EA	2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441).....	45.54	13.11
08 71 11 00-0460	EA	2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441).....	46.61	13.11
08 71 11 00-0461	EA	2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441).....	46.61	13.11
08 71 11 00-0462	EA	2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441).....	50.98	13.11
08 71 11 00-0463	EA	2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441).....	50.98	13.11
08 71 11 00-0464	EA	3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448).....	49.36	13.11
08 71 11 00-0465	EA	3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448).....	50.14	13.11
08 71 11 00-0466	EA	3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448).....	50.14	13.11
08 71 11 00-0467	EA	3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448).....	50.14	13.11
08 71 11 00-0468	EA	3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448).....	50.14	13.11
08 71 11 00-0469	EA	3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448).....	56.13	13.11
08 71 11 00-0470	EA	3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448).....	56.13	13.11
08 71 11 00-0471	EA	1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430).....	37.15	13.11
08 71 11 00-0472	EA	1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430).....	38.15	13.11
08 71 11 00-0473	EA	1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430).....	40.40	13.11
08 71 11 00-0474	EA	1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430).....	40.40	13.11
08 71 11 00-0475	EA	1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430).....	40.40	13.11
08 71 11 00-0476	EA	1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430).....	41.07	13.11
08 71 11 00-0477	EA	2-1/4" Overall Height, Polished Or Satin Finish, Brass Floor Stop (Rockwood 481H).....	51.71	13.11

**08 71 11 00-0478 Steel Floor Stops (08 71 11 00-0423)**

08 71 11 00-0479	EA	2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434).....	33.26	13.11
08 71 11 00-0480	EA	1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S).....	70.33	13.11
Note: Includes drilling. Excludes Grout.				
08 71 11 00-0481	EA	3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L).....	73.48	13.11
Note: Includes drilling. Excludes Grout.				

**08 71 11 00-0482 Wall Stops (08 71 11 00-0422)****08 71 11 00-0483 Aluminum Wall Stops (08 71 11 00-0482)**

08 71 11 00-0484	EA	3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60).....	13.24	5.24
08 71 11 00-0485	EA	3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65).....	19.47	7.87

**08 71 11 00-0486 Brass Wall Stops (08 71 11 00-0482)**

08 71 11 00-0487	EA	3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60).....	20.03	5.24
08 71 11 00-0488	EA	3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60).....	20.03	5.24
08 71 11 00-0489	EA	3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60).....	20.03	5.24
08 71 11 00-0490	EA	3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60).....	22.99	5.24
08 71 11 00-0491	EA	3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60).....	23.27	5.24
08 71 11 00-0492	EA	3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60).....	23.27	5.24
08 71 11 00-0493	EA	3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60).....	23.27	5.24
08 71 11 00-0494	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11).....	51.00	7.87
08 71 11 00-0495	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11).....	52.04	7.87
08 71 11 00-0496	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11).....	52.04	7.87
08 71 11 00-0497	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11).....	52.04	7.87
08 71 11 00-0498	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11).....	52.04	7.87
08 71 11 00-0499	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11).....	52.04	7.87
08 71 11 00-0500	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447).....	43.66	7.87
08 71 11 00-0501	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447).....	49.29	7.87
08 71 11 00-0502	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447).....	49.29	7.87
08 71 11 00-0503	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447).....	49.29	7.87
08 71 11 00-0504	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447).....	49.29	7.87
08 71 11 00-0505	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447).....	50.63	7.87
08 71 11 00-0506	EA	3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447).....	50.63	7.87
08 71 11 00-0507	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33).....	78.45	7.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 71 11 00-0508</b>		<b>Steel Wall Stops</b> <small>(08 71 11 00-0482)</small>			
08 71 11 00-0509	EA	3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63)	11.07		5.24
<b>08 71 11 00-0510</b>		<b>Hinge Pin Door Stops</b> <small>(08 71 11 00-0422)</small>			
<b>08 71 11 00-0511</b>		<b>Aluminum Hinge Pin Door Stops</b> <small>(08 71 11 00-0510)</small>			
08 71 11 00-0512	EA	Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70)	22.68		10.49
<b>08 71 11 00-0513</b>		<b>Brass Hinge Pin Door Stops</b> <small>(08 71 11 00-0510)</small>			
08 71 11 00-0514	EA	Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72)	23.01		10.49
08 71 11 00-0515	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73)	25.06		10.49
08 71 11 00-0516	EA	Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	30.01		10.49
08 71 11 00-0517	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	30.01		10.49
08 71 11 00-0518	EA	Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	30.01		10.49
08 71 11 00-0519	EA	Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	32.33		10.49
08 71 11 00-0520	EA	Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	32.33		10.49
08 71 11 00-0521	EA	Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	32.33		10.49
08 71 11 00-0522	EA	Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70)	32.33		10.49
<b>08 71 11 00-0523</b>		<b>Wall Bumpers</b> <small>(08 71 11 00-0422)</small>			
<b>08 71 11 00-0524</b>		<b>Brass Wall Bumpers</b> <small>(08 71 11 00-0523)</small>			
08 71 11 00-0525	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	29.45		13.11
08 71 11 00-0526	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	29.45		13.11
08 71 11 00-0527	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	29.45		13.11
08 71 11 00-0528	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	29.73		13.11
08 71 11 00-0529	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	29.73		13.11
08 71 11 00-0530	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	29.73		13.11
08 71 11 00-0531	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407)	29.73		13.11
08 71 11 00-0532	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	39.25		13.11
08 71 11 00-0533	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	41.83		13.11
08 71 11 00-0534	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	41.83		13.11
08 71 11 00-0535	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	41.83		13.11
08 71 11 00-0536	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	41.83		13.11
08 71 11 00-0537	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	41.83		13.11
08 71 11 00-0538	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402)	42.41		13.11
<b>08 71 11 00-0539</b>		<b>Rubber Wall Bumpers</b> <small>(08 71 11 00-0523)</small>			
08 71 11 00-0540	EA	1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W)	28.42		13.11
<b>08 71 11 00-0541</b>		<b>Cast Wall Bumpers</b> <small>(08 71 11 00-0523)</small>			
08 71 11 00-0542	EA	2-1/8" Base Diameter, Concave, Prison Version, Satin Chrome Finish, Cast, Wall Bumper (Trimco 1270CVPV) <i>For Owner Furnished Material, Deduct</i>	45.80 -19.59		13.63
08 71 11 00-0543	EA	2-1/8" Base Diameter, Concave, Satin Chrome Finish, Cast, Wall Bumper (Trimco 1270CV) <i>For Owner Furnished Material, Deduct</i>	38.15 -11.94		13.63
08 71 11 00-0544	EA	2-1/8" Base Diameter, Convex, Satin Chrome Finish, Cast Décor, Wall Bumper (Trimco 1278CX) <i>For Owner Furnished Material, Deduct</i>	41.07 -14.86		13.63
<b>08 71 11 00-0545</b>		<b>Holders</b> <small>(08 71 11 00-0421)</small>			
<b>08 71 11 00-0546</b>		<b>Plunger Type Door Holders</b> <small>(08 71 11 00-0545)</small>			
<b>08 71 11 00-0547</b>		<b>Aluminum Plunger Type Door Holders</b> <small>(08 71 11 00-0546)</small>			
08 71 11 00-0548	EA	Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153)	53.57		7.87
<b>08 71 11 00-0549</b>		<b>Brass Plunger Type Door Holders</b> <small>(08 71 11 00-0546)</small>			
08 71 11 00-0550	EA	Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	83.98		7.87
08 71 11 00-0551	EA	Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	83.98		7.87
08 71 11 00-0552	EA	Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	83.98		7.87
08 71 11 00-0553	EA	Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	83.98		7.87
08 71 11 00-0554	EA	Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	83.98		7.87
08 71 11 00-0555	EA	Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	83.98		7.87
08 71 11 00-0556	EA	Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154)	83.98		7.87

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 71 11 00-0557		Kick Down Door Holders (08 71 11 00-0545)			
08 71 11 00-0558		Aluminum Kick Down Door Holders (08 71 11 00-0557)			
08 71 11 00-0559	EA	Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455).....	21.92		7.87
08 71 11 00-0560		Brass Kick Down Door Holders (08 71 11 00-0557)			
08 71 11 00-0561	EA	Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455).....	40.82		7.87
08 71 11 00-0562	EA	Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455).....	40.82		7.87
08 71 11 00-0563	EA	Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455).....	40.82		7.87
08 71 11 00-0564	EA	Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	45.76		7.87
08 71 11 00-0565	EA	Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	45.76		7.87
08 71 11 00-0566	EA	Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455).....	45.76		7.87
08 71 11 00-0567	EA	Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455).....	47.00		7.87
08 71 11 00-0568		Steel Kick Down Door Holders (08 71 11 00-0557)			
08 71 11 00-0569	EA	Steel Kick Down Door Holder (Ives FS544).....	25.73		7.87
08 71 11 00-0570		Floor Mounted Door Holders (08 71 11 00-0545)			
08 71 11 00-0571		Brass Floor Mounted Door Holders (08 71 11 00-0570)			
08 71 11 00-0572	EA	Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	80.15		15.74
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78		
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53		
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80		
08 71 11 00-0573	EA	Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	80.15		15.74
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78		
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53		
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80		
08 71 11 00-0574	EA	Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	96.54		15.74
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78		
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53		
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80		
08 71 11 00-0575	EA	Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	96.54		15.74
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78		
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53		
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80		
08 71 11 00-0576	EA	Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	96.54		15.74
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78		
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53		
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80		
08 71 11 00-0577	EA	Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	96.54		15.74
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78		
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53		
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80		
08 71 11 00-0578	EA	Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491).....	77.38		15.74
		Note: Includes FH MS / plastic anchors.			
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78		
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53		
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80		
08 71 11 00-0579	EA	Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491R).....	79.76		15.74
		Note: Includes FH MS / lead anchors.			
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78		
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53		
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80		
08 71 11 00-0580	EA	Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491S).....	83.71		15.74
		Note: Includes FH MS / lead anchors and bolts.			
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78		
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53		
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80		
08 71 11 00-0581		Wall Mounted Door Holders (08 71 11 00-0545)			
08 71 11 00-0582		Aluminum Wall Mounted Door Holders (08 71 11 00-0581)			
08 71 11 00-0583	EA	4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20).....	67.62		9.18
08 71 11 00-0584	EA	Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40).....	100.85		15.74
08 71 11 00-0585		Brass Wall Mounted Door Holders (08 71 11 00-0581)			
08 71 11 00-0586	EA	3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	62.65		9.18
08 71 11 00-0587	EA	3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	71.54		9.18
08 71 11 00-0588	EA	3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	71.54		9.18

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0589	EA 3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	71.54	9.18
08 71 11 00-0590	EA 3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	71.54	9.18
08 71 11 00-0591	EA 3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	71.54	9.18
08 71 11 00-0592	EA 3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	73.62	9.18
08 71 11 00-0593	EA 4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	70.09	9.18
08 71 11 00-0594	EA 4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	82.21	9.18
08 71 11 00-0595	EA 4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	82.21	9.18
08 71 11 00-0596	EA 4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	82.21	9.18
08 71 11 00-0597	EA 4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	82.21	9.18
08 71 11 00-0598	EA 4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	82.21	9.18
08 71 11 00-0599	EA Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	112.94	15.74
08 71 11 00-0600	EA Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	118.38	15.74
08 71 11 00-0601	EA Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40).....	118.38	15.74
08 71 11 00-0602	EA Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40).....	118.38	15.74
08 71 11 00-0603	EA Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	118.38	15.74
08 71 11 00-0604	EA Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	118.38	15.74
08 71 11 00-0605	EA 3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494).....	66.99	9.18
08 71 11 00-0606	EA 3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494R).....	69.37	9.18
	Note: Includes FH MS / lead anchors.		
08 71 11 00-0607	EA 3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494S).....	73.33	9.18
	Note: Includes FH MS / lead anchors and bolts.		

**08 71 11 00-0608 Overhead Door Holders (08 71 11 00-0545)**

**08 71 11 00-0609 Surface Mounted, Overhead Door Holders (08 71 11 00-0608)**

08 71 11 00-0610	EA Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	353.22	26.21
	<i>For Hold Open, Add</i>	<i>35.84</i>	
08 71 11 00-0611	EA Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	398.97	26.21
	<i>For Hold Open, Add</i>	<i>42.44</i>	
08 71 11 00-0612	EA Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	398.97	26.21
	<i>For Hold Open, Add</i>	<i>42.44</i>	
08 71 11 00-0613	EA Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	398.97	26.21
	<i>For Hold Open, Add</i>	<i>42.44</i>	
08 71 11 00-0614	EA Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	397.42	26.21
	<i>For Hold Open, Add</i>	<i>42.21</i>	

**08 71 11 00-0615 Heavy Duty, Surface Mounted, Overhead Door Holders (08 71 11 00-0608)**

	Note: With or without hold open feature.		
08 71 11 00-0616	EA Heavy Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	284.13	26.21
08 71 11 00-0617	EA Heavy Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	393.37	26.21
08 71 11 00-0618	EA Heavy Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	440.99	26.21
08 71 11 00-0619	EA Heavy Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	440.99	26.21
08 71 11 00-0620	EA Heavy Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	440.99	26.21

**08 71 11 00-0621 Concealed Mounted, Overhead Door Holders (08 71 11 00-0608)**

	Note: With or without hold open feature.		
08 71 11 00-0622	EA Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	381.86	26.21
08 71 11 00-0623	EA Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	381.86	26.21
08 71 11 00-0624	EA Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	400.53	26.21
08 71 11 00-0625	EA Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	416.40	26.21
08 71 11 00-0626	EA Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	416.40	26.21

**08 71 11 00-0627 Silencers (08 71 11 00-0421)**

08 71 11 00-0628	EA Replacement Of Rubber Door Silencers.....	1.51	
	Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.		
08 71 11 00-0629	EA Replacement Of Door Silencers for Metal Frames (Trimco 1229A).....	1.51	
	<i>For Owner Furnished Material, Deduct</i>	<i>-0.20</i>	
08 71 11 00-0630	EA Replacement Of Door Silencers for Wood Frames (Trimco 1229B).....	1.51	
	<i>For Owner Furnished Material, Deduct</i>	<i>-0.20</i>	

**08 71 11 00-0631 Bolts (08 71 11 00-0421)**

**08 71 11 00-0632 Brass Surface Bolts (08 71 11 00-0631)**

08 71 11 00-0633	EA 8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640).....	112.48	13.11
08 71 11 00-0634	EA 8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640).....	119.67	13.11
08 71 11 00-0635	EA 8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640).....	119.67	13.11

**08 71 11 00-0636 Steel Surface Bolts (08 71 11 00-0631)**

08 71 11 00-0637	EA 8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	56.77	13.11
08 71 11 00-0638	EA 8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	56.77	13.11
08 71 11 00-0639	EA 8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	56.77	13.11
08 71 11 00-0640	EA 8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	63.06	13.11
08 71 11 00-0641	EA 8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	63.96	13.11
08 71 11 00-0642	EA 8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	65.75	13.11
08 71 11 00-0643	EA 12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	64.85	13.11
08 71 11 00-0644	EA 12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	67.56	13.11
08 71 11 00-0645	EA 12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	71.15	13.11

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-0646	EA	12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	73.84		13.11
08 71 11 00-0647	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360).....	109.79		13.11
<b>08 71 11 00-0648</b>		<b>Door Viewer</b> (08 71 11 00-0421)			
<b>08 71 11 00-0649</b>		<b>Brass Door Viewer</b> (08 71 11 00-0648)			
08 71 11 00-0650	EA	120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700).....	34.78		13.11
08 71 11 00-0651	EA	120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700).....	34.78		13.11
08 71 11 00-0652	EA	120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700).....	34.78		13.11
08 71 11 00-0653	EA	150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696).....	38.80		13.11
08 71 11 00-0654	EA	150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696).....	38.80		13.11
08 71 11 00-0655	EA	150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696).....	38.80		13.11
08 71 11 00-0656	EA	190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	43.75		13.11
08 71 11 00-0657	EA	190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	43.75		13.11
<b>08 71 11 00-0658</b>		<b>Door Knockers</b> (08 71 11 00-0421)			
<b>08 71 11 00-0659</b>		<b>Brass Door Knockers</b> (08 71 11 00-0658)			
08 71 11 00-0660	EA	5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125).....	47.17		13.11
08 71 11 00-0661	EA	5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125).....	50.98		13.11
08 71 11 00-0662	EA	5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125).....	50.98		13.11
08 71 11 00-0663	EA	5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125).....	50.98		13.11
08 71 11 00-0664	EA	8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107).....	65.45		13.11
08 71 11 00-0665	EA	8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107).....	74.65		13.11
<b>08 71 11 00-0666</b>		<b>Hasps</b> (08 71 11 00-0421)			
08 71 11 00-0667	EA	3-1/4", Zinc Plated Finish, Steel Hasp Assembly.....	24.99		9.89
08 71 11 00-0668	EA	4-1/2", Zinc Plated Finish, Steel Hasp Assembly.....	26.59		10.49
08 71 11 00-0669	EA	6", Zinc Plated Finish, Steel Hasp Assembly.....	32.71		11.80
08 71 11 00-0670	EA	6", Zinc Plated Finish, Steel High Security Hasp Assembly.....	107.37		14.15
<b>08 71 11 00-0671</b>		<b>Flush Bolts</b> (08 71 11 00-0421)			
<b>08 71 11 00-0672</b>		<b>Flush Bolts For Metal Doors</b> (08 71 11 00-0671)			
<b>08 71 11 00-0673</b>		<b>Brass Flush Bolts For Metal Doors</b> (08 71 11 00-0672)			
<b>08 71 11 00-0674</b>		<b>Manual, Brass Flush Bolts For Metal Doors</b> (08 71 11 00-0673)			
		Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.			
08 71 11 00-0675	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458).....	45.99		13.11
<b>08 71 11 00-0676</b>		<b>Automatic, Brass Flush Bolts For Metal Doors</b> (08 71 11 00-0673)			
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.			
08 71 11 00-0677	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T).....	97.92		13.11
08 71 11 00-0678	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B).....	97.92		13.11
08 71 11 00-0679	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P).....	177.83		20.97
08 71 11 00-0680	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32).....	172.58		18.35
08 71 11 00-0681	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33).....	179.71		19.66
<b>08 71 11 00-0682</b>		<b>Constant Latching, Brass Flush Bolts For Metal Doors</b> (08 71 11 00-0673)			
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.			
08 71 11 00-0683	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T).....	97.12		13.11
08 71 11 00-0684	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P).....	177.83		20.97
08 71 11 00-0685	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52).....	172.58		18.35
08 71 11 00-0686	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53).....	179.71		19.66
<b>08 71 11 00-0687</b>		<b>Stainless Steel Flush Bolts For Metal Doors</b> (08 71 11 00-0672)			
<b>08 71 11 00-0688</b>		<b>Automatic, Stainless Steel Flush Bolts For Metal Doors</b> (08 71 11 00-0687)			
		Note: Includes stainless steel construction with bright or satin finish.			
08 71 11 00-0689	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T).....	97.92		13.11
08 71 11 00-0690	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B).....	97.92		13.11
08 71 11 00-0691	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P).....	177.83		20.97
08 71 11 00-0692	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32).....	172.58		18.35
08 71 11 00-0693	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33).....	179.71		19.66
<b>08 71 11 00-0694</b>		<b>Constant Latching, Stainless Steel Flush Bolts For Metal Doors</b> (08 71 11 00-0687)			
		Note: Includes stainless steel construction with bright or satin finish.			
08 71 11 00-0695	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T).....	97.12		13.11
08 71 11 00-0696	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P).....	177.83		20.97
08 71 11 00-0697	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52).....	172.58		18.35
08 71 11 00-0698	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53).....	179.71		19.66
<b>08 71 11 00-0699</b>		<b>Flush Bolts For Wood Doors</b> (08 71 11 00-0671)			

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0700	Brass Flush Bolts For Wood Doors <small>(08 71 11 00-0699)</small>		
08 71 11 00-0701	Manual, Brass Flush Bolts For Wood Doors <small>(08 71 11 00-0700)</small> Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0702	EA Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358).....	52.71	13.11
08 71 11 00-0703	Automatic, Brass Flush Bolts For Wood Doors <small>(08 71 11 00-0700)</small> Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0704	EA Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T).....	101.42	13.11
08 71 11 00-0705	EA Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B).....	101.42	13.11
08 71 11 00-0706	EA Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P).....	185.38	20.97
08 71 11 00-0707	EA Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42).....	180.13	18.35
08 71 11 00-0708	Constant Latching, Brass Flush Bolts For Wood Doors <small>(08 71 11 00-0700)</small> Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0709	EA Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T).....	100.72	13.11
08 71 11 00-0710	EA Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P).....	185.38	20.97
08 71 11 00-0711	EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62).....	180.13	18.35
08 71 11 00-0712	Stainless Steel Flush Bolts For Wood Doors <small>(08 71 11 00-0699)</small>		
08 71 11 00-0713	Automatic, Stainless Steel Flush Bolts For Wood Doors <small>(08 71 11 00-0712)</small> Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0714	EA Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T).....	101.42	13.11
08 71 11 00-0715	EA Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B).....	101.42	13.11
08 71 11 00-0716	EA Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P).....	185.38	20.97
08 71 11 00-0717	EA Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42).....	180.13	18.35
08 71 11 00-0718	Constant Latching, Stainless Steel Flush Bolts For Wood Doors <small>(08 71 11 00-0712)</small> Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0719	EA Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T).....	100.72	13.11
08 71 11 00-0720	EA Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P).....	185.38	20.97
08 71 11 00-0721	EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62).....	180.13	18.35
08 71 11 00-0722	Dust Proof Strikes <small>(08 71 11 00-0671)</small>		
08 71 11 00-0723	EA Satin Brass Finish, Brass Dust Proof Strike (Ives DP1).....	40.20	10.49
08 71 11 00-0724	EA Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1).....	40.20	10.49
08 71 11 00-0725	EA Bright Brass Finish, Brass Dust Proof Strike (Ives DP1).....	40.20	10.49
08 71 11 00-0726	EA Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	40.20	10.49
08 71 11 00-0727	EA Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	40.20	10.49
08 71 11 00-0728	EA Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	45.23	10.49
08 71 11 00-0729	EA Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	45.23	10.49
08 71 11 00-0730	EA Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	45.23	10.49
08 71 11 00-0731	EA Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	45.23	10.49
08 71 11 00-0732	EA Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	45.23	10.49
08 71 11 00-0733	Roller Bumpers <small>(08 71 11 00-0421)</small>		
08 71 11 00-0734	Brass Roller Bumpers <small>(08 71 11 00-0733)</small>		
08 71 11 00-0735	EA 5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	39.86	7.87
08 71 11 00-0736	EA 5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	45.87	7.87
08 71 11 00-0737	EA 5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	45.87	7.87
08 71 11 00-0738	EA 4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	38.51	7.87
08 71 11 00-0739	EA 4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	43.08	7.87
08 71 11 00-0740	EA 4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	43.08	7.87
08 71 11 00-0741	EA 4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	43.08	7.87
08 71 11 00-0742	EA 6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	39.95	7.87
08 71 11 00-0743	EA 6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	43.19	7.87
08 71 11 00-0744	EA 6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	44.71	7.87
08 71 11 00-0745	EA 6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	44.71	7.87
08 71 11 00-0746	EA 6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	44.71	7.87
08 71 11 00-0747	EA 6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	44.71	7.87
08 71 11 00-0748	EA 6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	44.71	7.87
08 71 11 00-0749	Other Door Trim <small>(08 71 11 00-0421)</small>		
08 71 11 00-0750	Coat And Hat Hooks <small>(08 71 11 00-0749)</small>		
08 71 11 00-0751	Aluminum Coat And Hat Hooks <small>(08 71 11 00-0750)</small>		
08 71 11 00-0752	EA 1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581).....	17.62	7.87
08 71 11 00-0753	EA 1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581).....	17.62	7.87
08 71 11 00-0754	EA 1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581).....	17.73	7.87
08 71 11 00-0755	EA 1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571).....	17.54	7.87
08 71 11 00-0756	EA 1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571).....	17.54	7.87
08 71 11 00-0757	EA 1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571).....	17.54	7.87
08 71 11 00-0758	EA 1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571).....	17.73	7.87
08 71 11 00-0759	EA 1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	18.29	7.87
08 71 11 00-0760	EA 1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	18.29	7.87

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-0761	EA	1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	18.29		7.87
08 71 11 00-0762	EA	1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	18.29		7.87
08 71 11 00-0763	EA	1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405)	18.29		7.87
<b>08 71 11 00-0764</b>		<b>Brass Coat And Hat Hooks</b> (08 71 11 00-0750)			
08 71 11 00-0765	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581)	20.67		7.87
08 71 11 00-0766	EA	1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581)	20.96		7.87
08 71 11 00-0767	EA	1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581)	21.43		7.87
08 71 11 00-0768	EA	1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581)	21.43		7.87
08 71 11 00-0769	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581)	21.73		7.87
08 71 11 00-0770	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571)	22.68		7.87
08 71 11 00-0771	EA	1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571)	24.01		7.87
08 71 11 00-0772	EA	1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571)	24.01		7.87
08 71 11 00-0773	EA	1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571)	24.01		7.87
08 71 11 00-0774	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571)	24.31		7.87
<b>08 71 11 00-0775</b>		<b>Cane Bolt</b> (08 71 11 00-0749)			
08 71 11 00-0776	EA	18" Cane Bolt With Padlock Eyes Welded To Bolt, Manual, Steel Bolt For Doors (Stanley 1009)	27.37		10.49
<b>08 71 11 00-0777</b>		<b>Ball Catches</b> (08 71 11 00-0749)			
08 71 11 00-0778	EA	Satin Brass Finish, Brass Adjustable Ball Catch (Ives 347)	29.67		10.49
		<i>For Owner Furnished Material, Deduct</i>	-8.70		
08 71 11 00-0779	EA	Bright Brass Finish, Brass Adjustable Ball Catch (Ives 347)	29.67		10.49
		<i>For Owner Furnished Material, Deduct</i>	-8.70		
08 71 11 00-0780	EA	Satin Nickel Finish, Brass Adjustable Ball Catch (Ives 347)	30.57		10.49
		<i>For Owner Furnished Material, Deduct</i>	-9.60		
08 71 11 00-0781	EA	Satin Chrome Finish, Brass Adjustable Ball Catch (Ives 347)	31.04		10.49
		<i>For Owner Furnished Material, Deduct</i>	-10.07		
08 71 11 00-0782	EA	Satin Bronze Finish, Brass Adjustable Ball Catch (Ives 347)	31.04		10.49
		<i>For Owner Furnished Material, Deduct</i>	-10.07		
08 71 11 00-0783	EA	Dark Bronze Finish, Brass Adjustable Ball Catch (Ives 347)	31.04		10.49
		<i>For Owner Furnished Material, Deduct</i>	-10.07		
<b>08 71 11 00-0784</b>		<b>Other Door Trim</b> (08 71 11 00-0749)			
08 71 11 00-0785	EA	Adapter Kit For Installation Of Cipher Locks On Metal Doors	70.73		13.11
		<i>For Owner Furnished Material, Deduct</i>	-44.52		
08 71 11 00-0786	EA	Push Or Pull Exit Paddle For Storefront Aluminum Door	115.67		26.21
		Note: Aluminum with dark bronze or satin aluminum finish.			
		<i>For Owner Furnished Material, Deduct</i>	-63.24		
08 71 11 00-0787	EA	Public Toilet Lock	53.34		17.51
		<i>For Owner Furnished Material, Deduct</i>	-27.13		
08 71 11 00-0788	EA	Slide Latch Handle Mechanism For Toilet Stall Partition Doors	49.15		10.49
		<i>For Owner Furnished Material, Deduct</i>	-28.18		
08 71 11 00-0789	EA	Brass Entry Lockset Door Repair Cover, US3	84.40		13.11
		<i>For Owner Furnished Material, Deduct</i>	-31.97		
08 71 11 00-0790	EA	Stainless Steel Entry Lockset Door Repair Cover, US32D	88.28		13.11
		<i>For Owner Furnished Material, Deduct</i>	-35.85		
08 71 11 00-0791	EA	Brass Entry Deadlock Door Repair Cover, US3	72.65		13.11
		<i>For Owner Furnished Material, Deduct</i>	-20.22		
08 71 11 00-0792	EA	Latch Protector	29.42		10.49
		<i>For Owner Furnished Material, Deduct</i>	-8.45		
<b>08 71 11 00-0793</b>		<b>Door Plates And Pulls</b> (08 71 11)			
<b>08 71 11 00-0794</b>		<b>Kick Plate</b> (08 71 11 00-0793)			
		Note: Ives 8400.			
<b>08 71 11 00-0795</b>		<b>Aluminum Base Material Kick Plate</b> (08 71 11 00-0794)			
<b>08 71 11 00-0796</b>		<b>Satin Aluminum Finish, Aluminum Kick Plate</b> (08 71 11 00-0795)			
08 71 11 00-0797	EA	8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	46.32		7.87
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0798	EA	8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	47.69		7.87
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0799	EA	8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	49.03		7.87
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0800	EA	8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	50.38		7.87
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0801	EA	8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	53.85		8.39
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0802	EA	8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	55.17		8.39
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-0803	EA	8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	56.54		8.39
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0804	EA		8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.88 1.76 11.40	8.39
08 71 11 00-0805	EA		8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.33 1.76 11.40	8.92
08 71 11 00-0806	EA		8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.68 1.76 11.40	8.92
08 71 11 00-0807	EA		8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.02 1.76 11.40	8.92
08 71 11 00-0808	EA		8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.50 1.76 11.40	9.44
08 71 11 00-0809	EA		8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.85 1.76 11.40	9.44
08 71 11 00-0810	EA		8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.19 1.76 11.40	9.44
08 71 11 00-0811	EA		10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.06 1.76 11.40	7.87
08 71 11 00-0812	EA		10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.75 1.76 11.40	7.87
08 71 11 00-0813	EA		10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.42 1.76 11.40	7.87
08 71 11 00-0814	EA		10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.11 1.76 11.40	7.87
08 71 11 00-0815	EA		10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.91 1.76 11.40	8.39
08 71 11 00-0816	EA		10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.59 1.76 11.40	8.39
08 71 11 00-0817	EA		10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.29 1.76 11.40	8.39
08 71 11 00-0818	EA		10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.97 1.76 11.40	8.39
08 71 11 00-0819	EA		10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.75 1.76 11.40	8.92
08 71 11 00-0820	EA		10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.43 1.76 11.40	8.92
08 71 11 00-0821	EA		10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.13 1.76 11.40	8.92
08 71 11 00-0822	EA		10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.94 1.76 11.40	9.44
08 71 11 00-0823	EA		10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.60 1.76 11.40	9.44
08 71 11 00-0824	EA		10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.30 1.76 11.40	9.44
08 71 11 00-0825	EA		12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.77 1.76 11.40	7.87
08 71 11 00-0826	EA		12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.78 1.76 11.40	7.87
08 71 11 00-0827	EA		12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.84 1.76 11.40	7.87
08 71 11 00-0828	EA		12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.83 1.76 11.40	7.87
08 71 11 00-0829	EA		12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.97 1.76 11.40	8.39
08 71 11 00-0830	EA		12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.99 1.76 11.40	8.39
08 71 11 00-0831	EA		12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.01 1.76 11.40	8.39
08 71 11 00-0832	EA		12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.05 1.76 11.40	8.39
08 71 11 00-0833	EA		12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.16 1.76 11.40	8.92

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0834	EA		12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	76.19	8.92
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0835	EA		12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	78.22	8.92
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0836	EA		12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	82.36	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0837	EA		12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	84.38	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0838	EA		12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	86.42	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0839	EA		14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	59.56	8.39
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0840	EA		14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	61.93	8.39
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0841	EA		14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	64.32	8.39
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0842	EA		14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	66.69	8.39
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0843	EA		14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	71.13	8.92
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0844	EA		14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	73.49	8.92
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0845	EA		14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	75.86	8.92
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0846	EA		14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	78.22	8.92
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0847	EA		14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	82.70	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0848	EA		14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	85.05	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0849	EA		14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	87.42	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0850	EA		14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	91.87	9.96
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0851	EA		14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	94.25	9.96
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0852	EA		14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	96.62	9.96
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0853	EA		16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	63.30	8.39
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0854	EA		16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	65.99	8.39
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0855	EA		16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	68.71	8.39
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0856	EA		16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	71.40	8.39
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0857	EA		16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	73.49	8.92
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0858	EA		16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	78.91	8.92
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0859	EA		16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	81.62	8.92
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0860	EA		16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	84.31	8.92
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0861	EA		16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	89.11	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0862	EA		16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	91.83	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0863	EA		16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	94.53	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0864	EA		16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.31 1.76 11.40	9.96
08 71 11 00-0865	EA		16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.02 1.76 11.40	9.96
08 71 11 00-0866	EA		16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.74 1.76 11.40	9.96
08 71 11 00-0867	EA		18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.15 6.30 11.40	8.39
08 71 11 00-0868	EA		18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.38 6.30 11.40	8.39
08 71 11 00-0869	EA		18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.62 6.30 11.40	8.39
08 71 11 00-0870	EA		18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.86 6.30 11.40	8.39
08 71 11 00-0871	EA		18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.17 6.30 11.40	8.92
08 71 11 00-0872	EA		18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.41 6.30 11.40	8.92
08 71 11 00-0873	EA		18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.64 6.30 11.40	8.92
08 71 11 00-0874	EA		18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.88 6.30 11.40	8.92
08 71 11 00-0875	EA		18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.23 6.30 11.40	9.44
08 71 11 00-0876	EA		18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.46 6.30 11.40	9.44
08 71 11 00-0877	EA		18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.70 6.30 11.40	9.44
08 71 11 00-0878	EA		18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.03 6.30 11.40	9.96
08 71 11 00-0879	EA		18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.26 6.30 11.40	9.96
08 71 11 00-0880	EA		18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.50 6.30 11.40	9.96
08 71 11 00-0881	EA		20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.19 6.30 11.40	8.92
08 71 11 00-0882	EA		20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.79 6.30 11.40	8.92
08 71 11 00-0883	EA		20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.38 6.30 11.40	8.92
08 71 11 00-0884	EA		20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.97 6.30 11.40	8.92
08 71 11 00-0885	EA		20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.68 6.30 11.40	9.44
08 71 11 00-0886	EA		20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.27 6.30 11.40	9.44
08 71 11 00-0887	EA		20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.87 6.30 11.40	9.44
08 71 11 00-0888	EA		20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.46 6.30 11.40	9.44
08 71 11 00-0889	EA		20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.15 6.30 11.40	9.96
08 71 11 00-0890	EA		20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.74 6.30 11.40	9.96
08 71 11 00-0891	EA		20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.34 6.30 11.40	9.96
08 71 11 00-0892	EA		20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.03 6.30 11.40	10.49
08 71 11 00-0893	EA		20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.63 6.30 11.40	10.49

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0894	EA		20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.22 6.30 11.40	10.49
08 71 11 00-0895	EA		22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.14 6.30 11.40	8.92
08 71 11 00-0896	EA		22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.10 6.30 11.40	8.92
08 71 11 00-0897	EA		22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.05 6.30 11.40	8.92
08 71 11 00-0898	EA		22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.00 6.30 11.40	8.92
08 71 11 00-0899	EA		22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.08 6.30 11.40	9.44
08 71 11 00-0900	EA		22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.03 6.30 11.40	9.44
08 71 11 00-0901	EA		22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.98 6.30 11.40	9.44
08 71 11 00-0902	EA		22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.94 6.30 11.40	9.44
08 71 11 00-0903	EA		22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.98 6.30 11.40	9.96
08 71 11 00-0904	EA		22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.93 6.30 11.40	9.96
08 71 11 00-0905	EA		22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.88 6.30 11.40	9.96
08 71 11 00-0906	EA		22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.94 6.30 11.40	10.49
08 71 11 00-0907	EA		22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.89 6.30 11.40	10.49
08 71 11 00-0908	EA		22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.84 6.30 11.40	10.49
08 71 11 00-0909	EA		24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.10 6.30 11.40	8.92
08 71 11 00-0910	EA		24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.41 6.30 11.40	8.92
08 71 11 00-0911	EA		24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.73 6.30 11.40	8.92
08 71 11 00-0912	EA		24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.04 6.30 11.40	8.92
08 71 11 00-0913	EA		24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.46 6.30 11.40	9.44
08 71 11 00-0914	EA		24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.77 6.30 11.40	9.44
08 71 11 00-0915	EA		24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.08 6.30 11.40	9.44
08 71 11 00-0916	EA		24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.41 6.30 11.40	9.44
08 71 11 00-0917	EA		24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.81 6.30 11.40	9.96
08 71 11 00-0918	EA		24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.12 6.30 11.40	9.96
08 71 11 00-0919	EA		24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.43 6.30 11.40	9.96
08 71 11 00-0920	EA		24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.84 6.30 11.40	10.49
08 71 11 00-0921	EA		24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.17 6.30 11.40	10.49
08 71 11 00-0922	EA		24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.48 6.30 11.40	10.49

08 71 11 00-0923 Brass Base Material Kick Plate (08 71 11 00-0794)

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 71 11 00-0924 Bright/Satin Brass Finish, Brass Kick Plate <small>(08 71 11 00-0923)</small></b>			
08 71 11 00-0925	EA 8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.65 1.76 11.40	7.87
08 71 11 00-0926	EA 8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.11 1.76 11.40	7.87
08 71 11 00-0927	EA 8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.60 1.76 11.40	7.87
08 71 11 00-0928	EA 8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.06 1.76 11.40	7.87
08 71 11 00-0929	EA 8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.63 1.76 11.40	8.39
08 71 11 00-0930	EA 8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.12 1.76 11.40	8.39
08 71 11 00-0931	EA 8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.59 1.76 11.40	8.39
08 71 11 00-0932	EA 8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.06 1.76 11.40	8.39
08 71 11 00-0933	EA 8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.61 1.76 11.40	8.92
08 71 11 00-0934	EA 8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.08 1.76 11.40	8.92
08 71 11 00-0935	EA 8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.55 1.76 11.40	8.92
08 71 11 00-0936	EA 8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.12 1.76 11.40	9.44
08 71 11 00-0937	EA 8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.62 1.76 11.40	9.44
08 71 11 00-0938	EA 8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.08 1.76 11.40	9.44
08 71 11 00-0939	EA 10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.96 1.76 11.40	7.87
08 71 11 00-0940	EA 10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.53 1.76 11.40	7.87
08 71 11 00-0941	EA 10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.13 1.76 11.40	7.87
08 71 11 00-0942	EA 10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.72 1.76 11.40	7.87
08 71 11 00-0943	EA 10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.39 1.76 11.40	8.39
08 71 11 00-0944	EA 10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.99 1.76 11.40	8.39
08 71 11 00-0945	EA 10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.59 1.76 11.40	8.39
08 71 11 00-0946	EA 10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.18 1.76 11.40	8.39
08 71 11 00-0947	EA 10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.84 1.76 11.40	8.92
08 71 11 00-0948	EA 10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.44 1.76 11.40	8.92
08 71 11 00-0949	EA 10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.04 1.76 11.40	8.92
08 71 11 00-0950	EA 10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.72 1.76 11.40	9.44
08 71 11 00-0951	EA 10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.32 1.76 11.40	9.44
08 71 11 00-0952	EA 10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.91 1.76 11.40	9.44
08 71 11 00-0953	EA 12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.22 1.76 11.40	7.87

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0954	EA		12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.96 1.76 11.40	7.87
08 71 11 00-0955	EA		12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.65 1.76 11.40	7.87
08 71 11 00-0956	EA		12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.36 1.76 11.40	7.87
08 71 11 00-0957	EA		12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.18 1.76 11.40	8.39
08 71 11 00-0958	EA		12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.88 1.76 11.40	8.39
08 71 11 00-0959	EA		12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.59 1.76 11.40	8.39
08 71 11 00-0960	EA		12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.28 1.76 11.40	8.39
08 71 11 00-0961	EA		12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.11 1.76 11.40	8.92
08 71 11 00-0962	EA		12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.80 1.76 11.40	8.92
08 71 11 00-0963	EA		12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.51 1.76 11.40	8.92
08 71 11 00-0964	EA		12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.32 1.76 11.40	9.44
08 71 11 00-0965	EA		12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.02 1.76 11.40	9.44
08 71 11 00-0966	EA		12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.75 1.76 11.40	9.44
08 71 11 00-0967	EA		14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.64 1.76 11.40	8.39
08 71 11 00-0968	EA		14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.46 1.76 11.40	8.39
08 71 11 00-0969	EA		14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.28 1.76 11.40	8.39
08 71 11 00-0970	EA		14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.12 1.76 11.40	8.39
08 71 11 00-0971	EA		14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.04 1.76 11.40	8.92
08 71 11 00-0972	EA		14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.87 1.76 11.40	8.92
08 71 11 00-0973	EA		14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.68 1.76 11.40	8.92
08 71 11 00-0974	EA		14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.51 1.76 11.40	8.92
08 71 11 00-0975	EA		14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.45 1.76 11.40	9.44
08 71 11 00-0976	EA		14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.27 1.76 11.40	9.44
08 71 11 00-0977	EA		14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.08 1.76 11.40	9.44
08 71 11 00-0978	EA		14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	212.00 1.76 11.40	9.96
08 71 11 00-0979	EA		14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	219.84 1.76 11.40	9.96
08 71 11 00-0980	EA		14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	227.67 1.76 11.40	9.96
08 71 11 00-0981	EA		16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.17 1.76 11.40	8.39
08 71 11 00-0982	EA		16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.98 1.76 11.40	8.39
08 71 11 00-0983	EA		16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.76 1.76 11.40	8.39

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0984	EA	16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	198.52	8.39
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0985	EA	16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	212.39	8.92
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0986	EA	16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	224.19	8.92
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0987	EA	16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	235.98	8.92
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0988	EA	16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	247.73	8.92
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0989	EA	16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	261.65	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0990	EA	16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	273.45	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0991	EA	16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	285.23	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0992	EA	16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	299.08	9.96
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0993	EA	16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	310.86	9.96
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0994	EA	16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	322.66	9.96
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0995	EA	18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	179.12	8.39
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0996	EA	18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	192.34	8.39
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0997	EA	18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	205.56	8.39
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0998	EA	18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	218.81	8.39
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0999	EA	18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	234.13	8.92
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1000	EA	18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	247.34	8.92
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1001	EA	18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	260.60	8.92
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1002	EA	18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	273.81	8.92
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1003	EA	18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	289.18	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1004	EA	18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	302.41	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1005	EA	18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	315.62	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1006	EA	18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	330.97	9.96
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1007	EA	18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	344.18	9.96
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1008	EA	18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	357.40	9.96
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1009	EA	20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	197.38	8.92
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1010	EA	20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	212.07	8.92
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1011	EA	20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	226.79	8.92
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1012	EA	20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	241.46	8.92
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1013	EA	20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	258.29	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1014	EA		20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	273.00 6.30 11.40	9.44
08 71 11 00-1015	EA		20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	287.69 6.30 11.40	9.44
08 71 11 00-1016	EA		20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	302.41 6.30 11.40	9.44
08 71 11 00-1017	EA		20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	319.17 6.30 11.40	9.96
08 71 11 00-1018	EA		20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	333.89 6.30 11.40	9.96
08 71 11 00-1019	EA		20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	348.60 6.30 11.40	9.96
08 71 11 00-1020	EA		20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	365.39 6.30 11.40	10.49
08 71 11 00-1021	EA		20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	380.11 6.30 11.40	10.49
08 71 11 00-1022	EA		20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	394.78 6.30 11.40	10.49
08 71 11 00-1023	EA		22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.56 6.30 11.40	8.92
08 71 11 00-1024	EA		22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	229.71 6.30 11.40	8.92
08 71 11 00-1025	EA		22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	245.88 6.30 11.40	8.92
08 71 11 00-1026	EA		22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	262.06 6.30 11.40	8.92
08 71 11 00-1027	EA		22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	280.34 6.30 11.40	9.44
08 71 11 00-1028	EA		22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	296.52 6.30 11.40	9.44
08 71 11 00-1029	EA		22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	312.69 6.30 11.40	9.44
08 71 11 00-1030	EA		22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	328.88 6.30 11.40	9.44
08 71 11 00-1031	EA		22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	347.12 6.30 11.40	9.96
08 71 11 00-1032	EA		22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	363.29 6.30 11.40	9.96
08 71 11 00-1033	EA		22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	379.47 6.30 11.40	9.96
08 71 11 00-1034	EA		22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	397.74 6.30 11.40	10.49
08 71 11 00-1035	EA		22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	413.92 6.30 11.40	10.49
08 71 11 00-1036	EA		22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	430.06 6.30 11.40	10.49
08 71 11 00-1037	EA		24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	229.71 6.30 11.40	8.92
08 71 11 00-1038	EA		24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	247.34 6.30 11.40	8.92
08 71 11 00-1039	EA		24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	265.00 6.30 11.40	8.92
08 71 11 00-1040	EA		24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	282.65 6.30 11.40	8.92
08 71 11 00-1041	EA		24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	302.41 6.30 11.40	9.44
08 71 11 00-1042	EA		24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	320.04 6.30 11.40	9.44
08 71 11 00-1043	EA		24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	337.68 6.30 11.40	9.44



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1044	EA		24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	356.29 6.30 11.40	9.44
08 71 11 00-1045	EA		24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	375.05 6.30 11.40	9.96
08 71 11 00-1046	EA		24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	392.68 6.30 11.40	9.96
08 71 11 00-1047	EA		24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	410.33 6.30 11.40	9.96
08 71 11 00-1048	EA		24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	430.06 6.30 11.40	10.49
08 71 11 00-1049	EA		24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	447.73 6.30 11.40	10.49
08 71 11 00-1050	EA		24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	465.36 6.30 11.40	10.49
<b>08 71 11 00-1051 Bright/Satin Chrome Finish, Brass Kick Plate</b> <small>(08 71 11 00-0923)</small>					
08 71 11 00-1052	EA		8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.71 1.76 11.40	7.87
08 71 11 00-1053	EA		8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.64 1.76 11.40	7.87
08 71 11 00-1054	EA		8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.57 1.76 11.40	7.87
08 71 11 00-1055	EA		8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.50 1.76 11.40	7.87
08 71 11 00-1056	EA		8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.54 1.76 11.40	8.39
08 71 11 00-1057	EA		8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.45 1.76 11.40	8.39
08 71 11 00-1058	EA		8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.39 1.76 11.40	8.39
08 71 11 00-1059	EA		8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.32 1.76 11.40	8.39
08 71 11 00-1060	EA		8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.34 1.76 11.40	8.92
08 71 11 00-1061	EA		8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.29 1.76 11.40	8.92
08 71 11 00-1062	EA		8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.22 1.76 11.40	8.92
08 71 11 00-1063	EA		8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.27 1.76 11.40	9.44
08 71 11 00-1064	EA		8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.20 1.76 11.40	9.44
08 71 11 00-1065	EA		8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.13 1.76 11.40	9.44
08 71 11 00-1066	EA		10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.27 1.76 11.40	7.87
08 71 11 00-1067	EA		10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.44 1.76 11.40	7.87
08 71 11 00-1068	EA		10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.60 1.76 11.40	7.87
08 71 11 00-1069	EA		10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.76 1.76 11.40	7.87
08 71 11 00-1070	EA		10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.04 1.76 11.40	8.39
08 71 11 00-1071	EA		10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.20 1.76 11.40	8.39
08 71 11 00-1072	EA		10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.36 1.76 11.40	8.39
08 71 11 00-1073	EA		10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.53 1.76 11.40	8.39

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1074	EA		10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.78 1.76 11.40	8.92
08 71 11 00-1075	EA		10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.94 1.76 11.40	8.92
08 71 11 00-1076	EA		10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.10 1.76 11.40	8.92
08 71 11 00-1077	EA		10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.37 1.76 11.40	9.44
08 71 11 00-1078	EA		10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.54 1.76 11.40	9.44
08 71 11 00-1079	EA		10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.70 1.76 11.40	9.44
08 71 11 00-1080	EA		12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.83 1.76 11.40	7.87
08 71 11 00-1081	EA		12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.22 1.76 11.40	7.87
08 71 11 00-1082	EA		12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.64 1.76 11.40	7.87
08 71 11 00-1083	EA		12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.03 1.76 11.40	7.87
08 71 11 00-1084	EA		12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.53 1.76 11.40	8.39
08 71 11 00-1085	EA		12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.93 1.76 11.40	8.39
08 71 11 00-1086	EA		12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.32 1.76 11.40	8.39
08 71 11 00-1087	EA		12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.72 1.76 11.40	8.39
08 71 11 00-1088	EA		12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.20 1.76 11.40	8.92
08 71 11 00-1089	EA		12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.59 1.76 11.40	8.92
08 71 11 00-1090	EA		12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.00 1.76 11.40	8.92
08 71 11 00-1091	EA		12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	200.50 1.76 11.40	9.44
08 71 11 00-1092	EA		12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	207.92 1.76 11.40	9.44
08 71 11 00-1093	EA		12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.31 1.76 11.40	9.44
08 71 11 00-1094	EA		14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.48 1.76 11.40	8.39
08 71 11 00-1095	EA		14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.13 1.76 11.40	8.39
08 71 11 00-1096	EA		14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.77 1.76 11.40	8.39
08 71 11 00-1097	EA		14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.39 1.76 11.40	8.39
08 71 11 00-1098	EA		14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.10 1.76 11.40	8.92
08 71 11 00-1099	EA		14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.74 1.76 11.40	8.92
08 71 11 00-1100	EA		14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	182.36 1.76 11.40	8.92
08 71 11 00-1101	EA		14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.00 1.76 11.40	8.92
08 71 11 00-1102	EA		14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	201.76 1.76 11.40	9.44
08 71 11 00-1103	EA		14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.38 1.76 11.40	9.44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1104	EA	14" x 42"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	219.00 1.76 11.40	9.44
08 71 11 00-1105	EA	14" x 44"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	214.16 1.76 11.40	9.96
08 71 11 00-1106	EA	14" x 46"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.35 1.76 11.40	9.96
08 71 11 00-1107	EA	14" x 48"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	246.98 1.76 11.40	9.96
08 71 11 00-1108	EA	16" x 22"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	178.22 1.76 11.40	8.39
08 71 11 00-1109	EA	16" x 24"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.38 1.76 11.40	8.39
08 71 11 00-1110	EA	16" x 26"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.53 1.76 11.40	8.39
08 71 11 00-1111	EA	16" x 28"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	217.68 1.76 11.40	8.39
08 71 11 00-1112	EA	16" x 30"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	232.92 1.76 11.40	8.92
08 71 11 00-1113	EA	16" x 32"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	246.07 1.76 11.40	8.92
08 71 11 00-1114	EA	16" x 34"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	259.23 1.76 11.40	8.92
08 71 11 00-1115	EA	16" x 36"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	272.38 1.76 11.40	8.92
08 71 11 00-1116	EA	16" x 38"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	287.64 1.76 11.40	9.44
08 71 11 00-1117	EA	16" x 40"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	300.79 1.76 11.40	9.44
08 71 11 00-1118	EA	16" x 42"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	313.94 1.76 11.40	9.44
08 71 11 00-1119	EA	16" x 44"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	329.18 1.76 11.40	9.96
08 71 11 00-1120	EA	16" x 46"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	342.32 1.76 11.40	9.96
08 71 11 00-1121	EA	16" x 48"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	355.47 1.76 11.40	9.96
08 71 11 00-1122	EA	18" x 22"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	195.83 6.30 11.40	8.39
08 71 11 00-1123	EA	18" x 24"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.60 6.30 11.40	8.39
08 71 11 00-1124	EA	18" x 26"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	225.33 6.30 11.40	8.39
08 71 11 00-1125	EA	18" x 28"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	240.10 6.30 11.40	8.39
08 71 11 00-1126	EA	18" x 30"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.93 6.30 11.40	8.92
08 71 11 00-1127	EA	18" x 32"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	271.68 6.30 11.40	8.92
08 71 11 00-1128	EA	18" x 34"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	286.43 6.30 11.40	8.92
08 71 11 00-1129	EA	18" x 36"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	301.18 6.30 11.40	8.92
08 71 11 00-1130	EA	18" x 38"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	318.03 6.30 11.40	9.44
08 71 11 00-1131	EA	18" x 40"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	332.80 6.30 11.40	9.44
08 71 11 00-1132	EA	18" x 42"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	347.56 6.30 11.40	9.44
08 71 11 00-1133	EA	18" x 44"	0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	364.39 6.30 11.40	9.96

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1134	EA		18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	379.16 6.30 11.40	9.96
08 71 11 00-1135	EA		18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	393.89 6.30 11.40	9.96
08 71 11 00-1136	EA		20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.94 6.30 11.40	8.92
08 71 11 00-1137	EA		20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	232.36 6.30 11.40	8.92
08 71 11 00-1138	EA		20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	248.73 6.30 11.40	8.92
08 71 11 00-1139	EA		20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	265.14 6.30 11.40	8.92
08 71 11 00-1140	EA		20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	283.62 6.30 11.40	9.44
08 71 11 00-1141	EA		20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	300.01 6.30 11.40	9.44
08 71 11 00-1142	EA		20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	316.41 6.30 11.40	9.44
08 71 11 00-1143	EA		20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	332.80 6.30 11.40	9.44
08 71 11 00-1144	EA		20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	351.30 6.30 11.40	9.96
08 71 11 00-1145	EA		20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	367.67 6.30 11.40	9.96
08 71 11 00-1146	EA		20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	384.06 6.30 11.40	9.96
08 71 11 00-1147	EA		20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	402.56 6.30 11.40	10.49
08 71 11 00-1148	EA		20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	418.95 6.30 11.40	10.49
08 71 11 00-1149	EA		20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	435.35 6.30 11.40	10.49
08 71 11 00-1150	EA		22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.97 6.30 11.40	8.92
08 71 11 00-1151	EA		22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.03 6.30 11.40	8.92
08 71 11 00-1152	EA		22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	270.05 6.30 11.40	8.92
08 71 11 00-1153	EA		22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	288.07 6.30 11.40	8.92
08 71 11 00-1154	EA		22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	308.23 6.30 11.40	9.44
08 71 11 00-1155	EA		22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	326.25 6.30 11.40	9.44
08 71 11 00-1156	EA		22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	344.28 6.30 11.40	9.44
08 71 11 00-1157	EA		22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	362.30 6.30 11.40	9.44
08 71 11 00-1158	EA		22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	382.44 6.30 11.40	9.96
08 71 11 00-1159	EA		22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	400.46 6.30 11.40	9.96
08 71 11 00-1160	EA		22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	418.50 6.30 11.40	9.96
08 71 11 00-1161	EA		22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	438.62 6.30 11.40	10.49
08 71 11 00-1162	EA		22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	456.64 6.30 11.40	10.49
08 71 11 00-1163	EA		22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	474.69 6.30 11.40	10.49

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1164	EA		24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.03 6.30 11.40	8.92
08 71 11 00-1165	EA		24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	271.68 6.30 11.40	8.92
08 71 11 00-1166	EA		24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	291.35 6.30 11.40	8.92
08 71 11 00-1167	EA		24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	311.02 6.30 11.40	8.92
08 71 11 00-1168	EA		24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	332.80 6.30 11.40	9.44
08 71 11 00-1169	EA		24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	352.47 6.30 11.40	9.44
08 71 11 00-1170	EA		24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	372.17 6.30 11.40	9.44
08 71 11 00-1171	EA		24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	391.80 6.30 11.40	9.44
08 71 11 00-1172	EA		24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	413.56 6.30 11.40	9.96
08 71 11 00-1173	EA		24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	433.25 6.30 11.40	9.96
08 71 11 00-1174	EA		24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	452.92 6.30 11.40	9.96
08 71 11 00-1175	EA		24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	474.69 6.30 11.40	10.49
08 71 11 00-1176	EA		24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	494.35 6.30 11.40	10.49
08 71 11 00-1177	EA		24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	514.02 6.30 11.40	10.49
<b>08 71 11 00-1178</b>			<b>Satin/Dark Bronze Finish, Brass Kick Plate</b> <small>(08 71 11 00-0923)</small>		
08 71 11 00-1179	EA		8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.67 1.76 11.40	7.87
08 71 11 00-1180	EA		8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.67 1.76 11.40	7.87
08 71 11 00-1181	EA		8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.71 1.76 11.40	7.87
08 71 11 00-1182	EA		8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.70 1.76 11.40	7.87
08 71 11 00-1183	EA		8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.84 1.76 11.40	8.39
08 71 11 00-1184	EA		8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.85 1.76 11.40	8.39
08 71 11 00-1185	EA		8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.88 1.76 11.40	8.39
08 71 11 00-1186	EA		8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.89 1.76 11.40	8.39
08 71 11 00-1187	EA		8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.98 1.76 11.40	8.92
08 71 11 00-1188	EA		8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.02 1.76 11.40	8.92
08 71 11 00-1189	EA		8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.03 1.76 11.40	8.92
08 71 11 00-1190	EA		8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.17 1.76 11.40	9.44
08 71 11 00-1191	EA		8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.18 1.76 11.40	9.44
08 71 11 00-1192	EA		8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.20 1.76 11.40	9.44
08 71 11 00-1193	EA		10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.46 1.76 11.40	7.87

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1194	EA	10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	106.74	7.87	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1195	EA	10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	113.00	7.87	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1196	EA	10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	119.27	7.87	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1197	EA	10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	127.64	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1198	EA	10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	133.93	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1199	EA	10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	140.18	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1200	EA	10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	146.46	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1201	EA	10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	154.83	8.92	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1202	EA	10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	161.10	8.92	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1203	EA	10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	167.36	8.92	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1204	EA	10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	175.77	9.44	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1205	EA	10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	182.03	9.44	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1206	EA	10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	188.30	9.44	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1207	EA	12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	114.26	7.87	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1208	EA	12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	121.79	7.87	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1209	EA	12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	129.31	7.87	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1210	EA	12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	136.84	7.87	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1211	EA	12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	146.46	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1212	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	154.00	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1213	EA	12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	161.53	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1214	EA	12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	169.05	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1215	EA	12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	178.67	8.92	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1216	EA	12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	186.19	8.92	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1217	EA	12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	193.70	8.92	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1218	EA	12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	203.34	9.44	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1219	EA	12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	210.89	9.44	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1220	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	218.41	9.44	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1221	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	130.15	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1222	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	138.94	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1223	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	147.72	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1224	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	156.49	8.39
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1225	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	167.36	8.92
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1226	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	176.15	8.92
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1227	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	184.93	8.92
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1228	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	193.70	8.92
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1229	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	204.60	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1230	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	213.38	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1231	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	222.16	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1232	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	233.04	9.96
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1233	EA	14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	241.85	9.96
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1234	EA	14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	250.62	9.96
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1235	EA	16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	178.22	8.39
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1236	EA	16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	191.38	8.39
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1237	EA	16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	204.53	8.39
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1238	EA	16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	217.68	8.39
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1239	EA	16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	232.92	8.92
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1240	EA	16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	246.07	8.92
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1241	EA	16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	259.23	8.92
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1242	EA	16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	272.38	8.92
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1243	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	287.64	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1244	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	300.79	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1245	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	313.94	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1246	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	329.18	9.96
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1247	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	342.32	9.96
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1248	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	355.47	9.96
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1249	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	195.83	8.39
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1250	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	210.60	8.39
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1251	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	225.33	8.39
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1252	EA	18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	240.10	8.39
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1253	EA	18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	256.93	8.92
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1254	EA		18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	271.68	8.92
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1255	EA		18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	286.43	8.92
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1256	EA		18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	301.18	8.92
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1257	EA		18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	318.03	9.44
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1258	EA		18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	332.80	9.44
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1259	EA		18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	347.56	9.44
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1260	EA		18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	364.39	9.96
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1261	EA		18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	379.16	9.96
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1262	EA		18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	393.89	9.96
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1263	EA		20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	215.94	8.92
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1264	EA		20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	232.36	8.92
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1265	EA		20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	248.73	8.92
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1266	EA		20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	265.14	8.92
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1267	EA		20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	283.62	9.44
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1268	EA		20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	300.01	9.44
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1269	EA		20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	316.41	9.44
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1270	EA		20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	332.80	9.44
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1271	EA		20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	351.30	9.96
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1272	EA		20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	367.67	9.96
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1273	EA		20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	384.06	9.96
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1274	EA		20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	402.56	10.49
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1275	EA		20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	418.95	10.49
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1276	EA		20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	435.35	10.49
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1277	EA		22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	233.97	8.92
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1278	EA		22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	252.03	8.92
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1279	EA		22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	270.05	8.92
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1280	EA		22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	288.07	8.92
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1281	EA		22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	308.23	9.44
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1282	EA		22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	326.25	9.44
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1283	EA		22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	344.28	9.44
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1284	EA		22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	362.30 6.30 11.40	9.44
08 71 11 00-1285	EA		22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	382.44 6.30 11.40	9.96
08 71 11 00-1286	EA		22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	400.46 6.30 11.40	9.96
08 71 11 00-1287	EA		22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	418.50 6.30 11.40	9.96
08 71 11 00-1288	EA		22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	438.62 6.30 11.40	10.49
08 71 11 00-1289	EA		22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	456.64 6.30 11.40	10.49
08 71 11 00-1290	EA		22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	474.69 6.30 11.40	10.49
08 71 11 00-1291	EA		24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	252.03 6.30 11.40	8.92
08 71 11 00-1292	EA		24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	271.68 6.30 11.40	8.92
08 71 11 00-1293	EA		24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	291.35 6.30 11.40	8.92
08 71 11 00-1294	EA		24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	311.02 6.30 11.40	8.92
08 71 11 00-1295	EA		24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	332.80 6.30 11.40	9.44
08 71 11 00-1296	EA		24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	352.47 6.30 11.40	9.44
08 71 11 00-1297	EA		24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	372.17 6.30 11.40	9.44
08 71 11 00-1298	EA		24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	391.80 6.30 11.40	9.44
08 71 11 00-1299	EA		24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	413.56 6.30 11.40	9.96
08 71 11 00-1300	EA		24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	433.25 6.30 11.40	9.96
08 71 11 00-1301	EA		24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	452.92 6.30 11.40	9.96
08 71 11 00-1302	EA		24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	474.69 6.30 11.40	10.49
08 71 11 00-1303	EA		24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	494.35 6.30 11.40	10.49
08 71 11 00-1304	EA		24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	514.02 6.30 11.40	10.49
<b>08 71 11 00-1305</b>			<b>Satin Nickel Finish, Brass Kick Plate</b> <small>(08 71 11 00-0923)</small>		
08 71 11 00-1306	EA		8" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	86.67 1.76 11.40	7.87
08 71 11 00-1307	EA		8" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	91.67 1.76 11.40	7.87
08 71 11 00-1308	EA		8" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	96.71 1.76 11.40	7.87
08 71 11 00-1309	EA		8" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	101.70 1.76 11.40	7.87
08 71 11 00-1310	EA		8" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	108.84 1.76 11.40	8.39
08 71 11 00-1311	EA		8" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	113.85 1.76 11.40	8.39
08 71 11 00-1312	EA		8" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	118.88 1.76 11.40	8.39
08 71 11 00-1313	EA		8" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	123.89 1.76 11.40	8.39

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1314	EA		8" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.98 1.76 11.40	8.92
08 71 11 00-1315	EA		8" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.02 1.76 11.40	8.92
08 71 11 00-1316	EA		8" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.03 1.76 11.40	8.92
08 71 11 00-1317	EA		8" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.17 1.76 11.40	9.44
08 71 11 00-1318	EA		8" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.18 1.76 11.40	9.44
08 71 11 00-1319	EA		8" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.20 1.76 11.40	9.44
08 71 11 00-1320	EA		10" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.46 1.76 11.40	7.87
08 71 11 00-1321	EA		10" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.74 1.76 11.40	7.87
08 71 11 00-1322	EA		10" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.00 1.76 11.40	7.87
08 71 11 00-1323	EA		10" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.27 1.76 11.40	7.87
08 71 11 00-1324	EA		10" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.64 1.76 11.40	8.39
08 71 11 00-1325	EA		10" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.93 1.76 11.40	8.39
08 71 11 00-1326	EA		10" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.18 1.76 11.40	8.39
08 71 11 00-1327	EA		10" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.46 1.76 11.40	8.39
08 71 11 00-1328	EA		10" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.83 1.76 11.40	8.92
08 71 11 00-1329	EA		10" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	161.10 1.76 11.40	8.92
08 71 11 00-1330	EA		10" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.36 1.76 11.40	8.92
08 71 11 00-1331	EA		10" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.77 1.76 11.40	9.44
08 71 11 00-1332	EA		10" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	182.03 1.76 11.40	9.44
08 71 11 00-1333	EA		10" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.30 1.76 11.40	9.44
08 71 11 00-1334	EA		12" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.26 1.76 11.40	7.87
08 71 11 00-1335	EA		12" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.79 1.76 11.40	7.87
08 71 11 00-1336	EA		12" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.31 1.76 11.40	7.87
08 71 11 00-1337	EA		12" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.84 1.76 11.40	7.87
08 71 11 00-1338	EA		12" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.46 1.76 11.40	8.39
08 71 11 00-1339	EA		12" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.00 1.76 11.40	8.39
08 71 11 00-1340	EA		12" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	161.53 1.76 11.40	8.39
08 71 11 00-1341	EA		12" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.05 1.76 11.40	8.39
08 71 11 00-1342	EA		12" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	178.67 1.76 11.40	8.92
08 71 11 00-1343	EA		12" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.19 1.76 11.40	8.92

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1344	EA	12" x 42"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.70 1.76 11.40	8.92
08 71 11 00-1345	EA	12" x 44"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	203.34 1.76 11.40	9.44
08 71 11 00-1346	EA	12" x 46"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.89 1.76 11.40	9.44
08 71 11 00-1347	EA	12" x 48"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.41 1.76 11.40	9.44
08 71 11 00-1348	EA	14" x 22"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.15 1.76 11.40	8.39
08 71 11 00-1349	EA	14" x 24"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.94 1.76 11.40	8.39
08 71 11 00-1350	EA	14" x 26"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.72 1.76 11.40	8.39
08 71 11 00-1351	EA	14" x 28"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.49 1.76 11.40	8.39
08 71 11 00-1352	EA	14" x 30"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.36 1.76 11.40	8.92
08 71 11 00-1353	EA	14" x 32"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.15 1.76 11.40	8.92
08 71 11 00-1354	EA	14" x 34"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	184.93 1.76 11.40	8.92
08 71 11 00-1355	EA	14" x 36"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.70 1.76 11.40	8.92
08 71 11 00-1356	EA	14" x 38"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.60 1.76 11.40	9.44
08 71 11 00-1357	EA	14" x 40"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.38 1.76 11.40	9.44
08 71 11 00-1358	EA	14" x 42"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	222.16 1.76 11.40	9.44
08 71 11 00-1359	EA	14" x 44"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.04 1.76 11.40	9.96
08 71 11 00-1360	EA	14" x 46"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	241.85 1.76 11.40	9.96
08 71 11 00-1361	EA	14" x 48"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	250.62 1.76 11.40	9.96
08 71 11 00-1362	EA	16" x 22"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	178.22 1.76 11.40	8.39
08 71 11 00-1363	EA	16" x 24"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.38 1.76 11.40	8.39
08 71 11 00-1364	EA	16" x 26"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.53 1.76 11.40	8.39
08 71 11 00-1365	EA	16" x 28"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	217.68 1.76 11.40	8.39
08 71 11 00-1366	EA	16" x 30"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	232.92 1.76 11.40	8.92
08 71 11 00-1367	EA	16" x 32"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	246.07 1.76 11.40	8.92
08 71 11 00-1368	EA	16" x 34"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	259.23 1.76 11.40	8.92
08 71 11 00-1369	EA	16" x 36"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	272.38 1.76 11.40	8.92
08 71 11 00-1370	EA	16" x 38"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	287.64 1.76 11.40	9.44
08 71 11 00-1371	EA	16" x 40"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	300.79 1.76 11.40	9.44
08 71 11 00-1372	EA	16" x 42"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	313.94 1.76 11.40	9.44
08 71 11 00-1373	EA	16" x 44"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	329.18 1.76 11.40	9.96

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1374	EA		16" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	342.32 1.76 11.40	9.96
08 71 11 00-1375	EA		16" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	355.47 1.76 11.40	9.96
08 71 11 00-1376	EA		18" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	195.83 6.30 11.40	8.39
08 71 11 00-1377	EA		18" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.60 6.30 11.40	8.39
08 71 11 00-1378	EA		18" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	225.33 6.30 11.40	8.39
08 71 11 00-1379	EA		18" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	240.10 6.30 11.40	8.39
08 71 11 00-1380	EA		18" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.93 6.30 11.40	8.92
08 71 11 00-1381	EA		18" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	271.68 6.30 11.40	8.92
08 71 11 00-1382	EA		18" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	286.43 6.30 11.40	8.92
08 71 11 00-1383	EA		18" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	301.18 6.30 11.40	8.92
08 71 11 00-1384	EA		18" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	318.03 6.30 11.40	9.44
08 71 11 00-1385	EA		18" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	332.80 6.30 11.40	9.44
08 71 11 00-1386	EA		18" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	347.56 6.30 11.40	9.44
08 71 11 00-1387	EA		18" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	364.39 6.30 11.40	9.96
08 71 11 00-1388	EA		18" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	379.16 6.30 11.40	9.96
08 71 11 00-1389	EA		18" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	393.89 6.30 11.40	9.96
08 71 11 00-1390	EA		20" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.94 6.30 11.40	8.92
08 71 11 00-1391	EA		20" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	232.36 6.30 11.40	8.92
08 71 11 00-1392	EA		20" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	248.73 6.30 11.40	8.92
08 71 11 00-1393	EA		20" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	265.14 6.30 11.40	8.92
08 71 11 00-1394	EA		20" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	283.62 6.30 11.40	9.44
08 71 11 00-1395	EA		20" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	300.01 6.30 11.40	9.44
08 71 11 00-1396	EA		20" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	316.41 6.30 11.40	9.44
08 71 11 00-1397	EA		20" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	332.80 6.30 11.40	9.44
08 71 11 00-1398	EA		20" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	351.30 6.30 11.40	9.96
08 71 11 00-1399	EA		20" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	367.67 6.30 11.40	9.96
08 71 11 00-1400	EA		20" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	384.06 6.30 11.40	9.96
08 71 11 00-1401	EA		20" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	402.56 6.30 11.40	10.49
08 71 11 00-1402	EA		20" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	418.95 6.30 11.40	10.49
08 71 11 00-1403	EA		20" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	435.35 6.30 11.40	10.49

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1404	EA		22" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.97 6.30 11.40	8.92
08 71 11 00-1405	EA		22" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.03 6.30 11.40	8.92
08 71 11 00-1406	EA		22" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	270.05 6.30 11.40	8.92
08 71 11 00-1407	EA		22" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	288.07 6.30 11.40	8.92
08 71 11 00-1408	EA		22" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	308.23 6.30 11.40	9.44
08 71 11 00-1409	EA		22" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	326.25 6.30 11.40	9.44
08 71 11 00-1410	EA		22" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	344.28 6.30 11.40	9.44
08 71 11 00-1411	EA		22" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	362.30 6.30 11.40	9.44
08 71 11 00-1412	EA		22" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	382.44 6.30 11.40	9.96
08 71 11 00-1413	EA		22" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	400.46 6.30 11.40	9.96
08 71 11 00-1414	EA		22" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	418.50 6.30 11.40	9.96
08 71 11 00-1415	EA		22" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	438.62 6.30 11.40	10.49
08 71 11 00-1416	EA		22" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	456.64 6.30 11.40	10.49
08 71 11 00-1417	EA		22" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	474.69 6.30 11.40	10.49
08 71 11 00-1418	EA		24" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.03 6.30 11.40	8.92
08 71 11 00-1419	EA		24" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	271.68 6.30 11.40	8.92
08 71 11 00-1420	EA		24" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	291.35 6.30 11.40	8.92
08 71 11 00-1421	EA		24" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	311.02 6.30 11.40	8.92
08 71 11 00-1422	EA		24" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	332.80 6.30 11.40	9.44
08 71 11 00-1423	EA		24" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	352.47 6.30 11.40	9.44
08 71 11 00-1424	EA		24" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	372.17 6.30 11.40	9.44
08 71 11 00-1425	EA		24" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	391.80 6.30 11.40	9.44
08 71 11 00-1426	EA		24" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	413.56 6.30 11.40	9.96
08 71 11 00-1427	EA		24" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	433.25 6.30 11.40	9.96
08 71 11 00-1428	EA		24" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	452.92 6.30 11.40	9.96
08 71 11 00-1429	EA		24" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	474.69 6.30 11.40	10.49
08 71 11 00-1430	EA		24" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	494.35 6.30 11.40	10.49
08 71 11 00-1431	EA		24" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	514.02 6.30 11.40	10.49

08 71 11 00-1432 Stainless Base Material Kick Plate (08 71 11 00-0794)

08 71 11 00-1433 Satin Stainless Finish, Stainless Kick Plate (08 71 11 00-1432)

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1434	EA		8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.69 1.76 11.40	7.87
08 71 11 00-1435	EA		8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.27 1.76 11.40	7.87
08 71 11 00-1436	EA		8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.81 1.76 11.40	7.87
08 71 11 00-1437	EA		8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.42 1.76 11.40	7.87
08 71 11 00-1438	EA		8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.07 1.76 11.40	8.39
08 71 11 00-1439	EA		8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.61 1.76 11.40	8.39
08 71 11 00-1440	EA		8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.22 1.76 11.40	8.39
08 71 11 00-1441	EA		8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.77 1.76 11.40	8.39
08 71 11 00-1442	EA		8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.43 1.76 11.40	8.92
08 71 11 00-1443	EA		8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.01 1.76 11.40	8.92
08 71 11 00-1444	EA		8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.56 1.76 11.40	8.92
08 71 11 00-1445	EA		8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.24 1.76 11.40	9.44
08 71 11 00-1446	EA		8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.81 1.76 11.40	9.44
08 71 11 00-1447	EA		8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.37 1.76 11.40	9.44
08 71 11 00-1448	EA		10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.00 1.76 11.40	7.87
08 71 11 00-1449	EA		10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.97 1.76 11.40	7.87
08 71 11 00-1450	EA		10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.93 1.76 11.40	7.87
08 71 11 00-1451	EA		10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.88 1.76 11.40	7.87
08 71 11 00-1452	EA		10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.95 1.76 11.40	8.39
08 71 11 00-1453	EA		10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.92 1.76 11.40	8.39
08 71 11 00-1454	EA		10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.86 1.76 11.40	8.39
08 71 11 00-1455	EA		10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.81 1.76 11.40	8.39
08 71 11 00-1456	EA		10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.89 1.76 11.40	8.92
08 71 11 00-1457	EA		10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.83 1.76 11.40	8.92
08 71 11 00-1458	EA		10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.78 1.76 11.40	8.92
08 71 11 00-1459	EA		10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.86 1.76 11.40	9.44
08 71 11 00-1460	EA		10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.82 1.76 11.40	9.44
08 71 11 00-1461	EA		10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.77 1.76 11.40	9.44
08 71 11 00-1462	EA		12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.32 1.76 11.40	7.87
08 71 11 00-1463	EA		12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.67 1.76 11.40	7.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1464	EA	12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....62.02	7.87	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1465	EA	12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....64.37	7.87	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1466	EA	12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....68.81	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1467	EA	12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....71.17	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1468	EA	12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....73.51	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1469	EA	12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....75.87	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1470	EA	12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....80.29	8.92	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1471	EA	12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....82.66	8.92	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1472	EA	12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....85.03	8.92	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1473	EA	12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....89.47	9.44	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1474	EA	12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....91.83	9.44	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1475	EA	12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....94.17	9.44	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1476	EA	14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....63.73	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1477	EA	14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....66.47	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1478	EA	14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....69.23	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1479	EA	14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....71.96	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1480	EA	14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....76.78	8.92	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1481	EA	14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....79.53	8.92	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1482	EA	14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....82.27	8.92	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1483	EA	14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....85.03	8.92	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1484	EA	14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....89.89	9.44	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1485	EA	14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....92.60	9.44	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1486	EA	14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....95.35	9.44	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1487	EA	14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....100.20	9.96	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1488	EA	14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....102.93	9.96	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1489	EA	14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....105.69	9.96	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1490	EA	16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....70.30	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1491	EA	16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....73.80	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1492	EA	16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....77.16	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1493	EA	16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....80.51	8.39	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1494	EA		16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.94 1.76 11.40	8.92
08 71 11 00-1495	EA		16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.30 1.76 11.40	8.92
08 71 11 00-1496	EA		16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.67 1.76 11.40	8.92
08 71 11 00-1497	EA		16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.01 1.76 11.40	8.92
08 71 11 00-1498	EA		16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.47 1.76 11.40	9.44
08 71 11 00-1499	EA		16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.84 1.76 11.40	9.44
08 71 11 00-1500	EA		16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.20 1.76 11.40	9.44
08 71 11 00-1501	EA		16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.92 1.76 11.40	9.96
08 71 11 00-1502	EA		16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.99 1.76 11.40	9.96
08 71 11 00-1503	EA		16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.35 1.76 11.40	9.96
08 71 11 00-1504	EA		18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.13 6.30 11.40	8.39
08 71 11 00-1505	EA		18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.83 6.30 11.40	8.39
08 71 11 00-1506	EA		18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.50 6.30 11.40	8.39
08 71 11 00-1507	EA		18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.19 6.30 11.40	8.39
08 71 11 00-1508	EA		18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.98 6.30 11.40	8.92
08 71 11 00-1509	EA		18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.66 6.30 11.40	8.92
08 71 11 00-1510	EA		18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.35 6.30 11.40	8.92
08 71 11 00-1511	EA		18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.02 6.30 11.40	8.92
08 71 11 00-1512	EA		18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.83 6.30 11.40	9.44
08 71 11 00-1513	EA		18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.52 6.30 11.40	9.44
08 71 11 00-1514	EA		18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.19 6.30 11.40	9.44
08 71 11 00-1515	EA		18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.99 6.30 11.40	9.96
08 71 11 00-1516	EA		18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.69 6.30 11.40	9.96
08 71 11 00-1517	EA		18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.36 6.30 11.40	9.96
08 71 11 00-1518	EA		20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.73 6.30 11.40	8.92
08 71 11 00-1519	EA		20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.82 6.30 11.40	8.92
08 71 11 00-1520	EA		20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.93 6.30 11.40	8.92
08 71 11 00-1521	EA		20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.01 6.30 11.40	8.92
08 71 11 00-1522	EA		20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.23 6.30 11.40	9.44
08 71 11 00-1523	EA		20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.33 6.30 11.40	9.44



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1524	EA		20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.41 6.30 11.40	9.44
08 71 11 00-1525	EA		20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.52 6.30 11.40	9.44
08 71 11 00-1526	EA		20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.70 6.30 11.40	9.96
08 71 11 00-1527	EA		20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.81 6.30 11.40	9.96
08 71 11 00-1528	EA		20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.92 6.30 11.40	9.96
08 71 11 00-1529	EA		20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.09 6.30 11.40	10.49
08 71 11 00-1530	EA		20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.20 6.30 11.40	10.49
08 71 11 00-1531	EA		20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.30 6.30 11.40	10.49
08 71 11 00-1532	EA		22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.23 6.30 11.40	8.92
08 71 11 00-1533	EA		22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.76 6.30 11.40	8.92
08 71 11 00-1534	EA		22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.24 6.30 11.40	8.92
08 71 11 00-1535	EA		22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.77 6.30 11.40	8.92
08 71 11 00-1536	EA		22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.36 6.30 11.40	9.44
08 71 11 00-1537	EA		22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.89 6.30 11.40	9.44
08 71 11 00-1538	EA		22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.38 6.30 11.40	9.44
08 71 11 00-1539	EA		22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.90 6.30 11.40	9.44
08 71 11 00-1540	EA		22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.48 6.30 11.40	9.96
08 71 11 00-1541	EA		22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.99 6.30 11.40	9.96
08 71 11 00-1542	EA		22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.52 6.30 11.40	9.96
08 71 11 00-1543	EA		22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.10 6.30 11.40	10.49
08 71 11 00-1544	EA		22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.63 6.30 11.40	10.49
08 71 11 00-1545	EA		22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.11 6.30 11.40	10.49
08 71 11 00-1546	EA		24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.76 6.30 11.40	8.92
08 71 11 00-1547	EA		24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.66 6.30 11.40	8.92
08 71 11 00-1548	EA		24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.59 6.30 11.40	8.92
08 71 11 00-1549	EA		24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.49 6.30 11.40	8.92
08 71 11 00-1550	EA		24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.52 6.30 11.40	9.44
08 71 11 00-1551	EA		24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.44 6.30 11.40	9.44
08 71 11 00-1552	EA		24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.35 6.30 11.40	9.44
08 71 11 00-1553	EA		24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.27 6.30 11.40	9.44

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-1554	EA 24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.28 6.30 11.40	9.96
08 71 11 00-1555	EA 24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.20 6.30 11.40	9.96
08 71 11 00-1556	EA 24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.11 6.30 11.40	9.96
08 71 11 00-1557	EA 24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.11 6.30 11.40	10.49
08 71 11 00-1558	EA 24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.05 6.30 11.40	10.49
08 71 11 00-1559	EA 24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.98 6.30 11.40	10.49
<b>08 71 11 00-1560 Bright Stainless Finish, Stainless Kick Plate (08 71 11 00-1432)</b>			
08 71 11 00-1561	EA 8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.16 1.76 11.40	7.87
08 71 11 00-1562	EA 8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.78 1.76 11.40	7.87
08 71 11 00-1563	EA 8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.38 1.76 11.40	7.87
08 71 11 00-1564	EA 8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.99 1.76 11.40	7.87
08 71 11 00-1565	EA 8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.68 1.76 11.40	8.39
08 71 11 00-1566	EA 8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.31 1.76 11.40	8.39
08 71 11 00-1567	EA 8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.90 1.76 11.40	8.39
08 71 11 00-1568	EA 8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.53 1.76 11.40	8.39
08 71 11 00-1569	EA 8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.20 1.76 11.40	8.92
08 71 11 00-1570	EA 8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.82 1.76 11.40	8.92
08 71 11 00-1571	EA 8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.45 1.76 11.40	8.92
08 71 11 00-1572	EA 8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.15 1.76 11.40	9.44
08 71 11 00-1573	EA 8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.76 1.76 11.40	9.44
08 71 11 00-1574	EA 8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.36 1.76 11.40	9.44
08 71 11 00-1575	EA 10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.08 1.76 11.40	7.87
08 71 11 00-1576	EA 10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.58 1.76 11.40	7.87
08 71 11 00-1577	EA 10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.11 1.76 11.40	7.87
08 71 11 00-1578	EA 10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.62 1.76 11.40	7.87
08 71 11 00-1579	EA 10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.22 1.76 11.40	8.39
08 71 11 00-1580	EA 10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.73 1.76 11.40	8.39
08 71 11 00-1581	EA 10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.26 1.76 11.40	8.39
08 71 11 00-1582	EA 10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.77 1.76 11.40	8.39
08 71 11 00-1583	EA 10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.36 1.76 11.40	8.92

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1584	EA		10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.87 1.76 11.40	8.92
08 71 11 00-1585	EA		10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.40 1.76 11.40	8.92
08 71 11 00-1586	EA		10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.99 1.76 11.40	9.44
08 71 11 00-1587	EA		10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.52 1.76 11.40	9.44
08 71 11 00-1588	EA		10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.03 1.76 11.40	9.44
08 71 11 00-1589	EA		12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.00 1.76 11.40	7.87
08 71 11 00-1590	EA		12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.43 1.76 11.40	7.87
08 71 11 00-1591	EA		12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.84 1.76 11.40	7.87
08 71 11 00-1592	EA		12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.26 1.76 11.40	7.87
08 71 11 00-1593	EA		12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.77 1.76 11.40	8.39
08 71 11 00-1594	EA		12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.16 1.76 11.40	8.39
08 71 11 00-1595	EA		12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.59 1.76 11.40	8.39
08 71 11 00-1596	EA		12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.00 1.76 11.40	8.39
08 71 11 00-1597	EA		12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.51 1.76 11.40	8.92
08 71 11 00-1598	EA		12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.92 1.76 11.40	8.92
08 71 11 00-1599	EA		12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.32 1.76 11.40	8.92
08 71 11 00-1600	EA		12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.86 1.76 11.40	9.44
08 71 11 00-1601	EA		12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.26 1.76 11.40	9.44
08 71 11 00-1602	EA		12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.68 1.76 11.40	9.44
08 71 11 00-1603	EA		14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.04 1.76 11.40	8.39
08 71 11 00-1604	EA		14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.36 1.76 11.40	8.39
08 71 11 00-1605	EA		14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.68 1.76 11.40	8.39
08 71 11 00-1606	EA		14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.99 1.76 11.40	8.39
08 71 11 00-1607	EA		14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.40 1.76 11.40	8.92
08 71 11 00-1608	EA		14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.70 1.76 11.40	8.92
08 71 11 00-1609	EA		14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.02 1.76 11.40	8.92
08 71 11 00-1610	EA		14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.32 1.76 11.40	8.92
08 71 11 00-1611	EA		14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.77 1.76 11.40	9.44
08 71 11 00-1612	EA		14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.08 1.76 11.40	9.44
08 71 11 00-1613	EA		14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.40 1.76 11.40	9.44

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1614	EA		14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	178.81 1.76 11.40	9.96
08 71 11 00-1615	EA		14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.10 1.76 11.40	9.96
08 71 11 00-1616	EA		14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.41 1.76 11.40	9.96
08 71 11 00-1617	EA		16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.95 1.76 11.40	8.39
08 71 11 00-1618	EA		16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.16 1.76 11.40	8.39
08 71 11 00-1619	EA		16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.41 1.76 11.40	8.39
08 71 11 00-1620	EA		16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.61 1.76 11.40	8.39
08 71 11 00-1621	EA		16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.92 1.76 11.40	8.92
08 71 11 00-1622	EA		16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.14 1.76 11.40	8.92
08 71 11 00-1623	EA		16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.35 1.76 11.40	8.92
08 71 11 00-1624	EA		16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.57 1.76 11.40	8.92
08 71 11 00-1625	EA		16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.90 1.76 11.40	9.44
08 71 11 00-1626	EA		16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	182.10 1.76 11.40	9.44
08 71 11 00-1627	EA		16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	189.32 1.76 11.40	9.44
08 71 11 00-1628	EA		16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.63 1.76 11.40	9.96
08 71 11 00-1629	EA		16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	205.87 1.76 11.40	9.96
08 71 11 00-1630	EA		16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.09 1.76 11.40	9.96
08 71 11 00-1631	EA		18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.94 6.30 11.40	8.39
08 71 11 00-1632	EA		18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.19 6.30 11.40	8.39
08 71 11 00-1633	EA		18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.37 6.30 11.40	8.39
08 71 11 00-1634	EA		18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.62 6.30 11.40	8.39
08 71 11 00-1635	EA		18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.92 6.30 11.40	8.92
08 71 11 00-1636	EA		18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.11 6.30 11.40	8.92
08 71 11 00-1637	EA		18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.36 6.30 11.40	8.92
08 71 11 00-1638	EA		18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.24 6.30 11.40	8.92
08 71 11 00-1639	EA		18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.90 6.30 11.40	9.44
08 71 11 00-1640	EA		18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.12 6.30 11.40	9.44
08 71 11 00-1641	EA		18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.33 6.30 11.40	9.44
08 71 11 00-1642	EA		18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.64 6.30 11.40	9.96
08 71 11 00-1643	EA		18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	228.85 6.30 11.40	9.96

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1644	EA		18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	237.07 6.30 11.40	9.96
08 71 11 00-1645	EA		20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.10 6.30 11.40	8.92
08 71 11 00-1646	EA		20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.21 6.30 11.40	8.92
08 71 11 00-1647	EA		20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.35 6.30 11.40	8.92
08 71 11 00-1648	EA		20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.47 6.30 11.40	8.92
08 71 11 00-1649	EA		20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.71 6.30 11.40	9.44
08 71 11 00-1650	EA		20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.86 6.30 11.40	9.44
08 71 11 00-1651	EA		20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.97 6.30 11.40	9.44
08 71 11 00-1652	EA		20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.12 6.30 11.40	9.44
08 71 11 00-1653	EA		20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.31 6.30 11.40	9.96
08 71 11 00-1654	EA		20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	222.46 6.30 11.40	9.96
08 71 11 00-1655	EA		20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.59 6.30 11.40	9.96
08 71 11 00-1656	EA		20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	242.81 6.30 11.40	10.49
08 71 11 00-1657	EA		20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.95 6.30 11.40	10.49
08 71 11 00-1658	EA		20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.06 6.30 11.40	10.49
08 71 11 00-1659	EA		22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.13 6.30 11.40	8.92
08 71 11 00-1660	EA		22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.17 6.30 11.40	8.92
08 71 11 00-1661	EA		22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.21 6.30 11.40	8.92
08 71 11 00-1662	EA		22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.24 6.30 11.40	8.92
08 71 11 00-1663	EA		22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.41 6.30 11.40	9.44
08 71 11 00-1664	EA		22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.46 6.30 11.40	9.44
08 71 11 00-1665	EA		22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	208.51 6.30 11.40	9.44
08 71 11 00-1666	EA		22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.55 6.30 11.40	9.44
08 71 11 00-1667	EA		22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	230.67 6.30 11.40	9.96
08 71 11 00-1668	EA		22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	240.71 6.30 11.40	9.96
08 71 11 00-1669	EA		22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	250.75 6.30 11.40	9.96
08 71 11 00-1670	EA		22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	262.89 6.30 11.40	10.49
08 71 11 00-1671	EA		22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	272.95 6.30 11.40	10.49
08 71 11 00-1672	EA		22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	282.99 6.30 11.40	10.49
08 71 11 00-1673	EA		24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.17 6.30 11.40	8.92

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 71 11 00-1674	EA	24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	167.11	8.92
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1675	EA	24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	178.08	8.92
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1676	EA	24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	189.03	8.92
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1677	EA	24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	202.12	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1678	EA	24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	213.05	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1679	EA	24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	224.01	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1680	EA	24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	234.98	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1681	EA	24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	248.03	9.96
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1682	EA	24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	258.96	9.96
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1683	EA	24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	269.93	9.96
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1684	EA	24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	282.99	10.49
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1685	EA	24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	293.96	10.49
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1686	EA	24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	304.90	10.49
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

08 71 11 00-1687 Plastic Kick Plate (08 71 11 00-0794)

08 71 11 00-1688 Clear Or Black Finish, Plastic Kick Plate (08 71 11 00-1687)

Note: With four beveled edges.

08 71 11 00-1689	EA	8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	44.14	7.87
08 71 11 00-1690	EA	8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	45.28	7.87
08 71 11 00-1691	EA	8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	46.45	7.87
08 71 11 00-1692	EA	8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	47.60	7.87
08 71 11 00-1693	EA	8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	50.86	8.39
08 71 11 00-1694	EA	8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	52.01	8.39
08 71 11 00-1695	EA	8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	53.15	8.39
08 71 11 00-1696	EA	8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	54.32	8.39
08 71 11 00-1697	EA	8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	58.96	8.92
08 71 11 00-1698	EA	8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	58.69	8.92
08 71 11 00-1699	EA	8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	59.87	8.92
08 71 11 00-1700	EA	8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	63.13	9.44
08 71 11 00-1701	EA	8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.29	9.44
08 71 11 00-1702	EA	8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	65.44	9.44
08 71 11 00-1703	EA	10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	47.31	7.87
08 71 11 00-1704	EA	10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	48.76	7.87
08 71 11 00-1705	EA	10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	50.19	7.87
08 71 11 00-1706	EA	10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	51.62	7.87
08 71 11 00-1707	EA	10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	55.18	8.39
08 71 11 00-1708	EA	10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	56.60	8.39
08 71 11 00-1709	EA	10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	58.06	8.39
08 71 11 00-1710	EA	10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	59.49	8.39
08 71 11 00-1711	EA	10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	63.03	8.92
08 71 11 00-1712	EA	10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.46	8.92
08 71 11 00-1713	EA	10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	65.92	8.92
08 71 11 00-1714	EA	10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	69.46	9.44
08 71 11 00-1715	EA	10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.91	9.44
08 71 11 00-1716	EA	10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	72.34	9.44
08 71 11 00-1717	EA	12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	50.49	7.87
08 71 11 00-1718	EA	12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	52.22	7.87
08 71 11 00-1719	EA	12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	53.93	7.87
08 71 11 00-1720	EA	12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	55.68	7.87
08 71 11 00-1721	EA	12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	59.49	8.39
08 71 11 00-1722	EA	12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	61.24	8.39
08 71 11 00-1723	EA	12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	62.97	8.39
08 71 11 00-1724	EA	12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.70	8.39
08 71 11 00-1725	EA	12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	68.49	8.92
08 71 11 00-1726	EA	12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.23	8.92
08 71 11 00-1727	EA	12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	71.98	8.92
08 71 11 00-1728	EA	12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.80	9.44
08 71 11 00-1729	EA	12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	77.55	9.44
08 71 11 00-1730	EA	12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.26	9.44
08 71 11 00-1731	EA	14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	55.75	8.39

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1732	EA	14" x 24"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	57.78	8.39
08 71 11 00-1733	EA	14" x 26"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	59.78	8.39
08 71 11 00-1734	EA	14" x 28"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	61.81	8.39
08 71 11 00-1735	EA	14" x 30"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	65.92	8.92
08 71 11 00-1736	EA	14" x 32"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	67.92	8.92
08 71 11 00-1737	EA	14" x 34"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	69.95	8.92
08 71 11 00-1738	EA	14" x 36"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	71.98	8.92
08 71 11 00-1739	EA	14" x 38"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	76.09	9.44
08 71 11 00-1740	EA	14" x 40"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	78.12	9.44
08 71 11 00-1741	EA	14" x 42"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	80.14	9.44
08 71 11 00-1742	EA	14" x 44"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	84.23	9.96
08 71 11 00-1743	EA	14" x 46"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.26	9.96
08 71 11 00-1744	EA	14" x 48"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	88.26	9.96
08 71 11 00-1745	EA	16" x 22"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	62.72	8.39
08 71 11 00-1746	EA	16" x 24"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	65.38	8.39
08 71 11 00-1747	EA	16" x 26"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	68.00	8.39
08 71 11 00-1748	EA	16" x 28"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.66	8.39
08 71 11 00-1749	EA	16" x 30"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.41	8.92
08 71 11 00-1750	EA	16" x 32"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	78.05	8.92
08 71 11 00-1751	EA	16" x 34"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	80.71	8.92
08 71 11 00-1752	EA	16" x 36"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.35	8.92
08 71 11 00-1753	EA	16" x 38"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	88.12	9.44
08 71 11 00-1754	EA	16" x 40"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	90.76	9.44
08 71 11 00-1755	EA	16" x 42"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	93.42	9.44
08 71 11 00-1756	EA	16" x 44"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	98.17	9.96
08 71 11 00-1757	EA	16" x 46"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	100.79	9.96
08 71 11 00-1758	EA	16" x 48"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	103.45	9.96
08 71 11 00-1759	EA	18" x 22"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	66.35	8.39
08 71 11 00-1760	EA	18" x 24"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	69.34	8.39
08 71 11 00-1761	EA	18" x 26"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	72.31	8.39
08 71 11 00-1762	EA	18" x 28"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.31	8.39
08 71 11 00-1763	EA	18" x 30"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	146.56	8.92
08 71 11 00-1764	EA	18" x 32"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.35	8.92
08 71 11 00-1765	EA	18" x 34"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.34	8.92
08 71 11 00-1766	EA	18" x 36"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.31	8.92
08 71 11 00-1767	EA	18" x 38"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	94.42	9.44
08 71 11 00-1768	EA	18" x 40"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	97.40	9.44
08 71 11 00-1769	EA	18" x 42"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	100.37	9.44
08 71 11 00-1770	EA	18" x 44"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	105.45	9.96
08 71 11 00-1771	EA	18" x 46"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	108.42	9.96
08 71 11 00-1772	EA	18" x 48"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	111.42	9.96
08 71 11 00-1773	EA	20" x 22"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	72.09	8.92
08 71 11 00-1774	EA	20" x 24"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.41	8.92
08 71 11 00-1775	EA	20" x 26"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	78.71	8.92
08 71 11 00-1776	EA	20" x 28"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	82.03	8.92
08 71 11 00-1777	EA	20" x 30"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	87.46	9.44
08 71 11 00-1778	EA	20" x 32"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	90.76	9.44
08 71 11 00-1779	EA	20" x 34"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	94.08	9.44
08 71 11 00-1780	EA	20" x 36"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	97.40	9.44
08 71 11 00-1781	EA	20" x 38"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	102.79	9.96
08 71 11 00-1782	EA	20" x 40"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	106.11	9.96
08 71 11 00-1783	EA	20" x 42"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	109.41	9.96
08 71 11 00-1784	EA	20" x 44"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	114.83	10.49
08 71 11 00-1785	EA	20" x 46"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.15	10.49
08 71 11 00-1786	EA	20" x 48"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	121.45	10.49
08 71 11 00-1787	EA	22" x 22"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.75	8.92
08 71 11 00-1788	EA	22" x 24"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.37	8.92
08 71 11 00-1789	EA	22" x 26"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.02	8.92
08 71 11 00-1790	EA	22" x 28"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.65	8.92
08 71 11 00-1791	EA	22" x 30"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	92.43	9.44
08 71 11 00-1792	EA	22" x 32"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	96.08	9.44
08 71 11 00-1793	EA	22" x 34"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.71	9.44
08 71 11 00-1794	EA	22" x 36"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	103.36	9.44
08 71 11 00-1795	EA	22" x 38"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	109.08	9.96
08 71 11 00-1796	EA	22" x 40"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	112.73	9.96
08 71 11 00-1797	EA	22" x 42"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	116.39	9.96
08 71 11 00-1798	EA	22" x 44"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.11	10.49
08 71 11 00-1799	EA	22" x 46"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	125.77	10.49
08 71 11 00-1800	EA	22" x 48"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	129.39	10.49
08 71 11 00-1801	EA	24" x 22"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.37	8.92
08 71 11 00-1802	EA	24" x 24"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.35	8.92
08 71 11 00-1803	EA	24" x 26"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	87.34	8.92
08 71 11 00-1804	EA	24" x 28"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	91.31	8.92
08 71 11 00-1805	EA	24" x 30"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	97.40	9.44
08 71 11 00-1806	EA	24" x 32"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	101.36	9.44
08 71 11 00-1807	EA	24" x 34"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	105.34	9.44
08 71 11 00-1808	EA	24" x 36"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	109.33	9.44
08 71 11 00-1809	EA	24" x 38"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	115.39	9.96
08 71 11 00-1810	EA	24" x 40"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	119.35	9.96
08 71 11 00-1811	EA	24" x 42"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	123.33	9.96
08 71 11 00-1812	EA	24" x 44"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	129.39	10.49
08 71 11 00-1813	EA	24" x 46"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	133.40	10.49
08 71 11 00-1814	EA	24" x 48"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	137.37	10.49

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-1815	Mop Plate (08 71 11 00-0793) Note: Ives 8400.		
08 71 11 00-1816	Aluminum Base Material Mop Plate (08 71 11 00-1815)		
08 71 11 00-1817	Satin Aluminum Finish, Aluminum Mop Plate (08 71 11 00-1816)		
08 71 11 00-1818	EA 4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	39.44	7.66
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1819	EA 4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	40.27	7.66
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1820	EA 4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	41.06	7.66
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1821	EA 4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	41.89	7.66
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1822	EA 4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	43.97	7.97
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1823	EA 4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	44.76	7.97
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1824	EA 4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	45.59	7.97
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1825	EA 4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	46.38	7.97
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1826	EA 4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	49.00	8.39
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1827	EA 4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	49.81	8.39
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1828	EA 4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	50.61	8.39
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1829	EA 4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	53.51	8.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1830	EA 4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	54.34	8.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1831	EA 4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	55.13	8.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1832	EA 6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	43.91	7.66
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1833	EA 6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	45.12	7.66
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1834	EA 6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	46.35	7.66
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1835	EA 6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	47.56	7.66
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1836	EA 6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	50.05	7.97
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1837	EA 6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	51.25	7.97
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1838	EA 6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	52.50	7.97
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1839	EA 6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	53.70	7.97
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1840	EA 6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	56.71	8.39
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1841	EA 6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	57.93	8.39
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1842	EA 6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	59.16	8.39
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1843	EA 6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	62.46	8.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1844	EA 6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	63.69	8.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1845	EA 6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	64.89	8.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-1846			Brass Base Material Mop Plate <small>(08 71 11 00-1815)</small>		
08 71 11 00-1847			Bright/Satin Brass Finish, Brass Mop Plate <small>(08 71 11 00-1846)</small>		
08 71 11 00-1848	EA		4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	56.59	7.66
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1849	EA		4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	58.99	7.66
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1850	EA		4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	61.35	7.66
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1851	EA		4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	63.73	7.66
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1852	EA		4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	67.36	7.97
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1853	EA		4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	69.72	7.97
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1854	EA		4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	72.10	7.97
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1855	EA		4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	74.47	7.97
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1856	EA		4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	78.64	8.39
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1857	EA		4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	81.01	8.39
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1858	EA		4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	83.37	8.39
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1859	EA		4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	87.84	8.92
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1860	EA		4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	90.21	8.92
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1861	EA		4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	92.60	8.92
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1862	EA		6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	69.66	7.66
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1863	EA		6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	73.21	7.66
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1864	EA		6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	76.77	7.66
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1865	EA		6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	80.32	7.66
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1866	EA		6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	85.14	7.97
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1867	EA		6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	88.72	7.97
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1868	EA		6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	92.26	7.97
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1869	EA		6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	95.83	7.97
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1870	EA		6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	101.16	8.39
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1871	EA		6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	104.74	8.39
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1872	EA		6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	108.30	8.39
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1873	EA		6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	113.94	8.92
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1874	EA		6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	117.50	8.92
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1875	EA		6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	121.05	8.92
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-1876	Bright/Satin Chrome Finish, Brass Mop Plate <small>(08 71 11 00-1846)</small>		
08 71 11 00-1877	EA 4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....59.06		7.66
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1878	EA 4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....61.65		7.66
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1879	EA 4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....64.25		7.66
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1880	EA 4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....66.84		7.66
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1881	EA 4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....70.69		7.97
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1882	EA 4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....73.29		7.97
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1883	EA 4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....75.89		7.97
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1884	EA 4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....78.47		7.97
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1885	EA 4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....82.86		8.39
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1886	EA 4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....85.47		8.39
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1887	EA 4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....88.07		8.39
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1888	EA 4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....92.76		8.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1889	EA 4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....95.34		8.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1890	EA 4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....97.94		8.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1891	EA 6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....73.33		7.66
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1892	EA 6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....77.21		7.66
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1893	EA 6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....81.11		7.66
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1894	EA 6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....85.02		7.66
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1895	EA 6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....90.15		7.97
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1896	EA 6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....94.06		7.97
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1897	EA 6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....97.94		7.97
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1898	EA 6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....101.84		7.97
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1899	EA 6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....107.54		8.39
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1900	EA 6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....111.41		8.39
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1901	EA 6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....115.32		8.39
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1902	EA 6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....121.28		8.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1903	EA 6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....125.19		8.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1904	EA 6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate .....129.08		8.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 71 11 00-1905 Satin/Dark Bronze Finish, Brass Mop Plate (08 71 11 00-1946)</b>			
08 71 11 00-1906	EA 4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	59.53 1.76 11.40	7.66
08 71 11 00-1907	EA 4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	62.16 1.76 11.40	7.66
08 71 11 00-1908	EA 4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	64.81 1.76 11.40	7.66
08 71 11 00-1909	EA 4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	67.44 1.76 11.40	7.66
08 71 11 00-1910	EA 4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	71.34 1.76 11.40	7.97
08 71 11 00-1911	EA 4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	73.99 1.76 11.40	7.97
08 71 11 00-1912	EA 4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	76.63 1.76 11.40	7.97
08 71 11 00-1913	EA 4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	79.28 1.76 11.40	7.97
08 71 11 00-1914	EA 4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	83.68 1.76 11.40	8.39
08 71 11 00-1915	EA 4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	86.33 1.76 11.40	8.39
08 71 11 00-1916	EA 4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	88.97 1.76 11.40	8.39
08 71 11 00-1917	EA 4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	93.71 1.76 11.40	8.92
08 71 11 00-1918	EA 4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	96.35 1.76 11.40	8.92
08 71 11 00-1919	EA 4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	98.97 1.76 11.40	8.92
08 71 11 00-1920	EA 6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	74.03 1.76 11.40	7.66
08 71 11 00-1921	EA 6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	78.02 1.76 11.40	7.66
08 71 11 00-1922	EA 6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	81.97 1.76 11.40	7.66
08 71 11 00-1923	EA 6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	93.63 1.76 11.40	7.66
08 71 11 00-1924	EA 6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	91.14 1.76 11.40	7.97
08 71 11 00-1925	EA 6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	95.09 1.76 11.40	7.97
08 71 11 00-1926	EA 6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	99.04 1.76 11.40	7.97
08 71 11 00-1927	EA 6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	102.99 1.76 11.40	7.97
08 71 11 00-1928	EA 6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	108.77 1.76 11.40	8.39
08 71 11 00-1929	EA 6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	112.72 1.76 11.40	8.39
08 71 11 00-1930	EA 6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	116.67 1.76 11.40	8.39
08 71 11 00-1931	EA 6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	122.71 1.76 11.40	8.92
08 71 11 00-1932	EA 6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	126.67 1.76 11.40	8.92
08 71 11 00-1933	EA 6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	130.62 1.76 11.40	8.92
<b>08 71 11 00-1934 Satin Nickel Finish, Brass Mop Plate (08 71 11 00-1946)</b>			

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1935	EA		4" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.09 1.76 11.40	7.66
08 71 11 00-1936	EA		4" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.75 1.76 11.40	7.66
08 71 11 00-1937	EA		4" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.46 1.76 11.40	7.66
08 71 11 00-1938	EA		4" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.15 1.76 11.40	7.66
08 71 11 00-1939	EA		4" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.10 1.76 11.40	7.97
08 71 11 00-1940	EA		4" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.78 1.76 11.40	7.97
08 71 11 00-1941	EA		4" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.47 1.76 11.40	7.97
08 71 11 00-1942	EA		4" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.16 1.76 11.40	7.97
08 71 11 00-1943	EA		4" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.66 1.76 11.40	8.39
08 71 11 00-1944	EA		4" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.34 1.76 11.40	8.39
08 71 11 00-1945	EA		4" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.02 1.76 11.40	8.39
08 71 11 00-1946	EA		4" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.81 1.76 11.40	8.92
08 71 11 00-1947	EA		4" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.51 1.76 11.40	8.92
08 71 11 00-1948	EA		4" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.17 1.76 11.40	8.92
08 71 11 00-1949	EA		6" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.87 1.76 11.40	7.66
08 71 11 00-1950	EA		6" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.90 1.76 11.40	7.66
08 71 11 00-1951	EA		6" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.93 1.76 11.40	7.66
08 71 11 00-1952	EA		6" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.97 1.76 11.40	7.66
08 71 11 00-1953	EA		6" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.26 1.76 11.40	7.97
08 71 11 00-1954	EA		6" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.29 1.76 11.40	7.97
08 71 11 00-1955	EA		6" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.32 1.76 11.40	7.97
08 71 11 00-1956	EA		6" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.36 1.76 11.40	7.97
08 71 11 00-1957	EA		6" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.18 1.76 11.40	8.39
08 71 11 00-1958	EA		6" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.23 1.76 11.40	8.39
08 71 11 00-1959	EA		6" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.26 1.76 11.40	8.39
08 71 11 00-1960	EA		6" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.38 1.76 11.40	8.92
08 71 11 00-1961	EA		6" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.41 1.76 11.40	8.92
08 71 11 00-1962	EA		6" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.45 1.76 11.40	8.92

08 71 11 00-1963 Stainless Base Material Mop Plate (08 71 11 00-1815)

08 71 11 00-1964 Satin Stainless Finish, Stainless Mop Plate (08 71 11 00-1963)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1965	EA		4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.02 1.76 11.40	7.66
08 71 11 00-1966	EA		4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.86 1.76 11.40	7.66
08 71 11 00-1967	EA		4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.73 1.76 11.40	7.66
08 71 11 00-1968	EA		4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.59 1.76 11.40	7.66
08 71 11 00-1969	EA		4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.72 1.76 11.40	7.97
08 71 11 00-1970	EA		4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.59 1.76 11.40	7.97
08 71 11 00-1971	EA		4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.43 1.76 11.40	7.97
08 71 11 00-1972	EA		4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.30 1.76 11.40	7.97
08 71 11 00-1973	EA		4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.95 1.76 11.40	8.39
08 71 11 00-1974	EA		4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.82 1.76 11.40	8.39
08 71 11 00-1975	EA		4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.69 1.76 11.40	8.39
08 71 11 00-1976	EA		4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.62 1.76 11.40	8.92
08 71 11 00-1977	EA		4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.49 1.76 11.40	8.92
08 71 11 00-1978	EA		4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.35 1.76 11.40	8.92
08 71 11 00-1979	EA		6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.73 1.76 11.40	7.66
08 71 11 00-1980	EA		6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.04 1.76 11.40	7.66
08 71 11 00-1981	EA		6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.33 1.76 11.40	7.66
08 71 11 00-1982	EA		6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.64 1.76 11.40	7.66
08 71 11 00-1983	EA		6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.17 1.76 11.40	7.97
08 71 11 00-1984	EA		6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.47 1.76 11.40	7.97
08 71 11 00-1985	EA		6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.77 1.76 11.40	7.97
08 71 11 00-1986	EA		6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.06 1.76 11.40	7.97
08 71 11 00-1987	EA		6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.16 1.76 11.40	8.39
08 71 11 00-1988	EA		6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.44 1.76 11.40	8.39
08 71 11 00-1989	EA		6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.73 1.76 11.40	8.39
08 71 11 00-1990	EA		6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.13 1.76 11.40	8.92
08 71 11 00-1991	EA		6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.40 1.76 11.40	8.92
08 71 11 00-1992	EA		6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.71 1.76 11.40	8.92
08 71 11 00-1993			<b>Bright Stainless Finish, Stainless Mop Plate</b> (08 71 11 00-1963)		
08 71 11 00-1994	EA		4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.61 1.76 11.40	7.66

**08 Openings****08 70 Hardware****08 71 Door Hardware**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-1995	EA	4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	53.54	7.66
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1996	EA	4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	55.47	7.66
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1997	EA	4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	57.37	7.66
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1998	EA	4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	60.56	7.97
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1999	EA	4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	62.47	7.97
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2000	EA	4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	64.40	7.97
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2001	EA	4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	66.33	7.97
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2002	EA	4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	70.02	8.39
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2003	EA	4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	71.95	8.39
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2004	EA	4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	73.88	8.39
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2005	EA	4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	77.88	8.92
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2006	EA	4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	79.81	8.92
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2007	EA	4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	81.71	8.92
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2008	EA	6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	62.16	7.66
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2009	EA	6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	65.07	7.66
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2010	EA	6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	67.95	7.66
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2011	EA	6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	70.83	7.66
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2012	EA	6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	74.95	7.97
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2013	EA	6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	77.83	7.97
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2014	EA	6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	80.71	7.97
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2015	EA	6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	83.59	7.97
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2016	EA	6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	88.27	8.39
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2017	EA	6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	91.15	8.39
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2018	EA	6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	94.03	8.39
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2019	EA	6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	99.00	8.92
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2020	EA	6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	101.86	8.92
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2021	EA	6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	104.74	8.92
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-2022		Plastic Mop Plate <small>(08 71 11 00-1815)</small>		
08 71 11 00-2023		Clear Or Black Finish, Plastic Mop Plate <small>(08 71 11 00-2022)</small> Note: With four beveled edges.		
08 71 11 00-2024	EA	4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	38.41	7.66

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2025	EA		4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	39.13	7.66
08 71 11 00-2026	EA		4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	39.86	7.66
08 71 11 00-2027	EA		4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	40.58	7.66
08 71 11 00-2028	EA		4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	42.55	7.97
08 71 11 00-2029	EA		4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	43.27	7.97
08 71 11 00-2030	EA		4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	43.99	7.97
08 71 11 00-2031	EA		4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	44.72	7.97
08 71 11 00-2032	EA		4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	47.22	8.39
08 71 11 00-2033	EA		4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	47.94	8.39
08 71 11 00-2034	EA		4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	48.65	8.39
08 71 11 00-2035	EA		4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	51.46	8.92
08 71 11 00-2036	EA		4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	52.19	8.92
08 71 11 00-2037	EA		4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	52.91	8.92
08 71 11 00-2038	EA		6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	42.37	7.66
08 71 11 00-2039	EA		6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	43.46	7.66
08 71 11 00-2040	EA		6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	44.53	7.66
08 71 11 00-2041	EA		6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	45.60	7.66
08 71 11 00-2042	EA		6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	47.95	7.97
08 71 11 00-2043	EA		6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	49.03	7.97
08 71 11 00-2044	EA		6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	50.10	7.97
08 71 11 00-2045	EA		6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	51.17	7.97
08 71 11 00-2046	EA		6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	54.05	8.39
08 71 11 00-2047	EA		6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	55.13	8.39
08 71 11 00-2048	EA		6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	56.20	8.39
08 71 11 00-2049	EA		6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	59.38	8.92
08 71 11 00-2050	EA		6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	60.45	8.92
08 71 11 00-2051	EA		6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	61.53	8.92

**08 71 11 00-2052 Armor Door Plate** (08 71 11 00-0793)  
 Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.

08 71 11 00-2053	SF		4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate.....	18.18	1.31
08 71 11 00-2054	SF		>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate.....	17.03	1.03
08 71 11 00-2055	SF		4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate.....	19.99	1.31
08 71 11 00-2056	SF		>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate.....	18.84	1.03
08 71 11 00-2057	SF		4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate.....	38.11	1.31
08 71 11 00-2058	SF		>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate.....	36.96	1.03

**08 71 11 00-2059 Pull Handle And Plates** (08 71 11 00-0793)

**08 71 11 00-2060 Pull Handle** (08 71 11 00-2059)

08 71 11 00-2061	EA		3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6).....	47.66	8.65
			<i>For Stainless Steel, Add</i>	5.49	
			<i>For Brass, Add</i>	7.44	
08 71 11 00-2062	EA		3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8).....	49.35	8.65
			<i>For Stainless Steel, Add</i>	6.20	
			<i>For Brass, Add</i>	8.41	
08 71 11 00-2063	EA		3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10).....	52.02	8.65
			<i>For Stainless Steel, Add</i>	7.32	
			<i>For Brass, Add</i>	9.93	
08 71 11 00-2064	EA		1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8).....	53.51	8.65
			<i>For Stainless Steel, Add</i>	7.94	
			<i>For Brass, Add</i>	10.78	
08 71 11 00-2065	EA		1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10).....	56.19	8.65
			<i>For Stainless Steel, Add</i>	9.07	
			<i>For Brass, Add</i>	12.31	
08 71 11 00-2066	EA		1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12).....	59.66	8.65
			<i>For Stainless Steel, Add</i>	10.53	
			<i>For Brass, Add</i>	14.28	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2067	EA		1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6).....	49.48	8.65
			<i>For Stainless Steel, Add</i>	6.25	
			<i>For Brass, Add</i>	8.48	
08 71 11 00-2068	EA		1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8).....	53.18	8.65
			<i>For Stainless Steel, Add</i>	7.80	
			<i>For Brass, Add</i>	10.59	
08 71 11 00-2069	EA		1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10).....	53.79	8.65
			<i>For Stainless Steel, Add</i>	8.06	
			<i>For Brass, Add</i>	10.94	
08 71 11 00-2070	EA		1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8).....	91.13	8.65
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	10.68	
			<i>For Brass, Add</i>	9.84	
08 71 11 00-2071	EA		1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-0).....	93.42	8.65
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	11.12	
			<i>For Brass, Add</i>	10.23	
08 71 11 00-2072	EA		1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-2).....	98.02	8.65
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	11.99	
			<i>For Brass, Add</i>	11.04	
08 71 11 00-2073	EA		1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18).....	124.65	8.65
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	17.02	
			<i>For Brass, Add</i>	15.67	
<b>08 71 11 00-2074</b>			<b>Pull Plate</b> (08 71 11 00-2059)		
08 71 11 00-2075	EA		3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302).....	63.43	6.56
			<i>For Stainless Steel, Add</i>	21.96	
			<i>For Brass, Add</i>	27.92	
08 71 11 00-2076	EA		4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302).....	64.73	6.56
			<i>For Stainless Steel, Add</i>	22.73	
			<i>For Brass, Add</i>	28.89	
08 71 11 00-2077	EA		6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302).....	67.68	6.56
			<i>For Stainless Steel, Add</i>	24.47	
			<i>For Brass, Add</i>	31.10	
08 71 11 00-2078	EA		7-1/4" x 11" Stainless Steel Vandal Resistant Pull Handle (Ives VR900).....	223.01	6.56
			<i>For Stainless Steel, Add</i>	116.11	
			<i>For Brass, Add</i>	147.60	
			<i>For Owner Furnished Material, Deduct</i>	-196.80	
<b>08 71 11 00-2079</b>			<b>Push Bars And Plates</b> (08 71 11 00-0793)		
<b>08 71 11 00-2080</b>			<b>Push Bars</b> (08 71 11 00-2079)		
08 71 11 00-2081	EA		3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate.....	184.65	6.56
			Note: Up to 34" wide. All finishes.		
08 71 11 00-2082	EA		3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide.....	152.25	6.56
			<i>For Brass Push Bar, Add</i>	21.93	
08 71 11 00-2083	EA		1" Diameter Stainless Steel Push Bar, Up To 34" Wide.....	157.54	6.56
			<i>For Brass Push Bar, Add</i>	22.85	
08 71 11 00-2084	EA		1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide.....	288.88	6.56
			<i>For Brass Push Bar, Add</i>	45.70	
<b>08 71 11 00-2085</b>			<b>Push Plates</b> (08 71 11 00-2079)		
<b>08 71 11 00-2086</b>			<b>Aluminum Push Plates</b> (08 71 11 00-2085)		
<b>08 71 11 00-2087</b>			<b>Clear Anodized Finish, Aluminum Push Plates</b> (08 71 11 00-2086)		
			Note: Ives 8200 Series.		
08 71 11 00-2088	EA		3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware.....	35.56	6.56
08 71 11 00-2089	EA		4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware.....	35.56	6.56
08 71 11 00-2090	EA		6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware.....	35.56	6.56
08 71 11 00-2091	EA		8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware.....	37.93	6.56
<b>08 71 11 00-2092</b>			<b>Stainless Steel Push Plates</b> (08 71 11 00-2085)		
<b>08 71 11 00-2093</b>			<b>Satin Finish, Stainless Steel Push Plates</b> (08 71 11 00-2092)		
			Note: Ives 8200 Series.		
08 71 11 00-2094	EA		3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware.....	35.56	6.56
08 71 11 00-2095	EA		4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	37.38	6.56
08 71 11 00-2096	EA		6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	41.54	6.56
08 71 11 00-2097	EA		8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	47.68	6.56
<b>08 71 11 00-2098</b>			<b>Brass Push Plates</b> (08 71 11 00-2085)		
<b>08 71 11 00-2099</b>			<b>Bright/Satin Brass Finish, Brass Push Plates</b> (08 71 11 00-2098)		
			Note: Ives 8200 Series.		
08 71 11 00-2100	EA		3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	41.12	6.56
08 71 11 00-2101	EA		4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	45.79	6.56
08 71 11 00-2102	EA		6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	57.04	6.56
08 71 11 00-2103	EA		8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	64.43	6.56
<b>08 71 11 00-2104</b>			<b>Bright/Satin Chrome Finish, Brass Push Plates</b> (08 71 11 00-2098)		
			Note: Ives 8200 Series.		
08 71 11 00-2105	EA		3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware.....	44.85	6.56
08 71 11 00-2106	EA		4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware.....	48.65	6.56
08 71 11 00-2107	EA		6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware.....	58.95	6.56



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2108	EA		8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware .....	69.11	6.56
<b>08 71 11 00-2109</b>			<b>Satin/Dark Bronze Finish, Brass Push Plates</b> (08 71 11 00-2098)		
			Note: Ives 8200 Series.		
08 71 11 00-2110	EA		3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	44.85	6.56
08 71 11 00-2111	EA		4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	48.65	6.56
08 71 11 00-2112	EA		6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	60.77	6.56
08 71 11 00-2113	EA		8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	70.12	6.56
<b>08 71 11 00-2114</b>			<b>Satin Nickel Finish, Brass Push Plates</b> (08 71 11 00-2098)		
			Note: Ives 8200 Series.		
08 71 11 00-2115	EA		3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware .....	44.85	6.56
08 71 11 00-2116	EA		4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware .....	49.60	6.56
08 71 11 00-2117	EA		6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware .....	63.65	6.56
08 71 11 00-2118	EA		8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware .....	73.00	6.56
<b>08 71 11 00-2119</b>			<b>Anti-Vandal Pull</b> (08 71 11 00-2079)		
08 71 11 00-2120	EA		Anti-Vandal Pull With Astragal (Trimco 1096HA) .....	210.37	13.11
08 71 11 00-2121	EA		Anti-Vandal Pull Without Astragal (Trimco 1097HA) .....	210.37	13.11
<b>08 71 11 00-2122</b>			<b>Exit Devices</b> (08 71 11)		
<b>08 71 11 00-2123</b>			<b>Push Bar Exit Device, Von Duprin Series 22</b> (08 71 11 00-2122)		
			Note: Grade 1, BHMA 156.3.		
08 71 11 00-2124	EA		3' Push Bar, Rim Type, Exit Device .....	644.78	117.97
			Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22.		
			For 4' Push Bar, Add	13.00	
08 71 11 00-2125	EA		3' Push Bar, Fire Rated, Rim Type, Exit Device .....	710.11	117.97
			Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22-F.		
			For 4' Push Bar, Add	13.00	
08 71 11 00-2126	EA		3' Push Bar, Surface Vertical Rods, Exit Device .....	919.18	141.57
			Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227.		
			For 4' Push Bar, Add	13.00	
08 71 11 00-2127	EA		3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device .....	1,081.90	131.08
			Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227-F.		
			For 4' Push Bar, Add	13.00	
08 71 11 00-2128	EA		Dummy Trim (Von Duprin Series 22, 210DT) .....	89.35	19.66
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2129	EA		Night Latch Trim With Cylinder (Von Duprin Series 22, 210NL) .....	190.18	26.21
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2130	EA		Knob Trim With Cylinder (Von Duprin Series 22, 210K) .....	345.18	39.33
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2131	EA		Lever Trim With Cylinder (Von Duprin Series 22, 230L) .....	342.17	39.33
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2132	EA		Thumbpiece Trim With Cylinder (Von Duprin Series 22, 230TP) .....	341.42	39.33
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2133	EA		Blank Escutcheon Knob (Von Duprin Series 22, 210K-BE) .....	271.35	39.33
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2134	EA		Exit Only Trim Plate (Von Duprin Series 22, 230E) .....	109.75	15.74
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2135	EA		Dummy Trim (Von Duprin Series 22, 230DT) .....	127.76	19.66
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2136	EA		Night Latch Trim With Cylinder (Von Duprin Series 22, 230NL) .....	230.11	26.21
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2137	EA		Blank Escutcheon Lever (Von Duprin Series 22, 230L-BE) .....	268.35	39.33
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2138	EA		Blank Escutcheon Thumbpiece (Von Duprin Series 22, 230TP-BE) .....	267.59	39.33
			Note: Anodized finish: aluminum or dark brown.		
<b>08 71 11 00-2139</b>			<b>Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35</b> (08 71 11 00-2122)		
			Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 11 00-2140	EA		3' Push Bar, Rim Type, Narrow Stile Exit Device .....	1,154.58	117.97
			Note: Aluminum anodized finish. Von Duprin Series 33/35.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	86.01	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	165.05	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	31.92	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	245.27	
			For Accessible Device (AX), Add	84.00	
08 71 11 00-2141	EA		3' Push Bar, Surface Vertical Rods, Narrow Stile Exit Device .....	1,558.76	141.57
			Note: Aluminum anodized finish. Von Duprin Series 3327/3527.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	120.96	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	232.11	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	44.89	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	344.92	
			For Accessible Device (AX), Add	118.12	

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2142	EA		3' Push Bar, Fire Rated, Surface Vertical Rods, Narrow Stile Exit Device ..... Note: Aluminum anodized finish. Von Duprin Series 3327-F/3527-F.	1,587.38	141.57
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	123.89	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	237.74	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	45.97	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	353.28	
			For Accessible Device (AX), Add	120.99	
08 71 11 00-2143	EA		3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device ..... Note: Aluminum anodized finish. Von Duprin Series 3347/3547.	1,626.98	162.54
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	122.04	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	234.18	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	45.29	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	348.00	
			For Accessible Device (AX), Add	119.18	
08 71 11 00-2144	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device ..... Note: Aluminum anodized finish. Von Duprin Series 3347-F/3547-F.	1,700.80	162.54
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	129.60	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	248.69	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	48.09	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	369.56	
			For Accessible Device (AX), Add	126.56	
08 71 11 00-2145	EA		3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device ..... Note: Aluminum anodized finish. Von Duprin Series 3348/3548.	1,804.01	162.54
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	140.17	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	268.97	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	52.01	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	399.69	
			For Accessible Device (AX), Add	136.88	
08 71 11 00-2146	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device ..... Note: Aluminum anodized finish. Von Duprin Series 3348-F/3548-F.	1,877.83	162.54
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	147.73	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	283.48	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	54.82	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	421.25	
			For Accessible Device (AX), Add	144.26	
08 71 11 00-2147	EA		Dummy Trim (Von Duprin Series 33/35, DT) ..... Note: Anodized finish: aluminum or dark brown.	254.32	19.66
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	39.67	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	7.67	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	58.95	
08 71 11 00-2148	EA		Night Latch With Cylinder, Less Pull (Von Duprin Series 33/35, NL-OP) ..... Note: Anodized finish: aluminum or dark brown.	322.01	26.21
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	48.85	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.45	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	72.59	
08 71 11 00-2149	EA		Night Latch With Cylinder (Von Duprin Series 33/35, NL) ..... Note: Anodized finish: aluminum or dark brown.	503.56	26.21
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	84.52	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.35	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	125.60	
08 71 11 00-2150	EA		Lever Trim With Cylinder (Von Duprin Series 33/35, 360L) ..... Note: Anodized finish: aluminum or dark brown.	633.71	39.33
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	103.92	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	20.10	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	154.42	
08 71 11 00-2151	EA		Blank Escutcheon Lever With Cylinder (Von Duprin Series 33/35, 360L-BE) ..... Note: Anodized finish: aluminum or dark brown.	609.60	39.33
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	99.18	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	19.18	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	147.38	
08 71 11 00-2152	EA		Lever Dummy Trim With Cylinder (Von Duprin Series 33/35, 360L-DT) ..... Note: Anodized finish: aluminum or dark brown.	598.30	39.33
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	96.96	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	18.75	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	144.08	
08 71 11 00-2153	EA		Thumbturn Trim With Cylinder (Von Duprin Series 33/35, 360T) ..... Note: Anodized finish: aluminum or dark brown.	603.58	39.33
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	98.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	18.95	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	145.62	

08 71 11 00-2154 Push Bar Exit Device, Von Duprin Series 98/99<sup>(08 71 11 00-2122)</sup>

Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2155	EA		3' Push Bar, Rim Type, Exit Device (Von Duprin Series 98/99)..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,029.53	117.97
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	43.61	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	69.35	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	110.81	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	226.63	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	71.49	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	105.09	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
			For Special Center Case Dogging (SD), Add	199.49	
			For Cylinder Dogging Indicator (CI), Add	132.78	
			For Dogging Indicator (DI), Add	121.99	
			For Accessible Device (AX), Add	71.49	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2156	EA		3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 98-F/99-F)..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,154.58	117.97
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	51.24	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	81.48	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	130.20	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	266.27	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	84.00	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	123.48	
			For Accessible Device (AX), Add	84.00	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2157	EA		3' Push Bar, Rim Type, Exit Device (Von Duprin Series XP98/XP99)..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,113.14	117.97
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	48.71	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	77.46	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	123.77	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	253.13	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	79.85	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	117.38	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
			For Special Center Case Dogging (SD), Add	199.49	
			For Cylinder Dogging Indicator (CI), Add	132.78	
			For Dogging Indicator (DI), Add	121.99	
			For Accessible Device (AX), Add	79.85	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2158	EA		3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series XP98-F/XP99-F)..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,235.18	117.97
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	56.15	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	89.30	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	142.69	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	291.82	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	92.06	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	135.32	
			For Accessible Device (AX), Add	92.06	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2159	EA		3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 9827/9927)..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,445.01	141.57
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	65.12	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	103.55	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	165.46	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	338.39	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	106.75	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	156.92	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
			For Special Center Case Dogging (SD), Add	199.49	
			For Cylinder Dogging Indicator (CI), Add	132.78	
			For Dogging Indicator (DI), Add	121.99	
			For Accessible Device (AX), Add	106.75	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2160	EA		3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 9827-F/9927-F)..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,614.51	141.57
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	75.46	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	119.99	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	191.73	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	392.12	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	123.70	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	181.84	
			For Accessible Device (AX), Add	123.70	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-2161	EA 3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847/9947) .....	1,530.55	162.54
	Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
	For 4' Push Bar, Add	13.00	
	For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	101.87	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	106.25	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	169.78	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	347.23	
	For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	109.54	
	For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	161.02	
	For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
	For Special Center Case Dogging (SD), Add	199.49	
	For Cylinder Dogging Indicator (CI), Add	132.78	
	For Dogging Indicator (DI), Add	121.99	
	For Accessible Device (AX), Add	109.54	
	For Quiet Electric Latch Retraction (QEL), Add	461.68	
	For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
	For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2162	EA 3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847-F/9947-F).....	1,703.82	162.54
	Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
	For 4' Push Bar, Add	13.00	
	For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	117.98	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	123.06	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	196.64	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	402.15	
	For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	126.86	
	For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	186.49	
	For Accessible Device (AX), Add	126.86	
	For Quiet Electric Latch Retraction (QEL), Add	461.68	
	For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
	For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2163	EA 3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848/9948) .....	1,707.58	162.54
	Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
	For 4' Push Bar, Add	13.00	
	For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	118.33	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	123.42	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	197.22	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	403.34	
	For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	127.24	
	For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	187.04	
	For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
	For Special Center Case Dogging (SD), Add	199.49	
	For Cylinder Dogging Indicator (CI), Add	132.78	
	For Dogging Indicator (DI), Add	121.99	
	For Accessible Device (AX), Add	127.24	
	For Quiet Electric Latch Retraction (QEL), Add	461.68	
	For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
	For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2164	EA 3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848-F/9948-F).....	1,880.85	162.54
	Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
	For 4' Push Bar, Add	13.00	
	For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	134.45	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	140.23	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	224.08	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	458.27	
	For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	144.57	
	For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	212.51	
	For Accessible Device (AX), Add	144.57	
	For Quiet Electric Latch Retraction (QEL), Add	461.68	
	For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
	For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2165	EA 3' Push Bar, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC/9947WDC).....	1,656.35	162.54
	Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
	For 4' Push Bar, Add	13.00	
	For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	113.57	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	118.45	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	189.28	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	387.10	
	For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	122.12	
	For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	179.51	
	For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
	For Special Center Case Dogging (SD), Add	199.49	
	For Cylinder Dogging Indicator (CI), Add	132.78	
	For Dogging Indicator (DI), Add	121.99	
	For Accessible Device (AX), Add	122.12	
	For Quiet Electric Latch Retraction (QEL), Add	461.68	
	For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
	For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2166	EA 3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC-F/9947WDC-F).....	1,851.47	162.54
	Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
	For 4' Push Bar, Add	13.00	
	For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	131.71	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	137.38	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	219.52	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	448.96	
	For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	141.63	
	For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	208.19	
	For Accessible Device (AX), Add	141.63	
	For Quiet Electric Latch Retraction (QEL), Add	461.68	
	For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
	For Safety Glow Touchpad, Add	222.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2167	EA		3' Push Bar, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857/9957) .....1,774.97		141.57
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	85.24	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	135.55	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	216.60	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	442.99	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	139.74	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	205.42	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
			For Special Center Case Dogging (SD), Add	199.49	
			For Cylinder Dogging Indicator (CI), Add	132.78	
			For Dogging Indicator (DI), Add	121.99	
			For Accessible Device (AX), Add	139.74	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2168	EA		3' Push Bar, Fire Rated, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857-F/9957-F).....1,887.22		141.57
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	92.09	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	146.44	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	234.00	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	478.57	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	150.97	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	221.92	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
			For Special Center Case Dogging (SD), Add	199.49	
			For Cylinder Dogging Indicator (CI), Add	132.78	
			For Dogging Indicator (DI), Add	121.99	
			For Accessible Device (AX), Add	150.97	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2169	EA		3' Push Bar, Mortise Lock, Exit Device (Von Duprin Series 9875/9975) .....1,438.13		146.82
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	38.66	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	101.35	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	161.96	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	331.23	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	104.49	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	153.60	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
			For Special Center Case Dogging (SD), Add	199.49	
			For Cylinder Dogging Indicator (CI), Add	132.78	
			For Dogging Indicator (DI), Add	121.99	
			For Accessible Device (AX), Add	104.49	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2170	EA		3' Push Bar, Fire Rated, Mortise Lock, Exit Device (Von Duprin Series 9875-F/9975-F).....1,565.44		146.82
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	43.37	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	113.70	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	181.69	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	371.58	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	117.22	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	172.31	
			For Accessible Device (AX), Add	117.22	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2171	EA		3' Push Bar, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849/9949) .....1,584.03		162.54
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	106.84	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	111.44	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	178.07	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	364.18	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	114.88	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	168.88	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
			For Special Center Case Dogging (SD), Add	199.49	
			For Cylinder Dogging Indicator (CI), Add	132.78	
			For Dogging Indicator (DI), Add	121.99	
			For Accessible Device (AX), Add	114.88	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2172	EA	3'	Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device(Von Duprin Series 9849-F/9949-F).....	1,710.59	162.54
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	118.61	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	123.71	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	197.69	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	404.30	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	127.54	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	187.48	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
			For Special Center Case Dogging (SD), Add	199.49	
			For Cylinder Dogging Indicator (CI), Add	132.78	
			For Dogging Indicator (DI), Add	121.99	
			For Accessible Device (AX), Add	127.54	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2173	EA	3'	Push Bar, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC/9949WDC).....	1,715.11	162.54
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	119.03	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	124.15	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	198.39	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	405.73	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	127.99	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	188.15	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
			For Special Center Case Dogging (SD), Add	199.49	
			For Cylinder Dogging Indicator (CI), Add	132.78	
			For Dogging Indicator (DI), Add	121.99	
			For Accessible Device (AX), Add	127.99	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2174	EA	3'	Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC-F/9949WDC-F).....	1,941.11	162.54
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	140.05	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	146.07	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	233.42	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	477.37	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	150.59	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	221.37	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
			For Special Center Case Dogging (SD), Add	199.49	
			For Cylinder Dogging Indicator (CI), Add	132.78	
			For Dogging Indicator (DI), Add	121.99	
			For Accessible Device (AX), Add	150.59	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2175	EA	3'	Push Bar, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98/CX99) .....	2,177.30	136.33
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	280.59	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	573.85	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	181.03	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	67.34	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	75.67	
			For Center Case Dogging (CD-CX), Add	215.37	
			For Accessible Device (AX), Add	181.03	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2176	EA	3'	Push Bar, Fire Rated, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98-F/CX99-F).....	2,302.36	136.33
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	299.97	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	613.50	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	193.53	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	71.99	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	80.90	
			For Accessible Device (AX), Add	193.53	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2177	EA	3'	Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875/CX9975).....	2,596.39	167.79
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	331.73	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	678.45	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	214.02	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	79.62	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	89.46	
			For Center Case Dogging (CD-CX), Add	215.37	
			For Accessible Device (AX), Add	214.02	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2178	EA		3' Push Bar, Fire Rated, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875-F/CX9975-F).....	2,723.71	167.79
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	351.47	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	718.81	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	226.75	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	84.35	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	94.78	
			For Accessible Device (AX), Add	226.75	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2179	EA		3' Push Bar, Electric Latch Retraction, Exit Device (Von Duprin Series E98/E99).....	1,439.04	136.33
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	166.16	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	339.82	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	107.20	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	39.88	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	61.53	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
			For Special Center Case Dogging (SD), Add	199.49	
			For Dogging Indicator (DI), Add	121.99	
			For Accessible Device (AX), Add	107.20	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2180	EA		3' Push Bar, Fire Rated, Electric Latch Retraction, Exit Device (Von Duprin Series E98-F/E99-F).....	1,564.09	136.33
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	185.54	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	379.46	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	119.71	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	44.53	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	68.71	
			For Accessible Device (AX), Add	119.71	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2181	EA		3' Push Bar, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875/E9975).....	1,858.13	167.79
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	217.30	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	444.42	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	140.20	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	52.15	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	80.47	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
			For Special Center Case Dogging (SD), Add	199.49	
			For Dogging Indicator (DI), Add	121.99	
			For Accessible Device (AX), Add	140.20	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2182	EA		3' Push Bar, Fire Rated, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F).....	1,985.44	167.79
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	237.04	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	484.78	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	152.93	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	56.89	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	87.78	
			For Accessible Device (AX), Add	152.93	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2183	EA		Exit Only Trim Plate (Von Duprin Series 98/99, EO).....	122.00	15.74
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	2.40	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	3.60	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	13.61	
08 71 11 00-2184	EA		Dummy Trim (Von Duprin Series 98/99, 990DT).....	176.95	19.66
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	3.74	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	5.60	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	21.17	
08 71 11 00-2185	EA		Night Latch Pull Trim With 110NL Cylinder (Von Duprin Series 98/99, 990NL).....	280.65	26.21
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.22	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.33	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	35.23	
08 71 11 00-2186	EA		Night Latch Pull Trim Without Cylinder (Von Duprin Series 98/99, 990NL).....	206.83	26.21
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	4.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	6.00	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	22.68	
08 71 11 00-2187	EA		Lever Trim With 110NL Cylinder (Von Duprin Series 98/99, 996L).....	466.49	39.33
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	10.85	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.27	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	61.48	
			For Electric Unlocking (E), Add	487.15	

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2188	EA		Lever Trim Without Cylinder (Von Duprin Series 98/99, 996L) ..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Electric Unlocking (E), Add	392.67 8.63 12.95 48.93 487.15	39.33
08 71 11 00-2189	EA		Blank Escutcheon, Lever ((Von Duprin Series 98/99, 996L-BE)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	392.67 8.63 12.95 48.93	39.33
08 71 11 00-2190	EA		Night Latch, Lever With 110NL Cylinder (Von Duprin Series 98/99, 996L-NL) ..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Electric Unlocking (E), Add	402.96 8.94 13.41 50.68 487.15	39.33
08 71 11 00-2191	EA		Night Latch, Lever Without Cylinder (Von Duprin Series 98/99, 996L-NL)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Electric Unlocking (E), Add	329.13 6.73 10.09 38.12 487.15	39.33
08 71 11 00-2192	EA		Lever Dummy Trim (Von Duprin Series 98/99, 996L-DT)) ..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	329.13 6.73 10.09 38.12	39.33
08 71 11 00-2193	EA		Knob Trim With 110NL Cylinder (Von Duprin Series 98/99, K) ..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	392.80 8.64 12.96 48.95	39.33
08 71 11 00-2194	EA		Knob Trim Without Cylinder (Von Duprin Series 98/99, K)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	318.98 6.42 9.63 36.40	39.33
08 71 11 00-2195	EA		Blank Escutcheon, Knob (Von Duprin Series 98/99, K-BE) ..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	318.98 6.42 9.63 36.40	39.33
08 71 11 00-2196	EA		Night Latch, Knob With 110NL Cylinder (Von Duprin Series 98/99, K-NL) ..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	387.08 8.47 12.70 47.98	39.33
08 71 11 00-2197	EA		Night Latch, Knob Without Cylinder (Von Duprin Series 98/99, K-NL) ..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	313.26 6.25 9.38 35.43	39.33
08 71 11 00-2198	EA		Dummy Trim For Knob Without Cylinder (Von Duprin Series 98/99, K-DT) ..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	313.26 6.25 9.38 35.43	39.33
08 71 11 00-2199	EA		Thumbpiece Trim With 110NL Cylinder (Von Duprin Series 98/99, TP)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	355.95 7.53 11.30 42.68	39.33
08 71 11 00-2200	EA		Thumbpiece Trim Without Cylinder (Von Duprin Series 98/99, TP) ..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	282.12 5.32 7.98 30.13	39.33
08 71 11 00-2201	EA		Blank Escutcheon, Thumbpiece (Von Duprin Series 98/99, T-BE) ..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	282.12 5.32 7.98 30.13	39.33
08 71 11 00-2202	EA		Push/Pull Hospital Latch Trim With 110NL Cylinder (Von Duprin Series 98/99, HL)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	302.24 5.92 8.88 33.55	39.33
08 71 11 00-2203			Option And Kits For Series 22, 33, 35, 98 Or 99 <small>(08 71 11 00-2122)</small>		
08 71 11 00-2204	EA		Alarm Kit With Switch And 9 Volt Battery Back-up.....	761.01	39.33
08 71 11 00-2205	EA		4 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914)..... For Battery Backup (Includes Board And 2 Batteries), Add For Fire Alarm Interface, Add For 2 Relay Panic Device Control Board, Add For 2 Relay Quiet Electric Latch Panic Device Control Board, Add For 4 Relay Output Board, Add For 4 Relay Logic Board, Add For Fused 8 Zone Distribution Board, Add	548.05 56.01 28.00 64.97 76.17 62.73 172.04 22.40	39.33
08 71 11 00-2206	EA		Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10).....	513.64	39.33



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2207	EA		2 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS902).....	295.03	39.33
			<i>For Battery Backup (Includes Board And 2 Batteries), Add</i>	56.01	
			<i>For Fire Alarm Interface, Add</i>	28.00	
			<i>For 2 Relay Quiet Electric Latch Panic Device Control Board, Add</i>	76.17	
			<i>For 4 Relay Output Board, Add</i>	62.73	
			<i>For 4 Relay Logic Board, Add</i>	172.04	
			<i>For Fused 8 Zone Distribution Board, Add</i>	22.40	
08 71 11 00-2208	EA		4 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS904).....	463.31	39.33
			<i>For Battery Backup (Includes Board And 2 Batteries), Add</i>	56.01	
			<i>For Fire Alarm Interface, Add</i>	28.00	
			<i>For 2 Relay Quiet Electric Latch Panic Device Control Board, Add</i>	76.17	
			<i>For 4 Relay Output Board, Add</i>	62.73	
			<i>For 4 Relay Logic Board, Add</i>	172.04	
			<i>For Fused 8 Zone Distribution Board, Add</i>	22.40	
08 71 11 00-2209	EA		6 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS906).....	541.41	39.85
			<i>For Owner Furnished Material, Deduct</i>	-436.54	
08 71 11 00-2210	EA		4 Amperes (3 Amperes Wet) Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914 x 900-2RS).....	592.84	39.85
			<i>For Owner Furnished Material, Deduct</i>	-487.97	
08 71 11 00-2211	EA		Request to Exit Push Pad Monitor Switch (RX) .....	173.77	26.21

**08 71 11 00-2212 Removable Verticals, Mullions (Von Duprin)** (08 71 11 00-2122)

08 71 11 00-2213	EA		7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72).....	451.40	26.21
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-346.53	
08 71 11 00-2214	EA		8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82).....	478.52	26.21
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-373.65	
08 71 11 00-2215	EA		10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102).....	771.05	26.21
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-666.18	
08 71 11 00-2216	EA		7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76).....	761.65	31.46
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-635.81	
08 71 11 00-2217	EA		8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86).....	788.77	31.46
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-662.93	
08 71 11 00-2218	EA		10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106).....	848.29	31.46
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-722.45	
08 71 11 00-2219	EA		7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73).....	641.24	26.21
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-536.37	
08 71 11 00-2220	EA		8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83).....	669.12	26.21
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-564.25	
08 71 11 00-2221	EA		10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103).....	725.62	26.21
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-620.75	
08 71 11 00-2222	EA		7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75).....	980.87	31.46
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-855.03	
08 71 11 00-2223	EA		8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85).....	1,008.75	31.46
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-882.91	
08 71 11 00-2224	EA		10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105).....	1,884.65	31.46
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-1,758.81	
08 71 11 00-2225	EA		Mullion Stabilizer Set (Von Duprin 154) .....	98.45	20.97
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-56.50	

**08 71 11 00-2226 Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55** (08 71 11 00-2122)

Note: Grade 1, BHMA 156.3.					
08 71 11 00-2227	EA		42" Crossbar Exit Device, Rim Type, Narrow Stile.....	1,753.48	117.97
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	181.30	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	208.64	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	274.82	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	299.28	
08 71 11 00-2228	EA		42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile .....	2,263.55	162.54
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	230.37	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	265.11	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	349.21	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	380.30	
08 71 11 00-2229	EA		42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated.....	2,467.70	162.54
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	256.10	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	294.71	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	388.21	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	422.76	
08 71 11 00-2230	EA		42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile .....	2,314.02	162.54
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	236.73	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	272.43	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	358.85	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	390.79	

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2231	EA		42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated.....	2,512.14	162.54
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	261.69	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	301.16	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	396.70	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	432.00	
08 71 11 00-2232	EA		42" Crossbar Exit Device, Mortise Lock, Narrow Stile.....	1,765.82	146.82
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	172.94	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	199.02	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	262.16	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	285.49	
08 71 11 00-2233	EA		42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated .....	1,899.16	146.82
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	189.74	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	218.36	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	287.63	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	313.23	
08 71 11 00-2234	EA		Dummy Trim (DT) Pull Bracket, Von Duprin Series 55 .....	300.28	19.66
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	31.23	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	35.94	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	47.34	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	51.55	
08 71 11 00-2235	EA		Cylinder Assembly, Von Duprin Series 55 .....	143.47	27.79
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	8.83	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	10.16	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	13.38	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	14.57	
08 71 11 00-2236	EA		Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55.....	504.32	27.79
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	54.29	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	62.48	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	82.30	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	89.63	
08 71 11 00-2237	EA		Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55.....	544.82	39.33
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	55.43	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	63.79	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	84.03	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	91.51	
08 71 11 00-2238	EA		Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55.....	446.88	39.33
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	43.09	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	49.59	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	65.32	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	71.14	
08 71 11 00-2239	EA		Lever Trim (371L) With Cylinder, Von Duprin Series 55 .....	544.82	39.33
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	55.43	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	63.79	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	84.03	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	91.51	
08 71 11 00-2240	EA		Lever Trim (575L) With Cylinder, Von Duprin Series 55 .....	624.67	39.33
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	65.49	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	75.37	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	99.28	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	108.12	
08 71 11 00-2241			<b>Cross Bar Exit Device, Von Duprin Series 88</b> (08 71 11 00-2122)		
			Note: Grade 1, BHMA 156.3.		
08 71 11 00-2242	EA		42" Crossbar, Rim Type, Exit Device .....	1,130.47	117.97
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	25.29	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	26.11	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	222.73	
08 71 11 00-2243	EA		42" Crossbar, Fire Rated, Rim Type, Exit Device .....	1,310.52	117.97
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	30.87	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	31.87	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	271.88	
08 71 11 00-2244	EA		42" Crossbar, Surface Vertical Rods, Exit Device.....	1,457.81	141.57
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	33.49	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	34.57	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	294.92	
08 71 11 00-2245	EA		42" Crossbar, Fire Rated, Surface Vertical Rods, Exit Device .....	1,847.28	141.57
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	45.56	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	47.03	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	401.24	
08 71 11 00-2246	EA		42" Crossbar, Concealed Vertical Rods, Exit Device .....	1,417.47	162.54
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	30.45	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	31.43	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	268.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2247	EA		42" Crossbar, Fire Rated, Concealed Vertical Rods, Exit Device ..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,771.62 41.43 42.77 364.84	162.54
08 71 11 00-2248	EA		42" Crossbar, Mortise Lock, Exit Device ..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,508.18 34.56 35.68 304.38	146.82
08 71 11 00-2249	EA		42" Crossbar, Fire Rated, Mortise Lock, Exit Device ..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,600.09 37.41 38.62 329.47	146.82
08 71 11 00-2250	EA		Dummy Trim (Von Duprin Series 88, DT) ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	171.46 3.69 3.81 32.50	19.66
08 71 11 00-2251	EA		Night Latch Pull Trim With Cylinder (Von Duprin Series 88, NL)..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	273.04 6.19 6.39 54.50	26.21
08 71 11 00-2252	EA		Thumbturn Trim With Cylinder (Von Duprin Series 88, 376T Or 377T)..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	470.99 11.35 11.72 99.95	39.33
08 71 11 00-2253	EA		Lever Trim With Cylinder (Von Duprin Series 88, 373L) ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	440.86 10.42 10.75 91.73	39.33
08 71 11 00-2254	EA		Knob Trim With Cylinder (Von Duprin Series 88, K) ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	339.16 7.26 7.50 63.96	39.33
08 71 11 00-2255	EA		Thumbpiece Trim With Cylinder (Von Duprin Series 88, TP)..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	339.16 7.26 7.50 63.96	39.33
<b>08 71 11 00-2256</b>			<b>Push Bar Exit Device, Precision Hardware Apex 2000 Series (08 71 11 00-2122)</b> Note: Grade 1, BHMA 156.3. Anodized Aluminum Finish.		
08 71 11 00-2257	EA		3' Push Bar Exit Device, Rim Type (Precision Hardware 2100 Series)..... For 4' Push Bar, Add For Owner Furnished Material, Deduct	1,191.26 13.00 -876.65	117.97
08 71 11 00-2258	EA		3' Push Bar Exit Device, Rim Type, Fire Rated (Precision Hardware 2100 Series)..... For 4' Push Bar, Add For Owner Furnished Material, Deduct	1,251.49 13.00 -936.88	117.97
08 71 11 00-2259	EA		3' Push Bar Exit Device, Surface Vertical Rod (Top Only) (Precision Hardware 2200 Series) ..... For 4' Push Bar, Add For Owner Furnished Material, Deduct	1,614.82 13.00 -1,237.29	141.57
08 71 11 00-2260	EA		3' Push Bar Exit Device, Surface Vertical Rod (Top Only), Fire Rated (Precision Hardware 2200 Series)..... For 4' Push Bar, Add For Owner Furnished Material, Deduct	1,675.06 13.00 -1,297.53	141.57
08 71 11 00-2261	EA		Exit Only, Cover Plate, Lever/Knob Trim (Precision 4901)..... For Owner Furnished Material, Deduct	146.58 -104.63	15.74
08 71 11 00-2262	EA		Exit Only, Dummy Trim, Lever/Knob Trim (Precision 4902A) ..... For Owner Furnished Material, Deduct	370.27 -317.84	19.66
08 71 11 00-2263	EA		Key Retracts Latchbolt, Lever/Knob Trim (Precision 4903A) ..... For Owner Furnished Material, Deduct	422.71 -317.84	39.33
08 71 11 00-2264	EA		Key Controls Lever/Knob, Lever/Knob Trim (Precision 4908A) ..... For Owner Furnished Material, Deduct	501.98 -397.11	39.33
08 71 11 00-2265	EA		Key Controls Lever, Lever/Knob Trim (Precision V4908A) ..... For Owner Furnished Material, Deduct	501.98 -397.11	39.33
08 71 11 00-2266	EA		Lever/Knob Always Active, Lever/Knob Trim (Precision 4914A) ..... For Owner Furnished Material, Deduct	501.98 -397.11	39.33
08 71 11 00-2267	EA		Exit Only, Cover Plate, Pull Trim (Precision 1701)..... For Owner Furnished Material, Deduct	111.69 -69.74	15.74
08 71 11 00-2268	EA		Exit Only, Dummy Trim, Pull Trim (Precision 1702A)..... For Owner Furnished Material, Deduct	225.22 -172.79	19.66
08 71 11 00-2269	EA		Key Retracts Latchbolt, Pull Trim (Precision 1703A) ..... For Owner Furnished Material, Deduct	246.20 -172.79	26.21
08 71 11 00-2270	EA		Key Controls Thumb Piece, Pull Trim (Precision 1705A)..... For Owner Furnished Material, Deduct	347.41 -242.54	39.33
08 71 11 00-2271	EA		Thumb Piece Always Active, Pull Trim (Precision 1715A) ..... For Owner Furnished Material, Deduct	347.41 -242.54	39.33
<b>08 71 11 00-2272</b>			<b>Push Bar Exit Device, Stanley (08 71 11 00-2122)</b>		
08 71 11 00-2273	EA		Electric Rim Device With Lever (Stanley Percision ELR-TS2108 x 4908A).....	2,128.61	

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 71 11 00-2274		<b>Door Closers</b> (08 71 11) Note: Includes standard cover and arm.			
08 71 11 00-2275	EA	Surface Mounted Standard Duty Door Closer (LCN 1460 Series) .....	394.42		30.41
		For Delayed Action, Add	12.60		
		For AVB (5 LB Per Push), Add	6.60		
		For Fusible Link Arm, Add	39.60		
		For Shock Absorbing Arm, Add	19.80		
		For Hold Open Arm, Add	13.80		
		For Plated Brass Finish, Add	101.40		
		For Plated Finish With Clear Coat, Add	127.20		
		For Parallel Arm, Add	22.40		
08 71 11 00-2276	EA	Surface Mounted Heavy Duty Door Closer (LCN 4010/4020/4110 Series) .....	475.04		30.41
		For Delayed Action, Add	12.60		
		For AVB (5 LB Per Push), Add	6.60		
		For Fusible Link Arm, Add	39.60		
		For Shock Absorbing Arm, Add	19.80		
		For Hold Open Arm, Add	13.80		
		For Plated Brass Finish, Add	101.40		
		For Plated Finish With Clear Coat, Add	127.20		
08 71 11 00-2277	EA	Surface Mounted Heavy Duty Door Closer (LCN 4040XP/4041 Series) .....	487.86		30.41
		For Delayed Action, Add	12.60		
		For AVB (5 LB Per Push), Add	6.60		
		For Fusible Link Arm, Add	39.60		
		For Shock Absorbing Arm, Add	19.80		
		For Hold Open Arm, Add	13.80		
		For Plated Brass Finish, Add	101.40		
		For Plated Finish With Clear Coat, Add	127.20		
		For Spring Cush Arm, Add	67.20		
		For Parallel Arm And PA Shoe, Add	22.40		
		For Stainless Steel Finish, Add	145.00		
08 71 11 00-2278	EA	Surface Mounted High Security Door Closer With Metal Cover (LCN 4510) .....	503.90		30.41
		For Delayed Action, Add	12.60		
		For AVB (5 LB Per Push), Add	6.60		
		For Fusible Link Arm, Add	39.60		
		For Shock Absorbing Arm, Add	19.80		
		For Hold Open Arm, Add	13.80		
		For Plated Brass Finish, Add	101.40		
		For Plated Finish With Clear Coat, Add	127.20		
08 71 11 00-2279	EA	Surface Mounted Standard Duty Door Closer (Norton 8301) .....	334.04		30.41
		For Parallel Arm, Add	22.40		
08 71 11 00-2280	EA	Surface Mounted Standard Duty Door Closer (Norton 8501) .....	336.74		30.41
		For Parallel Arm, Add	22.40		
08 71 11 00-2281	EA	Screen Door - Closer .....	44.48		11.41
08 71 11 00-2282	EA	Screen Door - Locking Handle .....	50.54		16.37
08 71 11 00-2283		<b>Concealed Door Closers</b> (08 71 11)			
08 71 11 00-2284	EA	Non Hold Open, Floor Concealed Door Closer (Rixson 27/28) .....	1,116.24		90.19
08 71 11 00-2285	EA	Selective Hold Open, Floor Concealed Door Closer (Rixson 27/27) .....	1,191.80		90.19
08 71 11 00-2286	EA	Concealed (In Door) Overhead Door Closer (LCN 3130) .....	561.30		36.70
		For Hold Open Arm, Add	13.80		
		For Plated Brass Finish, Add	101.40		
		For Plated Finish With Clear Coat, Add	127.20		
08 71 11 00-2287	EA	Concealed (In Frame) Overhead Door Closer (LCN 5010) .....	605.50		36.70
		For Delayed Action, Add	12.60		
		For Hold Open Arm, Add	13.80		
		For Plated Brass Finish, Add	101.40		
		For Plated Finish With Clear Coat, Add	127.20		
08 71 11 00-2288		<b>Locks And Latches</b> (08 71 11) Note: All locksets are supplied with knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.			
08 71 11 00-2289		<b>Locksmith Services</b> (08 71 11 00-2288)			
08 71 11 00-2290	EA	Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys .....	1.22		
		For >50, Deduct	-0.24		
08 71 11 00-2291	EA	Rekey Existing Cylinder To Match Existing Cylinders Or Master Key .....	125.89		
		For >5, Deduct	-12.59		
08 71 11 00-2292	EA	Removal And Replacement Of Cylinder With Owner Supplied Cylinder .....	125.89		
		For >5, Deduct	-12.59		
08 71 11 00-2293	EA	Removal And Replacement Of Cylinder With New Cylinder .....	138.90		
		Note: Excludes core.			
		For >5, Deduct	-12.59		
08 71 11 00-2294	EA	Open Locked Doors .....	125.89		
08 71 11 00-2295	EA	Install Owner Furnished Cores And Cylinders .....	52.82		
08 71 11 00-2296		<b>Mortise Locksets And Latchsets</b> (08 71 11 00-2288) Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.			
08 71 11 00-2297	EA	Passage/Closet F01 Mortise Latchset .....	627.84		26.21
		Note: Both sides always unlocked.			
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	17.26		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	15.69		
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	26.15		
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	184.61		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2298	EA		Bath/Bedroom Privacy F02/F19 Mortise Lockset..... Note: Locked with thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	744.04  21.09 19.18 31.96 225.63	26.21
08 71 11 00-2299	EA		Entrance/Office F04 Mortise Lockset..... Note: Locked with key outside and thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	826.23  23.80 21.64 36.07 254.64	26.21
08 71 11 00-2300	EA		Classroom F05 Mortise Lockset..... Note: Locked with key outside. Inside always unlocked. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Security Function (Double Cylinder) With Visual Indicator, Add	772.25  22.02 20.02 33.37 235.59 54.43	26.21
08 71 11 00-2301	EA		Storeroom/Closet F07 Mortise Lockset..... Note: Locked with key outside. Inside always unlocked. Fixed outside handle. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	772.25  22.02 20.02 33.37 235.59	26.21
08 71 11 00-2302	EA		Entrance F08 Mortise Lockset..... Note: Locked with key outside and thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	860.65  24.94 22.67 37.79 266.79	26.21
08 71 11 00-2303	EA		Dormitory/Exit F13 Mortise Lockset..... Note: Locked with key outside and thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	743.23  21.07 19.15 31.92 225.34	26.21
<b>08 71 11 00-2304</b>			<b>Locks And Latches</b> (08 71 11 00-2298)		
<b>08 71 11 00-2305</b>			<b>Preassembled Locks And Latches</b> (08 71 11 00-2304)		
08 71 11 00-2306	EA		Passage/Closet F36 Pre-Assembled Latchset (Corbin Russwin UT5210)..... Note: Both sides always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	1,139.40  31.82 53.04 374.44 197.30 -412.63	26.21
08 71 11 00-2307	EA		Bath/Bedroom Privacy F37 Pre-Assembled Lockset (Corbin Russwin UT5220)..... Note: Locked with push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	1,232.14  34.60 57.67 407.18 214.55 -448.71	26.21
08 71 11 00-2308	EA		Entrance/Office F41 Pre-Assembled Lockset (Corbin Russwin UT5261)..... Note: Locked with key outside and push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	1,398.43  39.59 65.99 465.88 245.48 -513.39	26.21
08 71 11 00-2309	EA		Classroom F42 Pre-Assembled Lockset (Corbin Russwin UT5255)..... Note: Locked with key outside. Inside always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	1,398.43  39.59 65.99 465.88 245.48 -513.39	26.21
08 71 11 00-2310	EA		Storeroom/Closet F44 Pre-Assembled Lockset (Corbin Russwin UT5257)..... Note: Locked with key outside. Inside always unlocked. Fixed outside handle. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	1,398.43  39.59 65.99 465.88 245.48 -513.39	26.21
<b>08 71 11 00-2311</b>			<b>Bored Locks And Latches</b> (08 71 11 00-2304)		
08 71 11 00-2312	EA		Passage/Closet F75 Bored Latchset..... Note: Both sides always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	226.26  3.64 6.07 42.85 22.58 -6.07 2.43 9.45	26.21

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-2313	EA	Bath/Bedroom Privacy F76 Bored Lockset .....	255.21		26.21
		Note: Locked with push button inside.			
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	4.51		
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	7.52		
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	53.07		
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	27.96		
		For Grade 2, Deduct	-7.52		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.01		
		For Interchangeable Core, Add	9.45		
08 71 11 00-2314	EA	Entrance/Office F82 Bored Lockset .....	278.55		26.21
		Note: Locked with key outside and push button inside.			
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	5.21		
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.68		
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	61.31		
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	32.30		
		For Grade 2, Deduct	-8.68		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.47		
		For Interchangeable Core, Add	9.45		
08 71 11 00-2315	EA	Classroom F84 Bored Lockset .....	278.55		26.21
		Note: Locked with key outside. Inside always unlocked.			
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	5.21		
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.68		
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	61.31		
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	32.30		
		For Grade 2, Deduct	-8.68		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.47		
		For Interchangeable Core, Add	9.45		
08 71 11 00-2316	EA	Storeroom/Closet F86 Bored Lockset .....	278.55		26.21
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.			
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	5.21		
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.68		
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	61.31		
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	32.30		
		For Grade 2, Deduct	-8.68		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.47		
		For Interchangeable Core, Add	9.45		
08 71 11 00-2317	EA	Corridor/Dormitory F90 Bored Lockset.....	278.55		26.21
		Note: Locked with key outside and push button inside.			
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	5.21		
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.68		
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	61.31		
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	32.30		
		For Grade 2, Deduct	-8.68		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.47		
		For Interchangeable Core, Add	9.45		
08 71 11 00-2318		<b>Other Locks</b> (08 71 11 00-2288)			
		Note: BHMA A156.5.			
08 71 11 00-2319	EA	Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421.....	771.74		136.33
08 71 11 00-2320	EA	Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461 .....	1,708.44		272.66
08 71 11 00-2321	EA	One Sided Deadbolt For Restroom Or Public Toilet.....	81.22		
		Note: No exterior plate.			
08 71 11 00-2322	EA	Firehose Extinguisher Cabinet Lock.....	72.76		
08 71 11 00-2323		<b>Pushbutton Combination Locks</b> (08 71 11 00-2288)			
08 71 11 00-2324		<b>Mechanical Pushbutton Combination Locks</b> (08 71 11 00-2323)			
		Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.			
08 71 11 00-2325		<b>Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series)</b>			
		(08 71 11 00-2324)			
		Note: Satin chrome or antique brass finish.			
08 71 11 00-2326	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series) .....	586.95		66.02
		For Bright Chrome Or Bright Brass Finish, Add	17.50		
08 71 11 00-2327	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series) .....	624.93		66.02
		For Bright Chrome Or Bright Brass Finish, Add	17.50		
08 71 11 00-2328	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series).....	640.12		66.02
		For Bright Chrome Or Bright Brass Finish, Add	17.50		
08 71 11 00-2329	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series).....	678.10		66.02
		For Bright Chrome Or Bright Brass Finish, Add	17.50		
08 71 11 00-2330	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series).....	651.52		66.02
		For Bright Chrome Or Bright Brass Finish, Add	17.50		
08 71 11 00-2331	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series) .....	689.50		66.02
		For Bright Chrome Or Bright Brass Finish, Add	17.50		
08 71 11 00-2332	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series).....	704.69		66.02
		For Bright Chrome Or Bright Brass Finish, Add	17.50		
08 71 11 00-2333	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series) .....	742.67		66.02
		For Bright Chrome Or Bright Brass Finish, Add	17.50		

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 71 11 00-2334</b>	<b>Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series)</b> <small>(08 71 11 00-2324)</small> Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.		
08 71 11 00-2335	EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	642.40	66.02
	<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
	<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2336	EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	672.79	66.02
	<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
	<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2337	EA Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	733.56	66.02
	<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
	<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2338	EA Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	756.35	66.02
	<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
	<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2339	EA Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	756.35	66.02
	<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
	<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2340	EA Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	718.36	66.02
	<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
	<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<b>08 71 11 00-2341</b>	<b>Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series)</b> <small>(08 71 11 00-2324)</small> Note: Satin chrome or antique brass finish.		
08 71 11 00-2342	EA Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	761.66	66.02
	<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2343	EA Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	784.45	66.02
	<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
<b>08 71 11 00-2344</b>	<b>Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470)</b> <small>(08 71 11 00-2324)</small> Note: Satin stainless, bright brass or antique brass finish.		
08 71 11 00-2345	EA Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series).....	368.93	66.02
08 71 11 00-2346	EA Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series).....	469.20	66.02
<b>08 71 11 00-2347</b>	<b>Electrical Pushbutton Combination Locks</b> <small>(08 71 11 00-2323)</small> Note: Privacy option limits access to privileged users (master codes).		
<b>08 71 11 00-2348</b>	<b>Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series)</b> <small>(08 71 11 00-2347)</small> Note: ANSI/BHMA Grade 1, Satin chrome finish. Includes 100 access codes and 1,000 audit events.		
08 71 11 00-2349	EA Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	605.94	66.02
	<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2350	EA Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	697.09	66.02
	<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2351	EA Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	719.88	66.02
	<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2352	EA Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	681.90	66.02
	<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2353	EA Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	643.92	66.02
	<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2354	EA Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	719.88	66.02
	<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2355	EA Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	735.08	66.02
	<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2356	EA Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	757.87	66.02
	<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2357	EA Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	719.88	66.02
	<i>For Satin Brass Finish, Add</i>	17.50	
<b>08 71 11 00-2358</b>	<b>Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series)</b> <small>(08 71 11 00-2347)</small> Note: ANSI/BHMA Grade 1, Satin chrome finish. Includes 300 access codes and 9,000 audit events.		

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2359	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series) .....	757.87	66.02
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	95.62	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2360	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	757.87	66.02
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	95.62	
			<i>Note: Excludes momentary contact switch.</i>		
<b>08 71 11 00-2361</b>			<b>Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series)</b> <small>(08 71 11 00-2347)</small>		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2362	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series) .....	875.61	66.02
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	95.62	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2363	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	875.61	66.02
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	95.62	
			<i>Note: Excludes momentary contact switch.</i>		
<b>08 71 11 00-2364</b>			<b>Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series)</b> <small>(08 71 11 00-2347)</small>		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2365	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	936.38	66.02
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	95.62	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2366	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series) .....	1,012.35	66.02
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	95.62	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2367	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,027.54	66.02
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	95.62	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2368	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series) .....	1,050.33	66.02
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	95.62	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2369	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,012.35	66.02
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	95.62	
			<i>Note: Excludes momentary contact switch.</i>		
<b>08 71 11 00-2370</b>			<b>Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series)</b> <small>(08 71 11 00-2347)</small>		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2371	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series) .....	1,297.21	66.02
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	95.62	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2372	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series) .....	1,373.17	66.02
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	95.62	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2373	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series) .....	1,388.37	66.02
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	95.62	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2374	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series) .....	1,411.16	66.02
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	95.62	
			<i>Note: Excludes momentary contact switch.</i>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2375	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,373.17	66.02
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	95.62	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2376			<b>Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series)</b> (08 71 11 00-2347)		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2377	EA		Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series).....	1,813.77	66.02
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	35.00	
08 71 11 00-2378			<b>Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series)</b> (08 71 11 00-2347)		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2379	EA		Twelve Button, Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series).....	1,164.27	66.02
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2380			<b>Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®)</b> (08 71 11 00-2347)		
08 71 11 00-2381	EA		Standard Software Implementation Kit (Kaba® E-Plex®).....	591.11	
08 71 11 00-2382	EA		Enterprise Software Implementation Kit (Kaba® E-Plex®).....	743.04	
08 71 11 00-2383	EA		E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®).....	970.93	
08 71 11 00-2384	EA		USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®).....	299.36	
08 71 11 00-2385	EA		High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series).....	90.22	
			<i>Note: Includes 4 C-cell battery pack.</i>		
08 71 11 00-2386	EA		12-24 Volt DC Power Interface Kit (Kaba® E-Plex® E5x00 Series).....	106.17	
08 71 11 00-2387			<b>Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series)</b> (08 71 11 00-2347)		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome finish.</i>		
08 71 11 00-2388	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	738.88	66.02
			<i>For Owner Furnished Material, Deduct</i>	-474.78	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2389	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	830.03	66.02
			<i>For Owner Furnished Material, Deduct</i>	-565.93	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2390	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	852.82	66.02
			<i>For Owner Furnished Material, Deduct</i>	-588.72	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2391	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	814.84	66.02
			<i>For Owner Furnished Material, Deduct</i>	-550.74	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2392	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	776.86	66.02
			<i>For Owner Furnished Material, Deduct</i>	-512.76	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2393	EA		Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	852.82	66.02
			<i>For Owner Furnished Material, Deduct</i>	-588.72	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2394	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	868.01	66.02
			<i>For Owner Furnished Material, Deduct</i>	-603.91	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2395	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	890.80	66.02
			<i>For Owner Furnished Material, Deduct</i>	-626.70	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2396	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	852.82	66.02
			<i>For Owner Furnished Material, Deduct</i>	-588.72	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2397			<b>Electrical Pushbutton Combination Locks (Schlage)</b> (08 71 11 00-2347)		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome finish.</i>		
08 71 11 00-2398	EA		Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D).....	770.19	65.54
			<i>For Owner Furnished Material, Deduct</i>	-508.02	
08 71 11 00-2399	EA		Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D).....	884.23	65.54
			<i>For Owner Furnished Material, Deduct</i>	-622.06	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-2400	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626).....	991.61		65.54
		<i>For Owner Furnished Material, Deduct</i>	-729.44		
08 71 11 00-2401	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626).....	1,280.43		65.54
		<i>For Owner Furnished Material, Deduct</i>	-1,018.26		
08 71 11 00-2402	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626).....	1,395.21		65.54
		<i>For Owner Furnished Material, Deduct</i>	-1,133.04		
08 71 11 00-2403	EA	Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626).....	1,529.99		65.54
		<i>For Owner Furnished Material, Deduct</i>	-1,267.82		
08 71 11 00-2404	EA	Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626).....	1,410.02		65.54
		<i>For Owner Furnished Material, Deduct</i>	-1,147.85		
<b>08 71 11 00-2405</b>		<b>Residential Locks And Latchsets</b> (08 71 11 00-2288)			
08 71 11 00-2406	EA	Residential Entry Lockset With Knobs (Master Keyed).....	74.53		15.84
08 71 11 00-2407	EA	Residential Privacy Lockset With Knobs.....	73.27		15.84
08 71 11 00-2408	EA	Residential Passage Lockset With Knobs.....	73.11		15.84
08 71 11 00-2409	EA	Residential Dummy Lockset With Knobs.....	58.58		13.20
08 71 11 00-2410	EA	Residential Entry Lockset With Levers (Master Keyed).....	83.17		15.84
08 71 11 00-2411	EA	Residential Privacy Lockset With Levers.....	80.30		15.84
08 71 11 00-2412	EA	Residential Passage Lockset With Levers.....	78.22		15.84
08 71 11 00-2413	EA	Residential Dummy Lockset With Levers.....	59.57		13.20
<b>08 71 11 00-2414</b>		<b>Deadbolts</b> (08 71 11 00-2288)			
<b>08 71 11 00-2415</b>		<b>Cylindrical Deadbolts, Grade 1, ANSI 156.5</b> (08 71 11 00-2414)			
		Note: 2-3/8" or 2-3/4" backset.			
08 71 11 00-2416	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side.....	150.31		26.21
		Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.			
		<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20		
08 71 11 00-2417	EA	Double Cylinder Deadbolt, Key Both Sides.....	167.89		26.21
		Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.			
		<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20		
<b>08 71 11 00-2418</b>		<b>Cylindrical Deadbolts, Grade 2, ANSI 156.5</b> (08 71 11 00-2414)			
		Note: 2-3/8" or 2-3/4" backset.			
08 71 11 00-2419	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side.....	138.27		26.21
		Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.			
		<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20		
08 71 11 00-2420	EA	Double Cylinder Deadbolt, Key Both Sides.....	157.48		26.21
		Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.			
		<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20		
<b>08 71 11 00-2421</b>		<b>Small Case Mortised Deadbolts, Grade 1, ANSI 156.5</b> (08 71 11 00-2414)			
		Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.			
08 71 11 00-2422	EA	Small Case Mortised Deadbolt, Key One Side, Knob One Side.....	193.42		26.21
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).			
08 71 11 00-2423	EA	Small Case Mortised Deadbolt, Key Both Sides.....	209.70		26.21
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.			
08 71 11 00-2424	EA	Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side.....	190.17		26.21
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).			
<b>08 71 11 00-2425</b>		<b>Mortised Deadbolts, Grade 1, ANSI 156.5</b> (08 71 11 00-2414)			
		Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.			
08 71 11 00-2426	EA	Mortised Deadbolt, Key One Side, Knob One Side.....	237.70		26.21
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).			
08 71 11 00-2427	EA	Mortised Deadbolt, Key Both Sides.....	264.39		26.21
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.			
08 71 11 00-2428	EA	Mortised Deadbolt, Key One Side, Cover Plate One Side.....	214.91		26.21
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).			
<b>08 71 11 00-2429</b>		<b>Surface Mounted Deadbolts</b> (08 71 11 00-2414)			
08 71 11 00-2430	EA	Single Cylinder Surface Mounted Deadbolt.....	112.04		26.21
		Note: Key one side, knob one side, bright brass finish.			
		<i>For Brushed Chrome Finish, Add</i>	10.50		
08 71 11 00-2431	EA	Double Cylinder Surface Mounted Deadbolt.....	123.80		26.21
		Note: Key both sides, bright brass finish.			
		<i>For Brushed Chrome Finish, Add</i>	10.50		
08 71 11 00-2432	EA	Single Cylinder Surface Mounted Interlocking Deadbolt.....	133.16		26.21
		Note: Jimmy proof, key one side, knob one side, bright brass finish.			
		<i>For Brushed Chrome Finish, Add</i>	10.50		
08 71 11 00-2433	EA	Double Cylinder Surface Mounted Interlocking Deadbolt.....	144.92		26.21
		Note: Jimmy proof, key both sides, bright brass finish.			
		<i>For Brushed Chrome Finish, Add</i>	10.50		
<b>08 71 11 00-2434</b>		<b>Surface Mounted Deadlatches</b> (08 71 11 00-2288)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2435	EA		Single Cylinder Surface Mounted Deadlatch..... Note: Key one side, knob one side, bright brass finish.	112.96	26.21
			<i>For Brushed Chrome Finish, Add</i>	10.50	
08 71 11 00-2436	EA		Single Cylinder Surface Mounted Interlocking Deadlatch ..... Note: Jimmy proof, key one side, knob one side, bright brass finish.	133.20	26.21
			<i>For Brushed Chrome Finish, Add</i>	10.50	
<b>08 71 11 00-2437 Electric Strikes (08 71 11 00-2288)</b>					
08 71 11 00-2438	EA		12/24 Volt DC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100).....	287.96	52.43
08 71 11 00-2439	EA		12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111)..... Note: For rim mounted lock	798.09	52.43
08 71 11 00-2440	EA		12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112)..... Note: For rim mounted lock	763.57	52.43
08 71 11 00-2441	EA		24 Volt DC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211)..... Note: For mortise or cylindrical locks	593.96	52.43
08 71 11 00-2442	EA		24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212)..... Note: For mortise or cylindrical locks	801.77	52.43
08 71 11 00-2443	EA		24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213)..... Note: For mortise or cylindrical locks	786.80	52.43
08 71 11 00-2444	EA		24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214)..... Note: For mortise or cylindrical locks	855.90	52.43
08 71 11 00-2445	EA		24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215)..... Note: For mortise or cylindrical locks	798.72	52.43
08 71 11 00-2446	EA		12/24 Volt DC, 3,070 LB Static Strength, Stainless Steel Body, Dual Voltage Electric Strike (HES 1006).....	499.49	52.43
08 71 11 00-2447	EA		12/24 Volt DC, 3,000 LB Static Strength, Stainless Steel Body, Fire Rated Electric Strike (HES 4500).....	496.69	52.43
08 71 11 00-2448	EA		12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Low Profile Electric Strike (HES 5000).....	256.06	52.43
08 71 11 00-2449	EA		12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Adjustable Electric Strike (HES 5200).....	256.06	52.43
08 71 11 00-2450	EA		12/24 Volt DC, 1,500 LB Static Strength, Cylindrical Or Rim Exit Device, Stainless Steel Body, Electric Strike With Preload (HES 7000).....	321.42	52.43
08 71 11 00-2451	EA		12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Cylindrical Lock Electric Strike (HES 7500).....	552.58	52.43
08 71 11 00-2452	EA		12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Compact Concealed Electric Strike (HES 8000).....	286.33	52.43
08 71 11 00-2453	EA		12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Fire Rated Compact Concealed Electric Strike (HES 8300).....	509.89	52.43
08 71 11 00-2454	EA		12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Fire Rated Concealed Electric Strike (HES 8500).....	453.53	52.43
08 71 11 00-2455	EA		12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Slim Line Surface Mounted Electric Strike (HES 9400).....	542.00	69.22
08 71 11 00-2456	EA		12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Fire Rated Surface Mounted Electric Strike (HES 9500).....	612.28	69.22
08 71 11 00-2457	EA		12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Surface Mounted Electric Strike (HES 9600).....	542.37	69.22
<b>08 71 11 00-2458 Electric Hardware (08 71 11 00-2288)</b>					
08 71 11 00-2459	EA		Electrified Cylindrical Lock Option..... Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	153.54	
08 71 11 00-2460	EA		Electrified Mortise Lock Option ..... Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	177.03	
08 71 11 00-2461	EA		24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	96.82	26.21
08 71 11 00-2462	EA		1 Ampere At 12/24 Volt DC, Door Hardware Power Supply.....	293.13	26.21
08 71 11 00-2463	EA		3 Amperes At 12 Volt DC, 2 Amperes At 24 Volt DC, Door Hardware Power Supply.....	502.65	26.21
08 71 11 00-2464	EA		4-1/2 Amperes At 12 Volt DC, 3 Amperes At 24 Volt DC, Door Hardware Power Supply.....	765.26	26.21
08 71 11 00-2465	EA		6 Amperes At 12 Volt DC, 4 Amperes At 24 Volt DC, Door Hardware Power Supply.....	845.07	26.21
08 71 11 00-2466	EA		9 Amperes At 12 Volt DC, 6 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,007.60	26.21
08 71 11 00-2467	EA		15 Amperes At 12 Volt DC, 10 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,220.18	26.21
08 71 11 00-2468	EA		18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	83.14	26.21
08 71 11 00-2469	EA		24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	84.76	26.21
08 71 11 00-2470	EA		30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	94.65	26.21
08 71 11 00-2471	EA		45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	96.61	26.21
08 71 11 00-2472	EA		60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	97.61	26.21
08 71 11 00-2473	EA		72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	103.29	26.21
08 71 11 00-2474	EA		12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	84.17	26.21
08 71 11 00-2475	EA		18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	92.10	26.21
08 71 11 00-2476	EA		36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	98.38	26.21
08 71 11 00-2477	EA		49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	109.24	26.21
08 71 11 00-2478	EA		60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	112.25	26.21
08 71 11 00-2479	EA		12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	94.08	26.21
08 71 11 00-2480	EA		18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	105.19	26.21
08 71 11 00-2481	EA		18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	67.70	26.21
08 71 11 00-2482	EA		24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	76.29	26.21
08 71 11 00-2483	EA		30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	80.83	26.21
08 71 11 00-2484	EA		36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	85.70	26.21
08 71 11 00-2485	EA		60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	111.00	26.21
08 71 11 00-2486	EA		72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	121.58	26.21
08 71 11 00-2487	EA		12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	71.21	26.21
08 71 11 00-2488	EA		18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	74.52	26.21
08 71 11 00-2489	EA		24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	84.39	26.21
08 71 11 00-2490	EA		36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	100.09	26.21
08 71 11 00-2491	EA		48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	114.13	26.21
08 71 11 00-2492	EA		60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	137.19	26.21
08 71 11 00-2493	EA		12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	76.73	26.21
08 71 11 00-2494	EA		18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	81.81	26.21
08 71 11 00-2495	EA		Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	521.79	26.21
08 71 11 00-2496	EA		Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	570.45	36.70

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-2497	<b>Magnetic Locks</b> (08 71 11 00-2288)		
08 71 11 00-2498	EA Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40).....	639.50	125.84
08 71 11 00-2499	EA Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ).....	765.51	141.57
08 71 11 00-2500	EA Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70).....	743.91	125.84
08 71 11 00-2501	EA Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ).....	869.69	141.57
08 71 11 00-2502	EA Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420).....	779.45	136.33
08 71 11 00-2503	EA Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450).....	851.06	136.33
08 71 11 00-2504	EA Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490).....	906.80	136.33
08 71 11 00-2505	EA Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P)..... Note: Includes magnetic bond sensor, door position switch and relock time delay.	997.62	157.30
08 71 11 00-2506	EA Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P)..... Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,092.81	157.30
08 71 11 00-2507	EA Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490P)..... Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,135.69	157.30
08 71 11 00-2508	EA 2 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902).....	341.22	52.43
08 71 11 00-2509	EA 4 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904).....	555.07	52.43
08 71 11 00-2510	EA 6 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906).....	666.21	52.43
08 71 11 00-2511	<b>Door Coordinators</b> (08 71 11)		
08 71 11 00-2512	EA 32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series)..... Note: Satin chrome finish. Includes two mounting brackets. For Anodized Aluminum Finish, Deduct	388.86 -103.11	32.77
08 71 11 00-2513	EA 42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series)..... Note: Satin chrome finish. Includes two mounting brackets. For Anodized Aluminum Finish, Deduct	408.19 -108.74	34.08
08 71 11 00-2514	EA 52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series)..... Note: Satin chrome finish. Includes two mounting brackets. For Anodized Aluminum Finish, Deduct	418.18 -110.64	35.39
08 71 11 00-2515	EA 60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series)..... Note: Satin chrome finish. Includes two mounting brackets. For Anodized Aluminum Finish, Deduct	436.25 -115.77	36.70
08 71 11 00-2516	EA 72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series)..... Note: Satin chrome finish. Includes two mounting brackets. For Anodized Aluminum Finish, Deduct	466.94 -125.96	38.02
08 71 11 00-2517	EA Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20")..... For Anodized Aluminum Finish, Deduct	93.14 -20.48	10.49
08 71 11 00-2518	EA Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32")..... For Anodized Aluminum Finish, Deduct	102.72 -22.21	11.80
08 71 11 00-2519	EA Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44")..... For Anodized Aluminum Finish, Deduct	117.76 -26.13	13.11
08 71 11 00-2520	EA Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1).....	88.82	13.11
08 71 11 00-2521	EA 7" Projection COR Series Gravity Type Door Coordinator..... For Anodized Aluminum Finish, Deduct	131.45 -21.12	19.66
08 71 11 00-2522	EA 9" Projection COR Series Gravity Type Door Coordinator..... For Anodized Aluminum Finish, Deduct	139.89 -24.50	19.66
08 71 11 00-2523	<b>Removal And Reinstallation Of Door Hardware</b> (08 71 11) Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0050 for removal and reinstallation of door.		
08 71 11 00-2524	EA Removal And Reinstallation Of Door Lockset, Entrance.....	78.66	
08 71 11 00-2525	EA Removal And Reinstallation Of Door Lockset, Mortise.....	125.84	
08 71 11 00-2526	EA Removal And Reinstallation Of Deadbolt Lock.....	83.90	
08 71 11 00-2527	PR Removal And Reinstallation Of Butts/Hinges.....	20.97	
08 71 11 00-2528	EA Removal And Reinstallation Of Door Bumper.....	7.34	
08 71 11 00-2529	EA Removal And Reinstallation Of Surface Mounted Panic Device.....	209.74	
08 71 11 00-2530	EA Removal And Reinstallation Of Kick Plate.....	26.21	
08 71 11 00-2531	EA Removal And Reinstallation Of Push Plate.....	20.97	
08 71 11 00-2532	EA Removal And Reinstallation Of Surface Mounted Door Closer Or Holder.....	104.87	
08 71 11 00-2533	EA Removal And Reinstallation Of Door Handles.....	15.74	
08 71 11 00-2534	<b>Electromagnetic Door Release</b> (08 71 11)		
08 71 11 00-2535	EA 120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Surface Wiring, Electro-Magnetic Door Release.....	481.48	66.06
08 71 11 00-2536	EA 120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release.....	470.97	66.06
08 71 11 00-2537	EA 120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Adjustable, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release.....	523.92	66.06
08 71 11 00-2538	EA 24 Volt AC/DC, High Hold, Wall Mount, Surface Or Recessed Wiring, Electro-Magnetic Door Release.....	836.49	66.06
08 71 11 00-2539	EA 24 Volt DC, Sliding Door, Electro-Magnetic Door Release.....	808.62	66.06
08 71 11 00-2540	EA 120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Overhead Door, Electro-Magnetic Door Release.....	808.62	66.06
08 71 11 00-2541	EA 120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Single Door, Electro-Magnetic Door Release.....	740.45	66.06
08 71 11 00-2542	EA 120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Back-to-Back Door, Electro-Magnetic Door Release.....	912.81	66.06
08 71 11 00-2543	EA Photo Electric Smoke Detector Suitable For Door Holder Release.....	878.36	66.06
08 71 11 00-2544	EA Ionization Type Smoke Detector Suitable For Door Holder Release.....	1,072.26	66.06
08 71 11 00-2545	EA Surface Wall Mount, Electromagnetic Door Holder (Sargent 1560)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	534.01	66.06
08 71 11 00-2546	EA Flush Mount, Electromagnetic Door Holder (Sargent 1561)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	525.86	66.06
08 71 11 00-2547	EA Floor Mount, Electromagnetic Door Holder (LCN SEM7820)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	780.54	66.06
08 71 11 00-2548	EA Surface Wall Mount, Electromagnetic Door Holder (LCN SEM7830)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	560.05	66.06
08 71 11 00-2549	EA Low Profile Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7840)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	560.05	66.06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2550	EA		Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7850) .....560.05 Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	560.05	66.06
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**08 71 11 00-2551 University Hardware Standard** (08 71 11)

08 71 11 00-2552	EA		Unit Lock X Less Cylinder X 626 Finish X LH (Corbin Russwin UT5257ESE).....987.14	987.14	78.65
08 71 11 00-2553	EA		Von Duprin #CD99L Exit Device X 994LR X 626 Finish .....1,718.23	1,718.23	164.12
08 71 11 00-2554	EA		LCN #L4041EDA Surface Mounted Closer X Aluminum .....524.56	524.56	80.75
08 71 11 00-2555	EA		Schlage #L9453 Mortise Lockset X 626 X Less Cylinder X 03A .....623.52	623.52	52.43
08 71 11 00-2556	EA		Alarm Lock Mortise Combination Lockset #DL3500 X 626 Finish .....1,558.79	1,558.79	131.08
08 71 11 00-2557	EA		Medeco #10W0500 Mortise Lock Cylinder X 626 E3M Keyway .....140.32	140.32	13.11
08 71 11 00-2558	EA		Corbin #1000-114-A01-6 Br 6 Mortise Cylinder X 626 Finish .....78.08	78.08	13.11
08 71 11 00-2559	EA		Quality #431ES Door Stop X 626 Finish .....27.19	27.19	10.49
08 71 11 00-2560	EA		Quality #48 Kick Plate 10x34, 626 Finish .....62.58	62.58	15.74
08 71 11 00-2561	EA		Medeco 20W5005 X 626 Finish X E3M Keyway .....218.97	218.97	52.43
08 71 11 00-2562	EA		Panel Interface Module (Schlage PIM400-485) .....2,909.06	2,909.06	419.48

**08 71 13 Automatic Door Operators** (08 71)

**08 71 13 00-0001 Automatic Door Operators (LCN)** (08 71 13)

08 71 13 00-0002	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Arm (LCN 9131) .....2,296.64	2,296.64	
08 71 13 00-0003	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Arm (LCN 9142) .....2,296.64	2,296.64	
08 71 13 00-0004	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator With Arms (LCN 9153) .....4,487.70	4,487.70	
08 71 13 00-0005	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Pull Arm (LCN 9531) .....2,863.31 Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	2,863.31	
08 71 13 00-0006	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Push Arm (LCN 9542) .....2,863.31 Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	2,863.31	
08 71 13 00-0007	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator with Arms (LCN 9553) .....4,914.31	4,914.31	
08 71 13 00-0008	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator with Arms (LCN 9563) .....5,767.55	5,767.55	
08 71 13 00-0009	EA		Door Position Switch (LCN 8310-805) .....51.70	51.70	
08 71 13 00-0010	EA		3-Position Key Switch (LCN 8310-806K) .....265.38	265.38	
08 71 13 00-0011	EA		4-3/4" x 4-3/4" Wall Mount Actuator (LCN 8310-813) .....625.32	625.32	
08 71 13 00-0012	EA		1-1/2" x 4-3/4" Jamb Mount Actuator (LCN 8310-818) .....148.19	148.19	
08 71 13 00-0013	EA		36" High Full Length Actuator (LCN 8310-836T) .....579.51	579.51	
08 71 13 00-0014	EA		6" Round Wall Mount Actuator (LCN 8310-852) .....199.64	199.64	
08 71 13 00-0015	EA		42" x 4" x 6" Post Bollard (LCN 8310-866) .....712.10	712.10	
08 71 13 00-0016	EA		Small Format Interchangeable Core (SFIC) Horizontal Tailpiece Rim Cylinder (Schlage 80-116-ICX) .....81.84	81.84	
08 71 13 00-0017	EA		Small Format Interchangeable Core (SFIC) 7 Pin Interchangeable Core (Falcon C607) .....99.14	99.14	

**08 71 13 00-0018 Automatic Door Operators (Stanley)** (08 71 13)

08 71 13 00-0019	EA		Automatic Door Operator, Surface Mount With Key Switch (Stanley D-4990) .....2,920.58	2,920.58	
08 71 13 00-0020	EA		6" Round Stainless Steel Actuator (Stanley CL2216) .....179.85	179.85	
08 71 13 00-0021	EA		Power Supply (Stanley Precision ELR151) .....631.39	631.39	

**08 71 13 00-0022 Miscellaneous Devices** (08 71 13)

08 71 13 00-0023	EA		Electric Power Transformer (Von Duprin EPT-2) For Magnetic Monitor Switches .....378.18	378.18	39.33
08 71 13 00-0024	EA		Magnetic Monitor Switch, SS Finish (Von Duprin MS 764) .....118.82	118.82	23.59
08 71 13 00-0025	EA		24 Volt AC, 3 Amperes, Transformer (Von Duprin PT 750) .....147.47	147.47	23.59
08 71 13 00-0026	EA		Automatic Door Bottoms, Fully Mortise Cam Bottom Type To Fit 1-1/2" x 3/4" Mortise Channel At Door Bottom (National Guard Products 320S) .....88.40	88.40	23.59

**08 71 53 Security Door Hardware** (08 71)

**08 71 53 00-0001 Door Exit Alarm Hardware** (08 71 53)

08 71 53 00-0002	EA		Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500) .....283.23	283.23	39.33
08 71 53 00-0003	EA		Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W) .....386.62	386.62	39.33
08 71 53 00-0004	EA		Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300) .....327.39 Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	327.39	39.33
08 71 53 00-0005	EA		Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W) .....418.83 Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	418.83	39.33
08 71 53 00-0006	EA		Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500) .....488.95	488.95	52.43
08 71 53 00-0007	EA		Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S) .....87.55 Note: For use with Detex EAX exit alarms.	87.55	52.43

**08 72 Weatherstripping, Thresholds and Seals** (08 72)

**08 72 33 Weatherstripping and Seals** (08 72)

**08 72 33 00-0001 Weather-Stripping And Seals** (08 72 33)

## 08 Openings

## 08 70 Hardware

## 08 72 Weatherstripping, Thresholds and Seals

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 72 33 00-0002		<b>Astragals</b> (08 72 33 00-0001) Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.			
08 72 33 00-0003		<b>Adhesive Backed Astragals</b> (08 72 33 00-0002)			
08 72 33 00-0004	LF	7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771) .....	4.00		0.79
08 72 33 00-0005	LF	1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772) .....	4.43		0.79
08 72 33 00-0006	LF	1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110) .....	3.45		0.79
08 72 33 00-0007		<b>Overlapping Astragals</b> (08 72 33 00-0002)			
08 72 33 00-0008		<b>Aluminum, Overlapping Astragals</b> (08 72 33 00-0007)			
08 72 33 00-0009	LF	2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C) .....	16.48		4.71
		For Color Anodized Finish, Add	2.15		
08 72 33 00-0010		<b>Stainless Steel, Overlapping Astragals</b> (08 72 33 00-0007)			
08 72 33 00-0011	LF	2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS) .....	31.74		4.71
08 72 33 00-0012		<b>"T" Astragals</b> (08 72 33 00-0002)			
08 72 33 00-0013		<b>Aluminum, "T" Astragals</b> (08 72 33 00-0012)			
08 72 33 00-0014	LF	1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A) .....	11.25		4.71
		For Color Anodized Finish, Add	0.68		
08 72 33 00-0015	LF	Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV) .....	13.76		4.71
		For Color Anodized Finish, Add	0.89		
08 72 33 00-0016	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP) .....	14.15		4.71
		For Color Anodized Finish, Add	1.69		
		For Silicone Insert, Add	0.63		
08 72 33 00-0017	LF	Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR) .....	24.91		4.71
		For Color Anodized Finish, Add	5.46		
08 72 33 00-0018	LF	Silicon Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BS) .....	62.61		4.71
08 72 33 00-0019	LF	Silicon Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CS) .....	15.73		4.71
08 72 33 00-0020	LF	Silicon Insert, 1-3/8" Width, 1/4" Height, Satin Nickel Anodized Aluminum, "T" Astragal (Pemko 355SNS) .....	17.95		4.71
08 72 33 00-0021		<b>Brass/Bronze, "T" Astragals</b> (08 72 33 00-0012)			
08 72 33 00-0022	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP) .....	63.13		4.71
		For Silicone Insert, Add	0.63		
08 72 33 00-0023		<b>Locking Astragals</b> (08 72 33 00-0002)			
08 72 33 00-0024		<b>Outswing Locking Astragals</b> (08 72 33 00-0023) Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.			
08 72 33 00-0025		<b>Aluminum, Outswing Locking Astragals</b> (08 72 33 00-0024)			
08 72 33 00-0026	LF	Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS) .....	32.83		4.71
		Note: Includes pile seal at inner door edge and neoprene bottom seal.			
		For Color Anodized Finish, Add	4.70		
08 72 33 00-0027	LF	Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS) .....	37.86		4.71
		Note: Includes pile seal at inner door edge and neoprene bottom seal.			
		For Color Anodized Finish, Add	5.71		
08 72 33 00-0028	LF	Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ) .....	36.64		4.71
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.			
		For Thermal Break, Add	1.64		
08 72 33 00-0029	LF	Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ) .....	40.74		4.71
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.			
		For Thermal Break, Add	1.89		
08 72 33 00-0030		<b>Inswing Locking Astragals</b> (08 72 33 00-0023) Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.			
08 72 33 00-0031		<b>Wood, Inswing Locking Astragals</b> (08 72 33 00-0030)			
08 72 33 00-0032	LF	Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832) .....	38.18		4.71
08 72 33 00-0033	LF	Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q) .....	37.99		4.71
		Note: Includes kerf-in foam seal.			
08 72 33 00-0034		<b>Aluminum, Inswing Locking Astragals</b> (08 72 33 00-0030)			
08 72 33 00-0035	LF	Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV) .....	22.27		4.71
		Note: Includes pile seal at inner door edge and neoprene bottom seal.			
		For Silicone Insert, Add	0.63		
		For Color Anodized Finish, Add	2.59		
08 72 33 00-0036	LF	Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV) .....	26.48		4.71
		Note: Includes pile seal at inner door edge and neoprene bottom seal.			
		For Silicone Insert, Add	0.63		
		For Color Anodized Finish, Add	3.43		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0037	LF			Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ).....	23.86	4.71
				Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
				For Magnetic Kerf-In Insert, Add	0.47	
				For Color Anodized Finish, Add	2.91	
08 72 33 00-0038	LF			Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ).....	28.03	4.71
				Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
				For Magnetic Kerf-In Insert, Add	0.47	
				For Color Anodized Finish, Add	3.74	
<b>08 72 33 00-0039</b>				<b>Security Astragals</b> (08 72 33 00-0002)		
08 72 33 00-0040	LF			Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C).....	20.86	4.71
				For Color Anodized Finish, Add	11.54	
08 72 33 00-0041	LF			2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP).....	34.12	4.71
<b>08 72 33 00-0042</b>				<b>Meeting Stile Astragals</b> (08 72 33 00-0002)		
<b>08 72 33 00-0043</b>				<b>One Piece, Meeting Stile Astragals</b> (08 72 33 00-0042)		
				Note: Includes an astragal for one door only.		
08 72 33 00-0044	LF			1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP).....	13.61	4.71
				For Color Anodized Finish, Add	1.29	
08 72 33 00-0045	LF			1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN).....	21.16	7.02
				For Color Anodized Finish, Add	2.86	
08 72 33 00-0046	LF			9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN).....	27.38	7.02
				For Color Anodized Finish, Add	1.34	
08 72 33 00-0047	LF			15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN).....	28.19	7.02
				For Color Anodized Finish, Add	3.55	
08 72 33 00-0048	LF			1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71).....	38.27	7.02
<b>08 72 33 00-0049</b>				<b>Two Piece, Meeting Stile Split Astragals</b> (08 72 33 00-0042)		
				Note: Includes one astragal for each door.		
08 72 33 00-0050	LF			1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV).....	17.29	7.02
				For Silicone Insert, Add	0.95	
				For Color Anodized Finish, Add	3.29	
08 72 33 00-0051	LF			1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV).....	17.29	7.02
				For Color Anodized Finish, Add	3.29	
08 72 33 00-0052	LF			1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV).....	17.29	7.02
				For Silicone Insert, Add	0.95	
				For Color Anodized Finish, Add	3.29	
08 72 33 00-0053	LF			3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN).....	26.02	7.02
				For Silicone Insert, Add	0.63	
				For Color Anodized Finish, Add	2.40	
08 72 33 00-0054	LF			3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNC).....	21.73	7.02
				For Color Anodized Finish, Add	3.09	
08 72 33 00-0055	LF			5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNC).....	22.30	7.02
				For Color Anodized Finish, Add	3.32	
08 72 33 00-0056	LF			3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV).....	26.60	7.02
				For Color Anodized Finish, Add	6.30	
				For Silicone Insert, Add	0.95	
08 72 33 00-0057	LF			3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNC).....	27.17	7.02
				For Color Anodized Finish, Add	5.27	
08 72 33 00-0058	LF			5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNC).....	27.74	7.02
				For Color Anodized Finish, Add	5.50	
<b>08 72 33 00-0059</b>				<b>Two Piece, Adjustable Meeting Stile Split Astragals</b> (08 72 33 00-0042)		
				Note: Includes one astragal for each door.		
<b>08 72 33 00-0060</b>				<b>Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals</b> (08 72 33 00-0059)		
08 72 33 00-0061	LF			3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP).....	48.07	7.02
				For Color Anodized Finish, Add	8.52	
				For Silicone Insert, Add	0.63	
08 72 33 00-0062	LF			3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP).....	48.97	7.02
				For Silicone Insert, Add	0.63	
				For Color Anodized Finish, Add	6.99	
<b>08 72 33 00-0063</b>				<b>Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals</b> (08 72 33 00-0059)		

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 72 33 00-0064	LF 3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP).....	196.26	7.02
	<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0065	LF 3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP).....	183.51	7.02
	<i>For Silicone Insert, Add</i>	0.63	
<b>08 72 33 00-0066</b>	<b>Door Sweeps</b> (08 72 33 00-0001)		
<b>08 72 33 00-0067</b>	<b>Tack On Door Sweeps</b> (08 72 33 00-0066)		
08 72 33 00-0068	LF For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365).....	6.25	2.62
08 72 33 00-0069	LF For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364).....	6.33	2.62
08 72 33 00-0070	LF For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V).....	6.59	2.62
<b>08 72 33 00-0071</b>	<b>Aluminum Retainer Door Sweeps</b> (08 72 33 00-0066)		
<b>08 72 33 00-0072</b>	<b>35 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0071) Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0073	LF 5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB).....	14.63	5.24
	<i>For Color Anodized Finish, Add</i>	1.66	
08 72 33 00-0074	LF 1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB).....	15.06	5.24
	<i>For Color Anodized Finish, Add</i>	1.60	
<b>08 72 33 00-0075</b>	<b>45 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0071) Note: The retainer mounts to the door face with the sweep positioned 45 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0076	LF 1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB).....	21.93	5.24
	<i>For Color Anodized Finish, Add</i>	4.58	
08 72 33 00-0077	LF 2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB).....	23.65	5.24
	<i>For Color Anodized Finish, Add</i>	5.27	
08 72 33 00-0078	LF 4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB).....	27.37	5.24
	<i>For Color Anodized Finish, Add</i>	6.76	
<b>08 72 33 00-0079</b>	<b>90 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0071) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0080	LF 3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB).....	16.06	5.24
	<i>For Color Anodized Finish, Add</i>	0.56	
08 72 33 00-0081	LF 5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB).....	15.92	5.24
	<i>For Color Anodized Finish, Add</i>	0.54	
08 72 33 00-0082	LF 1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB).....	16.92	5.24
	<i>For Color Anodized Finish, Add</i>	2.25	
08 72 33 00-0083	LF 1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB).....	17.35	5.24
	<i>For Color Anodized Finish, Add</i>	2.75	
08 72 33 00-0084	LF 7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN).....	15.63	5.24
	<i>For Color Anodized Finish, Add</i>	1.29	
08 72 33 00-0085	LF 11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN).....	19.64	5.24
	<i>For Color Anodized Finish, Add</i>	1.83	
08 72 33 00-0086	LF 15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN).....	16.49	5.24
	<i>For Color Anodized Finish, Add</i>	1.20	
08 72 33 00-0087	LF 9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV).....	12.73	5.24
	Note: Includes mill finish.		
	<i>For Color Anodized Finish, Add</i>	1.13	
08 72 33 00-0088	LF 1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV).....	12.84	5.24
	Note: Includes mill finish.		
	<i>For Color Anodized Finish, Add</i>	1.18	
08 72 33 00-0089	LF 1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV).....	14.06	5.24
	Note: Includes mill finish.		
	<i>For Color Anodized Finish, Add</i>	1.25	
<b>08 72 33 00-0090</b>	<b>180 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0071) Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
<b>08 72 33 00-0091</b>	<b>180 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0090)		
08 72 33 00-0092	LF 3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB).....	14.35	5.24
	<i>For Color Anodized Finish, Add</i>	1.55	
08 72 33 00-0093	LF 5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB).....	14.63	5.24
	<i>For Color Anodized Finish, Add</i>	1.66	
08 72 33 00-0094	LF 1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB).....	16.92	5.24
	<i>For Color Anodized Finish, Add</i>	2.25	
<b>08 72 33 00-0095</b>	<b>180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0090)		
08 72 33 00-0096	LF 3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB).....	17.07	5.24
	<i>For Color Anodized Finish, Add</i>	2.64	
08 72 33 00-0097	LF 5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB).....	17.35	5.24
	<i>For Color Anodized Finish, Add</i>	2.75	
08 72 33 00-0098	LF 1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB).....	18.56	5.24
	<i>For Color Anodized Finish, Add</i>	3.23	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 72 33 00-0099			<b>Mortised, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0071) Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 72 33 00-0100	LF		1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB) .....	13.06	5.24
08 72 33 00-0101	LF		13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB) .....	13.06	5.24
08 72 33 00-0102	LF		5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB) .....	13.20	5.24
08 72 33 00-0103			<b>Aluminum Retainer Door Sweeps With Rain Drip</b> (08 72 33 00-0066)		
08 72 33 00-0104			<b>90 Degree, Aluminum Retainer Door Sweeps With Rain Drip</b> (08 72 33 00-0103) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 72 33 00-0105	LF		1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV) .....	12.77	5.24
			<i>For Color Anodized Finish, Add</i>	1.60	
08 72 33 00-0106	LF		1/4" Vinyl Insert, 90 Degree, Clear Anodized Aluminum Retainer Door Sweep (Pemko 3452CV) .....	14.16	5.24
08 72 33 00-0107	LF		1/4" Vinyl Insert, 90 Degree, Satin Nickel Anodized Aluminum Retainer Door Sweep (Pemko 3452SNV) .....	14.40	5.24
08 72 33 00-0108	LF		1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV) .....	14.63	5.24
			<i>For Color Anodized Finish, Add</i>	1.66	
08 72 33 00-0109	LF		3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB) .....	16.03	5.24
			Note: Includes clear anodized finish.		
			<i>For Color Anodized Finish, Add</i>	1.11	
08 72 33 00-0110	LF		7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB) .....	16.28	5.24
			<i>For Color Anodized Finish, Add</i>	1.16	
08 72 33 00-0111			<b>Brass/Bronze Retainer Door Sweeps</b> (08 72 33 00-0066)		
08 72 33 00-0112			<b>90 Degree, Brass/Bronze Retainer Door Sweeps</b> (08 72 33 00-0111) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0113	LF		7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN) .....	19.07	5.24
08 72 33 00-0114			<b>Oak Retainer Door Sweeps</b> (08 72 33 00-0066)		
08 72 33 00-0115			<b>90 Degree, Oak Retainer Door Sweeps</b> (08 72 33 00-0114) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0116	LF		9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB) .....	15.78	5.24
08 72 33 00-0117	LF		15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB) .....	18.04	5.24
08 72 33 00-0118			<b>Door Shoes And Bottoms</b> (08 72 33 00-0001)		
08 72 33 00-0119			<b>Door Shoes</b> (08 72 33 00-0118)		
08 72 33 00-0120			<b>Aluminum Retainer Door Shoes</b> (08 72 33 00-0119)		
08 72 33 00-0121			<b>Bottom Mount, Aluminum Retainer Door Shoes</b> (08 72 33 00-0120)		
08 72 33 00-0122	LF		Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV) .....	13.92	5.24
			<i>For Color Anodized Finish, Add</i>	1.38	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.68	
08 72 33 00-0123	LF		Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV) .....	14.35	5.24
			<i>For Color Anodized Finish, Add</i>	1.55	
08 72 33 00-0124	LF		Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV) .....	18.50	5.24
			<i>For Color Anodized Finish, Add</i>	1.60	
08 72 33 00-0125			<b>Side Mount, Aluminum Retainer Door Shoes</b> (08 72 33 00-0120)		
08 72 33 00-0126	LF		Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV) .....	15.78	5.24
			<i>For Color Anodized Finish, Add</i>	2.12	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.68	
08 72 33 00-0127			<b>L Or U Shaped, Aluminum Retainer Door Shoes</b> (08 72 33 00-0120)		
08 72 33 00-0128	LF		Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV) .....	14.63	5.24
			<i>For Color Anodized Finish, Add</i>	2.08	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 72 33 00-0129	LF		Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV) .....	15.49	5.24
			<i>For Color Anodized Finish, Add</i>	2.00	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 72 33 00-0130	LF		Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV) .....	15.78	5.24
			<i>For Color Anodized Finish, Add</i>	2.12	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 72 33 00-0131	LF		Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV) .....	21.60	5.24
			<i>For Color Anodized Finish, Add</i>	2.22	
08 72 33 00-0132	LF		Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV) .....	21.88	5.24
			<i>For Color Anodized Finish, Add</i>	2.28	
08 72 33 00-0133	LF		PemkoPrene Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216APK) .....	18.45	5.24
08 72 33 00-0134	LF		PemkoPrene Insert, 1-3/4" Width, U-Shaped With Rain Drip, Satin Nickel Anodized Aluminum Retainer Door Shoe (Pemko 216SNPK) .....	22.47	5.24
08 72 33 00-0135	LF		PemkoPrene Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217APK) .....	17.10	5.24
08 72 33 00-0136	LF		PemkoPrene Insert, 1-3/4" Width, U-Shaped, Satin Nickel Anodized Aluminum Retainer Door Shoe (Pemko 217SNPK) .....	22.51	5.24
08 72 33 00-0137			<b>L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes</b> (08 72 33 00-0120)		

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 72 33 00-0138	LF	Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV).....	14.92		5.24
		<i>For Color Anodized Finish, Add</i>	2.22		
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42		
08 72 33 00-0139	LF	Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV).....	15.78		5.24
		<i>For Color Anodized Finish, Add</i>	2.12		
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42		
08 72 33 00-0140	LF	Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV).....	15.92		5.24
		<i>For Color Anodized Finish, Add</i>	2.18		
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42		
<b>08 72 33 00-0141</b>		<b>Vinyl Door Shoes</b> (08 72 33 00-0119)			
08 72 33 00-0142	LF	1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80).....	17.72		5.24
08 72 33 00-0143	LF	1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV).....	20.98		5.24
<b>08 72 33 00-0144</b>		<b>Door Bottoms</b> (08 72 33 00-0118)			
<b>08 72 33 00-0145</b>		<b>Automatic Door Bottoms</b> (08 72 33 00-0144)			
<b>08 72 33 00-0146</b>		<b>Aluminum Automatic Door Bottoms</b> (08 72 33 00-0145)			
08 72 33 00-0147	LF	Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL).....	29.33		5.24
		<i>For Color Anodized Finish, Add</i>	3.77		
08 72 33 00-0148	LF	Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL).....	41.13		5.24
		<i>For Color Anodized Finish, Add</i>	6.13		
<b>08 72 33 00-0149</b>		<b>Door Top Protection</b> (08 72 33 00-0001)			
08 72 33 00-0150	LF	Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343).....	11.53		4.19
		<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	0.86		
08 72 33 00-0151	LF	Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344).....	11.53		4.19
		<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	0.86		
08 72 33 00-0152	LF	2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C).....	16.04		4.19
		<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	2.10		
08 72 33 00-0153	EA	For 20 Oz Copper Drip Cap For Exterior Door.....	62.52		
<b>08 72 33 00-0154</b>		<b>Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0001)			
		Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.			
<b>08 72 33 00-0155</b>		<b>Adhesive Backed Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0154)			
08 72 33 00-0156	LF	3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33).....	3.63		2.62
		<i>For Intumescent Seal, Add</i>	1.50		
08 72 33 00-0157	LF	1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55).....	3.67		2.62
		<i>For Intumescent Seal, Add</i>	1.50		
08 72 33 00-0158	LF	1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88).....	4.74		2.62
08 72 33 00-0159	LF	7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44).....	3.94		2.62
08 72 33 00-0160	LF	5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77).....	5.05		2.62
		<i>For Intumescent Seal, Add</i>	1.50		
08 72 33 00-0161	LF	1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773).....	4.72		2.62
		<i>For Intumescent Seal, Add</i>	1.50		
08 72 33 00-0162	LF	7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44).....	6.10		2.62
08 72 33 00-0163	LF	1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88).....	5.67		2.62
<b>08 72 33 00-0164</b>		<b>Kerf-In Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0154)			
08 72 33 00-0165	LF	3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50).....	3.29		2.62
08 72 33 00-0166	LF	7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52).....	4.69		2.62
08 72 33 00-0167	LF	3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103).....	3.63		2.62
08 72 33 00-0168	LF	5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102).....	3.59		2.62
08 72 33 00-0169	LF	3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349).....	4.54		2.62
<b>08 72 33 00-0170</b>		<b>Cushion/Spring Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0154)			
<b>08 72 33 00-0171</b>		<b>Spring Bronze Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0170)			
08 72 33 00-0172	LF	1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C).....	8.72		2.62
08 72 33 00-0173	LF	1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D).....	8.72		2.62
08 72 33 00-0174	LF	1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E).....	9.42		2.62
08 72 33 00-0175	LF	1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F).....	9.56		2.62
<b>08 72 33 00-0176</b>		<b>Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0170)			
08 72 33 00-0177	LF	5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73).....	8.34		2.62
08 72 33 00-0178	LF	7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74).....	9.42		2.62
08 72 33 00-0179	LF	1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75).....	10.59		2.62
<b>08 72 33 00-0180</b>		<b>Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0154)			
<b>08 72 33 00-0181</b>		<b>Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0180)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0182	LF		1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV).....	6.89	2.62
			<i>For Silicone Insert, Add</i> .....	0.95	
			<i>For Color Anodized Finish, Add</i> .....	1.65	
08 72 33 00-0183	LF		1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV).....	6.89	2.62
			<i>For Silicone Insert, Add</i> .....	0.95	
			<i>For Color Anodized Finish, Add</i> .....	1.65	
08 72 33 00-0184	LF		1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV).....	6.89	2.62
			<i>For Silicone Insert, Add</i> .....	0.95	
			<i>For Color Anodized Finish, Add</i> .....	1.65	
08 72 33 00-0185	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN).....	11.25	2.62
			<i>For Silicone Insert, Add</i> .....	0.63	
			<i>For Color Anodized Finish, Add</i> .....	1.20	
08 72 33 00-0186	LF		3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV).....	11.54	2.62
			<i>For Color Anodized Finish, Add</i> .....	3.15	
			<i>For Silicone Insert, Add</i> .....	0.95	
08 72 33 00-0187	LF		Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR).....	11.54	2.62
			<i>For Color Anodized Finish, Add</i> .....	2.21	
08 72 33 00-0188			<b>Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0188)		
08 72 33 00-0189			<b>Standard Jamb, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0189)		
08 72 33 00-0190	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV).....	11.04	2.62
			<i>For Silicone Insert, Add</i> .....	0.95	
08 72 33 00-0191			<b>Head Section, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0188)		
08 72 33 00-0192	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV).....	12.17	2.62
08 72 33 00-0193			<b>Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0154)		
08 72 33 00-0194			<b>Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0193)		
08 72 33 00-0195	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR).....	26.13	2.62
			<i>For Silicone Insert, Add</i> .....	1.58	
08 72 33 00-0196	LF		Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR).....	44.85	2.62
08 72 33 00-0197			<b>Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0193)		
08 72 33 00-0198			<b>Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0197)		
08 72 33 00-0199	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV).....	38.62	2.62
			<i>For Silicone Insert, Add</i> .....	0.63	
08 72 33 00-0200			<b>Aluminum Interlock, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0154)		
08 72 33 00-0201	LF		Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A).....	16.41	5.24
			Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.		
			<i>For Color Anodized Finish, Add</i> .....	2.37	
08 72 33 00-0202	LF		Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR).....	16.91	5.24
			Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.		
			<i>For Color Anodized Finish, Add</i> .....	2.57	
08 72 33 00-0203			<b>Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0154)		
			Note: Seals gaps from 1/16" to 1/4".		
08 72 33 00-0204	LF		Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR).....	19.35	2.62
			<i>For Color Anodized Finish, Add</i> .....	2.82	
08 72 33 00-0205	LF		Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR).....	20.35	2.62
			<i>For Color Anodized Finish, Add</i> .....	3.02	
08 72 33 00-0206			<b>Perimeter Gasketing Weather-Strip Applied To Header</b> (08 72 33 00-0154)		
08 72 33 00-0207	LF		1-1/2" Wide x 1/4" High, Silicon Insert, Perimeter Gasketing (Pemko 2891AS).....	13.89	5.24

**08 72 43 Thresholds** (08 72)

**08 Openings****08 72 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 72 43 00-0001		<b>Thresholds</b> (08 72 43) Note: Includes material, fasteners, installation, caulk and sealants.			
08 72 43 00-0002		<b>Metal Thresholds</b> (08 72 43 00-0001)			
08 72 43 00-0003		<b>Saddle Thresholds</b> (08 72 43 00-0002)			
08 72 43 00-0004		<b>Aluminum Saddle Thresholds</b> (08 72 43 00-0003) Note: Includes mill finish.			
08 72 43 00-0005		<b>3/16" Height, Aluminum Saddle Thresholds</b> (08 72 43 00-0004)			
08 72 43 00-0006	LF	2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A) ..... <i>For Color Anodized Finish, Add</i>	26.40 2.18		8.39
08 72 43 00-0007		<b>1/4" Height, Aluminum Saddle Thresholds</b> (08 72 43 00-0004)			
08 72 43 00-0008	LF	3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A) ..... <i>For Color Anodized Finish, Add</i>	28.83 3.15		8.39
08 72 43 00-0009	LF	4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A) ..... <i>For Color Anodized Finish, Add</i>	33.93 5.41		10.48
08 72 43 00-0010	LF	5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A) ..... <i>For Color Anodized Finish, Add</i>	36.66 5.23		10.48
08 72 43 00-0011	LF	6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A) ..... <i>For Color Anodized Finish, Add</i>	39.94 4.81		10.48
08 72 43 00-0012	LF	7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A) ..... <i>For Color Anodized Finish, Add</i>	44.81 4.65		10.48
08 72 43 00-0013	LF	8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A) ..... <i>For Color Anodized Finish, Add</i>	53.78 5.58		12.58
08 72 43 00-0014	LF	9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A) ..... <i>For Color Anodized Finish, Add</i>	57.07 6.41		12.58
08 72 43 00-0015	LF	10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A) ..... <i>For Color Anodized Finish, Add</i>	62.32 7.72		12.58
08 72 43 00-0016		<b>5/16" Height, Aluminum Saddle Thresholds</b> (08 72 43 00-0004)			
08 72 43 00-0017	LF	2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A) ..... <i>For Color Anodized Finish, Add</i>	28.40 2.60		8.39
08 72 43 00-0018		<b>1/2" Height, Aluminum Saddle Thresholds</b> (08 72 43 00-0004)			
08 72 43 00-0019	LF	3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A) ..... <i>For Color Anodized Finish, Add</i>	28.55 3.80		8.39
08 72 43 00-0020	LF	4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A) ..... <i>For Color Anodized Finish, Add</i>	35.08 6.22		10.48
08 72 43 00-0021	LF	5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A) ..... <i>For Color Anodized Finish, Add</i>	37.87 5.84		10.48
08 72 43 00-0022	LF	6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A) ..... <i>For Color Anodized Finish, Add</i>	40.23 4.91		10.48
08 72 43 00-0023	LF	7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A) ..... <i>For Color Anodized Finish, Add</i>	44.81 4.65		10.48
08 72 43 00-0024	LF	8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A) ..... <i>For Color Anodized Finish, Add</i>	55.50 8.42		12.58
08 72 43 00-0025	LF	9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A) ..... <i>For Color Anodized Finish, Add</i>	58.51 10.82		12.58
08 72 43 00-0026	LF	10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A) ..... <i>For Color Anodized Finish, Add</i>	61.51 12.02		12.58
08 72 43 00-0027		<b>Brass/Bronze Saddle Thresholds</b> (08 72 43 00-0003)			
08 72 43 00-0028		<b>3/16" Height, Brass/Bronze Saddle Thresholds</b> (08 72 43 00-0027)			
08 72 43 00-0029	LF	2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B).....	77.78		8.39
08 72 43 00-0030		<b>1/4" Height, Brass/Bronze Saddle Thresholds</b> (08 72 43 00-0027)			
08 72 43 00-0031	LF	3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B).....	121.24		8.39
08 72 43 00-0032	LF	4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B).....	146.53		10.48
08 72 43 00-0033	LF	5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B).....	176.61		10.48
08 72 43 00-0034	LF	6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B).....	205.86		10.48
08 72 43 00-0035	LF	7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B).....	239.28		10.48
08 72 43 00-0036	LF	8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B).....	307.21		12.58
08 72 43 00-0037		<b>1/2" Height, Brass/Bronze Saddle Thresholds</b> (08 72 43 00-0027)			
08 72 43 00-0038	LF	4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B).....	159.90		10.48
08 72 43 00-0039	LF	5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B).....	193.33		10.48
08 72 43 00-0040	LF	6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B).....	226.75		10.48
08 72 43 00-0041	LF	7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B).....	268.53		10.48
08 72 43 00-0042	LF	8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B).....	381.02		12.58
08 72 43 00-0043	LF	10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B).....	361.86		12.58
08 72 43 00-0044		<b>Stainless Steel Saddle Thresholds</b> (08 72 43 00-0003)			
08 72 43 00-0045		<b>1/2" Height, Stainless Steel Saddle Thresholds</b> (08 72 43 00-0044)			
08 72 43 00-0046	LF	4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS).....	134.83		10.48
08 72 43 00-0047	LF	5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS).....	143.19		10.48

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0048			Half Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0049			Aluminum Half Saddle Thresholds (08 72 43 00-0048) Note: Includes mill finish.		
08 72 43 00-0050			3/4" Height, Aluminum Half Saddle Thresholds (08 72 43 00-0049)		
08 72 43 00-0051	LF		5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A)..... For Color Anodized Finish, Add	40.56 5.74	10.48
08 72 43 00-0052	LF		7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A)..... For Color Anodized Finish, Add	50.97 2.48	10.48
08 72 43 00-0053			Offset Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0054			Aluminum Offset Saddle Thresholds (08 72 43 00-0053) Note: Includes mill finish.		
08 72 43 00-0055			1/2" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0056	LF		5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A)..... For Color Anodized Finish, Add	40.66 7.23	10.48
08 72 43 00-0057	LF		7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A)..... For Color Anodized Finish, Add	44.38 6.36	10.48
08 72 43 00-0058			3/4" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0059	LF		5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A)..... For Color Anodized Finish, Add	40.66 7.23	10.48
08 72 43 00-0060			1" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0061	LF		7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A)..... For Color Anodized Finish, Add	45.81 6.86	10.48
08 72 43 00-0062			Modular Ramp Thresholds (08 72 43 00-0001) Note: Includes mill finish.		
08 72 43 00-0063			Flush, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0064	LF		6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA)..... For Non-Slip Surfacing, Add	41.70 62.22	10.48
08 72 43 00-0065	LF		9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA)..... For Non-Slip Surfacing, Add	51.46 79.52	11.53
08 72 43 00-0066	LF		12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA)..... For Non-Slip Surfacing, Add	64.84 108.19	13.10
08 72 43 00-0067	LF		15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA)..... For Non-Slip Surfacing, Add	81.28 145.85	13.62
08 72 43 00-0068	LF		18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA)..... For Non-Slip Surfacing, Add	94.14 194.37	14.67
08 72 43 00-0069	LF		21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA)..... For Non-Slip Surfacing, Add	115.87 216.79	16.25
08 72 43 00-0070	LF		24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA)..... For Non-Slip Surfacing, Add	129.12 243.05	17.82
08 72 43 00-0071	LF		28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA)..... For Non-Slip Surfacing, Add	136.95 248.03	18.87
08 72 43 00-0072			3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0073	LF		12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA)..... For Non-Slip Surfacing, Add	68.80 115.02	13.10
08 72 43 00-0074	LF		15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA)..... For Non-Slip Surfacing, Add	80.10 142.67	13.62
08 72 43 00-0075	LF		18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA)..... For Non-Slip Surfacing, Add	99.66 177.35	15.73
08 72 43 00-0076	LF		22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA)..... For Non-Slip Surfacing, Add	116.46 215.59	16.78
08 72 43 00-0077	LF		25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA)..... For Non-Slip Surfacing, Add	133.21 253.68	17.82
08 72 43 00-0078	LF		28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA)..... For Non-Slip Surfacing, Add	145.42 279.97	18.87
08 72 43 00-0079	LF		31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA)..... For Non-Slip Surfacing, Add	176.92 356.43	19.92
08 72 43 00-0080			7" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0081	LF		16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA)..... For Non-Slip Surfacing, Add	79.21 142.52	14.15
08 72 43 00-0082	LF		19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA)..... For Non-Slip Surfacing, Add	92.59 171.19	15.73
08 72 43 00-0083	LF		22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA)..... For Non-Slip Surfacing, Add	110.06 206.60	16.78
08 72 43 00-0084	LF		25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA)..... For Non-Slip Surfacing, Add	122.93 235.68	17.82
08 72 43 00-0085	LF		28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA)..... For Non-Slip Surfacing, Add	143.61 275.26	18.87
08 72 43 00-0086	LF		31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA)..... For Non-Slip Surfacing, Add	155.81 301.55	19.92

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0087	LF		35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA) ..... <i>For Non-Slip Surfacing, Add</i>	179.02 342.73	20.96
08 72 43 00-0088			<b>Accessories For Aluminum Modular Ramp Thresholds</b> (08 72 43 00-0062)		
08 72 43 00-0089			<b>Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds</b> (08 72 43 00-0088)		
08 72 43 00-0090	PR		Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds ..... <i>For Non-Slip Surfacing, Add</i>	180.09 18.47	13.10
08 72 43 00-0091	PR		>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds ..... <i>For Non-Slip Surfacing, Add</i>	274.33 29.78	13.10
08 72 43 00-0092	PR		>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds ..... <i>For Non-Slip Surfacing, Add</i>	540.10 60.41	18.35
08 72 43 00-0093			<b>Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds</b> (08 72 43 00-0088)		
08 72 43 00-0094	PR		Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds..... <i>For Non-Slip Surfacing, Add</i>	180.09 18.47	13.10
08 72 43 00-0095	PR		>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds..... <i>For Non-Slip Surfacing, Add</i>	274.33 29.78	13.10
08 72 43 00-0096	PR		>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds..... <i>For Non-Slip Surfacing, Add</i>	540.10 60.41	18.35
08 72 43 00-0097			<b>Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0001) Note: Includes vinyl or pile seal.		
08 72 43 00-0098			<b>Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0097) Note: Includes mill finish.		
08 72 43 00-0099			<b>Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0098)		
08 72 43 00-0100			<b>7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0099)		
08 72 43 00-0101	LF		4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP) ..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	48.10 7.67 0.63	10.48
08 72 43 00-0102	LF		5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	40.80 7.30 0.63	10.48
08 72 43 00-0103	LF		6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP) ..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	52.68 9.27 0.63	10.48
08 72 43 00-0104	LF		7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP) ..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	54.69 9.97 0.63	10.48
08 72 43 00-0105			<b>1" Height, Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0099)		
08 72 43 00-0106	LF		3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP) ..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	39.08 6.44 0.63	10.48
08 72 43 00-0107	LF		5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	41.09 7.45 0.63	10.48
08 72 43 00-0108			<b>Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0096)		
08 72 43 00-0109			<b>7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0108)		
08 72 43 00-0110	LF		4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	43.24 6.82 0.63	10.48
08 72 43 00-0111	LF		5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	45.10 7.56 0.63	10.48
08 72 43 00-0112	LF		6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	47.82 7.57 0.63	10.48
08 72 43 00-0113	LF		7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	50.89 8.64 0.63	10.48
08 72 43 00-0114			<b>Brass/Bronze, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0097)		
08 72 43 00-0115			<b>Brass/Bronze, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0114)		
08 72 43 00-0116			<b>7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0115)		
08 72 43 00-0117	LF		4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV)..... <i>For Thermoseal, Add</i>	228.42 0.63	10.48
08 72 43 00-0118	LF		5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV)..... <i>For Thermoseal, Add</i>	211.71 0.63	10.48

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 72 43 00-0119	LF		6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV).....	305.30	10.48
				<i>For Thermoseal, Add</i>	0.63	
	08 72 43 00-0120	LF		7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV).....	272.88	10.48
				<i>For Thermoseal, Add</i>	0.63	
	<b>08 72 43 00-0121</b>			<b>1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0115)		
	08 72 43 00-0122	LF		5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV).....	224.74	10.48
				<i>For Thermoseal, Add</i>	0.63	
	<b>08 72 43 00-0123</b>			<b>Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0114)		
	<b>08 72 43 00-0124</b>			<b>7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0123)		
	08 72 43 00-0125	LF		4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV) .....	231.81	11.53
				<i>For Thermoseal, Add</i>	0.63	
	08 72 43 00-0126	LF		5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV) .....	243.35	11.53
				<i>For Thermoseal, Add</i>	0.63	
	08 72 43 00-0127	LF		6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV) .....	305.68	11.53
				<i>For Thermoseal, Add</i>	0.63	
	08 72 43 00-0128	LF		7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV) .....	277.88	12.05
				<i>For Thermoseal, Add</i>	0.63	
	<b>08 72 43 00-0129</b>			<b>Carpet Separator Thresholds</b> (08 72 43 00-0001)		
	<b>08 72 43 00-0130</b>			<b>Aluminum, Carpet Separator Thresholds</b> (08 72 43 00-0129) Note: Includes mill finish.		
	<b>08 72 43 00-0131</b>			<b>3/8" Height, Aluminum, Carpet Separator Thresholds</b> (08 72 43 00-0130)		
	08 72 43 00-0132	LF		2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C).....	29.69	8.39
				<i>For Color Anodized Finish, Add</i>	3.49	
	<b>08 72 43 00-0133</b>			<b>7/16" Height, Aluminum, Carpet Separator Thresholds</b> (08 72 43 00-0130)		
	08 72 43 00-0134	LF		1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A).....	24.36	7.34
				<i>For Color Anodized Finish, Add</i>	2.10	
	08 72 43 00-0135	LF		4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A).....	36.94	8.39
				<i>For Color Anodized Finish, Add</i>	4.30	
	08 72 43 00-0136	LF		6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A).....	42.95	8.39
				<i>For Color Anodized Finish, Add</i>	6.70	
	<b>08 72 43 00-0137</b>			<b>1/2" Height, Aluminum, Carpet Separator Thresholds</b> (08 72 43 00-0130)		
	08 72 43 00-0138	LF		1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A).....	22.50	7.34
				<i>For Color Anodized Finish, Add</i>	1.04	
	<b>08 72 43 00-0139</b>			<b>3/4" Height, Aluminum, Carpet Separator Thresholds</b> (08 72 43 00-0130)		
	08 72 43 00-0140	LF		1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A).....	24.36	7.34
				<i>For Color Anodized Finish, Add</i>	1.80	
	08 72 43 00-0141	LF		3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A).....	37.37	10.48
				<i>For Color Anodized Finish, Add</i>	4.47	
	08 72 43 00-0142	LF		4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A).....	39.08	10.48
				<i>For Color Anodized Finish, Add</i>	3.86	
	<b>08 72 43 00-0143</b>			<b>Brass/Bronze, Carpet Separator Thresholds</b> (08 72 43 00-0129)		
	<b>08 72 43 00-0144</b>			<b>3/8" Height, Brass/Bronze, Carpet Separator Thresholds</b> (08 72 43 00-0143)		
	08 72 43 00-0145	LF		2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B).....	123.07	8.39
	<b>08 72 43 00-0146</b>			<b>7/16" Height, Brass/Bronze, Carpet Separator Thresholds</b> (08 72 43 00-0143)		
	08 72 43 00-0147	LF		1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B) .....	163.12	7.34
	08 72 43 00-0148	LF		4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B) .....	147.37	10.48
	<b>08 72 43 00-0149</b>			<b>Vinyl Transition Thresholds</b> (08 72 43 00-0001) Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
	<b>08 72 43 00-0150</b>			<b>Carpet To Carpet, Vinyl Transition Thresholds</b> (08 72 43 00-0149) Note: Serves as a transition where carpet meets carpet beneath a door.		
	08 72 43 00-0151	LF		2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL).....	34.94	8.39
	<b>08 72 43 00-0152</b>			<b>Carpet To Tile, Vinyl Transition Thresholds</b> (08 72 43 00-0149) Note: Serves as a transition where carpet meets tile beneath a door.		
	08 72 43 00-0153	LF		2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL).....	34.94	8.39

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 72 43 00-0154		<b>Carpet To Concrete, Vinyl Transition Thresholds</b> (08 72 43 00-0149) Note: Serves as a transition where carpet meets concrete beneath a door.			
08 72 43 00-0155	LF	3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL).....	38.10		10.48
08 72 43 00-0156		<b>Carpet To VCT Tile, Vinyl Transition Thresholds</b> (08 72 43 00-0149) Note: Serves as a transition where carpet meets VCT Tile beneath a door.			
08 72 43 00-0157	LF	3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL).....	40.42		10.48
08 72 43 00-0158		<b>Residential Thresholds</b> (08 72 43 00-0001)			
08 72 43 00-0159		<b>Wood Residential Thresholds</b> (08 72 43 00-0158)			
08 72 43 00-0160	LF	1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W).....	15.72		5.24
08 72 43 00-0161	LF	1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W).....	16.20		5.24
08 72 43 00-0162	LF	3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W).....	21.24		5.58
08 72 43 00-0163	LF	3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W).....	21.63		5.79
08 72 43 00-0164	LF	5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W).....	31.58		5.95
08 72 43 00-0165		<b>Vinyl Top, Wood Residential Thresholds</b> (08 72 43 00-0158)			
08 72 43 00-0166	LF	1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK).....	18.35		5.24
08 72 43 00-0167	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK).....	22.06		5.79
08 72 43 00-0168	LF	3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK).....	38.81		5.79
08 72 43 00-0169		<b>Vinyl Top, Aluminum Residential Thresholds</b> (08 72 43 00-0158)			
08 72 43 00-0170	LF	1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV).....	18.40		5.24
		<i>For Color Anodized Finish, Add</i>	2.12		
08 72 43 00-0171	LF	3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV).....	21.34		5.79
		<i>For Color Anodized Finish, Add</i>	2.75		
08 72 43 00-0172	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV).....	22.49		5.79
		<i>For Color Anodized Finish, Add</i>	3.21		
08 72 43 00-0173		<b>Interlocking Residential Thresholds</b> (08 72 43 00-0158)			
08 72 43 00-0174		<b>Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0173)			
08 72 43 00-0175		<b>1/2" Height, Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0174)			
08 72 43 00-0176	LF	4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A).....	38.21		5.95
		<i>For Color Anodized Finish, Add</i>	7.00		
08 72 43 00-0177		<b>5/8" Height, Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0174)			
08 72 43 00-0178	LF	3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A).....	26.12		5.58
		<i>For Color Anodized Finish, Add</i>	3.65		
08 72 43 00-0179	LF	3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A).....	24.06		5.79
		<i>For Color Anodized Finish, Add</i>	4.80		
08 72 43 00-0180	LF	4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A).....	27.62		5.95
		<i>For Color Anodized Finish, Add</i>	3.82		
08 72 43 00-0181		<b>7/8" Height, Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0174)			
08 72 43 00-0182	LF	4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A).....	29.91		5.95
		<i>For Color Anodized Finish, Add</i>	7.52		
08 72 43 00-0183		<b>Brass/Bronze Interlocking Residential Thresholds</b> (08 72 43 00-0173)			
08 72 43 00-0184		<b>1/2" Height, Brass/Bronze Interlocking Residential Thresholds</b> (08 72 43 00-0183)			
08 72 43 00-0185	LF	4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B).....	169.47		5.95
08 72 43 00-0186		<b>5/8" Height, Brass/Bronze Interlocking Residential Thresholds</b> (08 72 43 00-0183)			
08 72 43 00-0187	LF	3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B).....	127.28		5.79
08 72 43 00-0188		<b>7/8" Height, Brass/Bronze Interlocking Residential Thresholds</b> (08 72 43 00-0183)			
08 72 43 00-0189	LF	4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B).....	173.65		5.95
08 72 43 00-0190	LF	5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B).....	249.29		6.12
08 72 43 00-0191		<b>Residential Door Sills</b> (08 72 43 00-0001)			
08 72 43 00-0192		<b>Fixed Aluminum Residential Door Sills</b> (08 72 43 00-0191)			
08 72 43 00-0193	LF	4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A).....	23.04		5.95
		<i>For Color Anodized Finish, Add</i>	4.08		
08 72 43 00-0194	LF	5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A).....	24.59		6.12
		<i>For Color Anodized Finish, Add</i>	3.71		
08 72 43 00-0195		<b>Adjustable Aluminum Top, Aluminum Residential Door Sills</b> (08 72 43 00-0191)			
08 72 43 00-0196	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A).....	31.78		5.95
		<i>For Color Anodized Finish, Add</i>	5.92		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0197	LF		5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A)..... <i>For Color Anodized Finish, Add</i>	32.64 6.07	6.12
<b>08 72 43 00-0198 Adjustable Wood Top, Aluminum Residential Door Sills (08 72 43 00-0191)</b>					
08 72 43 00-0199	LF		3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW)..... <i>For Color Anodized Finish, Add</i>	32.06 6.16	5.79
08 72 43 00-0200	LF		4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW)..... <i>For Color Anodized Finish, Add</i>	32.47 4.40	5.95
08 72 43 00-0201	LF		5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW)..... <i>For Color Anodized Finish, Add</i>	33.85 4.64	6.12
<b>08 72 43 00-0202 Extenders For Aluminum Residential Door Sills (08 72 43 00-0191)</b>					
08 72 43 00-0203	LF		3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A) ..... <i>For Color Anodized Finish, Add</i>	14.06 2.51	5.24
08 72 43 00-0204	LF		2" Extender For Aluminum Residential Door Sills (Pemko EXT2A) ..... <i>For Color Anodized Finish, Add</i>	15.20 2.36	5.24
08 72 43 00-0205	LF		3" Extender For Aluminum Residential Door Sills (Pemko EXT3A) ..... <i>For Color Anodized Finish, Add</i>	16.35 1.47	5.24
<b>08 72 43 00-0206 Stone Thresholds (08 72 43 00-0001)</b>					
<b>08 72 43 00-0207 Marble Thresholds (08 72 43 00-0206)</b>					
08 72 43 00-0208	LF		2" Width, 5/8" Height, Plain Marble Threshold .....	19.14	7.67
08 72 43 00-0209	LF		4" Width, 5/8" Height, Plain Marble Threshold .....	20.67	7.67
08 72 43 00-0210	LF		6" Width, 5/8" Height, Plain Marble Threshold .....	22.71	7.67
08 72 43 00-0211	LF		4" Width, 7/8" Height, Plain Marble Threshold .....	27.35	7.67
08 72 43 00-0212	LF		6" Width, 7/8" Height, Plain Marble Threshold .....	32.73	7.67
<b>08 72 43 00-0213 Corian Thresholds (08 72 43 00-0206)</b>					
08 72 43 00-0214	LF		Up To 5-3/4" Width, Corian Threshold .....	66.45	8.70
<b>08 75 Window Hardware (08 70)</b>					
<b>08 75 13 Automatic Window Equipment (08 75)</b>					
<b>08 75 13 00-0001 Window Opener Electric, With 1/2 HP Motor (08 75 13)</b>					
08 75 13 00-0002	EA		Gym Window Electronic Opener .....	1,467.39	223.37
<b>08 78 Special Function Hardware (08 70)</b>					
<b>08 78 00 00-0001 Pad Locks (08 78)</b>					
08 78 00 00-0002	EA		Combination Padlock .....	20.85	5.24
08 78 00 00-0003	EA		Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height .....	47.41	5.24
08 78 00 00-0004	EA		Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height .....	43.81	5.24
08 78 00 00-0005	EA		Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height .....	48.27	5.24
08 78 00 00-0006	EA		Commercial U-Bar Lock .....	58.58	5.24
08 78 00 00-0007	EA		Weather Tough Padlocks Keyed Alike .....	49.17	5.24
08 78 00 00-0008	EA		High Security Padlocks .....	44.40	5.24
08 78 00 00-0009	EA		Standard Key, Medium Security Padlock Keyed Alike .....	23.47	5.24
08 78 00 00-0010	EA		Russwin Padlock With 01H Padlock .....	52.56	5.24
<b>08 79 Hardware Accessories (08 70)</b>					
<b>08 79 13 Key Storage Equipment (08 79)</b>					
<b>08 79 13 00-0001 Key Cabinet (08 79 13)</b>					
<b>08 79 13 00-0002 Key Cabinets (08 79 13 00-0001)</b>					
08 79 13 00-0003	EA		Wall Mounted Key Cabinet, Up To 30 Keys .....	359.59	18.87
08 79 13 00-0004	EA		Wall Mounted Key Cabinet, Up To 60 Keys .....	484.25	20.96
08 79 13 00-0005	EA		Wall Mounted Key Cabinet, Up To 240 Keys .....	1,082.06	31.45
08 79 13 00-0006	EA		Wall Mounted Key Cabinet, Up To 1,200 Keys .....	2,777.19	41.93
08 79 13 00-0007	EA		Drawer Type Key Cabinet, Up To 600 Keys .....	2,958.38	27.78
08 79 13 00-0008	EA		Drawer Type Key Cabinet, Up To 2,400 Keys .....	6,670.58	20.96
08 79 13 00-0009	EA		Tray Type Key Cabinet, Up To 20 Keys .....	151.44	8.39
08 79 13 00-0010	EA		Tray Type Key Cabinet, Up To 50 Keys .....	215.48	10.48
<b>08 79 13 00-0011 Key Boxes Wall Mounted On Any Type Wall, With Anchor (08 79 13 00-0001)</b>					
08 79 13 00-0012	EA		Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High .....	208.02	15.74
08 79 13 00-0013	EA		Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High .....	234.96	15.74
08 79 13 00-0014	EA		Relocate 10" Wide x 12" High x 3" Deep Metal Key Box .....	53.48	
			Note: Including Storage And Cleaning		
08 79 13 00-0015	EA		Relocate Heavy Duty Key Box, With Combo Lock Door .....	120.60	
			Note: Including Storage And Cleaning		

**08 Openings****08 70 Hardware****08 79 Hardware Accessories**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**08 80 Glazing** (08)

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks. Demolition for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

**08 81 Glass Glazing** (08 80)**08 81 23 Exterior Glass Glazing** (08 81)**08 81 23 13 Factory Installed Glass Glazing** (08 81 23)**08 81 23 13-001 Clear Float Factory Installed Glass** (08 81 23 13)**08 81 23 13-002 Clear Float Factory Installed Glass** (08 81 23 13-001)

Note: Type I, Class I, Quality Q3.

08 81 23 13-003	SF 1/8" Thick, Clear Float Factory Installed Glass .....	3.02
	For >50 To 200, Deduct	-0.09
	For >200 To 400, Deduct	-0.18
	For >400, Deduct	-0.27
	For Tinted Glass, Add	0.76
	For Reflective Coated Glass, Add	1.36
	For Low-E Coated Glass, Add	0.76
08 81 23 13-004	SF 3/16" Thick, Clear Float Factory Installed Glass .....	3.24
	For >50 To 200, Deduct	-0.10
	For >200 To 400, Deduct	-0.19
	For >400, Deduct	-0.29
	For Tinted Glass, Add	0.81
	For Reflective Coated Glass, Add	1.46
	For Low-E Coated Glass, Add	0.81
08 81 23 13-005	SF 1/4" Thick, Clear Float Factory Installed Glass .....	3.93
	For >50 To 200, Deduct	-0.12
	For >200 To 400, Deduct	-0.24
	For >400, Deduct	-0.35
	For Tinted Glass, Add	0.98
	For Reflective Coated Glass, Add	1.77
	For Low-E Coated Glass, Add	0.98
08 81 23 13-006	SF 5/16" Thick, Clear Float Factory Installed Glass .....	6.54
	For >50 To 200, Deduct	-0.20
	For >200 To 400, Deduct	-0.39
	For >400, Deduct	-0.59
	For Tinted Glass, Add	1.64
	For Reflective Coated Glass, Add	2.94
	For Low-E Coated Glass, Add	1.64
08 81 23 13-007	SF 3/8" Thick, Clear Float Factory Installed Glass .....	9.51
	For >50 To 200, Deduct	-0.29
	For >200 To 400, Deduct	-0.57
	For >400, Deduct	-0.86
	For Tinted Glass, Add	2.38
	For Reflective Coated Glass, Add	4.28
	For Low-E Coated Glass, Add	2.38
08 81 23 13-008	SF 1/2" Thick, Clear Float Factory Installed Glass .....	10.45
	For >50 To 200, Deduct	-0.31
	For >200 To 400, Deduct	-0.63
	For >400, Deduct	-0.94
	For Tinted Glass, Add	2.61
	For Reflective Coated Glass, Add	4.70
	For Low-E Coated Glass, Add	2.61
08 81 23 13-009	SF 5/8" Thick, Clear Float Factory Installed Glass .....	12.50
	For >50 To 200, Deduct	-0.38
	For >200 To 400, Deduct	-0.75
	For >400, Deduct	-1.13
	For Tinted Glass, Add	3.13
	For Reflective Coated Glass, Add	5.63
	For Low-E Coated Glass, Add	3.13
08 81 23 13-010	SF 3/4" Thick, Clear Float Factory Installed Glass .....	15.44
	For >50 To 200, Deduct	-0.46
	For >200 To 400, Deduct	-0.93
	For >400, Deduct	-1.39
	For Tinted Glass, Add	3.86
	For Reflective Coated Glass, Add	6.95
	For Low-E Coated Glass, Add	3.86

**08 81 23 13-011 Heat Treated Factory Installed Glass** (08 81 23 13)**08 81 23 13-012 Tempered, Clear Float Factory Installed Glass** (08 81 23 13-011)

Note: Type I, Class I, Quality Q3.

08 81 23 13-013	SF 1/8" Thick, Tempered, Clear Float Factory Installed Glass .....	4.39
	For >50 To 200, Deduct	-0.13
	For >200 To 400, Deduct	-0.26
	For >400, Deduct	-0.40
	For Tinted Glass, Add	1.10
	For Reflective Coated Glass, Add	1.98
	For Low-E Coated Glass, Add	1.10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0014	SF		3/16" Thick, Tempered, Clear Float Factory Installed Glass .....	4.69	
			<i>For &gt;50 To 200, Deduct</i>	-0.14	
			<i>For &gt;200 To 400, Deduct</i>	-0.28	
			<i>For &gt;400, Deduct</i>	-0.42	
			<i>For Tinted Glass, Add</i>	1.17	
			<i>For Reflective Coated Glass, Add</i>	2.11	
			<i>For Low-E Coated Glass, Add</i>	1.17	
08 81 23 13-0015	SF		1/4" Thick, Tempered, Clear Float Factory Installed Glass .....	5.70	
			<i>For &gt;50 To 200, Deduct</i>	-0.17	
			<i>For &gt;200 To 400, Deduct</i>	-0.34	
			<i>For &gt;400, Deduct</i>	-0.51	
			<i>For Tinted Glass, Add</i>	1.43	
			<i>For Reflective Coated Glass, Add</i>	2.57	
			<i>For Low-E Coated Glass, Add</i>	1.43	
08 81 23 13-0016	SF		5/16" Thick, Tempered, Clear Float Factory Installed Glass .....	9.49	
			<i>For &gt;50 To 200, Deduct</i>	-0.28	
			<i>For &gt;200 To 400, Deduct</i>	-0.57	
			<i>For &gt;400, Deduct</i>	-0.85	
			<i>For Tinted Glass, Add</i>	2.37	
			<i>For Reflective Coated Glass, Add</i>	4.27	
			<i>For Low-E Coated Glass, Add</i>	2.37	
08 81 23 13-0017	SF		3/8" Thick, Tempered, Clear Float Factory Installed Glass .....	13.79	
			<i>For &gt;50 To 200, Deduct</i>	-0.41	
			<i>For &gt;200 To 400, Deduct</i>	-0.83	
			<i>For &gt;400, Deduct</i>	-1.24	
			<i>For Tinted Glass, Add</i>	3.45	
			<i>For Reflective Coated Glass, Add</i>	6.21	
			<i>For Low-E Coated Glass, Add</i>	3.45	
08 81 23 13-0018	SF		1/2" Thick, Tempered, Clear Float Factory Installed Glass .....	15.15	
			<i>For &gt;50 To 200, Deduct</i>	-0.45	
			<i>For &gt;200 To 400, Deduct</i>	-0.91	
			<i>For &gt;400, Deduct</i>	-1.36	
			<i>For Tinted Glass, Add</i>	3.79	
			<i>For Reflective Coated Glass, Add</i>	6.82	
			<i>For Low-E Coated Glass, Add</i>	3.79	
08 81 23 13-0019	SF		5/8" Thick, Tempered, Clear Float Factory Installed Glass .....	18.13	
			<i>For &gt;50 To 200, Deduct</i>	-0.54	
			<i>For &gt;200 To 400, Deduct</i>	-1.09	
			<i>For &gt;400, Deduct</i>	-1.63	
			<i>For Tinted Glass, Add</i>	4.53	
			<i>For Reflective Coated Glass, Add</i>	8.16	
			<i>For Low-E Coated Glass, Add</i>	4.53	
08 81 23 13-0020	SF		3/4" Thick, Tempered, Clear Float Factory Installed Glass .....	22.40	
			<i>For &gt;50 To 200, Deduct</i>	-0.67	
			<i>For &gt;200 To 400, Deduct</i>	-1.34	
			<i>For &gt;400, Deduct</i>	-2.02	
			<i>For Tinted Glass, Add</i>	5.60	
			<i>For Reflective Coated Glass, Add</i>	10.08	
			<i>For Low-E Coated Glass, Add</i>	5.60	
08 81 23 13-0021			<b>Patterned Factory Installed Glass</b> (08 81 23 13)		
08 81 23 13-0022			<b>Rough Obscure, Factory Installed Glass</b> (08 81 23 13-0021)		
			Note: Class II, Form 3, Finish F1.		
08 81 23 13-0023	SF		1/4" Thick, Rough Obscure, Factory Installed Glass .....	8.60	
08 81 23 13-0024			<b>Patterned, Figured Factory Installed Glass</b> (08 81 23 13-0021)		
			Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 13-0025	SF		1/8" Thick, Patterned, Figured Factory Installed Glass .....	5.23	
08 81 23 13-0026	SF		7/32" Thick, Patterned, Figured Factory Installed Glass .....	5.23	
08 81 23 13-0027			<b>Wired Factory Installed Glass</b> (08 81 23 13)		
08 81 23 13-0028			<b>Square Or Diamond Pattern, Wired Factory Installed Glass</b> (08 81 23 13-0027)		
			Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029	SF		1/4" Thick, Square Pattern, Wired Factory Installed Glass .....	13.52	
08 81 23 13-0030	SF		1/4" Thick, Diamond Pattern, Wired Factory Installed Glass .....	13.52	
08 81 23 13-0031			<b>Polished, Wired Factory Installed Glass</b> (08 81 23 13-0027)		
08 81 23 13-0032	SF		1/4" Thick, Polished, Wired Factory Installed Glass .....	14.78	
08 81 23 13-0033			<b>Frosted Factory Installed Glass</b> (08 81 23 13)		
08 81 23 13-0034			<b>Frosted Factory Installed Glass</b> (08 81 23 13-0033)		
08 81 23 13-0035	SF		1/8" Thick, Frosted Factory Installed Glass .....	6.84	
			<i>For &gt;50 To 200, Deduct</i>	-0.21	
			<i>For &gt;200 To 400, Deduct</i>	-0.41	
			<i>For &gt;400, Deduct</i>	-0.62	
08 81 23 13-0036	SF		3/16" Thick, Frosted Factory Installed Glass .....	8.97	
			<i>For &gt;50 To 200, Deduct</i>	-0.27	
			<i>For &gt;200 To 400, Deduct</i>	-0.54	
			<i>For &gt;400, Deduct</i>	-0.81	

**08 Openings****08 80 Glazing****08 81 Glass Glazing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 81 23 13-0037	SF 1/4" Thick, Frosted Factory Installed Glass.....	11.34	
	<i>For &gt;50 To 200, Deduct</i>	-0.34	
	<i>For &gt;200 To 400, Deduct</i>	-0.68	
	<i>For &gt;400, Deduct</i>	-1.02	
08 81 23 13-0038	SF 3/8" Thick, Frosted Factory Installed Glass.....	16.95	
	<i>For &gt;50 To 200, Deduct</i>	-0.51	
	<i>For &gt;200 To 400, Deduct</i>	-1.02	
	<i>For &gt;400, Deduct</i>	-1.53	
08 81 23 13-0039	Fire Rated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0040	Fire Rated Factory Installed Glass (08 81 23 13-0039)		
08 81 23 13-0041	SF 20 Minute, Fire Rated Factory Installed Glass .....	18.57	
08 81 23 13-0042	SF 45 Minute, Fire Rated Factory Installed Glass .....	36.96	
08 81 23 13-0043	SF 60 Minute, Fire Rated Factory Installed Glass .....	57.12	
08 81 23 13-0044	SF 90 Minute, Fire Rated Factory Installed Glass .....	75.60	
08 81 23 13-0045	Laminated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0046	Laminated Glass With PVB Interlayer, Factory Installed Glass (08 81 23 13-0045)		
	Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047	SF 1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass .....	12.05	
	<i>For &gt;50 To 200, Deduct</i>	-0.36	
	<i>For &gt;200 To 400, Deduct</i>	-0.72	
	<i>For &gt;400, Deduct</i>	-1.08	
	<i>For Tinted Glass, Add</i>	3.01	
	<i>For Reflective Coated Glass, Add</i>	5.42	
	<i>For Low-E Coated Glass, Add</i>	3.01	
	<i>For One Piece Heat Strengthened Glass, Add</i>	2.41	
	<i>For One Piece Fully Tempered Glass, Add</i>	2.41	
08 81 23 13-0048	SF 3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass .....	15.04	
	<i>For &gt;50 To 200, Deduct</i>	-0.45	
	<i>For &gt;200 To 400, Deduct</i>	-0.90	
	<i>For &gt;400, Deduct</i>	-1.35	
	<i>For Tinted Glass, Add</i>	3.76	
	<i>For Reflective Coated Glass, Add</i>	6.77	
	<i>For Low-E Coated Glass, Add</i>	3.76	
	<i>For One Piece Heat Strengthened Glass, Add</i>	3.01	
	<i>For One Piece Fully Tempered Glass, Add</i>	3.01	
08 81 23 13-0049	SF 1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass .....	20.44	
	<i>For &gt;50 To 200, Deduct</i>	-0.61	
	<i>For &gt;200 To 400, Deduct</i>	-1.23	
	<i>For &gt;400, Deduct</i>	-1.84	
	<i>For Tinted Glass, Add</i>	5.11	
	<i>For Reflective Coated Glass, Add</i>	9.20	
	<i>For Low-E Coated Glass, Add</i>	5.11	
	<i>For One Piece Heat Strengthened Glass, Add</i>	4.09	
	<i>For One Piece Fully Tempered Glass, Add</i>	4.09	
08 81 23 13-0050	Insulated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0051	Insulated, Factory Installed Glass (08 81 23 13-0050)		
	Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052	3/16" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051)		
	Note: Type I, Class I, Quality Q3.		
08 81 23 13-0053	SF 3/8" Thick, Insulated Factory Installed Glass .....	7.98	
	Note: Two 3/32" lites with 3/16" air space.		
	<i>For &gt;50 To 200, Deduct</i>	-0.24	
	<i>For &gt;200 To 400, Deduct</i>	-0.48	
	<i>For &gt;400, Deduct</i>	-0.72	
	<i>For Tinted Glass, Add</i>	2.00	
	<i>For Reflective Coated Glass, Add</i>	3.59	
	<i>For Low-E Coated Glass, Add</i>	2.00	
	<i>For One Piece Heat Strengthened Glass, Add</i>	1.60	
	<i>For One Piece Fully Tempered Glass, Add</i>	1.60	
	<i>For One Piece Obscure Glass, Add</i>	3.39	
	<i>For Argon Gas, Add</i>	1.10	
08 81 23 13-0054	SF 1/2" Thick, Insulated Factory Installed Glass .....	8.72	
	Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
	<i>For &gt;50 To 200, Deduct</i>	-0.26	
	<i>For &gt;200 To 400, Deduct</i>	-0.52	
	<i>For &gt;400, Deduct</i>	-0.78	
	<i>For Tinted Glass, Add</i>	2.18	
	<i>For Reflective Coated Glass, Add</i>	3.92	
	<i>For Low-E Coated Glass, Add</i>	2.18	
	<i>For One Piece Heat Strengthened Glass, Add</i>	1.74	
	<i>For One Piece Fully Tempered Glass, Add</i>	1.74	
	<i>For One Piece Obscure Glass, Add</i>	3.71	
	<i>For Argon Gas, Add</i>	1.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 81 23 13-0055	SF		9/16" Thick, Insulated Factory Installed Glass .....8.74 Note: Two 3/16" lites with 3/16" air space.		
			<i>For &gt;50 To 200, Deduct</i>	-0.26	
			<i>For &gt;200 To 400, Deduct</i>	-0.52	
			<i>For &gt;400, Deduct</i>	-0.79	
			<i>For Tinted Glass, Add</i>	2.19	
			<i>For Reflective Coated Glass, Add</i>	3.93	
			<i>For Low-E Coated Glass, Add</i>	2.19	
			<i>For One Piece Heat Strengthened Glass, Add</i>	1.75	
			<i>For One Piece Fully Tempered Glass, Add</i>	1.75	
			<i>For One Piece Obscure Glass, Add</i>	3.71	
			<i>For Argon Gas, Add</i>	1.20	

**08 81 23 13-0056 1/4" Air Space, Insulated, Factory Installed Glass** (08 81 23 13-0051)

Note: Type I, Class I, Quality Q3.

08 81 23 13-0057	SF		7/16" Thick, Insulated Factory Installed Glass .....8.22 Note: Two 3/32" lites with 1/4" air space.		
			<i>For &gt;50 To 200, Deduct</i>	-0.25	
			<i>For &gt;200 To 400, Deduct</i>	-0.49	
			<i>For &gt;400, Deduct</i>	-0.74	
			<i>For Tinted Glass, Add</i>	2.06	
			<i>For Reflective Coated Glass, Add</i>	3.70	
			<i>For Low-E Coated Glass, Add</i>	2.06	
			<i>For One Piece Heat Strengthened Glass, Add</i>	1.64	
			<i>For One Piece Fully Tempered Glass, Add</i>	1.64	
			<i>For One Piece Obscure Glass, Add</i>	3.49	
			<i>For Argon Gas, Add</i>	1.13	

08 81 23 13-0058	SF		1/2" Thick, Insulated Factory Installed Glass .....8.72 Note: Two 1/8" lites with 1/4" air space.		
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			<i>For &gt;50 To 200, Deduct</i>	-0.26	
			<i>For &gt;200 To 400, Deduct</i>	-0.52	
			<i>For &gt;400, Deduct</i>	-0.78	
			<i>For Tinted Glass, Add</i>	2.18	
			<i>For Reflective Coated Glass, Add</i>	3.92	
			<i>For Low-E Coated Glass, Add</i>	2.18	
			<i>For One Piece Heat Strengthened Glass, Add</i>	1.74	
			<i>For One Piece Fully Tempered Glass, Add</i>	1.74	
			<i>For One Piece Obscure Glass, Add</i>	3.71	
			<i>For Argon Gas, Add</i>	1.20	

08 81 23 13-0059	SF		5/8" Thick, Insulated Factory Installed Glass .....8.82 Note: Two 3/16" lites with 1/4" air space.		
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			<i>For &gt;50 To 200, Deduct</i>	-0.26	
			<i>For &gt;200 To 400, Deduct</i>	-0.53	
			<i>For &gt;400, Deduct</i>	-0.79	
			<i>For Tinted Glass, Add</i>	2.21	
			<i>For Reflective Coated Glass, Add</i>	3.97	
			<i>For Low-E Coated Glass, Add</i>	2.21	
			<i>For One Piece Heat Strengthened Glass, Add</i>	1.76	
			<i>For One Piece Fully Tempered Glass, Add</i>	1.76	
			<i>For One Piece Obscure Glass, Add</i>	3.75	
			<i>For Argon Gas, Add</i>	1.21	

08 81 23 13-0060	SF		5/8" Thick, Insulated Factory Installed Glass .....8.82 Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
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			<i>For &gt;50 To 200, Deduct</i>	-0.26	
			<i>For &gt;200 To 400, Deduct</i>	-0.53	
			<i>For &gt;400, Deduct</i>	-0.79	
			<i>For Tinted Glass, Add</i>	2.21	
			<i>For Reflective Coated Glass, Add</i>	3.97	
			<i>For Low-E Coated Glass, Add</i>	2.21	
			<i>For One Piece Heat Strengthened Glass, Add</i>	1.76	
			<i>For One Piece Fully Tempered Glass, Add</i>	1.76	
			<i>For One Piece Obscure Glass, Add</i>	3.75	
			<i>For Argon Gas, Add</i>	1.21	

08 81 23 13-0061	SF		3/4" Thick, Insulated Factory Installed Glass .....9.24 Note: Two 1/4" lites with 1/4" air space.		
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			<i>For &gt;50 To 200, Deduct</i>	-0.28	
			<i>For &gt;200 To 400, Deduct</i>	-0.55	
			<i>For &gt;400, Deduct</i>	-0.83	
			<i>For Tinted Glass, Add</i>	2.31	
			<i>For Reflective Coated Glass, Add</i>	4.16	
			<i>For Low-E Coated Glass, Add</i>	2.31	
			<i>For One Piece Heat Strengthened Glass, Add</i>	1.85	
			<i>For One Piece Fully Tempered Glass, Add</i>	1.85	
			<i>For One Piece Obscure Glass, Add</i>	3.93	
			<i>For Argon Gas, Add</i>	1.27	

**08 81 23 13-0062 3/8" Air Space, Insulated, Factory Installed Glass** (08 81 23 13-0051)

Note: Type I, Class I, Quality Q3.

**08 Openings****08 80 Glazing****08 81 Glass Glazing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 81 23 13-0063	SF 5/8" Thick, Insulated Factory Installed Glass ..... Note: Two 1/8" lites with 3/8" air space.	8.82	
	For >50 To 200, Deduct	-0.26	
	For >200 To 400, Deduct	-0.53	
	For >400, Deduct	-0.79	
	For Tinted Glass, Add	2.21	
	For Reflective Coated Glass, Add	3.97	
	For Low-E Coated Glass, Add	2.21	
	For One Piece Heat Strengthened Glass, Add	1.76	
	For One Piece Fully Tempered Glass, Add	1.76	
	For One Piece Obscure Glass, Add	3.75	
	For Argon Gas, Add	1.21	
08 81 23 13-0064	SF 3/4" Thick, Insulated Factory Installed Glass ..... Note: Two 3/16" lites with 3/8" air space.	9.24	
	For >50 To 200, Deduct	-0.28	
	For >200 To 400, Deduct	-0.55	
	For >400, Deduct	-0.83	
	For Tinted Glass, Add	2.31	
	For Reflective Coated Glass, Add	4.16	
	For Low-E Coated Glass, Add	2.31	
	For One Piece Heat Strengthened Glass, Add	1.85	
	For One Piece Fully Tempered Glass, Add	1.85	
	For One Piece Obscure Glass, Add	3.93	
	For Argon Gas, Add	1.27	
08 81 23 13-0065	SF 7/8" Thick, Insulated Factory Installed Glass ..... Note: Two 1/4" lites with 3/8" air space.	10.25	
	For >50 To 200, Deduct	-0.31	
	For >200 To 400, Deduct	-0.62	
	For >400, Deduct	-0.92	
	For Tinted Glass, Add	2.56	
	For Reflective Coated Glass, Add	4.61	
	For Low-E Coated Glass, Add	2.56	
	For One Piece Heat Strengthened Glass, Add	2.05	
	For One Piece Fully Tempered Glass, Add	2.05	
	For One Piece Obscure Glass, Add	4.36	
	For Argon Gas, Add	1.41	
08 81 23 13-0066	1/2" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0067	SF 3/4" Thick, Insulated Factory Installed Glass ..... Note: Two 1/8" lites with 1/2" air space.	9.24	
	For >50 To 200, Deduct	-0.28	
	For >200 To 400, Deduct	-0.55	
	For >400, Deduct	-0.83	
	For Tinted Glass, Add	2.31	
	For Reflective Coated Glass, Add	4.16	
	For Low-E Coated Glass, Add	2.31	
	For One Piece Heat Strengthened Glass, Add	1.85	
	For One Piece Fully Tempered Glass, Add	1.85	
	For One Piece Obscure Glass, Add	3.93	
	For Argon Gas, Add	1.27	
08 81 23 13-0068	SF 7/8" Thick, Insulated Factory Installed Glass ..... Note: Two 3/16" lites with 1/2" air space.	10.25	
	For >50 To 200, Deduct	-0.31	
	For >200 To 400, Deduct	-0.62	
	For >400, Deduct	-0.92	
	For Tinted Glass, Add	2.56	
	For Reflective Coated Glass, Add	4.61	
	For Low-E Coated Glass, Add	2.56	
	For One Piece Heat Strengthened Glass, Add	2.05	
	For One Piece Fully Tempered Glass, Add	2.05	
	For One Piece Obscure Glass, Add	4.36	
	For Argon Gas, Add	1.41	
08 81 23 13-0069	SF 7/8" Thick, Insulated Factory Installed Glass ..... Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	10.25	
	For >50 To 200, Deduct	-0.31	
	For >200 To 400, Deduct	-0.62	
	For >400, Deduct	-0.92	
	For Tinted Glass, Add	2.56	
	For Reflective Coated Glass, Add	4.61	
	For Low-E Coated Glass, Add	2.56	
	For One Piece Heat Strengthened Glass, Add	2.05	
	For One Piece Fully Tempered Glass, Add	2.05	
	For One Piece Obscure Glass, Add	4.36	
	For Argon Gas, Add	1.41	
08 81 23 13-0070	SF 1" Thick, Insulated Factory Installed Glass ..... Note: Two 1/4" lites with 1/2" air space.	11.21	
	For >50 To 200, Deduct	-0.34	
	For >200 To 400, Deduct	-0.67	
	For >400, Deduct	-1.01	
	For Tinted Glass, Add	2.80	
	For Reflective Coated Glass, Add	5.04	
	For Low-E Coated Glass, Add	2.80	
	For One Piece Heat Strengthened Glass, Add	2.24	
	For One Piece Fully Tempered Glass, Add	2.24	
	For One Piece Obscure Glass, Add	4.76	
	For Argon Gas, Add	1.54	

**08 81 23 23 Field Installed Glass Glazing (08 81 23)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 81 23 23-001			Clear Float Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-002			Clear Float Field Installed Glass <small>(08 81 23 23-0001)</small> Note: Type I, Class I, Quality Q3.		
08 81 23 23-0003	SF		1/8" Thick, Clear Float Field Installed Glass .....15.02 For >50 To 200, Deduct -0.09 For >200 To 400, Deduct -0.18 For >400, Deduct -0.27 For Glass Removal And Preparing Opening For New Glazing, Add 12.00 For Tinted Glass, Add 0.76 For Reflective Coated Glass, Add 1.36 For Low-E Coated Glass, Add 0.76		
08 81 23 23-0004	SF		3/16" Thick, Clear Float Field Installed Glass .....16.16 For >50 To 200, Deduct -0.10 For >200 To 400, Deduct -0.19 For >400, Deduct -0.29 For Glass Removal And Preparing Opening For New Glazing, Add 12.92 For Tinted Glass, Add 0.81 For Reflective Coated Glass, Add 1.46 For Low-E Coated Glass, Add 0.81		
08 81 23 23-0005	SF		1/4" Thick, Clear Float Field Installed Glass .....17.77 For >50 To 200, Deduct -0.12 For >200 To 400, Deduct -0.24 For >400, Deduct -0.35 For Glass Removal And Preparing Opening For New Glazing, Add 13.84 For Tinted Glass, Add 0.98 For Reflective Coated Glass, Add 1.77 For Low-E Coated Glass, Add 0.98		
08 81 23 23-0006	SF		5/16" Thick, Clear Float Field Installed Glass .....22.23 For >50 To 200, Deduct -0.20 For >200 To 400, Deduct -0.39 For >400, Deduct -0.59 For Glass Removal And Preparing Opening For New Glazing, Add 15.69 For Tinted Glass, Add 1.64 For Reflective Coated Glass, Add 2.94 For Low-E Coated Glass, Add 1.64		
08 81 23 23-0007	SF		3/8" Thick, Clear Float Field Installed Glass .....27.05 For >50 To 200, Deduct -0.29 For >200 To 400, Deduct -0.57 For >400, Deduct -0.86 For Glass Removal And Preparing Opening For New Glazing, Add 17.54 For Tinted Glass, Add 2.38 For Reflective Coated Glass, Add 4.28 For Low-E Coated Glass, Add 2.38		
08 81 23 23-0008	SF		1/2" Thick, Clear Float Field Installed Glass .....29.84 For >50 To 200, Deduct -0.31 For >200 To 400, Deduct -0.63 For >400, Deduct -0.94 For Glass Removal And Preparing Opening For New Glazing, Add 19.39 For Tinted Glass, Add 2.61 For Reflective Coated Glass, Add 4.70 For Low-E Coated Glass, Add 2.61		
08 81 23 23-0009	SF		5/8" Thick, Clear Float Field Installed Glass .....36.50 For >50 To 200, Deduct -0.38 For >200 To 400, Deduct -0.75 For >400, Deduct -1.13 For Glass Removal And Preparing Opening For New Glazing, Add 24.00 For Tinted Glass, Add 3.13 For Reflective Coated Glass, Add 5.63 For Low-E Coated Glass, Add 3.13		
08 81 23 23-0010	SF		3/4" Thick, Clear Float Field Installed Glass .....44.06 For >50 To 200, Deduct -0.46 For >200 To 400, Deduct -0.93 For >400, Deduct -1.39 For Glass Removal And Preparing Opening For New Glazing, Add 28.62 For Tinted Glass, Add 3.86 For Reflective Coated Glass, Add 6.95 For Low-E Coated Glass, Add 3.86		

08 81 23 23-0011			Heat Treated Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0012			Tempered, Clear Float Field Installed Glass <small>(08 81 23 23-0011)</small> Note: Type I, Class I, Quality Q3.		
08 81 23 23-0013	SF		1/8" Thick, Tempered, Clear Float Field Installed Glass .....16.39 For >50 To 200, Deduct -0.13 For >200 To 400, Deduct -0.26 For >400, Deduct -0.40 For Glass Removal And Preparing Opening For New Glazing, Add 12.00 For Tinted Glass, Add 1.10 For Reflective Coated Glass, Add 1.98 For Low-E Coated Glass, Add 1.10		
08 81 23 23-0014	SF		3/16" Thick, Tempered, Clear Float Field Installed Glass .....17.61 For >50 To 200, Deduct -0.14 For >200 To 400, Deduct -0.28 For >400, Deduct -0.42 For Glass Removal And Preparing Opening For New Glazing, Add 12.92 For Tinted Glass, Add 1.17 For Reflective Coated Glass, Add 2.11 For Low-E Coated Glass, Add 1.17		

**08 Openings****08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0015	SF		1/4" Thick, Tempered, Clear Float Field Installed Glass .....	19.54	
			<i>For &gt;50 To 200, Deduct</i>	-0.17	
			<i>For &gt;200 To 400, Deduct</i>	-0.34	
			<i>For &gt;400, Deduct</i>	-0.51	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.84	
			<i>For Tinted Glass, Add</i>	1.43	
			<i>For Reflective Coated Glass, Add</i>	2.57	
			<i>For Low-E Coated Glass, Add</i>	1.43	
08 81 23 23-0016	SF		5/16" Thick, Tempered, Clear Float Field Installed Glass .....	25.18	
			<i>For &gt;50 To 200, Deduct</i>	-0.28	
			<i>For &gt;200 To 400, Deduct</i>	-0.57	
			<i>For &gt;400, Deduct</i>	-0.85	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	15.69	
			<i>For Tinted Glass, Add</i>	2.37	
			<i>For Reflective Coated Glass, Add</i>	4.27	
			<i>For Low-E Coated Glass, Add</i>	2.37	
08 81 23 23-0017	SF		3/8" Thick, Tempered, Clear Float Field Installed Glass .....	31.33	
			<i>For &gt;50 To 200, Deduct</i>	-0.41	
			<i>For &gt;200 To 400, Deduct</i>	-0.83	
			<i>For &gt;400, Deduct</i>	-1.24	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	17.54	
			<i>For Tinted Glass, Add</i>	3.45	
			<i>For Reflective Coated Glass, Add</i>	6.21	
			<i>For Low-E Coated Glass, Add</i>	3.45	
08 81 23 23-0018	SF		1/2" Thick, Tempered, Clear Float Field Installed Glass .....	34.54	
			<i>For &gt;50 To 200, Deduct</i>	-0.45	
			<i>For &gt;200 To 400, Deduct</i>	-0.91	
			<i>For &gt;400, Deduct</i>	-1.36	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.39	
			<i>For Tinted Glass, Add</i>	3.79	
			<i>For Reflective Coated Glass, Add</i>	6.82	
			<i>For Low-E Coated Glass, Add</i>	3.79	
08 81 23 23-0019	SF		5/8" Thick, Tempered, Clear Float Field Installed Glass .....	42.13	
			<i>For &gt;50 To 200, Deduct</i>	-0.54	
			<i>For &gt;200 To 400, Deduct</i>	-1.09	
			<i>For &gt;400, Deduct</i>	-1.63	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	24.00	
			<i>For Tinted Glass, Add</i>	4.53	
			<i>For Reflective Coated Glass, Add</i>	8.16	
			<i>For Low-E Coated Glass, Add</i>	4.53	
08 81 23 23-0020	SF		3/4" Thick, Tempered, Clear Float Field Installed Glass .....	51.02	
			<i>For &gt;50 To 200, Deduct</i>	-0.67	
			<i>For &gt;200 To 400, Deduct</i>	-1.34	
			<i>For &gt;400, Deduct</i>	-2.02	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	28.62	
			<i>For Tinted Glass, Add</i>	5.60	
			<i>For Reflective Coated Glass, Add</i>	10.08	
			<i>For Low-E Coated Glass, Add</i>	5.60	
08 81 23 23-0021			Patterned Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0022			Rough Obscure Field Installed Glass <small>(08 81 23 23-0021)</small>		
			Note: Class II, Form 3, Finish F1.		
08 81 23 23-0023	SF		1/4" Thick, Rough Obscure Field Installed Glass .....	22.44	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.84	
08 81 23 23-0024			Patterned, Figured Field Installed Glass <small>(08 81 23 23-0021)</small>		
			Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 23-0025	SF		1/8" Thick, Patterned, Figured Field Installed Glass .....	17.23	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.00	
08 81 23 23-0026	SF		7/32" Thick, Patterned, Figured Field Installed Glass .....	18.61	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.38	
08 81 23 23-0027			Wired Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0028			Square Or Diamond Pattern, Wired Field Installed Glass <small>(08 81 23 23-0027)</small>		
			Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 23-0029	SF		1/4" Thick, Square Pattern, Wired Field Installed Glass .....	27.36	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.84	
08 81 23 23-0030	SF		1/4" Thick, Diamond Pattern, Wired Field Installed Glass .....	27.36	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.84	
08 81 23 23-0031			Polished, Wired Field Installed Glass <small>(08 81 23 23-0027)</small>		
08 81 23 23-0032	SF		1/4" Thick, Polished, Wired Field Installed Glass .....	28.62	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.84	
08 81 23 23-0033			Frosted Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0034			Frosted Field Installed Glass <small>(08 81 23 23-0033)</small>		
08 81 23 23-0035	SF		1/8" Thick, Frosted Field Installed Glass .....	18.84	
			<i>For &gt;50 To 200, Deduct</i>	-0.21	
			<i>For &gt;200 To 400, Deduct</i>	-0.41	
			<i>For &gt;400, Deduct</i>	-0.62	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 81 23 23-0036	SF		3/16" Thick, Frosted Field Installed Glass.....	21.89	
			<i>For &gt;50 To 200, Deduct</i>	-0.27	
			<i>For &gt;200 To 400, Deduct</i>	-0.54	
			<i>For &gt;400, Deduct</i>	-0.81	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.92	
08 81 23 23-0037	SF		1/4" Thick, Frosted Field Installed Glass.....	25.18	
			<i>For &gt;50 To 200, Deduct</i>	-0.34	
			<i>For &gt;200 To 400, Deduct</i>	-0.68	
			<i>For &gt;400, Deduct</i>	-1.02	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.84	
08 81 23 23-0038	SF		3/8" Thick, Frosted Field Installed Glass.....	34.49	
			<i>For &gt;50 To 200, Deduct</i>	-0.51	
			<i>For &gt;200 To 400, Deduct</i>	-1.02	
			<i>For &gt;400, Deduct</i>	-1.53	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	17.54	
<b>08 81 23 23-0039</b>			<b>Fire Rated Field Installed Glass</b> (08 81 23 23)		
<b>08 81 23 23-0040</b>			<b>Fire Rated Field Installed Glass</b> (08 81 23 23-0039)		
08 81 23 23-0041	SF		20 Minute, Fire Rated Field Installed Glass.....	32.41	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.84	
08 81 23 23-0042	SF		45 Minute, Fire Rated Field Installed Glass.....	50.80	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.84	
08 81 23 23-0043	SF		60 Minute, Fire Rated Field Installed Glass.....	70.96	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.84	
08 81 23 23-0044	SF		90 Minute, Fire Rated Field Installed Glass.....	89.44	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.84	
<b>08 81 23 23-0045</b>			<b>Laminated Field Installed Glass</b> (08 81 23 23)		
<b>08 81 23 23-0046</b>			<b>Laminated Glass With PVB Interlayer, Field Installed Glass</b> (08 81 23 23-0045)		
			Note: Type I, Class I, Quality Q3.		
08 81 23 23-0047	SF		1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	25.89	
			<i>For &gt;50 To 200, Deduct</i>	-0.36	
			<i>For &gt;200 To 400, Deduct</i>	-0.72	
			<i>For &gt;400, Deduct</i>	-1.08	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.84	
			<i>For Tinted Glass, Add</i>	3.01	
			<i>For Reflective Coated Glass, Add</i>	5.42	
			<i>For Low-E Coated Glass, Add</i>	3.01	
			<i>For One Piece Heat Strengthened Glass, Add</i>	2.41	
			<i>For One Piece Fully Tempered Glass, Add</i>	2.41	
08 81 23 23-0048	SF		3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	32.58	
			<i>For &gt;50 To 200, Deduct</i>	-0.45	
			<i>For &gt;200 To 400, Deduct</i>	-0.90	
			<i>For &gt;400, Deduct</i>	-1.35	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	17.54	
			<i>For Tinted Glass, Add</i>	3.76	
			<i>For Reflective Coated Glass, Add</i>	6.77	
			<i>For Low-E Coated Glass, Add</i>	3.76	
			<i>For One Piece Heat Strengthened Glass, Add</i>	3.01	
			<i>For One Piece Fully Tempered Glass, Add</i>	3.01	
08 81 23 23-0049	SF		1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	39.83	
			<i>For &gt;50 To 200, Deduct</i>	-0.61	
			<i>For &gt;200 To 400, Deduct</i>	-1.23	
			<i>For &gt;400, Deduct</i>	-1.84	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.39	
			<i>For Tinted Glass, Add</i>	5.11	
			<i>For Reflective Coated Glass, Add</i>	9.20	
			<i>For Low-E Coated Glass, Add</i>	5.11	
			<i>For One Piece Heat Strengthened Glass, Add</i>	4.09	
			<i>For One Piece Fully Tempered Glass, Add</i>	4.09	
08 81 23 23-0050	SF		9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	42.84	
			<i>For &gt;50 To 200, Deduct</i>	-0.69	
			<i>For &gt;200 To 400, Deduct</i>	-1.38	
			<i>For &gt;400, Deduct</i>	-2.07	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.85	
			<i>For Tinted Glass, Add</i>	5.75	
			<i>For Reflective Coated Glass, Add</i>	10.35	
			<i>For Low-E Coated Glass, Add</i>	5.75	
			<i>For One Piece Heat Strengthened Glass, Add</i>	4.60	
			<i>For One Piece Fully Tempered Glass, Add</i>	4.60	
<b>08 81 23 23-0051</b>			<b>Insulated Field Installed Glass</b> (08 81 23 23)		
<b>08 81 23 23-0052</b>			<b>Insulated Glass, Field Installed Glass</b> (08 81 23 23-0051)		
			Note: Type I, Class I, Quality Q3.		
<b>08 81 23 23-0053</b>			<b>3/16" Air Space, Insulated, Field Installed Glass</b> (08 81 23 23-0052)		
			Note: Type I, Class I, Quality Q3.		

**08 Openings****08 80 Glazing****08 81 Glass Glazing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 81 23 23-0054	SF 3/8" Thick, Insulated Field Installed Glass.....	23.49	
	Note: Two 3/32" lites with 3/16" air space.		
	For >50 To 200, Deduct	-0.24	
	For >200 To 400, Deduct	-0.48	
	For >400, Deduct	-0.72	
	For Glass Removal And Preparing Opening For New Glazing, Add	15.51	
	For Tinted Glass, Add	2.00	
	For Reflective Coated Glass, Add	3.59	
	For Low-E Coated Glass, Add	2.00	
	For One Piece Heat Strengthened Glass, Add	1.60	
	For One Piece Fully Tempered Glass, Add	1.60	
	For One Piece Obscure Glass, Add	3.39	
	For Argon Gas, Add	1.10	
08 81 23 23-0055	SF 1/2" Thick, Insulated Field Installed Glass.....	24.87	
	Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
	For >50 To 200, Deduct	-0.26	
	For >200 To 400, Deduct	-0.52	
	For >400, Deduct	-0.78	
	For Glass Removal And Preparing Opening For New Glazing, Add	16.15	
	For Tinted Glass, Add	2.18	
	For Reflective Coated Glass, Add	3.92	
	For Low-E Coated Glass, Add	2.18	
	For One Piece Heat Strengthened Glass, Add	1.74	
	For One Piece Fully Tempered Glass, Add	1.74	
	For One Piece Obscure Glass, Add	3.71	
	For Argon Gas, Add	1.20	
08 81 23 23-0056	SF 9/16" Thick, Insulated Field Installed Glass.....	25.17	
	Note: Two 3/16" lites with 3/16" air space.		
	For >50 To 200, Deduct	-0.26	
	For >200 To 400, Deduct	-0.52	
	For >400, Deduct	-0.79	
	For Glass Removal And Preparing Opening For New Glazing, Add	16.43	
	For Tinted Glass, Add	2.19	
	For Reflective Coated Glass, Add	3.93	
	For Low-E Coated Glass, Add	2.19	
	For One Piece Heat Strengthened Glass, Add	1.75	
	For One Piece Fully Tempered Glass, Add	1.75	
	For One Piece Obscure Glass, Add	3.71	
	For Argon Gas, Add	1.20	
08 81 23 23-0057	1/4" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)		
	Note: Type I, Class I, Quality Q3.		
08 81 23 23-0058	SF 7/16" Thick, Insulated Field Installed Glass.....	24.01	
	Note: Two 3/32" lites with 1/4" air space.		
	For >50 To 200, Deduct	-0.25	
	For >200 To 400, Deduct	-0.49	
	For >400, Deduct	-0.74	
	For Glass Removal And Preparing Opening For New Glazing, Add	15.79	
	For Tinted Glass, Add	2.06	
	For Reflective Coated Glass, Add	3.70	
	For Low-E Coated Glass, Add	2.06	
	For One Piece Heat Strengthened Glass, Add	1.64	
	For One Piece Fully Tempered Glass, Add	1.64	
	For One Piece Obscure Glass, Add	3.49	
	For Argon Gas, Add	1.13	
08 81 23 23-0059	SF 1/2" Thick, Insulated Field Installed Glass.....	24.87	
	Note: Two 1/8" lites with 1/4" air space.		
	For >50 To 200, Deduct	-0.26	
	For >200 To 400, Deduct	-0.52	
	For >400, Deduct	-0.78	
	For Glass Removal And Preparing Opening For New Glazing, Add	16.15	
	For Tinted Glass, Add	2.18	
	For Reflective Coated Glass, Add	3.92	
	For Low-E Coated Glass, Add	2.18	
	For One Piece Heat Strengthened Glass, Add	1.74	
	For One Piece Fully Tempered Glass, Add	1.74	
	For One Piece Obscure Glass, Add	3.71	
	For Argon Gas, Add	1.20	
08 81 23 23-0060	SF 5/8" Thick, Insulated Field Installed Glass.....	26.05	
	Note: Two 3/16" lites with 1/4" air space.		
	For >50 To 200, Deduct	-0.26	
	For >200 To 400, Deduct	-0.53	
	For >400, Deduct	-0.79	
	For Glass Removal And Preparing Opening For New Glazing, Add	17.23	
	For Tinted Glass, Add	2.21	
	For Reflective Coated Glass, Add	3.97	
	For Low-E Coated Glass, Add	2.21	
	For One Piece Heat Strengthened Glass, Add	1.76	
	For One Piece Fully Tempered Glass, Add	1.76	
	For One Piece Obscure Glass, Add	3.75	
	For Argon Gas, Add	1.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0061	SF		5/8" Thick, Insulated Field Installed Glass ..... Note: One 1/4" lite and one 1/8" lite with 1/4" air space.	26.05	
			For >50 To 200, Deduct	-0.26	
			For >200 To 400, Deduct	-0.53	
			For >400, Deduct	-0.79	
			For Glass Removal And Preparing Opening For New Glazing, Add	17.23	
			For Tinted Glass, Add	2.21	
			For Reflective Coated Glass, Add	3.97	
			For Low-E Coated Glass, Add	2.21	
			For One Piece Heat Strengthened Glass, Add	1.76	
			For One Piece Fully Tempered Glass, Add	1.76	
			For One Piece Obscure Glass, Add	3.75	
			For Argon Gas, Add	1.21	
08 81 23 23-0062	SF		3/4" Thick, Insulated Field Installed Glass ..... Note: Two 1/4" lites with 1/4" air space.	28.05	
			For >50 To 200, Deduct	-0.28	
			For >200 To 400, Deduct	-0.55	
			For >400, Deduct	-0.83	
			For Glass Removal And Preparing Opening For New Glazing, Add	18.81	
			For Tinted Glass, Add	2.31	
			For Reflective Coated Glass, Add	4.16	
			For Low-E Coated Glass, Add	2.31	
			For One Piece Heat Strengthened Glass, Add	1.85	
			For One Piece Fully Tempered Glass, Add	1.85	
			For One Piece Obscure Glass, Add	3.93	
			For Argon Gas, Add	1.27	
08 81 23 23-0063			<b>3/8" Air Space, Insulated, Field Installed Glass</b> (08 81 23 23-0062) Note: Type I, Class I, Quality Q3.		
08 81 23 23-0064	SF		5/8" Thick, Insulated Field Installed Glass ..... Note: Two 1/8" lites with 3/8" air space.	26.05	
			For >50 To 200, Deduct	-0.26	
			For >200 To 400, Deduct	-0.53	
			For >400, Deduct	-0.79	
			For Glass Removal And Preparing Opening For New Glazing, Add	17.23	
			For Tinted Glass, Add	2.21	
			For Reflective Coated Glass, Add	3.97	
			For Low-E Coated Glass, Add	2.21	
			For One Piece Heat Strengthened Glass, Add	1.76	
			For One Piece Fully Tempered Glass, Add	1.76	
			For One Piece Obscure Glass, Add	3.75	
			For Argon Gas, Add	1.21	
08 81 23 23-0065	SF		3/4" Thick, Insulated Field Installed Glass ..... Note: Two 3/16" lites with 3/8" air space.	28.05	
			For >50 To 200, Deduct	-0.28	
			For >200 To 400, Deduct	-0.55	
			For >400, Deduct	-0.83	
			For Glass Removal And Preparing Opening For New Glazing, Add	18.81	
			For Tinted Glass, Add	2.31	
			For Reflective Coated Glass, Add	4.16	
			For Low-E Coated Glass, Add	2.31	
			For One Piece Heat Strengthened Glass, Add	1.85	
			For One Piece Fully Tempered Glass, Add	1.85	
			For One Piece Obscure Glass, Add	3.93	
			For Argon Gas, Add	1.27	
08 81 23 23-0066	SF		7/8" Thick, Insulated Field Installed Glass ..... Note: Two 1/4" lites with 3/8" air space.	29.45	
			For >50 To 200, Deduct	-0.31	
			For >200 To 400, Deduct	-0.62	
			For >400, Deduct	-0.92	
			For Glass Removal And Preparing Opening For New Glazing, Add	19.20	
			For Tinted Glass, Add	2.56	
			For Reflective Coated Glass, Add	4.61	
			For Low-E Coated Glass, Add	2.56	
			For One Piece Heat Strengthened Glass, Add	2.05	
			For One Piece Fully Tempered Glass, Add	2.05	
			For One Piece Obscure Glass, Add	4.36	
			For Argon Gas, Add	1.41	
08 81 23 23-0067			<b>1/2" Air Space, Insulated, Field Installed Glass</b> (08 81 23 23-0062) Note: Type I, Class I, Quality Q3.		
08 81 23 23-0068	SF		3/4" Thick, Insulated Field Installed Glass ..... Note: Two 1/8" lites with 1/2" air space.	28.05	
			For >50 To 200, Deduct	-0.28	
			For >200 To 400, Deduct	-0.55	
			For >400, Deduct	-0.83	
			For Glass Removal And Preparing Opening For New Glazing, Add	18.81	
			For Tinted Glass, Add	2.31	
			For Reflective Coated Glass, Add	4.16	
			For Low-E Coated Glass, Add	2.31	
			For One Piece Heat Strengthened Glass, Add	1.85	
			For One Piece Fully Tempered Glass, Add	1.85	
			For One Piece Obscure Glass, Add	3.93	
			For Argon Gas, Add	1.27	

**08 Openings****08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0069	SF		7/8" Thick, Insulated Field Installed Glass.....	29.45	
			Note: Two 3/16" lites with 1/2" air space.		
			For >50 To 200, Deduct	-0.31	
			For >200 To 400, Deduct	-0.62	
			For >400, Deduct	-0.92	
			For Glass Removal And Preparing Opening For New Glazing, Add	19.20	
			For Tinted Glass, Add	2.56	
			For Reflective Coated Glass, Add	4.61	
			For Low-E Coated Glass, Add	2.56	
			For One Piece Heat Strengthened Glass, Add	2.05	
			For One Piece Fully Tempered Glass, Add	2.05	
			For One Piece Obscure Glass, Add	4.36	
			For Argon Gas, Add	1.41	
08 81 23 23-0070	SF		7/8" Thick, Insulated Field Installed Glass.....	29.45	
			Note: One 1/4" lite and one 1/8" lite with 1/2" air space.		
			For >50 To 200, Deduct	-0.31	
			For >200 To 400, Deduct	-0.62	
			For >400, Deduct	-0.92	
			For Glass Removal And Preparing Opening For New Glazing, Add	19.20	
			For Tinted Glass, Add	2.56	
			For Reflective Coated Glass, Add	4.61	
			For Low-E Coated Glass, Add	2.56	
			For One Piece Heat Strengthened Glass, Add	2.05	
			For One Piece Fully Tempered Glass, Add	2.05	
			For One Piece Obscure Glass, Add	4.36	
			For Argon Gas, Add	1.41	
08 81 23 23-0071	SF		1" Thick, Insulated Field Installed Glass.....	30.60	
			Note: Two 1/4" lites with 1/2" air space.		
			For >50 To 200, Deduct	-0.34	
			For >200 To 400, Deduct	-0.67	
			For >400, Deduct	-1.01	
			For Glass Removal And Preparing Opening For New Glazing, Add	19.39	
			For Tinted Glass, Add	2.80	
			For Reflective Coated Glass, Add	5.04	
			For Low-E Coated Glass, Add	2.80	
			For One Piece Heat Strengthened Glass, Add	2.24	
			For One Piece Fully Tempered Glass, Add	2.24	
			For One Piece Obscure Glass, Add	4.76	
			For Argon Gas, Add	1.54	
08 81 23 23-0072			<b>Laminated Insulated Glass, Field Installed Glass</b> (08 81 23 23-0051)		
08 81 23 23-0073	SF		1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass.....	70.21	
			Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of .060" PVB film between two layers 1/4" thick glass.		
			For >50 To 200, Deduct	-1.34	
			For >200 To 400, Deduct	-2.69	
			For >400, Deduct	-4.03	
			For Glass Removal And Preparing Opening For New Glazing, Add	25.39	
			For Tinted Glass, Add	11.21	
			For Reflective Coated Glass, Add	20.17	
			For Low-E Coated Glass, Add	11.21	
			For Argon Gas, Add	6.16	
08 81 23 23-0074			<b>Spandrel Field Installed Glass</b> (08 81 23 23)		
08 81 23 23-0075			<b>Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass</b> (08 81 23 23-0074)		
08 81 23 23-0076	SF		1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass.....	25.14	
			For Glass Removal And Preparing Opening For New Glazing, Add	15.39	
08 81 23 23-0077	SF		1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass.....	23.05	
			For Glass Removal And Preparing Opening For New Glazing, Add	15.39	
08 81 23 23-0078			<b>Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass</b> (08 81 23 23-0074)		
08 81 23 23-0079			<b>1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass</b> (08 81 23 23-0078)		
			Note: Also with aluminum foil vapor barrier.		
08 81 23 23-0080	SF		1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass.....	27.32	
			For Glass Removal And Preparing Opening For New Glazing, Add	15.39	
08 81 23 23-0081	SF		1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass.....	24.95	
			For Glass Removal And Preparing Opening For New Glazing, Add	15.39	
08 81 23 23-0082			<b>1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass</b> (08 81 23 23-0078)		
08 81 23 23-0083	SF		1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass.....	31.43	
			For Glass Removal And Preparing Opening For New Glazing, Add	15.39	
08 81 23 23-0084	SF		1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass.....	26.78	
			For Glass Removal And Preparing Opening For New Glazing, Add	15.39	
08 83			<b>Mirrors</b> (08 80)		
			Note: Kind FT, Type I, Class I, Quality Q1.		
08 83 13			<b>Mirrored Glass Glazing</b> (08 83)		
08 83 13 00-0001			<b>Mirror Glass</b> (08 83 13)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 83 13 00-0002			<b>One-Way Vision Glass (Transparent Mirrors)</b> (08 83 13 00-0001)		
08 83 13 00-0003	SF		1/4" One-Way Vision Glass (Transparent Mirrors).....	40.90	6.92
			For >50 To 200, Deduct	-0.82	
			For >200 To 400, Deduct	-1.36	
			For >400, Deduct	-2.18	

08 83 13 00-0004			<b>Tempered, One-Way Vision Glass (Transparent Mirrors)</b> (08 83 13 00-0001)		
08 83 13 00-0005	SF		1/4" Tempered, One-Way Vision Glass (Transparent Mirrors).....	53.40	6.92
			For >50 To 200, Deduct	-1.19	
			For >200 To 400, Deduct	-1.99	
			For >400, Deduct	-3.18	

08 83 13 00-0006			<b>Clear Mirror Glass</b> (08 83 13 00-0001)		
08 83 13 00-0007	SF		1/8" Clear Mirror Glass.....	17.12	5.54
			For >50 To 200, Deduct	-0.18	
			For >200 To 400, Deduct	-0.30	
			For >400, Deduct	-0.48	
08 83 13 00-0008	SF		3/16" Clear Mirror Glass.....	20.06	6.46
			For >50 To 200, Deduct	-0.22	
			For >200 To 400, Deduct	-0.37	
			For >400, Deduct	-0.59	
08 83 13 00-0009	SF		1/4" Clear Mirror Glass.....	21.85	6.92
			For >50 To 200, Deduct	-0.25	
			For >200 To 400, Deduct	-0.41	
			For >400, Deduct	-0.65	

08 83 13 00-0010			<b>Tempered, Clear Mirror Glass</b> (08 83 13 00-0001)		
08 83 13 00-0011	SF		1/8" Tempered, Clear Mirror Glass.....	24.04	5.54
			For >50 To 200, Deduct	-0.39	
			For >200 To 400, Deduct	-0.65	
			For >400, Deduct	-1.04	
08 83 13 00-0012	SF		3/16" Tempered, Clear Mirror Glass.....	27.38	6.46
			For >50 To 200, Deduct	-0.44	
			For >200 To 400, Deduct	-0.73	
			For >400, Deduct	-1.17	
08 83 13 00-0013	SF		1/4" Tempered, Clear Mirror Glass.....	30.01	6.92
			For >50 To 200, Deduct	-0.49	
			For >200 To 400, Deduct	-0.82	
			For >400, Deduct	-1.31	

08 83 13 00-0014			<b>Clear Mirror Glass With Laminated Safety Backing</b> (08 83 13 00-0001)		
08 83 13 00-0015	SF		1/4" Clear Mirror Glass With Laminated Safety Backing.....	30.49	6.92
			For >50 To 200, Deduct	-0.50	
			For >200 To 400, Deduct	-0.84	
			For >400, Deduct	-1.34	

08 83 13 00-0016			<b>Laminated Safety Mirror Glass</b> (08 83 13 00-0001)		
			Note: Clear glass laminated to face of mirror with PVB interlayer.		
08 83 13 00-0017	SF		1/4" Laminated Safety Mirror Glass.....	56.67	6.92
			For >50 To 200, Deduct	-1.29	
			For >200 To 400, Deduct	-2.15	
			For >400, Deduct	-3.44	

08 83 13 00-0018			<b>Accessories For Mirror Glass</b> (08 83 13)		
08 83 13 00-0019	LF		1/8" Aluminum J-Channel For Mounting Mirror Glass.....	4.37	
08 83 13 00-0020	LF		3/16" Aluminum J-Channel For Mounting Mirror Glass.....	4.45	
08 83 13 00-0021	LF		1/4" Aluminum J-Channel For Mounting Mirror Glass.....	5.54	
08 83 13 00-0022	LF		Aluminum Frame For Mounting Mirror Glass.....	7.07	

08 84 Plastic Glazing (08 80)

08 84 00 00-0001			<b>Clear Polycarbonate Glazing (GE Lexan)</b> (08 84)		
08 84 00 00-0002	SF		1/8" Thick, Clear Polycarbonate Glazing (GE Lexan).....	17.12	
			For >50 To 200, Deduct	-0.42	
			For >200 To 400, Deduct	-0.84	
			For >400, Deduct	-1.26	
			For Glass Removal And Preparing Opening For New Glazing, Add	8.71	
08 84 00 00-0003	SF		3/16" Thick, Clear Polycarbonate Glazing (GE Lexan).....	18.06	
			For >50 To 200, Deduct	-0.45	
			For >200 To 400, Deduct	-0.90	
			For >400, Deduct	-1.35	
			For Glass Removal And Preparing Opening For New Glazing, Add	9.05	
08 84 00 00-0004	SF		1/4" Thick, Clear Polycarbonate Glazing (GE Lexan).....	21.62	
			For >50 To 200, Deduct	-0.61	
			For >200 To 400, Deduct	-1.22	
			For >400, Deduct	-1.83	
			For Glass Removal And Preparing Opening For New Glazing, Add	9.41	

**08 Openings****08 80 Glazing****08 84 Plastic Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0005	SF		3/8" Thick, Clear Polycarbonate Glazing (GE Lexan) .....	31.61	
			<i>For &gt;50 To 200, Deduct</i>	-1.10	
			<i>For &gt;200 To 400, Deduct</i>	-2.19	
			<i>For &gt;400, Deduct</i>	-3.29	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.68	
08 84 00 00-0006	SF		1/2" Thick, Clear Polycarbonate Glazing (GE Lexan) .....	40.18	
			<i>For &gt;50 To 200, Deduct</i>	-1.49	
			<i>For &gt;200 To 400, Deduct</i>	-2.98	
			<i>For &gt;400, Deduct</i>	-4.47	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.38	
<b>08 84 00 00-0007</b>			<b>Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) <small>(08 84)</small></b> .....	<b>26.00</b>	
08 84 00 00-0008	SF		1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	26.00	
			<i>For &gt;50 To 200, Deduct</i>	-0.86	
			<i>For &gt;200 To 400, Deduct</i>	-1.73	
			<i>For &gt;400, Deduct</i>	-2.59	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	8.71	
08 84 00 00-0009	SF		3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	30.33	
			<i>For &gt;50 To 200, Deduct</i>	-1.06	
			<i>For &gt;200 To 400, Deduct</i>	-2.13	
			<i>For &gt;400, Deduct</i>	-3.19	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.05	
08 84 00 00-0010	SF		1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	32.05	
			<i>For &gt;50 To 200, Deduct</i>	-1.13	
			<i>For &gt;200 To 400, Deduct</i>	-2.26	
			<i>For &gt;400, Deduct</i>	-3.40	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.41	
08 84 00 00-0011	SF		3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	53.42	
			<i>For &gt;50 To 200, Deduct</i>	-2.19	
			<i>For &gt;200 To 400, Deduct</i>	-4.37	
			<i>For &gt;400, Deduct</i>	-6.56	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.68	
08 84 00 00-0012	SF		1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	56.74	
			<i>For &gt;50 To 200, Deduct</i>	-2.32	
			<i>For &gt;200 To 400, Deduct</i>	-4.64	
			<i>For &gt;400, Deduct</i>	-6.95	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.38	
<b>08 84 00 00-0013</b>			<b>Clear Acrylic Glazing (Plexiglas) <small>(08 84)</small></b> .....	<b>12.33</b>	
08 84 00 00-0014	SF		1/10" Thick, Clear Acrylic Glazing (Plexiglas) .....	12.33	
			<i>For &gt;50 To 200, Deduct</i>	-0.20	
			<i>For &gt;200 To 400, Deduct</i>	-0.40	
			<i>For &gt;400, Deduct</i>	-0.60	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	8.31	
			<i>For Colored, Add</i>	0.80	
			<i>For Shatterproof, Add</i>	2.41	
			<i>For Mirrored, Add</i>	3.22	
08 84 00 00-0015	SF		1/8" Thick, Clear Acrylic Glazing (Plexiglas) .....	12.78	
			<i>For &gt;50 To 200, Deduct</i>	-0.20	
			<i>For &gt;200 To 400, Deduct</i>	-0.41	
			<i>For &gt;400, Deduct</i>	-0.61	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	8.71	
			<i>For Colored, Add</i>	0.81	
			<i>For Shatterproof, Add</i>	2.44	
			<i>For Mirrored, Add</i>	3.26	
08 84 00 00-0016	SF		3/16" Thick, Clear Acrylic Glazing (Plexiglas) .....	15.40	
			<i>For &gt;50 To 200, Deduct</i>	-0.32	
			<i>For &gt;200 To 400, Deduct</i>	-0.64	
			<i>For &gt;400, Deduct</i>	-0.95	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.05	
			<i>For Colored, Add</i>	1.27	
			<i>For Shatterproof, Add</i>	3.81	
			<i>For Mirrored, Add</i>	5.08	
08 84 00 00-0017	SF		1/4" Thick, Clear Acrylic Glazing (Plexiglas) .....	17.77	
			<i>For &gt;50 To 200, Deduct</i>	-0.42	
			<i>For &gt;200 To 400, Deduct</i>	-0.84	
			<i>For &gt;400, Deduct</i>	-1.25	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.41	
			<i>For Colored, Add</i>	1.67	
			<i>For Shatterproof, Add</i>	5.02	
			<i>For Mirrored, Add</i>	6.69	
08 84 00 00-0018	SF		5/16" Thick, Clear Acrylic Glazing (Plexiglas) .....	18.22	
			<i>For &gt;50 To 200, Deduct</i>	-0.44	
			<i>For &gt;200 To 400, Deduct</i>	-0.88	
			<i>For &gt;400, Deduct</i>	-1.31	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.46	
			<i>For Colored, Add</i>	1.75	
			<i>For Shatterproof, Add</i>	5.26	
			<i>For Mirrored, Add</i>	7.01	
08 84 00 00-0019	SF		3/8" Thick, Clear Acrylic Glazing (Plexiglas) .....	18.84	
			<i>For &gt;50 To 200, Deduct</i>	-0.46	
			<i>For &gt;200 To 400, Deduct</i>	-0.92	
			<i>For &gt;400, Deduct</i>	-1.37	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.68	
			<i>For Colored, Add</i>	1.83	
			<i>For Shatterproof, Add</i>	5.50	
			<i>For Mirrored, Add</i>	7.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 84 00 00-0020	SF		1/2" Thick, Clear Acrylic Glazing (Plexiglas) .....	22.49	
			For >50 To 200, Deduct	-0.61	
			For >200 To 400, Deduct	-1.21	
			For >400, Deduct	-1.82	
			For Glass Removal And Preparing Opening For New Glazing, Add	10.38	
			For Colored, Add	2.42	
			For Shatterproof, Add	7.27	
			For Mirrored, Add	9.69	
08 84 00 00-0021	SF		3/4" Thick, Clear Acrylic Glazing (Plexiglas) .....	32.01	
			For >50 To 200, Deduct	-0.94	
			For >200 To 400, Deduct	-1.89	
			For >400, Deduct	-2.83	
			For Glass Removal And Preparing Opening For New Glazing, Add	13.14	
08 84 00 00-0022	SF		1" Thick, Clear Acrylic Glazing (Plexiglas) .....	43.29	
			For >50 To 200, Deduct	-1.45	
			For >200 To 400, Deduct	-2.90	
			For >400, Deduct	-4.35	
			For Glass Removal And Preparing Opening For New Glazing, Add	14.27	

**08 85 Glazing Accessories** (08 80)

Note: Applicable to reglazing tasks only, new window installations include the gasket.

**08 85 00 00-0001 Framing For Glass Windscreens** (08 85)

Note: Excludes glazing.

08 85 00 00-0002	LF		1-1/4" x 1-1/2" Aluminum Framed Window Walls .....	28.06	1.91
			For Bronze Anodized Aluminum, Add	3.42	
			For Stainless Steel, Add	13.96	
			For Black Anodized Finish, Add	6.16	
08 85 00 00-0003	LF		1-1/2" x 2" Aluminum Framed Window Walls .....	34.73	2.38
			For Bronze Anodized Aluminum, Add	4.35	
			For Stainless Steel, Add	17.70	
			For Black Anodized Finish, Add	7.84	
08 85 00 00-0004	LF		1-1/2" x 3" Aluminum Framed Window Walls .....	41.36	1.91
			For Bronze Anodized Aluminum, Add	5.20	
			For Stainless Steel, Add	21.15	
			For Black Anodized Finish, Add	9.37	
08 85 00 00-0005	LF		1-1/2" x 4" Aluminum Framed Window Walls .....	50.02	2.85
			For Bronze Anodized Aluminum, Add	6.22	
			For Stainless Steel, Add	25.30	
			For Black Anodized Finish, Add	11.19	
08 85 00 00-0006	LF		2" x 3" Aluminum Framed Window Walls .....	51.21	2.38
			For Bronze Anodized Aluminum, Add	6.61	
			For Stainless Steel, Add	26.80	
			For Black Anodized Finish, Add	11.90	
08 85 00 00-0007	LF		2" x 4" Aluminum Framed Window Walls .....	62.16	2.85
			For Bronze Anodized Aluminum, Add	7.90	
			For Stainless Steel, Add	32.06	
			For Black Anodized Finish, Add	14.21	

**08 87 Glazing Surface Films** (08 80)

**08 87 13 Solar Control Films** (08 87)

Note: Applied directly to one side of glazing with adhesive.

**08 87 13 00-0001 Window Tinting And Film** (08 87 13)

Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.

08 87 13 00-0002	SF		20% VLT, Bronze Window Tinting Film .....	8.62	
08 87 13 00-0003	SF		50% VLT, Bronze Window Tinting Film .....	8.62	
08 87 13 00-0004	SF		Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™) .....	13.22	
08 87 13 00-0005	SF		Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™) .....	13.65	

**08 87 23 Safety and Security Films** (08 87)

**08 87 23 16 Security Films** (08 87 23)

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

**08 87 23 16-0001 High Performance, Security And Safety Glazing Films** (08 87 23 16)

Note: Includes cleaning of window glazing prior to installation.

**08 87 23 16-0002 Clear, High Performance, Security And Safety Glazing Films** (08 87 23 16-0001)

08 87 23 16-0003	SF		0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150) .....	13.42	
			For >1,000 To 5,000, Deduct	-0.62	
			For >5,000, Deduct	-0.86	
08 87 23 16-0004	SF		0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400) .....	14.24	
			For >1,000 To 5,000, Deduct	-0.65	
			For >5,000, Deduct	-0.94	
08 87 23 16-0005	SF		0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600) .....	15.39	
			For >1,000 To 5,000, Deduct	-0.69	
			For >5,000, Deduct	-1.06	

**08 87 23 16-0006 Tinted, High Performance Sun/Solar, Security And Safety Glazing Films** (08 87 23 16-0001)

08 87 23 16-0007	SF		0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400) .....	15.15	
			For >1,000 To 5,000, Deduct	-0.68	
			For >5,000, Deduct	-1.03	

**08 Openings****08 80 Glazing****08 87 Glazing Surface Films**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 87 23 16-0008	SF		0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400).....	15.15	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.68	
			<i>For &gt;5,000, Deduct</i>	-1.03	
08 87 23 16-0009	SF		0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400).....	15.15	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.68	
			<i>For &gt;5,000, Deduct</i>	-1.03	
<b>08 87 23 16-0010</b>			<b>Security And Safety Glazing Films</b> (08 87 23 16)		
			Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0011	SF		0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL).....	12.51	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.58	
			<i>For &gt;5,000, Deduct</i>	-0.77	
08 87 23 16-0012	SF		0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL).....	12.73	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.59	
			<i>For &gt;5,000, Deduct</i>	-0.79	
08 87 23 16-0013	SF		0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL).....	14.80	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.67	
			<i>For &gt;5,000, Deduct</i>	-1.00	
<b>08 87 23 16-0014</b>			<b>Anti-Graffiti Glazing Films</b> (08 87 23 16)		
			Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0015	SF		0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4).....	12.51	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.58	
			<i>For &gt;5,000, Deduct</i>	-0.77	
08 87 23 16-0016	SF		0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7).....	12.73	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.59	
			<i>For &gt;5,000, Deduct</i>	-0.79	
<b>08 88 Special Function Glazing</b> (08 80)					
<b>08 88 49 Radiation-Resistant Glazing</b> (08 88)					
<b>08 88 49 00-0001</b>			<b>Leaded Glass (X-Ray Shielding)</b> (08 88 49)		
08 88 49 00-0002	SF		1/4" Thick Lead Glass With 1/16" Lead Equivalence.....	256.06	
08 88 49 00-0003	SF		1/4" Thick Lead Glass With 1/8" Lead Equivalence.....	379.77	
<b>08 88 49 00-0004</b>			<b>Leaded Acrylic (X-Ray Shielding)</b> (08 88 49)		
08 88 49 00-0005	SF		7mm Thick, 0.3mm LE, 2.3 LB/SF X-Ray Viewing Panels, Clear Lead Plastic.....	231.51	5.54
08 88 49 00-0006	SF		12mm Thick, 0.5mm LE, 3.9 LB/SF X-Ray Viewing Panels, Clear Lead Plastic.....	314.18	9.23
08 88 49 00-0007	SF		18mm Thick, 0.8mm LE, 5.9 LB/SF X-Ray Viewing Panels, Clear Lead Plastic.....	352.97	13.84
08 88 49 00-0008	SF		22mm Thick, 1mm LE, 7.2 LB/SF X-Ray Viewing Panels, Clear Lead Plastic.....	366.57	16.62
08 88 49 00-0009	SF		35mm Thick, 1.5mm LE, 11.5 LB/SF X-Ray Viewing Panels, Clear Lead Plastic.....	426.29	26.31
08 88 49 00-0010	SF		46mm Thick, 2mm LE, 15 LB/SF X-Ray Viewing Panels, Clear Lead Plastic.....	562.10	35.08
<b>08 88 53 Security Glazing</b> (08 88)					
<b>08 88 53 00-0001</b>			<b>Forced Entry And/Or Ballistic Resistant All Glass Laminate</b> (08 88 53)		
<b>08 88 53 00-0002</b>			<b>Ballistic Resistant Glass</b> (08 88 53 00-0001)		
08 88 53 00-0003	SF		1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, Up To 15 SF.....	118.57	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	57.23	
08 88 53 00-0004	SF		1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, >15 SF.....	139.35	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	57.23	
08 88 53 00-0005	SF		1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, Up To 15 SF.....	158.06	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	64.62	
08 88 53 00-0006	SF		1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, >15 SF.....	175.42	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	64.62	
08 88 53 00-0007	SF		2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, Up To 15 SF.....	199.36	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	73.84	
08 88 53 00-0008	SF		2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, >15 SF.....	213.32	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	73.84	
<b>08 88 53 00-0009</b>			<b>Forced Entry Resistant Glass</b> (08 88 53 00-0001)		
08 88 53 00-0010	SF		5/16" Forced Entry Resistant Laminated Glass Sheet.....	35.83	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.42	
08 88 53 00-0011	SF		1/2" Forced Entry Resistant Laminated Glass Sheet.....	40.42	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	15.39	
08 88 53 00-0012	SF		11/16" Forced Entry Resistant Laminated Glass Sheet.....	45.81	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.48	
08 88 53 00-0013	SF		7/8" Forced Entry Resistant Laminated Glass Sheet.....	51.48	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	17.75	
<b>08 88 53 00-0014</b>			<b>Glass Clad Polycarbonate</b> (08 88 53)		
08 88 53 00-0015	SF		0.75" Ballistic Resistant Glass/Poly, 7.84 LB/SF.....	173.61	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	70.15	
08 88 53 00-0016	SF		0.8125" Ballistic Resistant Glass/Poly, 8.99 LB/SF.....	194.11	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	81.24	



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 88 53 00-0017	SF	0.9375" Ballistic Resistant Glass/Poly, 11.11 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	248.17	
			92.31	
<b>08 88 53 00-0018 Ballistic Resistant Acrylic <small>(08 88 53)</small></b>				
08 88 53 00-0019	SF	1.25" Ballistic Resistant Acrylic Glass, 7.7 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	298.57	
			70.15	
08 88 53 00-0020	SF	1.378" Ballistic Resistant Acrylic Glass, 8.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	349.97	
			81.24	
08 88 53 00-0021	SF	1.25" Ballistic Resistant Acrylic Glass, 7.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	468.53	
			92.31	
<b>08 88 53 00-0022 Ballistic Resistant Fiberglass <small>(08 88 53)</small></b>				
08 88 53 00-0023	SF	5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	73.24	
			35.08	
08 88 53 00-0024	SF	3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	86.64	
			40.61	
08 88 53 00-0025	SF	7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	98.28	
			46.15	
<b>08 88 53 00-0026 Forced Entry And/Or Ballistic Resistant Polycarbonate <small>(08 88 53)</small></b>				
<b>08 88 53 00-0027 Forced Entry Resistant Monolithic Polycarbonate <small>(08 88 53 00-0026)</small></b>				
		Note: GE-Lexan MR10.		
08 88 53 00-0028	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level 1 or ASTM F1233, Class II (Step 5). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	93.08	
			55.94	
<b>08 88 53 00-0029 Forced Entry Resistant Glass Clad Polycarbonate Laminate <small>(08 88 53 00-0026)</small></b>				
		Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0030	SF	9/16" Overall Nominal Thickness, H.P. White TP-0500.01 <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	115.08	
			69.23	
<b>08 88 53 00-0031 Forced Entry Resistant Polycarbonate Laminate <small>(08 88 53 00-0026)</small></b>				
		Note: GE-Lexgard MPC-500.		
08 88 53 00-0032	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	140.02	
			73.84	
<b>08 88 53 00-0033 Fire Resistant, Forced Entry Resistant Polycarbonate Laminate <small>(08 88 53 00-0026)</small></b>				
		Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.		
08 88 53 00-0034	SF	7/8" Overall Nominal Thickness, H.P. White TP-0500.01 Note: UL-9 Fire Resistant. <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	153.15	
			78.46	
<b>08 88 53 00-0035 Insulated, Forced Entry Resistant Polycarbonate Laminate <small>(08 88 53 00-0026)</small></b>				
		Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0036	SF	1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level I (1/4" tempered float glass, 1/2" airspace). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	131.47	
			69.23	
<b>08 88 53 00-0037 Ballistic And Forced Entry Resistant Polycarbonate Laminate <small>(08 88 53 00-0026)</small></b>				
08 88 53 00-0038	SF	1" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	302.50	
			153.23	
08 88 53 00-0039	SF	1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	306.02	
			153.23	
<b>08 88 53 00-0040 Ballistic Resistant Glass Clad Polycarbonate Laminate <small>(08 88 53 00-0026)</small></b>				
		Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041	SF	1-5/16" Overall Nominal Thickness, Ballistic Resistant Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	201.51	
			103.38	

**08 90 Louvers and Vents (08)**

**08 91 Louvers (08 90)**

**08 91 13 Motorized Wall Louvers (08 91)**

**08 Openings****08 90 Louvers and Vents****08 91 Louvers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 91 13 00-0001		<b>Motorized Wall Louver Actuator</b> <small>(08 91 13)</small>			
		See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.			
08 91 13 00-0002	EA	115 Volt Actuator For Adjustable Intake Louver.....	1,630.73		118.51
08 91 13 00-0003	EA	230 Volt Actuator For Adjustable Intake Louver.....	2,448.89		118.51
08 91 13 00-0004	EA	24 Volt Actuator For Adjustable Intake Louver.....	1,747.35		118.51
08 91 13 00-0005	EA	115 Volt Hazardous Location Actuator For Adjustable Intake Louver.....	6,549.75		118.51
<b>08 91 16</b>		<b>Operable Wall Louvers</b> <small>(08 91)</small>			
08 91 16 00-0001		<b>Adjustable Intake Wall Louvers</b> <small>(08 91 16)</small>			
		See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.			
08 91 16 00-0002	EA	12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	437.21		31.37
		Note: Includes bird screen. Excludes actuator.			
		<i>For Flange Frame, Add</i>	37.45		
		<i>For Clear Lacquer Finish, Add</i>	74.89		
		<i>For Baked Enamel Standard Colors, Add</i>	112.34		
		<i>For Anodized Finish, Add</i>	149.78		
		<i>For Kynar® Standard Colors Finish, Add</i>	205.95		
08 91 16 00-0003	EA	12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	545.91		38.34
		Note: Includes bird screen. Excludes actuator.			
		<i>For Flange Frame, Add</i>	46.92		
		<i>For Clear Lacquer Finish, Add</i>	93.84		
		<i>For Baked Enamel Standard Colors, Add</i>	140.77		
		<i>For Anodized Finish, Add</i>	187.69		
		<i>For Kynar® Standard Colors Finish, Add</i>	258.07		
08 91 16 00-0004	EA	12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	645.48		45.32
		Note: Includes bird screen. Excludes actuator.			
		<i>For Flange Frame, Add</i>	55.49		
		<i>For Clear Lacquer Finish, Add</i>	110.97		
		<i>For Baked Enamel Standard Colors, Add</i>	166.46		
		<i>For Anodized Finish, Add</i>	221.94		
		<i>For Kynar® Standard Colors Finish, Add</i>	305.17		
08 91 16 00-0005	EA	12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	755.10		52.29
		Note: Includes bird screen. Excludes actuator.			
		<i>For Flange Frame, Add</i>	65.05		
		<i>For Clear Lacquer Finish, Add</i>	130.11		
		<i>For Baked Enamel Standard Colors, Add</i>	195.16		
		<i>For Anodized Finish, Add</i>	260.21		
		<i>For Kynar® Standard Colors Finish, Add</i>	357.79		
08 91 16 00-0006	EA	12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	851.03		59.26
		Note: Includes bird screen. Excludes actuator.			
		<i>For Flange Frame, Add</i>	73.25		
		<i>For Clear Lacquer Finish, Add</i>	146.50		
		<i>For Baked Enamel Standard Colors, Add</i>	219.76		
		<i>For Anodized Finish, Add</i>	293.01		
		<i>For Kynar® Standard Colors Finish, Add</i>	402.89		
08 91 16 00-0007	EA	12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,002.55		66.23
		Note: Includes bird screen. Excludes actuator.			
		<i>For Flange Frame, Add</i>	87.01		
		<i>For Clear Lacquer Finish, Add</i>	174.02		
		<i>For Baked Enamel Standard Colors, Add</i>	261.03		
		<i>For Anodized Finish, Add</i>	348.04		
		<i>For Kynar® Standard Colors Finish, Add</i>	478.56		
08 91 16 00-0008	EA	12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,141.32		73.20
		Note: Includes bird screen. Excludes actuator.			
		<i>For Flange Frame, Add</i>	99.49		
		<i>For Clear Lacquer Finish, Add</i>	198.98		
		<i>For Baked Enamel Standard Colors, Add</i>	298.48		
		<i>For Anodized Finish, Add</i>	397.97		
		<i>For Kynar® Standard Colors Finish, Add</i>	547.21		
08 91 16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,268.83		83.66
		Note: Includes bird screen. Excludes actuator.			
		<i>For Flange Frame, Add</i>	110.15		
		<i>For Clear Lacquer Finish, Add</i>	220.30		
		<i>For Baked Enamel Standard Colors, Add</i>	330.46		
		<i>For Anodized Finish, Add</i>	440.61		
		<i>For Kynar® Standard Colors Finish, Add</i>	605.84		
08 91 16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,354.75		90.62
		Note: Includes bird screen. Excludes actuator.			
		<i>For Flange Frame, Add</i>	117.35		
		<i>For Clear Lacquer Finish, Add</i>	234.70		
		<i>For Baked Enamel Standard Colors, Add</i>	352.05		
		<i>For Anodized Finish, Add</i>	469.40		
		<i>For Kynar® Standard Colors Finish, Add</i>	645.43		
08 91 16 00-0011	EA	12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,461.63		97.59
		Note: Includes bird screen. Excludes actuator.			
		<i>For Flange Frame, Add</i>	126.64		
		<i>For Clear Lacquer Finish, Add</i>	253.29		
		<i>For Baked Enamel Standard Colors, Add</i>	379.93		
		<i>For Anodized Finish, Add</i>	506.57		
		<i>For Kynar® Standard Colors Finish, Add</i>	696.54		
08 91 16 00-0012	EA	12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,555.75		104.57
		Note: Includes bird screen. Excludes actuator.			
		<i>For Flange Frame, Add</i>	134.66		
		<i>For Clear Lacquer Finish, Add</i>	269.32		
		<i>For Baked Enamel Standard Colors, Add</i>	403.98		
		<i>For Anodized Finish, Add</i>	538.64		
		<i>For Kynar® Standard Colors Finish, Add</i>	740.64		

MINOR		DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI	UOM			UNIT COST	UNIT COST
08 91 16 00-0013	EA	12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	1,675.38		111.54
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	145.23		
		For Clear Lacquer Finish, Add	290.46		
		For Baked Enamel Standard Colors, Add	435.69		
		For Anodized Finish, Add	580.92		
		For Kynar® Standard Colors Finish, Add	798.76		
08 91 16 00-0014	EA	12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	1,790.46		118.51
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	155.34		
		For Clear Lacquer Finish, Add	310.69		
		For Baked Enamel Standard Colors, Add	466.03		
		For Anodized Finish, Add	621.37		
		For Kynar® Standard Colors Finish, Add	854.39		
08 91 16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	1,934.36		128.97
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	167.64		
		For Clear Lacquer Finish, Add	335.28		
		For Baked Enamel Standard Colors, Add	502.93		
		For Anodized Finish, Add	670.57		
		For Kynar® Standard Colors Finish, Add	922.03		
08 91 16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	2,041.83		139.42
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	176.30		
		For Clear Lacquer Finish, Add	352.60		
		For Baked Enamel Standard Colors, Add	528.89		
		For Anodized Finish, Add	705.19		
		For Kynar® Standard Colors Finish, Add	969.64		
08 91 16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	492.15		38.34
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	41.55		
		For Clear Lacquer Finish, Add	83.09		
		For Baked Enamel Standard Colors, Add	124.64		
		For Anodized Finish, Add	166.18		
		For Kynar® Standard Colors Finish, Add	228.50		
08 91 16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	621.47		48.80
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	52.39		
		For Clear Lacquer Finish, Add	104.78		
		For Baked Enamel Standard Colors, Add	157.16		
		For Anodized Finish, Add	209.55		
		For Kynar® Standard Colors Finish, Add	288.13		
08 91 16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	728.35		55.77
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	61.68		
		For Clear Lacquer Finish, Add	123.36		
		For Baked Enamel Standard Colors, Add	185.04		
		For Anodized Finish, Add	246.72		
		For Kynar® Standard Colors Finish, Add	339.25		
08 91 16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	906.57		69.72
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	76.72		
		For Clear Lacquer Finish, Add	153.43		
		For Baked Enamel Standard Colors, Add	230.15		
		For Anodized Finish, Add	306.86		
		For Kynar® Standard Colors Finish, Add	421.93		
08 91 16 00-0021	EA	18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,029.85		76.69
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	87.65		
		For Clear Lacquer Finish, Add	175.30		
		For Baked Enamel Standard Colors, Add	262.94		
		For Anodized Finish, Add	350.59		
		For Kynar® Standard Colors Finish, Add	482.06		
08 91 16 00-0022	EA	18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,153.12		83.66
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	98.58		
		For Clear Lacquer Finish, Add	197.16		
		For Baked Enamel Standard Colors, Add	295.74		
		For Anodized Finish, Add	394.32		
		For Kynar® Standard Colors Finish, Add	542.20		
08 91 16 00-0023	EA	18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,300.08		90.62
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	111.88		
		For Clear Lacquer Finish, Add	223.77		
		For Baked Enamel Standard Colors, Add	335.65		
		For Anodized Finish, Add	447.53		
		For Kynar® Standard Colors Finish, Add	615.36		
08 91 16 00-0024	EA	18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,442.18		101.08
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	124.00		
		For Clear Lacquer Finish, Add	248.00		
		For Baked Enamel Standard Colors, Add	372.00		
		For Anodized Finish, Add	496.00		
		For Kynar® Standard Colors Finish, Add	682.01		
08 91 16 00-0025	EA	18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,556.94		111.54
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	133.39		
		For Clear Lacquer Finish, Add	266.77		
		For Baked Enamel Standard Colors, Add	400.16		
		For Anodized Finish, Add	533.54		
		For Kynar® Standard Colors Finish, Add	733.62		

## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0026	EA		18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum .....	1,665.63	118.51
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	142.86	
			For Clear Lacquer Finish, Add	285.72	
			For Baked Enamel Standard Colors, Add	428.58	
			For Anodized Finish, Add	571.44	
			For Kynar® Standard Colors Finish, Add	785.73	
08 91 16 00-0027	EA		18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum .....	1,767.95	125.48
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	151.70	
			For Clear Lacquer Finish, Add	303.40	
			For Baked Enamel Standard Colors, Add	455.09	
			For Anodized Finish, Add	606.79	
			For Kynar® Standard Colors Finish, Add	834.34	
08 91 16 00-0028	EA		18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum .....	1,899.43	132.45
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	163.45	
			For Clear Lacquer Finish, Add	326.90	
			For Baked Enamel Standard Colors, Add	490.35	
			For Anodized Finish, Add	653.80	
			For Kynar® Standard Colors Finish, Add	898.98	
08 91 16 00-0029	EA		18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum .....	2,026.34	139.42
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	174.75	
			For Clear Lacquer Finish, Add	349.50	
			For Baked Enamel Standard Colors, Add	524.25	
			For Anodized Finish, Add	699.00	
			For Kynar® Standard Colors Finish, Add	961.12	
08 91 16 00-0030	EA		18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum .....	2,182.09	149.88
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	188.23	
			For Clear Lacquer Finish, Add	376.47	
			For Baked Enamel Standard Colors, Add	564.70	
			For Anodized Finish, Add	752.93	
			For Kynar® Standard Colors Finish, Add	1,035.28	
08 91 16 00-0031	EA		18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum .....	2,301.41	160.34
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	198.07	
			For Clear Lacquer Finish, Add	396.15	
			For Baked Enamel Standard Colors, Add	594.22	
			For Anodized Finish, Add	792.29	
			For Kynar® Standard Colors Finish, Add	1,089.40	
08 91 16 00-0032	EA		24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum .....	551.64	45.32
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	46.10	
			For Clear Lacquer Finish, Add	92.20	
			For Baked Enamel Standard Colors, Add	138.31	
			For Anodized Finish, Add	184.41	
			For Kynar® Standard Colors Finish, Add	253.56	
08 91 16 00-0033	EA		24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum .....	699.20	55.77
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	58.77	
			For Clear Lacquer Finish, Add	117.53	
			For Baked Enamel Standard Colors, Add	176.30	
			For Anodized Finish, Add	235.06	
			For Kynar® Standard Colors Finish, Add	323.21	
08 91 16 00-0034	EA		24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum .....	864.97	66.23
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	73.25	
			For Clear Lacquer Finish, Add	146.50	
			For Baked Enamel Standard Colors, Add	219.76	
			For Anodized Finish, Add	293.01	
			For Kynar® Standard Colors Finish, Add	402.89	
08 91 16 00-0035	EA		24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum .....	1,021.33	80.17
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	86.10	
			For Clear Lacquer Finish, Add	172.20	
			For Baked Enamel Standard Colors, Add	258.30	
			For Anodized Finish, Add	344.40	
			For Kynar® Standard Colors Finish, Add	473.54	
08 91 16 00-0036	EA		24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum .....	1,156.45	87.15
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	98.22	
			For Clear Lacquer Finish, Add	196.43	
			For Baked Enamel Standard Colors, Add	294.65	
			For Anodized Finish, Add	392.87	
			For Kynar® Standard Colors Finish, Add	540.19	
08 91 16 00-0037	EA		24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum .....	1,298.86	94.11
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	111.06	
			For Clear Lacquer Finish, Add	222.13	
			For Baked Enamel Standard Colors, Add	333.19	
			For Anodized Finish, Add	444.25	
			For Kynar® Standard Colors Finish, Add	610.85	
08 91 16 00-0038	EA		24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum .....	1,475.57	104.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	126.64	
			For Clear Lacquer Finish, Add	253.29	
			For Baked Enamel Standard Colors, Add	379.93	
			For Anodized Finish, Add	506.57	
			For Kynar® Standard Colors Finish, Add	696.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0039	EA		24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,627.37  139.03 278.07 417.10 556.14 764.69	118.51
08 91 16 00-0040	EA		24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,743.35  149.24 298.48 447.71 596.95 820.81	125.48
08 91 16 00-0041	EA		24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,873.27  159.44 318.88 478.33 637.77 876.93	139.42
08 91 16 00-0042	EA		24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,991.08  169.83 339.66 509.49 679.32 934.06	146.40
08 91 16 00-0043	EA		24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,149.90  184.32 368.63 552.95 737.26 1,013.74	153.37
08 91 16 00-0044	EA		24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,285.01  196.43 392.87 589.30 785.73 1,080.38	160.34
08 91 16 00-0045	EA		24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,456.25  211.47 422.93 634.40 845.86 1,163.06	170.80
08 91 16 00-0046	EA		24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,583.77  222.13 444.25 666.38 888.50 1,221.69	181.25
08 91 16 00-0047	EA		30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	615.70  51.11 102.23 153.34 204.45 281.12	52.29
08 91 16 00-0048	EA		30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	820.01  68.06 136.12 204.18 272.24 374.32	69.72
08 91 16 00-0049	EA		30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	972.13  81.18 162.36 243.54 324.72 446.48	80.17
08 91 16 00-0050	EA		30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,137.91  95.67 191.33 287.00 382.66 526.16	90.62
08 91 16 00-0051	EA		30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,284.88  108.97 217.94 326.90 435.87 599.32	97.59

## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0052	EA		30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum .....	1,438.81	108.05
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	122.27	
			For Clear Lacquer Finish, Add	244.54	
			For Baked Enamel Standard Colors, Add	366.81	
			For Anodized Finish, Add	489.08	
			For Kynar® Standard Colors Finish, Add	672.49	
08 91 16 00-0053	EA		30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum .....	1,620.40	115.02
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	139.03	
			For Clear Lacquer Finish, Add	278.07	
			For Baked Enamel Standard Colors, Add	417.10	
			For Anodized Finish, Add	556.14	
			For Kynar® Standard Colors Finish, Add	764.69	
08 91 16 00-0054	EA		30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum .....	1,777.97	125.48
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	152.70	
			For Clear Lacquer Finish, Add	305.40	
			For Baked Enamel Standard Colors, Add	458.10	
			For Anodized Finish, Add	610.80	
			For Kynar® Standard Colors Finish, Add	839.85	
08 91 16 00-0055	EA		30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum .....	1,906.72	132.45
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	164.18	
			For Clear Lacquer Finish, Add	328.36	
			For Baked Enamel Standard Colors, Add	492.54	
			For Anodized Finish, Add	656.72	
			For Kynar® Standard Colors Finish, Add	902.99	
08 91 16 00-0056	EA		30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum .....	2,051.21	146.40
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	175.84	
			For Clear Lacquer Finish, Add	351.68	
			For Baked Enamel Standard Colors, Add	527.53	
			For Anodized Finish, Add	703.37	
			For Kynar® Standard Colors Finish, Add	967.13	
08 91 16 00-0057	EA		30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum .....	2,187.84	156.85
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	187.41	
			For Clear Lacquer Finish, Add	374.83	
			For Baked Enamel Standard Colors, Add	562.24	
			For Anodized Finish, Add	749.65	
			For Kynar® Standard Colors Finish, Add	1,030.77	
08 91 16 00-0058	EA		30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum .....	2,356.67	163.83
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	202.90	
			For Clear Lacquer Finish, Add	405.80	
			For Baked Enamel Standard Colors, Add	608.71	
			For Anodized Finish, Add	811.61	
			For Kynar® Standard Colors Finish, Add	1,115.96	
08 91 16 00-0059	EA		30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum .....	2,503.63	170.80
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	216.20	
			For Clear Lacquer Finish, Add	432.41	
			For Baked Enamel Standard Colors, Add	648.61	
			For Anodized Finish, Add	864.82	
			For Kynar® Standard Colors Finish, Add	1,189.12	
08 91 16 00-0060	EA		30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum .....	2,683.08	181.25
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	232.06	
			For Clear Lacquer Finish, Add	464.11	
			For Baked Enamel Standard Colors, Add	696.17	
			For Anodized Finish, Add	928.23	
			For Kynar® Standard Colors Finish, Add	1,276.31	
08 91 16 00-0061	EA		30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum .....	2,827.00	191.71
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	244.36	
			For Clear Lacquer Finish, Add	488.71	
			For Baked Enamel Standard Colors, Add	733.07	
			For Anodized Finish, Add	977.43	
			For Kynar® Standard Colors Finish, Add	1,343.96	
08 91 16 00-0062	EA		36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum .....	675.19	59.26
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	55.67	
			For Clear Lacquer Finish, Add	111.34	
			For Baked Enamel Standard Colors, Add	167.00	
			For Anodized Finish, Add	222.67	
			For Kynar® Standard Colors Finish, Add	306.17	
08 91 16 00-0063	EA		36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum .....	912.32	76.69
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	75.90	
			For Clear Lacquer Finish, Add	151.79	
			For Baked Enamel Standard Colors, Add	227.69	
			For Anodized Finish, Add	303.58	
			For Kynar® Standard Colors Finish, Add	417.42	
08 91 16 00-0064	EA		36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum .....	1,065.34	87.15
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	89.11	
			For Clear Lacquer Finish, Add	178.21	
			For Baked Enamel Standard Colors, Add	267.32	
			For Anodized Finish, Add	356.42	
			For Kynar® Standard Colors Finish, Add	490.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0065	EA		36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,246.61  105.14 210.28 315.42 420.56 578.28	97.59
08 91 16 00-0066	EA		36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,413.66  120.17 240.35 360.52 480.70 660.96	105.96
08 91 16 00-0067	EA		36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,571.20  134.11 268.23 402.34 536.46 737.63	115.02
08 91 16 00-0068	EA		36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,773.74  152.97 305.95 458.92 611.90 841.36	122.00
08 91 16 00-0069	EA		36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,950.46  168.55 337.11 505.66 674.22 927.05	132.45
08 91 16 00-0070	EA		36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,095.26  180.94 361.89 542.83 723.78 995.19	142.91
08 91 16 00-0071	EA		36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,243.74  193.70 387.40 581.10 774.80 1,065.35	153.37
08 91 16 00-0072	EA		36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,396.76  206.91 413.82 620.73 827.64 1,138.01	163.83
08 91 16 00-0073	EA		36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,581.07  223.95 447.90 671.84 895.79 1,231.71	170.80
08 91 16 00-0074	EA		36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,738.98  238.34 476.69 715.03 953.38 1,310.89	177.77
08 91 16 00-0075	EA		36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,941.20  256.48 512.95 769.43 1,025.90 1,410.61	188.23
08 91 16 00-0076	EA		36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,093.31  269.59 539.19 808.78 1,078.38 1,482.77	198.68
08 91 16 00-0077	EA		42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	772.04  63.96 127.92 191.88 255.84 351.77	66.23

## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0078	EA		42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	984.57	83.66
			<i>For Flange Frame, Add</i>	81.73	
			<i>For Clear Lacquer Finish, Add</i>	163.45	
			<i>For Baked Enamel Standard Colors, Add</i>	245.18	
			<i>For Anodized Finish, Add</i>	326.90	
			<i>For Kynar® Standard Colors Finish, Add</i>	449.49	
08 91 16 00-0079	EA		42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,154.00	94.11
			<i>For Flange Frame, Add</i>	96.58	
			<i>For Clear Lacquer Finish, Add</i>	193.15	
			<i>For Baked Enamel Standard Colors, Add</i>	289.73	
			<i>For Anodized Finish, Add</i>	386.31	
			<i>For Kynar® Standard Colors Finish, Add</i>	531.17	
08 91 16 00-0080	EA		42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,348.61	108.05
			<i>For Flange Frame, Add</i>	113.25	
			<i>For Clear Lacquer Finish, Add</i>	226.50	
			<i>For Baked Enamel Standard Colors, Add</i>	339.75	
			<i>For Anodized Finish, Add</i>	453.00	
			<i>For Kynar® Standard Colors Finish, Add</i>	622.88	
08 91 16 00-0081	EA		42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,525.64	115.02
			<i>For Flange Frame, Add</i>	129.56	
			<i>For Clear Lacquer Finish, Add</i>	259.12	
			<i>For Baked Enamel Standard Colors, Add</i>	388.67	
			<i>For Anodized Finish, Add</i>	518.23	
			<i>For Kynar® Standard Colors Finish, Add</i>	712.57	
08 91 16 00-0082	EA		42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,693.56	122.00
			<i>For Flange Frame, Add</i>	144.96	
			<i>For Clear Lacquer Finish, Add</i>	289.91	
			<i>For Baked Enamel Standard Colors, Add</i>	434.87	
			<i>For Anodized Finish, Add</i>	579.82	
			<i>For Kynar® Standard Colors Finish, Add</i>	797.26	
08 91 16 00-0083	EA		42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,913.41	128.97
			<i>For Flange Frame, Add</i>	165.55	
			<i>For Clear Lacquer Finish, Add</i>	331.09	
			<i>For Baked Enamel Standard Colors, Add</i>	496.64	
			<i>For Anodized Finish, Add</i>	662.19	
			<i>For Kynar® Standard Colors Finish, Add</i>	910.51	
08 91 16 00-0084	EA		42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	2,092.85	139.42
			<i>For Flange Frame, Add</i>	181.40	
			<i>For Clear Lacquer Finish, Add</i>	362.80	
			<i>For Baked Enamel Standard Colors, Add</i>	544.20	
			<i>For Anodized Finish, Add</i>	725.60	
			<i>For Kynar® Standard Colors Finish, Add</i>	997.70	
08 91 16 00-0085	EA		42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	2,254.98	149.88
			<i>For Flange Frame, Add</i>	195.52	
			<i>For Clear Lacquer Finish, Add</i>	391.04	
			<i>For Baked Enamel Standard Colors, Add</i>	586.57	
			<i>For Anodized Finish, Add</i>	782.09	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,075.37	
08 91 16 00-0086	EA		42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	2,407.10	160.34
			<i>For Flange Frame, Add</i>	208.64	
			<i>For Clear Lacquer Finish, Add</i>	417.28	
			<i>For Baked Enamel Standard Colors, Add</i>	625.93	
			<i>For Anodized Finish, Add</i>	834.57	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,147.53	
08 91 16 00-0087	EA		42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	2,572.87	170.80
			<i>For Flange Frame, Add</i>	223.13	
			<i>For Clear Lacquer Finish, Add</i>	446.26	
			<i>For Baked Enamel Standard Colors, Add</i>	669.38	
			<i>For Anodized Finish, Add</i>	892.51	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,227.20	
08 91 16 00-0088	EA		42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	2,770.87	177.77
			<i>For Flange Frame, Add</i>	241.53	
			<i>For Clear Lacquer Finish, Add</i>	483.07	
			<i>For Baked Enamel Standard Colors, Add</i>	724.60	
			<i>For Anodized Finish, Add</i>	966.13	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,328.43	
08 91 16 00-0089	EA		42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	2,943.34	184.74
			<i>For Flange Frame, Add</i>	257.39	
			<i>For Clear Lacquer Finish, Add</i>	514.77	
			<i>For Baked Enamel Standard Colors, Add</i>	772.16	
			<i>For Anodized Finish, Add</i>	1,029.54	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,415.62	
08 91 16 00-0090	EA		42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	3,169.26	195.20
			<i>For Flange Frame, Add</i>	277.89	
			<i>For Clear Lacquer Finish, Add</i>	555.77	
			<i>For Baked Enamel Standard Colors, Add</i>	833.66	
			<i>For Anodized Finish, Add</i>	1,111.54	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,528.37	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0091	EA		42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,327.74	205.66
			<i>For Flange Frame, Add</i>	291.64	
			<i>For Clear Lacquer Finish, Add</i>	583.29	
			<i>For Baked Enamel Standard Colors, Add</i>	874.93	
			<i>For Anodized Finish, Add</i>	1,166.57	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,604.04	
08 91 16 00-0092	EA		48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	836.10	73.20
			<i>For Flange Frame, Add</i>	68.97	
			<i>For Clear Lacquer Finish, Add</i>	137.94	
			<i>For Baked Enamel Standard Colors, Add</i>	206.91	
			<i>For Anodized Finish, Add</i>	275.88	
			<i>For Kynar® Standard Colors Finish, Add</i>	379.34	
08 91 16 00-0093	EA		48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,061.37	90.62
			<i>For Flange Frame, Add</i>	88.01	
			<i>For Clear Lacquer Finish, Add</i>	176.02	
			<i>For Baked Enamel Standard Colors, Add</i>	264.04	
			<i>For Anodized Finish, Add</i>	352.05	
			<i>For Kynar® Standard Colors Finish, Add</i>	484.07	
08 91 16 00-0094	EA		48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,255.08	104.57
			<i>For Flange Frame, Add</i>	104.59	
			<i>For Clear Lacquer Finish, Add</i>	209.19	
			<i>For Baked Enamel Standard Colors, Add</i>	313.78	
			<i>For Anodized Finish, Add</i>	418.38	
			<i>For Kynar® Standard Colors Finish, Add</i>	575.27	
08 91 16 00-0095	EA		48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,452.76	115.02
			<i>For Flange Frame, Add</i>	122.27	
			<i>For Clear Lacquer Finish, Add</i>	244.54	
			<i>For Baked Enamel Standard Colors, Add</i>	366.81	
			<i>For Anodized Finish, Add</i>	489.08	
			<i>For Kynar® Standard Colors Finish, Add</i>	672.49	
08 91 16 00-0096	EA		48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,648.01	122.00
			<i>For Flange Frame, Add</i>	140.40	
			<i>For Clear Lacquer Finish, Add</i>	280.80	
			<i>For Baked Enamel Standard Colors, Add</i>	421.20	
			<i>For Anodized Finish, Add</i>	561.60	
			<i>For Kynar® Standard Colors Finish, Add</i>	772.21	
08 91 16 00-0097	EA		48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,836.88	128.97
			<i>For Flange Frame, Add</i>	157.89	
			<i>For Clear Lacquer Finish, Add</i>	315.79	
			<i>For Baked Enamel Standard Colors, Add</i>	473.68	
			<i>For Anodized Finish, Add</i>	631.58	
			<i>For Kynar® Standard Colors Finish, Add</i>	868.42	
08 91 16 00-0098	EA		48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,072.81	139.42
			<i>For Flange Frame, Add</i>	179.40	
			<i>For Clear Lacquer Finish, Add</i>	358.79	
			<i>For Baked Enamel Standard Colors, Add</i>	538.19	
			<i>For Anodized Finish, Add</i>	717.58	
			<i>For Kynar® Standard Colors Finish, Add</i>	986.68	
08 91 16 00-0099	EA		48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,268.65	149.88
			<i>For Flange Frame, Add</i>	196.89	
			<i>For Clear Lacquer Finish, Add</i>	393.78	
			<i>For Baked Enamel Standard Colors, Add</i>	590.67	
			<i>For Anodized Finish, Add</i>	787.56	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,082.89	
08 91 16 00-0100	EA		48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,438.99	160.34
			<i>For Flange Frame, Add</i>	211.83	
			<i>For Clear Lacquer Finish, Add</i>	423.66	
			<i>For Baked Enamel Standard Colors, Add</i>	635.49	
			<i>For Anodized Finish, Add</i>	847.32	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,165.07	
08 91 16 00-0101	EA		48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,612.05	170.80
			<i>For Flange Frame, Add</i>	227.05	
			<i>For Clear Lacquer Finish, Add</i>	454.09	
			<i>For Baked Enamel Standard Colors, Add</i>	681.14	
			<i>For Anodized Finish, Add</i>	908.18	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,248.75	
08 91 16 00-0102	EA		48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,781.48	181.25
			<i>For Flange Frame, Add</i>	241.90	
			<i>For Clear Lacquer Finish, Add</i>	483.79	
			<i>For Baked Enamel Standard Colors, Add</i>	725.69	
			<i>For Anodized Finish, Add</i>	967.59	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,330.43	
08 91 16 00-0103	EA		48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,004.97	188.23
			<i>For Flange Frame, Add</i>	262.85	
			<i>For Clear Lacquer Finish, Add</i>	525.70	
			<i>For Baked Enamel Standard Colors, Add</i>	788.56	
			<i>For Anodized Finish, Add</i>	1,051.41	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,445.69	

## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0104	EA		48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum .....	3,191.12	195.20
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	280.07	
			For Clear Lacquer Finish, Add	560.14	
			For Baked Enamel Standard Colors, Add	840.22	
			For Anodized Finish, Add	1,120.29	
			For Kynar® Standard Colors Finish, Add	1,540.40	
08 91 16 00-0105	EA		48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum .....	3,420.08	202.17
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	301.57	
			For Clear Lacquer Finish, Add	603.15	
			For Baked Enamel Standard Colors, Add	904.72	
			For Anodized Finish, Add	1,206.30	
			For Kynar® Standard Colors Finish, Add	1,658.66	
08 91 16 00-0106	EA		48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum .....	3,594.07	212.63
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	316.88	
			For Clear Lacquer Finish, Add	633.76	
			For Baked Enamel Standard Colors, Add	950.64	
			For Anodized Finish, Add	1,267.52	
			For Kynar® Standard Colors Finish, Add	1,742.85	
08 91 16 00-0107	EA		54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum .....	969.99	83.66
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	80.27	
			For Clear Lacquer Finish, Add	160.54	
			For Baked Enamel Standard Colors, Add	240.80	
			For Anodized Finish, Add	321.07	
			For Kynar® Standard Colors Finish, Add	441.47	
08 91 16 00-0108	EA		54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum .....	1,240.82	101.08
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	103.87	
			For Clear Lacquer Finish, Add	207.73	
			For Baked Enamel Standard Colors, Add	311.60	
			For Anodized Finish, Add	415.46	
			For Kynar® Standard Colors Finish, Add	571.26	
08 91 16 00-0109	EA		54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum .....	1,454.26	118.51
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	121.72	
			For Clear Lacquer Finish, Add	243.45	
			For Baked Enamel Standard Colors, Add	365.17	
			For Anodized Finish, Add	486.89	
			For Kynar® Standard Colors Finish, Add	669.48	
08 91 16 00-0110	EA		54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum .....	1,665.91	125.48
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	141.49	
			For Clear Lacquer Finish, Add	282.99	
			For Baked Enamel Standard Colors, Add	424.48	
			For Anodized Finish, Add	565.98	
			For Kynar® Standard Colors Finish, Add	778.22	
08 91 16 00-0111	EA		54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum .....	1,895.79	132.45
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	163.09	
			For Clear Lacquer Finish, Add	326.17	
			For Baked Enamel Standard Colors, Add	489.26	
			For Anodized Finish, Add	652.35	
			For Kynar® Standard Colors Finish, Add	896.98	
08 91 16 00-0112	EA		54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum .....	2,101.96	139.42
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	182.31	
			For Clear Lacquer Finish, Add	364.62	
			For Baked Enamel Standard Colors, Add	546.93	
			For Anodized Finish, Add	729.24	
			For Kynar® Standard Colors Finish, Add	1,002.71	
08 91 16 00-0113	EA		54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum .....	2,375.25	149.88
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	207.55	
			For Clear Lacquer Finish, Add	415.10	
			For Baked Enamel Standard Colors, Add	622.65	
			For Anodized Finish, Add	830.20	
			For Kynar® Standard Colors Finish, Add	1,141.52	
08 91 16 00-0114	EA		54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum .....	2,641.25	160.34
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	232.06	
			For Clear Lacquer Finish, Add	464.11	
			For Baked Enamel Standard Colors, Add	696.17	
			For Anodized Finish, Add	928.23	
			For Kynar® Standard Colors Finish, Add	1,276.31	
08 91 16 00-0115	EA		54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum .....	2,841.65	170.80
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	250.01	
			For Clear Lacquer Finish, Add	500.01	
			For Baked Enamel Standard Colors, Add	750.02	
			For Anodized Finish, Add	1,000.02	
			For Kynar® Standard Colors Finish, Add	1,375.03	
08 91 16 00-0116	EA		54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum .....	3,039.32	181.25
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	267.68	
			For Clear Lacquer Finish, Add	535.36	
			For Baked Enamel Standard Colors, Add	803.04	
			For Anodized Finish, Add	1,070.72	
			For Kynar® Standard Colors Finish, Add	1,472.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0117	EA		54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	3,228.19	188.23
			<i>For Flange Frame, Add</i>	285.17	
			<i>For Clear Lacquer Finish, Add</i>	570.35	
			<i>For Baked Enamel Standard Colors, Add</i>	855.52	
			<i>For Anodized Finish, Add</i>	1,140.70	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,568.46	
08 91 16 00-0118	EA		54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	3,477.21	195.20
			<i>For Flange Frame, Add</i>	308.68	
			<i>For Clear Lacquer Finish, Add</i>	617.36	
			<i>For Baked Enamel Standard Colors, Add</i>	926.04	
			<i>For Anodized Finish, Add</i>	1,234.72	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,697.75	
08 91 16 00-0119	EA		54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	3,685.21	202.17
			<i>For Flange Frame, Add</i>	328.09	
			<i>For Clear Lacquer Finish, Add</i>	656.17	
			<i>For Baked Enamel Standard Colors, Add</i>	984.26	
			<i>For Anodized Finish, Add</i>	1,312.35	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,804.48	
08 91 16 00-0120	EA		54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	3,952.44	209.14
			<i>For Flange Frame, Add</i>	353.42	
			<i>For Clear Lacquer Finish, Add</i>	706.83	
			<i>For Baked Enamel Standard Colors, Add</i>	1,060.25	
			<i>For Anodized Finish, Add</i>	1,413.66	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,943.79	
08 91 16 00-0121	EA		54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	4,154.67	219.60
			<i>For Flange Frame, Add</i>	371.55	
			<i>For Clear Lacquer Finish, Add</i>	743.09	
			<i>For Baked Enamel Standard Colors, Add</i>	1,114.64	
			<i>For Anodized Finish, Add</i>	1,486.19	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,043.51	
08 91 16 00-0122	EA		60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,030.40	90.62
			<i>For Flange Frame, Add</i>	84.92	
			<i>For Clear Lacquer Finish, Add</i>	169.83	
			<i>For Baked Enamel Standard Colors, Add</i>	254.75	
			<i>For Anodized Finish, Add</i>	339.66	
			<i>For Kynar® Standard Colors Finish, Add</i>	467.03	
08 91 16 00-0123	EA		60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,324.61	111.54
			<i>For Flange Frame, Add</i>	110.15	
			<i>For Clear Lacquer Finish, Add</i>	220.30	
			<i>For Baked Enamel Standard Colors, Add</i>	330.46	
			<i>For Anodized Finish, Add</i>	440.61	
			<i>For Kynar® Standard Colors Finish, Add</i>	605.84	
08 91 16 00-0124	EA		60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,541.09	125.48
			<i>For Flange Frame, Add</i>	129.01	
			<i>For Clear Lacquer Finish, Add</i>	258.02	
			<i>For Baked Enamel Standard Colors, Add</i>	387.04	
			<i>For Anodized Finish, Add</i>	516.05	
			<i>For Kynar® Standard Colors Finish, Add</i>	709.57	
08 91 16 00-0125	EA		60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,773.70	132.45
			<i>For Flange Frame, Add</i>	150.88	
			<i>For Clear Lacquer Finish, Add</i>	301.76	
			<i>For Baked Enamel Standard Colors, Add</i>	452.63	
			<i>For Anodized Finish, Add</i>	603.51	
			<i>For Kynar® Standard Colors Finish, Add</i>	829.83	
08 91 16 00-0126	EA		60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	2,018.73	142.91
			<i>For Flange Frame, Add</i>	173.29	
			<i>For Clear Lacquer Finish, Add</i>	346.58	
			<i>For Baked Enamel Standard Colors, Add</i>	519.87	
			<i>For Anodized Finish, Add</i>	693.16	
			<i>For Kynar® Standard Colors Finish, Add</i>	953.10	
08 91 16 00-0127	EA		60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	2,236.76	149.88
			<i>For Flange Frame, Add</i>	193.70	
			<i>For Clear Lacquer Finish, Add</i>	387.40	
			<i>For Baked Enamel Standard Colors, Add</i>	581.10	
			<i>For Anodized Finish, Add</i>	774.80	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,065.35	
08 91 16 00-0128	EA		60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	2,529.19	160.34
			<i>For Flange Frame, Add</i>	220.85	
			<i>For Clear Lacquer Finish, Add</i>	441.70	
			<i>For Baked Enamel Standard Colors, Add</i>	662.55	
			<i>For Anodized Finish, Add</i>	883.40	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,214.68	
08 91 16 00-0129	EA		60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	2,802.47	170.80
			<i>For Flange Frame, Add</i>	246.09	
			<i>For Clear Lacquer Finish, Add</i>	492.18	
			<i>For Baked Enamel Standard Colors, Add</i>	738.26	
			<i>For Anodized Finish, Add</i>	984.35	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,353.48	

**08 Openings****08 90 Louvers and Vents****08 91 Louvers**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 91 16 00-0130	EA	60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum .....	3,016.54	181.25
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	265.40	
		For Clear Lacquer Finish, Add	530.81	
		For Baked Enamel Standard Colors, Add	796.21	
		For Anodized Finish, Add	1,061.61	
		For Kynar® Standard Colors Finish, Add	1,459.72	
08 91 16 00-0131	EA	60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum .....	3,226.97	191.71
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	284.35	
		For Clear Lacquer Finish, Add	568.71	
		For Baked Enamel Standard Colors, Add	853.06	
		For Anodized Finish, Add	1,137.42	
		For Kynar® Standard Colors Finish, Add	1,563.95	
08 91 16 00-0132	EA	60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum .....	3,427.69	198.68
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	303.03	
		For Clear Lacquer Finish, Add	606.06	
		For Baked Enamel Standard Colors, Add	909.10	
		For Anodized Finish, Add	1,212.13	
		For Kynar® Standard Colors Finish, Add	1,666.68	
08 91 16 00-0133	EA	60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum .....	3,697.65	205.66
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	328.63	
		For Clear Lacquer Finish, Add	657.27	
		For Baked Enamel Standard Colors, Add	985.90	
		For Anodized Finish, Add	1,314.54	
		For Kynar® Standard Colors Finish, Add	1,807.49	
08 91 16 00-0134	EA	60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum .....	3,915.68	212.63
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	349.04	
		For Clear Lacquer Finish, Add	698.08	
		For Baked Enamel Standard Colors, Add	1,047.13	
		For Anodized Finish, Add	1,396.17	
		For Kynar® Standard Colors Finish, Add	1,919.73	
08 91 16 00-0135	EA	60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum .....	4,196.58	219.60
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	375.74	
		For Clear Lacquer Finish, Add	751.48	
		For Baked Enamel Standard Colors, Add	1,127.21	
		For Anodized Finish, Add	1,502.95	
		For Kynar® Standard Colors Finish, Add	2,066.56	
08 91 16 00-0136	EA	60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum .....	4,403.66	226.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	395.05	
		For Clear Lacquer Finish, Add	790.11	
		For Baked Enamel Standard Colors, Add	1,185.16	
		For Anodized Finish, Add	1,580.21	
		For Kynar® Standard Colors Finish, Add	2,172.79	

**08 91 16 00-0137 Adjustable Intake Wall Louvers Operators** (08 91 16)

08 91 16 00-0138	EA	5' Chain Actuator For Adjustable Intake Louver .....	266.52	34.86
08 91 16 00-0139	EA	Panel Crank For Adjustable Intake Louver .....	554.51	13.94

**08 91 19 Fixed Louvers** (08 91)**08 91 19 00-0001 Fixed Intake Wall Louvers** (08 91 19)

08 91 19 00-0002	EA	12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum .....	337.90	31.37
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	27.52	
		For Clear Lacquer Finish, Add	55.03	
		For Baked Enamel Standard Colors, Add	82.55	
		For Anodized Finish, Add	110.06	
		For Kynar® Standard Colors Finish, Add	151.33	
08 91 19 00-0003	EA	12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum .....	401.95	38.34
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	32.53	
		For Clear Lacquer Finish, Add	65.05	
		For Baked Enamel Standard Colors, Add	97.58	
		For Anodized Finish, Add	130.10	
		For Kynar® Standard Colors Finish, Add	178.89	
08 91 19 00-0004	EA	12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum .....	466.90	45.32
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	37.63	
		For Clear Lacquer Finish, Add	75.26	
		For Baked Enamel Standard Colors, Add	112.88	
		For Anodized Finish, Add	150.51	
		For Kynar® Standard Colors Finish, Add	206.95	
08 91 19 00-0005	EA	12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum .....	547.36	52.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	44.28	
		For Clear Lacquer Finish, Add	88.56	
		For Baked Enamel Standard Colors, Add	132.84	
		For Anodized Finish, Add	177.12	
		For Kynar® Standard Colors Finish, Add	243.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0006	EA		12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	615.97	59.26
			<i>For Flange Frame, Add</i>	49.75	
			<i>For Clear Lacquer Finish, Add</i>	99.49	
			<i>For Baked Enamel Standard Colors, Add</i>	149.24	
			<i>For Anodized Finish, Add</i>	198.98	
			<i>For Kynar® Standard Colors Finish, Add</i>	273.60	
08 91 19 00-0007	EA		12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	724.67	66.23
			<i>For Flange Frame, Add</i>	59.22	
			<i>For Clear Lacquer Finish, Add</i>	118.44	
			<i>For Baked Enamel Standard Colors, Add</i>	177.67	
			<i>For Anodized Finish, Add</i>	236.89	
			<i>For Kynar® Standard Colors Finish, Add</i>	325.72	
08 91 19 00-0008	EA		12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	785.99	73.20
			<i>For Flange Frame, Add</i>	63.96	
			<i>For Clear Lacquer Finish, Add</i>	127.92	
			<i>For Baked Enamel Standard Colors, Add</i>	191.88	
			<i>For Anodized Finish, Add</i>	255.84	
			<i>For Kynar® Standard Colors Finish, Add</i>	351.77	
08 91 19 00-0009	EA		12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	879.79	83.66
			<i>For Flange Frame, Add</i>	71.25	
			<i>For Clear Lacquer Finish, Add</i>	142.50	
			<i>For Baked Enamel Standard Colors, Add</i>	213.74	
			<i>For Anodized Finish, Add</i>	284.99	
			<i>For Kynar® Standard Colors Finish, Add</i>	391.86	
08 91 19 00-0010	EA		12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	936.55	90.62
			<i>For Flange Frame, Add</i>	75.53	
			<i>For Clear Lacquer Finish, Add</i>	151.06	
			<i>For Baked Enamel Standard Colors, Add</i>	226.59	
			<i>For Anodized Finish, Add</i>	302.12	
			<i>For Kynar® Standard Colors Finish, Add</i>	415.42	
08 91 19 00-0011	EA		12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,012.46	97.59
			<i>For Flange Frame, Add</i>	81.73	
			<i>For Clear Lacquer Finish, Add</i>	163.45	
			<i>For Baked Enamel Standard Colors, Add</i>	245.18	
			<i>For Anodized Finish, Add</i>	326.90	
			<i>For Kynar® Standard Colors Finish, Add</i>	449.49	
08 91 19 00-0012	EA		12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,079.24	104.57
			<i>For Flange Frame, Add</i>	87.01	
			<i>For Clear Lacquer Finish, Add</i>	174.02	
			<i>For Baked Enamel Standard Colors, Add</i>	261.03	
			<i>For Anodized Finish, Add</i>	348.04	
			<i>For Kynar® Standard Colors Finish, Add</i>	478.56	
08 91 19 00-0013	EA		12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,157.88	111.54
			<i>For Flange Frame, Add</i>	93.48	
			<i>For Clear Lacquer Finish, Add</i>	186.96	
			<i>For Baked Enamel Standard Colors, Add</i>	280.44	
			<i>For Anodized Finish, Add</i>	373.92	
			<i>For Kynar® Standard Colors Finish, Add</i>	514.13	
08 91 19 00-0014	EA		12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,231.95	118.51
			<i>For Flange Frame, Add</i>	99.49	
			<i>For Clear Lacquer Finish, Add</i>	198.98	
			<i>For Baked Enamel Standard Colors, Add</i>	298.48	
			<i>For Anodized Finish, Add</i>	397.97	
			<i>For Kynar® Standard Colors Finish, Add</i>	547.21	
08 91 19 00-0015	EA		12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,300.24	128.97
			<i>For Flange Frame, Add</i>	104.23	
			<i>For Clear Lacquer Finish, Add</i>	208.46	
			<i>For Baked Enamel Standard Colors, Add</i>	312.69	
			<i>For Anodized Finish, Add</i>	416.92	
			<i>For Kynar® Standard Colors Finish, Add</i>	573.27	
08 91 19 00-0016	EA		12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,389.48	139.42
			<i>For Flange Frame, Add</i>	111.06	
			<i>For Clear Lacquer Finish, Add</i>	222.13	
			<i>For Baked Enamel Standard Colors, Add</i>	333.19	
			<i>For Anodized Finish, Add</i>	444.25	
			<i>For Kynar® Standard Colors Finish, Add</i>	610.85	
08 91 19 00-0017	EA		18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	393.75	38.34
			<i>For Flange Frame, Add</i>	31.71	
			<i>For Clear Lacquer Finish, Add</i>	63.41	
			<i>For Baked Enamel Standard Colors, Add</i>	95.12	
			<i>For Anodized Finish, Add</i>	126.82	
			<i>For Kynar® Standard Colors Finish, Add</i>	174.38	
08 91 19 00-0018	EA		18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	473.87	48.80
			<i>For Flange Frame, Add</i>	37.63	
			<i>For Clear Lacquer Finish, Add</i>	75.26	
			<i>For Baked Enamel Standard Colors, Add</i>	112.88	
			<i>For Anodized Finish, Add</i>	150.51	
			<i>For Kynar® Standard Colors Finish, Add</i>	206.95	

## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	548.87	55.77
			<i>For Flange Frame, Add</i>	43.73	
			<i>For Clear Lacquer Finish, Add</i>	87.47	
			<i>For Baked Enamel Standard Colors, Add</i>	131.20	
			<i>For Anodized Finish, Add</i>	174.93	
			<i>For Kynar® Standard Colors Finish, Add</i>	240.53	
08 91	19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	687.90	69.72
			<i>For Flange Frame, Add</i>	54.85	
			<i>For Clear Lacquer Finish, Add</i>	109.70	
			<i>For Baked Enamel Standard Colors, Add</i>	164.54	
			<i>For Anodized Finish, Add</i>	219.39	
			<i>For Kynar® Standard Colors Finish, Add</i>	301.66	
08 91	19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	787.50	76.69
			<i>For Flange Frame, Add</i>	63.41	
			<i>For Clear Lacquer Finish, Add</i>	126.83	
			<i>For Baked Enamel Standard Colors, Add</i>	190.24	
			<i>For Anodized Finish, Add</i>	253.65	
			<i>For Kynar® Standard Colors Finish, Add</i>	348.77	
08 91	19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	876.15	83.66
			<i>For Flange Frame, Add</i>	70.88	
			<i>For Clear Lacquer Finish, Add</i>	141.77	
			<i>For Baked Enamel Standard Colors, Add</i>	212.65	
			<i>For Anodized Finish, Add</i>	283.54	
			<i>For Kynar® Standard Colors Finish, Add</i>	389.86	
08 91	19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	940.20	90.62
			<i>For Flange Frame, Add</i>	75.90	
			<i>For Clear Lacquer Finish, Add</i>	151.79	
			<i>For Baked Enamel Standard Colors, Add</i>	227.69	
			<i>For Anodized Finish, Add</i>	303.58	
			<i>For Kynar® Standard Colors Finish, Add</i>	417.42	
08 91	19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,046.76	101.08
			<i>For Flange Frame, Add</i>	84.46	
			<i>For Clear Lacquer Finish, Add</i>	168.92	
			<i>For Baked Enamel Standard Colors, Add</i>	253.38	
			<i>For Anodized Finish, Add</i>	337.84	
			<i>For Kynar® Standard Colors Finish, Add</i>	464.52	
08 91	19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,123.26	111.54
			<i>For Flange Frame, Add</i>	90.02	
			<i>For Clear Lacquer Finish, Add</i>	180.03	
			<i>For Baked Enamel Standard Colors, Add</i>	270.05	
			<i>For Anodized Finish, Add</i>	360.07	
			<i>For Kynar® Standard Colors Finish, Add</i>	495.09	
08 91	19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,219.20	118.51
			<i>For Flange Frame, Add</i>	98.22	
			<i>For Clear Lacquer Finish, Add</i>	196.43	
			<i>For Baked Enamel Standard Colors, Add</i>	294.65	
			<i>For Anodized Finish, Add</i>	392.87	
			<i>For Kynar® Standard Colors Finish, Add</i>	540.19	
08 91	19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,293.27	125.48
			<i>For Flange Frame, Add</i>	104.23	
			<i>For Clear Lacquer Finish, Add</i>	208.46	
			<i>For Baked Enamel Standard Colors, Add</i>	312.69	
			<i>For Anodized Finish, Add</i>	416.92	
			<i>For Kynar® Standard Colors Finish, Add</i>	573.27	
08 91	19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,375.55	132.45
			<i>For Flange Frame, Add</i>	111.06	
			<i>For Clear Lacquer Finish, Add</i>	222.13	
			<i>For Baked Enamel Standard Colors, Add</i>	333.19	
			<i>For Anodized Finish, Add</i>	444.25	
			<i>For Kynar® Standard Colors Finish, Add</i>	610.85	
08 91	19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,461.46	139.42
			<i>For Flange Frame, Add</i>	118.26	
			<i>For Clear Lacquer Finish, Add</i>	236.52	
			<i>For Baked Enamel Standard Colors, Add</i>	354.78	
			<i>For Anodized Finish, Add</i>	473.04	
			<i>For Kynar® Standard Colors Finish, Add</i>	650.44	
08 91	19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,539.77	149.88
			<i>For Flange Frame, Add</i>	124.00	
			<i>For Clear Lacquer Finish, Add</i>	248.00	
			<i>For Baked Enamel Standard Colors, Add</i>	372.00	
			<i>For Anodized Finish, Add</i>	496.00	
			<i>For Kynar® Standard Colors Finish, Add</i>	682.01	
08 91	19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,646.33	160.34
			<i>For Flange Frame, Add</i>	132.57	
			<i>For Clear Lacquer Finish, Add</i>	265.13	
			<i>For Baked Enamel Standard Colors, Add</i>	397.70	
			<i>For Anodized Finish, Add</i>	530.26	
			<i>For Kynar® Standard Colors Finish, Add</i>	729.11	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 91 19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	455.97		45.32
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	36.54		
		For Clear Lacquer Finish, Add	73.07		
		For Baked Enamel Standard Colors, Add	109.61		
		For Anodized Finish, Add	146.14		
		For Kynar® Standard Colors Finish, Add	200.94		
08 91 19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	544.31		55.77
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	43.28		
		For Clear Lacquer Finish, Add	86.55		
		For Baked Enamel Standard Colors, Add	129.83		
		For Anodized Finish, Add	173.11		
		For Kynar® Standard Colors Finish, Add	238.02		
08 91 19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	672.73		66.23
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	54.03		
		For Clear Lacquer Finish, Add	108.06		
		For Baked Enamel Standard Colors, Add	162.08		
		For Anodized Finish, Add	216.11		
		For Kynar® Standard Colors Finish, Add	297.15		
08 91 19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	794.47		80.17
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	63.41		
		For Clear Lacquer Finish, Add	126.83		
		For Baked Enamel Standard Colors, Add	190.24		
		For Anodized Finish, Add	253.65		
		For Kynar® Standard Colors Finish, Add	348.77		
08 91 19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	906.80		87.15
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	73.25		
		For Clear Lacquer Finish, Add	146.50		
		For Baked Enamel Standard Colors, Add	219.76		
		For Anodized Finish, Add	293.01		
		For Kynar® Standard Colors Finish, Add	402.89		
08 91 19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,010.95		94.11
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	82.27		
		For Clear Lacquer Finish, Add	164.54		
		For Baked Enamel Standard Colors, Add	246.82		
		For Anodized Finish, Add	329.09		
		For Kynar® Standard Colors Finish, Add	452.50		
08 91 19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,100.20		104.57
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	89.11		
		For Clear Lacquer Finish, Add	178.21		
		For Baked Enamel Standard Colors, Add	267.32		
		For Anodized Finish, Add	356.42		
		For Kynar® Standard Colors Finish, Add	490.08		
08 91 19 00-0039	EA	24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,219.20		118.51
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	98.22		
		For Clear Lacquer Finish, Add	196.43		
		For Baked Enamel Standard Colors, Add	294.65		
		For Anodized Finish, Add	392.87		
		For Kynar® Standard Colors Finish, Add	540.19		
08 91 19 00-0040	EA	24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,296.91		125.48
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	104.59		
		For Clear Lacquer Finish, Add	209.19		
		For Baked Enamel Standard Colors, Add	313.78		
		For Anodized Finish, Add	418.38		
		For Kynar® Standard Colors Finish, Add	575.27		
08 91 19 00-0041	EA	24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,425.92		139.42
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	114.71		
		For Clear Lacquer Finish, Add	229.41		
		For Baked Enamel Standard Colors, Add	344.12		
		For Anodized Finish, Add	458.83		
		For Kynar® Standard Colors Finish, Add	630.89		
08 91 19 00-0042	EA	24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,506.38		146.40
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	121.36		
		For Clear Lacquer Finish, Add	242.72		
		For Baked Enamel Standard Colors, Add	364.08		
		For Anodized Finish, Add	485.44		
		For Kynar® Standard Colors Finish, Add	667.47		
08 91 19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,609.61		153.37
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	130.29		
		For Clear Lacquer Finish, Add	260.57		
		For Baked Enamel Standard Colors, Add	390.86		
		For Anodized Finish, Add	521.15		
		For Kynar® Standard Colors Finish, Add	716.58		
08 91 19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,711.02		160.34
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	139.03		
		For Clear Lacquer Finish, Add	278.07		
		For Baked Enamel Standard Colors, Add	417.10		
		For Anodized Finish, Add	556.14		
		For Kynar® Standard Colors Finish, Add	764.69		

## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0045	EA	24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,791.15	170.80
			<i>For Flange Frame, Add</i>	144.96	
			<i>For Clear Lacquer Finish, Add</i>	289.91	
			<i>For Baked Enamel Standard Colors, Add</i>	434.87	
			<i>For Anodized Finish, Add</i>	579.82	
			<i>For Kynar® Standard Colors Finish, Add</i>	797.26	
08 91	19 00-0046	EA	24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,919.58	181.25
			<i>For Flange Frame, Add</i>	155.71	
			<i>For Clear Lacquer Finish, Add</i>	311.41	
			<i>For Baked Enamel Standard Colors, Add</i>	467.12	
			<i>For Anodized Finish, Add</i>	622.83	
			<i>For Kynar® Standard Colors Finish, Add</i>	856.39	
08 91	19 00-0047	EA	30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	511.83	52.29
			<i>For Flange Frame, Add</i>	40.73	
			<i>For Clear Lacquer Finish, Add</i>	81.45	
			<i>For Baked Enamel Standard Colors, Add</i>	122.18	
			<i>For Anodized Finish, Add</i>	162.90	
			<i>For Kynar® Standard Colors Finish, Add</i>	223.99	
08 91	19 00-0048	EA	30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	663.30	69.72
			<i>For Flange Frame, Add</i>	52.39	
			<i>For Clear Lacquer Finish, Add</i>	104.78	
			<i>For Baked Enamel Standard Colors, Add</i>	157.16	
			<i>For Anodized Finish, Add</i>	209.55	
			<i>For Kynar® Standard Colors Finish, Add</i>	288.13	
08 91	19 00-0049	EA	30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	773.51	80.17
			<i>For Flange Frame, Add</i>	61.32	
			<i>For Clear Lacquer Finish, Add</i>	122.63	
			<i>For Baked Enamel Standard Colors, Add</i>	183.95	
			<i>For Anodized Finish, Add</i>	245.27	
			<i>For Kynar® Standard Colors Finish, Add</i>	337.24	
08 91	19 00-0050	EA	30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	901.02	90.62
			<i>For Flange Frame, Add</i>	71.98	
			<i>For Clear Lacquer Finish, Add</i>	143.95	
			<i>For Baked Enamel Standard Colors, Add</i>	215.93	
			<i>For Anodized Finish, Add</i>	287.91	
			<i>For Kynar® Standard Colors Finish, Add</i>	395.87	
08 91	19 00-0051	EA	30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,035.23	97.59
			<i>For Flange Frame, Add</i>	84.00	
			<i>For Clear Lacquer Finish, Add</i>	168.01	
			<i>For Baked Enamel Standard Colors, Add</i>	252.01	
			<i>For Anodized Finish, Add</i>	336.01	
			<i>For Kynar® Standard Colors Finish, Add</i>	462.02	
08 91	19 00-0052	EA	30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,150.90	108.05
			<i>For Flange Frame, Add</i>	93.48	
			<i>For Clear Lacquer Finish, Add</i>	186.96	
			<i>For Baked Enamel Standard Colors, Add</i>	280.44	
			<i>For Anodized Finish, Add</i>	373.92	
			<i>For Kynar® Standard Colors Finish, Add</i>	514.13	
08 91	19 00-0053	EA	30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,236.83	115.02
			<i>For Flange Frame, Add</i>	100.68	
			<i>For Clear Lacquer Finish, Add</i>	201.35	
			<i>For Baked Enamel Standard Colors, Add</i>	302.03	
			<i>For Anodized Finish, Add</i>	402.71	
			<i>For Kynar® Standard Colors Finish, Add</i>	553.72	
08 91	19 00-0054	EA	30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,357.96	125.48
			<i>For Flange Frame, Add</i>	110.70	
			<i>For Clear Lacquer Finish, Add</i>	221.40	
			<i>For Baked Enamel Standard Colors, Add</i>	332.10	
			<i>For Anodized Finish, Add</i>	442.80	
			<i>For Kynar® Standard Colors Finish, Add</i>	608.84	
08 91	19 00-0055	EA	30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,453.91	132.45
			<i>For Flange Frame, Add</i>	118.90	
			<i>For Clear Lacquer Finish, Add</i>	237.80	
			<i>For Baked Enamel Standard Colors, Add</i>	356.70	
			<i>For Anodized Finish, Add</i>	475.60	
			<i>For Kynar® Standard Colors Finish, Add</i>	653.94	
08 91	19 00-0056	EA	30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,602.04	146.40
			<i>For Flange Frame, Add</i>	130.93	
			<i>For Clear Lacquer Finish, Add</i>	261.85	
			<i>For Baked Enamel Standard Colors, Add</i>	392.78	
			<i>For Anodized Finish, Add</i>	523.70	
			<i>For Kynar® Standard Colors Finish, Add</i>	720.09	
08 91	19 00-0057	EA	30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,697.67	156.85
			<i>For Flange Frame, Add</i>	138.40	
			<i>For Clear Lacquer Finish, Add</i>	276.79	
			<i>For Baked Enamel Standard Colors, Add</i>	415.19	
			<i>For Anodized Finish, Add</i>	553.58	
			<i>For Kynar® Standard Colors Finish, Add</i>	761.18	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0058	EA		30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,807.28	163.83
			<i>For Flange Frame, Add</i>	147.96	
			<i>For Clear Lacquer Finish, Add</i>	295.93	
			<i>For Baked Enamel Standard Colors, Add</i>	443.89	
			<i>For Anodized Finish, Add</i>	591.85	
			<i>For Kynar® Standard Colors Finish, Add</i>	813.80	
08 91 19 00-0059	EA		30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,915.97	170.80
			<i>For Flange Frame, Add</i>	157.44	
			<i>For Clear Lacquer Finish, Add</i>	314.88	
			<i>For Baked Enamel Standard Colors, Add</i>	472.31	
			<i>For Anodized Finish, Add</i>	629.75	
			<i>For Kynar® Standard Colors Finish, Add</i>	865.91	
08 91 19 00-0060	EA		30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	2,009.78	181.25
			<i>For Flange Frame, Add</i>	164.73	
			<i>For Clear Lacquer Finish, Add</i>	329.45	
			<i>For Baked Enamel Standard Colors, Add</i>	494.18	
			<i>For Anodized Finish, Add</i>	658.91	
			<i>For Kynar® Standard Colors Finish, Add</i>	906.00	
08 91 19 00-0061	EA		30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	2,154.61	191.71
			<i>For Flange Frame, Add</i>	177.12	
			<i>For Clear Lacquer Finish, Add</i>	354.24	
			<i>For Baked Enamel Standard Colors, Add</i>	531.35	
			<i>For Anodized Finish, Add</i>	708.47	
			<i>For Kynar® Standard Colors Finish, Add</i>	974.15	
08 91 19 00-0062	EA		36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	568.59	59.26
			<i>For Flange Frame, Add</i>	45.01	
			<i>For Clear Lacquer Finish, Add</i>	90.02	
			<i>For Baked Enamel Standard Colors, Add</i>	135.02	
			<i>For Anodized Finish, Add</i>	180.03	
			<i>For Kynar® Standard Colors Finish, Add</i>	247.54	
08 91 19 00-0063	EA		36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	745.59	76.69
			<i>For Flange Frame, Add</i>	59.22	
			<i>For Clear Lacquer Finish, Add</i>	118.44	
			<i>For Baked Enamel Standard Colors, Add</i>	177.67	
			<i>For Anodized Finish, Add</i>	236.89	
			<i>For Kynar® Standard Colors Finish, Add</i>	325.72	
08 91 19 00-0064	EA		36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	861.25	87.15
			<i>For Flange Frame, Add</i>	68.70	
			<i>For Clear Lacquer Finish, Add</i>	137.39	
			<i>For Baked Enamel Standard Colors, Add</i>	206.09	
			<i>For Anodized Finish, Add</i>	274.79	
			<i>For Kynar® Standard Colors Finish, Add</i>	377.83	
08 91 19 00-0065	EA		36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	997.88	97.59
			<i>For Flange Frame, Add</i>	80.27	
			<i>For Clear Lacquer Finish, Add</i>	160.54	
			<i>For Baked Enamel Standard Colors, Add</i>	240.80	
			<i>For Anodized Finish, Add</i>	321.07	
			<i>For Kynar® Standard Colors Finish, Add</i>	441.47	
08 91 19 00-0066	EA		36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen.	1,149.44	105.96
			<i>For Flange Frame, Add</i>	93.75	
			<i>For Clear Lacquer Finish, Add</i>	187.50	
			<i>For Baked Enamel Standard Colors, Add</i>	281.26	
			<i>For Anodized Finish, Add</i>	375.01	
			<i>For Kynar® Standard Colors Finish, Add</i>	515.64	
08 91 19 00-0067	EA		36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen.	1,268.71	115.02
			<i>For Flange Frame, Add</i>	103.87	
			<i>For Clear Lacquer Finish, Add</i>	207.73	
			<i>For Baked Enamel Standard Colors, Add</i>	311.60	
			<i>For Anodized Finish, Add</i>	415.46	
			<i>For Kynar® Standard Colors Finish, Add</i>	571.26	
08 91 19 00-0068	EA		36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen.	1,371.03	122.00
			<i>For Flange Frame, Add</i>	112.70	
			<i>For Clear Lacquer Finish, Add</i>	225.41	
			<i>For Baked Enamel Standard Colors, Add</i>	338.11	
			<i>For Anodized Finish, Add</i>	450.81	
			<i>For Kynar® Standard Colors Finish, Add</i>	619.87	
08 91 19 00-0069	EA		36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen.	1,508.57	132.45
			<i>For Flange Frame, Add</i>	124.37	
			<i>For Clear Lacquer Finish, Add</i>	248.73	
			<i>For Baked Enamel Standard Colors, Add</i>	373.10	
			<i>For Anodized Finish, Add</i>	497.46	
			<i>For Kynar® Standard Colors Finish, Add</i>	684.01	
08 91 19 00-0070	EA		36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen.	1,614.20	142.91
			<i>For Flange Frame, Add</i>	132.84	
			<i>For Clear Lacquer Finish, Add</i>	265.68	
			<i>For Baked Enamel Standard Colors, Add</i>	398.51	
			<i>For Anodized Finish, Add</i>	531.35	
			<i>For Kynar® Standard Colors Finish, Add</i>	730.61	

## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,778.17 147.14 294.29 441.43 588.57 809.29	153.37
08 91	19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,888.36 156.07 312.14 468.21 624.28 858.39	163.83
08 91	19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,005.26 166.37 332.73 499.10 665.47 915.02	170.80
08 91	19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,126.72 177.12 354.24 531.35 708.47 974.15	177.77
08 91	19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,233.27 185.68 371.36 557.05 742.73 1,021.25	188.23
08 91	19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,396.32 199.90 399.79 599.69 799.58 1,099.42	198.68
08 91	19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	659.98 52.75 105.51 158.26 211.01 290.14	66.23
08 91	19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	810.55 64.32 128.65 192.97 257.30 353.78	83.66
08 91	19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	938.07 74.98 149.97 224.95 299.94 412.41	94.11
08 91	19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,096.23 88.01 176.02 264.04 352.05 484.07	108.05
08 91	19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,259.60 102.95 205.91 308.86 411.82 566.25	115.02
08 91	19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,391.07 114.71 229.41 344.12 458.83 630.89	122.00
08 91	19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,505.24 124.73 249.46 374.19 498.92 686.02	128.97

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0084	EA		42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,642.77  136.39 272.78 409.18 545.57 750.16	139.42
08 91 19 00-0085	EA		42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,761.16  146.14 292.28 438.42 584.56 803.77	149.88
08 91 19 00-0086	EA		42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,942.44  162.18 324.35 486.53 648.70 891.97	160.34
08 91 19 00-0087	EA		42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,060.84  171.93 343.85 515.78 687.70 945.59	170.80
08 91 19 00-0088	EA		42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,192.32  183.68 367.36 551.03 734.71 1,010.23	177.77
08 91 19 00-0089	EA		42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,324.70  195.52 391.04 586.57 782.09 1,075.37	184.74
08 91 19 00-0090	EA		42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,449.49  205.91 411.82 617.73 823.64 1,132.50	195.20
08 91 19 00-0091	EA		42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,624.37  221.31 442.61 663.92 885.22 1,217.18	205.66
08 91 19 00-0092	EA		48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	722.22  57.58 115.16 172.75 230.33 316.70	73.20
08 91 19 00-0093	EA		48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	885.53  70.43 140.86 211.28 281.71 387.35	90.62
08 91 19 00-0094	EA		48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,036.42  82.73 165.46 248.18 330.91 455.00	104.57
08 91 19 00-0095	EA		48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,190.36  96.03 192.06 288.09 384.12 528.17	115.02
08 91 19 00-0096	EA		48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,376.50  113.25 226.50 339.75 453.00 622.88	122.00

**08 Openings****08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,528.01 127.01 254.01 381.02 508.03 698.54	128.97
08 91	19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,655.52 137.67 275.33 413.00 550.67 757.17	139.42
08 91	19 00-0099	EA	48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,853.19 155.34 310.69 466.03 621.37 854.39	149.88
08 91	19 00-0100	EA	48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,942.44 162.18 324.35 486.53 648.70 891.97	160.34
08 91	19 00-0101	EA	48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,135.55 179.40 358.79 538.19 717.58 986.68	170.80
08 91	19 00-0102	EA	48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,271.26 190.88 381.75 572.63 763.50 1,049.81	181.25
08 91	19 00-0103	EA	48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,417.31 204.09 408.17 612.26 816.34 1,122.47	188.23
08 91	19 00-0104	EA	48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,563.37 217.30 434.59 651.89 869.19 1,195.13	195.20
08 91	19 00-0105	EA	48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,685.73 228.14 456.28 684.42 912.56 1,254.76	202.17
08 91	19 00-0106	EA	48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,886.14 246.09 492.18 738.26 984.35 1,353.48	212.63
08 91	19 00-0107	EA	54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	801.44 63.41 126.83 190.24 253.65 348.77	83.66
08 91	19 00-0108	EA	54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	982.98 78.08 156.16 234.24 312.32 429.45	101.08
08 91	19 00-0109	EA	54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,150.86 91.38 182.77 274.15 365.53 502.61	118.51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0110	EA		54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,313.31  106.23 212.47 318.70 424.94 584.29	125.48
08 91 19 00-0111	EA		54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,534.99  127.01 254.01 381.02 508.03 698.54	132.45
08 91 19 00-0112	EA		54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,690.14  141.13 282.26 423.39 564.52 776.21	139.42
08 91 19 00-0113	EA		54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,838.61  153.89 307.77 461.66 615.54 846.37	149.88
08 91 19 00-0114	EA		54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,053.59  173.29 346.58 519.87 693.16 953.10	160.34
08 91 19 00-0115	EA		54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,206.61  186.50 373.00 559.51 746.01 1,025.76	170.80
08 91 19 00-0116	EA		54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,431.62  206.91 413.82 620.73 827.64 1,138.01	181.25
08 91 19 00-0117	EA		54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,576.76  220.03 440.06 660.09 880.12 1,210.17	188.23
08 91 19 00-0118	EA		54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,741.95  235.16 470.31 705.47 940.62 1,293.35	195.20
08 91 19 00-0119	EA		54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,900.75  249.64 499.28 748.92 998.56 1,373.03	202.17
08 91 19 00-0120	EA		54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,033.14  261.49 522.97 784.46 1,045.94 1,438.17	209.14
08 91 19 00-0121	EA		54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,265.43  282.62 565.25 847.87 1,130.49 1,554.43	219.60
08 91 19 00-0122	EA		60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	861.84  68.06 136.12 204.18 272.24 374.32	90.62

## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,063.12 84.00 168.01 252.01 336.01 462.02	111.54
08 91	19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,233.14 98.22 196.43 294.65 392.87 540.19	125.48
08 91	19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,420.19 115.53 231.05 346.58 462.11 635.40	132.45
08 91	19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,653.38 136.76 273.51 410.27 547.02 752.16	142.91
08 91	19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,826.76 152.70 305.40 458.10 610.80 839.85	149.88
08 91	19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,981.62 166.09 332.19 498.28 664.38 913.52	160.34
08 91	19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,211.17 186.96 373.92 560.87 747.83 1,028.27	170.80
08 91	19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,375.13 201.26 402.52 603.79 805.05 1,106.94	181.25
08 91	19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,618.36 223.49 446.99 670.48 893.97 1,229.21	191.71
08 91	19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,772.61 237.52 475.05 712.57 950.10 1,306.38	198.68
08 91	19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,947.81 253.65 507.30 760.95 1,014.60 1,395.08	205.66
08 91	19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,119.38 269.41 538.82 808.24 1,077.65 1,481.77	212.63
08 91	19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,265.43 282.62 565.25 847.87 1,130.49 1,554.43	219.60

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0136	EA		60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,506.23  305.31 610.62 915.93 1,221.24 1,679.21	226.57
08 91 19 00-0137	EA		66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	989.68  79.45 158.90 238.34 317.79 436.96	97.59
08 91 19 00-0138	EA		66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,222.84  98.58 197.16 295.74 394.32 542.20	118.51
08 91 19 00-0139	EA		66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,425.92  114.71 229.41 344.12 458.83 630.89	139.42
08 91 19 00-0140	EA		66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,629.37  133.66 267.32 400.97 534.63 735.12	146.40
08 91 19 00-0141	EA		66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,898.43  159.17 318.34 477.51 636.68 875.43	153.37
08 91 19 00-0142	EA		66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,087.30  176.66 353.32 529.99 706.65 971.64	160.34
08 91 19 00-0143	EA		66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,271.30  192.97 385.94 578.91 771.88 1,061.34	170.80
08 91 19 00-0144	EA		66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,486.28  212.38 424.75 637.13 849.51 1,168.07	181.25
08 91 19 00-0145	EA		66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,669.38  228.60 457.19 685.79 914.38 1,257.27	191.71
08 91 19 00-0146	EA		66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,949.63  253.83 507.66 761.50 1,015.33 1,396.08	205.66
08 91 19 00-0147	EA		66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,126.35  269.41 538.82 808.24 1,077.65 1,481.77	216.11
08 91 19 00-0148	EA		66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,311.57  286.54 573.08 859.62 1,146.16 1,575.98	223.09

## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,500.44	230.06
			<i>For Flange Frame, Add</i>	304.03	
			<i>For Clear Lacquer Finish, Add</i>	608.07	
			<i>For Baked Enamel Standard Colors, Add</i>	912.10	
			<i>For Anodized Finish, Add</i>	1,216.14	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,672.19	
08 91	19 00-0150	EA	66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,664.72	237.03
			<i>For Flange Frame, Add</i>	319.07	
			<i>For Clear Lacquer Finish, Add</i>	638.13	
			<i>For Baked Enamel Standard Colors, Add</i>	957.20	
			<i>For Anodized Finish, Add</i>	1,276.27	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,754.87	
08 91	19 00-0151	EA	66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,932.86	244.00
			<i>For Flange Frame, Add</i>	344.49	
			<i>For Clear Lacquer Finish, Add</i>	688.97	
			<i>For Baked Enamel Standard Colors, Add</i>	1,033.46	
			<i>For Anodized Finish, Add</i>	1,377.95	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,894.68	
08 91	19 00-0152	EA	72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,045.53	104.57
			<i>For Flange Frame, Add</i>	83.64	
			<i>For Clear Lacquer Finish, Add</i>	167.28	
			<i>For Baked Enamel Standard Colors, Add</i>	250.92	
			<i>For Anodized Finish, Add</i>	334.56	
			<i>For Kynar® Standard Colors Finish, Add</i>	460.01	
08 91	19 00-0153	EA	72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,289.62	125.48
			<i>For Flange Frame, Add</i>	103.87	
			<i>For Clear Lacquer Finish, Add</i>	207.73	
			<i>For Baked Enamel Standard Colors, Add</i>	311.60	
			<i>For Anodized Finish, Add</i>	415.46	
			<i>For Kynar® Standard Colors Finish, Add</i>	571.26	
08 91	19 00-0154	EA	72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,502.73	146.40
			<i>For Flange Frame, Add</i>	120.99	
			<i>For Clear Lacquer Finish, Add</i>	241.99	
			<i>For Baked Enamel Standard Colors, Add</i>	362.98	
			<i>For Anodized Finish, Add</i>	483.98	
			<i>For Kynar® Standard Colors Finish, Add</i>	665.47	
08 91	19 00-0155	EA	72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,725.00	156.85
			<i>For Flange Frame, Add</i>	141.13	
			<i>For Clear Lacquer Finish, Add</i>	282.26	
			<i>For Baked Enamel Standard Colors, Add</i>	423.39	
			<i>For Anodized Finish, Add</i>	564.52	
			<i>For Kynar® Standard Colors Finish, Add</i>	776.21	
08 91	19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,013.19	163.83
			<i>For Flange Frame, Add</i>	168.55	
			<i>For Clear Lacquer Finish, Add</i>	337.11	
			<i>For Baked Enamel Standard Colors, Add</i>	505.66	
			<i>For Anodized Finish, Add</i>	674.22	
			<i>For Kynar® Standard Colors Finish, Add</i>	927.05	
08 91	19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,212.08	170.80
			<i>For Flange Frame, Add</i>	187.05	
			<i>For Clear Lacquer Finish, Add</i>	374.10	
			<i>For Baked Enamel Standard Colors, Add</i>	561.15	
			<i>For Anodized Finish, Add</i>	748.20	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,028.77	
08 91	19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,407.93	181.25
			<i>For Flange Frame, Add</i>	204.54	
			<i>For Clear Lacquer Finish, Add</i>	409.08	
			<i>For Baked Enamel Standard Colors, Add</i>	613.63	
			<i>For Anodized Finish, Add</i>	818.17	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,124.98	
08 91	19 00-0159	EA	72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,627.78	188.23
			<i>For Flange Frame, Add</i>	225.13	
			<i>For Clear Lacquer Finish, Add</i>	450.27	
			<i>For Baked Enamel Standard Colors, Add</i>	675.40	
			<i>For Anodized Finish, Add</i>	900.53	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,238.23	
08 91	19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,819.07	198.68
			<i>For Flange Frame, Add</i>	242.17	
			<i>For Clear Lacquer Finish, Add</i>	484.34	
			<i>For Baked Enamel Standard Colors, Add</i>	726.51	
			<i>For Anodized Finish, Add</i>	968.68	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,331.94	
08 91	19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,126.35	216.11
			<i>For Flange Frame, Add</i>	269.41	
			<i>For Clear Lacquer Finish, Add</i>	538.82	
			<i>For Baked Enamel Standard Colors, Add</i>	808.24	
			<i>For Anodized Finish, Add</i>	1,077.65	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,481.77	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0162	EA		72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,320.36  286.72 573.45 860.17 1,146.89 1,576.98	226.57
08 91 19 00-0163	EA		72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,511.07  304.40 608.80 913.20 1,217.60 1,674.19	233.54
08 91 19 00-0164	EA		72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,704.49  322.35 644.69 967.04 1,289.39 1,772.91	240.51
08 91 19 00-0165	EA		72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,886.07  339.11 678.22 1,017.33 1,356.44 1,865.11	247.49
08 91 19 00-0166	EA		72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,171.53  366.26 732.52 1,098.79 1,465.05 2,014.44	254.46
08 91 19 00-0167	EA		78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,112.32  88.92 177.85 266.77 355.69 489.08	111.54
08 91 19 00-0168	EA		78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,362.80  109.79 219.58 329.36 439.15 603.83	132.45
08 91 19 00-0169	EA		78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,580.46  127.37 254.74 382.12 509.49 700.55	153.37
08 91 19 00-0170	EA		78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,817.30  148.97 297.93 446.90 595.86 819.31	163.83
08 91 19 00-0171	EA		78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,121.88  178.03 356.06 534.09 712.12 979.16	170.80
08 91 19 00-0172	EA		78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,328.98  197.34 394.69 592.03 789.38 1,085.39	177.77
08 91 19 00-0173	EA		78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,538.49  216.20 432.41 648.61 864.82 1,189.12	188.23
08 91 19 00-0174	EA		78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,771.10  238.07 476.14 714.21 952.28 1,309.39	195.20

## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,976.06 256.48 512.95 769.43 1,025.90 1,410.61	205.66
08 91	19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,302.46 285.63 571.26 856.89 1,142.52 1,570.97	223.09
08 91	19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,505.60 303.85 607.70 911.56 1,215.41 1,671.19	233.54
08 91	19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,717.84 322.99 645.97 968.96 1,291.94 1,776.42	244.00
08 91	19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,911.27 340.93 681.87 1,022.80 1,363.74 1,875.14	250.97
08 91	19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	4,104.70 358.88 717.76 1,076.65 1,435.53 1,973.85	257.94
08 91	19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	4,408.37 387.86 775.71 1,163.57 1,551.42 2,133.20	264.92
08 91	19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,167.26 93.02 186.05 279.07 372.09 511.63	118.51
08 91	19 00-0183	EA	84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,427.75 114.89 229.78 344.67 459.56 631.90	139.42
08 91	19 00-0184	EA	84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,667.29 134.66 269.32 403.98 538.64 740.64	160.34
08 91	19 00-0185	EA	84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,911.42 156.98 313.97 470.95 627.93 863.41	170.80
08 91	19 00-0186	EA	84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,235.14 187.96 375.92 563.88 751.84 1,033.78	177.77
08 91	19 00-0187	EA	84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,454.08 208.46 416.92 625.38 833.84 1,146.53	184.74

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0188	EA		84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,668.15  227.78 455.55 683.33 911.10 1,252.76	195.20
08 91 19 00-0189	EA		84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,918.98  251.46 502.93 754.39 1,005.86 1,383.05	202.17
08 91 19 00-0190	EA		84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,133.96  270.87 541.74 812.61 1,083.48 1,489.79	212.63
08 91 19 00-0191	EA		84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,479.49  301.94 603.88 905.82 1,207.76 1,660.66	230.06
08 91 19 00-0192	EA		84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,689.91  320.89 641.78 962.67 1,283.56 1,764.89	240.51
08 91 19 00-0193	EA		84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,920.38  341.85 683.69 1,025.54 1,367.38 1,880.15	250.97
08 91 19 00-0194	EA		84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,164.84  364.90 729.79 1,094.69 1,459.58 2,006.93	257.94
08 91 19 00-0195	EA		84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,385.60  385.58 771.16 1,156.73 1,542.31 2,120.68	264.92
08 91 19 00-0196	EA		84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,712.05  416.83 833.66 1,250.48 1,667.31 2,292.55	271.88
08 91 19 00-0197	EA		90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,240.11  98.22 196.43 294.65 392.87 540.19	128.97
08 91 19 00-0198	EA		90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,504.23  120.45 240.89 361.34 481.79 662.46	149.88
08 91 19 00-0199	EA		90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,752.88  141.13 282.26 423.39 564.52 776.21	170.80
08 91 19 00-0200	EA		90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,004.31  164.18 328.36 492.54 656.72 902.99	181.25

**08 Openings****08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0201	EA	90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,349.89 197.34 394.69 592.03 789.38 1,085.39	188.23
08 91	19 00-0202	EA	90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,576.13 218.57 437.15 655.72 874.29 1,202.15	195.20
08 91	19 00-0203	EA	90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,792.33 238.80 477.60 716.40 955.20 1,313.39	202.17
08 91	19 00-0204	EA	90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,056.83 263.86 527.71 791.57 1,055.42 1,451.20	209.14
08 91	19 00-0205	EA	90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,282.74 284.35 568.71 853.06 1,137.42 1,563.95	219.60
08 91	19 00-0206	EA	90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,647.41 317.34 634.67 952.01 1,269.34 1,745.35	237.03
08 91	19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,866.94 337.20 674.40 1,011.59 1,348.79 1,854.59	247.49
08 91	19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,117.46 360.16 720.32 1,080.47 1,440.63 1,980.87	257.94
08 91	19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,376.48 384.67 769.33 1,154.00 1,538.66 2,115.66	264.92
08 91	19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,598.76 404.80 809.60 1,214.41 1,619.21 2,226.41	275.36
08 91	19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,944.34 437.97 875.93 1,313.90 1,751.86 2,408.81	282.34
08 91	19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,303.84 102.50 205.00 307.50 410.00 563.74	139.42
08 91	19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,577.09 125.64 251.28 376.92 502.56 691.03	160.34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0214	EA		96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,837.58  147.51 295.01 442.52 590.03 811.29	181.25
08 91 19 00-0215	EA		96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,102.68  171.93 343.85 515.78 687.70 945.59	191.71
08 91 19 00-0216	EA		96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,459.19  206.18 412.36 618.55 824.73 1,134.00	198.68
08 91 19 00-0217	EA		96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,722.77  231.15 462.29 693.44 924.58 1,271.30	205.66
08 91 19 00-0218	EA		96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,952.65  252.74 505.48 758.22 1,010.96 1,390.06	212.63
08 91 19 00-0219	EA		96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,204.39  276.52 553.04 829.56 1,106.08 1,520.85	219.60
08 91 19 00-0220	EA		96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,437.89  298.48 596.95 895.43 1,193.90 1,641.62	226.57
08 91 19 00-0221	EA		96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,828.99  334.10 668.20 1,002.30 1,336.40 1,837.55	244.00
08 91 19 00-0222	EA		96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,075.48  256.66 513.31 769.97 1,026.63 1,411.61	254.46
08 91 19 00-0223	EA		96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,311.80  378.20 756.40 1,134.59 1,512.79 2,080.09	264.92
08 91 19 00-0224	EA		96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,579.94  403.62 807.23 1,210.85 1,614.47 2,219.89	271.88
08 91 19 00-0225	EA		96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,813.14  424.85 849.69 1,274.54 1,699.38 2,336.65	282.34
08 91 19 00-0226	EA		96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,186.66  460.11 920.21 1,380.32 1,840.42 2,530.58	292.79

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 91 19 00-0227		<b>Gable Louver Vents</b> (08 91 19) Note: 1" deep, residential/light commercial grade louvers.			
08 91 19 00-0228		<b>Aluminum Gable Louver Vents</b> (08 91 19 00-0227) Note: Includes screen.			
08 91 19 00-0229		<b>Rectangular Aluminum Gable Louver Vents</b> (08 91 19 00-0228) Note: Includes screen.			
08 91 19 00-0230	EA	12" x 18" Rectangular Fixed Aluminum Gable Louver Vent.....	193.25		9.97
08 91 19 00-0231	EA	12" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	211.66		11.45
08 91 19 00-0232	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	244.07		12.93
08 91 19 00-0233	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	267.46		13.74
08 91 19 00-0234	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	304.84		14.55
08 91 19 00-0235	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	341.53		17.45
08 91 19 00-0236	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	396.57		21.81
08 91 19 00-0237	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	442.45		25.46
08 91 19 00-0238	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	506.67		30.54
08 91 19 00-0239	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent.....	635.09		40.72
08 91 19 00-0240		<b>Square Aluminum Gable Louver Vents</b> (08 91 19 00-0228) Note: Includes screen.			
08 91 19 00-0241	EA	12" x 12" Square Fixed Aluminum Gable Louver Vent.....	176.91		9.18
08 91 19 00-0242	EA	18" x 18" Square Fixed Aluminum Gable Louver Vent.....	219.21		11.64
08 91 19 00-0243	EA	24" x 24" Square Fixed Aluminum Gable Louver Vent.....	274.44		13.73
08 91 19 00-0244	EA	30" x 30" Square Fixed Aluminum Gable Louver Vent.....	350.71		18.18
08 91 19 00-0245	EA	36" x 36" Square Fixed Aluminum Gable Louver Vent.....	451.61		26.18
08 91 19 00-0246	EA	42" x 42" Square Fixed Aluminum Gable Louver Vent.....	570.80		35.61
08 91 19 00-0247	EA	48" x 48" Square Fixed Aluminum Gable Louver Vent.....	708.49		46.54
08 91 19 00-0248		<b>Round Aluminum Gable Louver Vents</b> (08 91 19 00-0228) Note: Includes screen.			
08 91 19 00-0249	EA	12" Diameter Round Fixed Aluminum Gable Louver Vent.....	176.91		9.18
08 91 19 00-0250	EA	18" Diameter Round Fixed Aluminum Gable Louver Vent.....	219.21		11.64
08 91 19 00-0251	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent.....	274.44		13.73
08 91 19 00-0252	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent.....	350.71		18.18
08 91 19 00-0253	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent.....	451.61		26.18
08 91 19 00-0254	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent.....	570.89		35.63
08 91 19 00-0255		<b>Octagonal Aluminum Gable Louver Vents</b> (08 91 19 00-0228) Note: Includes screen.			
08 91 19 00-0256	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent.....	176.91		9.18
08 91 19 00-0257	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	193.25		9.97
08 91 19 00-0258	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	211.66		11.45
08 91 19 00-0259	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	219.21		11.64
08 91 19 00-0260	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	244.07		12.93
08 91 19 00-0261	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	267.46		13.74
08 91 19 00-0262	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	274.44		13.73
08 91 19 00-0263	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	304.84		14.55
08 91 19 00-0264	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	341.53		17.45
08 91 19 00-0265	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	350.71		18.18
08 91 19 00-0266	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	396.57		21.81
08 91 19 00-0267	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	442.45		25.46
08 91 19 00-0268	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	451.61		26.18
08 91 19 00-0269	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	506.67		30.54
08 91 19 00-0270	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	561.71		34.91
08 91 19 00-0271	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	570.89		35.63
08 91 19 00-0272	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	635.09		40.72
08 91 19 00-0273	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	708.49		46.54
08 91 19 00-0274		<b>Round Top Aluminum Gable Louver Vents</b> (08 91 19 00-0228) Note: Includes screen.			
08 91 19 00-0275	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent.....	176.91		9.18
08 91 19 00-0276	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	193.25		9.97
08 91 19 00-0277	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	211.66		11.45
08 91 19 00-0278	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	219.21		11.64
08 91 19 00-0279	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	244.07		12.93
08 91 19 00-0280	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	267.46		13.74
08 91 19 00-0281	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	274.44		13.73
08 91 19 00-0282	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	304.84		14.55
08 91 19 00-0283	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	341.53		17.45
08 91 19 00-0284	EA	30" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	350.71		18.18
08 91 19 00-0285	EA	30" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	396.57		21.81
08 91 19 00-0286	EA	30" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	442.45		25.46
08 91 19 00-0287	EA	36" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	451.61		26.18
08 91 19 00-0288	EA	36" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	506.67		30.54
08 91 19 00-0289	EA	36" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	561.71		34.91
08 91 19 00-0290	EA	42" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	570.89		35.63
08 91 19 00-0291	EA	42" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	635.09		40.72
08 91 19 00-0292	EA	48" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	708.49		46.54

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 91 19 00-0293 Triangle Aluminum Gable Louver Vents** (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0294	EA 36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	365.44	11.45
08 91 19 00-0295	EA 36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	414.24	13.73
08 91 19 00-0296	EA 48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	444.65	14.55
08 91 19 00-0297	EA 48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	509.30	17.45
08 91 19 00-0298	EA 48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	567.41	18.18
08 91 19 00-0299	EA 60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	466.48	21.81
08 91 19 00-0300	EA 60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	547.31	25.46
08 91 19 00-0301	EA 60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	619.38	26.18
08 91 19 00-0302	EA 60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	702.39	30.54
08 91 19 00-0303	EA 72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	561.71	34.91
08 91 19 00-0304	EA 72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	647.78	35.63
08 91 19 00-0305	EA 72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	746.93	40.72
08 91 19 00-0306	EA 72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	848.29	46.54
08 91 19 00-0307	EA 72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent.....	953.01	53.48

**08 91 19 00-0308 Vinyl Gable Louver Vents** (08 91 19 00-0227)

Note: Includes screen.

08 91 19 00-0309	EA 12" x 12" Square Fixed Vinyl Gable Louver Vent.....	59.85	9.18
08 91 19 00-0310	EA 12" x 18" Rectangular Fixed Vinyl Gable Louver Vent.....	71.92	9.97
08 91 19 00-0311	EA 18" x 24" Rectangular Fixed Vinyl Gable Louver Vent.....	97.89	12.93
08 91 19 00-0312	EA 24" x 30" Rectangular Fixed Vinyl Gable Louver Vent.....	132.93	14.55
08 91 19 00-0313	EA 18" Diameter Round Fixed Vinyl Gable Louver Vent.....	94.45	11.64
08 91 19 00-0314	EA 22" Diameter Round Fixed Vinyl Gable Louver Vent.....	109.25	13.73
08 91 19 00-0315	EA 30" Diameter Round Fixed Vinyl Gable Louver Vent.....	163.63	18.18
08 91 19 00-0316	EA 36" Diameter Round Fixed Vinyl Gable Louver Vent.....	224.37	26.18
08 91 19 00-0317	EA 18" x 18" Octagonal Fixed Vinyl Gable Louver Vent.....	94.45	11.64
08 91 19 00-0318	EA 22" x 22" Octagonal Fixed Vinyl Gable Louver Vent.....	106.84	12.93
08 91 19 00-0319	EA 27" x 27" Octagonal Fixed Vinyl Gable Louver Vent.....	137.06	14.55
08 91 19 00-0320	EA 32" x 32" Octagonal Fixed Vinyl Gable Louver Vent.....	195.06	21.81
08 91 19 00-0321	EA 40" x 40" Octagonal Fixed Vinyl Gable Louver Vent.....	457.44	34.91
08 91 19 00-0322	EA 14" x 22" Round Top Fixed Vinyl Gable Louver Vent.....	92.58	11.45
08 91 19 00-0323	EA 22" x 32" Round Top Fixed Vinyl Gable Louver Vent.....	128.52	14.55
08 91 19 00-0324	EA 34" x 22" Half Round Fixed Vinyl Gable Louver Vent.....	134.03	17.45
08 91 19 00-0325	EA 52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	300.93	21.81
08 91 19 00-0326	EA 56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	300.93	21.81
08 91 19 00-0327	EA 56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	300.93	21.81
08 91 19 00-0328	EA 62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	300.93	21.81
08 91 19 00-0329	EA 62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent.....	300.93	21.81
08 91 19 00-0330	EA 70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent.....	340.24	34.91
08 91 19 00-0331	EA 70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	340.24	34.91
08 91 19 00-0332	EA 72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent.....	340.24	34.91
08 91 19 00-0333	EA 74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	340.24	34.91

**08 95 Vents** (08 90)

**08 95 13 Soffit Vents** (08 95)

**08 95 13 00-0001 Aluminum Soffit Vents** (08 95 13)

08 95 13 00-0002	LF 2-1/2" Wide Aluminum Soffit Vent.....	8.11	3.21
08 95 13 00-0003	LF 3" Wide Aluminum Soffit Vent.....	15.14	6.28
08 95 13 00-0004	EA 4" x 16" Under Eave Vent, Mill Finish.....	23.05	8.37
08 95 13 00-0005	EA 8" x 16" Under Eave Vent, Mill Finish.....	23.62	8.37

**08 95 13 00-0006 Vinyl Soffit Vents** (08 95 13)

08 95 13 00-0007	LF Up To 2" Vinyl Soffit Vent, Perforated, White.....	5.66	2.43
	<i>For Colors, Add</i>	0.08	
08 95 13 00-0008	LF 3" To 4" Vinyl Soffit Vent, Perforated, White.....	5.90	2.43
	<i>For Colors, Add</i>	0.11	

**08 95 16 Wall Vents** (08 95)

**08 95 16 00-0001 Foundation Vents** (08 95 16)

08 95 16 00-0002	SI Galvanized Steel Foundation Vent.....	0.47	0.20
08 95 16 00-0003	SI Aluminum Foundation Vent.....	0.72	0.20
08 95 16 00-0004	SI Stainless Steel Foundation Vent.....	0.82	0.20
08 95 16 00-0005	SI Plastic Foundation Vent.....	0.43	0.20

**END OF SECTION 08**

**08 Openings**

08 90 Louvers and Vents

08 95 Vents

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

## 09 Finishes

### 09 01 Maintenance of Finishes (09)

#### 09 01 20 Maintenance of Plaster and Gypsum Board (09 01)

##### 09 01 20 91 Plaster Restoration (09 01 20)

09 01 20 91-0001	Cut And Patch Hole In Gypsum Board To Match Existing <small>(09 01 20 91)</small> <small>Note: Includes cutting of existing gypsum board, cutting new board to fit opening, taping, gypsum board finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs &gt; 32 SF.</small>		
09 01 20 91-0002	SF Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing ..... <small>Note: Per location.</small>	18.57	
09 01 20 91-0003	SF >2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing ..... <small>Note: Per location.</small>	14.97	
09 01 20 91-0004	SF >4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing ..... <small>Note: Per location.</small>	13.43	
09 01 20 91-0005	SF >8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing ..... <small>Note: Per location.</small>	11.82	
09 01 20 91-0006	SF >16 To 32 SF, Cut And Patch Hole In Gypsum Board To Match Existing ..... <small>Note: Per location. See CSI section 09 29 10 00-0001 for "Gypsum Board" repairs &gt; 32 SF.</small>	10.56	

09 01 20 91-0007	Patch/Finish Gypsum Board To Match Existing <small>(09 01 20 91)</small> <small>Note: Includes taping, gypsum board finishing. Per location. See CSI section 09 01 20 91-0001 for patching walls requiring gypsum board to be cut and installed.</small>		
09 01 20 91-0008	EA Tape, Spackle And Finish Gypsum Board To Patch/Finish Small Diameter Holes Or Screw Head Pops ..... <small>For ASTM C840 Level 1 Finish, Deduct</small> <span style="float: right;">-0.85</span> <small>For ASTM C840 Level 2 Finish, Deduct</small> <span style="float: right;">-0.43</span> <small>For ASTM C840 Level 3 Finish, Deduct</small> <span style="float: right;">-0.17</span> <small>For ASTM C840 Level 5 High Quality Finish, Add</small> <span style="float: right;">1.30</span>		

09 01 20 91-0009	Plaster/Stucco Repair <small>(09 01 20 91)</small> <small>Note: Per location.</small>		
09 01 20 91-0010	Clean And Repair Crack In Plaster/Stucco <small>(09 01 20 91-0009)</small> <small>Note: Includes plaster weld.</small>		
09 01 20 91-0011	LF Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco ..... 18.21		
09 01 20 91-0012	LF >10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco ..... 14.60		
09 01 20 91-0013	LF >50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco ..... 11.89		
09 01 20 91-0014	LF >100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco ..... 9.20		
09 01 20 91-0015	LF >250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco ..... 7.39		
09 01 20 91-0016	LF >500', Chip, Clean And Repair Crack In Plaster/Stucco ..... 5.59		

09 01 20 91-0017	Cut And Patch Hole In Plaster/Stucco To Match Existing <small>(09 01 20 91-0009)</small> <small>Note: Includes plaster weld.</small>		
09 01 20 91-0018	SF Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing ..... 17.17		
09 01 20 91-0019	SF >10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing ..... 15.17		
09 01 20 91-0020	SF >50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing ..... 13.96		
09 01 20 91-0021	SF >100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing ..... 12.94		
09 01 20 91-0022	SF >250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing ..... 12.07		
09 01 20 91-0023	SF >500 SF, Cut And Patch Hole In Plaster To Match Existing ..... 11.09		

09 01 20 91-0024	Chip, Clean And Repair Plaster/Stucco <small>(09 01 20 91-0009)</small> <small>Note: Includes plaster weld.</small>		
09 01 20 91-0025	SF Up To 10 SF, Chip, Clean And Repair Plaster/Stucco ..... 32.61		
09 01 20 91-0026	SF >10 To 50 SF, Chip, Clean And Repair Plaster/Stucco ..... 23.60		
09 01 20 91-0027	SF >50 To 250 SF, Chip, Clean And Repair Plaster/Stucco ..... 17.30		
09 01 20 91-0028	SF >250 SF, Chip, Clean And Repair Plaster/Stucco ..... 13.69		

#### 09 01 30 Maintenance of Tiling (09 01)

##### 09 01 30 91 Tile Restoration (09 01 30)

09 01 30 91-0001	SF Regrout Floor Tile Including Removal Of Loose Grout ..... 7.40		
09 01 30 91-0002	SF Regrout Wall Tile Including Removal Of Loose Grout ..... 9.23		
09 01 30 91-0003	SF Up To 1 SF, Cut And Patch Hole In Wall Tile To Match Existing ..... 48.83 <small>Note: Per location.</small>		

#### 09 01 60 Maintenance of Flooring (09 01)

##### 09 01 60 91 Flooring Restoration (09 01 60)

09 01 60 91-0001	Grinding, Polishing And Sealing Terrazzo <small>(09 01 60 91)</small>		
09 01 60 91-0002	CSF Grinding, Polishing And Sealing Existing Terrazzo ..... 299.80		
09 01 60 91-0003	SF Removal Of Setting Bed And Clean Area For Terrazzo Repair ..... 4.64		
09 01 60 91-0004	SF Repair Existing Terrazzo ..... 19.63		
09 01 60 91-0005	LF Repair Cracks In Existing Terrazzo ..... 4.66		

**09 Finishes**

**09 01 Maintenance of Finishes**

**09 01 60 Maintenance of Flooring**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 01 60 91-0006	<b>Standard Flooring Maintenance</b> (09 01 60 91)		
09 01 60 91-0007	CSF Steam Clean Carpet.....	38.21	
09 01 60 91-0008	CSF Wax And Polish Tile And VCT Flooring.....	41.61	
	For Additional Coat, Add	34.65	
	For Stripping Existing Wax From Floor, Add	39.14	
09 01 60 91-0009	CSF Wax And Polish Wood Flooring.....	24.61	
	For Additional Coat, Add	21.52	
	For Stripping Existing Wax From Floor, Add	39.14	
09 01 60 91-0010	MSF Vacuum Floors.....	21.50	
09 01 60 91-0011	<b>Prepare Existing Concrete Floor Prior To Installation Of Flooring</b> (09 01 60 91)		
09 01 60 91-0012	SY Grinding Of Existing Concrete Floor Prior To Installation Of Flooring.....	9.27	
09 01 60 91-0013	SY Chemical Prepare Existing Concrete Floor Prior To Installation Of Flooring.....	6.69	
09 01 60 91-0014	<b>Floor Sealants</b> (09 01 60 91)		
09 01 60 91-0015	SF Water-Based Emulsion, Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat.....	1.34	
	Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.		
09 01 60 91-0016	SF Water-Based, Clear Acrylic, Concrete Floor Sealant/Finish, Per Coat.....	1.45	
	Note: For interior/exterior concrete surfaces.		
09 01 60 91-0017	SF Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant.....	1.43	
09 01 60 91-0018	GAL Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner).....	31.86	
09 01 80	<b>Maintenance of Acoustic Treatment</b> (09 01)		
09 01 80 00-0001	<b>Removal Of Acoustical Ceiling Treatment</b> (09 01 80)		
09 01 80 00-0002	SF Removal Of Acoustical And Popcorn Ceilings Treatment.....	2.29	
09 01 90	<b>Maintenance of Painting and Coating</b> (09 01)		
09 01 90 52	<b>Maintenance Repainting</b> (09 01 90)		
09 01 90 52-0001	<b>Cleaning And Preparation Of Painted And Unpainted Surfaces</b> (09 01 90 52)		
	Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.		
09 01 90 52-0002	<b>Concrete And Masonry Surfaces, Surface Preparation</b> (09 01 90 52-0001)		
09 01 90 52-0003	SF Trisodium Phosphate (TSP), Clean Concrete Or Masonry Surfaces, Surface Preparation.....	0.41	
	For Up To 100, Add	0.30	
	For >100 To 250, Add	0.14	
	For >250 To 500, Add	0.06	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.04	
	For >15,000 To 30,000, Deduct	-0.06	
	For >30,000, Deduct	-0.08	
09 01 90 52-0004	SF Calcimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation.....	0.41	
	For Up To 100, Add	0.68	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.09	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.04	
	For >15,000 To 30,000, Deduct	-0.06	
	For >30,000, Deduct	-0.08	
09 01 90 52-0005	SF Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation.....	0.64	
	For Up To 100, Add	1.04	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.13	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 15,000, Deduct	-0.06	
	For >15,000 To 30,000, Deduct	-0.09	
	For >30,000, Deduct	-0.12	
09 01 90 52-0006	SF Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation.....	0.55	
	For Up To 100, Add	1.10	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.14	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 15,000, Deduct	-0.06	
	For >15,000 To 30,000, Deduct	-0.08	
	For >30,000, Deduct	-0.11	
09 01 90 52-0007	SF Steam Clean, Concrete And Masonry Surfaces, Surface Preparation.....	0.68	
	For Up To 100, Add	1.16	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.15	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 15,000, Deduct	-0.06	
	For >15,000 To 30,000, Deduct	-0.10	
	For >30,000, Deduct	-0.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0008	SF		Up To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation.....	0.44	
			<i>For Up To 100, Add</i>	0.70	
			<i>For &gt;100 To 250, Add</i>	0.18	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.04	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.06	
			<i>For &gt;30,000, Deduct</i>	-0.08	
09 01 90 52-0009	SF		10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation .....	1.25	
			<i>For Up To 100, Add</i>	2.22	
			<i>For &gt;100 To 250, Add</i>	0.56	
			<i>For &gt;250 To 500, Add</i>	0.28	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.12	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.18	
			<i>For &gt;30,000, Deduct</i>	-0.24	
09 01 90 52-0010	SF		30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation .....	2.08	
			<i>For Up To 100, Add</i>	3.88	
			<i>For &gt;100 To 250, Add</i>	0.97	
			<i>For &gt;250 To 500, Add</i>	0.49	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.20	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.31	
			<i>For &gt;30,000, Deduct</i>	-0.41	
09 01 90 52-0011	SF		Sand Blasting, Concrete And Masonry Surfaces, Surface Preparation .....	2.94	
			<i>For Heavy Condition Where Multiple Pass Is Required, Add</i>	1.47	
			<i>For Up To 100, Add</i>	5.24	
			<i>For &gt;100 To 250, Add</i>	1.31	
			<i>For &gt;250 To 500, Add</i>	0.66	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.14	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.28	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.43	
			<i>For &gt;30,000, Deduct</i>	-0.57	
<b>09 01 90 52-0012 Drywall Surfaces, Surface Preparation</b> <small>(09 01 90 52-0001)</small>					
See CSI section 09 01 20 91-0007 for Patch holes other than nail/screw holes and greater than 1/2" diameter.					
09 01 90 52-0013	SF		Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping), Surface Preparation .....	0.32	
			<i>For Up To 100, Add</i>	0.64	
			<i>For &gt;100 To 250, Add</i>	0.16	
			<i>For &gt;250 To 500, Add</i>	0.08	
09 01 90 52-0014	SF		Hand Wash, Minor Repair And Light Sanding Drywall Surfaces, Surface Preparation .....	0.53	
			<i>For Up To 100, Add</i>	1.06	
			<i>For &gt;100 To 250, Add</i>	0.27	
			<i>For &gt;250 To 500, Add</i>	0.13	
09 01 90 52-0015	SF		Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation .....	0.99	
			<i>For Up To 100, Add</i>	1.88	
			<i>For &gt;100 To 250, Add</i>	0.47	
			<i>For &gt;250 To 500, Add</i>	0.24	
<b>09 01 90 52-0016 Metal Surfaces, Surface Preparation</b> <small>(09 01 90 52-0001)</small>					
09 01 90 52-0017	SF		Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation .....	0.39	
			<i>For Up To 100, Add</i>	0.29	
			<i>For &gt;100 To 250, Add</i>	0.13	
			<i>For &gt;250 To 500, Add</i>	0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.04	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.06	
			<i>For &gt;30,000, Deduct</i>	-0.08	
09 01 90 52-0018	SF		Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation .....	0.64	
			<i>For Up To 100, Add</i>	0.39	
			<i>For &gt;100 To 250, Add</i>	0.18	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.06	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.09	
			<i>For &gt;30,000, Deduct</i>	-0.12	
09 01 90 52-0019	SF		Hand Scraping And Sanding, Metal Surfaces, Surface Preparation .....	0.55	
			<i>For Up To 100, Add</i>	0.41	
			<i>For &gt;100 To 250, Add</i>	0.19	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.06	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.08	
			<i>For &gt;30,000, Deduct</i>	-0.11	
09 01 90 52-0020	SF		Up To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation .....	0.42	
			<i>For Up To 100, Add</i>	0.26	
			<i>For &gt;100 To 250, Add</i>	0.12	
			<i>For &gt;250 To 500, Add</i>	0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.04	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.06	
			<i>For &gt;30,000, Deduct</i>	-0.08	

**09 Finishes**

**09 01 Maintenance of Finishes**

**09 01 90 Maintenance of Painting and Coating**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 01 90 52-0021	SF	Power Tool Cleaning, Metal Surfaces, Surface Preparation .....	1.13
		For Up To 100, Add	0.85
		For >100 To 250, Add	0.40
		For >250 To 500, Add	0.17
		For >5,000 To 10,000, Deduct	-0.06
		For >10,000 To 15,000, Deduct	-0.11
		For >15,000 To 30,000, Deduct	-0.17
		For >30,000, Deduct	-0.23
09 01 90 52-0022	SF	Steam Cleaning, Metal Surfaces, Surface Preparation .....	0.42
		For Up To 100, Add	0.24
		For >100 To 250, Add	0.11
		For >250 To 500, Add	0.05
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000 To 15,000, Deduct	-0.04
		For >15,000 To 30,000, Deduct	-0.06
		For >30,000, Deduct	-0.08
09 01 90 52-0023	SF	Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation .....	0.93
		For Up To 100, Add	0.59
		For >100 To 250, Add	0.28
		For >250 To 500, Add	0.12
		For >5,000 To 10,000, Deduct	-0.04
		For >10,000 To 15,000, Deduct	-0.09
		For >15,000 To 30,000, Deduct	-0.14
		For >30,000, Deduct	-0.18
09 01 90 52-0024	SF	Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation .....	1.26
		For Up To 100, Add	0.79
		For >100 To 250, Add	0.37
		For >250 To 500, Add	0.16
		For >5,000 To 10,000, Deduct	-0.06
		For >10,000 To 15,000, Deduct	-0.12
		For >15,000 To 30,000, Deduct	-0.18
		For >30,000, Deduct	-0.24
09 01 90 52-0025	SF	Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation .....	1.86
		For Up To 100, Add	1.19
		For >100 To 250, Add	0.55
		For >250 To 500, Add	0.24
		For >5,000 To 10,000, Deduct	-0.09
		For >10,000 To 15,000, Deduct	-0.17
		For >15,000 To 30,000, Deduct	-0.27
		For >30,000, Deduct	-0.36
09 01 90 52-0026	SF	Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation .....	3.11
		For Up To 100, Add	1.97
		For >100 To 250, Add	0.92
		For >250 To 500, Add	0.39
		For >5,000 To 10,000, Deduct	-0.15
		For >10,000 To 15,000, Deduct	-0.29
		For >15,000 To 30,000, Deduct	-0.45
		For >30,000, Deduct	-0.60
09 01 90 52-0027	SF	Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation .....	2.36
		For Up To 100, Add	1.48
		For >100 To 250, Add	0.69
		For >250 To 500, Add	0.30
		For >5,000 To 10,000, Deduct	-0.11
		For >10,000 To 15,000, Deduct	-0.22
		For >15,000 To 30,000, Deduct	-0.34
		For >30,000, Deduct	-0.45
09 01 90 52-0028	SF	Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation .....	2.92
		For Up To 100, Add	1.82
		For >100 To 250, Add	0.85
		For >250 To 500, Add	0.36
		For >5,000 To 10,000, Deduct	-0.14
		For >10,000 To 15,000, Deduct	-0.27
		For >15,000 To 30,000, Deduct	-0.42
		For >30,000, Deduct	-0.56
09 01 90 52-0029	SF	Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation .....	3.79
		For Up To 100, Add	2.36
		For >100 To 250, Add	1.10
		For >250 To 500, Add	0.47
		For >5,000 To 10,000, Deduct	-0.18
		For >10,000 To 15,000, Deduct	-0.35
		For >15,000 To 30,000, Deduct	-0.55
		For >30,000, Deduct	-0.73
09 01 90 52-0030	SF	Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation .....	4.74
		For Up To 100, Add	2.96
		For >100 To 250, Add	1.38
		For >250 To 500, Add	0.59
		For >5,000 To 10,000, Deduct	-0.22
		For >10,000 To 15,000, Deduct	-0.44
		For >15,000 To 30,000, Deduct	-0.69
		For >30,000, Deduct	-0.91

**09 01 90 52-0031 Tile Surfaces, Surface Preparation (09 01 90 52-0001)**

09 01 90 52-0032	SF	Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation .....	0.35
		For Up To 100, Add	0.26
		For >100 To 250, Add	0.12
		For >250 To 500, Add	0.05
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000 To 15,000, Deduct	-0.03
		For >15,000 To 30,000, Deduct	-0.05
		For >30,000, Deduct	-0.07

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 01 90 52-0033	CSF		Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation.....	35.34	
				<i>For Up To 100, Add</i>	26.32	
				<i>For &gt;100 To 250, Add</i>	12.28	
				<i>For &gt;250 To 500, Add</i>	5.26	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-1.76	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-3.52	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-5.29	
				<i>For &gt;30,000, Deduct</i>	-7.06	
	09 01 90 52-0034	SF		Up To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation .....	0.31	
				<i>For Up To 100, Add</i>	0.20	
				<i>For &gt;100 To 250, Add</i>	0.09	
				<i>For &gt;250 To 500, Add</i>	0.04	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.01	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-0.03	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-0.05	
				<i>For &gt;30,000, Deduct</i>	-0.06	
<b>09 01 90 52-0035 Wood Surfaces, Surface Preparation (09 01 90 52-0001)</b>						
	09 01 90 52-0036	SF		Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening .....	1.36	
				<i>For Up To 100, Add</i>	0.98	
				<i>For &gt;100 To 250, Add</i>	0.46	
				<i>For &gt;250 To 500, Add</i>	0.20	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-0.13	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-0.20	
				<i>For &gt;30,000, Deduct</i>	-0.27	
	09 01 90 52-0037	SF		Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation .....	0.37	
				<i>For Up To 100, Add</i>	0.27	
				<i>For &gt;100 To 250, Add</i>	0.13	
				<i>For &gt;250 To 500, Add</i>	0.05	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-0.04	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-0.06	
				<i>For &gt;30,000, Deduct</i>	-0.07	
	09 01 90 52-0038	SF		Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation.....	0.53	
				<i>For Up To 100, Add</i>	0.31	
				<i>For &gt;100 To 250, Add</i>	0.14	
				<i>For &gt;250 To 500, Add</i>	0.06	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-0.05	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-0.08	
				<i>For &gt;30,000, Deduct</i>	-0.10	
	09 01 90 52-0039	SF		Hand Scrape Wood Surfaces, Surface Preparation.....	0.72	
				<i>For Up To 100, Add</i>	0.54	
				<i>For &gt;100 To 250, Add</i>	0.25	
				<i>For &gt;250 To 500, Add</i>	0.11	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.04	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-0.07	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-0.11	
				<i>For &gt;30,000, Deduct</i>	-0.14	
	09 01 90 52-0040	SF		Steam Clean Wood Surfaces, Surface Preparation.....	0.66	
				<i>For Up To 100, Add</i>	0.42	
				<i>For &gt;100 To 250, Add</i>	0.20	
				<i>For &gt;250 To 500, Add</i>	0.08	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-0.06	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-0.10	
				<i>For &gt;30,000, Deduct</i>	-0.13	
	09 01 90 52-0041	SF		Up To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation.....	0.46	
				<i>For Up To 100, Add</i>	0.29	
				<i>For &gt;100 To 250, Add</i>	0.14	
				<i>For &gt;250 To 500, Add</i>	0.06	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-0.04	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-0.07	
				<i>For &gt;30,000, Deduct</i>	-0.09	
	09 01 90 52-0042	SF		Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation.....	0.73	
				<i>For Up To 100, Add</i>	0.51	
				<i>For &gt;100 To 250, Add</i>	0.24	
				<i>For &gt;250 To 500, Add</i>	0.10	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.04	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-0.07	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-0.11	
				<i>For &gt;30,000, Deduct</i>	-0.14	
	09 01 90 52-0043	SF		Sanding Wood Trim Surfaces, Surface Preparation .....	0.99	
				<i>For Up To 100, Add</i>	0.71	
				<i>For &gt;100 To 250, Add</i>	0.33	
				<i>For &gt;250 To 500, Add</i>	0.14	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-0.10	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-0.15	
				<i>For &gt;30,000, Deduct</i>	-0.20	
	09 01 90 52-0044	SF		Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	0.65	
				<i>For Up To 100, Add</i>	0.42	
				<i>For &gt;100 To 250, Add</i>	0.20	
				<i>For &gt;250 To 500, Add</i>	0.08	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-0.06	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-0.09	
				<i>For &gt;30,000, Deduct</i>	-0.13	

**09 Finishes**  
**09 01 Maintenance of Finishes**

**09 01 90 Maintenance of Painting and Coating**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

09 01 90 52-0045	SF	Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation .....	0.75
		For Up To 100, Add	0.50
		For >100 To 250, Add	0.23
		For >250 To 500, Add	0.10
		For >5,000 To 10,000, Deduct	-0.04
		For >10,000 To 15,000, Deduct	-0.07
		For >15,000 To 30,000, Deduct	-0.11
		For >30,000, Deduct	-0.15
<b>09 01 90 52-0046</b>		<b>Vinyl Siding Surfaces, Surface Preparation</b> (09 01 90 52-0001)	
09 01 90 52-0047	SF	Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation .....	0.35
		For Up To 100, Add	0.26
		For >100 To 250, Add	0.12
		For >250 To 500, Add	0.05
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000 To 15,000, Deduct	-0.03
		For >15,000 To 30,000, Deduct	-0.05
		For >30,000, Deduct	-0.07
09 01 90 52-0048	SF	Hand Wash, Vinyl Siding Surfaces, Surface Preparation .....	0.56
		For Up To 100, Add	0.40
		For >100 To 250, Add	0.19
		For >250 To 500, Add	0.08
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000 To 15,000, Deduct	-0.05
		For >15,000 To 30,000, Deduct	-0.08
		For >30,000, Deduct	-0.11
09 01 90 52-0049	SF	Up To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation .....	0.38
		For Up To 100, Add	0.23
		For >100 To 250, Add	0.11
		For >250 To 500, Add	0.05
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000 To 15,000, Deduct	-0.03
		For >15,000 To 30,000, Deduct	-0.05
		For >30,000, Deduct	-0.07
09 01 90 52-0050	SF	Steam Clean, Vinyl Siding Surfaces, Surface Preparation .....	0.70
		For Up To 100, Add	0.42
		For >100 To 250, Add	0.20
		For >250 To 500, Add	0.08
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000 To 15,000, Deduct	-0.06
		For >15,000 To 30,000, Deduct	-0.10
		For >30,000, Deduct	-0.13
<b>09 01 90 52-0051</b>		<b>Plaster/Stucco Surfaces, Surface Preparation</b> (09 01 90 52-0001)	
		Note: Based on total project quantity.	
09 01 90 52-0052	SF	Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation .....	0.41
		For Up To 100, Add	0.30
		For >100 To 250, Add	0.14
		For >250 To 500, Add	0.06
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000 To 15,000, Deduct	-0.04
		For >15,000 To 30,000, Deduct	-0.06
		For >30,000, Deduct	-0.08
09 01 90 52-0053	SF	Up To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation .....	0.49
		For Up To 100, Add	0.30
		For >100 To 250, Add	0.14
		For >250 To 500, Add	0.06
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000 To 15,000, Deduct	-0.05
		For >15,000 To 30,000, Deduct	-0.07
		For >30,000, Deduct	-0.09
<b>09 01 90 52-0054</b>		<b>Prep Work</b> (09 01 90 52-0001)	
09 01 90 52-0055	SF	Citrus Strip, Single Applications .....	0.96
		Note: For removal of dried latex and oil-based paint, varnish, lacquer, polyurethane and shellac from wood, metal, and masonry surfaces. Multiple coats may be necessary, refer to manufacturer recommendations	
<b>09 01 90 61</b>		<b>Repainting</b> (09 01 90)	
09 01 90 61-0001		<b>Touchup and "Spot" Painting Of Surfaces</b> (09 01 90 61)	
		Note: For use on individual areas less than 10 SF.	
09 01 90 61-0002	SF	"Spot" Paint Surfaces, Per Coat .....	1.22
<b>09 01 90 91</b>		<b>Paint Restoration</b> (09 01 90)	
09 01 90 91-0001		<b>Paint Removal, Strip To Bare Wood</b> (09 01 90 91)	
09 01 90 91-0002	SF	Flat Surfaces, Paint Removal, Strip To Bare Wood .....	6.44
09 01 90 91-0003	SF	Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood .....	6.86

09 05 Common Work Results for Finishes (09)

09 05 61 Common Work Results for Flooring Preparation (09 05)

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

**09 05 61 13 Moisture Vapor Emission Control** (09 05 61)

<b>09 05 61 13-0001</b>	<b>Moisture Vapor Reduction System (Koester VAP)</b> <small>(09 05 61 13)</small>		
09 05 61 13-0002	EA Up To 200 SF, Water Vapor Emission Control System (Koester VAP 1-2000).....	2,387.81	
	Note: Clear		
09 05 61 13-0003	SF >200 To 500 SF, Water Vapor Emission Control System (Koester VAP 1-2001) .....	12.64	
	Note: Clear		
09 05 61 13-0004	SF >500 To 1,000 SF, Water Vapor Emission Control System (Koester VAP 1-2002) .....	8.43	
	Note: Clear		
09 05 61 13-0005	SF >1,000 To 3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2003) .....	7.02	
	Note: Clear		
09 05 61 13-0006	SF >3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2004) .....	5.62	
	Note: Clear		
<b>09 05 61 13-0007</b>	<b>Moisture Vapor Transmission Control (Dependable Cutdown® II)</b> <small>(09 05 61 13)</small>		
09 05 61 13-0008	SF 8# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II) .....	3.54	
09 05 61 13-0009	SF 15# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II) .....	4.80	

**09 05 71 Acoustic Underlayment** (09 05)

<b>09 05 71 00-0001</b>	<b>Tile And Stone Acoustical Underlayment</b> <small>(09 05 71)</small>		
09 05 71 00-0002	SF 5 Mil Tile And Stone Acoustical Underlayment (EasyMat) .....	3.46	
	<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	0.38	
<b>09 05 71 00-0003</b>	<b>Resilient Floor Acoustical Underlayment</b> <small>(09 05 71)</small>		
09 05 71 00-0004	SF Vinyl, Linoleum, LVT And Vinyl Strip Flooring Acoustical Underlayment (Impacta, Soundseal VC300) .....	2.27	
09 05 71 00-0005	SF 2 MM Thick Resilient Plank Floor Acoustical Underlayment (Floormuffler).....	1.27	
09 05 71 00-0006	SF 0.055" Thick High Density Polyurethane Foam Floor Acoustical Underlayment (Silencer LVT) .....	1.60	

**09 20 Plaster and Gypsum Board** (09)

**09 22 Supports for Plaster and Gypsum Board** (09 20)

Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.

**09 22 13 Metal Furring** (09 22)

**09 22 13 13 Metal Channel Furring** (09 22 13)

<b>09 22 13 13-0001</b>	<b>Hat Furring Channel</b> <small>(09 22 13 13)</small>		
	Note: Includes clips where required.		
<b>09 22 13 13-0002</b>	<b>Installed On Walls, Hat Furring Channel</b> <small>(09 22 13 13-0001)</small>		
09 22 13 13-0003	SF 7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel .....	4.44	1.60
	<i>For Walls &gt;10' High, Add</i>	0.48	
	<i>For 24" On Center, Deduct</i>	-0.57	
	<i>For 12" On Center, Add</i>	0.73	
	<i>For 22 Gauge, Add</i>	0.62	
	<i>For 20 Gauge, Add</i>	1.30	
09 22 13 13-0004	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel .....	4.93	1.60
	<i>For Walls &gt;10' High, Add</i>	0.48	
	<i>For 24" On Center, Deduct</i>	-0.67	
	<i>For 12" On Center, Add</i>	0.83	
	<i>For 22 Gauge, Add</i>	0.87	
	<i>For 20 Gauge, Add</i>	1.62	
<b>09 22 13 13-0005</b>	<b>Installed On Columns And Beams, Hat Furring Channel</b> <small>(09 22 13 13-0001)</small>		
09 22 13 13-0006	SF 7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel.....	6.17	2.46
	<i>For Columns And Beams &gt;10' High, Add</i>	0.99	
	<i>For 24" On Center, Deduct</i>	-0.74	
	<i>For 12" On Center, Add</i>	0.99	
	<i>For 22 Gauge, Add</i>	0.62	
	<i>For 20 Gauge, Add</i>	1.56	
09 22 13 13-0007	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel .....	6.66	2.46
	<i>For Columns And Beams &gt;10' High, Add</i>	0.99	
	<i>For 24" On Center, Deduct</i>	-0.84	
	<i>For 12" On Center, Add</i>	1.09	
	<i>For 22 Gauge, Add</i>	0.87	
	<i>For 20 Gauge, Add</i>	1.88	
<b>09 22 13 13-0008</b>	<b>Installed On Ceilings, Hat Furring Channel</b> <small>(09 22 13 13-0001)</small>		
09 22 13 13-0009	SF 7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel .....	6.00	1.97
	<i>For Ceilings &gt;10' High, Add</i>	0.59	
	<i>For 24" On Center, Deduct</i>	-0.81	
	<i>For 12" On Center, Add</i>	1.00	
	<i>For 22 Gauge, Add</i>	1.03	
	<i>For 20 Gauge, Add</i>	1.95	

**09 Finishes****09 20 Plaster and Gypsum Board****09 22 Supports for Plaster and Gypsum Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 13-0010	SF		1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel .....	6.50	1.97
			<i>For Ceilings &gt; 10' High, Add</i>	0.59	
			<i>For 24" On Center, Deduct</i>	-0.91	
			<i>For 12" On Center, Add</i>	1.10	
			<i>For 22 Gauge, Add</i>	1.28	
			<i>For 20 Gauge, Add</i>	2.28	
<b>09 22 13 13-0011</b>			<b>Z Furring Channel</b> <small>(09 22 13 13)</small>		
<b>09 22 13 13-0012</b>			<b>Installed On Walls, Z Furring Channel</b> <small>(09 22 13 13-0011)</small>		
09 22 13 13-0013	SF		1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	3.42	1.60
			<i>For Walls &gt; 10' High, Add</i>	0.48	
			<i>For 24" On Center, Deduct</i>	-0.36	
			<i>For 12" On Center, Add</i>	0.52	
			<i>For 22 Gauge, Add</i>	0.11	
			<i>For 20 Gauge, Add</i>	0.63	
09 22 13 13-0014	SF		1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	3.46	1.60
			<i>For Walls &gt; 10' High, Add</i>	0.48	
			<i>For 24" On Center, Deduct</i>	-0.37	
			<i>For 12" On Center, Add</i>	0.53	
			<i>For 22 Gauge, Add</i>	0.13	
			<i>For 20 Gauge, Add</i>	0.65	
09 22 13 13-0015	SF		2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	3.50	1.60
			<i>For Walls &gt; 10' High, Add</i>	0.48	
			<i>For 24" On Center, Deduct</i>	-0.38	
			<i>For 12" On Center, Add</i>	0.54	
			<i>For 22 Gauge, Add</i>	0.15	
			<i>For 20 Gauge, Add</i>	0.68	
09 22 13 13-0016	SF		2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	3.53	1.60
			<i>For Walls &gt; 10' High, Add</i>	0.48	
			<i>For 24" On Center, Deduct</i>	-0.39	
			<i>For 12" On Center, Add</i>	0.55	
			<i>For 22 Gauge, Add</i>	0.17	
			<i>For 20 Gauge, Add</i>	0.70	
09 22 13 13-0017	SF		3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	3.56	1.60
			<i>For Walls &gt; 10' High, Add</i>	0.48	
			<i>For 24" On Center, Deduct</i>	-0.39	
			<i>For 12" On Center, Add</i>	0.55	
			<i>For 22 Gauge, Add</i>	0.18	
			<i>For 20 Gauge, Add</i>	0.72	
<b>09 22 13 23</b>			<b>Resilient Channel Furring</b> <small>(09 22 13)</small>		
<b>09 22 13 23-0001</b>			<b>Single-Leg Resilient Channel, RC1 Furring Channel</b> <small>(09 22 13 23)</small>		
			Note: Includes clips where required.		
<b>09 22 13 23-0002</b>			<b>Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel</b> <small>(09 22 13 23-0001)</small>		
09 22 13 23-0003	SF		25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel .....	3.66	1.60
			<i>For Walls &gt; 10' High, Add</i>	0.48	
			<i>For 24" On Center, Deduct</i>	-0.41	
			<i>For 12" On Center, Add</i>	0.57	
			<i>For 20 Gauge, Add</i>	0.78	
<b>09 22 13 23-0004</b>			<b>Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel</b> <small>(09 22 13 23-0001)</small>		
09 22 13 23-0005	SF		25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel .....	4.40	1.97
			<i>For Ceilings &gt; 10' High, Add</i>	0.59	
			<i>For 24" On Center, Deduct</i>	-0.49	
			<i>For 12" On Center, Add</i>	0.68	
			<i>For 20 Gauge, Add</i>	0.89	
<b>09 22 13 23-0006</b>			<b>Double-Leg Resilient Channel, RC2 Furring Channel</b> <small>(09 22 13 23)</small>		
			Note: Includes clips where required.		
<b>09 22 13 23-0007</b>			<b>Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel</b> <small>(09 22 13 23-0006)</small>		
09 22 13 23-0008	SF		25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel .....	3.84	1.60
			<i>For Walls &gt; 10' High, Add</i>	0.48	
			<i>For 24" On Center, Deduct</i>	-0.45	
			<i>For 12" On Center, Add</i>	0.61	
			<i>For 20 Gauge, Add</i>	0.90	
<b>09 22 13 23-0009</b>			<b>Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel</b> <small>(09 22 13 23-0006)</small>		
09 22 13 23-0010	SF		25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel .....	4.58	1.97
			<i>For Ceilings &gt; 10' High, Add</i>	0.59	
			<i>For 24" On Center, Deduct</i>	-0.52	
			<i>For 12" On Center, Add</i>	0.72	
			<i>For 20 Gauge, Add</i>	1.01	
<b>09 22 16</b>			<b>Non-Structural Metal Framing</b> <small>(09 22)</small>		
			Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.		
<b>09 22 16 13</b>			<b>Non-Structural Metal Stud Framing</b> <small>(09 22 16)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 22 16 13-0001 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)

09 22 16 13-0002	SF		1-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners .....	2.99	0.67
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
			<i>For Walls &gt;10' High, Add</i>	0.60	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.64	
			<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.14	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.55	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.72	
			<i>For Curved Wall, Add</i>	0.50	
			<i>For 12" On Center, Add</i>	0.51	
			<i>For 24" On Center, Deduct</i>	-0.51	
			<i>For Up To 100, Add</i>	0.93	
			<i>For &gt;100 To 300, Add</i>	0.47	
			<i>For &gt;1,000, Deduct</i>	-0.28	
09 22 16 13-0003	SF		2-1/2" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners .....	3.18	0.70
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
			<i>For Walls &gt;10' High, Add</i>	0.64	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.71	
			<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.23	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.58	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.75	
			<i>For Curved Wall, Add</i>	0.52	
			<i>For 12" On Center, Add</i>	0.55	
			<i>For 24" On Center, Deduct</i>	-0.55	
			<i>For Up To 100, Add</i>	0.98	
			<i>For &gt;100 To 300, Add</i>	0.49	
			<i>For &gt;1,000, Deduct</i>	-0.30	
09 22 16 13-0004	SF		3-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners .....	3.54	0.72
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
			<i>For Walls &gt;10' High, Add</i>	0.71	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.82	
			<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.37	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.63	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.81	
			<i>For Curved Wall, Add</i>	0.55	
			<i>For 12" On Center, Add</i>	0.62	
			<i>For 24" On Center, Deduct</i>	-0.62	
			<i>For Up To 100, Add</i>	1.07	
			<i>For &gt;100 To 300, Add</i>	0.54	
			<i>For &gt;1,000, Deduct</i>	-0.35	
09 22 16 13-0005	SF		4" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners .....	3.80	0.76
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
			<i>For Walls &gt;10' High, Add</i>	0.76	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.92	
			<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.49	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.67	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.86	
			<i>For Curved Wall, Add</i>	0.58	
			<i>For 12" On Center, Add</i>	0.66	
			<i>For 24" On Center, Deduct</i>	-0.66	
			<i>For Up To 100, Add</i>	1.14	
			<i>For &gt;100 To 300, Add</i>	0.57	
			<i>For &gt;1,000, Deduct</i>	-0.38	
09 22 16 13-0006	SF		6" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners .....	4.34	0.80
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
			<i>For Walls &gt;10' High, Add</i>	0.87	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.05	
			<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.66	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.74	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.94	
			<i>For Curved Wall, Add</i>	0.61	
			<i>For 12" On Center, Add</i>	0.77	
			<i>For 24" On Center, Deduct</i>	-0.77	
			<i>For Up To 100, Add</i>	1.27	
			<i>For &gt;100 To 300, Add</i>	0.64	
			<i>For &gt;1,000, Deduct</i>	-0.45	

09 22 16 13-0007 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)

09 22 16 13-0008	SF		1-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners .....	3.48	0.68
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
			<i>For Walls &gt;10' High, Add</i>	0.70	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.72	
			<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.23	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.60	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.78	
			<i>For Curved Wall, Add</i>	0.51	
			<i>For 12" On Center, Add</i>	0.61	
			<i>For 24" On Center, Deduct</i>	-0.61	
			<i>For Up To 100, Add</i>	1.04	
			<i>For &gt;100 To 300, Add</i>	0.52	
			<i>For &gt;1,000, Deduct</i>	-0.35	

## 09 Finishes

## 09 20 Plaster and Gypsum Board

## 09 22 Supports for Plaster and Gypsum Board

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 22 16 13-0009	SF	2-1/2" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners .....	3.88	0.72
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	0.78	
		For Soffit, Columns Or Beams Up To 10' High, Add	1.82	
		For Soffit, Columns Or Beams >10' High, Add	2.36	
		For Horizontal Installation Up To 10' High, Add	0.66	
		For Horizontal Installation >10' High, Add	0.84	
		For Curved Wall, Add	0.54	
		For 12" On Center, Add	0.69	
		For 24" On Center, Deduct	-0.69	
		For Up To 100, Add	1.13	
		For >100 To 300, Add	0.57	
		For >1,000, Deduct	-0.40	
09 22 16 13-0010	SF	3-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners .....	4.36	0.74
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	0.87	
		For Soffit, Columns Or Beams Up To 10' High, Add	1.94	
		For Soffit, Columns Or Beams >10' High, Add	2.50	
		For Horizontal Installation Up To 10' High, Add	0.72	
		For Horizontal Installation >10' High, Add	0.91	
		For Curved Wall, Add	0.56	
		For 12" On Center, Add	0.78	
		For 24" On Center, Deduct	-0.78	
		For Up To 100, Add	1.25	
		For >100 To 300, Add	0.62	
		For >1,000, Deduct	-0.47	
09 22 16 13-0011	SF	4" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Structural, Galvanized Steel Framing With Tracks And Runners .....	4.66	0.78
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	0.93	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.04	
		For Soffit, Columns Or Beams >10' High, Add	2.63	
		For Horizontal Installation Up To 10' High, Add	0.76	
		For Horizontal Installation >10' High, Add	0.96	
		For Curved Wall, Add	0.59	
		For 12" On Center, Add	0.83	
		For 24" On Center, Deduct	-0.83	
		For Up To 100, Add	1.33	
		For >100 To 300, Add	0.66	
		For >1,000, Deduct	-0.50	
09 22 16 13-0012	SF	6" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners .....	6.93	0.82
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	1.39	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.35	
		For Soffit, Columns Or Beams >10' High, Add	2.97	
		For Horizontal Installation Up To 10' High, Add	1.00	
		For Horizontal Installation >10' High, Add	1.21	
		For Curved Wall, Add	0.62	
		For 12" On Center, Add	1.28	
		For 24" On Center, Deduct	-1.28	
		For Up To 100, Add	1.80	
		For >100 To 300, Add	0.90	
		For >1,000, Deduct	-0.83	
09 22 16 13-0013		18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners <small>(09 22 16 13)</small>		
09 22 16 13-0014	SF	2-1/2" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners .....	5.78	0.72
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	1.16	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.04	
		For Soffit, Columns Or Beams >10' High, Add	2.59	
		For Horizontal Installation Up To 10' High, Add	0.85	
		For Horizontal Installation >10' High, Add	1.04	
		For Curved Wall, Add	0.55	
		For 12" On Center, Add	1.06	
		For 24" On Center, Deduct	-1.06	
		For Up To 100, Add	1.52	
		For >100 To 300, Add	0.76	
		For >1,000, Deduct	-0.68	
09 22 16 13-0015	SF	3-5/8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners .....	6.46	0.76
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	1.29	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.19	
		For Soffit, Columns Or Beams >10' High, Add	2.77	
		For Horizontal Installation Up To 10' High, Add	0.94	
		For Horizontal Installation >10' High, Add	1.13	
		For Curved Wall, Add	0.58	
		For 12" On Center, Add	1.20	
		For 24" On Center, Deduct	-1.20	
		For Up To 100, Add	1.68	
		For >100 To 300, Add	0.84	
		For >1,000, Deduct	-0.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0016	SF		4" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners ..... For Powder-Actuated Fasteners Every 2', Add For Walls >10' High, Add For Soffit, Columns Or Beams Up To 10' High, Add For Soffit, Columns Or Beams >10' High, Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Curved Wall, Add For 12" On Center, Add For 24" On Center, Deduct For Up To 100, Add For >100 To 300, Add For >1,000, Deduct	6.97 0.05 1.39 2.31 2.92 1.00 1.20 0.61 1.29 -1.29 1.80 0.90 -0.84	0.80
09 22 16 13-0017	SF		6" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners ..... For Powder-Actuated Fasteners Every 2', Add For Walls >10' High, Add For Soffit, Columns Or Beams Up To 10' High, Add For Soffit, Columns Or Beams >10' High, Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Curved Wall, Add For 12" On Center, Add For 24" On Center, Deduct For Up To 100, Add For >100 To 300, Add For >1,000, Deduct	9.44 0.05 1.89 2.65 3.29 1.26 1.48 0.64 1.78 -1.78 2.31 1.16 -1.20	0.84
09 22 16 13-0018	SF		8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners ..... For Powder-Actuated Fasteners Every 2', Add For Walls >10' High, Add For Soffit, Columns Or Beams Up To 10' High, Add For Soffit, Columns Or Beams >10' High, Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Curved Wall, Add For 12" On Center, Add For 24" On Center, Deduct For Up To 100, Add For >100 To 300, Add For >1,000, Deduct	10.33 0.05 2.07 2.81 3.48 1.37 1.59 0.67 1.96 -1.96 2.51 1.26 -1.33	0.90
09 22 16 13-0019			<b>16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners</b> (09 22 16 13)		
09 22 16 13-0020	SF		2-1/2" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners ..... For Powder-Actuated Fasteners Every 2', Add For Walls >10' High, Add For Soffit, Columns Or Beams Up To 10' High, Add For Soffit, Columns Or Beams >10' High, Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Curved Wall, Add For 12" On Center, Add For 24" On Center, Deduct For Up To 100, Add For >100 To 300, Add For >1,000, Deduct	6.19 0.05 1.24 2.12 2.69 0.90 1.09 0.56 1.14 -1.14 1.61 0.81 -0.74	0.74
09 22 16 13-0021	SF		3-5/8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners ..... For Powder-Actuated Fasteners Every 2', Add For Walls >10' High, Add For Soffit, Columns Or Beams Up To 10' High, Add For Soffit, Columns Or Beams >10' High, Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Curved Wall, Add For 12" On Center, Add For 24" On Center, Deduct For Up To 100, Add For >100 To 300, Add For >1,000, Deduct	7.44 0.05 1.49 2.32 2.91 1.04 1.24 0.59 1.39 -1.39 1.88 0.94 -0.92	0.78
09 22 16 13-0022	SF		4" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners ..... For Powder-Actuated Fasteners Every 2', Add For Walls >10' High, Add For Soffit, Columns Or Beams Up To 10' High, Add For Soffit, Columns Or Beams >10' High, Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Curved Wall, Add For 12" On Center, Add For 24" On Center, Deduct For Up To 100, Add For >100 To 300, Add For >1,000, Deduct	7.89 0.05 1.58 2.45 3.07 1.10 1.31 0.62 1.47 -1.47 1.99 1.00 -0.98	0.82

**09 Finishes****09 20 Plaster and Gypsum Board****09 22 Supports for Plaster and Gypsum Board**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 22 16 13-0023	SF	6" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners .....	10.27	0.87
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
		<i>For Walls &gt;10' High, Add</i>	2.05	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.77	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.43	
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.35	
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.57	
		<i>For Curved Wall, Add</i>	0.65	
		<i>For 12" On Center, Add</i>	1.95	
		<i>For 24" On Center, Deduct</i>	-1.95	
		<i>For Up To 100, Add</i>	2.49	
		<i>For &gt;100 To 300, Add</i>	1.25	
		<i>For &gt;1,000, Deduct</i>	-1.32	
09 22 16 13-0024	SF	8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners .....	11.37	0.92
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
		<i>For Walls &gt;10' High, Add</i>	2.27	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.96	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.65	
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.48	
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.71	
		<i>For Curved Wall, Add</i>	0.68	
		<i>For 12" On Center, Add</i>	2.16	
		<i>For 24" On Center, Deduct</i>	-2.16	
		<i>For Up To 100, Add</i>	2.73	
		<i>For &gt;100 To 300, Add</i>	1.37	
		<i>For &gt;1,000, Deduct</i>	-1.48	

**09 22 16 13-0025 Galvanized Steel Backing Plates** (09 22 16 13)

Note: Used to attach fixtures, cabinets, shelves or handrails to metal stud walls.

09 22 16 13-0026	LF	3" Wide, 25 Gauge Galvanized Steel Backing Plate .....	1.22	
09 22 16 13-0027	LF	4" Wide, 25 Gauge Galvanized Steel Backing Plate .....	1.49	
09 22 16 13-0028	LF	6" Wide, 25 Gauge Galvanized Steel Backing Plate .....	1.88	
09 22 16 13-0029	LF	8" Wide, 25 Gauge Galvanized Steel Backing Plate .....	2.28	
09 22 16 13-0030	LF	10" Wide, 25 Gauge Galvanized Steel Backing Plate .....	2.67	
09 22 16 13-0031	LF	12" Wide, 25 Gauge Galvanized Steel Backing Plate .....	3.17	
09 22 16 13-0032	LF	3" Wide, 20 Gauge Galvanized Steel Backing Plate .....	1.53	
09 22 16 13-0033	LF	4" Wide, 20 Gauge Galvanized Steel Backing Plate .....	1.88	
09 22 16 13-0034	LF	6" Wide, 20 Gauge Galvanized Steel Backing Plate .....	2.47	
09 22 16 13-0035	LF	8" Wide, 20 Gauge Galvanized Steel Backing Plate .....	3.06	
09 22 16 13-0036	LF	10" Wide, 20 Gauge Galvanized Steel Backing Plate .....	3.67	
09 22 16 13-0037	LF	12" Wide, 20 Gauge Galvanized Steel Backing Plate .....	4.34	
09 22 16 13-0038	LF	3" Wide, 16 Gauge Galvanized Steel Backing Plate .....	2.05	
09 22 16 13-0039	LF	4" Wide, 16 Gauge Galvanized Steel Backing Plate .....	2.53	
09 22 16 13-0040	LF	6" Wide, 16 Gauge Galvanized Steel Backing Plate .....	3.39	
09 22 16 13-0041	LF	8" Wide, 16 Gauge Galvanized Steel Backing Plate .....	4.25	
09 22 16 13-0042	LF	10" Wide, 16 Gauge Galvanized Steel Backing Plate .....	5.17	
09 22 16 13-0043	LF	12" Wide, 16 Gauge Galvanized Steel Backing Plate .....	6.07	
09 22 16 13-0044	LF	3" Wide, 14 Gauge Galvanized Steel Backing Plate .....	2.39	
09 22 16 13-0045	LF	4" Wide, 14 Gauge Galvanized Steel Backing Plate .....	2.98	
09 22 16 13-0046	LF	6" Wide, 14 Gauge Galvanized Steel Backing Plate .....	4.05	
09 22 16 13-0047	LF	8" Wide, 14 Gauge Galvanized Steel Backing Plate .....	5.13	
09 22 16 13-0048	LF	10" Wide, 14 Gauge Galvanized Steel Backing Plate .....	6.28	
09 22 16 13-0049	LF	12" Wide, 14 Gauge Galvanized Steel Backing Plate .....	7.41	

**09 22 36 Lath** (09 22)**09 22 36 13 Gypsum Lath** (09 22 36)**09 22 36 13-0001 Plaster Base Gypsum Panels** (09 22 36 13)

09 22 36 13-0002	SF	3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel .....	1.27	0.44
		<i>For Walls &gt;10' High, Add</i>	0.11	
		<i>For Up To 100, Add</i>	0.45	
		<i>For &gt;100 To 500, Add</i>	0.22	
		<i>For &gt;5,000, Deduct</i>	-0.09	
09 22 36 13-0003	SF	1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel .....	1.72	0.51
		<i>For Walls &gt;10' High, Add</i>	0.13	
		<i>For Up To 100, Add</i>	0.52	
		<i>For &gt;100 To 500, Add</i>	0.26	
		<i>For &gt;5,000, Deduct</i>	-0.10	
09 22 36 13-0004	SF	5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel .....	2.18	0.59
		<i>For Walls &gt;10' High, Add</i>	0.15	
		<i>For Up To 100, Add</i>	0.59	
		<i>For &gt;100 To 500, Add</i>	0.30	
		<i>For &gt;5,000, Deduct</i>	-0.12	
09 22 36 13-0005	SF	3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel .....	1.62	0.62
		<i>For Ceilings &gt;10' High, Add</i>	0.19	
		<i>For Up To 100, Add</i>	0.62	
		<i>For &gt;100 To 500, Add</i>	0.31	
		<i>For &gt;5,000, Deduct</i>	-0.12	
09 22 36 13-0006	SF	1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel .....	2.13	0.71
		<i>For Ceilings &gt;10' High, Add</i>	0.22	
		<i>For Up To 100, Add</i>	0.72	
		<i>For &gt;100 To 500, Add</i>	0.36	
		<i>For &gt;5,000, Deduct</i>	-0.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0007	SF		5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel ..... For Ceilings >10' High, Add For Up To 100, Add For >100 To 500, Add For >5,000, Deduct	2.64 0.25 0.82 0.41 -0.16	0.82
09 22 36 13-0008	SF		3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel..... For Columns And Beams >10' High, Add For Up To 100, Add For >100 To 500, Add For >5,000, Deduct	1.98 0.24 0.80 0.40 -0.16	0.79
09 22 36 13-0009	SF		1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel..... For Columns And Beams >10' High, Add For Up To 100, Add For >100 To 500, Add For >5,000, Deduct	2.53 0.28 0.92 0.46 -0.18	0.93
09 22 36 13-0010	SF		5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel..... For Columns And Beams >10' High, Add For Up To 100, Add For >100 To 500, Add For >5,000, Deduct	3.11 0.32 1.06 0.53 -0.21	1.07
<b>09 22 36 13-0011 Firestop Plaster Base Gypsum Panels (09 22 36 13)</b>					
09 22 36 13-0012	SF		3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel ..... For Walls >10' High, Add For Up To 100, Add For >100 To 500, Add For >5,000, Deduct	1.72 0.11 0.45 0.22 -0.09	0.44
09 22 36 13-0013	SF		1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel ..... For Walls >10' High, Add For Up To 100, Add For >100 To 500, Add For >5,000, Deduct	2.00 0.13 0.52 0.26 -0.10	0.51
09 22 36 13-0014	SF		3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel..... For Ceilings >10' High, Add For Up To 100, Add For >100 To 500, Add For >5,000, Deduct	2.07 0.19 0.62 0.31 -0.12	0.62
09 22 36 13-0015	SF		1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel..... For Ceilings >10' High, Add For Up To 100, Add For >100 To 500, Add For >5,000, Deduct	2.41 0.22 0.72 0.36 -0.14	0.71
09 22 36 13-0016	SF		3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel..... For Columns And Beams >10' High, Add For Up To 100, Add For >100 To 500, Add For >5,000, Deduct	2.43 0.24 0.80 0.40 -0.16	0.79
09 22 36 13-0017	SF		1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel..... For Columns And Beams >10' High, Add For Up To 100, Add For >100 To 500, Add For >5,000, Deduct	2.81 0.28 0.92 0.46 -0.18	0.93
<b>09 22 36 13-0018 Foil Back Plaster Base Gypsum Panels (09 22 36 13)</b>					
09 22 36 13-0019	SF		3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel ..... For Walls >10' High, Add For Up To 100, Add For >100 To 500, Add For >5,000, Deduct	1.72 0.11 0.45 0.22 -0.09	0.44
09 22 36 13-0020	SF		1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel ..... For Walls >10' High, Add For Up To 100, Add For >100 To 500, Add For >5,000, Deduct	2.00 0.13 0.52 0.26 -0.10	0.51
09 22 36 13-0021	SF		3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel..... For Ceilings >10' High, Add For Up To 100, Add For >100 To 500, Add For >5,000, Deduct	2.07 0.19 0.62 0.31 -0.12	0.62
09 22 36 13-0022	SF		1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel..... For Ceilings >10' High, Add For Up To 100, Add For >100 To 500, Add For >5,000, Deduct	2.41 0.22 0.72 0.36 -0.14	0.71
09 22 36 13-0023	SF		3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel ..... For Columns And Beams >10' High, Add For Up To 100, Add For >100 To 500, Add For >5,000, Deduct	2.43 0.24 0.80 0.40 -0.16	0.79
09 22 36 13-0024	SF		1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel ..... For Columns And Beams >10' High, Add For Up To 100, Add For >100 To 500, Add For >5,000, Deduct	2.81 0.28 0.92 0.46 -0.18	0.93

**09 22 36 23 Metal Lath (09 22 36)**

## 09 Finishes

## 09 20 Plaster and Gypsum Board

## 09 22 Supports for Plaster and Gypsum Board

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 22 36 23-0001	Flat Diamond, Expanded Metal Lath <small>(09 22 36 23)</small>		
09 22 36 23-0002	SF 1.75 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	2.14	0.61
	For Walls >10' High, Add	0.17	
	For Paper Backed Lath, Add	0.06	
	For Up To 100, Add	0.69	
	For >100 To 500, Add	0.34	
	For >5,000, Deduct	-0.14	
09 22 36 23-0003	SF 2 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	2.23	0.61
	For Walls >10' High, Add	0.17	
	For Paper Backed Lath, Add	0.06	
	For Up To 100, Add	0.69	
	For >100 To 500, Add	0.34	
	For >5,000, Deduct	-0.14	
09 22 36 23-0004	SF 2.5 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	2.32	0.61
	For Walls >10' High, Add	0.17	
	For Paper Backed Lath, Add	0.06	
	For Up To 100, Add	0.69	
	For >100 To 500, Add	0.34	
	For >5,000, Deduct	-0.14	
09 22 36 23-0005	SF 3.4 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	2.64	0.65
	For Walls >10' High, Add	0.18	
	For Paper Backed Lath, Add	0.06	
	For Up To 100, Add	0.73	
	For >100 To 500, Add	0.37	
	For >5,000, Deduct	-0.15	
09 22 36 23-0006	SF 1.75 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	2.34	0.70
	For Ceilings >10' High, Add	0.24	
	For Paper Backed Lath, Add	0.06	
	For Up To 100, Add	0.79	
	For >100 To 500, Add	0.39	
	For >5,000, Deduct	-0.16	
09 22 36 23-0007	SF 2 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	2.43	0.70
	For Ceilings >10' High, Add	0.24	
	For Paper Backed Lath, Add	0.06	
	For Up To 100, Add	0.79	
	For >100 To 500, Add	0.39	
	For >5,000, Deduct	-0.16	
09 22 36 23-0008	SF 2.5 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	2.52	0.70
	For Ceilings >10' High, Add	0.24	
	For Paper Backed Lath, Add	0.06	
	For Up To 100, Add	0.79	
	For >100 To 500, Add	0.39	
	For >5,000, Deduct	-0.16	
09 22 36 23-0009	SF 3.4 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	2.75	0.70
	For Ceilings >10' High, Add	0.24	
	For Paper Backed Lath, Add	0.06	
	For Up To 100, Add	0.79	
	For >100 To 500, Add	0.39	
	For >5,000, Deduct	-0.16	
09 22 36 23-0010	SF 1.75 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	3.14	0.99
	For Columns And Beams >10' High, Add	0.33	
	For Paper Backed Lath, Add	0.06	
	For Up To 100, Add	1.10	
	For >100 To 500, Add	0.55	
	For >5,000, Deduct	-0.22	
09 22 36 23-0011	SF 2 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	3.23	0.99
	For Columns And Beams >10' High, Add	0.33	
	For Paper Backed Lath, Add	0.06	
	For Up To 100, Add	1.10	
	For >100 To 500, Add	0.55	
	For >5,000, Deduct	-0.22	
09 22 36 23-0012	SF 2.5 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	3.32	0.99
	For Columns And Beams >10' High, Add	0.33	
	For Paper Backed Lath, Add	0.06	
	For Up To 100, Add	1.10	
	For >100 To 500, Add	0.55	
	For >5,000, Deduct	-0.22	
09 22 36 23-0013	SF 3.4 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	4.09	1.24
	For Columns And Beams >10' High, Add	0.41	
	For Paper Backed Lath, Add	0.06	
	For Up To 100, Add	1.37	
	For >100 To 500, Add	0.69	
	For >5,000, Deduct	-0.27	
09 22 36 23-0014	Self Furring, Flat Diamond, Expanded Metal Lath <small>(09 22 36 23)</small>		
09 22 36 23-0015	SF 1.75 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	2.23	0.65
	For Walls >10' High, Add	0.18	
	For Paper Backed Lath, Add	0.06	
	For Up To 100, Add	0.73	
	For >100 To 500, Add	0.37	
	For >5,000, Deduct	-0.15	
09 22 36 23-0016	SF 2.0 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	2.32	0.65
	For Walls >10' High, Add	0.18	
	For Paper Backed Lath, Add	0.06	
	For Up To 100, Add	0.73	
	For >100 To 500, Add	0.37	
	For >5,000, Deduct	-0.15	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 22 36 23-0017	SF		2.5 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath ..... <i>For Walls &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.41 0.18 0.06 0.73 0.37 -0.15	0.65
	09 22 36 23-0018	SF		3.4 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath ..... <i>For Walls &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.64 0.18 0.06 0.73 0.37 -0.15	0.65
	09 22 36 23-0019	SF		1.75 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath ..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.69 0.41 0.06 1.37 0.69 -0.27	1.24
	09 22 36 23-0020	SF		2.0 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath ..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.78 0.41 0.06 1.37 0.69 -0.27	1.24
	09 22 36 23-0021	SF		2.5 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath ..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.87 0.41 0.06 1.37 0.69 -0.27	1.24
	09 22 36 23-0022	SF		3.4 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath ..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	4.48 0.47 0.06 1.57 0.78 -0.31	1.41
	<b>09 22 36 23-0023</b>			<b>High Rib Metal Lath</b> <small>(09 22 36 23)</small>		
	09 22 36 23-0024	SF		2.75 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath ..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.59 0.24 0.79 0.39 -0.16	0.70
	09 22 36 23-0025	SF		3.4 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath ..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.72 0.24 0.79 0.39 -0.16	0.70
	09 22 36 23-0026	SF		3.4 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath ..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.80 0.24 0.79 0.39 -0.16	0.70
	09 22 36 23-0027	SF		4.0 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath ..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.95 0.24 0.79 0.39 -0.16	0.70
	<b>09 22 36 33</b>			<b>Fiberglass Lath</b> <small>(09 22 36)</small>		
	<b>09 22 36 33-0001</b>			<b>Non-Metallic, Fiberglass Lath</b> <small>(09 22 36 33)</small>		
	09 22 36 33-0002	SF		1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath ..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.79 0.24 0.79 0.39 -0.16	0.70
	09 22 36 33-0003	SF		1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath ..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.96 0.24 0.79 0.39 -0.16	0.70
	09 22 36 33-0004	SF		1/8" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath ..... <i>For Walls &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.68 0.18 0.73 0.37 -0.15	0.65
	09 22 36 33-0005	SF		1/4" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath ..... <i>For Walls &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.85 0.18 0.73 0.37 -0.15	0.65

**09 23 Gypsum Plastering** (09 20)

**09 23 13 Acoustical Gypsum Plastering** (09 23)

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for

**09 Finishes**

**09 20 Plaster and Gypsum Board**

**09 23 Gypsum Plastering**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
lath.					
09 23 13 00-0001		<b>Casing And Corner Beads</b> (09 23 13)			
09 23 13 00-0002	LF	Galvanized Expanded Flange Casing Bead For Plaster Applications .....	4.01		0.99
09 23 13 00-0003	LF	Zinc Expanded Flange Casing Bead For Plaster Applications .....	4.02		0.99
09 23 13 00-0004	LF	Vinyl Expanded Flange Casing Bead For Plaster Applications .....	4.02		0.99
09 23 13 00-0005	LF	Galvanized Corner Bead For Plaster Applications .....	3.88		0.99
09 23 13 00-0006	LF	Vinyl Corner Bead For Plaster Applications .....	3.81		0.99
09 23 13 00-0007		<b>Trim</b> (09 23 13)			
09 23 13 00-0008	LF	Galvanized "J" Trim For Plaster Applications .....	4.56		0.99
		<i>For Vinyl Instead Of Galvanized, Add</i>	0.33		
		<i>For Zinc Instead Of Galvanized, Add</i>	2.18		
09 23 13 00-0009	LF	Galvanized "L" Trim For Plaster Applications .....	4.56		0.99
		<i>For Vinyl Instead Of Galvanized, Add</i>	0.33		
		<i>For Zinc Instead Of Galvanized, Add</i>	2.18		
09 23 13 00-0010	LF	Galvanized "U" Trim For Plaster Applications .....	4.56		0.99
		<i>For Vinyl Instead Of Galvanized, Add</i>	0.33		
		<i>For Zinc Instead Of Galvanized, Add</i>	2.18		
09 23 13 00-0011		<b>Plaster Forms And Expansion Joints</b> (09 23 13)			
09 23 13 00-0012	LF	3/4" Galvanized Expansion Joint For Plaster Applications .....	4.64		0.99
09 23 13 00-0013		<b>One Skim Coat Gypsum Plaster On Walls</b> (09 23 13)			
09 23 13 00-0014	SF	Skim Coat One Coat Gypsum Plaster On Walls .....	1.13		
		<i>For Walls &gt;10' High, Add</i>	0.10		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.15		
		<i>For Horizontal Installation &gt;10' High, Add</i>	0.30		
		<i>For Columns Or Beams Up To 10' High, Add</i>	0.31		
		<i>For Columns Or Beams &gt;10' High, Add</i>	0.46		
		<i>For Up To 100, Add</i>	0.50		
		<i>For &gt;100 To 500, Add</i>	0.25		
		<i>For &gt;5,000, Deduct</i>	-0.20		
09 23 13 00-0015	SF	For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls .....	0.82		
		<i>For Walls &gt;10' High, Add</i>	0.07		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.11		
		<i>For Horizontal Installation &gt;10' High, Add</i>	0.22		
		<i>For Columns Or Beams Up To 10' High, Add</i>	0.22		
		<i>For Columns Or Beams &gt;10' High, Add</i>	0.33		
		<i>For Up To 100, Add</i>	0.36		
		<i>For &gt;100 To 500, Add</i>	0.18		
		<i>For &gt;5,000, Deduct</i>	-0.14		
09 23 13 00-0016		<b>Two Coats Gypsum Plaster On Walls</b> (09 23 13)			
09 23 13 00-0017	SF	Smooth Finish Two Coats Gypsum Plaster On Walls .....	5.74		3.33
		<i>For Walls &gt;10' High, Add</i>	0.55		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.82		
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.65		
		<i>For Columns Or Beams Up To 10' High, Add</i>	1.70		
		<i>For Columns Or Beams &gt;10' High, Add</i>	2.53		
		<i>For Up To 100, Add</i>	2.75		
		<i>For &gt;100 To 500, Add</i>	1.37		
		<i>For &gt;5,000, Deduct</i>	-1.10		
09 23 13 00-0018	SF	Sand Aggregate Two Coats Gypsum Plaster On Walls .....	5.80		3.15
		<i>For Walls &gt;10' High, Add</i>	0.52		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.77		
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.55		
		<i>For Columns Or Beams Up To 10' High, Add</i>	1.60		
		<i>For Columns Or Beams &gt;10' High, Add</i>	2.37		
		<i>For Up To 100, Add</i>	2.58		
		<i>For &gt;100 To 500, Add</i>	1.29		
		<i>For &gt;5,000, Deduct</i>	-1.03		
09 23 13 00-0019	SF	Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls .....	5.81		3.15
		<i>For Walls &gt;10' High, Add</i>	0.52		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.77		
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.55		
		<i>For Columns Or Beams Up To 10' High, Add</i>	1.60		
		<i>For Columns Or Beams &gt;10' High, Add</i>	2.37		
		<i>For Up To 100, Add</i>	2.58		
		<i>For &gt;100 To 500, Add</i>	1.29		
		<i>For &gt;5,000, Deduct</i>	-1.03		
09 23 13 00-0020		<b>Three Coats Gypsum Plaster On Walls</b> (09 23 13)			
09 23 13 00-0021	SF	Smooth Finish Three Coats Gypsum Plaster On Walls .....	6.92		4.05
		<i>For Walls &gt;10' High, Add</i>	0.66		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.98		
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.97		
		<i>For Columns Or Beams Up To 10' High, Add</i>	2.03		
		<i>For Columns Or Beams &gt;10' High, Add</i>	3.02		
		<i>For Up To 100, Add</i>	3.28		
		<i>For &gt;100 To 500, Add</i>	1.64		
		<i>For &gt;5,000, Deduct</i>	-1.31		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 23 13 00-0022	SF			Sand Aggregate Three Coats Gypsum Plaster On Walls .....	6.83	3.69
				For Walls >10' High, Add	0.61	
				For Horizontal Installation Up To 10' High, Add	0.91	
				For Horizontal Installation >10' High, Add	1.82	
				For Columns Or Beams Up To 10' High, Add	1.88	
				For Columns Or Beams >10' High, Add	2.80	
				For Up To 100, Add	3.04	
				For >100 To 500, Add	1.52	
				For >5,000, Deduct	-1.22	
09 23 13 00-0023	SF			Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls.....	6.49	3.69
				For Walls >10' High, Add	0.61	
				For Horizontal Installation Up To 10' High, Add	0.91	
				For Horizontal Installation >10' High, Add	1.82	
				For Columns Or Beams Up To 10' High, Add	1.88	
				For Columns Or Beams >10' High, Add	2.78	
				For Up To 100, Add	3.03	
				For >100 To 500, Add	1.51	
				For >5,000, Deduct	-1.21	

**09 23 13 00-0024 Plaster Bonding Agent** (09 23 13)

09 23 13 00-0025	SF			1 Coat, Brush/Roller Plaster Bonding Agent.....	0.64	
				For Walls >10' High, Add	0.05	
				For Columns Or Beams Up To 10' High, Add	0.16	
				For Columns Or Beams >10' High, Add	0.24	
				For Ceiling Application Up To 10' High, Add	0.07	
				For Ceiling Application >10' High, Add	0.12	

**09 24 Cement Plastering** (09 20)

**09 24 13 Acoustical Cement Plastering** (09 24)

**09 24 13 00-0001 Keene's Cement Plaster, Quick Setting, White Hard Plaster** (09 24 13)

Note: Used for areas with higher than normal moisture.

09 24 13 00-0002	SF			1 Coat Keene's Cement Plaster On Walls .....	4.41	2.25
				For Walls >10' High, Add	0.36	
				For Horizontal Installation Up To 10' High, Add	0.54	
				For Horizontal Installation >10' High, Add	1.08	
				For Columns Or Beams Up To 10' High, Add	1.12	
				For Columns Or Beams >10' High, Add	1.66	
				For Up To 100, Add	1.80	
				For >100 To 500, Add	0.90	
				For >5,000, Deduct	-0.72	
09 24 13 00-0003	SF			2 Coat Keene's Cement Plaster On Walls .....	6.73	3.52
				For Walls >10' High, Add	0.57	
				For Horizontal Installation Up To 10' High, Add	0.86	
				For Horizontal Installation >10' High, Add	1.71	
				For Columns Or Beams Up To 10' High, Add	1.77	
				For Columns Or Beams >10' High, Add	2.62	
				For Up To 100, Add	2.85	
				For >100 To 500, Add	1.43	
				For >5,000, Deduct	-1.14	
09 24 13 00-0004	SF			3 Coat Keene's Cement Plaster On Walls .....	7.61	3.96
				For Walls >10' High, Add	0.65	
				For Horizontal Installation Up To 10' High, Add	0.97	
				For Horizontal Installation >10' High, Add	1.94	
				For Columns Or Beams Up To 10' High, Add	2.00	
				For Columns Or Beams >10' High, Add	2.97	
				For Up To 100, Add	3.23	
				For >100 To 500, Add	1.61	
				For >5,000, Deduct	-1.29	

**09 24 23 Cement Stucco** (09 24)

Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

**09 24 23 00-0001 Stucco** (09 24 23)

Note: Excludes wall scaffolding or lifting equipment.

09 24 23 00-0002	SF			Scratch/Brown/Finish, Three Coat Troweled Stucco.....	8.55	2.79
				Note: Excludes lath and felt. Interior or exterior, one side.		
				For Walls >10' High, Add	0.76	
				For Horizontal Installation Up To 10' High, Add	1.14	
				For Horizontal Installation >10' High, Add	2.29	
				For Columns Or Beams Up To 10' High, Add	2.37	
				For Columns Or Beams >10' High, Add	3.51	
				For Color Added To Finish Coat, Add	0.15	
				For Smooth Float Finish, Add	1.60	
				For Up To 100, Add	3.82	
				For >100 To 500, Add	1.91	
				For >5,000, Deduct	-1.53	

**09 Finishes**

**09 20 Plaster and Gypsum Board**

**09 24 Cement Plastering**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 24 23 00-0003	SF		Scratch/Brown, Two Coat Troweled Stucco..... Note: Excludes lath and felt. Interior or exterior, one side.	3.59	1.35
			For Walls >10' High, Add	0.28	
			For Horizontal Installation Up To 10' High, Add	0.42	
			For Horizontal Installation >10' High, Add	0.84	
			For Columns Or Beams Up To 10' High, Add	0.86	
			For Columns Or Beams >10' High, Add	1.28	
			For Up To 100, Add	1.40	
			For >100 To 500, Add	0.70	
			For >5,000, Deduct	-0.56	
09 24 23 00-0004	SF		Scratch/Finish, Two Coat Troweled Stucco..... Note: Excludes lath and felt. Interior or exterior, one side.	5.62	1.35
			For Walls >10' High, Add	0.50	
			For Horizontal Installation Up To 10' High, Add	0.74	
			For Horizontal Installation >10' High, Add	1.49	
			For Columns Or Beams Up To 10' High, Add	1.53	
			For Columns Or Beams >10' High, Add	2.28	
			For Color Added To Finish Coat, Add	0.15	
			For Smooth Float Finish, Add	1.36	
			For Up To 100, Add	2.48	
			For >100 To 500, Add	1.24	
			For >5,000, Deduct	-0.99	
09 24 23 00-0005	SF		Finish Coat Troweled Stucco..... Note: Excludes lath and felt. Interior or exterior, one side.	3.71	0.90
			For Walls >10' High, Add	0.36	
			For Horizontal Installation Up To 10' High, Add	0.54	
			For Horizontal Installation >10' High, Add	1.08	
			For Columns Or Beams Up To 10' High, Add	1.12	
			For Columns Or Beams >10' High, Add	1.66	
			For Color Added To Finish Coat, Add	0.15	
			For Smooth Float Finish, Add	1.36	
			For Up To 100, Add	1.80	
			For >100 To 500, Add	0.90	
			For >5,000, Deduct	-0.72	

**09 24 33 Cement Parging (09 24)**

09 24 33 00-0001			Cement Parging (09 24 33)		
09 24 33 00-0002	SF		1/8" Thick Sand And Cement Parging.....	3.42	
09 24 33 00-0003	SF		1/4" Thick Sand And Cement Parging.....	4.35	
09 24 33 00-0004	SF		1/2" Thick Sand And Cement Parging.....	5.42	

**09 28 Backing Boards and Underlayments (09 20)**

**09 28 13 Cementitious Backing Boards (09 28)**

09 28 13 00-0001			Cementitious Backer Units (09 28 13) Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		
09 28 13 00-0002	SF		1/4" Cementitious Backer Units For Installation On Floors.....	3.87	0.66
			For Up To 50, Add	2.93	
			For >50 To 250, Add	0.52	
			For >1,000, Deduct	-0.26	
			For Installation On Wall, Add	0.52	
			For Installation On Ceiling, Add	1.31	
09 28 13 00-0003	SF		1/2" Cementitious Backer Units For Installation On Floors.....	4.43	0.79
			For Up To 50, Add	3.46	
			For >50 To 250, Add	0.63	
			For >1,000, Deduct	-0.31	
			For Installation On Wall, Add	0.63	
			For Installation On Ceiling, Add	1.57	
09 28 13 00-0004	SF		5/8" Cementitious Backer Units For Installation On Floors.....	5.49	0.92
			For Up To 50, Add	4.13	
			For >50 To 250, Add	0.73	
			For >1,000, Deduct	-0.37	
			For Installation On Wall, Add	0.73	
			For Installation On Ceiling, Add	1.84	

**09 28 16 Glass-Mat Faced Gypsum Backing Boards (09 28)**

09 28 16 00-0001			Glass Mat Faced Backer Units, DensShield (09 28 16) Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		
09 28 16 00-0002	SF		1/2" DensShield Tile Backer For Installation On Floors.....	2.87	0.74
			For Up To 50, Add	2.13	
			For >50 To 250, Add	0.38	
			For >1,000, Deduct	-0.19	
			For Installation On Wall, Add	0.38	
			For Installation On Ceiling, Add	0.94	
09 28 16 00-0003	SF		5/8" DensShield Tile Backer For Installation On Floors.....	3.44	0.84
			For Up To 50, Add	2.44	
			For >50 To 250, Add	0.42	
			For >1,000, Deduct	-0.21	
			For Installation On Wall, Add	0.42	
			For Installation On Ceiling, Add	1.05	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 29 Gypsum Board (09 20)

**09 29 10 Gypsum Board** (09 29)

09 29 10 00-0001

**Standard Gypsum Board Application** (09 29 10)

Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc.. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0036 for finishing gypsum board, 09 29 10 00-0049 for casing and corner bead.

09 29 10 00-0002

**Standard Gypsum Board Application** (09 29 10 00-0001)

09 29 10 00-0003	SF 1/4" Gypsum Board.....	1.18	
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.20	
	For Adhesive Applied Sheets, Add	0.10	
	Note: Includes bracing until adhesive is bonded		
	For Horizontal Installation Up To 10' High, Add	0.29	
	For Horizontal Installation >10' High, Add	0.42	
	For Walls >10' High, Add	0.07	
	For Up To 128, Add	0.40	
	For >128 To 320, Add	0.24	
	For >1,536, Deduct	-0.09	
09 29 10 00-0004	SF 3/8" Gypsum Board.....	1.29	0.47
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.22	
	For Adhesive Applied Sheets, Add	0.11	
	Note: Includes bracing until adhesive is bonded		
	For Foil Back Board, Add	0.10	
	For Horizontal Installation Up To 10' High, Add	0.32	
	For Horizontal Installation >10' High, Add	0.48	
	For Walls >10' High, Add	0.08	
	For Up To 128, Add	0.45	
	For >128 To 320, Add	0.27	
	For >1,536, Deduct	-0.10	
09 29 10 00-0005	SF 1/2" Gypsum Board.....	1.43	0.54
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.25	
	For Adhesive Applied Sheets, Add	0.11	
	Note: Includes bracing until adhesive is bonded		
	For Foil Back Board, Add	0.10	
	For Horizontal Installation Up To 10' High, Add	0.37	
	For Horizontal Installation >10' High, Add	0.55	
	For Walls >10' High, Add	0.09	
	For Up To 128, Add	0.50	
	For >128 To 320, Add	0.31	
	For >1,536, Deduct	-0.11	
09 29 10 00-0006	SF 5/8" Gypsum Board.....	1.67	0.62
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.29	
	For Adhesive Applied Sheets, Add	0.12	
	Note: Includes bracing until adhesive is bonded		
	For Foil Back Board, Add	0.10	
	For Horizontal Installation Up To 10' High, Add	0.43	
	For Horizontal Installation >10' High, Add	0.63	
	For Walls >10' High, Add	0.10	
	For Up To 128, Add	0.58	
	For >128 To 320, Add	0.35	
	For >1,536, Deduct	-0.13	

09 29 10 00-0007 **Fire Rated Gypsum Board Application** (09 29 10 00-0001)

09 29 10 00-0008 **Type X, Fire Rated Gypsum Board** (09 29 10 00-0007)

09 29 10 00-0009	SF 5/8" Type X Fire Rated Gypsum Board.....	1.78	
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.32	
	For Adhesive Applied Sheets, Add	0.13	
	Note: Includes bracing until adhesive is bonded		
	For Foil Back Board, Add	0.10	
	For Horizontal Installation Up To 10' High, Add	0.47	
	For Horizontal Installation >10' High, Add	0.69	
	For Walls >10' High, Add	0.11	
	For Up To 128, Add	0.63	
	For >128 To 320, Add	0.38	
	For >1,536, Deduct	-0.13	

09 29 10 00-0010 **Type C, Fire Rated Gypsum Board** (09 29 10 00-0007)

09 29 10 00-0011	SF 1/2" Type C Fire Rated Gypsum Board.....	1.63	
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.28	
	For Adhesive Applied Sheets, Add	0.12	
	Note: Includes bracing until adhesive is bonded		
	For Foil Back Board, Add	0.10	
	For Horizontal Installation Up To 10' High, Add	0.41	
	For Horizontal Installation >10' High, Add	0.60	
	For Walls >10' High, Add	0.10	
	For Up To 128, Add	0.57	
	For >128 To 320, Add	0.34	
	For >1,536, Deduct	-0.12	

**09 Finishes**

**09 20 Plaster and Gypsum Board**

**09 29 Gypsum Board**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 29 10 00-0012	SF 5/8" Type C Fire Rated Gypsum Board..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	1.83 0.32 0.13  0.10 0.47 0.69 0.11 0.64 0.39 -0.14	0.62
<b>09 29 10 00-0013</b>	<b>Fire Rated Gypsum Board (Sheetrock® Ultracode®) (09 29 10 00-0007)</b>		
09 29 10 00-0014	SF 3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	2.40 0.33 0.13  0.47 0.69 0.11 0.75 0.45 -0.22	0.62
<b>09 29 10 00-0015</b>	<b>Moisture Resistant Gypsum Board Application (09 29 10 00-0001)</b> <i>Note: Water-resistant gypsum core.</i>		
09 29 10 00-0016	SF 1/2" Moisture Resistant Gypsum Board ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	1.54 0.26 0.11  0.37 0.55 0.09 0.53 0.32 -0.12	0.54
09 29 10 00-0017	SF 5/8" Moisture Resistant Gypsum Board ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	1.95 0.29 0.12  0.43 0.63 0.10 0.64 0.38 -0.17	0.54
<b>09 29 10 00-0018</b>	<b>Vinyl Faced Gypsum Board Application (09 29 10 00-0001)</b> <i>Note: Includes clips and adhesive.</i>		
09 29 10 00-0019	SF 3/8" Prefinished, Vinyl Faced Gypsum Board ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	3.00 0.24 0.11  0.32 0.48 0.08 0.79 0.44 -0.36	0.42
09 29 10 00-0020	SF 1/2" Prefinished, Vinyl Faced Gypsum Board ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	3.14 0.27 0.11  0.37 0.55 0.09 0.85 0.48 -0.36	0.54
09 29 10 00-0021	SF 5/8" Prefinished, Vinyl Faced Gypsum Board ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	3.30 0.31 0.12  0.43 0.63 0.10 0.91 0.52 -0.37	0.62

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 29 10 00-0022	SF		1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	3.57 0.30 0.12  0.41 0.60 0.10 0.95 0.54 -0.42	0.54
	09 29 10 00-0023	SF		5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	5.17 0.35 0.13  0.47 0.69 0.11 1.31 0.72 -0.64	0.62
	<b>09 29 10 00-0024</b>			<b>Moisture And Mold Resistant Gypsum Board Application</b> <small>(09 29 10 00-0001)</small>		
	09 29 10 00-0025	SF		1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Non-reinforced Board, Deduct</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	1.75 0.26 0.11  -0.08 0.37 0.55 0.09 0.57 0.34 -0.15	0.52
	09 29 10 00-0026	SF		5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Non-reinforced Board, Deduct</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	2.06 0.30 0.12  -0.08 0.43 0.63 0.10 0.66 0.39 -0.18	0.59
	09 29 10 00-0027	SF		1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	2.06 0.28 0.12  0.41 0.60 0.10 0.65 0.39 -0.19	0.52
	09 29 10 00-0028	SF		5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	2.30 0.32 0.13  0.47 0.69 0.11 0.73 0.44 -0.21	0.59
	<b>09 29 10 00-0029</b>			<b>Impact Resistant Gypsum Board</b> <small>(09 29 10 00-0001)</small> <i>Note: Includes tapered edge, mold and moisture resistant, fire-resistant, Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant</i>		
	09 29 10 00-0030	SF		5/8" Fire Rated, Impact Resistant Gypsum Board (National Gypsum Hi-Impact®)..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	3.09 0.30 0.12  0.42 0.62 0.10 0.87 0.50 -0.34	0.59
	<b>09 29 10 00-0031</b>			<b>Abuse Resistant Gypsum Board</b> <small>(09 29 10 00-0001)</small> <i>Note: Includes tapered edge, mold and moisture resistant, fire-resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant</i>		

**09 Finishes****09 20 Plaster and Gypsum Board****09 29 Gypsum Board**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 29 10 00-0032	SF 5/8" Fire Rated, Abuse Resistant Gypsum Board (National Gypsum Hi-Abuse®) .....	2.11	0.59
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.29	
	<i>For Adhesive Applied Sheets, Add</i>	0.12	
	<i>Note: Includes bracing until adhesive is bonded</i>		
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.42	
	<i>For Horizontal Installation &gt;10' High, Add</i>	0.62	
	<i>For Walls &gt;10' High, Add</i>	0.10	
	<i>For Up To 128, Add</i>	0.67	
	<i>For &gt;128 To 320, Add</i>	0.40	
	<i>For &gt;1,536, Deduct</i>	-0.19	
<b>09 29 10 00-0033</b>	<b>Noise Reducing Gypsum Board (09 29 10 00-0001)</b>		
09 29 10 00-0034	SF 1/2" Noise Reducing Gypsum Board (National Gypsum SoundBreak) .....	3.89	0.62
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	
	<i>For Adhesive Applied Sheets, Add</i>	0.12	
	<i>Note: Includes bracing until adhesive is bonded</i>		
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.43	
	<i>For Horizontal Installation &gt;10' High, Add</i>	0.63	
	<i>For Walls &gt;10' High, Add</i>	0.10	
	<i>For Up To 128, Add</i>	1.03	
	<i>For &gt;128 To 320, Add</i>	0.58	
	<i>For &gt;1,536, Deduct</i>	-0.46	
09 29 10 00-0035	SF 5/8" Noise Reducing Gypsum Board (National Gypsum SoundBreak) .....	4.66	0.62
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	
	<i>For Adhesive Applied Sheets, Add</i>	0.12	
	<i>Note: Includes bracing until adhesive is bonded</i>		
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.43	
	<i>For Horizontal Installation &gt;10' High, Add</i>	0.63	
	<i>For Walls &gt;10' High, Add</i>	0.10	
	<i>For Up To 128, Add</i>	1.18	
	<i>For &gt;128 To 320, Add</i>	0.66	
	<i>For &gt;1,536, Deduct</i>	-0.57	
<b>09 29 10 00-0036</b>	<b>Finishing Gypsum Board Applications (09 29 10)</b>		
	<i>Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.</i>		
<b>09 29 10 00-0037</b>	<b>Finish Gypsum Board Walls, ASTM C840 Level 4 (09 29 10 00-0036)</b>		
09 29 10 00-0038	SF Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board .....	0.71	
	<i>For Up To 128, Add</i>	0.27	
	<i>For &gt;128 To 320, Add</i>	0.17	
	<i>For &gt;5,400, Deduct</i>	-0.07	
	<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.34	
	<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.17	
	<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.07	
	<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.53	
	<i>For Spray Applied Textured Or Orange Peel Finish, Add</i>	0.53	
09 29 10 00-0039	SF >10' High, Walls, Tape, Spackle And Finish Gypsum Board .....	0.95	
	<i>Note: Use this task for the entire wall area when the wall is &gt;10' high.</i>		
	<i>For Up To 128, Add</i>	0.37	
	<i>For &gt;128 To 320, Add</i>	0.23	
	<i>For &gt;5,400, Deduct</i>	-0.10	
	<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.46	
	<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.23	
	<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.09	
	<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.71	
	<i>For Spray Applied Textured Or Orange Peel Finish, Add</i>	0.71	
<b>09 29 10 00-0040</b>	<b>Finish Gypsum Board Ceilings, ASTM C840 Level 4 (09 29 10 00-0036)</b>		
09 29 10 00-0041	SF Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board .....	0.93	
	<i>For Up To 128, Add</i>	0.36	
	<i>For &gt;128 To 320, Add</i>	0.23	
	<i>For &gt;5,400, Deduct</i>	-0.09	
	<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.45	
	<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.23	
	<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.09	
	<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.69	
	<i>For Spray Applied Textured Or Orange Peel Finish, Add</i>	0.69	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 29 10 00-0042	SF		>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....1.24 Note: Use this task for the entire wall area when the wall is >10' high. For Up To 128, Add 0.49 For >128 To 320, Add 0.30 For >5,400, Deduct -0.12 For ASTM C840 Level 1 Finish, Deduct -0.61 For ASTM C840 Level 2 Finish, Deduct -0.30 For ASTM C840 Level 3 Finish, Deduct -0.12 For ASTM C840 Level 5 High Quality Finish, Add 0.92 For Spray Applied Textured Or Orange Peel Finish, Add 0.92		
	09 29 10 00-0043			<b>Finish Gypsum Board Vertical Corners, ASTM C840 Level 4</b> (09 29 10 00-0036) Note: Inside or outside gypsum board corners.		
	09 29 10 00-0044	LF		Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....1.41 For ASTM C840 Level 1 Finish, Deduct -0.66 For ASTM C840 Level 2 Finish, Deduct -0.33 For ASTM C840 Level 3 Finish, Deduct -0.13 For ASTM C840 Level 5 High Quality Finish, Add 1.04		
	09 29 10 00-0045	LF		>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....1.69 Note: Use this task for the entire wall area when the wall is >10' high. For ASTM C840 Level 1 Finish, Deduct -0.80 For ASTM C840 Level 2 Finish, Deduct -0.40 For ASTM C840 Level 3 Finish, Deduct -0.16 For ASTM C840 Level 5 High Quality Finish, Add 1.25		
	09 29 10 00-0046			<b>Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4</b> (09 29 10 00-0036) Note: Inside or outside gypsum board corners.		
	09 29 10 00-0047	LF		Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board.....1.64 For ASTM C840 Level 1 Finish, Deduct -0.78 For ASTM C840 Level 2 Finish, Deduct -0.39 For ASTM C840 Level 3 Finish, Deduct -0.16 For ASTM C840 Level 5 High Quality Finish, Add 1.21		
	09 29 10 00-0048	LF		>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board .....1.97 Note: Use this task for the entire wall area when the wall is >10' high. For ASTM C840 Level 1 Finish, Deduct -0.94 For ASTM C840 Level 2 Finish, Deduct -0.47 For ASTM C840 Level 3 Finish, Deduct -0.19 For ASTM C840 Level 5 High Quality Finish, Add 1.46		
	09 29 10 00-0049			<b>Casing And Corner Beads</b> (09 29 10)		
	09 29 10 00-0050	LF		Casing, Galvanized Steel J-Bead For Gypsum Board .....4.16 For Up To 100, Add 0.34 For >500, Deduct -0.21		1.05
	09 29 10 00-0051	LF		Corner Bead, Galvanized Steel For Gypsum Board .....3.62 For Up To 100, Add 0.24 For >500, Deduct -0.18		1.05
	09 29 10 00-0052			<b>Preformed Architectural Profiles</b> (09 29 10)		
	09 29 10 00-0053			<b>Trim Reveals For Gypsum Board</b> (09 29 10 00-0052)		
	09 29 10 00-0054	LF		1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....4.41		1.26
	09 29 10 00-0055	LF		1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....4.44		1.26
	09 29 10 00-0056	LF		3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....4.55		1.26
	09 29 10 00-0057	LF		1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....4.61		1.26
	09 29 10 00-0058	LF		5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....4.76		1.26
	09 29 10 00-0059	LF		3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....4.90		1.26
	09 29 10 00-0060	LF		1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....5.05		1.26
	09 29 10 00-0061	LF		1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....5.51		1.26
	09 29 10 00-0062	LF		2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....5.98		1.26
	09 29 10 00-0063	LF		1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....4.56		1.37
	09 29 10 00-0064	LF		1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....4.56		1.37
	09 29 10 00-0065	LF		3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....4.88		1.37
	09 29 10 00-0066	LF		1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....4.94		1.37
	09 29 10 00-0067	LF		5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....5.14		1.37
	09 29 10 00-0068	LF		3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....5.23		1.37
	09 29 10 00-0069	LF		1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....5.34		1.37
	09 29 10 00-0070	LF		1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....5.87		1.37
	09 29 10 00-0071	LF		2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....6.39		1.37
	09 29 10 00-0072	LF		3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....8.60		1.57
	09 29 10 00-0073	LF		4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....9.47		1.57
	09 29 10 00-0074			<b>Edge Trim For Gypsum Board</b> (09 29 10 00-0052)		
	09 29 10 00-0075	LF		1/2" Aluminum Extrusions, Edge Trim For Gypsum Board .....4.13		1.31
	09 29 10 00-0076	LF		5/8" Aluminum Extrusions, Edge Trim For Gypsum Board .....4.36		1.31
	09 29 10 00-0077	LF		1" Aluminum Extrusions, Edge Trim For Gypsum Board .....5.06		1.45
	09 29 10 00-0078	LF		1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board .....5.32		1.57
	09 29 10 00-0079	LF		1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board .....7.04		1.31
	09 29 10 00-0080	LF		5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board .....7.27		1.31
	09 29 10 00-0081	LF		1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board .....7.97		1.45
	09 29 10 00-0082	LF		1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board .....8.22		1.57

## 09 Finishes

## 09 20 Plaster and Gypsum Board

## 09 29 Gypsum Board

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 29 10 00-0083		<b>Bevel Trim For Gypsum Board</b> (09 29 10 00-0052)			
09 29 10 00-0084	LF	5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	4.36		1.31
09 29 10 00-0085	LF	5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	4.97		1.45
09 29 10 00-0086		<b>Trim/Wainscot Caps For Gypsum Board</b> (09 29 10 00-0052)			
09 29 10 00-0087	LF	1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board.....	5.81		1.57
09 29 10 00-0088		<b>Single Fin Wall/Trim Reveals For Gypsum Board</b> (09 29 10 00-0052)			
09 29 10 00-0089	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.99		0.84
09 29 10 00-0090	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.11		0.95
09 29 10 00-0091	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.75		1.05
09 29 10 00-0092	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.06		1.16
09 29 10 00-0093	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.34		1.26
09 29 10 00-0094	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.43		1.26
09 29 10 00-0095	LF	1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.69		1.26
09 29 10 00-0096	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.18		1.26
09 29 10 00-0097	LF	2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.35		1.26
09 29 10 00-0098	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.14		1.37
09 29 10 00-0099	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.20		1.37
09 29 10 00-0100	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.52		1.37
09 29 10 00-0101	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.66		1.37
09 29 10 00-0102	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.78		1.37
09 29 10 00-0103	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.93		1.37
09 29 10 00-0104	LF	1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.13		1.37
09 29 10 00-0105	LF	1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.65		1.37
09 29 10 00-0106	LF	2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.09		1.37
09 29 10 00-0107	LF	3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.48		1.37
09 29 10 00-0108	LF	4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	11.16		1.37
09 29 10 00-0109	LF	3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	7.96		1.37
09 29 10 00-0110	LF	3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	8.19		1.37
09 29 10 00-0111	LF	4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	8.98		1.37
09 29 10 00-0112	LF	4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	9.06		1.37
09 29 10 00-0113	LF	9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board.....	10.20		1.37
09 29 10 00-0114	LF	5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board.....	8.51		1.37
09 29 10 00-0115		<b>'V' Groove Wall Reveals For Gypsum Board</b> (09 29 10 00-0052)			
09 29 10 00-0116	LF	1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	6.51		1.88
09 29 10 00-0117	LF	3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	7.48		2.10
09 29 10 00-0118	LF	1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	8.53		2.52
09 29 10 00-0119	LF	9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	8.77		2.73
09 29 10 00-0120		<b>Double Fin Wall Reveals For Gypsum Board</b> (09 29 10 00-0052)			
09 29 10 00-0121	LF	3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.80		1.26
09 29 10 00-0122	LF	1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.86		1.26
09 29 10 00-0123	LF	1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.92		1.26
09 29 10 00-0124	LF	3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.92		1.26
09 29 10 00-0125	LF	1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.18		1.26
09 29 10 00-0126	LF	5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.30		1.24
09 29 10 00-0127	LF	3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.41		1.26
09 29 10 00-0128	LF	1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.67		1.26
09 29 10 00-0129	LF	1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	7.11		1.26
09 29 10 00-0130	LF	2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	7.58		1.26
09 29 10 00-0131	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.16		1.37
09 29 10 00-0132	LF	1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.22		1.37
09 29 10 00-0133	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.33		1.37
09 29 10 00-0134	LF	1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.59		1.37
09 29 10 00-0135	LF	5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.71		1.37
09 29 10 00-0136	LF	3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.80		1.37
09 29 10 00-0137	LF	1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	7.09		1.37
09 29 10 00-0138	LF	1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	7.55		1.37
09 29 10 00-0139	LF	2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.02		1.37
09 29 10 00-0140	LF	3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.27		1.37
09 29 10 00-0141	LF	4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	11.88		1.37
09 29 10 00-0142	LF	1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	10.82		1.49
09 29 10 00-0143	LF	3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	12.38		1.82
09 29 10 00-0144	LF	1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	12.76		1.82
09 29 10 00-0145	LF	1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	9.78		1.24
09 29 10 00-0146	LF	1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	9.45		1.82
09 29 10 00-0147	LF	1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board.....	6.76		1.24
09 29 10 00-0148		<b>Special Conditions Reveals For Gypsum Board</b> (09 29 10 00-0052)			
09 29 10 00-0149		<b>Radius Conditions</b> (09 29 10 00-0148)			
09 29 10 00-0150	EA	8' Long Inside Radius For Gypsum Board.....	72.63		
		Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.			
09 29 10 00-0151	EA	8' Long Outside Radius For Gypsum Board.....	72.63		
		Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.			
09 29 10 00-0152	EA	8' Long Circular / Arched Radius For Gypsum Board.....	72.63		
		Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.			



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>09 29 10 00-0153 Knee Brace Kit (09 29 10 00-0148)</b>						
	09 29 10 00-0154	EA		46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board.....	165.65	13.10
<b>09 29 10 00-0155 Wall Bumper Rail (09 29 10 00-0148)</b>						
	09 29 10 00-0156	LF		2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board.....	25.01	5.24
<b>09 29 10 00-0157 Corners For Gypsum Board (09 29 10 00-0052)</b>						
	09 29 10 00-0158	LF		1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	5.43	1.26
	09 29 10 00-0159	LF		5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	5.81	1.37
	09 29 10 00-0160	LF		3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	6.39	1.42
	09 29 10 00-0161	LF		1"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	7.08	1.49
	09 29 10 00-0162	LF		1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	8.58	1.82
	09 29 10 00-0163	LF		2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	9.91	2.04
	09 29 10 00-0164	LF		2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	11.94	2.34
	09 29 10 00-0165	LF		3" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	14.44	2.73
	09 29 10 00-0166	LF		4" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	19.77	3.64
	09 29 10 00-0167	LF		90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board.....	5.39	1.21
	09 29 10 00-0168	LF		90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board.....	9.55	1.64
	09 29 10 00-0169	LF		90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board.....	7.13	1.64
	09 29 10 00-0170	LF		90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board.....	12.10	1.64
	09 29 10 00-0171	LF		45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board.....	17.06	2.04
	09 29 10 00-0172	LF		60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board.....	16.42	2.04
	09 29 10 00-0173	LF		3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board.....	5.44	1.42
	09 29 10 00-0174	LF		5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board.....	5.43	1.37
	09 29 10 00-0175	LF		1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	5.40	1.26
	09 29 10 00-0176	LF		5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	5.69	1.37
	09 29 10 00-0177	LF		1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	7.45	1.49
	09 29 10 00-0178	LF		1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	6.53	1.26
	09 29 10 00-0179	LF		5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	6.91	1.37
	09 29 10 00-0180	LF		1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	9.84	1.49
	09 29 10 00-0181	LF		1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board.....	10.60	1.26
	09 29 10 00-0182	LF		3" Aluminum Extrusions, Bullnose For Gypsum Board.....	18.53	2.73
	09 29 10 00-0183	LF		3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board.....	19.70	2.73
	09 29 10 00-0184	LF		5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board.....	36.18	4.55
	09 29 10 00-0185	LF		7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board.....	59.38	6.44
	09 29 10 00-0186	LF		3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	6.41	1.40
	09 29 10 00-0187	LF		1" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	7.25	1.47
	09 29 10 00-0188	LF		1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	8.72	1.79
	09 29 10 00-0189	LF		2"R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	10.61	2.01
	09 29 10 00-0190	LF		2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	14.70	2.31
	09 29 10 00-0191	LF		3"R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	16.01	2.69
	09 29 10 00-0192	LF		4" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	18.49	3.58
	09 29 10 00-0193	LF		3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	12.00	2.69
	09 29 10 00-0194	LF		3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	12.14	2.69
	09 29 10 00-0195	LF		4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	13.07	2.69
	09 29 10 00-0196	LF		5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	13.36	2.69

**09 29 82 Gypsum Board Fire Protection (09 29)**

<b>09 29 82 00-0001 Shaft Wall (09 29 82)</b>						
	See CSI section 09 29 10 00-0036 for finishing drywall.					
	09 29 82 00-0002	SF		3/4" Fire Rated Shaft Wall Assembly.....	6.80	2.62
				Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.		
				<i>For Horizontal Installation Up To 10' High, Add</i>	1.78	
				<i>For Horizontal Installation &gt;10' High, Add</i>	2.62	
				<i>For Walls &gt;10' High, Add</i>	0.42	
				<i>For Up To 128, Add</i>	2.41	
				<i>For &gt;128 To 320, Add</i>	1.47	
				<i>For &gt;1,536, Deduct</i>	-0.50	
	09 29 82 00-0003	SF		7/8" Fire Rated Shaft Wall Assembly.....	7.88	3.14
				Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.		
				<i>For Horizontal Installation Up To 10' High, Add</i>	2.14	
				<i>For Horizontal Installation &gt;10' High, Add</i>	3.15	
				<i>For Walls &gt;10' High, Add</i>	0.50	
				<i>For Up To 128, Add</i>	2.84	
				<i>For &gt;128 To 320, Add</i>	1.73	
				<i>For &gt;1,536, Deduct</i>	-0.55	
	09 29 82 00-0004	SF		2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	7.12	2.02
				Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
				<i>For Horizontal Installation Up To 10' High, Add</i>	1.37	
				<i>For Horizontal Installation &gt;10' High, Add</i>	2.02	
				<i>For Walls &gt;10' High, Add</i>	0.32	
				<i>For Up To 128, Add</i>	2.23	
				<i>For &gt;128 To 320, Add</i>	1.32	
				<i>For Glass Mat Surfaces, Add</i>	0.24	

**09 Finishes**

**09 20 Plaster and Gypsum Board**

**09 29 Gypsum Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 82 00-0005	SF		4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly .....7.74		2.12
			Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
			For Horizontal Installation Up To 10' High, Add	1.44	
			For Horizontal Installation >10' High, Add	2.12	
			For Walls >10' High, Add	0.34	
			For Up To 128, Add	2.40	
			For >128 To 320, Add	1.41	
			For Glass Mat Surfaces, Add	0.24	
09 29 82 00-0006	SF		2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly .....8.84		2.12
			Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
			For Horizontal Installation Up To 10' High, Add	1.44	
			For Horizontal Installation >10' High, Add	2.12	
			For Walls >10' High, Add	0.34	
			For Up To 128, Add	2.62	
			For >128 To 320, Add	1.52	
			For Glass Mat Surfaces, Add	0.24	
09 29 82 00-0007	SF		4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly .....9.48		2.23
			Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
			For Horizontal Installation Up To 10' High, Add	1.51	
			For Horizontal Installation >10' High, Add	2.22	
			For Walls >10' High, Add	0.36	
			For Up To 128, Add	2.78	
			For >128 To 320, Add	1.61	
			For Glass Mat Surfaces, Add	0.24	

**09 30 Tiling** (09)

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods. Includes initial wax and seal.

**09 30 13 Ceramic Tiling** (09 30)

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

**09 30 13 00-0001 Ceramic Tiling** (09 30 13)

09 30 13 00-0002	SF		2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Floor Tile .....13.29		2.85
			Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
			For Up To 50, Add	7.59	
			For >50 To 250, Add	1.14	
			For >1,000, Deduct	-0.57	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.08	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.20	
09 30 13 00-0003	SF		Less Than 8" x 8", Mounted, Floor Tile .....12.65		2.85
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
			For Up To 50, Add	7.43	
			For >50 To 250, Add	1.14	
			For >1,000, Deduct	-0.57	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.08	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.20	
09 30 13 00-0004	SF		8" x 8" And Larger Unmounted Floor Tile .....14.08		1.78
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
			For Up To 50, Add	8.86	
			For >50 To 250, Add	1.42	
			For >1,000, Deduct	-0.71	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.42	
09 30 13 00-0005	SF		2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Wall Tile .....14.51		3.45
			Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
			For Up To 50, Add	8.81	
			For >50 To 250, Add	1.38	
			For >1,000, Deduct	-0.69	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.27	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.39	
09 30 13 00-0006	SF		Less than 8" x 8" Mounted Wall Tile .....13.87		3.45
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
			For Up To 50, Add	8.65	
			For >50 To 250, Add	1.38	
			For >1,000, Deduct	-0.69	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.27	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.39	
09 30 13 00-0007	SF		8" x 8" And Larger Unmounted Wall Tile .....15.69		2.19
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
			For Up To 50, Add	10.47	
			For >50 To 250, Add	1.75	
			For >1,000, Deduct	-0.87	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.54	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0008	SF		Less than 8" x 8" Mounted Ceiling Tile..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> <i>For Up To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;1,000, Deduct</i>	18.93 2.03 2.15 13.71 2.39 -1.20	5.98
09 30 13 00-0009	SF		8" x 8" And Larger Unmounted Ceiling Tile..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> <i>For Up To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;1,000, Deduct</i>	21.32 2.38 2.50 16.10 2.87 -1.44	3.59
09 30 13 00-0010	LF		4-1/4" To 4-1/2" High, Cove Base Or Trim..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	11.69 1.61 1.67	2.49
09 30 13 00-0011	LF		6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	16.67 1.61 1.67	2.49
09 30 13 00-0012	LF		6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	18.49 1.61 1.67	2.49
09 30 13 00-0013	EA		6" High, Unpolished Ceramic Cove Base Outer Corner.....	13.39	0.54
<b>09 30 13 00-0014 Residential Ceramic Tiling (09 30 13)</b>					
09 30 13 00-0015	SF		Mounted Floor Tile, Residential Grade..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	10.08 6.79 1.14 -0.57 1.08	2.85
09 30 13 00-0016	SF		Mounted Wall Tile, Residential Grade..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	11.30 8.01 1.38 -0.69 1.27	3.45
09 30 13 00-0017	SF		2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade..... Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets. <i>For Up To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	9.77 6.71 1.14 -0.57 1.08	2.85
<b>09 30 16 Quarry Tiling (09 30)</b>					
Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.					
09 30 16 00-0001	SF		Unglazed Quarry Floor Tile..... Note: With or without embedded abrasive grit. <i>For Up To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	10.98 8.72 1.59 -0.80 1.43 1.55	2.01
09 30 16 00-0002	SF		Glazed Quarry Floor Tile..... <i>For Up To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	20.27 11.05 1.59 -0.80 1.43 1.55	2.01
09 30 16 00-0003	SF		Unglazed Quarry Wall Tile..... Note: With or without embedded abrasive grit. <i>For Up To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	12.58 10.32 1.91 -0.96 1.67 1.79	2.37
09 30 16 00-0004	SF		Glazed Quarry Wall Tile..... <i>For Up To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	21.87 12.65 1.91 -0.96 1.67 1.79	2.37
09 30 16 00-0005	LF		6" High Unglazed Quarry Tile Cove Base Or Trim..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	15.22 1.69 1.75	2.63
09 30 16 00-0006	LF		6" High Glazed Quarry Tile Cove Base Or Trim..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	30.45 1.69 1.75	2.63
<b>09 30 33 Stone Tiling (09 30)</b>					
Note: Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.					

**09 Finishes**

**09 30 Tiling**

**09 30 33 Stone Tiling**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 30 33 00-0001	<b>Marble Floor Tile</b> <small>(09 30 33)</small>		
09 30 33 00-0002	SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cherry Blossom".....	11.86	1.78
	For Up To 50, Add	8.31	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0003	SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Laurent Brown".....	12.30	1.78
	For Up To 50, Add	8.42	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0004	SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Temple Gray".....	12.54	1.78
	For Up To 50, Add	8.48	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0005	SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Cafe".....	12.64	1.78
	For Up To 50, Add	8.50	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0006	SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "China Black".....	12.71	1.78
	For Up To 50, Add	8.52	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0007	SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Sea Grass Honed".....	12.81	1.78
	For Up To 50, Add	8.54	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0008	SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Gris Magma or Gris Nebula".....	13.05	1.78
	For Up To 50, Add	8.60	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0009	SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Dark Green".....	14.59	1.78
	For Up To 50, Add	8.99	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0010	SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cappuccino Light".....	14.76	1.78
	For Up To 50, Add	9.03	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0011	SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Cream".....	15.08	1.78
	For Up To 50, Add	9.11	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0012	SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Classic".....	15.43	1.78
	For Up To 50, Add	9.20	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0013	SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato Carrara".....	15.69	1.78
	For Up To 50, Add	9.26	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0014	SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Giallo Crystal Onyx".....	16.54	1.78
	For Up To 50, Add	9.48	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0015	SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cafe Forest or Rain Forest".....	18.13	1.78
	For Up To 50, Add	9.87	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0016	SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato".....	18.23	1.78
	For Up To 50, Add	9.90	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0017	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Carrara White".....	19.41	1.78
			<i>For Up To 50, Add</i>	10.19	
			<i>For &gt;50 To 250, Add</i>	1.42	
			<i>For &gt;1,000, Deduct</i>	-0.71	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.30	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0018	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Crema Marfil Select Or Sahara Gold".....	19.82	1.78
			<i>For Up To 50, Add</i>	10.30	
			<i>For &gt;50 To 250, Add</i>	1.42	
			<i>For &gt;1,000, Deduct</i>	-0.71	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.30	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0019	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Botticino Fiorito Or Michelangelo".....	19.99	1.78
			<i>For Up To 50, Add</i>	10.34	
			<i>For &gt;50 To 250, Add</i>	1.42	
			<i>For &gt;1,000, Deduct</i>	-0.71	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.30	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0020	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Crema Marfil Antique".....	20.26	1.78
			<i>For Up To 50, Add</i>	10.41	
			<i>For &gt;50 To 250, Add</i>	1.42	
			<i>For &gt;1,000, Deduct</i>	-0.71	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.30	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0021	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Emperador Dark Or Super Thassos Glass".....	22.46	1.78
			<i>For Up To 50, Add</i>	10.96	
			<i>For &gt;50 To 250, Add</i>	1.42	
			<i>For &gt;1,000, Deduct</i>	-0.71	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.30	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0022	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Rosa Verona".....	23.71	1.78
			<i>For Up To 50, Add</i>	11.27	
			<i>For &gt;50 To 250, Add</i>	1.42	
			<i>For &gt;1,000, Deduct</i>	-0.71	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.30	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0023	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Rojo Alicante".....	24.05	1.78
			<i>For Up To 50, Add</i>	11.35	
			<i>For &gt;50 To 250, Add</i>	1.42	
			<i>For &gt;1,000, Deduct</i>	-0.71	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.30	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0024	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Emperador Light".....	24.22	1.78
			<i>For Up To 50, Add</i>	11.40	
			<i>For &gt;50 To 250, Add</i>	1.42	
			<i>For &gt;1,000, Deduct</i>	-0.71	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.30	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0025	<b>Granite Floor Tile (09 30 33)</b>				
09 30 33 00-0026	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Crystal Gray".....	10.68	1.78
			<i>For Up To 50, Add</i>	8.01	
			<i>For &gt;50 To 250, Add</i>	1.42	
			<i>For &gt;1,000, Deduct</i>	-0.71	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.30	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0027	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Peach Flower".....	11.52	1.78
			<i>For Up To 50, Add</i>	8.22	
			<i>For &gt;50 To 250, Add</i>	1.42	
			<i>For &gt;1,000, Deduct</i>	-0.71	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.30	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0028	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Golden Yellow".....	12.20	1.78
			<i>For Up To 50, Add</i>	8.39	
			<i>For &gt;50 To 250, Add</i>	1.42	
			<i>For &gt;1,000, Deduct</i>	-0.71	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.30	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0029	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Absolute Black".....	14.91	1.78
			<i>For Up To 50, Add</i>	9.07	
			<i>For &gt;50 To 250, Add</i>	1.42	
			<i>For &gt;1,000, Deduct</i>	-0.71	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.30	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0030	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Tan Brown".....	15.43	1.78
			<i>For Up To 50, Add</i>	9.20	
			<i>For &gt;50 To 250, Add</i>	1.42	
			<i>For &gt;1,000, Deduct</i>	-0.71	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.30	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0031	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Black Galaxy".....	15.93	1.78
			<i>For Up To 50, Add</i>	9.32	
			<i>For &gt;50 To 250, Add</i>	1.42	
			<i>For &gt;1,000, Deduct</i>	-0.71	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.30	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	

**09 Finishes**

**09 30 Tiling**

**09 30 33 Stone Tiling**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 30 33 00-0032	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Kashmir White Or Gold" .....	16.43	1.78
	For Up To 50, Add	9.45	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0033	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Giallo Santa Cecilia" .....	17.04	1.78
	For Up To 50, Add	9.60	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0034	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Verde UbaTuba" .....	17.62	1.78
	For Up To 50, Add	9.75	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0035	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "New Venetian Gold" .....	18.23	1.78
	For Up To 50, Add	9.90	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0036	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tropic Brown" .....	18.80	1.78
	For Up To 50, Add	10.04	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0037	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Baltic Brown Or Indian Dakota" .....	19.48	1.78
	For Up To 50, Add	10.21	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0038	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Dynamic Blue" .....	20.16	1.78
	For Up To 50, Add	10.38	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0039	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Blue Pearl Or Emerald Pearl" .....	22.53	1.78
	For Up To 50, Add	10.97	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
<b>09 30 33 00-0040</b>	<b>Slate Floor Tile (09 30 33)</b>		
09 30 33 00-0041	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Raja Classic" .....	9.66	1.78
	For Up To 50, Add	7.76	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0042	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Rustic Gold" .....	10.10	1.78
	For Up To 50, Add	7.87	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0043	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "California Gold Or Black Rust" .....	10.34	1.78
	For Up To 50, Add	7.93	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0044	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Indian Autumn" .....	10.34	1.78
	For Up To 50, Add	7.93	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0045	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "China Multi, Earth, Or Autumn Blend" .....	10.51	1.78
	For Up To 50, Add	7.97	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0046	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Lilac Kashmir Or Madras Yellow" .....	11.02	1.78
	For Up To 50, Add	8.10	
	For >50 To 250, Add	1.42	
	For >1,000, Deduct	-0.71	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0047	SF		12" x 12" And Larger Unmounted Slate Floor Tile, "Montauk Blue, Copper Quartzite, Montauk Black, San Rio Rustic, Or Gold Green Quartzite".....	11.52	1.78
			For Up To 50, Add	8.22	
			For >50 To 250, Add	1.42	
			For >1,000, Deduct	-0.71	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0048	SF		12" x 12" And Larger Unmounted Slate Floor Tile, "Ocean Green Quartzite Or Golden White Quartzite".....	11.69	1.78
			For Up To 50, Add	8.26	
			For >50 To 250, Add	1.42	
			For >1,000, Deduct	-0.71	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
<b>09 30 33 00-0049 Travertine Floor Tile (09 30 33)</b>					
09 30 33 00-0050	SF		12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Noce Rustic".....	11.52	1.78
			For Up To 50, Add	8.22	
			For >50 To 250, Add	1.42	
			For >1,000, Deduct	-0.71	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0051	SF		12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Denizli Beige Or Oasis Walnut".....	12.03	1.78
			For Up To 50, Add	8.35	
			For >50 To 250, Add	1.42	
			For >1,000, Deduct	-0.71	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0052	SF		12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Gold".....	12.37	1.78
			For Up To 50, Add	8.43	
			For >50 To 250, Add	1.42	
			For >1,000, Deduct	-0.71	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0053	SF		12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Navona Light - Ivory".....	12.88	1.78
			For Up To 50, Add	8.56	
			For >50 To 250, Add	1.42	
			For >1,000, Deduct	-0.71	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0054	SF		12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Noce".....	13.05	1.78
			For Up To 50, Add	8.60	
			For >50 To 250, Add	1.42	
			For >1,000, Deduct	-0.71	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0055	SF		12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Antique".....	13.22	1.78
			For Up To 50, Add	8.65	
			For >50 To 250, Add	1.42	
			For >1,000, Deduct	-0.71	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0056	SF		12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Cream".....	14.84	1.78
			For Up To 50, Add	9.05	
			For >50 To 250, Add	1.42	
			For >1,000, Deduct	-0.71	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
<b>09 30 33 00-0057 Limestone Floor Tile (09 30 33)</b>					
09 30 33 00-0058	SF		12" x 12" And Larger Unmounted Limestone Floor Tile, "Isis Gold".....	14.74	1.78
			For Up To 50, Add	9.03	
			For >50 To 250, Add	1.42	
			For >1,000, Deduct	-0.71	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0059	SF		12" x 12" And Larger Unmounted Limestone Floor Tile, "Tiara Beige".....	15.25	1.78
			For Up To 50, Add	9.15	
			For >50 To 250, Add	1.42	
			For >1,000, Deduct	-0.71	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0060	SF		12" x 12" And Larger Unmounted Limestone Floor Tile, "Halila Cream".....	17.89	1.78
			For Up To 50, Add	9.81	
			For >50 To 250, Add	1.42	
			For >1,000, Deduct	-0.71	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0061	SF		12" x 12" And Larger Unmounted Limestone Floor Tile, "Ramon Gold".....	19.48	1.78
			For Up To 50, Add	10.21	
			For >50 To 250, Add	1.42	
			For >1,000, Deduct	-0.71	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.30	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	

**09 Finishes**

**09 30 Tiling**

**09 30 33 Stone Tiling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0062	SF		12" x 12" And Larger Unmounted Limestone Floor Tile, "Chestnut Brown Or Jerusalem Bone".....	19.48	1.78
			<i>For Up To 50, Add</i>	10.21	
			<i>For &gt;50 To 250, Add</i>	1.42	
			<i>For &gt;1,000, Deduct</i>	-0.71	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.30	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0063	SF		12" x 12" And Larger Unmounted Limestone Floor Tile, "Lagos Blue".....	19.99	1.78
			<i>For Up To 50, Add</i>	10.34	
			<i>For &gt;50 To 250, Add</i>	1.42	
			<i>For &gt;1,000, Deduct</i>	-0.71	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.30	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0064	SF		12" x 12" And Larger Unmounted Limestone Floor Tile, "Jura Gray".....	21.85	1.78
			<i>For Up To 50, Add</i>	10.80	
			<i>For &gt;50 To 250, Add</i>	1.42	
			<i>For &gt;1,000, Deduct</i>	-0.71	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.30	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	

**09 31 Thin-Set Tiling** (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

**09 31 13 Thin-Set Ceramic Tiling** (09 31)

**09 31 13 00-0001 Thin-Set Ceramic Tiling** (09 31 13)

09 31 13 00-0002	SF		Thin Set - Latex Portland Cement Mortar.....	1.73	0.94
			<i>For Up To 50, Add</i>	1.51	
			<i>For &gt;50 To 250, Add</i>	0.29	
			<i>For &gt;1,000, Deduct</i>	-0.14	
09 31 13 00-0003	SF		Clean And Scarify Existing Tile For Installation Of New Tile Over Existing.....	0.91	
			<i>For Up To 50, Add</i>	0.91	
			<i>For &gt;50 To 250, Add</i>	0.18	
			<i>For &gt;1,000, Deduct</i>	-0.09	

**09 32 Mortar-Bed Tiling** (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

**09 32 13 Mortar-Bed Ceramic Tiling** (09 32)

**09 32 13 00-0001 Mortar-Bed Ceramic Tiling** (09 32 13)

09 32 13 00-0002	SF		3/4" Minimum Thickness Portland Cement Mortar Setting Bed.....	4.07	1.90
			Note: For residential floors. Includes 15 LB felt and wire reinforcement.		
			<i>For Up To 50, Add</i>	3.16	
			<i>For &gt;50 To 250, Add</i>	0.57	
			<i>For &gt;1,000, Deduct</i>	-0.29	
			<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
09 32 13 00-0003	SF		1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed.....	5.69	2.53
			Note: For commercial floors. Includes 15 LB felt and wire reinforcement.		
			<i>For Up To 50, Add</i>	4.27	
			<i>For &gt;50 To 250, Add</i>	0.76	
			<i>For &gt;1,000, Deduct</i>	-0.38	
			<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
09 32 13 00-0004	SF		3/4" Portland Cement Plaster Scratch Coat for Walls.....	13.03	5.69
			Note: Includes 15 LB felt and expanded metal lath.		
			<i>For Up To 50, Add</i>	11.80	
			<i>For &gt;50 To 250, Add</i>	2.28	
			<i>For &gt;1,000, Deduct</i>	-1.14	
			<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
			<i>For Installation Without Felt And Metal Lath, Deduct</i>	-2.11	

**09 34 Waterproofing-Membrane Tiling** (09 30)

**09 34 00 00-0001 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds** (09 34)

**09 34 00 00-0002 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST)** (09 34 00 00-0001)

Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.

09 34 00 00-0003	EA		48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	1,057.38	
09 34 00 00-0004	EA		32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	1,212.15	
09 34 00 00-0005	EA		72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	1,776.01	

**09 34 00 00-0006 Prefabricated Polystyrene Shower Curbs And Ramps** (09 34 00 00-0001)

Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.

09 34 00 00-0007	EA		15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122).....	128.62	
09 34 00 00-0008	EA		4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122).....	121.13	

**09 34 00 00-0009 Prefabricated Polystyrene Shower Benches** (09 34 00 00-0001)

Note: Prefabricated shower bench for tiling over. Excludes tile.

09 34 00 00-0010	EA		16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41).....	248.96	
09 34 00 00-0011	EA		32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181).....	493.47	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 34 00 00-0012	EA		48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122) .....	607.58	
09 34 00 00-0013	EA		32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981).....	444.57	
09 34 00 00-0014	EA		42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107).....	493.47	
09 34 00 00-0015	EA		48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122).....	526.08	
<b>09 34 00 00-0016</b>			<b>Prefabricated Polystyrene Shower Tray (09 34 00 00-0001)</b> Note: Prefabricated shower tray for tiling over. Excludes tile.		
09 34 00 00-0017	EA		32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152).....	218.28	
09 34 00 00-0018	EA		48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122).....	218.28	
09 34 00 00-0019	EA		72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183).....	332.39	
<b>09 34 00 00-0020</b>			<b>Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) (09 34 00 00-0001)</b>		
09 34 00 00-0021	SF		1/8" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA).....	3.93	
09 34 00 00-0022	SF		5/16" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL) .....	4.50	
<b>09 34 00 00-0023</b>			<b>Bonded Waterproof Underlayment Membranes (Schluter® KERDI) (09 34 00 00-0001)</b>		
09 34 00 00-0024	SF		0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M) .....	3.49	
<b>09 35</b>			<b>Chemical-Resistant Tiling (09 30)</b> Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.		
<b>09 35 13</b>			<b>Chemical-Resistant Ceramic Tiling (09 35)</b>		
<b>09 35 13 00-0001</b>			<b>Chemical-Resistant Ceramic Tiling (09 35 13)</b>		
09 35 13 00-0002	SF		Thin Set - Epoxy Mortar .....	4.64	1.25
			Note: Impact and chemical resistant.		
			For Up To 50, Add	2.59	
			For >50 To 250, Add	0.38	
			For >1,000, Deduct	-0.19	
<b>09 39</b>			<b>Tiling Transitions (09 30)</b>		
<b>09 39 00 00-0001</b>			<b>Tile Waterproofing And Crack Prevention (09 39)</b>		
09 39 00 00-0002	CSF		30 Mil Waterproofing And Crack Prevention Membrane; RedGard.....	94.03	
<b>09 39 00 00-0003</b>			<b>Waterproof Strip Membranes (Schluter® KERDI) (09 39)</b>		
09 39 00 00-0004	LF		5" Wide, 4 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI BAND) .....	4.53	
09 39 00 00-0005	LF		10" Wide, 12 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI FLEX) .....	8.87	
<b>09 39 00 00-0006</b>			<b>Coved Shaped Transition Profiles For Floor To Wall For Tile (09 39)</b>		
09 39 00 00-0007	LF		5/16" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK) .....	5.84	
09 39 00 00-0008	LF		3/8" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK) .....	5.82	
09 39 00 00-0009	LF		1/2" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK) .....	6.02	
09 39 00 00-0010	LF		5/16" Height, PVC Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK) .....	5.57	
09 39 00 00-0011	LF		3/8" Height, Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK) .....	5.77	
<b>09 39 00 00-0012</b>			<b>Coved Shaped Inside Edge Protection And Transition Profiles For Wall To Wall For Tile (09 39)</b>		
09 39 00 00-0013	LF		9/32" x 9/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK) .....	11.59	
09 39 00 00-0014	LF		11/32" x 11/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK) .....	11.91	
09 39 00 00-0015	LF		7/16" x 7/16" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK) .....	12.26	
<b>09 39 00 00-0016</b>			<b>Tile Substrate (Schluter® KERDI BOARD) (09 39)</b>		
09 39 00 00-0017	SF		1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD).....	6.94	0.74
09 39 00 00-0018	SF		5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD).....	7.81	0.84
<b>09 39 00 00-0019</b>			<b>Floor Edge Protection And Transition Profiles For Tile (09 39)</b>		
09 39 00 00-0020	LF		1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	3.24	
09 39 00 00-0021	LF		5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	3.33	
09 39 00 00-0022	LF		3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	3.42	
09 39 00 00-0023	LF		1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	3.57	
09 39 00 00-0024	LF		1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	4.17	
09 39 00 00-0025	LF		5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	4.29	
09 39 00 00-0026	LF		3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	4.37	
09 39 00 00-0027	LF		1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	4.47	
09 39 00 00-0028	LF		9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T).....	3.38	
09 39 00 00-0029	LF		1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T).....	4.47	
09 39 00 00-0030	LF		1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK) .....	4.19	

**09 Finishes**

**09 30 Tiling**

**09 39 Tiling Transitions**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 39 00 00-0031	LF		5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK) .....	4.38	
09 39 00 00-0032	LF		3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK) .....	4.57	
09 39 00 00-0033	LF		1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK) .....	5.44	
09 39 00 00-0034	LF		5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U) .....	4.32	
09 39 00 00-0035	LF		3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U) .....	4.51	
09 39 00 00-0036	LF		1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U) .....	5.38	

**09 39 00 00-0037 Outside Wall Edge Protection And Transition Profiles For Tile (09 39)**

09 39 00 00-0038	LF		1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC) .....	4.30	
09 39 00 00-0039	LF		5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC) .....	4.50	
09 39 00 00-0040	LF		3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC) .....	4.80	
09 39 00 00-0041	LF		1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC) .....	5.11	
09 39 00 00-0042	LF		1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC) .....	4.71	
09 39 00 00-0043	LF		5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC) .....	5.10	
09 39 00 00-0044	LF		3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC) .....	5.48	
09 39 00 00-0045	LF		1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC) .....	6.16	

**09 50 Ceilings (09)**

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

**09 51 Acoustical Ceilings (09 50)**

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

**09 51 13 Acoustical Panel Ceilings (09 51)**

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

**09 51 13 00-0001 Fiberglass Panels (09 51 13)**

**09 51 13 00-0002 Fiberglass Acoustical Panels (09 51 13 00-0001)**

09 51 13 00-0003	SF		2' x 2' x 3/4" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®) .....	5.96	0.42
			For Up To 50, Add	1.37	
			For >50 To 200, Add	0.83	
			For >200 To 500, Add	0.36	
			For >2,500 To 4,000, Deduct	-0.13	
			For >4,000 To 5,000, Deduct	-0.20	
			For >5,000, Deduct	-0.31	
			For Individual Room Quantities <495, Add	0.83	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.09	
09 51 13 00-0004	SF		2' x 4' x 3/4" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®) .....	6.17	0.42
			For Up To 50, Add	1.40	
			For >50 To 200, Add	0.86	
			For >200 To 500, Add	0.37	
			For >2,500 To 4,000, Deduct	-0.13	
			For >4,000 To 5,000, Deduct	-0.21	
			For >5,000, Deduct	-0.32	
			For Individual Room Quantities <495, Add	0.86	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.09	
09 51 13 00-0005	SF		2' x 2' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®) .....	6.57	0.42
			For Up To 50, Add	1.46	
			For >50 To 200, Add	0.90	
			For >200 To 500, Add	0.39	
			For >2,500 To 4,000, Deduct	-0.14	
			For >4,000 To 5,000, Deduct	-0.22	
			For >5,000, Deduct	-0.33	
			For Individual Room Quantities <495, Add	0.90	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.09	
09 51 13 00-0006	SF		2' x 4' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®) .....	6.53	0.42
			For Up To 50, Add	1.46	
			For >50 To 200, Add	0.89	
			For >200 To 500, Add	0.39	
			For >2,500 To 4,000, Deduct	-0.14	
			For >4,000 To 5,000, Deduct	-0.22	
			For >5,000, Deduct	-0.33	
			For Individual Room Quantities <495, Add	0.89	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.09	
09 51 13 00-0007	SF		2' x 2' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™) .....	11.08	0.42
			For Up To 50, Add	2.14	
			For >50 To 200, Add	1.35	
			For >200 To 500, Add	0.61	
			For >2,500 To 4,000, Deduct	-0.23	
			For >4,000 To 5,000, Deduct	-0.36	
			For >5,000, Deduct	-0.51	
			For Individual Room Quantities <495, Add	1.35	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0008	SF		2' x 4' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™) .....	11.08	0.42
			For Up To 50, Add	2.14	
			For >50 To 200, Add	1.35	
			For >200 To 500, Add	0.61	
			For >2,500 To 4,000, Deduct	-0.23	
			For >4,000 To 5,000, Deduct	-0.36	
			For >5,000, Deduct	-0.51	
			For Individual Room Quantities <495, Add	1.35	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.09	
09 51 13 00-0009			Mineral Fiber Panels (09 51 13)		
09 51 13 00-0010			Mineral Fiber Acoustical Ceiling Panels (09 51 13 00-0009)		
			Note: Includes square or regular edge and class A fire rating.		
09 51 13 00-0011	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured).....	2.55	0.42
			For Up To 50, Add	0.93	
			For >50 To 200, Add	0.53	
			For >200 To 500, Add	0.20	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.10	
			For >5,000, Deduct	-0.18	
			For Individual Room Quantities <495, Add	0.53	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.61	
			For Ceilings >10' High, Add	0.10	
09 51 13 00-0012	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured).....	2.36	0.42
			For Up To 50, Add	0.90	
			For >50 To 200, Add	0.51	
			For >200 To 500, Add	0.19	
			For >2,500 To 4,000, Deduct	-0.05	
			For >4,000 To 5,000, Deduct	-0.10	
			For >5,000, Deduct	-0.18	
			For Individual Room Quantities <495, Add	0.51	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.61	
			For Ceilings >10' High, Add	0.10	
09 51 13 00-0013	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™) .....	2.84	0.42
			For Up To 50, Add	0.97	
			For >50 To 200, Add	0.56	
			For >200 To 500, Add	0.21	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.11	
			For >5,000, Deduct	-0.20	
			For Individual Room Quantities <495, Add	0.56	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.61	
			For Ceilings >10' High, Add	0.10	
09 51 13 00-0014	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™) .....	2.75	0.42
			For Up To 50, Add	0.96	
			For >50 To 200, Add	0.55	
			For >200 To 500, Add	0.21	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.11	
			For >5,000, Deduct	-0.19	
			For Individual Room Quantities <495, Add	0.55	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.61	
			For Ceilings >10' High, Add	0.10	
09 51 13 00-0015	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	4.22	0.42
			For Up To 50, Add	1.18	
			For >50 To 200, Add	0.69	
			For >200 To 500, Add	0.28	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.15	
			For >5,000, Deduct	-0.25	
			For Individual Room Quantities <495, Add	0.69	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.61	
			For Ceilings >10' High, Add	0.10	
09 51 13 00-0016	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	3.36	0.42
			For Up To 50, Add	1.05	
			For >50 To 200, Add	0.61	
			For >200 To 500, Add	0.24	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.13	
			For >5,000, Deduct	-0.22	
			For Individual Room Quantities <495, Add	0.61	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.61	
			For Ceilings >10' High, Add	0.10	

## 09 Finishes

## 09 50 Ceilings

## 09 51 Acoustical Ceilings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0017	SF		2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.58	0.42
			For Up To 50, Add	1.08	
			For >50 To 200, Add	0.63	
			For >200 To 500, Add	0.25	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.13	
			For >5,000, Deduct	-0.22	
			For Individual Room Quantities <495, Add	0.63	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.61	
			For Ceilings >10' High, Add	0.10	
09 51 13 00-0018	SF		2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.19	0.42
			For Up To 50, Add	1.02	
			For >50 To 200, Add	0.59	
			For >200 To 500, Add	0.23	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.12	
			For >5,000, Deduct	-0.21	
			For Individual Room Quantities <495, Add	0.59	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.61	
			For Ceilings >10' High, Add	0.10	
09 51 13 00-0019	SF		2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®).....	4.60	0.42
			For Up To 50, Add	1.23	
			For >50 To 200, Add	0.73	
			For >200 To 500, Add	0.30	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.17	
			For >5,000, Deduct	-0.27	
			For Individual Room Quantities <495, Add	0.73	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.61	
			For Ceilings >10' High, Add	0.10	
09 51 13 00-0020	SF		2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®).....	4.58	0.42
			For Up To 50, Add	1.23	
			For >50 To 200, Add	0.73	
			For >200 To 500, Add	0.30	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.16	
			For >5,000, Deduct	-0.26	
			For Individual Room Quantities <495, Add	0.73	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.61	
			For Ceilings >10' High, Add	0.10	
09 51 13 00-0021	SF		2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™/High Washability).....	6.12	0.42
			For Up To 50, Add	1.46	
			For >50 To 200, Add	0.88	
			For >200 To 500, Add	0.37	
			For >2,500 To 4,000, Deduct	-0.13	
			For >4,000 To 5,000, Deduct	-0.21	
			For >5,000, Deduct	-0.33	
			For Individual Room Quantities <495, Add	0.88	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.61	
			For Ceilings >10' High, Add	0.10	
09 51 13 00-0022	SF		2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™/High Washability).....	6.71	0.42
			For Up To 50, Add	1.55	
			For >50 To 200, Add	0.94	
			For >200 To 500, Add	0.40	
			For >2,500 To 4,000, Deduct	-0.14	
			For >4,000 To 5,000, Deduct	-0.23	
			For >5,000, Deduct	-0.35	
			For Individual Room Quantities <495, Add	0.94	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.61	
			For Ceilings >10' High, Add	0.10	
09 51 13 00-0023	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL Perforated).....	5.86	0.42
			For Up To 50, Add	1.42	
			For >50 To 200, Add	0.86	
			For >200 To 500, Add	0.36	
			For >2,500 To 4,000, Deduct	-0.12	
			For >4,000 To 5,000, Deduct	-0.20	
			For >5,000, Deduct	-0.32	
			For Individual Room Quantities <495, Add	0.86	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.61	
			For Ceilings >10' High, Add	0.10	
09 51 13 00-0024	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL Perforated).....	5.83	0.42
			For Up To 50, Add	1.42	
			For >50 To 200, Add	0.86	
			For >200 To 500, Add	0.36	
			For >2,500 To 4,000, Deduct	-0.12	
			For >4,000 To 5,000, Deduct	-0.20	
			For >5,000, Deduct	-0.31	
			For Individual Room Quantities <495, Add	0.86	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.61	
			For Ceilings >10' High, Add	0.10	
09 51 13 00-0025	SF		20" x 60" x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™2617).....	2.75	0.42
			For Ceilings >10' High, Add	0.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0026	SF		20" x 60" x 5/8" Thick, Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™2627)..... <i>For Ceilings &gt;10' High, Add</i>	3.05 0.10	0.42
<b>09 51 13 00-0027 Wood Fiber Panels</b> <small>(09 51 13)</small>					
09 51 13 00-0028	SF		2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels ..... <i>For Up To 50, Add</i> <i>For &gt;50 To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For &gt;2,500 To 4,000, Deduct</i> <i>For &gt;4,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i> <i>For Individual Room Quantities &lt;495, Add</i> <i>Note: For use with projects &gt;500 SF</i> <i>For Ceilings &gt;10' High, Add</i>	4.73 1.46 0.85 0.33 -0.10 -0.18 -0.30 0.85 0.14	0.62
09 51 13 00-0029	SF		2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels ..... <i>For Up To 50, Add</i> <i>For &gt;50 To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For &gt;2,500 To 4,000, Deduct</i> <i>For &gt;4,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i> <i>For Individual Room Quantities &lt;495, Add</i> <i>Note: For use with projects &gt;500 SF</i> <i>For Ceilings &gt;10' High, Add</i>	4.54 1.35 0.79 0.31 -0.10 -0.17 -0.28 0.79 0.13	0.62
09 51 13 00-0030	SF		2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels ..... <i>For Up To 50, Add</i> <i>For &gt;50 To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For &gt;2,500 To 4,000, Deduct</i> <i>For &gt;4,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i> <i>For Individual Room Quantities &lt;495, Add</i> <i>Note: For use with projects &gt;500 SF</i> <i>For Ceilings &gt;10' High, Add</i>	6.00 1.65 0.97 0.39 -0.13 -0.22 -0.35 0.97 0.14	0.62
09 51 13 00-0031	SF		2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels ..... <i>For Up To 50, Add</i> <i>For &gt;50 To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For &gt;2,500 To 4,000, Deduct</i> <i>For &gt;4,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i> <i>For Individual Room Quantities &lt;495, Add</i> <i>Note: For use with projects &gt;500 SF</i> <i>For Ceilings &gt;10' High, Add</i>	5.81 1.54 0.92 0.37 -0.12 -0.21 -0.33 0.92 0.13	0.62
09 51 13 00-0032	SF		2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels ..... <i>For Up To 50, Add</i> <i>For &gt;50 To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For &gt;2,500 To 4,000, Deduct</i> <i>For &gt;4,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i> <i>For Individual Room Quantities &lt;495, Add</i> <i>Note: For use with projects &gt;500 SF</i> <i>For Ceilings &gt;10' High, Add</i>	7.23 1.83 1.10 0.46 -0.15 -0.25 -0.40 1.10 0.14	0.62
09 51 13 00-0033	SF		2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels ..... <i>For Up To 50, Add</i> <i>For &gt;50 To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For &gt;2,500 To 4,000, Deduct</i> <i>For &gt;4,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i> <i>For Individual Room Quantities &lt;495, Add</i> <i>Note: For use with projects &gt;500 SF</i> <i>For Ceilings &gt;10' High, Add</i>	7.04 1.73 1.04 0.44 -0.15 -0.24 -0.38 1.04 0.13	0.62
09 51 13 00-0034	SF		2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels ..... <i>For Up To 50, Add</i> <i>For &gt;50 To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For &gt;2,500 To 4,000, Deduct</i> <i>For &gt;4,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i> <i>For Individual Room Quantities &lt;495, Add</i> <i>Note: For use with projects &gt;500 SF</i> <i>For Ceilings &gt;10' High, Add</i>	5.47 1.57 0.92 0.37 -0.12 -0.20 -0.33 0.92 0.14	0.62
09 51 13 00-0035	SF		2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels ..... <i>For Up To 50, Add</i> <i>For &gt;50 To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For &gt;2,500 To 4,000, Deduct</i> <i>For &gt;4,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i> <i>For Individual Room Quantities &lt;495, Add</i> <i>Note: For use with projects &gt;500 SF</i> <i>For Ceilings &gt;10' High, Add</i>	5.28 1.46 0.86 0.35 -0.11 -0.19 -0.31 0.86 0.13	0.62
09 51 13 00-0036			<b>Removal And Reinstallation Of Acoustical Ceiling Panels</b> <small>(09 51 13)</small> <i>Note: 2'x2' Or 2'x4'. Includes storage and cleaning.</i>		

**09 Finishes**

**09 50 Ceilings**

**09 51 Acoustical Ceilings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0037	SF		Removal And Reinstallation Of Acoustical Panels Only.....	1.01	
			<i>For Up To 50, Add</i>	0.56	
			<i>For &gt;50 To 200, Add</i>	0.30	
			<i>For &gt;200 To 500, Add</i>	0.10	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.03	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000, Deduct</i>	-0.10	
			<i>For Ceilings &gt;10' High, Add</i>	0.08	
<b>09 51 23</b>			<b>Acoustical Tile Ceilings (09 51)</b>		
			Note: Includes fastening with staples and/or adhesive.		
<b>09 51 23 00-0001</b>			<b>Mineral Fiber Acoustical Tile Ceilings (09 51 23)</b>		
09 51 23 00-0002	SF		12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile.....	4.84	1.16
			<i>For Furring 1 x 3 Strips 12" On Center, Add</i>	0.50	
			<i>For Up To 50, Add</i>	1.77	
			<i>For &gt;50 To 200, Add</i>	1.01	
			<i>For &gt;200 To 500, Add</i>	0.37	
			<i>For &gt;2,500, Deduct</i>	-0.24	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
09 51 23 00-0003	SF		12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile.....	5.68	1.16
			<i>For Furring 1 x 3 Strips 12" On Center, Add</i>	0.50	
			<i>For Up To 50, Add</i>	1.90	
			<i>For &gt;50 To 200, Add</i>	1.09	
			<i>For &gt;200 To 500, Add</i>	0.42	
			<i>For &gt;2,500, Deduct</i>	-0.28	
			<i>For Placing Tiles In Suspended Ceiling System, Deduct</i>	-0.34	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
09 51 23 00-0004	SF		12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile.....	6.34	1.16
			<i>For Furring 1 x 3 Strips 12" On Center, Add</i>	0.50	
			<i>For Up To 50, Add</i>	2.00	
			<i>For &gt;50 To 200, Add</i>	1.16	
			<i>For &gt;200 To 500, Add</i>	0.45	
			<i>For &gt;2,500, Deduct</i>	-0.32	
			<i>For Placing Tiles In Suspended Ceiling System, Deduct</i>	-0.34	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
<b>09 51 23 00-0005</b>			<b>Wood Fiber Acoustical Tile Ceilings (09 51 23)</b>		
09 51 23 00-0006	SF		12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile.....	4.49	1.16
			<i>For Furring 1 x 3 Strips 12" On Center, Add</i>	0.50	
			<i>For Up To 50, Add</i>	1.72	
			<i>For &gt;50 To 200, Add</i>	0.97	
			<i>For &gt;200 To 500, Add</i>	0.36	
			<i>For &gt;2,500, Deduct</i>	-0.22	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
<b>09 51 33</b>			<b>Acoustical Metal Pan Ceilings (09 51)</b>		
<b>09 51 33 13</b>			<b>Acoustical Snap-in Metal Pan Ceilings (09 51 33)</b>		
<b>09 51 33 13-0001</b>			<b>Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)</b>		
09 51 33 13-0002	SF		24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™).....	16.45	0.92
09 51 33 13-0003	SF		24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™).....	17.58	0.92
<b>09 51 33 13-0004</b>			<b>Aluminum, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)</b>		
09 51 33 13-0005	SF		24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	12.37	1.05
09 51 33 13-0006	SF		24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	20.77	1.05
09 51 33 13-0007	SF		24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	40.36	1.05
09 51 33 13-0008	SF		24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	18.45	1.05
09 51 33 13-0009	SF		24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	13.04	1.05
09 51 33 13-0010	SF		24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	20.25	1.05
09 51 33 13-0011	SF		24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	40.06	1.05
09 51 33 13-0012	SF		24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	18.30	1.05
09 51 33 13-0013	SF		30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	16.72	1.05
09 51 33 13-0014	SF		30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	21.90	1.05
09 51 33 13-0015	SF		30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	44.48	1.05
09 51 33 13-0016	SF		30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	21.67	1.05
09 51 33 13-0017	SF		30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	17.70	1.05
09 51 33 13-0018	SF		30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	22.42	1.05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0019	SF		30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	45.98	1.05
09 51 33 13-0020	SF		30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	22.20	1.05
09 51 33 13-0021	SF		12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	15.15	1.05
09 51 33 13-0022	SF		12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	24.60	1.05
09 51 33 13-0023	SF		12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	43.51	1.05
09 51 33 13-0024	SF		12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	21.15	1.05
09 51 33 13-0025	SF		12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	16.27	1.05
09 51 33 13-0026	SF		12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	24.90	1.05
09 51 33 13-0027	SF		12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	45.08	1.05
09 51 33 13-0028	SF		12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	21.82	1.05
09 51 33 13-0029	SF		24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	12.05	1.05
09 51 33 13-0030	SF		24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	18.36	1.05
09 51 33 13-0031	SF		24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	37.87	1.05
09 51 33 13-0032	SF		24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	17.46	1.05
09 51 33 13-0033	SF		24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	12.80	1.05
09 51 33 13-0034	SF		24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	18.21	1.05
09 51 33 13-0035	SF		24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	37.94	1.05
09 51 33 13-0036	SF		24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	17.46	1.05

**09 51 33 23 Acoustical Lay-in Metal Pan Ceilings (09 51 33)**

**09 51 33 23-0001 Acoustical Lay-In Metal Pan Ceilings (09 51 33 23)**

**09 51 33 23-0002 Aluminum, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)**

09 51 33 23-0003	SF		24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	12.83	0.79
09 51 33 23-0004	SF		24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	14.51	0.79
09 51 33 23-0005	SF		24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	21.27	0.79
09 51 33 23-0006	SF		24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	18.08	0.79
09 51 33 23-0007	SF		24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	19.39	0.79
09 51 33 23-0008	SF		24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	30.46	0.79
09 51 33 23-0009	SF		30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	19.10	0.79
09 51 33 23-0010	SF		30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	23.66	0.79
09 51 33 23-0011	SF		48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	19.20	0.79
09 51 33 23-0012	SF		48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	23.80	0.79
09 51 33 23-0013	SF		12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	19.30	0.79
09 51 33 23-0014	SF		12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	23.70	0.79
09 51 33 23-0015	SF		24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	19.30	0.79
09 51 33 23-0016	SF		24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	23.89	0.79

**09 51 33 23-0017 Steel, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)**

09 51 33 23-0018	SF		24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®) .....	16.52	0.79
09 51 33 23-0019	SF		24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®) .....	19.67	0.79
09 51 33 23-0020	SF		24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®) .....	21.09	0.79
09 51 33 23-0021	SF		24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®) .....	19.82	0.79
09 51 33 23-0022	SF		24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®) .....	20.34	0.79
09 51 33 23-0023	SF		24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®) .....	21.54	0.79

**09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings (09 51 33)**

**09 51 33 33-0001 Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33)**

**09 51 33 33-0002 Steel, Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33-0001)**

09 51 33 33-0003	SF		24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	12.09	0.79
09 51 33 33-0004	SF		24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	13.59	0.79
09 51 33 33-0005	SF		24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	19.14	0.79
09 51 33 33-0006	SF		24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	13.74	0.79

**09 Finishes****09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 51 33 33-0007	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	15.54		0.79
09 51 33 33-0008	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	20.87		0.79

**09 53 Acoustical Ceiling Suspension Assemblies (09 50)****09 53 13 Curved Profile Ceiling Suspension (09 53)****09 53 13 00-0001 Perimeter Trim (09 53 13)**

09 53 13 00-0002	LF	2" Straight Section Axiom Perimeter Trim.....	16.33		
09 53 13 00-0003	LF	4" Straight Section Axiom Perimeter Trim.....	19.91		
09 53 13 00-0004	LF	6" Straight Section Axiom Perimeter Trim.....	22.30		
09 53 13 00-0005	EA	2" Corner Section Axiom Perimeter Trim.....	30.11		
09 53 13 00-0006	EA	4" Corner Section Axiom Perimeter Trim.....	38.71		
09 53 13 00-0007	EA	6" Corner Section Axiom Perimeter Trim.....	43.73		

**09 53 23 Metal Acoustical Ceiling Suspension Assemblies (09 53)****09 53 23 00-0001 Ceiling Suspension Systems (09 53 23)**

Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4" on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.

09 53 23 00-0002	SF	1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	3.86		0.52
		Note: Excludes ceiling tile.			
		For Fastening To Concrete, Add	1.26		
		For Fastening To Steel, Add	1.37		
		For Vertical Application, Add	2.00		
		For Individual Room Quantities <495, Add	0.42		
		Note: For use with projects >500 SF			
		For Up To 50, Add	1.49		
		For >50 To 200, Add	0.84		
		For >200 To 500, Add	0.31		
		For >2,500 To 4,000, Deduct	-0.09		
		For >4,000 To 5,000, Deduct	-0.16		
		For >5,000, Deduct	-0.23		
		For Ceilings >10' High, Add	0.17		
09 53 23 00-0003	SF	1' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	3.09		0.52
		For UL Listed (Fire Guard), Add	0.18		
		For 1-1/2" Wide Faced Grid, Add	0.33		
		For Fastening To Concrete, Add	1.22		
		For Fastening To Steel, Add	1.33		
		For Vertical Application, Add	1.66		
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50		
		For Individual Room Quantities <495, Add	0.34		
		Note: For use with projects >500 SF			
		For Aluminum T-Bar System, Add	0.54		
		For Up To 50, Add	1.22		
		For >50 To 200, Add	0.69		
		For >200 To 500, Add	0.25		
		For >2,500 To 4,000, Deduct	-0.07		
		For >4,000 To 5,000, Deduct	-0.13		
		For >5,000, Deduct	-0.19		
		For Ceilings >10' High, Add	0.14		
09 53 23 00-0004	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	2.59		0.52
		For UL Listed (Fire Guard), Add	0.13		
		For 1-1/2" Wide Faced Grid, Add	0.24		
		For Fastening To Concrete, Add	1.21		
		For Fastening To Steel, Add	1.32		
		For Vertical Application, Add	1.53		
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50		
		For Individual Room Quantities <495, Add	0.30		
		Note: For use with projects >500 SF			
		For Aluminum T-Bar System, Add	0.38		
		For Up To 50, Add	1.09		
		For >50 To 200, Add	0.61		
		For >200 To 500, Add	0.22		
		For >2,500 To 4,000, Deduct	-0.06		
		For >4,000 To 5,000, Deduct	-0.11		
		For >5,000, Deduct	-0.16		
		For Black Grid, Add	0.11		
		For Ceilings >10' High, Add	0.13		
		For Concealed Spline Grid, Add	0.39		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0005	SF	2' x 4'	Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	2.13	0.52
			For UL Listed (Fire Guard), Add	0.10	
			For 1-1/2" Wide Faced Grid, Add	0.18	
			For Fastening To Concrete, Add	1.18	
			For Fastening To Steel, Add	1.29	
			For Vertical Application, Add	1.47	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.25	
			Note: For use with projects >500 SF		
			For Aluminum T-Bar System, Add	0.30	
			For Up To 50, Add	0.91	
			For >50 To 200, Add	0.51	
			For >200 To 500, Add	0.18	
			For >2,500 To 4,000, Deduct	-0.05	
			For >4,000 To 5,000, Deduct	-0.09	
			For >5,000, Deduct	-0.14	
			For Black Grid, Add	0.08	
			For Ceilings >10' High, Add	0.11	
			For Concealed Spline Grid, Add	0.31	
09 53 23 00-0006	SF	1'-8" To 2' x 5'	Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	1.86	0.52
			For UL Listed (Fire Guard), Add	0.09	
			For 1-1/2" Wide Faced Grid, Add	0.17	
			For Fastening To Concrete, Add	1.16	
			For Fastening To Steel, Add	1.27	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.22	
			Note: For use with projects >500 SF		
			For Aluminum T-Bar System, Add	0.27	
			For Up To 50, Add	0.78	
			For >50 To 200, Add	0.44	
			For >200 To 500, Add	0.16	
			For >2,500 To 4,000, Deduct	-0.04	
			For >4,000 To 5,000, Deduct	-0.08	
			For >5,000, Deduct	-0.12	
			For Ceilings >10' High, Add	0.09	
09 53 23 00-0007	SF	2' x 2'	Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....	2.76	0.52
			For UL Listed (Fire Guard), Add	0.15	
			For Fastening To Concrete, Add	1.21	
			For Fastening To Steel, Add	1.32	
			For Vertical Application, Add	1.53	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.31	
			Note: For use with projects >500 SF		
			For Up To 50, Add	1.11	
			For >50 To 200, Add	0.63	
			For >200 To 500, Add	0.23	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.12	
			For >5,000, Deduct	-0.17	
			For Black Grid, Add	0.13	
			For Ceilings >10' High, Add	0.13	
09 53 23 00-0008	SF	2' x 4'	Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....	2.26	0.52
			For UL Listed (Fire Guard), Add	0.12	
			For Fastening To Concrete, Add	1.18	
			For Fastening To Steel, Add	1.29	
			For Vertical Application, Add	1.47	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.26	
			Note: For use with projects >500 SF		
			For Up To 50, Add	0.93	
			For >50 To 200, Add	0.52	
			For >200 To 500, Add	0.19	
			For >2,500 To 4,000, Deduct	-0.05	
			For >4,000 To 5,000, Deduct	-0.10	
			For >5,000, Deduct	-0.14	
			For Black Grid, Add	0.10	
			For Ceilings >10' High, Add	0.11	
09 53 23 00-0009			Ceiling Suspension System Accessories (09 53 23)		
09 53 23 00-0010	LF		Pencil Rod Support For Suspended Ceiling with Accessories.....	1.17	
09 53 23 00-0011	LF	1" x 1/8"	Flat Bar Bracing For Suspended Ceiling.....	3.18	1.47
			For 304 Stainless Steel, Add	2.76	
			For 316 Stainless Steel, Add	3.10	
			For Aluminum, Add	0.17	
			For Galvanized Steel, Add	0.60	
09 53 23 00-0012	LF	1" x 3/16"	Flat Bar Bracing For Suspended Ceiling.....	4.54	1.57
			For 304 Stainless Steel, Add	4.22	
			For 316 Stainless Steel, Add	4.74	
			For Aluminum, Add	0.27	
			For Galvanized Steel, Add	0.92	
09 53 23 00-0013	LF	1-1/2" x 1/4"	Flat Bar Bracing For Suspended Ceiling.....	6.42	1.68
			For 304 Stainless Steel, Add	8.44	
			For 316 Stainless Steel, Add	9.47	
			For Aluminum, Add	0.53	
			For Galvanized Steel, Add	1.84	
09 53 23 00-0014	EA	2',	Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee.....	6.34	0.30
			Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.		
09 53 23 00-0015	EA		Lateral Support For Suspended Ceiling Channel, Installed 12'-0" On Center Maximum.....	27.81	8.00
			Note: Includes vertical centerl strut and four 12 gauge diagonal wires.		

**09 Finishes****09 50 Ceilings****09 53 Acoustical Ceiling Suspension Assemblies**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 53 23 00-0016	EA	Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure .....	67.99		21.31
09 53 23 00-0017	EA	>30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure .....	70.42		21.72
09 53 23 00-0018	EA	>48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure .....	78.63		21.72
<b>09 53 23 00-0019</b>		<b>Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly</b> <small>(09 53 23)</small>			
		Note: 2'x2' Or 2'x4'. Includes storage and cleaning.			
09 53 23 00-0020	SF	Removal And Reinstallation Of Acoustical Ceiling Tile And Grid, 2' x 2' Or 2' x 4' .....	1.80		
		Note: Suspension system tie wire, wall angles and bracing to remain in place.			
		For Up To 50, Add	0.99		
		For >50 To 200, Add	0.54		
		For >200 To 500, Add	0.18		
		For >2,500 To 4,000, Deduct	-0.05		
		For >4,000 To 5,000, Deduct	-0.09		
		For >5,000, Deduct	-0.14		
		For Ceilings >10' High, Add	0.14		
09 53 23 00-0021	SF	Removal And Reinstallation Of Grid System Only .....	1.05		
		Note: Suspension system tie wire, wall angles and bracing to remain in place.			
		For Up To 50, Add	0.58		
		For >50 To 200, Add	0.32		
		For >200 To 500, Add	0.11		
		For >2,500 To 4,000, Deduct	-0.03		
		For >4,000 To 5,000, Deduct	-0.05		
		For >5,000, Deduct	-0.08		
		For Ceilings >10' High, Add	0.08		
<b>09 54</b>		<b>Specialty Ceilings</b> <small>(09 50)</small>			
<b>09 54 16</b>		<b>Luminous Ceilings</b> <small>(09 54)</small>			
<b>09 54 16 00-0001</b>		<b>Translucent Ceiling Panels</b> <small>(09 54 16)</small>			
09 54 16 00-0002	SF	2' x 2' x 0.013" Thick, Rigid Vinyl Plastic, Translucent Ceiling Panel .....	3.21		0.52
		For Ceilings >10' High, Add	0.09		
		For >100 To 200, Deduct	-0.14		
		For >200 To 300, Deduct	-0.36		
		For >300, Deduct	-0.62		
<b>09 54 23</b>		<b>Linear Metal Ceilings</b> <small>(09 54)</small>			
<b>09 54 23 00-0001</b>		<b>Linear Ceiling Systems</b> <small>(09 54 23)</small>			
<b>09 54 23 00-0002</b>		<b>0.032" Aluminum, Linear Ceiling Systems</b> <small>(09 54 23 00-0001)</small>			
		Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.			
09 54 23 00-0003	SF	4" Panel Width, 0.032" Aluminum, Linear Ceiling System .....	17.28		2.35
		For Up To 50, Add	4.85		
		For >50 To 200, Add	2.86		
		For >200 To 500, Add	1.15		
		For >2,500, Deduct	-0.86		
		For Ceilings >10' High, Add	0.42		
		For Linear Ceiling Systems Without Filler Strips, Deduct	-2.89		
		For Curved Ceilings, Add	1.35		
09 54 23 00-0004	SF	8" Panel Width, 0.032" Aluminum, Linear Ceiling System .....	14.19		2.35
		For Up To 50, Add	4.34		
		For >50 To 200, Add	2.53		
		For >200 To 500, Add	0.99		
		For >2,500, Deduct	-0.71		
		For Ceilings >10' High, Add	0.41		
		For Linear Ceiling Systems Without Filler Strips, Deduct	-1.43		
		For Curved Ceilings, Add	1.33		
09 54 23 00-0005	SF	12" Panel Width, 0.032" Aluminum, Linear Ceiling System .....	12.96		2.35
		For Up To 50, Add	4.11		
		For >50 To 200, Add	2.38		
		For >200 To 500, Add	0.92		
		For >2,500, Deduct	-0.65		
		For Ceilings >10' High, Add	0.41		
		For Linear Ceiling Systems Without Filler Strips, Deduct	-0.96		
		For Curved Ceilings, Add	1.30		
<b>09 54 23 00-0006</b>		<b>Tin Ceilings</b> <small>(09 54 23)</small>			
09 54 23 00-0007	SF	2' x 2' Tin Ceiling Embossed Panels .....	19.16		3.65
		For Up To 50, Add	4.63		
		For >50 To 200, Add	2.80		
		For >200 To 500, Add	1.18		
		For >2,500, Deduct	-0.96		
		For Ceilings >10' High, Add	0.33		
09 54 23 00-0008	SF	12" x 12" Tin Ceiling Embossed Plates .....	28.18		2.35
		For Up To 50, Add	6.08		
		For >50 To 200, Add	3.75		
		For >200 To 500, Add	1.64		
		For >2,500, Deduct	-1.41		
		For Ceilings >10' High, Add	0.35		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 23 00-0009	SF		12" x 24" Tin Ceiling Embossed Plates.....	20.69	2.35
			<i>For Up To 50, Add</i>	4.96	
			<i>For &gt;50 To 200, Add</i>	3.00	
			<i>For &gt;200 To 500, Add</i>	1.27	
			<i>For &gt;2,500, Deduct</i>	-1.03	
			<i>For Ceilings &gt;10' High, Add</i>	0.35	
09 54 23 00-0010	SF		24" x 24" Tin Ceiling Embossed Plates.....	19.00	2.35
			<i>For Up To 50, Add</i>	4.56	
			<i>For &gt;50 To 200, Add</i>	2.76	
			<i>For &gt;200 To 500, Add</i>	1.16	
			<i>For &gt;2,500, Deduct</i>	-0.95	
			<i>For Ceilings &gt;10' High, Add</i>	0.32	
09 54 23 00-0011	SF		24" x 48" Tin Ceiling Embossed Plates.....	16.58	1.76
			<i>For Up To 50, Add</i>	3.98	
			<i>For &gt;50 To 200, Add</i>	2.41	
			<i>For &gt;200 To 500, Add</i>	1.02	
			<i>For &gt;2,500, Deduct</i>	-0.83	
			<i>For Ceilings &gt;10' High, Add</i>	0.28	
09 54 23 00-0012	LF		3" Or 4" Wide Embossed Molding.....	13.37	3.53
09 54 23 00-0013	LF		6" Wide Embossed Molding.....	16.65	4.12
09 54 23 00-0014	LF		12" Wide Embossed Molding.....	22.26	4.83
09 54 23 00-0015	EA		3", 4" Or 6" Wide Embossed Cross, Tee Or Ell.....	38.93	11.17
09 54 23 00-0016	EA		12" Wide Embossed Cross, Tee Or Ell.....	53.58	13.06

09 57 Special Function Ceilings (09 50)

09 57 63 High Impact Ceilings (09 57)

09 57 63 00-0001 High Impact Ceilings (09 57 63)

09 57 63 00-0002	SF		Polyvinyl Chloride Face High Impact Ceiling Panels.....	6.56	1.05
			<i>For Ceilings &gt;10' High, Add</i>	0.13	
09 57 63 00-0003	SF		High Impact Clips.....	2.58	0.84
			<i>For Ceilings &gt;10' High, Add</i>	0.10	

09 60 Flooring (09)

Note: Perform moisture testing as recommended by manufacturer.

09 61 Flooring Treatment (09 60)

09 61 13 Slip-Resistant Flooring Treatment (09 61)

09 61 13 00-0001 Anti-Slip Tape (09 61 13)

Note: Grit sandpaper surface with adhesive back.

09 61 13 00-0002	LF		1" Anti-Slip Tape.....	2.62	2.09
09 61 13 00-0003	LF		2" Anti-Slip Tape.....	3.25	2.31
09 61 13 00-0004	LF		3" Anti-Slip Tape.....	3.87	2.54
09 61 13 00-0005	LF		4" Anti-Slip Tape.....	4.46	2.79
09 61 13 00-0006	LF		6" Anti-Slip Tape.....	5.59	3.07
09 61 13 00-0007	LF		12" Anti-Slip Tape.....	9.61	4.60
09 61 13 00-0008	LF		24" Anti-Slip Tape.....	13.69	6.91

09 63 Masonry Flooring (09 60)

09 63 13 Brick Flooring (09 63)

09 63 13 00-0001 Clay Bricks (09 63 13)

09 63 13 00-0002	SF		2-1/4" Thick Clay Brick Floor.....	26.21	9.60
			<i>For Basket Weave Pattern, Add</i>	2.05	
			<i>For Herringbone Pattern, Add</i>	2.74	
			<i>For Epoxy Joints, Add</i>	5.14	
09 63 13 00-0003	SF		3" Thick Clay Brick Floor.....	29.32	9.60
			<i>For Basket Weave Pattern, Add</i>	2.05	
			<i>For Herringbone Pattern, Add</i>	2.74	
			<i>For Epoxy Joints, Add</i>	5.14	
09 63 13 00-0004	SF		1/2" Thick Unglazed Clay Brick Floor.....	17.45	9.60
			<i>For Basket Weave Pattern, Add</i>	2.05	
			<i>For Herringbone Pattern, Add</i>	2.74	
			<i>For Epoxy Joints, Add</i>	5.14	
09 63 13 00-0005	SF		1/2" Thick Glazed Clay Brick Floor.....	20.27	9.60
			<i>For Basket Weave Pattern, Add</i>	2.05	
			<i>For Herringbone Pattern, Add</i>	2.74	
			<i>For Epoxy Joints, Add</i>	5.14	
09 63 13 00-0006	SF		3/4" Thick Unglazed Clay Brick Floor.....	18.71	9.60
			<i>For Basket Weave Pattern, Add</i>	2.05	
			<i>For Herringbone Pattern, Add</i>	2.74	
			<i>For Epoxy Joints, Add</i>	5.14	
09 63 13 00-0007	SF		3/4" Thick Glazed Clay Brick Floor.....	22.46	9.60
			<i>For Basket Weave Pattern, Add</i>	2.05	
			<i>For Herringbone Pattern, Add</i>	2.74	
			<i>For Epoxy Joints, Add</i>	5.14	
09 63 13 00-0008	SF		15/16" Thick Unglazed Clay Brick Floor.....	19.93	9.60
			<i>For Basket Weave Pattern, Add</i>	2.05	
			<i>For Herringbone Pattern, Add</i>	2.74	
			<i>For Epoxy Joints, Add</i>	5.14	

**09 Finishes****09 60 Flooring****09 63 Masonry Flooring**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 63 13 00-0009	SF	15/16" Thick Glazed Clay Brick Floor.....	24.67	9.60
		<i>For Basket Weave Pattern, Add</i>	2.05	
		<i>For Herringbone Pattern, Add</i>	2.74	
		<i>For Epoxy Joints, Add</i>	5.14	
<b>09 63 43</b>		<b>Composition Stone Flooring (09 63)</b>		
09 63 43 00-0001		Cupric Oxchloride Cement, Seamless Flooring System (09 63 43)		
		Note: Chemical and slip resistant. OSHA and USDA approved.		
09 63 43 00-0002	SF	3/8" Thick, Cupric Oxchloride Cement, Seamless Flooring System, Trowel Applied .....	15.32	5.47
09 64		<b>Wood Flooring (09 60)</b>		
<b>09 64 13</b>		<b>Wood Flooring Underlayment (09 64)</b>		
09 64 13 00-0001		Wood Flooring Underlayment (09 64 13)		
09 64 13 00-0002	SF	Regular Weight Red Rosin Paper, Wood Flooring Underlayment.....	0.49	
09 64 13 00-0003	SF	Heavy Weight Red Rosin Paper, Wood Flooring Underlayment .....	0.49	
09 64 13 00-0004	SF	30 LB, Waxed Paper, Wood Flooring Underlayment.....	0.51	
09 64 13 00-0005	SF	15 LB, Asphalt Saturated Organic Felt, Wood Flooring Underlayment .....	0.56	
09 64 13 00-0006	SF	6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment .....	0.51	
09 64 13 00-0007	SF	8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment .....	0.55	
09 64 13 00-0008	SF	1/8" Thick, Natural Cork, Wood Flooring Underlayment.....	1.86	0.34
09 64 13 00-0009	SF	1/4" Thick, Natural Cork, Wood Flooring Underlayment.....	1.93	0.34
09 64 13 00-0010	SF	3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15).....	0.75	
09 64 13 00-0011	SF	2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180) .....	0.90	
09 64 13 00-0012	SF	4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193).....	0.96	
09 64 13 00-0013	SF	2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026) .....	1.14	
09 64 13 00-0014	SF	1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105).....	1.16	0.23
<b>09 64 23</b>		<b>Wood Parquet Flooring (09 64)</b>		
		Note: All wood parquet flooring is prefinished at factory.		
09 64 23 00-0001		Hardwood Parquet Flooring (09 64 23)		
09 64 23 00-0002	SF	5/16" Thick Oak Parquet Flooring .....	14.48	1.05
		<i>For Up To 20, Add</i>	5.12	
		<i>For &gt;20 To 50, Add</i>	2.76	
		<i>For &gt;50 To 100, Add</i>	1.38	
		<i>For &gt;100 To 300, Add</i>	0.69	
<b>09 64 29</b>		<b>Wood Strip and Plank Flooring (09 64)</b>		
		Note: All wood strip flooring is unfinished, tongue and groove.		
09 64 29 00-0001		Unfinished Fir, Wood Strip Flooring (09 64 29)		
09 64 29 00-0002	SF	3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring.....	12.42	1.05
		<i>For Factory Finish, Add</i>	0.77	
		<i>For Random Width Floor, Add</i>	2.87	
		<i>For Up To 20, Add</i>	3.98	
		<i>For &gt;20 To 50, Add</i>	2.18	
		<i>For &gt;50 To 100, Add</i>	1.09	
		<i>For &gt;100 To 300, Add</i>	0.55	
09 64 29 00-0003		Unfinished Oak, Wood Strip Flooring (09 64 29)		
09 64 29 00-0004		Unfinished White Oak, Wood Strip Flooring (09 64 29 00-0003)		
09 64 29 00-0005	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring .....	10.18	1.05
		<i>For Factory Finish, Add</i>	0.40	
		<i>For Random Width Floor, Add</i>	2.24	
		<i>For Up To 20, Add</i>	4.30	
		<i>For &gt;20 To 50, Add</i>	2.25	
		<i>For &gt;50 To 100, Add</i>	1.13	
		<i>For &gt;100 To 300, Add</i>	0.56	
09 64 29 00-0006	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring .....	10.70	1.05
		<i>For Factory Finish, Add</i>	0.45	
		<i>For Random Width Floor, Add</i>	2.37	
		<i>For Up To 20, Add</i>	4.38	
		<i>For &gt;20 To 50, Add</i>	2.30	
		<i>For &gt;50 To 100, Add</i>	1.15	
		<i>For &gt;100 To 300, Add</i>	0.58	
09 64 29 00-0007	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring .....	11.49	1.05
		<i>For Factory Finish, Add</i>	0.53	
		<i>For Random Width Floor, Add</i>	2.56	
		<i>For Up To 20, Add</i>	4.50	
		<i>For &gt;20 To 50, Add</i>	2.38	
		<i>For &gt;50 To 100, Add</i>	1.19	
		<i>For &gt;100 To 300, Add</i>	0.60	
09 64 29 00-0008	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring .....	8.91	1.05
		<i>For Factory Finish, Add</i>	0.42	
		<i>For Random Width Floor, Add</i>	1.99	
		<i>For Up To 20, Add</i>	3.46	
		<i>For &gt;20 To 50, Add</i>	1.83	
		<i>For &gt;50 To 100, Add</i>	0.92	
		<i>For &gt;100 To 300, Add</i>	0.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 64 29 00-0009	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	9.32	1.05
		<i>For Factory Finish, Add</i>	0.46	
		<i>For Random Width Floor, Add</i>	2.09	
		<i>For Up To 20, Add</i>	3.52	
		<i>For &gt;20 To 50, Add</i>	1.87	
		<i>For &gt;50 To 100, Add</i>	0.94	
		<i>For &gt;100 To 300, Add</i>	0.47	
09 64 29 00-0010	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	10.13	1.05
		<i>For Factory Finish, Add</i>	0.54	
		<i>For Random Width Floor, Add</i>	2.30	
		<i>For Up To 20, Add</i>	3.64	
		<i>For &gt;20 To 50, Add</i>	1.96	
		<i>For &gt;50 To 100, Add</i>	0.98	
		<i>For &gt;100 To 300, Add</i>	0.49	

**09 64 29 00-0011 Unfinished Red Oak, Wood Strip Flooring** (09 64 29 00-0003)

09 64 29 00-0012	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	10.27	1.05
		<i>For Factory Finish, Add</i>	0.41	
		<i>For Random Width Floor, Add</i>	2.26	
		<i>For Up To 20, Add</i>	4.31	
		<i>For &gt;20 To 50, Add</i>	2.26	
		<i>For &gt;50 To 100, Add</i>	1.13	
		<i>For &gt;100 To 300, Add</i>	0.56	
09 64 29 00-0013	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	10.79	1.05
		<i>For Factory Finish, Add</i>	0.46	
		<i>For Random Width Floor, Add</i>	2.39	
		<i>For Up To 20, Add</i>	4.39	
		<i>For &gt;20 To 50, Add</i>	2.31	
		<i>For &gt;50 To 100, Add</i>	1.16	
		<i>For &gt;100 To 300, Add</i>	0.58	
09 64 29 00-0014	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	11.58	1.05
		<i>For Factory Finish, Add</i>	0.54	
		<i>For Random Width Floor, Add</i>	2.59	
		<i>For Up To 20, Add</i>	4.51	
		<i>For &gt;20 To 50, Add</i>	2.39	
		<i>For &gt;50 To 100, Add</i>	1.20	
		<i>For &gt;100 To 300, Add</i>	0.60	
09 64 29 00-0015	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	8.99	1.05
		<i>For Factory Finish, Add</i>	0.43	
		<i>For Random Width Floor, Add</i>	2.01	
		<i>For Up To 20, Add</i>	3.47	
		<i>For &gt;20 To 50, Add</i>	1.84	
		<i>For &gt;50 To 100, Add</i>	0.92	
		<i>For &gt;100 To 300, Add</i>	0.46	
09 64 29 00-0016	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	9.52	1.05
		<i>For Factory Finish, Add</i>	0.48	
		<i>For Random Width Floor, Add</i>	2.14	
		<i>For Up To 20, Add</i>	3.55	
		<i>For &gt;20 To 50, Add</i>	1.89	
		<i>For &gt;50 To 100, Add</i>	0.95	
		<i>For &gt;100 To 300, Add</i>	0.47	
09 64 29 00-0017	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	10.22	1.05
		<i>For Factory Finish, Add</i>	0.55	
		<i>For Random Width Floor, Add</i>	2.32	
		<i>For Up To 20, Add</i>	3.65	
		<i>For &gt;20 To 50, Add</i>	1.96	
		<i>For &gt;50 To 100, Add</i>	0.98	
		<i>For &gt;100 To 300, Add</i>	0.49	

**09 64 29 00-0018 Unfinished Maple, Wood Strip Flooring** (09 64 29)

**09 64 29 00-0019 25/32" Thick, Unfinished Maple, Wood Strip Flooring** (09 64 29 00-0018)

09 64 29 00-0020	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	12.19	1.05
		<i>For Factory Finish, Add</i>	0.60	
		<i>For Random Width Floor, Add</i>	2.74	
		<i>For Up To 20, Add</i>	4.60	
		<i>For &gt;20 To 50, Add</i>	2.45	
		<i>For &gt;50 To 100, Add</i>	1.23	
		<i>For &gt;100 To 300, Add</i>	0.61	
09 64 29 00-0021	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	11.32	1.05
		<i>For Factory Finish, Add</i>	0.52	
		<i>For Random Width Floor, Add</i>	2.52	
		<i>For Up To 20, Add</i>	4.47	
		<i>For &gt;20 To 50, Add</i>	2.36	
		<i>For &gt;50 To 100, Add</i>	1.18	
		<i>For &gt;100 To 300, Add</i>	0.59	
09 64 29 00-0022	SF	3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	11.09	1.05
		<i>For Factory Finish, Add</i>	0.64	
		<i>For Random Width Floor, Add</i>	2.54	
		<i>For Up To 20, Add</i>	3.78	
		<i>For &gt;20 To 50, Add</i>	2.05	
		<i>For &gt;50 To 100, Add</i>	1.03	
		<i>For &gt;100 To 300, Add</i>	0.51	

**09 Finishes**

**09 60 Flooring**

**09 64 Wood Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0023	SF		3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring .....	10.22	1.05
			<i>For Factory Finish, Add</i>	0.55	
			<i>For Random Width Floor, Add</i>	2.32	
			<i>For Up To 20, Add</i>	3.65	
			<i>For &gt;20 To 50, Add</i>	1.96	
			<i>For &gt;50 To 100, Add</i>	0.98	
			<i>For &gt;100 To 300, Add</i>	0.49	
<b>09 64 29 00-0024</b>			<b>33/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)</b>		
09 64 29 00-0025	SF		2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring .....	14.08	1.05
			<i>For Factory Finish, Add</i>	0.79	
			<i>For Random Width Floor, Add</i>	3.21	
			<i>For Up To 20, Add</i>	4.88	
			<i>For &gt;20 To 50, Add</i>	2.64	
			<i>For &gt;50 To 100, Add</i>	1.32	
			<i>For &gt;100 To 300, Add</i>	0.66	
09 64 29 00-0026	SF		2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring .....	12.91	1.05
			<i>For Factory Finish, Add</i>	0.68	
			<i>For Random Width Floor, Add</i>	2.92	
			<i>For Up To 20, Add</i>	4.71	
			<i>For &gt;20 To 50, Add</i>	2.52	
			<i>For &gt;50 To 100, Add</i>	1.26	
			<i>For &gt;100 To 300, Add</i>	0.63	
09 64 29 00-0027	SF		3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring .....	13.10	1.05
			<i>For Factory Finish, Add</i>	0.84	
			<i>For Random Width Floor, Add</i>	3.04	
			<i>For Up To 20, Add</i>	4.08	
			<i>For &gt;20 To 50, Add</i>	2.25	
			<i>For &gt;50 To 100, Add</i>	1.13	
			<i>For &gt;100 To 300, Add</i>	0.56	
09 64 29 00-0028	SF		3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring .....	11.93	1.05
			<i>For Factory Finish, Add</i>	0.72	
			<i>For Random Width Floor, Add</i>	2.75	
			<i>For Up To 20, Add</i>	3.91	
			<i>For &gt;20 To 50, Add</i>	2.14	
			<i>For &gt;50 To 100, Add</i>	1.07	
			<i>For &gt;100 To 300, Add</i>	0.53	
<b>09 64 29 00-0029</b>			<b>Prefinished Engineered Wood Flooring (09 64 29)</b>		
			Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.		
09 64 29 00-0030	SF		1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring .....	12.86	1.05
			<i>For Up To 20, Add</i>	3.78	
			<i>For &gt;20 To 50, Add</i>	2.11	
			<i>For &gt;50 To 100, Add</i>	1.05	
			<i>For &gt;100 To 300, Add</i>	0.53	
09 64 29 00-0031	SF		1/2" Thick, White Oak, Prefinished Engineered Wood Flooring .....	12.86	1.05
			<i>For Up To 20, Add</i>	3.78	
			<i>For &gt;20 To 50, Add</i>	2.11	
			<i>For &gt;50 To 100, Add</i>	1.05	
			<i>For &gt;100 To 300, Add</i>	0.53	
09 64 29 00-0032	SF		1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring .....	12.48	1.05
			<i>For Up To 20, Add</i>	3.72	
			<i>For &gt;20 To 50, Add</i>	2.07	
			<i>For &gt;50 To 100, Add</i>	1.04	
			<i>For &gt;100 To 300, Add</i>	0.52	
09 64 29 00-0033	SF		1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring .....	12.77	1.05
			<i>For Up To 20, Add</i>	3.77	
			<i>For &gt;20 To 50, Add</i>	2.10	
			<i>For &gt;50 To 100, Add</i>	1.05	
			<i>For &gt;100 To 300, Add</i>	0.52	
<b>09 64 33</b>			<b>Laminated Wood Flooring (09 64)</b>		
<b>09 64 33 00-0001</b>			<b>Laminate Flooring Without Underlayment (09 64 33)</b>		
09 64 33 00-0002	SF		Laminate Floor, Blocked - Beech, Oak, Red Oak, And Dark Cherry .....	12.27	3.34
09 64 33 00-0003	SF		Laminate Floor, Mature Pine, Light Maple .....	12.87	3.34
			Note: Planked - cherry, and oak.		
09 64 33 00-0004	SF		10mm x 11.57" x 46.3" Laminate Flooring .....	13.80	1.78
			Note: DuPont Saltillo		
			<i>For Up To 50, Add</i>	8.79	
			<i>For &gt;50 To 250, Add</i>	1.42	
			<i>For &gt;1,000, Deduct</i>	-0.71	
<b>09 64 33 00-0005</b>			<b>Laminate Flooring With Underlayment (09 64 33)</b>		
09 64 33 00-0006	SF		Laminate Floor, With Attached Underlayment, Antique Amber Oak .....	14.14	3.34
			Note: Also comes in Rustic Red Oak.		
09 64 33 00-0007	SF		Laminate Floor, With Attached Underlayment, Renovation Pine .....	14.71	3.34
			Note: Also comes in Weathered Wheat Oak.		
<b>09 64 33 00-0008</b>			<b>Sound Control Matting (09 64 33)</b>		
09 64 33 00-0009	SF		Sound Control Matting .....	2.73	0.49

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**09 64 53 Resilient Wood Flooring Assemblies (09 64)**

**09 64 53 00-0001 Stage Floors (09 64 53)**

Note: Includes shims, sleepers and/or screeds, damp proofing membrane, and finish.  
 09 64 53 00-0002 SF 1-1/2" Thick Tongue And Groove Resilient Wood Stage Flooring.....39.43 10.48  
 Note: Includes 6 mil polyethylene damp proofing membrane, 3/8" thick hollow rubber or neoprene resilient mounts, 1-1/2" thick x 3" wide wood sleepers, 1-1/2" thick fiberglass insulation board between sleepers, fasteners, wood filler, and finish.

**09 64 53 00-0003 Dance And Aerobic Floors (09 64 53)**

Note: Includes vapor barrier, resilient pads, sub-floor, and finish.  
 09 64 53 00-0004 SF 25/32" x 2-1/4" Resilient Wood Dance Or Aerobic Flooring .....35.49 7.59  
 Note: Tongue and groove, northern hard maple. Includes 6 mil polyethylene vapor barrier, 3/4" thick hemispherical two stage polyurethane resilient pads, 2 layers of 15/32" subflooring, fasteners, wood filler and seven-coat finish.

**09 64 66 Wood Athletic Flooring (09 64)**

Note: On shims, sleepers and/or screeds. 1-1/2" or 2-1/4" widths. Excludes finish.

**09 64 66 00-0001 Wood Gym/Stage/Dance Floors (09 64 66)**

Note: Includes sanding and vent cove base. Excludes concrete repairs to subbase, thresholds, and finishing.  
 09 64 66 00-0002 SF 25/32" Maple Wood Gym/Stage/Dance Floor .....13.22 5.24  
 For Oak Or Birch, Deduct -0.20  
 For Pine, Deduct -0.30  
 For #1 Grade Material, Add 0.50  
 09 64 66 00-0003 SF Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion).....17.50 6.82  
 Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.  
 For Oak Or Birch, Deduct -0.20  
 For Pine, Deduct -0.30  
 For #1 Grade Material, Add 0.50  
 09 64 66 00-0004 SF Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok).....18.35 6.82  
 Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.  
 For Oak Or Birch, Deduct -0.20  
 For Pine, Deduct -0.30  
 For #1 Grade Material, Add 0.50  
 09 64 66 00-0005 SF Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex).....20.09 6.82  
 Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.  
 For Oak Or Birch, Deduct -0.20  
 For Pine, Deduct -0.30  
 For #1 Grade Material, Add 0.50  
 09 64 66 00-0006 SF Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus).....19.28 6.82  
 Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.  
 For Oak Or Birch, Deduct -0.20  
 For Pine, Deduct -0.30  
 For #1 Grade Material, Add 0.50  
 09 64 66 00-0007 SF Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock).....22.13 6.82  
 Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.  
 For Oak Or Birch, Deduct -0.20  
 For Pine, Deduct -0.30  
 For #1 Grade Material, Add 0.50

**09 65 Resilient Flooring (09 60)**

See CSI section 03 54 16 00-0001 for self leveling underlayment for uneven floors.

**09 65 13 Resilient Base and Accessories (09 65)**

**09 65 13 13 Resilient Base (09 65 13)**

**09 65 13 13-0001 Type TV Thermoplastic Vinyl Wall Base (09 65 13 13)**

Note: Includes inside and outside corners.  
 09 65 13 13-0002 LF 2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors .....2.98 0.80  
 For Up To 20, Add 1.08  
 For >20 To 40, Add 0.61  
 For >40 To 80, Add 0.23  
 For >240 To 960, Deduct -0.22  
 For >960, Deduct -0.33  
 09 65 13 13-0003 LF 4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors .....3.51 0.80  
 For Up To 20, Add 1.16  
 For >20 To 40, Add 0.67  
 For >40 To 80, Add 0.25  
 For >240 To 960, Deduct -0.27  
 For >960, Deduct -0.41  
 09 65 13 13-0004 LF 6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors .....4.65 0.80  
 For Up To 20, Add 1.33  
 For >20 To 40, Add 0.78  
 For >40 To 80, Add 0.31  
 For >240 To 960, Deduct -0.39  
 For >960, Deduct -0.58

**09 Finishes****09 60 Flooring****09 65 Resilient Flooring**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 65 13 13-0005	<b>Type TP Thermoplastic Rubber Wall Base</b> <small>(09 65 13 13)</small> Note: Includes inside and outside corners.		
09 65 13 13-0006	LF 2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors.....	3.32	0.80
	For Up To 20, Add	1.13	
	For >20 To 40, Add	0.65	
	For >40 To 80, Add	0.25	
	For >240 To 960, Deduct	-0.25	
	For >960, Deduct	-0.38	
09 65 13 13-0007	LF 4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors.....	3.72	0.80
	For Up To 20, Add	1.19	
	For >20 To 40, Add	0.69	
	For >40 To 80, Add	0.27	
	For >240 To 960, Deduct	-0.29	
	For >960, Deduct	-0.44	
09 65 13 13-0008	LF 6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors.....	4.82	0.80
	For Up To 20, Add	1.36	
	For >20 To 40, Add	0.80	
	For >40 To 80, Add	0.32	
	For >240 To 960, Deduct	-0.40	
	For >960, Deduct	-0.60	
09 65 13 13-0009	LF 2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors.....	6.37	0.80
	For Up To 20, Add	1.59	
	For >20 To 40, Add	0.95	
	For >40 To 80, Add	0.40	
	For >240 To 960, Deduct	-0.56	
	For >960, Deduct	-0.84	
09 65 13 13-0010	LF 3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors.....	6.70	0.80
	For Up To 20, Add	1.64	
	For >20 To 40, Add	0.99	
	For >40 To 80, Add	0.41	
	For >240 To 960, Deduct	-0.59	
	For >960, Deduct	-0.89	
09 65 13 13-0011	LF 4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors.....	8.44	0.80
	For Up To 20, Add	1.90	
	For >20 To 40, Add	1.16	
	For >40 To 80, Add	0.50	
	For >240 To 960, Deduct	-0.77	
	For >960, Deduct	-1.15	
09 65 13 13-0012	LF 6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors.....	11.88	0.80
	For Up To 20, Add	2.41	
	For >20 To 40, Add	1.50	
	For >40 To 80, Add	0.67	
	For >240 To 960, Deduct	-1.11	
	For >960, Deduct	-1.66	
09 65 13 13-0013	<b>Type TS Thermoset Vulcanized Rubber Wall Base</b> <small>(09 65 13 13)</small> Note: Includes inside and outside corners.		
09 65 13 13-0014	LF 2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors.....	3.76	0.95
	For Up To 20, Add	1.20	
	For >20 To 40, Add	0.69	
	For >40 To 80, Add	0.27	
	For >240 To 960, Deduct	-0.30	
	For >960, Deduct	-0.45	
09 65 13 13-0015	LF 4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors.....	3.78	0.80
	For Up To 20, Add	1.20	
	For >20 To 40, Add	0.69	
	For >40 To 80, Add	0.27	
	For >240 To 960, Deduct	-0.30	
	For >960, Deduct	-0.45	
09 65 13 13-0016	LF 6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors.....	5.71	0.95
	For Up To 20, Add	1.62	
	For >20 To 40, Add	0.95	
	For >40 To 80, Add	0.38	
	For >240 To 960, Deduct	-0.48	
	For >960, Deduct	-0.71	
09 65 13 23	<b>Resilient Stair Treads and Risers</b> <small>(09 65 13)</small> Note: All treads have integral nosing. Abrasive strip modifiers include either 1 or 2 strips running the length of the tread. All colors.		
09 65 13 23-0001	<b>Rubber Stair Treads and Risers</b> <small>(09 65 13 23)</small>		
09 65 13 23-0002	<b>Raised Disc Or Other Patterned Rubber Stair Tread</b> <small>(09 65 13 23-0001)</small>		
09 65 13 23-0003	LF 3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread.....	12.47	1.27
	Note: Raised disc or other pattern.		
	For Abrasive Strip, Add	2.75	
	For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0004	LF 1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread.....	13.39	1.36
	Note: Raised disc or other pattern.		
	For Abrasive Strip, Add	2.75	
	For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0005	LF 5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread.....	16.43	1.46
	Note: Raised disc or other pattern.		
	For Abrasive Strip, Add	2.75	
	For Photo Luminescent Abrasive Strip, Add	3.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>09 65 13 23-0006</b>	<b>Smooth Surface Rubber Stair Tread</b> (09 65 13 23-0001)		
09 65 13 23-0007	LF 3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread ..... Note: Smooth surface. <i>For Abrasive Strip, Add</i> <i>For Photo Luminescent Abrasive Strip, Add</i>	11.69  2.75 3.75	1.27
09 65 13 23-0008	LF 1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread ..... Note: Smooth surface. <i>For Abrasive Strip, Add</i> <i>For Photo Luminescent Abrasive Strip, Add</i>	12.34  2.75 3.75	1.36
09 65 13 23-0009	LF 5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread ..... Note: Smooth surface. <i>For Abrasive Strip, Add</i> <i>For Photo Luminescent Abrasive Strip, Add</i>	15.27  2.75 3.75	1.46

<b>09 65 13 23-0010</b>	<b>Smooth Surface Rubber Stair Riser</b> (09 65 13 23-0001)		
09 65 13 23-0011	LF 1/8" Thick, Smooth Surface Rubber Stair Riser .....	6.82	0.76

<b>09 65 13 23-0012</b>	<b>Smooth, Raised Disc or Other Patterned Rubber Landing Mats</b> (09 65 13 23-0001)		
09 65 13 23-0013	SF 1/8" Thick, Rubber Landing Mats ..... Note: Smooth, raised disc or other patterned surface.	18.10	1.17
09 65 13 23-0014	SF 3/16" Thick, Rubber Landing Mats ..... Note: Smooth, raised disc or other patterned surface.	21.71	1.27
09 65 13 23-0015	SF 7/32" Thick, Rubber Landing Mats ..... Note: Smooth, raised disc or other patterned surface.	23.49	1.42

<b>09 65 13 23-0016</b>	<b>Vinyl Stair Treads and Risers</b> (09 65 13 23)		
<b>09 65 13 23-0017</b>	<b>Ribbed Vinyl Stair Tread</b> (09 65 13 23-0016)		
09 65 13 23-0018	LF 1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread ..... <i>For Abrasive Strip, Add</i>	12.15 2.75	1.15
09 65 13 23-0019	LF 3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread ..... <i>For Abrasive Strip, Add</i>	13.42 2.75	1.27
09 65 13 23-0020	LF 1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread ..... <i>For Abrasive Strip, Add</i>	16.23 2.75	1.37

<b>09 65 13 23-0021</b>	<b>Smooth Surface Vinyl Stair Riser</b> (09 65 13 23-0016)		
09 65 13 23-0022	LF 1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser.....	6.68	0.76

**09 65 13 33 Resilient Accessories** (09 65 13)

<b>09 65 13 33-0001</b>	<b>Flexible Self Leveling Cementitious Underlayers</b> (09 65 13 33)		
09 65 13 33-0002	SF 1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers .....	1.21	0.64
09 65 13 33-0003	SF 1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers .....	1.87	0.64

<b>09 65 13 33-0004</b>	<b>Concrete Floor Prep</b> (09 65 13 33)		
09 65 13 33-0005	SF Removal Of Glue From Concrete Floor..... Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.	0.80	

**09 65 13 36 Resilient Carpet Transitions** (09 65 13)

<b>09 65 13 36-0001</b>	<b>Vinyl Transition Strip</b> (09 65 13 36)		
09 65 13 36-0002	LF Vinyl Transition Strip, Brown Or Black ..... <i>For &gt;240 To 960, Deduct</i> <i>For &gt;960, Deduct</i>	1.75 -0.14 -0.20	0.58
09 65 13 36-0003	LF Vinyl Floor Tile Reducer Strip, Brown Or Black..... <i>For &gt;240 To 960, Deduct</i> <i>For &gt;960, Deduct</i>	1.55 -0.12 -0.17	0.58
09 65 13 36-0004	LF Vinyl Floor Tile Feature Strip, Brown Or Black..... <i>For &gt;240 To 960, Deduct</i> <i>For &gt;960, Deduct</i>	1.30 -0.09 -0.14	0.58
09 65 13 36-0005	LF 1/4" To 1/8" Material, Narrow, Vinyl, Slim Line Transition (Johnsonite SLT-XX-A) ..... <i>For Up To 20, Add</i> <i>For &gt;20 To 40, Add</i> <i>For &gt;40 To 80, Add</i> <i>For &gt;240 To 960, Deduct</i> <i>For &gt;960, Deduct</i>	2.11 0.82 0.47 0.17 -0.15 -0.22	0.80

<b>09 65 13 36-0006</b>	<b>Vinyl, Wheeled Traffic Transitions</b> (09 65 13 36)		
09 65 13 36-0007	LF 1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A)..... <i>For Up To 20, Add</i> <i>For &gt;20 To 40, Add</i> <i>For &gt;40 To 80, Add</i> <i>For &gt;240 To 960, Deduct</i> <i>For &gt;960, Deduct</i>	2.65 0.91 0.52 0.20 -0.20 -0.30	0.80

## 09 Finishes

## 09 60 Flooring

## 09 65 Resilient Flooring

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65	13 36-0008	LF	1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C).....	2.65	0.80
			For Up To 20, Add	0.91	
			For >20 To 40, Add	0.52	
			For >40 To 80, Add	0.20	
			For >240 To 960, Deduct	-0.20	
			For >960, Deduct	-0.30	
09 65	13 36-0009	LF	5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D) .....	3.27	0.80
			For Up To 20, Add	1.00	
			For >20 To 40, Add	0.58	
			For >40 To 80, Add	0.23	
			For >240 To 960, Deduct	-0.26	
			For >960, Deduct	-0.40	
09 65	13 36-0010	LF	1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H).....	5.44	0.80
			For Up To 20, Add	1.32	
			For >20 To 40, Add	0.80	
			For >40 To 80, Add	0.34	
			For >240 To 960, Deduct	-0.48	
			For >960, Deduct	-0.72	
09 65	13 36-0011	LF	1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL).....	5.46	0.80
			For Up To 20, Add	1.33	
			For >20 To 40, Add	0.80	
			For >40 To 80, Add	0.34	
			For >240 To 960, Deduct	-0.48	
			For >960, Deduct	-0.72	
09 65	13 36-0012	LF	1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT).....	3.59	0.80
			For Up To 20, Add	1.05	
			For >20 To 40, Add	0.61	
			For >40 To 80, Add	0.24	
			For >240 To 960, Deduct	-0.30	
			For >960, Deduct	-0.44	
09 65	13 36-0013	LF	1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J) .....	5.30	0.80
			For Up To 20, Add	1.30	
			For >20 To 40, Add	0.78	
			For >40 To 80, Add	0.33	
			For >240 To 960, Deduct	-0.47	
			For >960, Deduct	-0.70	
09 65	13 36-0014	LF	1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL).....	5.50	0.80
			For Up To 20, Add	1.33	
			For >20 To 40, Add	0.80	
			For >40 To 80, Add	0.34	
			For >240 To 960, Deduct	-0.49	
			For >960, Deduct	-0.73	
09 65	13 36-0015	LF	3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K).....	4.62	0.80
			For Up To 20, Add	1.20	
			For >20 To 40, Add	0.72	
			For >40 To 80, Add	0.29	
			For >240 To 960, Deduct	-0.40	
			For >960, Deduct	-0.60	
09 65	13 36-0016	LF	3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L) .....	5.05	0.80
			For Up To 20, Add	1.27	
			For >20 To 40, Add	0.76	
			For >40 To 80, Add	0.32	
			For >240 To 960, Deduct	-0.44	
			For >960, Deduct	-0.66	
09 65	13 36-0017	LF	1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M) .....	5.50	0.80
			For Up To 20, Add	1.33	
			For >20 To 40, Add	0.80	
			For >40 To 80, Add	0.34	
			For >240 To 960, Deduct	-0.49	
			For >960, Deduct	-0.73	
09 65	13 36-0018	LF	1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N).....	4.54	0.80
			For Up To 20, Add	1.19	
			For >20 To 40, Add	0.71	
			For >40 To 80, Add	0.29	
			For >240 To 960, Deduct	-0.39	
			For >960, Deduct	-0.59	
09 65	13 36-0019	LF	3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P).....	3.82	0.80
			For Up To 20, Add	1.08	
			For >20 To 40, Add	0.64	
			For >40 To 80, Add	0.25	
			For >240 To 960, Deduct	-0.32	
			For >960, Deduct	-0.48	
09 65	13 36-0020	LF	3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL).....	5.65	0.80
			For Up To 20, Add	1.36	
			For >20 To 40, Add	0.82	
			For >40 To 80, Add	0.35	
			For >240 To 960, Deduct	-0.50	
			For >960, Deduct	-0.75	
09 65	13 36-0021	LF	1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q).....	7.30	0.80
			For Up To 20, Add	1.60	
			For >20 To 40, Add	0.98	
			For >40 To 80, Add	0.43	
			For >240 To 960, Deduct	-0.67	
			For >960, Deduct	-1.00	
09 65	13 36-0022	LF	0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X).....	3.71	0.80
			For Up To 20, Add	1.06	
			For >20 To 40, Add	0.63	
			For >40 To 80, Add	0.25	
			For >240 To 960, Deduct	-0.31	
			For >960, Deduct	-0.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0023	LF		0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y).....	3.77	0.80
			<i>For Up To 20, Add</i>	1.07	
			<i>For &gt;20 To 40, Add</i>	0.63	
			<i>For &gt;40 To 80, Add</i>	0.25	
			<i>For &gt;240 To 960, Deduct</i>	-0.31	
			<i>For &gt;960, Deduct</i>	-0.47	
09 65 13 36-0024	LF		0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z).....	4.28	0.80
			<i>For Up To 20, Add</i>	1.15	
			<i>For &gt;20 To 40, Add</i>	0.68	
			<i>For &gt;40 To 80, Add</i>	0.28	
			<i>For &gt;240 To 960, Deduct</i>	-0.36	
			<i>For &gt;960, Deduct</i>	-0.55	
<b>09 65 16 Resilient Sheet Flooring (09 65)</b>					
Note: Includes mastic and cleaning floor after installation is complete.					
<b>09 65 16 23 Vinyl Sheet Flooring (09 65 16)</b>					
<b>09 65 16 23-0001 Vinyl Sheet Flooring (09 65 16 23)</b>					
Note: For flash cove application, add additional square foot of material to form cove base.					
09 65 16 23-0002	SF		0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medintech®).....	7.65	0.47
			<i>For Up To 40, Add</i>	2.79	
			<i>For &gt;40 To 100, Add</i>	1.40	
			<i>For &gt;1,000, Deduct</i>	-0.67	
09 65 16 23-0003	SF		0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medley™).....	6.22	0.47
			<i>For Up To 40, Add</i>	2.51	
			<i>For &gt;40 To 100, Add</i>	1.25	
			<i>For &gt;1,000, Deduct</i>	-0.53	
09 65 16 23-0004	SF		0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Connection Corlon®).....	4.00	0.47
			<i>For Up To 40, Add</i>	2.06	
			<i>For &gt;40 To 100, Add</i>	1.03	
			<i>For &gt;1,000, Deduct</i>	-0.30	
09 65 16 23-0005	SF		0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Possibilities® Petit Point™).....	5.24	0.47
			<i>For Up To 40, Add</i>	2.31	
			<i>For &gt;40 To 100, Add</i>	1.15	
			<i>For &gt;1,000, Deduct</i>	-0.43	
09 65 16 23-0006	SF		0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring (Armstrong® Medintech Tandem®).....	7.08	0.47
			<i>For Up To 40, Add</i>	2.68	
			<i>For &gt;40 To 100, Add</i>	1.34	
			<i>For &gt;1,000, Deduct</i>	-0.61	
09 65 16 23-0007	SF		0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring (Armstrong® Safeguard®).....	9.85	0.47
			<i>For Up To 40, Add</i>	3.23	
			<i>For &gt;40 To 100, Add</i>	1.62	
			<i>For &gt;1,000, Deduct</i>	-0.89	
<b>09 65 16 23-0008 Heat Welding Vinyl Sheet Flooring Seams (09 65 16 23)</b>					
Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.					
09 65 16 23-0009	LF		Heat Weld Non-Patterned Vinyl Sheet Flooring Seams.....	4.51	
09 65 16 23-0010	LF		Heat Weld Patterned Vinyl Sheet Flooring Seams.....	4.82	
<b>09 65 16 23-0011 Forming Vinyl Sheet Flooring Inside/Outside Cove Corners (09 65 16 23)</b>					
Note: Excludes heat welding.					
09 65 16 23-0012	EA		Forming Vinyl Sheet Flooring Inside/Outside Cove Corners.....	10.57	
<b>09 65 16 23-0013 Vinyl Sheet Flooring Accessories (09 65 16 23)</b>					
09 65 16 23-0014	LF		1/2" Radius Vinyl Cove Filler Strip.....	2.91	
09 65 16 23-0015	LF		1-1/4" Radius Vinyl Cove Filler Strip.....	2.59	
09 65 16 23-0016	LF		1-1/2" Radius Vinyl Cove Filler Strip.....	4.02	
09 65 16 23-0017	LF		1/8" Aluminum Cove Cap.....	1.98	
<b>09 65 19 Resilient Tile Flooring (09 65)</b>					
Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.					
<b>09 65 19 19 Vinyl Composition Tile Flooring (09 65 19)</b>					
<b>09 65 19 19-0001 Vinyl Composition Tile (VCT) (09 65 19 19)</b>					
Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.					
09 65 19 19-0002	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®).....	2.82	0.95
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.06	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.15	
			<i>For &gt;6,000, Deduct</i>	-0.27	
			<i>For 3/32" Thick, Deduct</i>	-0.17	
			<i>For Extra Stock, Material Only, Deduct</i>	-1.11	
			<i>For Wax And Polish, Add</i>	0.42	

**09 Finishes****09 60 Flooring****09 65 Resilient Flooring**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 65 19 19-0003	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™) .....	2.71	0.95
	For >1,000 To 3,000, Deduct	-0.06	
	For >3,000 To 6,000, Deduct	-0.15	
	For >6,000, Deduct	-0.27	
	For Extra Stock, Material Only, Deduct	-1.11	
	For Wax And Polish, Add	0.42	
09 65 19 19-0004	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®).....	2.71	0.95
	For >1,000 To 3,000, Deduct	-0.06	
	For >3,000 To 6,000, Deduct	-0.15	
	For >6,000, Deduct	-0.27	
	For Extra Stock, Material Only, Deduct	-1.11	
	For Wax And Polish, Add	0.42	
09 65 19 19-0005	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™).....	4.18	0.95
	For >1,000 To 3,000, Deduct	-0.09	
	For >3,000 To 6,000, Deduct	-0.21	
	For >6,000, Deduct	-0.36	
	For Extra Stock, Material Only, Deduct	-1.11	
	For Wax And Polish, Add	0.42	
09 65 19 19-0006	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®).....	4.20	0.95
	For >1,000 To 3,000, Deduct	-0.09	
	For >3,000 To 6,000, Deduct	-0.21	
	For >6,000, Deduct	-0.36	
	For Extra Stock, Material Only, Deduct	-1.11	
	For Wax And Polish, Add	0.42	
09 65 19 19-0007	SF 1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®) .....	4.48	0.95
	For >1,000 To 3,000, Deduct	-0.10	
	For >3,000 To 6,000, Deduct	-0.22	
	For >6,000, Deduct	-0.37	
	For Extra Stock, Material Only, Deduct	-1.11	
	For Wax And Polish, Add	0.42	
09 65 19 19-0008	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®).....	4.52	0.95
	For >1,000 To 3,000, Deduct	-0.10	
	For >3,000 To 6,000, Deduct	-0.22	
	For >6,000, Deduct	-0.38	
	For Extra Stock, Material Only, Deduct	-1.11	
	For Wax And Polish, Add	0.42	
09 65 19 19-0009	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™) .....	4.70	0.95
	For >1,000 To 3,000, Deduct	-0.10	
	For >3,000 To 6,000, Deduct	-0.23	
	For >6,000, Deduct	-0.39	
	For Extra Stock, Material Only, Deduct	-1.11	
	For Wax And Polish, Add	0.42	
09 65 19 19-0010	SF 1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™).....	6.31	0.95
	For >1,000 To 3,000, Deduct	-0.13	
	For >3,000 To 6,000, Deduct	-0.29	
	For >6,000, Deduct	-0.48	
	For Extra Stock, Material Only, Deduct	-1.11	
	For Wax And Polish, Add	0.42	
09 65 19 19-0011	SF 1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™).....	6.94	0.95
	For >1,000 To 3,000, Deduct	-0.14	
	For >3,000 To 6,000, Deduct	-0.32	
	For >6,000, Deduct	-0.52	
	For Extra Stock, Material Only, Deduct	-1.11	
	For Wax And Polish, Add	0.42	
<b>09 65 19 19-0012</b>	<b>Static Dissipative Vinyl Composition Tile (VCT)</b> <small>(09 65 19 19)</small>		
	Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 2 through pattern tile as listed in the task description.		
09 65 19 19-0013	SF 1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™) .....	12.84	0.95
	For >1,000 To 3,000, Deduct	-0.27	
	For >3,000 To 6,000, Deduct	-0.58	
	For >6,000, Deduct	-0.95	
	For Extra Stock, Material Only, Deduct	-1.88	
	For Wax And Polish, Add	0.42	
09 65 19 19-0014	SF 1/8" Thick, Static Dissipative, Solid Vinyl Composition Tile (VCT) (Staticworx, Ameriworx® ESD).....	10.40	0.95
	For Up To 20, Add	2.35	
	For >20 To 40, Add	1.44	
	For >40 To 80, Add	0.62	
	For >1,000 To 3,000, Deduct	-0.22	
	For >3,000 To 6,000, Deduct	-0.49	
	For >6,000, Deduct	-0.80	
	For Extra Stock, Material Only, Deduct	-1.88	
<b>09 65 19 23</b>	<b>Vinyl Tile Flooring</b> <small>(09 65 19)</small>		
09 65 19 23-0001	Vinyl Tile <small>(09 65 19 23)</small>		
	Note: Any size.		
09 65 19 23-0002	Solid Vinyl Tile (SVT) <small>(09 65 19 23-0001)</small>		
	Note: The following solid vinyl tiles are certified to ASTM F 1700.		
09 65 19 23-0003	SF 1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande).....	7.60	0.95
	For Up To 20, Add	1.79	
	For >20 To 40, Add	1.08	
	For >40 To 80, Add	0.46	
	For >1,000 To 3,000, Deduct	-0.16	
	For >3,000 To 6,000, Deduct	-0.36	
	For >6,000, Deduct	-0.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0004	SF		1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Karim Kolors).....	7.81	0.95
			<i>For Up To 20, Add</i>	1.82	
			<i>For &gt;20 To 40, Add</i>	1.11	
			<i>For &gt;40 To 80, Add</i>	0.47	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.16	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.37	
			<i>For &gt;6,000, Deduct</i>	-0.61	
09 65 19 23-0005	SF		1/8" Thick, Slip Retardant, Class 1 Type B, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande SR).....	7.97	0.95
			<i>For Up To 20, Add</i>	1.84	
			<i>For &gt;20 To 40, Add</i>	1.12	
			<i>For &gt;40 To 80, Add</i>	0.48	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.17	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.38	
			<i>For &gt;6,000, Deduct</i>	-0.62	
09 65 19 23-0006			<b>Luxury Vinyl Tile (LVT)</b> (09 65 19 23-0001)		
09 65 19 23-0007	SF		2.5mm Thick, Luxury Vinyl Tile (LVT) (Mannington Amtico) .....	8.67	0.95
			<i>For Up To 20, Add</i>	1.95	
			<i>For &gt;20 To 40, Add</i>	1.19	
			<i>For &gt;40 To 80, Add</i>	0.51	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.18	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.40	
			<i>For &gt;6,000, Deduct</i>	-0.67	
09 65 19 33			<b>Rubber Tile Flooring</b> (09 65 19)		
09 65 19 33-0001			<b>Rubber Tile</b> (09 65 19 33)		
09 65 19 33-0002			<b>Rubber Tile With Raised Discs, Assorted Colors</b> (09 65 19 33-0001)		
09 65 19 33-0003	SF		1/8" Thick Rubber Tile With Raised Discs.....	15.85	0.58
			Note: Smooth, raised disc or other patterned surface.		
			<i>For Up To 100, Add</i>	0.85	
09 65 19 33-0004	SF		3/16" Thick Rubber Tile With Raised Discs.....	19.24	0.64
			Note: Smooth, raised disc or other patterned surface.		
			<i>For Up To 100, Add</i>	1.03	
09 65 19 33-0005	SF		7/32" Thick Rubber Tile With Raised Discs.....	21.35	0.76
			Note: Smooth, raised disc or other patterned surface.		
			<i>For Up To 100, Add</i>	1.14	
09 65 19 43			<b>Polyester Composition Tile Flooring</b> (09 65 19)		
09 65 19 43-0001			<b>Polyester Composition Floor Tile</b> (09 65 19 43)		
			Note: Any size.		
09 65 19 43-0002	SF		1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®).....	4.28	0.95
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.09	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.21	
			<i>For &gt;6,000, Deduct</i>	-0.36	
			<i>For Extra Stock, Material Only, Deduct</i>	-1.11	
09 65 19 43-0003	SF		1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®).....	4.95	0.95
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.10	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.24	
			<i>For &gt;6,000, Deduct</i>	-0.40	
			<i>For Extra Stock, Material Only, Deduct</i>	-1.11	
09 65 23			<b>Resilient Plank Flooring</b> (09 65)		
			Note: Includes mastic and cleaning floor after installation is complete.		
09 65 23 00-0001			<b>Vinyl Plank Flooring</b> (09 65 23)		
09 65 23 00-0002	SF		0.110" Overall Thickness, 0.012" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™) .....	5.71	0.47
			<i>For Up To 40, Add</i>	2.40	
			<i>For &gt;40 To 100, Add</i>	1.20	
			<i>For &gt;1,000, Deduct</i>	-0.47	
09 65 23 00-0003	SF		0.135" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™) .....	7.23	0.47
			<i>For Up To 40, Add</i>	2.71	
			<i>For &gt;40 To 100, Add</i>	1.35	
			<i>For &gt;1,000, Deduct</i>	-0.63	
09 65 23 00-0004	SF		0.16" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™) .....	8.18	0.47
			<i>For Up To 40, Add</i>	2.90	
			<i>For &gt;40 To 100, Add</i>	1.45	
			<i>For &gt;1,000, Deduct</i>	-0.72	
09 65 43			<b>Linoleum Flooring</b> (09 65)		
			Note: Includes mastic and cleaning floor after installation is complete.		
09 65 43 00-0001			<b>Linoleum Flooring</b> (09 65 43)		
09 65 43 00-0002	SF		Linoleum Tile (Forbo Marmoleum Composition Tile, MCT).....	4.80	0.95
09 65 43 00-0003	SF		2.5 mm, Linoleum Sheet (Forbo Marmoleum).....	3.61	0.47
			<i>For 3.2mm Thickness, Add</i>	0.53	
			<i>For 2mm Thickness, Deduct</i>	-0.25	
09 65 43 00-0004	LF		Heat Weld Linoleum Sheet Flooring Seams .....	4.52	
			Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		

**09 Finishes**

**09 60 Flooring**

**09 65 Resilient Flooring**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**09 65 66 Resilient Athletic Flooring (09 65)**

<b>09 65 66 00-0001</b>	<b>Recycled Rubber, Interlocking Athletic Tiles (09 65 66)</b>		
09 65 66 00-0002	SF 3/8" Height, Recycled Rubber, Interlocking Athletic Tile .....	5.26	0.44
	<i>For Colors, Add</i>	0.92	
09 65 66 00-0003	SF 1/2" Height, Recycled Rubber, Interlocking Athletic Tile .....	6.11	0.56
	<i>For Colors, Add</i>	1.06	
09 65 66 00-0004	SF 3/4" Height, Recycled Rubber, Interlocking Athletic Tile .....	7.05	0.89
	<i>For Colors, Add</i>	1.16	
09 65 66 00-0005	SF 1" Height, Recycled Rubber, Interlocking Athletic Tile .....	10.27	1.08
	<i>For Colors, Add</i>	1.75	
<b>09 65 66 00-0006</b>	<b>Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tiles (09 65 66)</b>		
09 65 66 00-0007	SF 3/8" Height, Black Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-155) .....	28.35	0.44
	<i>For Colors, Add</i>	3.46	
09 65 66 00-0008	SF 9/16" Height, Black Raised Squares Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-100) .....	41.05	0.44
	<i>For Colors, Add</i>	5.05	
09 65 66 00-0009	SF 3/8" Height, Black Raised Discs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-100) .....	29.94	0.44
	<i>For Colors, Add</i>	3.66	
09 65 66 00-0010	SF 9/16" Height, Black Raised Nubs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-200) .....	36.87	0.44
	<i>For Colors, Add</i>	4.53	
09 65 66 00-0011	SF 7/16" Height, Black Reversible Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling FL-150) .....	30.80	0.44
	<i>For Colors, Add</i>	3.77	
<b>09 65 66 00-0012</b>	<b>Sheet Goods For Gym (09 65 66)</b>		
09 65 66 00-0013	SF 1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor .....	13.94	1.91
09 65 66 00-0014	SF 9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor .....	14.76	1.97
09 65 66 00-0015	SF 3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor .....	15.50	2.03
09 65 66 00-0016	SF 1/8" Rubber Sheet Good For Gym Floor Base .....	3.74	1.55
09 65 66 00-0017	SF 3/16" Rubber Sheet Good For Gym Floor Base .....	4.18	1.78
09 65 66 00-0018	SF 1/4" Rubber Sheet Good For Gym Floor Base .....	4.88	1.91
09 65 66 00-0019	SF 3/8" Rubber Sheet Good For Gym Floor Base .....	5.39	2.03
09 65 66 00-0020	SF 1/2" Rubber Sheet Good For Gym Floor Base .....	5.72	2.16
<b>09 65 66 00-0021</b>	<b>Polyurethane Floor Systems (09 65 66)</b>		
	See CSI section 09 93 23 53-0015 for game lines.		
09 65 66 00-0022	SF 9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic) .....	16.01	1.27

**09 66 Terrazzo Flooring (09 60)**

**09 66 13 Portland Cement Terrazzo Flooring (09 66)**

Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.

**09 66 13 13 Sand Cushion Terrazzo Flooring (09 66 13)**

<b>09 66 13 13-0001</b>	<b>Floors Not Bonded To Concrete (09 66 13 13)</b>		
	Note: 3" Thick - 5/8" topping and 1/4" sand cushion.		
09 66 13 13-0002	SF Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion .....	28.10	2.78
	<i>For Venetian Type Terrazzo, Add</i>	6.63	
	<i>For Abrasive Heavy Duty Terrazzo, Add</i>	6.63	
	<i>For Colors, Add</i>	3.31	
	<i>For Up To 100, Add</i>	7.27	
	<i>For &gt;100 To 250, Add</i>	3.63	
09 66 13 13-0003	SF Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion .....	28.22	2.78
	<i>For Venetian Type Terrazzo, Add</i>	6.69	
	<i>For Abrasive Heavy Duty Terrazzo, Add</i>	6.69	
	<i>For Colors, Add</i>	3.34	
	<i>For Up To 100, Add</i>	7.28	
	<i>For &gt;100 To 250, Add</i>	3.64	

**09 66 13 16 Monolithic Terrazzo Flooring (09 66 13)**

<b>09 66 13 16-0001</b>	<b>Monolithic Terrazzo (09 66 13 16)</b>		
09 66 13 16-0002	SF Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4' To 5' Square Panels Topping .....	15.04	2.78
	Note: Including Mesh And Felt		
	<i>For Venetian Type Terrazzo, Add</i>	4.82	
	<i>For Abrasive Heavy Duty Terrazzo, Add</i>	4.82	
	<i>For Colors, Add</i>	2.41	
	<i>For Up To 100, Add</i>	3.12	
	<i>For &gt;100 To 250, Add</i>	1.56	

**09 66 13 19 Bonded Terrazzo Flooring (09 66 13)**

<b>09 66 13 19-0001</b>	<b>Floors Bonded To Concrete (09 66 13 19)</b>		
	Note: 1-3/4" Thick - 5/8" topping.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 19-0002	SF		Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping ..... <i>For Venetian Type Terrazzo, Add</i> <i>For Abrasive Heavy Duty Terrazzo, Add</i> <i>For Colors, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i>	22.34 5.47 5.47 2.73 5.66 2.83	2.78
09 66 13 19-0003	SF		Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping ..... <i>For Venetian Type Terrazzo, Add</i> <i>For Abrasive Heavy Duty Terrazzo, Add</i> <i>For Colors, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i>	22.47 5.53 5.53 2.77 5.67 2.84	2.78
<b>09 66 13 19-0004</b>			<b>Terrazzo Wainscot</b> <small>(09 66 13 19)</small>		
09 66 13 19-0005	SF		1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry ..... <i>For Venetian Type Terrazzo, Add</i>	31.79 3.54	3.71
<b>09 66 13 19-0006</b>			<b>Terrazzo Base</b> <small>(09 66 13 19)</small>		
09 66 13 19-0007	SF		6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry ..... <i>For Venetian Type Terrazzo, Add</i>	32.15 7.72	3.01
<b>09 66 13 19-0008</b>			<b>Terrazzo Curb</b> <small>(09 66 13 19)</small>		
09 66 13 19-0009	LF		6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces ..... <i>For Venetian Type Terrazzo, Add</i>	87.43 10.29	20.06
<b>09 66 13 19-0010</b>			<b>Stairs Cast In Place</b> <small>(09 66 13 19)</small> Note: Topping applied to concrete or metal.		
09 66 13 19-0011	LF		1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal ..... <i>For Each SF Of Abrasive Surface Finish, Add</i> <i>For Each LF Of Embedded Abrasive Strips, Add</i> <i>For Each LF Of Abrasive Metal Nosing, Add</i> <i>For Each SF Of Landings, Add</i>	32.76 0.35 0.56 3.90 1.50	5.56
09 66 13 19-0012	LF		Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal ..... <i>For Each SF Of Abrasive Surface Finish, Add</i> <i>For Each LF Of Embedded Abrasive Strips, Add</i> <i>For Each LF Of Abrasive Metal Nosing, Add</i> <i>For Each SF Of Landings, Add</i>	83.03 0.35 0.56 3.90 1.50	18.54
09 66 13 19-0013	SF		Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal ..... <i>For Each SF Of Abrasive Surface Finish, Add</i> <i>For Each LF Of Embedded Abrasive Strips, Add</i> <i>For Each LF Of Abrasive Metal Nosing, Add</i> <i>For Each SF Of Landings, Add</i>	33.14 0.35 0.56 3.90 1.50	5.56
<b>09 66 13 19-0014</b>			<b>Divider Strips</b> <small>(09 66 13 19)</small>		
09 66 13 19-0015	LF		1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip ..... <i>For Each SF Of Abrasive Surface Finish, Add</i>	4.66 0.35	0.93
09 66 13 19-0016	LF		1-1/4" Deep, 14 Gauge, Brass, Divider Strip ..... <i>For Each SF Of Abrasive Surface Finish, Add</i>	5.03 0.35	0.93
09 66 13 19-0017	LF		1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip ..... <i>For Each SF Of Abrasive Surface Finish, Add</i>	7.12 0.35	0.93
09 66 13 19-0018	LF		1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip ..... <i>For Each SF Of Abrasive Surface Finish, Add</i>	10.31 0.35	0.93
09 66 13 19-0019	LF		1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors ..... <i>For Each SF Of Abrasive Surface Finish, Add</i>	4.52 0.35	0.93
09 66 13 19-0020	LF		1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors ..... <i>For Each SF Of Abrasive Surface Finish, Add</i>	6.53 0.35	0.93
09 66 13 19-0021	LF		Vinyl Plastic, Divider Strip For Floor ..... <i>For Each SF Of Abrasive Surface Finish, Add</i>	4.94 0.35	0.93
<b>09 66 16</b>			<b>Terrazzo Floor Tile</b> <small>(09 66)</small>		
<b>09 66 16 13</b>			<b>Portland Cement Terrazzo Floor Tile</b> <small>(09 66 16)</small>		
<b>09 66 16 13-0001</b>			<b>Flooring Tiles</b> <small>(09 66 16 13)</small> Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".		
<b>09 66 16 13-0002</b>			<b>Terrazzo Tiles With Non Slip Surface</b> <small>(09 66 16 13-0001)</small>		
09 66 16 13-0003	SF		9" x 9" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	26.38 0.36 2.00	2.73
09 66 16 13-0004	SF		12" x 12" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	26.61 0.36 2.00	2.73
09 66 16 13-0005	SF		12" x 12" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	30.58 0.36 2.00	2.73
09 66 16 13-0006	SF		18" x 18" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	32.20 0.36 2.00	2.73
09 66 16 13-0007	SF		24" x 24" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	33.13 0.36 2.00	2.73
<b>09 66 16 13-0008</b>			<b>Terrazzo Tile Thin Set</b> <small>(09 66 16 13-0001)</small>		
09 66 16 13-0009	SF		Precast Terrazzo, 1/4"-1/2" Chips Floor Tiles, Thin Set Gray Cement Bed ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	25.88 0.36 2.00	2.73

**09 Finishes**

**09 60 Flooring**

**09 66 Terrazzo Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 13-0010	SF		Precast Terrazzo, 3/8"-1" Chips Floor Tiles, Thin Set Gray Cement Bed ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	27.39 0.36 2.00	2.73
<b>09 66 16 13-0011</b>			<b>Thin Set Terrazzo Wainscot</b> (09 66 16 13-0001)		
09 66 16 13-0012	SF		12" x 12" x 1" Terrazzo Tile Wainscot Thin Set ..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	42.64 0.50 1.00	6.01
09 66 16 13-0013	SF		18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set ..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	48.82 0.50 1.00	6.01
<b>09 66 16 13-0014</b>			<b>Thin Set Terrazzo Base, Gray Cement</b> (09 66 16 13-0001)		
09 66 16 13-0015	LF		6" High, Straight Terrazzo Base Thin Set, Gray Cement ..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	13.95 0.50 1.00	3.01
09 66 16 13-0016	LF		6" High, Cove Terrazzo Base Thin Set, Gray Cement ..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	15.34 0.50 1.00	3.01
09 66 16 13-0017	LF		8" High, Straight Terrazzo Base Thin Set, Gray Cement ..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	16.11 0.50 1.00	3.01
09 66 16 13-0018	LF		8" High, Cove Terrazzo Base Thin Set, Gray Cement ..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	16.81 0.50 1.00	3.01
<b>09 66 16 13-0019</b>			<b>Terrazzo Curbs</b> (09 66 16 13-0001)		
09 66 16 13-0020	LF		8" x 8" Curb, Terrazzo Tile ..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	29.33 0.50 1.00	4.02
09 66 16 13-0021	LF		6" x 6" Curb, Terrazzo Tile ..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	28.63 0.50 1.00	4.02
<b>09 66 16 13-0022</b>			<b>Precast Terrazzo Stair Treads 12" Wide</b> (09 66 16 13-0001)		
09 66 16 13-0023	LF		1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern .....	63.05	4.02
09 66 16 13-0024	LF		1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non Slip Surface .....	54.66	4.02
09 66 16 13-0025	LF		2" Precast Terrazzo Straight Stair Tread .....	49.06	4.02
09 66 16 13-0026	LF		2" Precast Terrazzo Curved Stair Tread .....	57.19	4.02
<b>09 66 16 13-0027</b>			<b>Stair Risers, 1" Thick To 6" High, Straight</b> (09 66 16 13-0001)		
09 66 16 13-0028	LF		1"-6" High Precast Terrazzo Stair Riser Straight Section, Thin Set .....	29.32	3.01
09 66 16 13-0029	LF		1"-6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set .....	33.52	3.01
<b>09 66 16 13-0030</b>			<b>Stair Risers, 1" Thick To 6" High, Curved</b> (09 66 16 13-0001)		
09 66 16 13-0031	LF		1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set .....	42.28	3.01
09 66 16 13-0032	LF		1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set .....	45.07	3.01
<b>09 66 16 13-0033</b>			<b>Tread And Riser</b> (09 66 16 13)		
<b>09 66 16 13-0034</b>			<b>Stair Stringers, Notched For Treads And Risers</b> (09 66 16 13-0033)		
09 66 16 13-0035	LF		1" Precast Terrazzo Stair Stringers Notched For Treads And Risers .....	71.73	8.02
09 66 16 13-0036	LF		2" Precast Terrazzo Stair Stringers Notched For Treads And Risers .....	86.30	8.02
<b>09 66 16 13-0037</b>			<b>Structural Non-Slip Landings</b> (09 66 16 13-0033)		
09 66 16 13-0038	SF		1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non Slip .....	51.27	4.02
09 66 16 13-0039	SF		3" Thick Precast Terrazzo Stair Landing Structural, Non Slip .....	62.51	4.02
<b>09 66 16 13-0040</b>			<b>Combined Tread And Riser</b> (09 66 16 13-0033)		
<b>09 66 16 13-0041</b>			<b>Straight Sections</b> (09 66 16 13-0040)		
09 66 16 13-0042	LF		Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section .....	109.18	8.02
09 66 16 13-0043	LF		Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section .....	128.76	8.02
<b>09 66 16 13-0044</b>			<b>Curved Sections</b> (09 66 16 13-0040)		
09 66 16 13-0045	LF		Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section .....	135.54	8.02
09 66 16 13-0046	LF		Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section .....	169.11	8.02
<b>09 66 23</b>			<b>Resinous Matrix Terrazzo Flooring</b> (09 66)		
<b>09 66 23 16</b>			<b>Epoxy-Resin Terrazzo Flooring</b> (09 66 23)		
<b>09 66 23 16-0001</b>			<b>Epoxy Terrazzo</b> (09 66 23 16)		
09 66 23 16-0002	SF		Chemical Resistant Epoxy Terrazzo, 1/4" Thick .....	21.01	2.78



		<b>Finishes</b>	<b>09</b>
		Flooring	09 60
		Terrazzo Flooring	09 66

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**09 66 33 Conductive Terrazzo Flooring (09 66)**

Note: For anti-static areas.

**09 66 33 13 Conductive Epoxy-Resin Terrazzo (09 66 33)**

09 66 33 13-0001	SF	Terrazzo, Epoxy System, Floor Sparkproof, Conductive, Industrial.....	21.85	5.01
09 66 33 13-0002	SF	Terrazzo, Epoxy System, Base Sparkproof, Conductive, Industrial.....	38.92	5.01

**09 66 33 16 Conductive Polyester-Resin Terrazzo Flooring (09 66 33)**

09 66 33 16-0001	SF	Terrazzo, Polyester System, Floor Sparkproof, Conductive, Industrial.....	16.84	5.01
09 66 33 16-0002	SF	Terrazzo, Polyester System, Base Sparkproof, Conductive, Industrial.....	27.89	5.01

**09 66 33 19 Conductive Plastic-Matrix Terrazzo Flooring (09 66 33)**

09 66 33 19-0001	SF	Terrazzo, Polyacrylate System, Floor Sparkproof, Conductive, Industrial.....	18.91	5.01
09 66 33 19-0002	SF	Terrazzo, Polyacrylate System, Base Sparkproof, Conductive, Industrial.....	35.29	5.01
09 66 33 19-0003	SF	Terrazzo, Synthetic Latex Mastic System, Floor Sparkproof, Conductive, Industrial.....	26.73	5.01
09 66 33 19-0004	SF	Terrazzo, Synthetic Latex Mastic System, Base Sparkproof, Conductive, Industrial.....	30.73	5.01

**09 67 Fluid-Applied Flooring (09 60)**

**09 67 16 Epoxy-Marble Chip Flooring (09 67)**

**09 67 16 00-0001 Epoxy Marble Chip Flooring (09 67 16)**

09 67 16 00-0002	SF	Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base.....	14.37	2.78
		Note: Includes primer, 1/4" epoxy marble coat with quartz chips and top seal coat.		
		<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.06	
		<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.06	
09 67 16 00-0003	SF	Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy Duty Epoxy.....	15.21	2.78
		Note: Includes primer, 3/16" marble chip coat and top seal coat.		
		<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.07	
		<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.07	

**09 67 23 Resinous Flooring (09 67)**

**09 67 23 00-0001 Epoxy Resin Flooring (09 67 23)**

Note: Includes primer, slurry coat(s) and top coat(s) (assorted colors). Excludes existing floor preparation of sand/bead blasting or two pass floor grinding, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes. See CSI section 03 35 43 00-0001 for additional floor polish grinding.

09 67 23 00-0002	SF	3/16" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	12.33	6.30
		Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
		<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.05	
		<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.05	
		<i>For Up To 500, Add</i>	2.34	
		<i>For &gt;500 To 1,000, Add</i>	1.48	
		<i>For &gt;1,000 To 2,000, Add</i>	0.74	
09 67 23 00-0003	SF	3/16" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	18.25	6.30
		Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
		<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.11	
		<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.11	
		<i>For Up To 500, Add</i>	3.82	
		<i>For &gt;500 To 1,000, Add</i>	2.37	
		<i>For &gt;1,000 To 2,000, Add</i>	1.18	
09 67 23 00-0004	SF	1/4" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	14.72	7.05
		Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
		<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.05	
		<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.05	
		<i>For Up To 500, Add</i>	2.75	
		<i>For &gt;500 To 1,000, Add</i>	1.74	
		<i>For &gt;1,000 To 2,000, Add</i>	0.87	
09 67 23 00-0005	SF	1/4" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	21.51	7.05
		Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
		<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.12	
		<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.12	
		<i>For Up To 500, Add</i>	4.45	
		<i>For &gt;500 To 1,000, Add</i>	2.76	
		<i>For &gt;1,000 To 2,000, Add</i>	1.38	
09 67 23 00-0006	SF	3/8" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	16.62	7.88
		Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
		<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.06	
		<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.06	
		<i>For Up To 500, Add</i>	3.13	
		<i>For &gt;500 To 1,000, Add</i>	1.98	
		<i>For &gt;1,000 To 2,000, Add</i>	0.99	
09 67 23 00-0007	SF	3/8" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	23.83	7.88
		Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
		<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.14	
		<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.14	
		<i>For Up To 500, Add</i>	4.93	
		<i>For &gt;500 To 1,000, Add</i>	3.06	
		<i>For &gt;1,000 To 2,000, Add</i>	1.53	

**09 Finishes**

**09 60 Flooring**

**09 68 Carpeting**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**09 68 Carpeting** (09 60)

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

**09 68 13 Tile Carpeting** (09 68)

**09 68 13 00-0001 Tufted Carpet Tiles** (09 68 13)

Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue or peel and stick backing.

**09 68 13 00-0002 Non-Patterned Carpet Tiles** (09 68 13 00-0001)

09 68 13 00-0003	SY 18 Ounce, Non Patterned, Nylon Carpet Tile.....	31.60	3.83
	For >200 To 400, Deduct	-0.44	
	For >400 To 600, Deduct	-0.67	
	For >600 To 900, Deduct	-1.25	
	For >900 To 1,500, Deduct	-1.84	
	For >1,500 To 2,200, Deduct	-2.69	
	For >2,200 To 3,500, Deduct	-3.48	
	For >3,500, Deduct	-4.27	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0004	SY 20 Ounce, Non Patterned, Nylon Carpet Tile.....	32.95	3.83
	For >200 To 400, Deduct	-0.47	
	For >400 To 600, Deduct	-0.71	
	For >600 To 900, Deduct	-1.32	
	For >900 To 1,500, Deduct	-1.93	
	For >1,500 To 2,200, Deduct	-2.83	
	For >2,200 To 3,500, Deduct	-3.65	
	For >3,500, Deduct	-4.47	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0005	SY 22 Ounce, Non Patterned, Nylon Carpet Tile.....	37.23	3.83
	For >200 To 400, Deduct	-0.56	
	For >400 To 600, Deduct	-0.84	
	For >600 To 900, Deduct	-1.53	
	For >900 To 1,500, Deduct	-2.23	
	For >1,500 To 2,200, Deduct	-3.25	
	For >2,200 To 3,500, Deduct	-4.18	
	For >3,500, Deduct	-5.12	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0006	SY 24 Ounce, Non Patterned, Nylon Carpet Tile.....	41.40	3.83
	For >200 To 400, Deduct	-0.64	
	For >400 To 600, Deduct	-0.96	
	For >600 To 900, Deduct	-1.74	
	For >900 To 1,500, Deduct	-2.52	
	For >1,500 To 2,200, Deduct	-3.67	
	For >2,200 To 3,500, Deduct	-4.71	
	For >3,500, Deduct	-5.74	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0007	SY 26 Ounce, Non Patterned, Nylon Carpet Tile.....	43.84	3.83
	For >200 To 400, Deduct	-0.69	
	For >400 To 600, Deduct	-1.03	
	For >600 To 900, Deduct	-1.86	
	For >900 To 1,500, Deduct	-2.69	
	For >1,500 To 2,200, Deduct	-3.92	
	For >2,200 To 3,500, Deduct	-5.01	
	For >3,500, Deduct	-6.11	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0008	SY 28 Ounce, Non Patterned, Nylon Carpet Tile.....	46.33	3.83
	For >200 To 400, Deduct	-0.74	
	For >400 To 600, Deduct	-1.11	
	For >600 To 900, Deduct	-1.99	
	For >900 To 1,500, Deduct	-2.87	
	For >1,500 To 2,200, Deduct	-4.16	
	For >2,200 To 3,500, Deduct	-5.32	
	For >3,500, Deduct	-6.48	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0009	SY 30 Ounce, Non Patterned, Nylon Carpet Tile.....	47.07	3.83
	For >200 To 400, Deduct	-0.75	
	For >400 To 600, Deduct	-1.13	
	For >600 To 900, Deduct	-2.03	
	For >900 To 1,500, Deduct	-2.92	
	For >1,500 To 2,200, Deduct	-4.24	
	For >2,200 To 3,500, Deduct	-5.41	
	For >3,500, Deduct	-6.59	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0010	SY 32 Ounce, Non Patterned, Nylon Carpet Tile.....	47.54	3.83
	For >200 To 400, Deduct	-0.76	
	For >400 To 600, Deduct	-1.14	
	For >600 To 900, Deduct	-2.05	
	For >900 To 1,500, Deduct	-2.95	
	For >1,500 To 2,200, Deduct	-4.29	
	For >2,200 To 3,500, Deduct	-5.47	
	For >3,500, Deduct	-6.66	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0011	SY 34 Ounce, Non Patterned, Nylon Carpet Tile.....	47.93	3.83
	For >200 To 400, Deduct	-0.77	
	For >400 To 600, Deduct	-1.16	
	For >600 To 900, Deduct	-2.07	
	For >900 To 1,500, Deduct	-2.98	
	For >1,500 To 2,200, Deduct	-4.32	
	For >2,200 To 3,500, Deduct	-5.52	
	For >3,500, Deduct	-6.72	
	For Cushion Backed Tile, Add	6.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0012	SY		36 Ounce, Non Patterned, Nylon Carpet Tile.....	49.26	3.83
			<i>For &gt;200 To 400, Deduct</i>	-0.80	
			<i>For &gt;400 To 600, Deduct</i>	-1.20	
			<i>For &gt;600 To 900, Deduct</i>	-2.13	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.07	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-4.46	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-5.69	
			<i>For &gt;3,500, Deduct</i>	-6.92	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0013	SY		38 Ounce, Non Patterned, Nylon Carpet Tile.....	51.90	3.83
			<i>For &gt;200 To 400, Deduct</i>	-0.85	
			<i>For &gt;400 To 600, Deduct</i>	-1.28	
			<i>For &gt;600 To 900, Deduct</i>	-2.27	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.26	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-4.72	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-6.02	
			<i>For &gt;3,500, Deduct</i>	-7.32	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0014	SY		40 Ounce, Non Patterned, Nylon Carpet Tile.....	54.73	3.83
			<i>For &gt;200 To 400, Deduct</i>	-0.91	
			<i>For &gt;400 To 600, Deduct</i>	-1.36	
			<i>For &gt;600 To 900, Deduct</i>	-2.41	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.46	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-5.00	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-6.37	
			<i>For &gt;3,500, Deduct</i>	-7.74	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0015	SY		42 Ounce, Non Patterned, Nylon Carpet Tile.....	60.17	3.83
			<i>For &gt;200 To 400, Deduct</i>	-1.02	
			<i>For &gt;400 To 600, Deduct</i>	-1.52	
			<i>For &gt;600 To 900, Deduct</i>	-2.68	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.84	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-5.55	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-7.05	
			<i>For &gt;3,500, Deduct</i>	-8.56	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0016	SY		Installation Of Owner Provided Non Patterned Carpet Tiles.....	9.38	
09 68 13 00-0017			<b>Patterned Carpet Tiles</b> (09 68 13 00-0001)		
			Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.		
09 68 13 00-0018	SY		15 Ounce, Patterned, Nylon Carpet Tile.....	32.15	3.83
			<i>For &gt;200 To 400, Deduct</i>	-0.44	
			<i>For &gt;400 To 600, Deduct</i>	-0.65	
			<i>For &gt;600 To 900, Deduct</i>	-1.25	
			<i>For &gt;900 To 1,500, Deduct</i>	-1.84	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-2.70	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-3.50	
			<i>For &gt;3,500, Deduct</i>	-4.31	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0019	SY		18 Ounce, Patterned, Nylon Carpet Tile.....	32.88	3.83
			<i>For &gt;200 To 400, Deduct</i>	-0.45	
			<i>For &gt;400 To 600, Deduct</i>	-0.68	
			<i>For &gt;600 To 900, Deduct</i>	-1.28	
			<i>For &gt;900 To 1,500, Deduct</i>	-1.89	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-2.77	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-3.59	
			<i>For &gt;3,500, Deduct</i>	-4.42	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0020	SY		20 Ounce, Patterned, Nylon Carpet Tile.....	34.24	3.83
			<i>For &gt;200 To 400, Deduct</i>	-0.48	
			<i>For &gt;400 To 600, Deduct</i>	-0.72	
			<i>For &gt;600 To 900, Deduct</i>	-1.35	
			<i>For &gt;900 To 1,500, Deduct</i>	-1.98	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-2.91	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-3.76	
			<i>For &gt;3,500, Deduct</i>	-4.62	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0021	SY		22 Ounce, Patterned, Nylon Carpet Tile.....	38.59	3.83
			<i>For &gt;200 To 400, Deduct</i>	-0.57	
			<i>For &gt;400 To 600, Deduct</i>	-0.85	
			<i>For &gt;600 To 900, Deduct</i>	-1.57	
			<i>For &gt;900 To 1,500, Deduct</i>	-2.29	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-3.34	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-4.31	
			<i>For &gt;3,500, Deduct</i>	-5.27	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0022	SY		24 Ounce, Patterned, Nylon Carpet Tile.....	42.82	3.83
			<i>For &gt;200 To 400, Deduct</i>	-0.65	
			<i>For &gt;400 To 600, Deduct</i>	-0.98	
			<i>For &gt;600 To 900, Deduct</i>	-1.78	
			<i>For &gt;900 To 1,500, Deduct</i>	-2.58	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-3.77	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-4.84	
			<i>For &gt;3,500, Deduct</i>	-5.91	
			<i>For Cushion Backed Tile, Add</i>	6.00	

## 09 Finishes

## 09 60 Flooring

## 09 68 Carpeting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0023	SY		26 Ounce, Patterned, Nylon Carpet Tile .....	45.29	3.83
			<i>For &gt;200 To 400, Deduct</i>	-0.70	
			<i>For &gt;400 To 600, Deduct</i>	-1.05	
			<i>For &gt;600 To 900, Deduct</i>	-1.90	
			<i>For &gt;900 To 1,500, Deduct</i>	-2.76	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-4.01	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-5.15	
			<i>For &gt;3,500, Deduct</i>	-6.28	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0024	SY		28 Ounce, Patterned, Nylon Carpet Tile .....	47.83	3.83
			<i>For &gt;200 To 400, Deduct</i>	-0.75	
			<i>For &gt;400 To 600, Deduct</i>	-1.13	
			<i>For &gt;600 To 900, Deduct</i>	-2.03	
			<i>For &gt;900 To 1,500, Deduct</i>	-2.94	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-4.27	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-5.46	
			<i>For &gt;3,500, Deduct</i>	-6.66	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0025	SY		30 Ounce, Patterned, Nylon Carpet Tile .....	48.58	3.83
			<i>For &gt;200 To 400, Deduct</i>	-0.77	
			<i>For &gt;400 To 600, Deduct</i>	-1.15	
			<i>For &gt;600 To 900, Deduct</i>	-2.07	
			<i>For &gt;900 To 1,500, Deduct</i>	-2.99	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-4.34	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-5.56	
			<i>For &gt;3,500, Deduct</i>	-6.77	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0026	SY		32 Ounce, Patterned, Nylon Carpet Tile .....	49.05	3.83
			<i>For &gt;200 To 400, Deduct</i>	-0.77	
			<i>For &gt;400 To 600, Deduct</i>	-1.16	
			<i>For &gt;600 To 900, Deduct</i>	-2.09	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.02	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-4.39	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-5.62	
			<i>For &gt;3,500, Deduct</i>	-6.84	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0027	SY		34 Ounce, Patterned, Nylon Carpet Tile .....	49.45	3.83
			<i>For &gt;200 To 400, Deduct</i>	-0.78	
			<i>For &gt;400 To 600, Deduct</i>	-1.17	
			<i>For &gt;600 To 900, Deduct</i>	-2.11	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.05	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-4.43	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-5.67	
			<i>For &gt;3,500, Deduct</i>	-6.90	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0028	SY		36 Ounce, Patterned, Nylon Carpet Tile .....	50.80	3.83
			<i>For &gt;200 To 400, Deduct</i>	-0.81	
			<i>For &gt;400 To 600, Deduct</i>	-1.21	
			<i>For &gt;600 To 900, Deduct</i>	-2.18	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.14	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-4.56	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-5.83	
			<i>For &gt;3,500, Deduct</i>	-7.10	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0029	SY		38 Ounce, Patterned, Nylon Carpet Tile .....	53.48	3.83
			<i>For &gt;200 To 400, Deduct</i>	-0.86	
			<i>For &gt;400 To 600, Deduct</i>	-1.29	
			<i>For &gt;600 To 900, Deduct</i>	-2.31	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.33	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-4.83	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-6.17	
			<i>For &gt;3,500, Deduct</i>	-7.51	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0030	SY		40 Ounce, Patterned, Nylon Carpet Tile .....	56.35	3.83
			<i>For &gt;200 To 400, Deduct</i>	-0.92	
			<i>For &gt;400 To 600, Deduct</i>	-1.38	
			<i>For &gt;600 To 900, Deduct</i>	-2.46	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.53	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-5.12	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-6.53	
			<i>For &gt;3,500, Deduct</i>	-7.94	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0031	SY		42 Ounce, Patterned, Nylon Carpet Tile .....	61.88	3.83
			<i>For &gt;200 To 400, Deduct</i>	-1.03	
			<i>For &gt;400 To 600, Deduct</i>	-1.55	
			<i>For &gt;600 To 900, Deduct</i>	-2.73	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.92	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-5.67	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-7.22	
			<i>For &gt;3,500, Deduct</i>	-8.77	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0032	SY		Installation Of Owner Provided Patterned Carpet Tiles.....	10.75	

09 68 13 00-0033 ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series) (09 68 13 00-0001)

Note: Includes conductive ESD releasable adhesive and grounding clips.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 68 13 00-0034	SY		24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series) .....	78.81	3.83
			For >200 To 400, Deduct	-1.37	
			For >400 To 600, Deduct	-2.05	
			For >600 To 900, Deduct	-3.58	
			For >900 To 1,500, Deduct	-5.10	
			For >1,500 To 2,200, Deduct	-7.37	
			For >2,200 To 3,500, Deduct	-9.34	
			For >3,500, Deduct	-11.31	

**09 68 16 Sheet Carpeting (09 68)**

Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.

09 68 16 00-0001			<b>Carpet Cushion (09 68 16)</b>		
09 68 16 00-0002			<b>Carpet Padding (09 68 16 00-0001)</b>		
09 68 16 00-0003			<b>Prime Polyurethane Foam Carpet Padding (09 68 16 00-0002)</b>		
09 68 16 00-0004	SY		7/16" Thick, Prime Polyurethane Foam Carpet Padding .....	11.57	2.07
			For >200 To 400, Deduct	-0.17	
			For >400 To 600, Deduct	-0.25	
			For >600 To 900, Deduct	-0.47	
			For >900 To 1,500, Deduct	-0.68	
			For >1,500 To 2,200, Deduct	-1.00	
			For >2,200 To 3,500, Deduct	-1.29	
			For >3,500, Deduct	-1.58	
09 68 16 00-0005	SY		1/2" Thick, Prime Polyurethane Foam Carpet Padding .....	12.07	2.07
			For >200 To 400, Deduct	-0.18	
			For >400 To 600, Deduct	-0.27	
			For >600 To 900, Deduct	-0.49	
			For >900 To 1,500, Deduct	-0.72	
			For >1,500 To 2,200, Deduct	-1.05	
			For >2,200 To 3,500, Deduct	-1.35	
			For >3,500, Deduct	-1.65	
09 68 16 00-0006			<b>Bonded (Rebond) Polyurethane Foam Carpet Padding (09 68 16 00-0002)</b>		
09 68 16 00-0007	SY		1/4" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding .....	7.26	2.07
			For >200 To 400, Deduct	-0.08	
			For >400 To 600, Deduct	-0.12	
			For >600 To 900, Deduct	-0.25	
			For >900 To 1,500, Deduct	-0.38	
			For >1,500 To 2,200, Deduct	-0.57	
			For >2,200 To 3,500, Deduct	-0.75	
			For >3,500, Deduct	-0.93	
09 68 16 00-0008	SY		5/16" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding .....	7.60	2.07
			For >200 To 400, Deduct	-0.09	
			For >400 To 600, Deduct	-0.13	
			For >600 To 900, Deduct	-0.27	
			For >900 To 1,500, Deduct	-0.41	
			For >1,500 To 2,200, Deduct	-0.60	
			For >2,200 To 3,500, Deduct	-0.79	
			For >3,500, Deduct	-0.98	
09 68 16 00-0009	SY		3/8" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding .....	6.00	2.07
			For >200 To 400, Deduct	-0.06	
			For >400 To 600, Deduct	-0.09	
			For >600 To 900, Deduct	-0.19	
			For >900 To 1,500, Deduct	-0.29	
			For >1,500 To 2,200, Deduct	-0.44	
			For >2,200 To 3,500, Deduct	-0.59	
			For >3,500, Deduct	-0.74	
09 68 16 00-0010	SY		3/8" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding .....	7.37	2.07
			For >200 To 400, Deduct	-0.08	
			For >400 To 600, Deduct	-0.13	
			For >600 To 900, Deduct	-0.26	
			For >900 To 1,500, Deduct	-0.39	
			For >1,500 To 2,200, Deduct	-0.58	
			For >2,200 To 3,500, Deduct	-0.76	
			For >3,500, Deduct	-0.95	
09 68 16 00-0011	SY		7/16" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding .....	7.37	2.07
			For >200 To 400, Deduct	-0.08	
			For >400 To 600, Deduct	-0.13	
			For >600 To 900, Deduct	-0.26	
			For >900 To 1,500, Deduct	-0.39	
			For >1,500 To 2,200, Deduct	-0.58	
			For >2,200 To 3,500, Deduct	-0.76	
			For >3,500, Deduct	-0.95	
09 68 16 00-0012	SY		7/16" Thick, 6 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding .....	7.37	2.07
			For >200 To 400, Deduct	-0.08	
			For >400 To 600, Deduct	-0.13	
			For >600 To 900, Deduct	-0.26	
			For >900 To 1,500, Deduct	-0.39	
			For >1,500 To 2,200, Deduct	-0.58	
			For >2,200 To 3,500, Deduct	-0.76	
			For >3,500, Deduct	-0.95	

**09 Finishes****09 60 Flooring****09 68 Carpeting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 68 16 00-0013	SY 7/16" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding .....	8.19	2.07
	For >200 To 400, Deduct	-0.10	
	For >400 To 600, Deduct	-0.15	
	For >600 To 900, Deduct	-0.30	
	For >900 To 1,500, Deduct	-0.45	
	For >1,500 To 2,200, Deduct	-0.66	
	For >2,200 To 3,500, Deduct	-0.87	
	For >3,500, Deduct	-1.07	
09 68 16 00-0014	SY 1/2" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding .....	7.30	2.07
	For >200 To 400, Deduct	-0.08	
	For >400 To 600, Deduct	-0.12	
	For >600 To 900, Deduct	-0.26	
	For >900 To 1,500, Deduct	-0.39	
	For >1,500 To 2,200, Deduct	-0.57	
	For >2,200 To 3,500, Deduct	-0.76	
	For >3,500, Deduct	-0.94	
09 68 16 00-0015	SY 1/2" Thick, 6 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding .....	7.56	2.07
	For >200 To 400, Deduct	-0.09	
	For >400 To 600, Deduct	-0.13	
	For >600 To 900, Deduct	-0.27	
	For >900 To 1,500, Deduct	-0.40	
	For >1,500 To 2,200, Deduct	-0.60	
	For >2,200 To 3,500, Deduct	-0.79	
	For >3,500, Deduct	-0.98	
09 68 16 00-0016	SY 1/2" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding .....	8.53	2.07
	For >200 To 400, Deduct	-0.11	
	For >400 To 600, Deduct	-0.16	
	For >600 To 900, Deduct	-0.32	
	For >900 To 1,500, Deduct	-0.47	
	For >1,500 To 2,200, Deduct	-0.70	
	For >2,200 To 3,500, Deduct	-0.91	
	For >3,500, Deduct	-1.12	
<b>09 68 16 00-0017</b>	<b>Froth Polyurethane Foam Carpet Padding</b> (09 68 16 00-0002)		
09 68 16 00-0018	SY 0.175" Thick, 16 LB/CF Froth Polyurethane Foam Rubber Carpet Padding .....	12.32	2.07
	For >200 To 400, Deduct	-0.18	
	For >400 To 600, Deduct	-0.28	
	For >600 To 900, Deduct	-0.51	
	For >900 To 1,500, Deduct	-0.74	
	For >1,500 To 2,200, Deduct	-1.08	
	For >2,200 To 3,500, Deduct	-1.38	
	For >3,500, Deduct	-1.69	
09 68 16 00-0019	SY 0.250" Thick, 12 LB/CF Froth Polyurethane Foam Rubber Carpet Padding .....	13.74	2.07
	For >200 To 400, Deduct	-0.21	
	For >400 To 600, Deduct	-0.32	
	For >600 To 900, Deduct	-0.58	
	For >900 To 1,500, Deduct	-0.84	
	For >1,500 To 2,200, Deduct	-1.22	
	For >2,200 To 3,500, Deduct	-1.56	
	For >3,500, Deduct	-1.90	
09 68 16 00-0020	SY 0.250" Thick, 16 LB/CF Froth Polyurethane Foam Rubber Carpet Padding .....	14.84	2.07
	For >200 To 400, Deduct	-0.23	
	For >400 To 600, Deduct	-0.35	
	For >600 To 900, Deduct	-0.63	
	For >900 To 1,500, Deduct	-0.91	
	For >1,500 To 2,200, Deduct	-1.33	
	For >2,200 To 3,500, Deduct	-1.70	
	For >3,500, Deduct	-2.07	
<b>09 68 16 00-0021</b>	<b>Waffle Rubber Carpet Padding</b> (09 68 16 00-0002)		
09 68 16 00-0022	SY 3/8" Thick, 90 OZ/SY Waffle Rubber Carpet Padding .....	14.13	2.07
	For >200 To 400, Deduct	-0.22	
	For >400 To 600, Deduct	-0.33	
	For >600 To 900, Deduct	-0.60	
	For >900 To 1,500, Deduct	-0.86	
	For >1,500 To 2,200, Deduct	-1.26	
	For >2,200 To 3,500, Deduct	-1.61	
	For >3,500, Deduct	-1.96	
<b>09 68 16 00-0023</b>	<b>Flat Sponge Rubber Carpet Padding</b> (09 68 16 00-0002)		
09 68 16 00-0024	SY 0.156" Thick, 62 OZ/SY Flat Sponge Rubber Carpet Padding .....	8.61	2.07
	For >200 To 400, Deduct	-0.11	
	For >400 To 600, Deduct	-0.16	
	For >600 To 900, Deduct	-0.32	
	For >900 To 1,500, Deduct	-0.48	
	For >1,500 To 2,200, Deduct	-0.70	
	For >2,200 To 3,500, Deduct	-0.92	
	For >3,500, Deduct	-1.13	
09 68 16 00-0025	SY 0.250" Thick, 68 OZ/SY Flat Sponge Rubber Carpet Padding .....	9.19	2.07
	For >200 To 400, Deduct	-0.12	
	For >400 To 600, Deduct	-0.18	
	For >600 To 900, Deduct	-0.35	
	For >900 To 1,500, Deduct	-0.52	
	For >1,500 To 2,200, Deduct	-0.76	
	For >2,200 To 3,500, Deduct	-0.99	
	For >3,500, Deduct	-1.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0026	SY		0.250" Thick, 80 OZ/SY Flat Sponge Rubber Carpet Padding.....	9.62	2.07
			<i>For &gt;200 To 400, Deduct</i>	-0.13	
			<i>For &gt;400 To 600, Deduct</i>	-0.19	
			<i>For &gt;600 To 900, Deduct</i>	-0.37	
			<i>For &gt;900 To 1,500, Deduct</i>	-0.55	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-0.81	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-1.05	
			<i>For &gt;3,500, Deduct</i>	-1.29	
09 68 16 00-0027	SY		0.250" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding.....	10.97	2.07
			<i>For &gt;200 To 400, Deduct</i>	-0.16	
			<i>For &gt;400 To 600, Deduct</i>	-0.23	
			<i>For &gt;600 To 900, Deduct</i>	-0.44	
			<i>For &gt;900 To 1,500, Deduct</i>	-0.64	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-0.94	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-1.21	
			<i>For &gt;3,500, Deduct</i>	-1.49	
09 68 16 00-0028	SY		0.370" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding.....	11.09	2.07
			<i>For &gt;200 To 400, Deduct</i>	-0.16	
			<i>For &gt;400 To 600, Deduct</i>	-0.24	
			<i>For &gt;600 To 900, Deduct</i>	-0.44	
			<i>For &gt;900 To 1,500, Deduct</i>	-0.65	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-0.95	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-1.23	
			<i>For &gt;3,500, Deduct</i>	-1.51	
09 68 16 00-0029			<b>Synthetic Fiber Carpet Padding</b> (09 68 16 00-0002)		
09 68 16 00-0030	SY		0.235" Thick, 20 OZ/SY Synthetic Fiber Carpet Padding.....	4.27	2.07
			<i>For &gt;200 To 400, Deduct</i>	-0.02	
			<i>For &gt;400 To 600, Deduct</i>	-0.03	
			<i>For &gt;600 To 900, Deduct</i>	-0.10	
			<i>For &gt;900 To 1,500, Deduct</i>	-0.17	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-0.27	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-0.38	
			<i>For &gt;3,500, Deduct</i>	-0.48	
09 68 16 00-0031	SY		0.235" Thick, 24 OZ/SY Synthetic Fiber Carpet Padding.....	5.16	2.07
			<i>For &gt;200 To 400, Deduct</i>	-0.04	
			<i>For &gt;400 To 600, Deduct</i>	-0.06	
			<i>For &gt;600 To 900, Deduct</i>	-0.15	
			<i>For &gt;900 To 1,500, Deduct</i>	-0.24	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-0.36	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-0.49	
			<i>For &gt;3,500, Deduct</i>	-0.62	
09 68 16 00-0032	SY		0.275" Thick, 28 OZ/SY Synthetic Fiber Carpet Padding.....	4.75	2.07
			<i>For &gt;200 To 400, Deduct</i>	-0.03	
			<i>For &gt;400 To 600, Deduct</i>	-0.05	
			<i>For &gt;600 To 900, Deduct</i>	-0.13	
			<i>For &gt;900 To 1,500, Deduct</i>	-0.21	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-0.32	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-0.44	
			<i>For &gt;3,500, Deduct</i>	-0.56	
09 68 16 00-0033	SY		0.300" Thick, 32 OZ/SY Synthetic Fiber Carpet Padding.....	4.91	2.07
			<i>For &gt;200 To 400, Deduct</i>	-0.04	
			<i>For &gt;400 To 600, Deduct</i>	-0.05	
			<i>For &gt;600 To 900, Deduct</i>	-0.14	
			<i>For &gt;900 To 1,500, Deduct</i>	-0.22	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-0.33	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-0.46	
			<i>For &gt;3,500, Deduct</i>	-0.58	
09 68 16 00-0034	SY		0.350" Thick, 40 OZ/SY Synthetic Fiber Carpet Padding.....	5.82	2.07
			<i>For &gt;200 To 400, Deduct</i>	-0.05	
			<i>For &gt;400 To 600, Deduct</i>	-0.08	
			<i>For &gt;600 To 900, Deduct</i>	-0.18	
			<i>For &gt;900 To 1,500, Deduct</i>	-0.28	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-0.43	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-0.57	
			<i>For &gt;3,500, Deduct</i>	-0.72	
09 68 16 00-0035			<b>Double Stick Synthetic Fiber Carpet Padding</b> (09 68 16 00-0002)		
09 68 16 00-0036	SY		0.300" Thick, 32 OZ/SY Double Stick Synthetic Fiber Carpet Padding.....	6.10	2.07
			<i>For &gt;200 To 400, Deduct</i>	-0.06	
			<i>For &gt;400 To 600, Deduct</i>	-0.09	
			<i>For &gt;600 To 900, Deduct</i>	-0.20	
			<i>For &gt;900 To 1,500, Deduct</i>	-0.30	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-0.45	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-0.61	
			<i>For &gt;3,500, Deduct</i>	-0.76	
09 68 16 00-0037	SY		0.375" Thick, 40 OZ/SY Double Stick Synthetic Fiber Carpet Padding.....	6.81	2.07
			<i>For &gt;200 To 400, Deduct</i>	-0.07	
			<i>For &gt;400 To 600, Deduct</i>	-0.11	
			<i>For &gt;600 To 900, Deduct</i>	-0.23	
			<i>For &gt;900 To 1,500, Deduct</i>	-0.35	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-0.52	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-0.69	
			<i>For &gt;3,500, Deduct</i>	-0.86	
09 68 16 00-0038			<b>Residential Broadloom Carpet</b> (09 68 16)		
			Note: Includes tacks. See CSI section 09 68 16 00-0001 for padding.		

## 09 Finishes

## 09 60 Flooring

## 09 68 Carpeting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0039	SY	25 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	.....	31.90	5.52
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add		2.52	
		For Up To 15, Add		2.83	
		For >15 To 33, Add		1.42	
		For >200 To 400, Deduct		-0.36	
		For >400 To 600, Deduct		-0.53	
		For >600 To 900, Deduct		-1.10	
		For >900, Deduct		-1.67	
		For Installation On Stairs, Each Riser, Add		6.00	
09 68 16 00-0040	SY	30 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	.....	36.08	5.52
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add		2.52	
		For Up To 15, Add		2.83	
		For >15 To 33, Add		1.42	
		For >200 To 400, Deduct		-0.44	
		For >400 To 600, Deduct		-0.66	
		For >600 To 900, Deduct		-1.31	
		For >900, Deduct		-1.96	
		For Installation On Stairs, Each Riser, Add		6.00	
09 68 16 00-0041	SY	32 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	.....	41.82	5.52
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add		2.52	
		For Up To 15, Add		2.83	
		For >15 To 33, Add		1.42	
		For >200 To 400, Deduct		-0.55	
		For >400 To 600, Deduct		-0.83	
		For >600 To 900, Deduct		-1.60	
		For >900, Deduct		-2.36	
		For Installation On Stairs, Each Riser, Add		6.00	
09 68 16 00-0042	SY	34 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	.....	47.83	5.52
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add		2.52	
		For Up To 15, Add		2.83	
		For >15 To 33, Add		1.42	
		For >200 To 400, Deduct		-0.67	
		For >400 To 600, Deduct		-1.01	
		For >600 To 900, Deduct		-1.90	
		For >900, Deduct		-2.78	
		For Installation On Stairs, Each Riser, Add		6.00	
09 68 16 00-0043	SY	40 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	.....	48.87	5.52
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add		2.52	
		For Up To 15, Add		2.83	
		For >15 To 33, Add		1.42	
		For >200 To 400, Deduct		-0.69	
		For >400 To 600, Deduct		-1.04	
		For >600 To 900, Deduct		-1.95	
		For >900, Deduct		-2.85	
		For Installation On Stairs, Each Riser, Add		6.00	
09 68 16 00-0044	SY	45 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	.....	50.38	6.07
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add		2.67	
		For Up To 15, Add		3.02	
		For >15 To 33, Add		1.51	
		For >200 To 400, Deduct		-0.71	
		For >400 To 600, Deduct		-1.06	
		For >600 To 900, Deduct		-1.99	
		For >900, Deduct		-2.92	
		For Installation On Stairs, Each Riser, Add		6.00	
09 68 16 00-0045	SY	48 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	.....	52.17	6.07
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add		2.67	
		For Up To 15, Add		3.02	
		For >15 To 33, Add		1.51	
		For >200 To 400, Deduct		-0.74	
		For >400 To 600, Deduct		-1.11	
		For >600 To 900, Deduct		-2.08	
		For >900, Deduct		-3.05	
		For Installation On Stairs, Each Riser, Add		6.00	
09 68 16 00-0046	SY	50 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	.....	56.61	6.07
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add		2.67	
		For Up To 15, Add		3.02	
		For >15 To 33, Add		1.51	
		For >200 To 400, Deduct		-0.83	
		For >400 To 600, Deduct		-1.25	
		For >600 To 900, Deduct		-2.30	
		For >900, Deduct		-3.36	
		For Installation On Stairs, Each Riser, Add		6.00	
09 68 16 00-0047	SY	60 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	.....	57.13	6.07
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add		2.67	
		For Up To 15, Add		3.02	
		For >15 To 33, Add		1.51	
		For >200 To 400, Deduct		-0.84	
		For >400 To 600, Deduct		-1.26	
		For >600 To 900, Deduct		-2.33	
		For >900, Deduct		-3.40	
		For Installation On Stairs, Each Riser, Add		6.00	
09 68 16 00-0048	SY	65 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	.....	59.22	6.07
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add		2.67	
		For Up To 15, Add		3.02	
		For >15 To 33, Add		1.51	
		For >200 To 400, Deduct		-0.88	
		For >400 To 600, Deduct		-1.32	
		For >600 To 900, Deduct		-2.43	
		For >900, Deduct		-3.54	
		For Installation On Stairs, Each Riser, Add		6.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 68 16 00-0049			Commercial Broadloom Carpet <small>(09 68 16)</small> Note: Level-loop pile or textured-loop pile broadloom carpet.		
09 68 16 00-0050			Non-Patterned Broadloom Carpet <small>(09 68 16 00-0049)</small>		
09 68 16 00-0051	SY		22 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	40.45	15.72
			For Up To 15, Add	2.10	
			For >15 To 33, Add	1.05	
			For >200 To 400, Deduct	-0.60	
			For >400 To 600, Deduct	-0.90	
			For >600 To 900, Deduct	-1.66	
			For >900, Deduct	-2.41	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0052	SY		24 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	40.45	15.72
			For Up To 15, Add	2.10	
			For >15 To 33, Add	1.05	
			For >200 To 400, Deduct	-0.60	
			For >400 To 600, Deduct	-0.90	
			For >600 To 900, Deduct	-1.66	
			For >900, Deduct	-2.41	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0053	SY		26 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	40.45	15.72
			For Up To 15, Add	2.10	
			For >15 To 33, Add	1.05	
			For >200 To 400, Deduct	-0.60	
			For >400 To 600, Deduct	-0.90	
			For >600 To 900, Deduct	-1.66	
			For >900, Deduct	-2.41	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0054	SY		28 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	43.85	17.03
			For Up To 15, Add	2.27	
			For >15 To 33, Add	1.14	
			For >200 To 400, Deduct	-0.65	
			For >400 To 600, Deduct	-0.98	
			For >600 To 900, Deduct	-1.80	
			For >900, Deduct	-2.62	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0055	SY		30 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	44.77	17.03
			For Up To 15, Add	2.27	
			For >15 To 33, Add	1.14	
			For >200 To 400, Deduct	-0.67	
			For >400 To 600, Deduct	-1.00	
			For >600 To 900, Deduct	-1.84	
			For >900, Deduct	-2.68	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0056	SY		32 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	44.93	17.03
			For Up To 15, Add	2.27	
			For >15 To 33, Add	1.14	
			For >200 To 400, Deduct	-0.67	
			For >400 To 600, Deduct	-1.01	
			For >600 To 900, Deduct	-1.85	
			For >900, Deduct	-2.69	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0057	SY		34 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	49.45	18.33
			For Up To 15, Add	2.44	
			For >15 To 33, Add	1.22	
			For >200 To 400, Deduct	-0.74	
			For >400 To 600, Deduct	-1.12	
			For >600 To 900, Deduct	-2.04	
			For >900, Deduct	-2.97	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0058	SY		36 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet.....	50.12	18.33
			For Up To 15, Add	2.44	
			For >15 To 33, Add	1.22	
			For >200 To 400, Deduct	-0.76	
			For >400 To 600, Deduct	-1.14	
			For >600 To 900, Deduct	-2.08	
			For >900, Deduct	-3.02	
			For Cut Pile Carpet, Add	1.50	
			For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	

## 09 Finishes

## 09 60 Flooring

## 09 68 Carpeting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 68 16 00-0059	SY 38 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet .....	50.92	18.33
	For Up To 15, Add	2.44	
	For >15 To 33, Add	1.22	
	For >200 To 400, Deduct	-0.77	
	For >400 To 600, Deduct	-1.16	
	For >600 To 900, Deduct	-2.12	
	For >900, Deduct	-3.08	
	For Cut Pile Carpet, Add	1.50	
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0060	<b>Patterned Broadloom Carpet</b> (09 68 16 00-0049)		
	Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.		
09 68 16 00-0061	SY 22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet .....	41.95	15.72
	For Up To 15, Add	2.31	
	For >15 To 33, Add	1.15	
	For >200 To 400, Deduct	-0.61	
	For >400 To 600, Deduct	-0.91	
	For >600 To 900, Deduct	-1.69	
	For >900, Deduct	-2.48	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0062	SY 24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet .....	41.95	15.72
	For Up To 15, Add	2.31	
	For >15 To 33, Add	1.15	
	For >200 To 400, Deduct	-0.61	
	For >400 To 600, Deduct	-0.91	
	For >600 To 900, Deduct	-1.69	
	For >900, Deduct	-2.48	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0063	SY 26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet .....	41.95	15.72
	For Up To 15, Add	2.31	
	For >15 To 33, Add	1.15	
	For >200 To 400, Deduct	-0.61	
	For >400 To 600, Deduct	-0.91	
	For >600 To 900, Deduct	-1.69	
	For >900, Deduct	-2.48	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0064	SY 28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet .....	45.47	17.03
	For Up To 15, Add	2.50	
	For >15 To 33, Add	1.25	
	For >200 To 400, Deduct	-0.66	
	For >400 To 600, Deduct	-0.99	
	For >600 To 900, Deduct	-1.84	
	For >900, Deduct	-2.68	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0065	SY 30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet .....	46.40	17.03
	For Up To 15, Add	2.50	
	For >15 To 33, Add	1.25	
	For >200 To 400, Deduct	-0.68	
	For >400 To 600, Deduct	-1.02	
	For >600 To 900, Deduct	-1.88	
	For >900, Deduct	-2.75	
	For Cut Pile Carpet, Add	1.50	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0066	SY 32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet .....	46.56	17.03
	For Up To 15, Add	2.50	
	For >15 To 33, Add	1.25	
	For >200 To 400, Deduct	-0.68	
	For >400 To 600, Deduct	-1.02	
	For >600 To 900, Deduct	-1.89	
	For >900, Deduct	-2.76	
	For Cut Pile Carpet, Add	1.50	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0067	SY 34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet .....	51.24	18.33
	For Up To 15, Add	2.69	
	For >15 To 33, Add	1.35	
	For >200 To 400, Deduct	-0.76	
	For >400 To 600, Deduct	-1.13	
	For >600 To 900, Deduct	-2.09	
	For >900, Deduct	-3.05	
	For Cut Pile Carpet, Add	1.50	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0068	SY 36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet .....	51.92	18.33
	For Up To 15, Add	2.69	
	For >15 To 33, Add	1.35	
	For >200 To 400, Deduct	-0.77	
	For >400 To 600, Deduct	-1.15	
	For >600 To 900, Deduct	-2.13	
	For >900, Deduct	-3.10	
	For Cut Pile Carpet, Add	1.50	
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0069	SY		38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet..... <i>For Up To 15, Add</i> <i>For &gt;15 To 33, Add</i> <i>For &gt;200 To 400, Deduct</i> <i>For &gt;400 To 600, Deduct</i> <i>For &gt;600 To 900, Deduct</i> <i>For &gt;900, Deduct</i> <i>For Cut Pile Carpet, Add</i> <i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i> <i>For Moisture Barrier Backing, Add</i> <i>For Installation On Stairs, Each Riser, Add</i>	52.73 2.69 1.35 -0.79 -1.18 -2.17 -3.15 1.50 2.00 3.50 6.00	18.33
<b>09 68 16 00-0070</b>			<b>Indoor/Outdoor Carpet</b> (09 68 16) Note: Includes waterproof glue.		
09 68 16 00-0071	SY		Nylon Indoor/Outdoor Carpet.....	35.86	4.14
09 68 16 00-0072	SY		Ozite Indoor/Outdoor Carpet.....	29.10	4.14
<b>09 68 16 00-0073</b>			<b>Carpet Accessories</b> (09 68 16)		
09 68 16 00-0074	LF		Metal Carpet Saddle Strip, Up To 4" Wide.....	4.99	0.75
<b>09 68 16 00-0075</b>			<b>Removal And Reinstallation Of Carpet And Pad</b> (09 68 16) Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0076	SY		Removal And Reinstallation Of Carpet And Pad.....	22.13	
<b>09 68 16 00-0077</b>			<b>Carpeting Support Functions</b> (09 68 16)		
<b>09 68 16 00-0078</b>			<b>Relocate Partitions, Modular Work Stations</b> (09 68 16 00-0077) Note: Includes disassembly and reassembly of work station. Excludes electrical disconnection or reconnection.		
09 68 16 00-0079	EA		Relocate Modular Work Station.....	263.92	
<b>09 68 16 00-0080</b>			<b>Installation Of Owner Provided Broadloom Carpet</b> (09 68 16)		
09 68 16 00-0081	SY		Up To 24 Oz., Installation Of Owner Provided Broadloom Carpet..... Note: Includes adhesive for glue-down or tack strip for padded installations. <i>For Up To 15, Add</i> <i>For &gt;15 To 33, Add</i>	9.39 1.82 0.91	
09 68 16 00-0082	SY		>24 To 34 Oz., Installation Of Owner Provided Broadloom Carpet..... Note: Includes adhesive for glue-down or tack strip for padded installations. <i>For Up To 15, Add</i> <i>For &gt;15 To 33, Add</i>	10.91 2.13 1.06	
09 68 16 00-0083	SY		>34 Oz., Installation Of Owner Provided Broadloom Carpet..... Note: Includes adhesive for glue-down or tack strip for padded installations. <i>For Up To 15, Add</i> <i>For &gt;15 To 33, Add</i>	13.04 2.55 1.28	
<b>09 69 Access Flooring</b> (09 60)					
<b>09 69 13 Rigid-Grid Access Flooring</b> (09 69)					
<b>09 69 13 00-0001</b>			<b>Panels, No Covering</b> (09 69 13)		
09 69 13 00-0002	SF		2' x 2' Panels - No Covering Access And Pedestal Floors..... <i>For Carpet Covering, Add</i> <i>For Vinyl Floor Covering, Add</i>	12.55 2.77 1.91	0.75
<b>09 69 13 00-0003</b>			<b>Pedestals</b> (09 69 13)		
09 69 13 00-0004	EA		2-1/2" To 4" Finished Floor Height, Pedestal Assembly.....	22.58	3.77
09 69 13 00-0005	EA		6" To 12" Finished Floor Height, Pedestal Assembly.....	27.77	3.77
09 69 13 00-0006	EA		30" To 36" Finished Floor Height, Pedestal Assembly.....	32.73	3.77
<b>09 69 13 00-0007</b>			<b>Stringers</b> (09 69 13)		
09 69 13 00-0008	EA		2' Bolted Stringers, Access And Pedestal Floors.....	14.59	4.53
09 69 13 00-0009	EA		6' Bolted Stringers, Access And Pedestal Floors.....	39.91	11.31
<b>09 69 13 00-0010</b>			<b>Understructure</b> (09 69 13)		
09 69 13 00-0011	SF		Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height.....	6.01	1.13
<b>09 69 53 Access Flooring Accessories</b> (09 69)					
<b>09 69 53 00-0001</b>			<b>Accessories</b> (09 69 53)		
09 69 53 00-0002	EA		54" x 35" Ramp Assembly.....	334.72	
09 69 53 00-0003	LF		36" Handrail.....	32.87	
09 69 53 00-0004	LF		60" Handrail.....	45.96	5.28
09 69 53 00-0005	LF		Accessories, Fascia Plate Access And Pedestal Floors.....	19.15	5.28
09 69 53 00-0006	EA		Machine Cutouts.....	149.63	
09 69 53 00-0007	SF		Hammered Aluminum Finish Fascia..... Note: Includes trim angles and hardware (8", 12", 18", 24").	33.29	2.49
09 69 53 00-0008	EA		Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material.....	35.19	

**09 Finishes****09 60 Flooring****09 69 Access Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 69 53 00-0009	EA		Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003) .....	35.19	
09 69 53 00-0010	EA		Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4 .....	148.13	9.43
09 69 53 00-0011	EA		Flush Mounted Telephone Box (Grey/Black/Communications) .....	105.33	9.43
			Note: Includes cut hole.		
09 69 53 00-0012	EA		Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4 .....	148.13	9.43
09 69 53 00-0013	EA		Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2 .....	75.17	1.51
<b>09 69 53 00-0014</b>			<b>Final Cleaning For Computer Room Raised Floor System</b> <small>(09 69 53)</small>		
			Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.		
09 69 53 00-0015	SF		Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor .....	2.59	
09 69 53 00-0016	SF		Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath .....	2.68	
09 69 53 00-0017	SF		Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor .....	2.65	
<b>09 70 Wall Finishes</b>			<small>(09)</small>		
<b>09 72 Wall Coverings</b>			<small>(09 70)</small>		
<b>09 72 13 Cork Wall Coverings</b>			<small>(09 72)</small>		
<b>09 72 13 00-0001</b>			<b>Cork Wall Covering</b> <small>(09 72 13)</small>		
09 72 13 00-0002	SF		1/8" Cork Wall Covering .....	4.15	0.73
09 72 13 00-0003	SF		1/4" Cork Wall Covering .....	5.05	0.73
09 72 13 00-0004	SF		1/2" Cork Wall Covering .....	5.77	0.73
09 72 13 00-0005	SF		3/4" Cork Wall Covering .....	7.87	0.73
<b>09 72 16 Vinyl-Coated Fabric Wall Coverings</b>			<small>(09 72)</small>		
<b>09 72 16 13 Flexible Vinyl Wall Coverings</b>			<small>(09 72 16)</small>		
<b>09 72 16 13-0001</b>			<b>Vinyl Wall Coverings</b> <small>(09 72 16 13)</small>		
			Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 16 13-0002	SF		7-10 Oz/SY Vinyl Wall Covering .....	2.76	0.73
			For Owner Furnished Material, Deduct .....	-1.61	
09 72 16 13-0003	SF		11-14 Oz/SY Vinyl Wall Covering .....	3.56	0.73
			For Owner Furnished Material, Deduct .....	-2.34	
09 72 16 13-0004	SF		15-19 Oz/SY Vinyl Wall Covering .....	4.16	0.73
			For Owner Furnished Material, Deduct .....	-2.94	
09 72 16 13-0005	SF		20 To 25 Ounces/SY Vinyl Wall Covering .....	4.93	0.73
			For Owner Furnished Material, Deduct .....	-3.39	
09 72 16 13-0006	SF		26-32 Oz/SY Vinyl Wall Covering .....	5.73	0.73
			For Owner Furnished Material, Deduct .....	-4.12	
09 72 16 13-0007	SF		33-38 Oz/SY Vinyl Wall Covering .....	6.89	0.73
			For Owner Furnished Material, Deduct .....	-5.21	
<b>09 72 23 Wallpapering</b>			<small>(09 72)</small>		
<b>09 72 23 00-0001</b>			<b>Wallpaper Coverings</b> <small>(09 72 23)</small>		
			Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 23 00-0002	SF		Average Quality Wallpaper (Standard Grade) .....	1.95	0.97
09 72 23 00-0003	SF		High Quality Wallpaper (Designer Grade) .....	3.24	1.25
09 72 23 00-0004	SF		Textured Paintable Paper Installed On Ceiling .....	2.69	1.85
<b>09 73 Wall Carpeting</b>			<small>(09 70)</small>		
<b>09 73 00 00-0001</b>			<b>Carpet Wall Covering</b> <small>(09 73)</small>		
09 73 00 00-0002	SY		28 Ounce, Nylon Carpet Wall Covering .....	33.06	17.45
09 73 00 00-0003	SY		32 Ounce, Nylon Carpet Wall Covering .....	33.90	17.45
09 73 00 00-0004	SY		34 Ounce, Nylon Carpet Wall Covering .....	36.66	18.80
09 73 00 00-0005	SY		35 Ounce, Nylon Carpet Wall Covering .....	38.78	18.80
09 73 00 00-0006	SY		36 Ounce, Nylon Carpet Wall Covering .....	40.97	18.80
09 73 00 00-0007	SY		38 Ounce, Nylon Carpet Wall Covering .....	41.99	18.80
09 73 00 00-0008	SY		40 Ounce, Nylon Carpet Wall Covering .....	43.76	20.30
09 73 00 00-0009	SY		42 Ounce, Nylon Carpet Wall Covering .....	45.68	20.30
<b>09 74 Flexible Wood Sheets</b>			<small>(09 70)</small>		
<b>09 74 16 Flexible Wood Veneers</b>			<small>(09 74)</small>		
<b>09 74 16 00-0001</b>			<b>Flexible Wood Veneer</b> <small>(09 74 16)</small>		
09 74 16 00-0002	SF		1/32" Thick, Flexible Maple Wood Veneer .....	10.64	2.95
09 74 16 00-0003	SF		1/32" Thick, Flexible Oak Wood Veneer .....	10.94	2.95
09 74 16 00-0004	SF		1/32" Thick, Flexible Mahogany Wood Veneer .....	10.94	2.95
09 74 16 00-0005	SF		1/32" Thick, Flexible Birch Wood Veneer .....	11.24	2.95
09 74 16 00-0006	SF		1/32" Thick, Flexible Walnut Wood Veneer .....	12.74	2.95
09 74 16 00-0007	SF		1/32" Thick, Flexible Bamboo Wood Veneer .....	14.53	2.95
09 74 16 00-0008	SF		1/32" Thick, Flexible Fir Wood Veneer .....	16.62	2.95
<b>09 74 16 00-0009</b>			<b>Flexible Exotic Wood Veneer</b> <small>(09 74 16)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 74	16 00-0010	SF	1/32" Thick, Flexible Exotic Wood Veneer .....	21.81	2.95
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09 77 Special Wall Surfacing (09 70)

09 77 11 Special Wall Panels (09 77)

09 77 11 00-0001 Sanitary Wall Panels (09 77 11)

09 77 11 00-0002	SF	0.09" Thick Fire-X Glassboard With Surfseal .....	5.41	1.31	
Note: Attached with adhesive.					
For Mechanical Fastening, Add				0.84	
09 77 11 00-0003	SF	0.12" Thick Fire-X Glassboard With Surfseal .....	6.32	1.57	
Note: Attached with adhesive.					
For Mechanical Fastening, Add				1.00	

09 80 Acoustic Treatment (09)

09 81 Acoustic Insulation (09 80)

09 81 16 Acoustic Blanket Insulation (09 81)

09 81 16 00-0001 Sound Attenuation Fire Blankets (SAFB) (09 81 16)

09 81 16 00-0002 2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) (09 81 16 00-0001)

09 81 16 00-0003	SF	1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	1.71	0.31
09 81 16 00-0004	SF	2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	1.82	0.31
09 81 16 00-0005	SF	2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	1.98	0.31
09 81 16 00-0006	SF	3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	2.10	0.31
09 81 16 00-0007	SF	3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	2.26	0.31
09 81 16 00-0008	SF	4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	2.41	0.31
09 81 16 00-0009	SF	5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	2.61	0.31
09 81 16 00-0010	SF	6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	2.83	0.31

09 81 16 00-0011 4 PCF Density, Sound Attenuation Fire Blankets (SAFB) (09 81 16 00-0001)

09 81 16 00-0012	SF	1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	1.68	0.31
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09 81 16 00-0013 Sound Attenuation Batts (09 81 16)

Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.

09 81 16 00-0014	SF	2-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.07	0.42
09 81 16 00-0015	SF	3-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.13	0.42
09 81 16 00-0016	SF	3-1/2" Thick, Kraft Faced Sound Attenuation Batt.....	1.17	0.42
09 81 16 00-0017	SF	5-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.28	0.42
09 81 16 00-0018	SF	5-1/2" Thick, Kraft Faced Sound Attenuation Batt.....	1.32	0.42
09 81 16 00-0019	SF	6-1/4" Thick, Unfaced Sound Attenuation Batt.....	1.31	0.42
09 81 16 00-0020	SF	6-1/4" Thick, Kraft Faced Sound Attenuation Batt.....	1.35	0.42

09 84 Acoustic Room Components (09 80)

09 84 13 Fixed Sound-Absorptive Panels (09 84)

09 84 13 00-0001 Sound Absorbing Panels And Attenuation Blankets (09 84 13)

Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system.

09 84 13 00-0002	SF	3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler .....	9.71	2.09
09 84 13 00-0003	SF	1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls.....	14.11	2.09

09 84 13 00-0004 Sound Absorbing Acoustical Wall Panel System (09 84 13)

See CSI section 06 11 16 00-0196 for wood furring.

09 84 13 00-0005 Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System

(Armstrong® Soundsoak®) (09 84 13 00-0004)

Note: Includes tackable surface, molding and mounting hardware for flush mount.

09 84 13 00-0006	SF	5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl).....	11.24	2.36
09 84 13 00-0007	SF	3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®).....	10.47	2.36
09 84 13 00-0008	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701).....	12.91	2.36
09 84 13 00-0009	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™).....	12.93	2.36
09 84 13 00-0010	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinel™).....	14.16	2.36
09 84 13 00-0011	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™).....	14.16	2.36

09 84 13 00-0012 Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System

(Armstrong® Soundsoak®) (09 84 13 00-0004)

Note: Includes molding and mounting hardware for flush mount.

09 84 13 00-0013	SF	1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®).....	12.94	2.36
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**09 Finishes****09 80 Acoustic Treatment****09 84 Acoustic Room Components**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 84 13 00-0014	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701).....	14.95		2.36
09 84 13 00-0015	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™).....	14.95		2.36
09 84 13 00-0016	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™).....	16.96		2.36
09 84 13 00-0017	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™).....	16.96		2.36
<b>09 84 13 00-0018</b>		<b>Fabritec Acoustical Wall Panels (Guilford)</b> (09 84 13 00-0004)			
09 84 13 00-0019	EA	24" x 48" x 1-1/2" Thick Fabritec Acoustical Wall Panels ..... Note: Guilford FR701.	196.45		26.20
<b>09 84 13 00-0020</b>		<b>Sound Absorbing Panel, Eggcrate Style</b> (09 84 13)			
		Note: Ceiling or wall hung back.			
09 84 13 00-0021	SF	2" Thick Polyurethane Sound Wave (Eggcrate Style).....	9.48		
		For Pyramid Style, Add	1.18		
09 84 13 00-0022	SF	3" Thick Polyurethane Sound Wave (Eggcrate Style).....	12.28		
		For Pyramid Style, Add	1.18		
09 84 13 00-0023	SF	4" Thick Polyurethane Sound Wave (Eggcrate Style).....	15.72		
		For Pyramid Style, Add	1.18		
09 84 13 00-0024	SF	2" Thick Melamine Sound Wave (Eggcrate Style).....	11.91		
		For Eggcrate Style With Hypalon Coating, Add	1.97		
		For Pyramid Style, Add	2.05		
		For Pyramid Style With Hypalon Coating, Add	4.02		
09 84 13 00-0025	SF	3" Thick Melamine Sound Wave (Eggcrate Style).....	26.54		
		For Eggcrate Style With Hypalon Coating, Add	1.97		
		For Pyramid Style, Add	0.42		
		For Pyramid Style With Hypalon Coating, Add	2.40		
09 84 13 00-0026	SF	4" Thick Melamine Sound Wave (Eggcrate Style).....	33.97		
		For Eggcrate Style With Hypalon Coating, Add	1.97		
		For Pyramid Style, Add	0.42		
		For Pyramid Style With Hypalon Coating, Add	2.40		
<b>09 84 13 00-0027</b>		<b>Sound Deadening Fiberboard</b> (09 84 13)			
09 84 13 00-0028	SF	1/2" Sound Deadening Fiberboard.....	2.56		0.52
		For Horizontal Installation Up To 10' High, Add	0.33		
		For Horizontal Installation >10' High, Add	0.48		
		For Walls >10' High, Add	0.08		
		For Up To 128, Add	0.70		
		For >128 To 320, Add	0.40		
<b>09 90</b>		<b>Painting and Coating</b> (09)			
		Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0001 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required, 09 29 10 00-0037 for finishing existing wall surfaces or small holes not requiring patching in excess of items included above.			
<b>09 91</b>		<b>Painting</b> (09 90)			
<b>09 91 13</b>		<b>Exterior Painting</b> (09 91)			
		Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.			
09 91 13 00-0001		<b>Paint Exterior Walls/Siding</b> (09 91 13)			
09 91 13 00-0002		<b>Paint Exterior Brick Walls</b> (09 91 13 00-0001)			
09 91 13 00-0003	SF	1 Coat Filler, Brush Work, Paint Exterior Brick Walls.....	0.79		
		For Oil Based Paint, Add	0.05		
		For Work >15' To 20' Above Floor, Add	0.10		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.16		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.26		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.36		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.51		
		For >100 To 250, Add	0.24		
		For >250 To 500, Add	0.10		
		For >2,500 To 5,000, Deduct	-0.04		
		For >5,000 To 10,000, Deduct	-0.08		
		For >10,000 To 20,000, Deduct	-0.12		
		For >20,000, Deduct	-0.16		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0004 SF 1 Coat Paint, Brush Work, Paint Exterior Brick Walls .....	1.14	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.54	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.76	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 13 00-0005 SF 2 Coats Paint, Brush Work, Paint Exterior Brick Walls.....	1.63	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.33	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.52	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.72	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.03	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.33	
09 91 13 00-0006 SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls.....	0.53	
For Oil Based Paint, Add	0.03	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.10	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.16	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.21	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0007 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls .....	0.87	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0008 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls .....	1.29	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0009	SF 1 Coat Filler, Sprayed, Paint Exterior Brick Walls .....0.50		
	For Oil Based Paint, Add	0.03	
	For Work >15' To 20' Above Floor, Add	0.05	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.09	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.14	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.19	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.28	
	For >100 To 250, Add	0.14	
	For >250 To 500, Add	0.06	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 20,000, Deduct	-0.08	
	For >20,000, Deduct	-0.10	
09 91 13 00-0010	SF 1 Coat Paint, Sprayed, Paint Exterior Brick Walls .....0.50		
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.04	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.07	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.11	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.15	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.24	
	For >100 To 250, Add	0.12	
	For >250 To 500, Add	0.05	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 20,000, Deduct	-0.08	
	For >20,000, Deduct	-0.10	
09 91 13 00-0011	SF 2 Coats Paint, Sprayed, Paint Exterior Brick Walls .....1.07		
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.27	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.37	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.57	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 91 13 00-0012	LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Brick Walls .....0.19		
	For Oil Based Paint, Add	0.01	
	For Work >15' To 20' Above Floor, Add	0.02	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.04	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.06	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.09	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.12	
	For >100 To 250, Add	0.06	
	For >250 To 500, Add	0.03	
	For >2,500 To 5,000, Deduct	-0.01	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 20,000, Deduct	-0.03	
	For >20,000, Deduct	-0.04	
09 91 13 00-0013	Paint Exterior Concrete Walls (09 91 13 00-0001) .....0.68		
09 91 13 00-0014	SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Walls .....0.68		
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.31	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.44	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0015 SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Walls .....	0.73	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0016 SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Walls .....	1.38	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.48	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.66	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.93	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0017 SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls .....	0.55	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.17	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.24	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0018 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls .....	0.61	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0019 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls .....	1.03	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.21	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0020	SF		1 Coat Filler, Sprayed, Paint Exterior Concrete Walls.....	0.46	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.05	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.08	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.13	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.18	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 13 00-0021	SF		1 Coat Paint, Sprayed, Paint Exterior Concrete Walls .....	0.42	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.05	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.08	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.12	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.17	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.24	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91 13 00-0022	SF		2 Coats Paint, Sprayed, Paint Exterior Concrete Walls.....	0.72	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.20	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.27	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 13 00-0023	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Walls.....	0.13	
			For Oil Based Paint, Add	0.01	
			For Epoxy Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.03	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.04	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.06	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.09	
			For >100 To 250, Add	0.04	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 20,000, Deduct	-0.02	
			For >20,000, Deduct	-0.03	

09 91 13 00-0024 Paint Exterior Concrete Block Walls (09 91 13 00-0001)

09 91 13 00-0025 Paint Exterior Concrete Block Walls, Epoxy Paint (09 91 13 00-0024)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0026 SF 1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls .....	0.94	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.29	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.40	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0027 SF 1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls .....	1.08	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 13 00-0028 SF 2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls .....	1.88	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.37	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.58	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.80	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.16	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.38	
09 91 13 00-0029 SF 1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls .....	0.76	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0030 SF 1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls .....	0.85	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.51	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0031	SF 2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls .....	1.50	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.43	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.59	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.87	
	For >100 To 250, Add	0.42	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.23	
	For >20,000, Deduct	-0.30	
09 91 13 00-0032	SF 1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls .....	0.58	
	For Work >15' To 20' Above Floor, Add	0.05	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.08	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.13	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.18	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.29	
	For >100 To 250, Add	0.14	
	For >250 To 500, Add	0.06	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
09 91 13 00-0033	SF 1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls .....	0.65	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.10	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.16	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.22	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.34	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.13	
09 91 13 00-0034	SF 2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls .....	1.27	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.41	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.63	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.25	
09 91 13 00-0035	Paint Exterior Concrete Block Walls, Acrylic Latex Paint <small>(09 91 13 00-0024)</small> .....	0.87	
09 91 13 00-0036	SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls .....	0.87	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.29	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.40	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.57	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0037 SF 1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls .....	1.02	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0038 SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls .....	1.87	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.60	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.83	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.18	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.37	
09 91 13 00-0039 SF Texture Coat, Brush Work, Paint Exterior Concrete Block Walls .....	1.15	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.52	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.74	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 13 00-0040 SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls .....	0.68	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 13 00-0041 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls .....	0.86	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0042	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls .....	1.48	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.17	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.28	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.44	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.61	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.89	
	For >100 To 250, Add	0.43	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.22	
	For >20,000, Deduct	-0.30	
09 91 13 00-0043	SF Texture Coat, Brush/Roller Work, Paint Exterior Concrete Block Walls .....	0.97	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.42	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.60	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.19	
09 91 13 00-0044	SF 1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls .....	0.62	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.18	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.24	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.36	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
09 91 13 00-0045	SF 1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls .....	0.66	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.17	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.24	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.36	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.13	
09 91 13 00-0046	SF 2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls .....	1.04	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.42	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.61	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0047	SF	Texture Coat, Sprayed, Paint Exterior Concrete Block Walls.....	0.85		
		For Oil Based Paint, Add	0.06		
		For Work >15' To 20' Above Floor, Add	0.09		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.14		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.23		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.31		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.47		
		For >100 To 250, Add	0.23		
		For >250 To 500, Add	0.10		
		For >2,500 To 5,000, Deduct	-0.04		
		For >5,000 To 10,000, Deduct	-0.09		
		For >10,000 To 20,000, Deduct	-0.13		
		For >20,000, Deduct	-0.17		
09 91 13 00-0048	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls.....	0.17		
		For Oil Based Paint, Add	0.01		
		For Work >15' To 20' Above Floor, Add	0.02		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.04		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.06		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.08		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.11		
		For >100 To 250, Add	0.05		
		For >250 To 500, Add	0.02		
		For >2,500 To 5,000, Deduct	-0.01		
		For >5,000 To 10,000, Deduct	-0.02		
		For >10,000 To 20,000, Deduct	-0.03		
		For >20,000, Deduct	-0.03		

**09 91 13 00-0049 Paint Exterior Drywall/Plaster Walls** (09 91 13 00-0001)

09 91 13 00-0050	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall .....	0.70		
		For Oil Based Paint, Add	0.04		
		For Orange Peel Finish, Add	0.10		
		For Work >15' To 20' Above Floor, Add	0.09		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.15		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.23		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.32		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.45		
		For >100 To 250, Add	0.22		
		For >250 To 500, Add	0.09		
		For >2,500 To 5,000, Deduct	-0.04		
		For >5,000 To 10,000, Deduct	-0.07		
		For >10,000 To 20,000, Deduct	-0.11		
		For >20,000, Deduct	-0.14		
		For Epoxy Paint, Add	0.07		
09 91 13 00-0051	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls.....	0.76		
		For Oil Based Paint, Add	0.04		
		For Orange Peel Finish, Add	0.11		
		For Work >15' To 20' Above Floor, Add	0.10		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.17		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.27		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.37		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.52		
		For >100 To 250, Add	0.24		
		For >250 To 500, Add	0.11		
		For >2,500 To 5,000, Deduct	-0.04		
		For >5,000 To 10,000, Deduct	-0.08		
		For >10,000 To 20,000, Deduct	-0.11		
		For >20,000, Deduct	-0.15		
		For Epoxy Paint, Add	0.07		

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0052	SF 2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls.....	1.38	
	For Oil Based Paint, Add	0.08	
	For Orange Peel Finish, Add	0.20	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.30	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.48	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.66	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.93	
	For >100 To 250, Add	0.44	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.28	
	For Epoxy Paint, Add	0.12	
09 91 13 00-0053	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	0.55	
	For Oil Based Paint, Add	0.03	
	For Orange Peel Finish, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.17	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.24	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.34	
	For >100 To 250, Add	0.16	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.08	
	For >20,000, Deduct	-0.11	
	For Epoxy Paint, Add	0.06	
09 91 13 00-0054	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	0.55	
	For Oil Based Paint, Add	0.03	
	For Orange Peel Finish, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.18	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.25	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.36	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.08	
	For >20,000, Deduct	-0.11	
	For Epoxy Paint, Add	0.05	
09 91 13 00-0055	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	1.01	
	For Oil Based Paint, Add	0.06	
	For Orange Peel Finish, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.33	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.46	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.65	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
	For Epoxy Paint, Add	0.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0056 SF 1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls.....	0.46	
For Oil Based Paint, Add	0.03	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.08	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.13	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.18	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
For Epoxy Paint, Add	0.07	
09 91 13 00-0057 SF 1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls.....	0.49	
For Oil Based Paint, Add	0.03	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.15	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.20	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.30	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
For Epoxy Paint, Add	0.06	
09 91 13 00-0058 SF 2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls.....	0.79	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
For Epoxy Paint, Add	0.11	
09 91 13 00-0059 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Walls.....	0.13	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.03	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.04	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.06	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.09	
For >100 To 250, Add	0.04	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
For Epoxy Paint, Add	0.01	
09 91 13 00-0060 Paint Exterior Metal Walls (09 91 13 00-0001)		
09 91 13 00-0061 Paint Exterior Galvanized Walls (09 91 13 00-0060)		
Note: Linseed oil or acrylic latex paint.		

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0062	SF 1 Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces .....	0.85	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.52	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	
09 91 13 00-0063	SF 1 Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces .....	0.94	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.41	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.59	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 13 00-0064	SF 2 Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces .....	1.70	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.33	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.52	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.72	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.04	
	For >100 To 250, Add	0.50	
	For >250 To 500, Add	0.22	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.26	
	For >20,000, Deduct	-0.34	
09 91 13 00-0065	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls .....	0.63	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.19	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.26	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.38	
	For >100 To 250, Add	0.18	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.13	
09 91 13 00-0066	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls .....	0.73	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.31	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.45	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91	13 00-0067	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls .....1.37		
				For Work >15' To 20' Above Floor, Add	0.15	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.26	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.41	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.57	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.62	
				For >100 To 250, Add	0.39	
				For >250 To 500, Add	0.17	
				For >2,500 To 5,000, Deduct	-0.07	
				For >5,000 To 10,000, Deduct	-0.14	
				For >10,000 To 20,000, Deduct	-0.21	
				For >20,000, Deduct	-0.27	
	09 91	13 00-0068	SF	1 Coat Primer, Sprayed, Paint Exterior Galvanized Walls.....0.51		
				For Work >15' To 20' Above Floor, Add	0.04	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.07	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.11	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.15	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.24	
				For >100 To 250, Add	0.12	
				For >250 To 500, Add	0.05	
				For >2,500 To 5,000, Deduct	-0.03	
				For >5,000 To 10,000, Deduct	-0.05	
				For >10,000 To 20,000, Deduct	-0.08	
				For >20,000, Deduct	-0.10	
	09 91	13 00-0069	SF	1 Coat Paint, Sprayed, Paint Exterior Galvanized Walls .....0.67		
				For Work >15' To 20' Above Floor, Add	0.07	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.11	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.18	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.24	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.36	
				For >100 To 250, Add	0.18	
				For >250 To 500, Add	0.08	
				For >2,500 To 5,000, Deduct	-0.03	
				For >5,000 To 10,000, Deduct	-0.07	
				For >10,000 To 20,000, Deduct	-0.10	
				For >20,000, Deduct	-0.13	
	09 91	13 00-0070	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls .....1.12		
				For Work >15' To 20' Above Floor, Add	0.10	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.17	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.27	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.37	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.57	
				For >100 To 250, Add	0.28	
				For >250 To 500, Add	0.12	
				For >2,500 To 5,000, Deduct	-0.06	
				For >5,000 To 10,000, Deduct	-0.11	
				For >10,000 To 20,000, Deduct	-0.17	
				For >20,000, Deduct	-0.22	
	09 91	13 00-0071		<b>Paint Exterior Aluminum And Aluminum Alloy Walls</b> (09 91 13 00-0060).....0.85		
				Note: Alkyd enamel paint.		
	09 91	13 00-0072	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces .....0.85		
				For Work >15' To 20' Above Floor, Add	0.10	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.16	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.26	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.36	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.52	
				For >100 To 250, Add	0.25	
				For >250 To 500, Add	0.11	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.09	
				For >10,000 To 20,000, Deduct	-0.13	
				For >20,000, Deduct	-0.17	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0073	SF		1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces .....	0.94	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0074	SF		2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	1.69	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.33	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.52	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.72	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.03	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.34	
09 91 13 00-0075	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	0.70	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.19	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.26	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 13 00-0076	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls .....	0.79	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.31	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0077	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	1.48	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.26	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.41	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.57	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.84	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.30	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0078	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls.....	0.57	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.05	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.09	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.14	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.19	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.29	
		<i>For &gt;100 To 250, Add</i>	0.14	
		<i>For &gt;250 To 500, Add</i>	0.06	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09	
		<i>For &gt;20,000, Deduct</i>	-0.11	

09 91 13 00-0079	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls.....	0.67	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.11	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.18	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.24	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.36	
		<i>For &gt;100 To 250, Add</i>	0.18	
		<i>For &gt;250 To 500, Add</i>	0.08	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10	
		<i>For &gt;20,000, Deduct</i>	-0.13	

09 91 13 00-0080	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls.....	1.12	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.17	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.27	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.37	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.57	
		<i>For &gt;100 To 250, Add</i>	0.28	
		<i>For &gt;250 To 500, Add</i>	0.12	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17	
		<i>For &gt;20,000, Deduct</i>	-0.22	

**09 91 13 00-0081 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks** (09 91 13 00-0060)

09 91 13 00-0082	LF	1 Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	11.15	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	1.50	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	2.50	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	4.00	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	5.51	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	7.68	
		<i>For &gt;100 To 250, Add</i>	3.62	
		<i>For &gt;250 To 500, Add</i>	1.56	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.56	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-1.12	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-1.67	
		<i>For &gt;20,000, Deduct</i>	-2.23	

09 91 13 00-0083	LF	1 Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	12.41	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	1.67	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	2.78	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	4.45	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	6.12	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	8.54	
		<i>For &gt;100 To 250, Add</i>	4.02	
		<i>For &gt;250 To 500, Add</i>	1.73	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.62	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-1.24	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-1.86	
		<i>For &gt;20,000, Deduct</i>	-2.48	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0084	LF 2 Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	23.19	
	For Work >15' To 20' Above Floor, Add	3.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	5.23	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	8.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	11.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	16.03	
	For >100 To 250, Add	7.55	
	For >250 To 500, Add	3.25	
	For >2,500 To 5,000, Deduct	-1.16	
	For >5,000 To 10,000, Deduct	-2.32	
	For >10,000 To 20,000, Deduct	-3.48	
	For >20,000, Deduct	-4.64	
<b>09 91 13 00-0085</b>	<b>Paint Exterior Corrugated Metal Walls</b> (09 91 13 00-0060)		
09 91 13 00-0086	SF 1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls.....	0.63	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.09	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.15	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.20	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.32	
	For >100 To 250, Add	0.16	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.13	
09 91 13 00-0087	SF 1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls.....	0.86	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.33	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.49	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	
09 91 13 00-0088	SF 2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls.....	1.41	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.36	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.49	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.75	
	For >100 To 250, Add	0.36	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.28	
<b>09 91 13 00-0089</b>	<b>Paint Exterior Stucco Walls</b> (09 91 13 00-0001)		
09 91 13 00-0090	SF 1 Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces.....	1.17	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.26	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.41	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.57	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.79	
	For >100 To 250, Add	0.37	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.23	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0091	SF		1 Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces .....	1.28	
				For Oil Based Paint, Add	0.07	
				For Work >15' To 20' Above Floor, Add	0.17	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.28	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.45	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.62	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.86	
				For >100 To 250, Add	0.41	
				For >250 To 500, Add	0.18	
				For >2,500 To 5,000, Deduct	-0.06	
				For >5,000 To 10,000, Deduct	-0.13	
				For >10,000 To 20,000, Deduct	-0.19	
				For >20,000, Deduct	-0.26	
09 91	13 00-0092	SF		2 Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces .....	2.37	
				For Oil Based Paint, Add	0.13	
				For Work >15' To 20' Above Floor, Add	0.31	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.51	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.82	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	1.13	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.59	
				For >100 To 250, Add	0.75	
				For >250 To 500, Add	0.32	
				For >2,500 To 5,000, Deduct	-0.12	
				For >5,000 To 10,000, Deduct	-0.24	
				For >10,000 To 20,000, Deduct	-0.36	
				For >20,000, Deduct	-0.47	
09 91	13 00-0093	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls .....	0.88	
				For Oil Based Paint, Add	0.05	
				For Work >15' To 20' Above Floor, Add	0.11	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.19	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.30	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.41	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.58	
				For >100 To 250, Add	0.27	
				For >250 To 500, Add	0.12	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.09	
				For >10,000 To 20,000, Deduct	-0.13	
				For >20,000, Deduct	-0.18	
09 91	13 00-0094	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls .....	0.99	
				For Oil Based Paint, Add	0.06	
				For Work >15' To 20' Above Floor, Add	0.12	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.21	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.33	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.46	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.65	
				For >100 To 250, Add	0.31	
				For >250 To 500, Add	0.13	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.10	
				For >10,000 To 20,000, Deduct	-0.15	
				For >20,000, Deduct	-0.20	
09 91	13 00-0095	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls .....	1.82	
				For Oil Based Paint, Add	0.11	
				For Work >15' To 20' Above Floor, Add	0.23	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.38	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.60	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.83	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.17	
				For >100 To 250, Add	0.56	
				For >250 To 500, Add	0.24	
				For >2,500 To 5,000, Deduct	-0.09	
				For >5,000 To 10,000, Deduct	-0.18	
				For >10,000 To 20,000, Deduct	-0.27	
				For >20,000, Deduct	-0.36	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0096	SF		1 Coat Primer, Sprayed, Paint Exterior Stucco Walls.....	0.63	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.38	
			<i>For &gt;100 To 250, Add</i>	0.18	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09	
			<i>For &gt;20,000, Deduct</i>	-0.13	
09 91 13 00-0097	SF		1 Coat Paint, Sprayed, Paint Exterior Stucco Walls.....	0.77	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.45	
			<i>For &gt;100 To 250, Add</i>	0.22	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
			<i>For &gt;20,000, Deduct</i>	-0.15	
09 91 13 00-0098	SF		2 Coats Paint, Sprayed, Paint Exterior Stucco Walls.....	1.49	
			<i>For Oil Based Paint, Add</i>	0.09	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.28	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.45	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.62	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.90	
			<i>For &gt;100 To 250, Add</i>	0.43	
			<i>For &gt;250 To 500, Add</i>	0.19	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.22	
			<i>For &gt;20,000, Deduct</i>	-0.30	
09 91 13 00-0099	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Stucco Wall Surfaces.....	0.21	
			<i>For Oil Based Paint, Add</i>	0.01	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.03	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.05	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.14	
			<i>For &gt;100 To 250, Add</i>	0.07	
			<i>For &gt;250 To 500, Add</i>	0.03	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.03	
			<i>For &gt;20,000, Deduct</i>	-0.04	
09 91 13 00-0100			Paint Exterior Wood Siding (09 91 13 00-0001)		
09 91 13 00-0101			Paint Exterior Smooth Wood Siding (09 91 13 00-0100)		
			<i>Note: Includes tongue and groove, beveled, drop or board and batten siding.</i>		
09 91 13 00-0102	SF		1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding.....	0.84	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.37	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.53	
			<i>For &gt;100 To 250, Add</i>	0.25	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0103 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding.....	0.89	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 13 00-0104 SF 2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding.....	1.58	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.33	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.52	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.72	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.02	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 13 00-0105 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	0.65	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0106 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	0.72	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0107 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	1.35	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.41	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.57	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0108	SF 1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding.....	0.52	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.05	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.09	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.14	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.19	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.28	
	For >100 To 250, Add	0.14	
	For >250 To 500, Add	0.06	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 20,000, Deduct	-0.08	
	For >20,000, Deduct	-0.10	
09 91 13 00-0109	SF 1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding.....	0.62	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.18	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.24	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.36	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
09 91 13 00-0110	SF 2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding.....	1.02	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.27	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.37	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.56	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 13 00-0111	LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Siding.....	0.14	
	For Oil Based Paint, Add	0.01	
	For Work >15' To 20' Above Floor, Add	0.02	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.03	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.05	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.07	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.09	
	For >100 To 250, Add	0.04	
	For >250 To 500, Add	0.02	
	For >2,500 To 5,000, Deduct	-0.01	
	For >5,000 To 10,000, Deduct	-0.01	
	For >10,000 To 20,000, Deduct	-0.02	
	For >20,000, Deduct	-0.03	
09 91 13 00-0112	Paint Exterior Rough Wood Siding (09 91 13 00-0100)		
	Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0113	SF Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Primer, Brush Work.....	1.30	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.17	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.28	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.45	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.62	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.87	
	For >100 To 250, Add	0.41	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.26	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0114	SF		Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Paint, Brush Work.....1.32		
				For Oil Based Paint, Add	0.07	
				For Work >15' To 20' Above Floor, Add	0.18	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.30	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.47	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.65	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.91	
				For >100 To 250, Add	0.43	
				For >250 To 500, Add	0.18	
				For >2,500 To 5,000, Deduct	-0.07	
				For >5,000 To 10,000, Deduct	-0.13	
				For >10,000 To 20,000, Deduct	-0.20	
				For >20,000, Deduct	-0.26	
09 91	13 00-0115	SF		Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 2 Coats Paint, Brush Work .....2.43		
				For Oil Based Paint, Add	0.14	
				For Work >15' To 20' Above Floor, Add	0.32	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.54	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.86	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	1.18	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.65	
				For >100 To 250, Add	0.78	
				For >250 To 500, Add	0.34	
				For >2,500 To 5,000, Deduct	-0.12	
				For >5,000 To 10,000, Deduct	-0.24	
				For >10,000 To 20,000, Deduct	-0.36	
				For >20,000, Deduct	-0.49	
09 91	13 00-0116	SF		Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Brush/Roller Work .....1.13		
				For Oil Based Paint, Add	0.07	
				For Work >15' To 20' Above Floor, Add	0.12	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.21	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.33	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.46	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.67	
				For >100 To 250, Add	0.32	
				For >250 To 500, Add	0.14	
				For >2,500 To 5,000, Deduct	-0.06	
				For >5,000 To 10,000, Deduct	-0.11	
				For >10,000 To 20,000, Deduct	-0.17	
				For >20,000, Deduct	-0.23	
09 91	13 00-0117	SF		Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Brush/Roller Work.....1.24		
				For Oil Based Paint, Add	0.08	
				For Work >15' To 20' Above Floor, Add	0.14	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.24	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.38	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.52	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.75	
				For >100 To 250, Add	0.36	
				For >250 To 500, Add	0.16	
				For >2,500 To 5,000, Deduct	-0.06	
				For >5,000 To 10,000, Deduct	-0.12	
				For >10,000 To 20,000, Deduct	-0.19	
				For >20,000, Deduct	-0.25	
09 91	13 00-0118	SF		Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Brush/Roller Work .....2.28		
				For Oil Based Paint, Add	0.14	
				For Work >15' To 20' Above Floor, Add	0.25	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.42	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.67	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.92	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.35	
				For >100 To 250, Add	0.65	
				For >250 To 500, Add	0.28	
				For >2,500 To 5,000, Deduct	-0.11	
				For >5,000 To 10,000, Deduct	-0.23	
				For >10,000 To 20,000, Deduct	-0.34	
				For >20,000, Deduct	-0.46	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0119	SF		Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Sprayed .....	0.81	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.31	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0120	SF		Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Sprayed .....	0.92	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 13 00-0121	SF		Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Sprayed.....	1.74	
			For Oil Based Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.49	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.68	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.00	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.35	
<b>09 91 13 00-0122</b>			<b>Paint Exterior Vinyl Siding (09 91 13 00-0001)</b>		
09 91 13 00-0123	SF		Paint Exterior Vinyl Siding, 1 Coat Primer, Brush Work .....	0.72	
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.31	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 13 00-0124	SF		Paint Exterior Vinyl Siding, 1 Coat Paint, Brush Work.....	0.79	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.35	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0125 SF Paint Exterior Vinyl Siding, 2 Coats Paint, Brush Work.....	1.47	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.28	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.45	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.62	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.89	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 13 00-0126 SF Paint Exterior Vinyl Siding, 1 Coat Primer, Brush/Roller Work.....	0.65	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0127 SF Paint Exterior Vinyl Siding, 1 Coat Paint, Brush/Roller Work.....	0.65	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0128 SF Paint Exterior Vinyl Siding, 2 Coats Paint, Brush/Roller Work.....	1.20	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0129 SF Paint Exterior Vinyl Siding, 1 Coat Primer, Sprayed.....	0.57	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.14	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.19	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0130	SF		Paint Exterior Vinyl Siding, 1 Coat Paint, Sprayed.....	0.64	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.05	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.09	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.14	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.19	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.30	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0131	SF		Paint Exterior Vinyl Siding, 2 Coats Paint, Sprayed.....	1.25	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0132	LF		Paint Exterior Vinyl Siding, 1 Coat Paint, Cut-in Brush Work.....	0.13	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.03	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.04	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.06	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.08	
			For >100 To 250, Add	0.04	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 20,000, Deduct	-0.02	
			For >20,000, Deduct	-0.03	
09 91 13 00-0133			Paint Exterior Ceilings (09 91 13)		
09 91 13 00-0134			Paint Exterior Concrete Ceilings (09 91 13 00-0133)		
09 91 13 00-0135	SF		1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling.....	0.77	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.36	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	
09 91 13 00-0136	SF		1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling.....	0.83	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.17	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0137 SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling.....	1.48	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.33	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.52	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.72	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.00	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.30	
09 91 13 00-0138 SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling.....	0.59	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0139 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling .....	0.65	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0140 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling.....	1.21	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.41	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.57	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.80	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0141 SF 1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling .....	0.48	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.14	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.19	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0142	SF		1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling .....	0.56	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.24	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0143	SF		2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling .....	0.90	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 13 00-0144	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Ceiling .....	0.14	
			For Oil Based Paint, Add	0.01	
			For Epoxy Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.03	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.05	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.07	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.09	
			For >100 To 250, Add	0.04	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 20,000, Deduct	-0.02	
			For >20,000, Deduct	-0.03	
09 91 13 00-0145			<b>Drywall/Plaster</b> (09 91 13 00-0133)		
09 91 13 00-0146	SF		1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling .....	0.77	
			For Oil Based Paint, Add	0.04	
			For Orange Peel Finish, Add	0.11	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.36	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	
			For Epoxy Paint, Add	0.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0147 SF 1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling .....	0.84	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.12	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
For Epoxy Paint, Add	0.07	
09 91 13 00-0148 SF 2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling .....	1.49	
For Oil Based Paint, Add	0.08	
For Orange Peel Finish, Add	0.21	
For Epoxy Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.33	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.52	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.72	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.01	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.30	
For Epoxy Paint, Add	0.13	
09 91 13 00-0149 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling .....	0.58	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.08	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.25	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Epoxy Paint, Add	0.07	
09 91 13 00-0150 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling .....	0.65	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.09	
For Epoxy Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
For Epoxy Paint, Add	0.06	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0151	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling .....	1.21	
			For Oil Based Paint, Add	0.07	
			For Orange Peel Finish, Add	0.17	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.26	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.41	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.57	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
			For Epoxy Paint, Add	0.11	
09 91 13 00-0152	SF		1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling .....	0.47	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.05	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.08	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.13	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.18	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
			For Epoxy Paint, Add	0.07	
09 91 13 00-0153	SF		1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling .....	0.57	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.25	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.11	
			For Epoxy Paint, Add	0.06	
09 91 13 00-0154	SF		2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling .....	0.90	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
			For Epoxy Paint, Add	0.11	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0155	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	0.14	
		For Oil Based Paint, Add	0.01	
		For Epoxy Paint, Add	0.01	
		For Work >15' To 20' Above Floor, Add	0.02	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.03	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.05	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.07	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.09	
		For >100 To 250, Add	0.04	
		For >250 To 500, Add	0.02	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.01	
		For >10,000 To 20,000, Deduct	-0.02	
		For >20,000, Deduct	-0.03	
		For Epoxy Paint, Add	0.01	

09 91 13 00-0156 Paint Exterior Wood Ceilings (09 91 13 00-0133)

09 91 13 00-0157 Paint Exterior Smooth Wood Ceilings (09 91 13 00-0156)

09 91 13 00-0158	SF	Paint Exterior Wood Smooth Ceiling, 1 Coat Primer, Brush Work.....	0.93	
		For Oil Based Paint, Add	0.05	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.19	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.31	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.42	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.60	
		For >100 To 250, Add	0.29	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	

09 91 13 00-0159	SF	Paint Exterior Wood Smooth Ceiling, 1 Coat Paint, Brush Work.....	0.98	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.46	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.65	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.20	

09 91 13 00-0160	SF	Paint Exterior Wood Smooth Ceiling, 2 Coats Paint, Brush Work.....	1.78	
		For Oil Based Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.23	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.38	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.60	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.83	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.17	
		For >100 To 250, Add	0.55	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.27	
		For >20,000, Deduct	-0.36	

09 91 13 00-0161	SF	Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.74	
		For Oil Based Paint, Add	0.05	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.14	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.22	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.31	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.45	
		For >100 To 250, Add	0.21	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.15	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0162	SF Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work .....	0.81	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.51	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 13 00-0163	SF Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work .....	1.44	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.17	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.28	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.45	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.62	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.89	
	For >100 To 250, Add	0.42	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.22	
	For >20,000, Deduct	-0.29	
09 91 13 00-0164	SF Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Sprayed .....	0.58	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.18	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.24	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.35	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
09 91 13 00-0165	SF Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Sprayed .....	0.58	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.18	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.24	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.35	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
09 91 13 00-0166	SF Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Sprayed .....	1.06	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.31	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.43	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.63	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0167	LF Paint Exterior Wood Smooth Ceiling, 1 Coat Paint, Cut-in Brush Work .....	0.16	
	For Oil Based Paint, Add	0.01	
	For Work >15' To 20' Above Floor, Add	0.02	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.04	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.06	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.08	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.11	
	For >100 To 250, Add	0.05	
	For >250 To 500, Add	0.02	
	For >2,500 To 5,000, Deduct	-0.01	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 20,000, Deduct	-0.02	
	For >20,000, Deduct	-0.03	

**09 91 13 00-0168 Paint Exterior Rough Wood Ceilings (09 91 13 00-0156)**

09 91 13 00-0169	SF Paint Exterior Wood Rough Ceiling, 1 Coat Primer, Brush Work .....	1.40	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.29	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.47	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.64	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.91	
	For >100 To 250, Add	0.43	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.28	

09 91 13 00-0170	SF Paint Exterior Wood Rough Ceiling, 1 Coat Paint, Brush Work .....	1.45	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.33	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.52	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.72	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.00	
	For >100 To 250, Add	0.47	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.22	
	For >20,000, Deduct	-0.29	

09 91 13 00-0171	SF Paint Exterior Wood Rough Ceiling, 2 Coats Paint, Brush Work .....	2.52	
	For Oil Based Paint, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.34	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.56	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.90	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.23	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.72	
	For >100 To 250, Add	0.81	
	For >250 To 500, Add	0.35	
	For >2,500 To 5,000, Deduct	-0.13	
	For >5,000 To 10,000, Deduct	-0.25	
	For >10,000 To 20,000, Deduct	-0.38	
	For >20,000, Deduct	-0.50	

09 91 13 00-0172	SF Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Brush/Roller Work .....	1.24	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.24	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.38	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.52	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.75	
	For >100 To 250, Add	0.36	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.25	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0173	SF Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Brush/Roller Work .....1.33		
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.26	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.41	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.57	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.82	
	For >100 To 250, Add	0.39	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.27	
09 91 13 00-0174	SF Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Brush/Roller Work .....2.37		
	For Oil Based Paint, Add	0.15	
	For Work >15' To 20' Above Floor, Add	0.27	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.44	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.71	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.97	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.42	
	For >100 To 250, Add	0.68	
	For >250 To 500, Add	0.30	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.24	
	For >10,000 To 20,000, Deduct	-0.36	
	For >20,000, Deduct	-0.47	
09 91 13 00-0175	SF Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Sprayed .....0.92		
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.27	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.37	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.18	
09 91 13 00-0176	SF Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Sprayed.....1.02		
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.31	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.42	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.62	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 13 00-0177	SF Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Sprayed .....1.86		
	For Oil Based Paint, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.34	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.54	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.74	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.09	
	For >100 To 250, Add	0.52	
	For >250 To 500, Add	0.23	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.28	
	For >20,000, Deduct	-0.37	

09 91 13 00-0178 Paint Exterior Metal Ceilings (09 91 13 00-0133)

09 91 13 00-0179 Paint Exterior Galvanized Ceilings (09 91 13 00-0178)  
 Note: Linseed oil or acrylic latex paint.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0180 SF Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush Work.....	0.94	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0181 SF Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush Work.....	1.04	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0182 SF Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush Work.....	1.89	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.60	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.83	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.18	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.38	
09 91 13 00-0183 SF Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.72	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0184 SF Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.81	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0185	SF		Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work .....	1.44	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.45	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.62	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
09 91 13 00-0186	SF		Paint Exterior Galvanized Ceiling, 1 Coat Primer, Sprayed .....	0.67	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.24	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0187	SF		Paint Exterior Galvanized Ceiling, 1 Coat Paint, Sprayed .....	0.78	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0188	SF		Paint Exterior Galvanized Ceiling, 2 Coats Paint, Sprayed .....	1.23	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.25	
09 91 13 00-0189			<b>Paint Exterior Aluminum And Aluminum Alloy Ceilings</b> (09 91 13 00-0178)		
			Note: Alkyd enamel paint.		
09 91 13 00-0190	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work .....	0.94	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91	13 00-0191	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work .....1.04		
				For Work >15' To 20' Above Floor, Add	0.13	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.21	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.34	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.46	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.66	
				For >100 To 250, Add	0.31	
				For >250 To 500, Add	0.14	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.10	
				For >10,000 To 20,000, Deduct	-0.16	
				For >20,000, Deduct	-0.21	
	09 91	13 00-0192	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work .....1.89		
				For Work >15' To 20' Above Floor, Add	0.23	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.38	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.60	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.83	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.18	
				For >100 To 250, Add	0.56	
				For >250 To 500, Add	0.24	
				For >2,500 To 5,000, Deduct	-0.09	
				For >5,000 To 10,000, Deduct	-0.19	
				For >10,000 To 20,000, Deduct	-0.28	
				For >20,000, Deduct	-0.38	
	09 91	13 00-0193	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work .....0.79		
				For Work >15' To 20' Above Floor, Add	0.08	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.14	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.22	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.31	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.45	
				For >100 To 250, Add	0.22	
				For >250 To 500, Add	0.10	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.08	
				For >10,000 To 20,000, Deduct	-0.12	
				For >20,000, Deduct	-0.16	
	09 91	13 00-0194	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work .....0.88		
				For Work >15' To 20' Above Floor, Add	0.10	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.16	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.26	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.36	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.52	
				For >100 To 250, Add	0.25	
				For >250 To 500, Add	0.11	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.09	
				For >10,000 To 20,000, Deduct	-0.13	
				For >20,000, Deduct	-0.18	
	09 91	13 00-0195	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work .....1.57		
				For Work >15' To 20' Above Floor, Add	0.17	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.28	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.45	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.62	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.91	
				For >100 To 250, Add	0.44	
				For >250 To 500, Add	0.19	
				For >2,500 To 5,000, Deduct	-0.08	
				For >5,000 To 10,000, Deduct	-0.16	
				For >10,000 To 20,000, Deduct	-0.24	
				For >20,000, Deduct	-0.31	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0196	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed .....	0.67	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.36	
			<i>For &gt;100 To 250, Add</i>	0.18	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10	
			<i>For &gt;20,000, Deduct</i>	-0.13	
09 91 13 00-0197	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed .....	0.67	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.36	
			<i>For &gt;100 To 250, Add</i>	0.18	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10	
			<i>For &gt;20,000, Deduct</i>	-0.13	
09 91 13 00-0198	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed .....	1.23	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.43	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.65	
			<i>For &gt;100 To 250, Add</i>	0.32	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.18	
			<i>For &gt;20,000, Deduct</i>	-0.25	
09 91 13 00-0199			<b>Paint Exterior Corrugated Metal Ceilings</b> (09 91 13 00-0178)		
09 91 13 00-0200	SF		Paint Exterior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed .....	0.74	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.40	
			<i>For &gt;100 To 250, Add</i>	0.19	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11	
			<i>For &gt;20,000, Deduct</i>	-0.15	
09 91 13 00-0201	SF		Paint Exterior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed .....	0.86	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.33	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.49	
			<i>For &gt;100 To 250, Add</i>	0.24	
			<i>For &gt;250 To 500, Add</i>	0.10	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.17	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91 13 00-0202	SF		Paint Exterior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed .....	1.55	
				For Work >15' To 20' Above Floor, Add	0.15	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.26	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.41	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.57	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.85	
				For >100 To 250, Add	0.41	
				For >250 To 500, Add	0.18	
				For >2,500 To 5,000, Deduct	-0.08	
				For >5,000 To 10,000, Deduct	-0.16	
				For >10,000 To 20,000, Deduct	-0.23	
				For >20,000, Deduct	-0.31	
	09 91 13 00-0203			Paint Exterior Floors (09 91 13)		
	09 91 13 00-0204			Paint Exterior Concrete Floors (09 91 13 00-0203)		
	09 91 13 00-0205	SF		1 Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks .....	0.59	
				For Oil Based Paint, Add	0.04	
				For Epoxy Paint, Add	0.07	
				For Up To 100, Add	0.37	
				For >100 To 250, Add	0.18	
				For >250 To 500, Add	0.08	
				For >2,500 To 5,000, Deduct	-0.03	
				For >5,000 To 10,000, Deduct	-0.06	
				For >10,000 To 20,000, Deduct	-0.09	
				For >20,000, Deduct	-0.12	
	09 91 13 00-0206	SF		1 Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks .....	0.65	
				For Oil Based Paint, Add	0.04	
				For Epoxy Paint, Add	0.06	
				For Up To 100, Add	0.43	
				For >100 To 250, Add	0.21	
				For >250 To 500, Add	0.09	
				For >2,500 To 5,000, Deduct	-0.03	
				For >5,000 To 10,000, Deduct	-0.07	
				For >10,000 To 20,000, Deduct	-0.10	
				For >20,000, Deduct	-0.13	
	09 91 13 00-0207	SF		2 Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks .....	1.21	
				For Oil Based Paint, Add	0.07	
				For Epoxy Paint, Add	0.11	
				For Up To 100, Add	0.80	
				For >100 To 250, Add	0.38	
				For >250 To 500, Add	0.16	
				For >2,500 To 5,000, Deduct	-0.06	
				For >5,000 To 10,000, Deduct	-0.12	
				For >10,000 To 20,000, Deduct	-0.18	
				For >20,000, Deduct	-0.24	
	09 91 13 00-0208	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	0.49	
				For Oil Based Paint, Add	0.03	
				For Epoxy Paint, Add	0.06	
				For Up To 100, Add	0.30	
				For >100 To 250, Add	0.14	
				For >250 To 500, Add	0.06	
				For >2,500 To 5,000, Deduct	-0.02	
				For >5,000 To 10,000, Deduct	-0.05	
				For >10,000 To 20,000, Deduct	-0.07	
				For >20,000, Deduct	-0.10	
	09 91 13 00-0209	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	0.56	
				For Oil Based Paint, Add	0.03	
				For Epoxy Paint, Add	0.06	
				For Up To 100, Add	0.37	
				For >100 To 250, Add	0.17	
				For >250 To 500, Add	0.08	
				For >2,500 To 5,000, Deduct	-0.03	
				For >5,000 To 10,000, Deduct	-0.06	
				For >10,000 To 20,000, Deduct	-0.08	
				For >20,000, Deduct	-0.11	
	09 91 13 00-0210	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	0.91	
				For Oil Based Paint, Add	0.05	
				For Epoxy Paint, Add	0.10	
				For Up To 100, Add	0.57	
				For >100 To 250, Add	0.27	
				For >250 To 500, Add	0.12	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.09	
				For >10,000 To 20,000, Deduct	-0.14	
				For >20,000, Deduct	-0.18	
	09 91 13 00-0211	SF		1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks .....	0.36	
				For Oil Based Paint, Add	0.03	
				For Epoxy Paint, Add	0.06	
				For Up To 100, Add	0.19	
				For >100 To 250, Add	0.09	
				For >250 To 500, Add	0.04	
				For >2,500 To 5,000, Deduct	-0.02	
				For >5,000 To 10,000, Deduct	-0.04	
				For >10,000 To 20,000, Deduct	-0.05	
				For >20,000, Deduct	-0.07	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0212	SF		1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks .....	0.46	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Epoxy Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.27	
			<i>For &gt;100 To 250, Add</i>	0.13	
			<i>For &gt;250 To 500, Add</i>	0.06	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.02	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.07	
			<i>For &gt;20,000, Deduct</i>	-0.09	
09 91 13 00-0213	SF		2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks .....	0.79	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Epoxy Paint, Add</i>	0.11	
			<i>For Up To 100, Add</i>	0.45	
			<i>For &gt;100 To 250, Add</i>	0.22	
			<i>For &gt;250 To 500, Add</i>	0.10	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
			<i>For &gt;20,000, Deduct</i>	-0.16	
09 91 13 00-0214	SF		1 Coat Non Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	1.57	
			<i>For Up To 100, Add</i>	0.52	
			<i>For &gt;100 To 250, Add</i>	0.27	
			<i>For &gt;250 To 500, Add</i>	0.13	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.16	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.24	
			<i>For &gt;20,000, Deduct</i>	-0.31	
09 91 13 00-0215	SF		1 Coat Anti-Slip, Single Component Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	3.69	
			<i>For Up To 100, Add</i>	0.84	
			<i>For &gt;100 To 250, Add</i>	0.49	
			<i>For &gt;250 To 500, Add</i>	0.23	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.18	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.37	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.55	
			<i>For &gt;20,000, Deduct</i>	-0.74	
09 91 13 00-0216	SF		1 Coat Anti-Slip High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	4.58	
			<i>For Up To 100, Add</i>	0.97	
			<i>For &gt;100 To 250, Add</i>	0.58	
			<i>For &gt;250 To 500, Add</i>	0.28	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.23	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.46	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.69	
			<i>For &gt;20,000, Deduct</i>	-0.92	
09 91 13 00-0217	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Floors And Decks .....	0.11	
			<i>For Up To 100, Add</i>	0.07	
			<i>For &gt;100 To 250, Add</i>	0.03	
			<i>For &gt;250 To 500, Add</i>	0.01	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.01	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.02	
			<i>For &gt;20,000, Deduct</i>	-0.02	
<b>09 91 13 00-0218</b>			<b>Paint Exterior Wood Floors</b> <small>(09 91 13 00-0203)</small> .....	<b>0.72</b>	
09 91 13 00-0219	SF		Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush Work .....	0.72	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.44	
			<i>For &gt;100 To 250, Add</i>	0.21	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11	
			<i>For &gt;20,000, Deduct</i>	-0.14	
09 91 13 00-0220	SF		Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush Work .....	0.79	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.51	
			<i>For &gt;100 To 250, Add</i>	0.24	
			<i>For &gt;250 To 500, Add</i>	0.10	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
			<i>For &gt;20,000, Deduct</i>	-0.16	
09 91 13 00-0221	SF		Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush Work .....	1.49	
			<i>For Oil Based Paint, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.95	
			<i>For &gt;100 To 250, Add</i>	0.45	
			<i>For &gt;250 To 500, Add</i>	0.20	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.22	
			<i>For &gt;20,000, Deduct</i>	-0.30	
09 91 13 00-0222	SF		Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work .....	0.65	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.38	
			<i>For &gt;100 To 250, Add</i>	0.18	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10	
			<i>For &gt;20,000, Deduct</i>	-0.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0223	SF	Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work .....	0.72		
		For Oil Based Paint, Add	0.04		
		For Up To 100, Add	0.44		
		For >100 To 250, Add	0.21		
		For >250 To 500, Add	0.09		
		For >2,500 To 5,000, Deduct	-0.04		
		For >5,000 To 10,000, Deduct	-0.07		
		For >10,000 To 20,000, Deduct	-0.11		
		For >20,000, Deduct	-0.14		
09 91 13 00-0224	SF	Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work.....	1.16		
		For Oil Based Paint, Add	0.07		
		For Up To 100, Add	0.68		
		For >100 To 250, Add	0.33		
		For >250 To 500, Add	0.14		
		For >2,500 To 5,000, Deduct	-0.06		
		For >5,000 To 10,000, Deduct	-0.12		
		For >10,000 To 20,000, Deduct	-0.17		
		For >20,000, Deduct	-0.23		
09 91 13 00-0225	SF	Paint Exterior Wood Floors And Decks, 1 Coat Primer, Sprayed.....	0.48		
		For Oil Based Paint, Add	0.03		
		For Up To 100, Add	0.28		
		For >100 To 250, Add	0.13		
		For >250 To 500, Add	0.06		
		For >2,500 To 5,000, Deduct	-0.02		
		For >5,000 To 10,000, Deduct	-0.05		
		For >10,000 To 20,000, Deduct	-0.07		
		For >20,000, Deduct	-0.10		
09 91 13 00-0226	SF	Paint Exterior Wood Floors And Decks, 1 Coat Paint, Sprayed.....	0.58		
		For Oil Based Paint, Add	0.04		
		For Up To 100, Add	0.35		
		For >100 To 250, Add	0.17		
		For >250 To 500, Add	0.07		
		For >2,500 To 5,000, Deduct	-0.03		
		For >5,000 To 10,000, Deduct	-0.06		
		For >10,000 To 20,000, Deduct	-0.09		
		For >20,000, Deduct	-0.12		
09 91 13 00-0227	SF	Paint Exterior Wood Floors And Decks, 2 Coats Paint, Sprayed .....	0.95		
		For Oil Based Paint, Add	0.06		
		For Up To 100, Add	0.54		
		For >100 To 250, Add	0.26		
		For >250 To 500, Add	0.11		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.10		
		For >10,000 To 20,000, Deduct	-0.14		
		For >20,000, Deduct	-0.19		
09 91 13 00-0228	SF	Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work .....	1.66		
		For Up To 100, Add	0.59		
		For >100 To 250, Add	0.31		
		For >250 To 500, Add	0.14		
		For >2,500 To 5,000, Deduct	-0.08		
		For >5,000 To 10,000, Deduct	-0.17		
		For >10,000 To 20,000, Deduct	-0.25		
		For >20,000, Deduct	-0.33		
09 91 13 00-0229	SF	Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work.....	4.67		
		For Up To 100, Add	1.04		
		For >100 To 250, Add	0.61		
		For >250 To 500, Add	0.29		
		For >2,500 To 5,000, Deduct	-0.23		
		For >5,000 To 10,000, Deduct	-0.47		
		For >10,000 To 20,000, Deduct	-0.70		
		For >20,000, Deduct	-0.93		
09 91 13 00-0230	LF	Paint Exterior Wood Floors And Decks, 1 Coat Paint, Cut-in Brush Work .....	0.13		
		For Up To 100, Add	0.09		
		For >100 To 250, Add	0.04		
		For >250 To 500, Add	0.02		
		For >2,500 To 5,000, Deduct	-0.01		
		For >5,000 To 10,000, Deduct	-0.01		
		For >10,000 To 20,000, Deduct	-0.02		
		For >20,000, Deduct	-0.03		

09 91 13 00-0231 Paint Exterior Doors And Windows (09 91 13)

09 91 13 00-0232 Paint Exterior Door Frames (09 91 13 00-0231)

09 91 13 00-0233	LF	Paint Exterior Wood Door Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.98		
		For Painting Either Interior Or Exterior Only, Deduct	-0.26		
09 91 13 00-0234	LF	Paint Exterior Wood Door Frame And Trim, 1 Coat Paint, Brush/Roller Work .....	1.27		
		For Painting Either Interior Or Exterior Only, Deduct	-0.33		
09 91 13 00-0235	LF	Paint Exterior Wood Door Frame And Trim, 2 Coats Paint, Brush/Roller Work .....	2.15		
		For Painting Either Interior Or Exterior Only, Deduct	-0.56		
09 91 13 00-0236	LF	Paint Exterior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work .....	0.99		
		For Painting Either Interior Or Exterior Only, Deduct	-0.26		
09 91 13 00-0237	LF	Paint Exterior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work .....	1.28		
		For Painting Either Interior Or Exterior Only, Deduct	-0.33		
09 91 13 00-0238	LF	Paint Exterior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work .....	2.16		
		For Painting Either Interior Or Exterior Only, Deduct	-0.56		

09 91 13 00-0239 Paint Exterior Metal Doors (09 91 13 00-0231)

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0240	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door ..... Note: One face	40.50	
			For Half Louvered Door, Add	4.06	
			For Full Louvered Door, Add	6.77	
			For Electrostatic Painting, Add	6.07	
			For >5 To 10, Deduct	-2.03	
			For >10 To 25, Deduct	-4.05	
			For >25, Deduct	-6.08	
09 91	13 00-0241	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door ..... Note: One face	40.50	
			For Half Louvered Door, Add	4.06	
			For Full Louvered Door, Add	6.77	
			For Electrostatic Painting, Add	6.07	
			For >5 To 10, Deduct	-2.03	
			For >10 To 25, Deduct	-4.05	
			For >25, Deduct	-6.08	
09 91	13 00-0242	EA	2 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door ..... Note: One face	72.42	
			For Half Louvered Door, Add	6.86	
			For Full Louvered Door, Add	11.43	
			For Electrostatic Painting, Add	11.25	
			For >5 To 10, Deduct	-3.62	
			For >10 To 25, Deduct	-7.24	
			For >25, Deduct	-10.86	
09 91	13 00-0243	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door ..... Note: Both faces	72.68	
			For Half Louvered Door, Add	7.28	
			For Full Louvered Door, Add	12.13	
			For Electrostatic Painting, Add	10.89	
			For >5 To 10, Deduct	-3.63	
			For >10 To 25, Deduct	-7.27	
			For >25, Deduct	-10.90	
09 91	13 00-0244	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door ..... Note: Both faces	72.68	
			For Half Louvered Door, Add	7.28	
			For Full Louvered Door, Add	12.13	
			For Electrostatic Painting, Add	10.89	
			For >5 To 10, Deduct	-3.63	
			For >10 To 25, Deduct	-7.27	
			For >25, Deduct	-10.90	
09 91	13 00-0245	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door ..... Note: Both faces	130.40	
			For Half Louvered Door, Add	12.31	
			For Full Louvered Door, Add	20.52	
			For Electrostatic Painting, Add	20.29	
			For >5 To 10, Deduct	-6.52	
			For >10 To 25, Deduct	-13.04	
			For >25, Deduct	-19.56	
09 91	13 00-0246	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door ..... Note: One face	36.34	
			For Half Louvered Door, Add	3.23	
			For Full Louvered Door, Add	5.39	
			For Electrostatic Painting, Add	5.85	
			For >5 To 10, Deduct	-1.82	
			For >10 To 25, Deduct	-3.63	
			For >25, Deduct	-5.45	
09 91	13 00-0247	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door ..... Note: One face	36.34	
			For Half Louvered Door, Add	3.23	
			For Full Louvered Door, Add	5.39	
			For Electrostatic Painting, Add	5.85	
			For >5 To 10, Deduct	-1.82	
			For >10 To 25, Deduct	-3.63	
			For >25, Deduct	-5.45	
09 91	13 00-0248	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door ..... Note: One face	65.79	
			For Half Louvered Door, Add	5.46	
			For Full Louvered Door, Add	9.10	
			For Electrostatic Painting, Add	10.99	
			For >5 To 10, Deduct	-3.29	
			For >10 To 25, Deduct	-6.58	
			For >25, Deduct	-9.87	
09 91	13 00-0249	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door ..... Note: Both faces	65.24	
			For Half Louvered Door, Add	5.80	
			For Full Louvered Door, Add	9.67	
			For Electrostatic Painting, Add	10.51	
			For >5 To 10, Deduct	-3.26	
			For >10 To 25, Deduct	-6.52	
			For >25, Deduct	-9.79	
09 91	13 00-0250	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door ..... Note: Both faces	65.24	
			For Half Louvered Door, Add	5.80	
			For Full Louvered Door, Add	9.67	
			For Electrostatic Painting, Add	10.51	
			For >5 To 10, Deduct	-3.26	
			For >10 To 25, Deduct	-6.52	
			For >25, Deduct	-9.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0251	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door .....	118.56		
		Note: Both faces			
		For Half Louvered Door, Add	9.81		
		For Full Louvered Door, Add	16.36		
		For Electrostatic Painting, Add	19.83		
		For >5 To 10, Deduct	-5.93		
		For >10 To 25, Deduct	-11.86		
		For >25, Deduct	-17.78		
09 91 13 00-0252	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door .....	2.08		
		For Electrostatic Painting, Add	0.24		
09 91 13 00-0253	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door .....	2.16		
		For Electrostatic Painting, Add	0.26		
09 91 13 00-0254	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Section Door, Or Roll Up Door .....	4.46		
		For Electrostatic Painting, Add	0.53		
09 91 13 00-0255	SF	1 Coat Primer, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door .....	2.25		
		For Electrostatic Painting, Add	0.26		
09 91 13 00-0256	SF	1 Coat Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door .....	2.33		
		For Electrostatic Painting, Add	0.28		
09 91 13 00-0257	SF	2 Coats Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door .....	4.54		
		For Electrostatic Painting, Add	0.54		

**09 91 13 00-0258 Paint Exterior Wood Doors** (09 91 13 00-0231)

09 91 13 00-0259	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door .....	37.98		
		Note: One face			
		For Half Louvered Door, Add	4.06		
		For Full Louvered Door, Add	6.77		
		For >5 To 10, Deduct	-1.90		
		For >10 To 25, Deduct	-3.80		
		For >25, Deduct	-5.70		
09 91 13 00-0260	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door .....	37.98		
		Note: One face			
		For Half Louvered Door, Add	4.06		
		For Full Louvered Door, Add	6.77		
		For >5 To 10, Deduct	-1.90		
		For >10 To 25, Deduct	-3.80		
		For >25, Deduct	-5.70		
09 91 13 00-0261	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door .....	67.41		
		Note: One face			
		For Half Louvered Door, Add	6.86		
		For Full Louvered Door, Add	11.43		
		For >5 To 10, Deduct	-3.37		
		For >10 To 25, Deduct	-6.74		
		For >25, Deduct	-10.11		
09 91 13 00-0262	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door .....	68.15		
		Note: Both faces			
		For Half Louvered Door, Add	7.28		
		For Full Louvered Door, Add	12.13		
		For >5 To 10, Deduct	-3.41		
		For >10 To 25, Deduct	-6.82		
		For >25, Deduct	-10.22		
09 91 13 00-0263	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door .....	68.15		
		Note: Both faces			
		For Half Louvered Door, Add	7.28		
		For Full Louvered Door, Add	12.13		
		For >5 To 10, Deduct	-3.41		
		For >10 To 25, Deduct	-6.82		
		For >25, Deduct	-10.22		
09 91 13 00-0264	EA	2 Coats Paint, Brush Roller Work, Paint Exterior Wood Door .....	121.33		
		Note: Both faces			
		For Half Louvered Door, Add	12.31		
		For Full Louvered Door, Add	20.52		
		For >5 To 10, Deduct	-6.07		
		For >10 To 25, Deduct	-12.13		
		For >25, Deduct	-18.20		
09 91 13 00-0265	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door .....	33.57		
		Note: One face			
		For Half Louvered Door, Add	3.23		
		For Full Louvered Door, Add	5.39		
		For >5 To 10, Deduct	-1.68		
		For >10 To 25, Deduct	-3.36		
		For >25, Deduct	-5.04		
09 91 13 00-0266	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door .....	33.57		
		Note: One face			
		For Half Louvered Door, Add	3.23		
		For Full Louvered Door, Add	5.39		
		For >5 To 10, Deduct	-1.68		
		For >10 To 25, Deduct	-3.36		
		For >25, Deduct	-5.04		
09 91 13 00-0267	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door .....	60.30		
		Note: One face			
		For Half Louvered Door, Add	5.46		
		For Full Louvered Door, Add	9.11		
		For >5 To 10, Deduct	-3.02		
		For >10 To 25, Deduct	-6.03		
		For >25, Deduct	-9.05		

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0268	EA		1 Coat Primer, Sprayed, Paint Exterior Wood Door .....60.25 Note: Both faces For Half Louvered Door, Add 5.80 For Full Louvered Door, Add 9.67 For >5 To 10, Deduct -3.01 For >10 To 25, Deduct -6.03 For >25, Deduct -9.04		
09 91 13 00-0269	EA		1 Coat Paint, Sprayed, Paint Exterior Wood Door.....60.25 Note: Both faces For Half Louvered Door, Add 5.80 For Full Louvered Door, Add 9.67 For >5 To 10, Deduct -3.01 For >10 To 25, Deduct -6.03 For >25, Deduct -9.04		
09 91 13 00-0270	EA		2 Coats Paint, Sprayed, Paint Exterior Wood Door .....108.58 Note: Both faces For Half Louvered Door, Add 9.81 For Full Louvered Door, Add 16.36 For >5 To 10, Deduct -5.43 For >10 To 25, Deduct -10.86 For >25, Deduct -16.29		
09 91 13 00-0271	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....2.04		
09 91 13 00-0272	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....2.10		
09 91 13 00-0273	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....4.35		
09 91 13 00-0274	SF		1 Coat Primer, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....2.20		
09 91 13 00-0275	SF		1 Coat Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....2.27		
09 91 13 00-0276	SF		2 Coats Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....4.42		
<b>09 91 13 00-0277 Paint Exterior Metal Windows (09 91 13 00-0231)</b>					
Note: Two finish coats paint over rust inhibitive primer.					
09 91 13 00-0278	EA		Up To 8 SF Window Size, Paint Exterior Metal Window Including Trim .....69.59 For Electrostatic Painting, Add 8.30 For >5 To 10, Deduct -3.48 For >10 To 25, Deduct -6.96 For >25, Deduct -10.44		
09 91 13 00-0279	EA		>8 To 14 SF Window Size, Paint Exterior Metal Window Including Trim .....83.78 For Electrostatic Painting, Add 10.45 For >5 To 10, Deduct -4.19 For >10 To 25, Deduct -8.38 For >25, Deduct -12.57		
09 91 13 00-0280	EA		>14 To 20 SF Window Size, Paint Exterior Metal Window Including Trim .....112.91 For Electrostatic Painting, Add 14.23 For >5 To 10, Deduct -5.65 For >10 To 25, Deduct -11.29 For >25, Deduct -16.94		
09 91 13 00-0281	EA		>20 To 26 SF Window Size, Paint Exterior Metal Window Including Trim .....127.14 For Electrostatic Painting, Add 16.04 For >5 To 10, Deduct -6.36 For >10 To 25, Deduct -12.71 For >25, Deduct -19.07		
09 91 13 00-0282	EA		>26 To 34 SF Window Size, Paint Exterior Metal Window Including Trim .....141.02 For Electrostatic Painting, Add 17.76 For >5 To 10, Deduct -7.05 For >10 To 25, Deduct -14.10 For >25, Deduct -21.15		
09 91 13 00-0283	SF		>34 SF Window Size, Paint Exterior Metal Window Including Trim .....4.48 For Electrostatic Painting, Add 0.56		
<b>09 91 13 00-0284 Paint Exterior Wood Windows (09 91 13 00-0231)</b>					
Note: Two finish coats paint over primer.					
09 91 13 00-0285	EA		Up To 8 SF Window Size, Paint Exterior Wood Window Including Trim .....67.91 For >5 To 10, Deduct -3.40 For >10 To 25, Deduct -6.79 For >25, Deduct -10.19		
09 91 13 00-0286	EA		>8 To 14 SF Window Size, Paint Exterior Wood Window Including Trim .....81.19 For >5 To 10, Deduct -4.06 For >10 To 25, Deduct -8.12 For >25, Deduct -12.18		
09 91 13 00-0287	EA		>14 To 20 SF Window Size, Paint Exterior Wood Window Including Trim .....109.23 For >5 To 10, Deduct -5.46 For >10 To 25, Deduct -10.92 For >25, Deduct -16.38		
09 91 13 00-0288	EA		>20 To 26 SF Window Size, Paint Exterior Wood Window Including Trim .....122.99 For >5 To 10, Deduct -6.15 For >10 To 25, Deduct -12.30 For >25, Deduct -18.45		
09 91 13 00-0289	EA		>26 To 34 SF Window Size, Paint Exterior Wood Window Including Trim .....136.45 For >5 To 10, Deduct -6.82 For >10 To 25, Deduct -13.65 For >25, Deduct -20.47		
09 91 13 00-0290	SF		>34 SF Window Size, Paint Exterior Wood Window Including Trim .....4.57		
<b>09 91 13 00-0291 Paint Exterior Security Screens (09 91 13 00-0231)</b>					
09 91 13 00-0292	SF		Paint Exterior Security Screen, 1 Coat Primer, Brush/Roller Work .....1.18 For Electrostatic Painting, Add 0.15		
09 91 13 00-0293	SF		Paint Exterior Security Screen, 1 Coat Paint, Brush/Roller Work .....1.22 For Electrostatic Painting, Add 0.14		



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0294	SF	Paint Exterior Security Screen, 2 Coats Paint, Brush/Roller Work..... <i>For Electrostatic Painting, Add</i>	2.02	0.24
09 91 13 00-0295		<b>Paint Exterior Window Guards</b> (09 91 13 00-0231)		
09 91 13 00-0296	SF	Paint Exterior Metal Window Guards, 1 Coat Primer, Brush/Roller Work .....	1.18	
09 91 13 00-0297	SF	Paint Exterior Metal Window Guards, 1 Coat Paint, Brush/Roller Work.....	1.22	
09 91 13 00-0298	SF	Paint Exterior Metal Window Guards, 2 Coats Paint, Brush/Roller Work.....	2.02	
09 91 13 00-0299		<b>Paint Exterior Window Trim</b> (09 91 13 00-0231)		
09 91 13 00-0300	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim.....	1.07	
09 91 13 00-0301	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim.....	1.07	
09 91 13 00-0302	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim.....	1.70	
09 91 13 00-0303	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim.....	1.20	
09 91 13 00-0304	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim.....	1.20	
09 91 13 00-0305	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim.....	1.96	
09 91 13 00-0306		<b>Paint Roofing And Trim</b> (09 91 13)		
09 91 13 00-0307		<b>Paint Stain Or Seal Wood Roofing</b> (09 91 13 00-0306)		
09 91 13 00-0308	SF	Stain And Seal Shingles/Shake, 1 Coat, Brush/Roller Work..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	1.46	0.81 0.39 0.17
09 91 13 00-0309	SF	Stain And Seal Shingles/Shake, 2 Coats, Brush/Roller Work..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	2.67	1.45 0.70 0.31
09 91 13 00-0310		<b>Paint Metal Roofing</b> (09 91 13 00-0306)		
09 91 13 00-0311	SF	Paint Metal Roofing, 1 Coat Paint, Brush/Roller Work..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	0.65	0.33 0.16 0.07
09 91 13 00-0312	SF	Paint Metal Roofing, 2 Coats Paint, Brush/Roller Work..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	1.13	0.59 0.29 0.13
09 91 13 00-0313		<b>Paint Fascia Board</b> (09 91 13 00-0306)		
09 91 13 00-0314	LF	Paint Fascia Board, 1 Coat Primer, Brush/Roller Work..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	0.60	0.32 0.16 0.07
09 91 13 00-0315	LF	Paint Fascia Board, 1 Coat Paint, Brush/Roller Work..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	0.60	0.32 0.16 0.07
09 91 13 00-0316	LF	Paint Fascia Board, 2 Coats Paint, Brush/Roller Work..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	1.05	0.58 0.28 0.12
09 91 13 00-0317		<b>Paint Soffit</b> (09 91 13 00-0306)		
09 91 13 00-0318	SF	Paint Soffit, 1 Coat Primer, Brush/Roller Work..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	0.69	0.34 0.17 0.07
09 91 13 00-0319	SF	Paint Soffit, 1 Coat Paint, Brush/Roller Work..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	0.69	0.34 0.17 0.07
09 91 13 00-0320	SF	Paint Soffit, 2 Coats Paint, Brush/Roller Work..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	1.18	0.60 0.29 0.13
09 91 13 00-0321		<b>Paint Site Work</b> (09 91 13) Note: Tasks can be used for exterior or interior applications.		
09 91 13 00-0322		<b>Paint Structural Steel</b> (09 91 13 00-0321)		
09 91 13 00-0323		<b>Paint Structural Steel, Brush Work</b> (09 91 13 00-0322)		
09 91 13 00-0324	SF	1 Field Coat Primer, Brush/Roller Work, Paint Structural Steel..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For Epoxy Paint, Add</i>	0.82	0.54 0.25 0.11 0.08

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0325	SF	1	Field Coat Paint, Brush/Roller Work, Paint Structural Steel .....	0.71	
			<i>For Up To 100, Add</i>	0.45	
			<i>For &gt;100 To 250, Add</i>	0.22	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For Epoxy Paint, Add</i>	0.07	
<b>09 91 13 00-0326</b>			<b>Paint Structural Steel, Spray Work</b> (09 91 13 00-0322) .....	0.59	
09 91 13 00-0327	SF	1	Paint Structural Steel, 1 Field Coat Primer, Spray Work .....	0.59	
			<i>For Electrostatic Painting, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.36	
			<i>For &gt;100 To 250, Add</i>	0.17	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For Epoxy Paint, Add</i>	0.07	
09 91 13 00-0328	SF	1	Paint Structural Steel, 1 Field Coat Paint, Spray Work .....	0.48	
			<i>For Electrostatic Painting, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.28	
			<i>For &gt;100 To 250, Add</i>	0.14	
			<i>For &gt;250 To 500, Add</i>	0.06	
			<i>For Epoxy Paint, Add</i>	0.06	
<b>09 91 13 00-0329</b>			<b>Paint Metal Decking, Beams And Bar Joist</b> (09 91 13 00-0322) .....	0.67	
09 91 13 00-0330	SF	1	Coat Primer, Sprayed, Paint Exposed Metal Decking .....	0.67	
			<i>For Up To 100, Add</i>	0.42	
			<i>For &gt;100 To 250, Add</i>	0.20	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For Epoxy Paint, Add</i>	0.07	
09 91 13 00-0331	SF	1	Coat Paint, Sprayed, Paint Exposed Metal Decking .....	0.67	
			<i>For Up To 100, Add</i>	0.42	
			<i>For &gt;100 To 250, Add</i>	0.20	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For Epoxy Paint, Add</i>	0.07	
09 91 13 00-0332	SF	2	Coats Paint, Sprayed, Paint Exposed Metal Decking .....	1.10	
			<i>For Up To 100, Add</i>	0.67	
			<i>For &gt;100 To 250, Add</i>	0.32	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For Epoxy Paint, Add</i>	0.13	
09 91 13 00-0333	SF	1	Coat Primer, Brush/Roller Work, Paint Metal Beams And Bar Joists .....	0.96	
			<i>For Up To 100, Add</i>	0.57	
			<i>For &gt;100 To 250, Add</i>	0.27	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For Epoxy Paint, Add</i>	0.12	
09 91 13 00-0334	SF	1	Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists .....	0.94	
			<i>For Up To 100, Add</i>	0.57	
			<i>For &gt;100 To 250, Add</i>	0.27	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For Epoxy Paint, Add</i>	0.11	
09 91 13 00-0335	SF	2	Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists .....	1.78	
			<i>For Up To 100, Add</i>	1.07	
			<i>For &gt;100 To 250, Add</i>	0.51	
			<i>For &gt;250 To 500, Add</i>	0.22	
			<i>For Epoxy Paint, Add</i>	0.22	
09 91 13 00-0336	SF	1	Coat Primer, Sprayed, Paint Metal Beams And Bar Joists .....	0.81	
			<i>For Up To 100, Add</i>	0.49	
			<i>For &gt;100 To 250, Add</i>	0.24	
			<i>For &gt;250 To 500, Add</i>	0.10	
			<i>For Epoxy Paint, Add</i>	0.10	
09 91 13 00-0337	SF	1	Coat Paint, Sprayed, Paint Metal Beams And Bar Joists .....	0.81	
			<i>For Up To 100, Add</i>	0.49	
			<i>For &gt;100 To 250, Add</i>	0.24	
			<i>For &gt;250 To 500, Add</i>	0.10	
			<i>For Epoxy Paint, Add</i>	0.10	
09 91 13 00-0338	SF	2	Coats Paint, Sprayed, Paint Metal Beams And Bar Joists .....	1.35	
			<i>For Up To 100, Add</i>	0.78	
			<i>For &gt;100 To 250, Add</i>	0.38	
			<i>For &gt;250 To 500, Add</i>	0.16	
			<i>For Epoxy Paint, Add</i>	0.18	
<b>09 91 13 00-0339</b>			<b>Steel Pipes, Tubes, Rails, Conduit</b> (09 91 13 00-0321) .....		
			Note: For non surface mounted unless a different color is needed.		
09 91 13 00-0340	LF	1	Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Primer .....	1.37	
			<i>For Electrostatic Painting, Add</i>	0.17	
			<i>For Epoxy Paint, Add</i>	0.13	
09 91 13 00-0341	LF	1	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Primer .....	1.52	
			<i>For Electrostatic Painting, Add</i>	0.19	
			<i>For Epoxy Paint, Add</i>	0.15	
09 91 13 00-0342	LF	1	Paint Steel Pipes 4" Diameter, 1 Coat Primer .....	1.71	
			<i>For Electrostatic Painting, Add</i>	0.21	
			<i>For Epoxy Paint, Add</i>	0.16	
09 91 13 00-0343	LF	1	Paint Steel Pipes 6" To 8" Diameter, 1 Coat Primer .....	2.14	
			<i>For Electrostatic Painting, Add</i>	0.26	
			<i>For Epoxy Paint, Add</i>	0.20	
09 91 13 00-0344	LF	1	Paint Steel Pipes 10" To 12" Diameter 1 Coat Primer .....	2.72	
			<i>For Electrostatic Painting, Add</i>	0.33	
			<i>For Epoxy Paint, Add</i>	0.25	
09 91 13 00-0345	LF	1	Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Paint .....	1.37	
			<i>For Electrostatic Painting, Add</i>	0.17	
			<i>For Epoxy Paint, Add</i>	0.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0346	LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Paint	1.52		
		<i>For Electrostatic Painting, Add</i>	0.19		
		<i>For Epoxy Paint, Add</i>	0.15		
09 91 13 00-0347	LF	Paint Steel Pipes 4" Diameter, 1 Coat Paint	1.71		
		<i>For Electrostatic Painting, Add</i>	0.21		
		<i>For Epoxy Paint, Add</i>	0.16		
09 91 13 00-0348	LF	Paint Steel Pipes 6" To 8" Diameter, 1 Coat Paint	2.14		
		<i>For Electrostatic Painting, Add</i>	0.26		
		<i>For Epoxy Paint, Add</i>	0.20		
09 91 13 00-0349	LF	Paint Steel Pipes 10" To 12" Diameter 1 Coat Paint	2.72		
		<i>For Electrostatic Painting, Add</i>	0.33		
		<i>For Epoxy Paint, Add</i>	0.25		
09 91 13 00-0350	LF	Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 2 Coats	2.73		
		<i>For Electrostatic Painting, Add</i>	0.35		
		<i>For Epoxy Paint, Add</i>	0.29		
09 91 13 00-0351	LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 2 Coats	3.04		
		<i>For Electrostatic Painting, Add</i>	0.37		
		<i>For Epoxy Paint, Add</i>	0.29		
09 91 13 00-0352	LF	Paint Steel Pipes 4" Diameter, 2 Coats	3.29		
		<i>For Electrostatic Painting, Add</i>	0.41		
		<i>For Epoxy Paint, Add</i>	0.32		
09 91 13 00-0353	LF	Paint Steel Pipes 6" To 8" Diameter, 2 Coats	4.17		
		<i>For Electrostatic Painting, Add</i>	0.51		
		<i>For Epoxy Paint, Add</i>	0.40		
09 91 13 00-0354	LF	Paint Steel Pipes 10" To 12" Diameter, 2 Coats	5.12		
		<i>For Electrostatic Painting, Add</i>	0.63		
		<i>For Epoxy Paint, Add</i>	0.50		
09 91 13 00-0355	EA	Paint Exposed Single Or Double Gang, Outlet Box, 1 Coat Paint	6.92		
		<i>For Electrostatic Painting, Add</i>	0.72		
		<i>For Epoxy Paint, Add</i>	0.41		

**09 91 13 00-0356 Paint Fencing** (09 91 13 00-0321)

Note: Per side of fence. Based on gross fence area (length of fence x height of fence).

09 91 13 00-0357	SF	1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence	0.68		
		<i>For Epoxy Paint, Add</i>	0.07		
		<i>For Up To 100, Add</i>	0.44		
		<i>For &gt;100 To 250, Add</i>	0.21		
		<i>For &gt;250 To 500, Add</i>	0.09		
09 91 13 00-0358	SF	2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence	1.27		
		<i>For Epoxy Paint, Add</i>	0.13		
		<i>For Up To 100, Add</i>	0.81		
		<i>For &gt;100 To 250, Add</i>	0.39		
		<i>For &gt;250 To 500, Add</i>	0.17		
09 91 13 00-0359	SF	1 Coat Paint, Sprayed, Paint Existing Chain Link Fence	0.58		
		<i>For Epoxy Paint, Add</i>	0.07		
		<i>For Electrostatic Painting, Add</i>	0.08		
		<i>For Up To 100, Add</i>	0.35		
		<i>For &gt;100 To 250, Add</i>	0.17		
		<i>For &gt;250 To 500, Add</i>	0.07		
09 91 13 00-0360	SF	2 Coats Paint, Sprayed, Paint Existing Chain Link Fence	1.09		
		<i>For Epoxy Paint, Add</i>	0.14		
		<i>For Electrostatic Painting, Add</i>	0.15		
		<i>For Up To 100, Add</i>	0.65		
		<i>For &gt;100 To 250, Add</i>	0.31		
		<i>For &gt;250 To 500, Add</i>	0.14		
09 91 13 00-0361	SF	1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence	0.61		
		<i>For Epoxy Paint, Add</i>	0.07		
		<i>For Up To 100, Add</i>	0.37		
		<i>For &gt;100 To 250, Add</i>	0.18		
		<i>For &gt;250 To 500, Add</i>	0.08		
09 91 13 00-0362	SF	1 Coat, Brush/Roller, Paint Wrought Iron Fence	0.58		
		<i>For Epoxy Paint, Add</i>	0.06		
		<i>For Up To 100, Add</i>	0.37		
		<i>For &gt;100 To 250, Add</i>	0.18		
		<i>For &gt;250 To 500, Add</i>	0.08		
09 91 13 00-0363	SF	Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence	0.40		
		<i>For Epoxy Paint, Add</i>	0.05		
		<i>For Up To 100, Add</i>	0.23		
		<i>For &gt;100 To 250, Add</i>	0.11		
		<i>For &gt;250 To 500, Add</i>	0.05		
09 91 13 00-0364	SF	1 Coat Primer, Brush/Roller, Paint Picket Fence	0.81		
		<i>For Epoxy Paint, Add</i>	0.06		
		<i>For Up To 100, Add</i>	0.57		
		<i>For &gt;100 To 250, Add</i>	0.27		
		<i>For &gt;250 To 500, Add</i>	0.11		
09 91 13 00-0365	SF	1 Coat, Brush/Roller, Paint Picket Fence	0.81		
		<i>For Epoxy Paint, Add</i>	0.06		
		<i>For Up To 100, Add</i>	0.57		
		<i>For &gt;100 To 250, Add</i>	0.27		
		<i>For &gt;250 To 500, Add</i>	0.11		
09 91 13 00-0366	SF	Each Additional Coat, Brush/Roller, Paint Picket Fence	0.58		
		<i>For Epoxy Paint, Add</i>	0.05		
		<i>For Up To 100, Add</i>	0.39		
		<i>For &gt;100 To 250, Add</i>	0.19		
		<i>For &gt;250 To 500, Add</i>	0.08		
09 91 13 00-0367	SF	1 Coat, Brush/Roller, Paint Wood Fences	0.59		
		<i>For Up To 100, Add</i>	0.37		
		<i>For &gt;100 To 250, Add</i>	0.18		
		<i>For &gt;250 To 500, Add</i>	0.08		

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0368	SF		2 Coats, Brush/Roller, Paint Wood Fences.....	1.04	
			<i>For Up To 100, Add</i>	0.64	
			<i>For &gt;100 To 250, Add</i>	0.31	
			<i>For &gt;250 To 500, Add</i>	0.13	
09 91 13 00-0369	SF		1 Coat, Sprayed, Paint Wood Fences.....	0.46	
			<i>For Up To 100, Add</i>	0.27	
			<i>For &gt;100 To 250, Add</i>	0.13	
			<i>For &gt;250 To 500, Add</i>	0.06	
09 91 13 00-0370	SF		2 Coats, Sprayed, Paint Wood Fences.....	0.84	
			<i>For Up To 100, Add</i>	0.49	
			<i>For &gt;100 To 250, Add</i>	0.24	
			<i>For &gt;250 To 500, Add</i>	0.10	
<b>09 91 13 00-0371</b>			<b>Paint Metal Louvers</b> <small>(09 91 13 00-0321)</small>		
09 91 13 00-0372	SF		Paint Ventilation Louver, SF Of Opening Area, 1 Coat Primer, Brush/Roller Work.....	1.15	
			<i>For Electrostatic Painting, Add</i>	0.13	
09 91 13 00-0373	SF		Paint Ventilation Louver, SF Of Opening Area, 1 Coat Alkyd, Brush/Roller Work.....	1.16	
			<i>For Electrostatic Painting, Add</i>	0.14	
09 91 13 00-0374	SF		Paint Ventilation Louver, SF Of Opening Area, 2 Coats Alkyd, Brush/Roller Work.....	2.37	
			<i>For Electrostatic Painting, Add</i>	0.28	
<b>09 91 13 00-0375</b>			<b>Paint Ladders</b> <small>(09 91 13 00-0321)</small>		
09 91 13 00-0376	LF		Paint Ladders, 1 Coat Alkyd Primer, Brush/Roller Work.....	3.20	
			<i>For Epoxy Paint, Add</i>	0.19	
09 91 13 00-0377	LF		Paint Ladders, 1 Coat Alkyd Enamel, Brush/Roller Work.....	3.58	
			<i>For Epoxy Paint, Add</i>	0.21	
09 91 13 00-0378	LF		Paint Ladders, 2 Coats Alkyd Enamel, Brush/Roller Work.....	7.05	
			<i>For Epoxy Paint, Add</i>	0.39	
<b>09 91 13 00-0379</b>			<b>Paint Handrails</b> <small>(09 91 13 00-0321)</small>		
09 91 13 00-0380	LF		Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work.....	1.26	
			<i>For Epoxy Paint, Add</i>	0.09	
09 91 13 00-0381	LF		Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work.....	1.40	
			<i>For Epoxy Paint, Add</i>	0.10	
09 91 13 00-0382	LF		Paint Hand Rail And Bracket, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work.....	2.32	
			<i>For Epoxy Paint, Add</i>	0.15	
09 91 13 00-0383	LF		Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work.....	2.23	
			<i>For Epoxy Paint, Add</i>	0.25	
09 91 13 00-0384	LF		Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work.....	2.44	
			<i>For Epoxy Paint, Add</i>	0.26	
09 91 13 00-0385	LF		Paint Pipe Rail And Pickets, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work.....	4.22	
			<i>For Epoxy Paint, Add</i>	0.42	
09 91 13 00-0386	LF		Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Primer, Brush/Roller Work.....	2.40	
			<i>For Epoxy Paint, Add</i>	0.26	
09 91 13 00-0387	LF		Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Enamel, Brush/Roller Work.....	2.65	
			<i>For Epoxy Paint, Add</i>	0.27	
09 91 13 00-0388	LF		Paint Pipe Rail And Pickets, 2 Rails, 2 Coats Alkyd Enamel, Brush/Roller Work.....	4.48	
			<i>For Epoxy Paint, Add</i>	0.43	
09 91 13 00-0389	LF		Paint Balustrades, 1 Coat Alkyd Primer, Brush/Roller Work.....	1.35	
			<i>For Epoxy Paint, Add</i>	0.14	
09 91 13 00-0390	LF		Paint Balustrades, 1 Coat Alkyd Enamel, Brush/Roller Work.....	1.49	
			<i>For Epoxy Paint, Add</i>	0.14	
09 91 13 00-0391	LF		Paint Balustrades, 2 Coats Alkyd Enamel, Brush/Roller Work.....	2.70	
			<i>For Epoxy Paint, Add</i>	0.27	
<b>09 91 13 00-0392</b>			<b>Paint Grating</b> <small>(09 91 13 00-0321)</small>		
09 91 13 00-0393	SF		Paint Gratings And Frames, 1 Coat Primer, Brush/Roller Work.....	2.32	
			<i>For Epoxy Paint, Add</i>	0.15	
09 91 13 00-0394	SF		Paint Gratings And Frames, 1 Coat Paint, Brush/Roller Work.....	2.35	
			<i>For Epoxy Paint, Add</i>	0.16	
09 91 13 00-0395	SF		Paint Gratings And Frames, 2 Coats Paint, Brush/Roller Work.....	3.51	
			<i>For Epoxy Paint, Add</i>	0.25	
<b>09 91 13 00-0396</b>			<b>Equipment And Tanks</b> <small>(09 91 13 00-0321)</small>		
<b>09 91 13 00-0397</b>			<b>Valves, Primer And Finish Coats</b> <small>(09 91 13 00-0396)</small>		
09 91 13 00-0398	EA		Prime And Paint 4" And Smaller Valve.....	23.32	
09 91 13 00-0399	EA		Prime And Paint 6" To 10" Valve.....	28.48	
09 91 13 00-0400	EA		Prime And Paint 12" To 18" Valve.....	37.55	
09 91 13 00-0401	EA		Prime And Paint 20" To 24" Valve.....	50.54	
09 91 13 00-0402	EA		Prime And Paint >24" To 36" Valve.....	68.69	
09 91 13 00-0403	EA		Prime And Paint >36" To 48" Valve.....	93.26	
<b>09 91 13 00-0404</b>			<b>Pumps And Motors. Primer And Finish Coats</b> <small>(09 91 13 00-0396)</small>		
09 91 13 00-0405	EA		Prime And Paint Pump Under 1 HP.....	71.22	
09 91 13 00-0406	EA		Prime And Paint Pump, 1 HP To 5 HP.....	93.15	
09 91 13 00-0407	EA		Prime And Paint Pump, >5 HP To 10 HP.....	111.18	
09 91 13 00-0408	EA		Prime And Paint Pump, >10 HP To 20 HP.....	124.05	
09 91 13 00-0409	EA		Prime And Paint Pump, >20 HP To 30 HP.....	144.72	
09 91 13 00-0410	EA		Prime And Paint Pump, >30 HP To 50 HP.....	165.38	
09 91 13 00-0411	EA		Prime And Paint Pump, >50 HP To 75 HP.....	182.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0412	EA	Prime And Paint Pump, >75 HP.....		206.75	
<b>09 91 13 00-0413</b>		<b>Storage Tanks</b> <small>(09 91 13 00-0396)</small>			
09 91 13 00-0414	SF	Paint Storage Tank, Exterior Surface, 1 Coat Primer, Roller .....		0.88	
09 91 13 00-0415	SF	Paint Storage Tank, Exterior Surface, 1 Coat Paint, Roller .....		1.14	
09 91 13 00-0416	SF	Paint Storage Tank, Exterior Surface, 2 Coats Paint, Roller .....		2.16	
09 91 13 00-0417	SF	Paint Storage Tank, Interior Surface, 1 Coat Primer, Roller .....		1.21	
09 91 13 00-0418	SF	Paint Storage Tank, Interior Surface, 1 Coat Paint, Roller .....		1.50	
09 91 13 00-0419	SF	Paint Storage Tank, Interior Surface, 2 Coats Paint, Roller .....		2.88	
09 91 13 00-0420	SF	Paint Storage Tank, Exterior Surface, 1 Coat Primer, Spray .....		0.90	
09 91 13 00-0421	SF	Paint Storage Tank, Exterior Surface, 1 Coat Paint, Spray .....		1.07	
09 91 13 00-0422	SF	Paint Storage Tank, Exterior Surface, 2 Coats Paint, Spray .....		2.05	
09 91 13 00-0423	SF	Paint Storage Tank, Interior Surface, 1 Coat Primer, Spray .....		1.05	
09 91 13 00-0424	SF	Paint Storage Tank, Interior Surface, 1 Coat Paint, Spray .....		1.35	
09 91 13 00-0425	SF	Paint Storage Tank, Interior Surface, 2 Coats Paint, Spray .....		2.59	
<b>09 91 13 00-0426</b>		<b>Other Site Work Painting</b> <small>(09 91 13 00-0321)</small>			
<b>09 91 13 00-0427</b>		<b>Paint Shutters Or Blinds, Solid Panel</b> <small>(09 91 13 00-0426)</small>			
09 91 13 00-0428	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Brush Work .....		2.51	
09 91 13 00-0429	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat, Brush Work .....		2.52	
09 91 13 00-0430	SF	Paint Shutter Or Blinds, Solid Panel, 2 Coats, Brush Work .....		4.47	
09 91 13 00-0431	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Sprayed .....		1.51	
09 91 13 00-0432	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat, Sprayed .....		1.52	
09 91 13 00-0433	SF	Paint Shutter Or Blinds, Solid Panel, 2 Coats, Sprayed .....		2.80	
<b>09 91 13 00-0434</b>		<b>Paint Shutters Or Blinds, Louvered Panel</b> <small>(09 91 13 00-0426)</small>			
09 91 13 00-0435	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Brush Work .....		3.11	
09 91 13 00-0436	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Brush Work .....		3.12	
09 91 13 00-0437	SF	Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Brush Work .....		5.53	
09 91 13 00-0438	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Sprayed .....		1.84	
09 91 13 00-0439	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Sprayed .....		1.85	
09 91 13 00-0440	SF	Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Sprayed .....		3.41	
<b>09 91 13 00-0441</b>		<b>Paint Flagpoles</b> <small>(09 91 13 00-0426)</small>			
09 91 13 00-0442	EA	Paint Steel Flagpole, 20' High, 1 Coat Paint .....		186.45	
09 91 13 00-0443	EA	Paint Steel Flagpole, 30' High, 1 Coat Paint .....		250.57	
09 91 13 00-0444	EA	Paint Steel Flagpole, 40' High, 1 Coat Paint .....		314.71	
09 91 13 00-0445	EA	Paint Steel Flagpole, 50' High, 1 Coat Paint .....		378.87	
09 91 13 00-0446	EA	Paint Steel Flagpole, 70' High, 1 Coat Paint .....		503.55	
09 91 13 00-0447	EA	Paint Steel Flagpole, 80' High, 1 Coat Paint .....		567.25	
09 91 13 00-0448	EA	Paint Steel Flagpole, 90' High, 1 Coat Paint .....		630.95	
<b>09 91 13 00-0449</b>		<b>Paint Lattice Or Trellis</b> <small>(09 91 13 00-0426)</small>			
09 91 13 00-0450	SF	Paint Wood Lattice Or Trellis 1 Coat, Spray Per Side .....		1.20	
		<i>For Up To 100, Add</i>		0.83	
		<i>For &gt;100 To 250, Add</i>		0.39	
		<i>For &gt;250 To 500, Add</i>		0.17	
09 91 13 00-0451	SF	Paint Wood Lattice Or Trellis 2 Coats, Spray Per Side .....		2.20	
		<i>For Up To 100, Add</i>		1.51	
		<i>For &gt;100 To 250, Add</i>		0.71	
		<i>For &gt;250 To 500, Add</i>		0.31	
<b>09 91 13 00-0452</b>		<b>Paint Exterior Stairs</b> <small>(09 91 13)</small>			
<b>09 91 13 00-0453</b>		<b>Paint Exterior Concrete Stairs</b> <small>(09 91 13 00-0452)</small>			
09 91 13 00-0454	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work .....		13.87	
09 91 13 00-0455	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work .....		13.87	
09 91 13 00-0456	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work .....		18.08	
09 91 13 00-0457	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work .....		30.10	
09 91 13 00-0458	RSR	Paint Exterior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work .....		27.75	
<b>09 91 13 00-0459</b>		<b>Paint Exterior Metal Stairs</b> <small>(09 91 13 00-0452)</small>			
09 91 13 00-0460	RSR	Paint Exterior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work .....		7.23	
		<i>For Oil Based Paint, Add</i>		0.39	
09 91 13 00-0461	RSR	Paint Exterior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work .....		7.23	
		<i>For Oil Based Paint, Add</i>		0.39	
09 91 13 00-0462	RSR	Paint Exterior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work .....		14.45	
		<i>For Oil Based Paint, Add</i>		0.77	
<b>09 91 13 00-0463</b>		<b>Paint Exterior Wood Stairs</b> <small>(09 91 13 00-0452)</small>			
09 91 13 00-0464	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work .....		7.13	
09 91 13 00-0465	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work .....		7.13	
09 91 13 00-0466	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work .....		11.34	
09 91 13 00-0467	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work .....		23.36	
09 91 13 00-0468	RSR	Paint Exterior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work .....		14.26	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0469 **Paint Exterior Stair Nosing** (09 91 13 00-0452)  
 09 91 13 00-0470 LF Paint Exterior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work .....1.34

09 91 13 00-0471 **Paint Exterior Trim** (09 91 13)

09 91 13 00-0472 **Paint Exterior Metal Trim And Gutters** (09 91 13 00-0471)

09 91 13 00-0473 SF 1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim .....1.01  
 09 91 13 00-0474 SF 1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim .....1.01  
 09 91 13 00-0475 SF 2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim .....1.82  
 09 91 13 00-0476 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Trim .....0.82  
 09 91 13 00-0477 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Trim .....0.91  
 09 91 13 00-0478 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Trim .....1.62  
 09 91 13 00-0479 LF 1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout .....1.46  
 09 91 13 00-0480 LF 2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout .....1.90

09 91 13 00-0481 **Paint Exterior Wood Trim** (09 91 13 00-0471)

09 91 13 00-0482 SF Paint Exterior Wood Trim, 1 Coat Primer, Brush Work .....1.32  
*For Oil Based Paint, Add* 0.08  
 09 91 13 00-0483 SF Paint Exterior Wood Trim, 1 Coat Paint, Brush Work .....1.43  
*For Oil Based Paint, Add* 0.08  
 09 91 13 00-0484 SF Paint Exterior Wood Trim, 2 Coats Paint, Brush Work .....2.59  
*For Oil Based Paint, Add* 0.15  
 09 91 13 00-0485 SF Paint Exterior Wood Trim, 1 Coat Primer, Brush/Roller Work .....1.04  
*For Oil Based Paint, Add* 0.06  
 09 91 13 00-0486 SF Paint Exterior Wood Trim, 1 Coat Paint, Brush/Roller Work .....1.16  
*For Oil Based Paint, Add* 0.07  
 09 91 13 00-0487 SF Paint Exterior Wood Trim, 2 Coats Paint, Brush/Roller Work .....2.14  
*For Oil Based Paint, Add* 0.13

09 91 13 00-0488 **Paint Exterior Miscellaneous Metal Surfaces** (09 91 13)

09 91 13 00-0489 SF Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Primer, Brush/Roller Work .....1.09  
*For Epoxy Paint, Add* 0.11  
*For Electrostatic Painting, Add* 0.14  
 09 91 13 00-0490 SF Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Enamel, Brush/Roller Work .....1.02  
*For Epoxy Paint, Add* 0.09  
*For Electrostatic Painting, Add* 0.12  
 09 91 13 00-0491 SF Paint Exterior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work .....2.05  
*For Epoxy Paint, Add* 0.19  
*For Electrostatic Painting, Add* 0.25

**09 91 23 Interior Painting** (09 91)

Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

09 91 23 00-0001 **Paint Interior Walls** (09 91 23)

09 91 23 00-0002 **Paint Interior Brick Walls** (09 91 23 00-0001)

09 91 23 00-0003 SF 1 Coat Filler, Brush Work, Paint Interior Brick Walls .....0.87  
*For Oil Based Paint, Add* 0.05  
*For Work >15' To 20' Above Floor, Add* 0.11  
*Note: Applied only to work area above 15' to 20'.*  
*For Work >20' To 30' Above Floor, Add* 0.18  
*Note: Applied only to work area above 20' to 30'.*  
*For Work >30' To 40' Above Floor, Add* 0.29  
*Note: Applied only to work area above 30' to 40'.*  
*For Work >40' Above Floor, Add* 0.40  
*Note: Applied only to work area above 40'.*  
*For Up To 100, Add* 0.57  
*For >100 To 250, Add* 0.27  
*For >250 To 500, Add* 0.12  
*For >2,500 To 5,000, Deduct* -0.04  
*For >5,000 To 10,000, Deduct* -0.09  
*For >10,000 To 20,000, Deduct* -0.13  
*For >20,000, Deduct* -0.17  
 09 91 23 00-0004 SF 1 Coat Paint, Brush Work, Paint Interior Brick Walls .....0.99  
*For Oil Based Paint, Add* 0.06  
*For Work >15' To 20' Above Floor, Add* 0.12  
*Note: Applied only to work area above 15' to 20'.*  
*For Work >20' To 30' Above Floor, Add* 0.21  
*Note: Applied only to work area above 20' to 30'.*  
*For Work >30' To 40' Above Floor, Add* 0.33  
*Note: Applied only to work area above 30' to 40'.*  
*For Work >40' Above Floor, Add* 0.46  
*Note: Applied only to work area above 40'.*  
*For Up To 100, Add* 0.65  
*For >100 To 250, Add* 0.31  
*For >250 To 500, Add* 0.13  
*For >2,500 To 5,000, Deduct* -0.05  
*For >5,000 To 10,000, Deduct* -0.10  
*For >10,000 To 20,000, Deduct* -0.15  
*For >20,000, Deduct* -0.20

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0005 SF 2 Coat Paint, Brush Work, Paint Interior Brick Walls.....	1.77	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.36	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.58	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.80	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.14	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.35	
09 91 23 00-0006 SF 1 Coat Filler, Brush/Roller Work, Paint Interior Brick Walls.....	0.71	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0007 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Brick Walls.....	0.86	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0008 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Brick Walls.....	1.49	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.28	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.45	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.62	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.90	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.30	
09 91 23 00-0009 SF 1 Coat Filler, Sprayed, Paint Interior Brick Walls.....	0.60	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.24	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Backroll, Add	0.07	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0010	SF		1 Coat Paint, Sprayed, Paint Interior Brick Walls .....0.66		
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.17	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.24	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
			For Backroll, Add	0.08	
09 91 23 00-0011	SF		2 Coats Paint, Sprayed, Paint Interior Brick Walls .....1.15		
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
			For Backroll, Add	0.13	
09 91 23 00-0012	SF		1 Coat Bonding Agent, Brush Work, Paint Interior Brick Walls .....0.89		
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 23 00-0013	SF		1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Brick Walls .....0.73		
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.23	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.31	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 23 00-0014	SF		1 Coat Bonding Agent, Spray, Paint Interior Brick Walls .....0.63		
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.24	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.13	
			For Backroll, Add	0.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0015 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Brick Walls .....	0.17	
<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.02	
<i>Note: Applied only to work area above 15' to 20'.</i>		
<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.04	
<i>Note: Applied only to work area above 20' to 30'.</i>		
<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.06	
<i>Note: Applied only to work area above 30' to 40'.</i>		
<i>For Work &gt;40' Above Floor, Add</i>	0.08	
<i>Note: Applied only to work area above 40'.</i>		
<i>For Up To 100, Add</i>	0.11	
<i>For &gt;100 To 250, Add</i>	0.05	
<i>For &gt;250 To 500, Add</i>	0.02	
<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.03	
<i>For &gt;20,000, Deduct</i>	-0.03	
<b>09 91 23 00-0016 Paint Interior Concrete Walls (09 91 23 00-0001) .....</b>	<b>0.74</b>	
09 91 23 00-0017 SF 1 Coat Filler, Brush Work, Paint Interior Concrete Walls .....	0.74	
<i>For Oil Based Paint, Add</i>	0.04	
<i>For Epoxy Paint, Add</i>	0.07	
<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09	
<i>Note: Applied only to work area above 15' to 20'.</i>		
<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.16	
<i>Note: Applied only to work area above 20' to 30'.</i>		
<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.25	
<i>Note: Applied only to work area above 30' to 40'.</i>		
<i>For Work &gt;40' Above Floor, Add</i>	0.34	
<i>Note: Applied only to work area above 40'.</i>		
<i>For Up To 100, Add</i>	0.48	
<i>For &gt;100 To 250, Add</i>	0.23	
<i>For &gt;250 To 500, Add</i>	0.10	
<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11	
<i>For &gt;20,000, Deduct</i>	-0.15	
09 91 23 00-0018 SF 1 Coat Paint, Brush Work, Paint Interior Concrete Walls .....	0.80	
<i>For Oil Based Paint, Add</i>	0.04	
<i>For Epoxy Paint, Add</i>	0.07	
<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
<i>Note: Applied only to work area above 15' to 20'.</i>		
<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18	
<i>Note: Applied only to work area above 20' to 30'.</i>		
<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.28	
<i>Note: Applied only to work area above 30' to 40'.</i>		
<i>For Work &gt;40' Above Floor, Add</i>	0.39	
<i>Note: Applied only to work area above 40'.</i>		
<i>For Up To 100, Add</i>	0.55	
<i>For &gt;100 To 250, Add</i>	0.26	
<i>For &gt;250 To 500, Add</i>	0.11	
<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
<i>For &gt;20,000, Deduct</i>	-0.16	
09 91 23 00-0019 SF 2 Coats Paint, Brush Work, Paint Interior Concrete Walls .....	1.50	
<i>For Oil Based Paint, Add</i>	0.08	
<i>For Epoxy Paint, Add</i>	0.13	
<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.20	
<i>Note: Applied only to work area above 15' to 20'.</i>		
<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.33	
<i>Note: Applied only to work area above 20' to 30'.</i>		
<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.53	
<i>Note: Applied only to work area above 30' to 40'.</i>		
<i>For Work &gt;40' Above Floor, Add</i>	0.73	
<i>Note: Applied only to work area above 40'.</i>		
<i>For Up To 100, Add</i>	1.02	
<i>For &gt;100 To 250, Add</i>	0.48	
<i>For &gt;250 To 500, Add</i>	0.21	
<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.23	
<i>For &gt;20,000, Deduct</i>	-0.30	
09 91 23 00-0020 SF 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Walls .....	0.60	
<i>For Oil Based Paint, Add</i>	0.04	
<i>For Epoxy Paint, Add</i>	0.07	
<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07	
<i>Note: Applied only to work area above 15' to 20'.</i>		
<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.12	
<i>Note: Applied only to work area above 20' to 30'.</i>		
<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.19	
<i>Note: Applied only to work area above 30' to 40'.</i>		
<i>For Work &gt;40' Above Floor, Add</i>	0.26	
<i>Note: Applied only to work area above 40'.</i>		
<i>For Up To 100, Add</i>	0.38	
<i>For &gt;100 To 250, Add</i>	0.18	
<i>For &gt;250 To 500, Add</i>	0.08	
<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09	
<i>For &gt;20,000, Deduct</i>	-0.12	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0021	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Walls	0.67	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Epoxy Paint, Add</i>	0.06	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.45	
			<i>For &gt;100 To 250, Add</i>	0.21	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10	
			<i>For &gt;20,000, Deduct</i>	-0.13	
09 91 23 00-0022	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Walls	1.23	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Epoxy Paint, Add</i>	0.12	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.42	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.58	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.81	
			<i>For &gt;100 To 250, Add</i>	0.39	
			<i>For &gt;250 To 500, Add</i>	0.17	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.18	
			<i>For &gt;20,000, Deduct</i>	-0.25	
09 91 23 00-0023	SF		1 Coat Filler, Sprayed, Paint Interior Concrete Walls	0.49	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Epoxy Paint, Add</i>	0.07	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.05	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.28	
			<i>For &gt;100 To 250, Add</i>	0.14	
			<i>For &gt;250 To 500, Add</i>	0.06	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.02	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.07	
			<i>For &gt;20,000, Deduct</i>	-0.10	
			<i>For Backroll, Add</i>	0.06	
09 91 23 00-0024	SF		1 Coat Paint, Sprayed, Paint Interior Concrete Walls	0.56	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Epoxy Paint, Add</i>	0.06	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.35	
			<i>For &gt;100 To 250, Add</i>	0.17	
			<i>For &gt;250 To 500, Add</i>	0.07	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.08	
			<i>For &gt;20,000, Deduct</i>	-0.11	
			<i>For Backroll, Add</i>	0.07	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0025 SF 2 Coats Paint, Sprayed, Paint Interior Concrete Walls.....	0.90	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
For Backroll, Add	0.11	
09 91 23 00-0026 SF 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Walls.....	0.76	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0027 SF 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Walls.....	0.62	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0028 SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Walls.....	0.51	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.14	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.19	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
For Backroll, Add	0.06	
09 91 23 00-0029 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Walls.....	0.14	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.03	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.05	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.07	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.09	
For >100 To 250, Add	0.04	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	

09 91 23 00-0030 Paint Interior Concrete Block Walls (09 91 23 00-0001)

09 91 23 00-0031 Paint Interior Concrete Block Walls, Epoxy Paint (09 91 23 00-0030)

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0032	LF 1 Coat Epoxy Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls .....	0.36	
	For Work >15' To 20' Above Floor, Add	0.02	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.04	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.06	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.08	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.14	
	For >100 To 250, Add	0.07	
	For >250 To 500, Add	0.03	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.04	
	For >10,000 To 20,000, Deduct	-0.05	
	For >20,000, Deduct	-0.07	
09 91 23 00-0033	SF 1 Coat Epoxy Filler, Brush Work, Paint Interior Concrete Block Walls .....	1.02	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.45	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.64	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 23 00-0034	SF 1 Coat Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls .....	1.18	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.24	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.39	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.53	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.76	
	For >100 To 250, Add	0.36	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.24	
09 91 23 00-0035	SF 2 Coats Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls .....	2.10	
	For Work >15' To 20' Above Floor, Add	0.25	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.42	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.67	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.92	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.32	
	For >100 To 250, Add	0.63	
	For >250 To 500, Add	0.27	
	For >2,500 To 5,000, Deduct	-0.11	
	For >5,000 To 10,000, Deduct	-0.21	
	For >10,000 To 20,000, Deduct	-0.32	
	For >20,000, Deduct	-0.42	
09 91 23 00-0036	SF 1 Coat Epoxy Filler, Brush/Roller Work, Paint Interior Concrete Block Walls .....	0.83	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.25	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.34	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.50	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.17	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0037 SF 1 Coat Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls .....	0.92	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 23 00-0038 SF 2 Coats Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls .....	1.72	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.33	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.52	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.72	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.04	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.34	
09 91 23 00-0039 SF 1 Coat Epoxy Filler, Sprayed, Paint Interior Concrete Block Walls .....	0.65	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.10	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.16	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.22	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.34	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
For Backroll, Add	0.07	
09 91 23 00-0040 SF 1 Coat Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls .....	0.80	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
For Backroll, Add	0.10	
09 91 23 00-0041 SF 2 Coats Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls .....	1.45	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.77	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
For Backroll, Add	0.16	

09 91 23 00-0042 Paint Interior Concrete Block Walls, Acrylic Latex Paint (09 91 23 00-0030)

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0043	SF	1	Coat Filler, Brush Work, Paint Interior Concrete Block Walls.....	0.95	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.45	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.63	
			<i>For &gt;100 To 250, Add</i>	0.30	
			<i>For &gt;250 To 500, Add</i>	0.13	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14	
			<i>For &gt;20,000, Deduct</i>	-0.19	
09 91 23 00-0044	SF	1	Coat Paint, Brush Work, Paint Interior Concrete Block Walls.....	1.12	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.52	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.73	
			<i>For &gt;100 To 250, Add</i>	0.35	
			<i>For &gt;250 To 500, Add</i>	0.15	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17	
			<i>For &gt;20,000, Deduct</i>	-0.22	
09 91 23 00-0045	SF	2	Coats Paint, Brush Work, Paint Interior Concrete Block Walls.....	2.03	
			<i>For Oil Based Paint, Add</i>	0.12	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.42	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.66	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.91	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.30	
			<i>For &gt;100 To 250, Add</i>	0.62	
			<i>For &gt;250 To 500, Add</i>	0.27	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.20	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.30	
			<i>For &gt;20,000, Deduct</i>	-0.41	
09 91 23 00-0046	SF	Texture Coat, Brush Work, Paint Interior Concrete Block Walls.....	1.25		
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.42	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.57	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.81	
			<i>For &gt;100 To 250, Add</i>	0.39	
			<i>For &gt;250 To 500, Add</i>	0.17	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.19	
			<i>For &gt;20,000, Deduct</i>	-0.25	
09 91 23 00-0047	SF	1	Coat Filler, Brush/Roller Work, Paint Interior Concrete Block Walls.....	0.80	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.36	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.52	
			<i>For &gt;100 To 250, Add</i>	0.25	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
			<i>For &gt;20,000, Deduct</i>	-0.16	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0048 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Block Walls .....	0.94	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0049 SF 2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls .....	1.68	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.33	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.52	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.72	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.04	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.34	
09 91 23 00-0050 SF Texture Coat, Brush/Roller Work, Paint Interior Concrete Block Walls .....	1.05	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0051 SF 1 Coat Filler, Sprayed, Paint Interior Concrete Block Walls .....	0.68	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.28	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
For Backroll, Add	0.08	
09 91 23 00-0052 SF 1 Coat Paint, Sprayed, Paint Interior Concrete Block Walls .....	0.78	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
For Backroll, Add	0.09	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0053	SF		2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls .....	1.12	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.67	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
			For Backroll, Add	0.14	
09 91 23 00-0054	SF		Texture Coat, Sprayed, Paint Interior Concrete Block Walls .....	0.91	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.35	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
			For Backroll, Add	0.11	
09 91 23 00-0055	LF		1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls .....	0.18	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.06	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.08	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.12	
			For >100 To 250, Add	0.06	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	
09 91 23 00-0056			<b>Paint Interior Concrete Block Walls With Bonding Agent</b> (09 91 23 00-0030)		
09 91 23 00-0057	SF		1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Block Walls .....	0.97	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.19	
09 91 23 00-0058	SF		1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Block Walls .....	0.82	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.36	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0059	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Block Walls .....	0.72	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.13	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.20	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.28	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.41	
		<i>For &gt;100 To 250, Add</i>	0.20	
		<i>For &gt;250 To 500, Add</i>	0.09	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11	
		<i>For &gt;20,000, Deduct</i>	-0.14	
		<i>For Backroll, Add</i>	0.09	

09 91 23 00-0060 Paint Interior Plaster/Drywall Walls (09 91 23 00-0001)

09 91 23 00-0061 Paint Interior Plaster/Drywall Walls (09 91 23 00-0060)

09 91 23 00-0062	SF	1 Coat Primer, Brush Work, Paint Interior Plaster/Drywall Walls.....	0.77	
		<i>For Oil Based Paint, Add</i>	0.04	
		<i>For Orange Peel Finish, Add</i>	0.11	
		<i>For Epoxy Paint, Add</i>	0.07	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.16	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.26	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.36	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.51	
		<i>For &gt;100 To 250, Add</i>	0.24	
		<i>For &gt;250 To 500, Add</i>	0.10	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
		<i>For &gt;20,000, Deduct</i>	-0.15	

09 91 23 00-0063	SF	1 Coat Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	0.82	
		<i>For Oil Based Paint, Add</i>	0.05	
		<i>For Orange Peel Finish, Add</i>	0.12	
		<i>For Epoxy Paint, Add</i>	0.07	
		<i>For Each Coat With Egg Shell Finish, Add</i>	0.01	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.29	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.40	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.56	
		<i>For &gt;100 To 250, Add</i>	0.26	
		<i>For &gt;250 To 500, Add</i>	0.11	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
		<i>For &gt;20,000, Deduct</i>	-0.16	

09 91 23 00-0064	SF	2 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls .....	1.48	
		<i>For Oil Based Paint, Add</i>	0.08	
		<i>For Orange Peel Finish, Add</i>	0.21	
		<i>For Epoxy Paint, Add</i>	0.13	
		<i>For Each Coat With Egg Shell Finish, Add</i>	0.01	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.20	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.33	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.52	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.72	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	1.00	
		<i>For &gt;100 To 250, Add</i>	0.47	
		<i>For &gt;250 To 500, Add</i>	0.20	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.22	
		<i>For &gt;20,000, Deduct</i>	-0.30	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0065	SF		3 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls .....	2.13	
			For Oil Based Paint, Add	0.12	
			For Orange Peel Finish, Add	0.30	
			For Epoxy Paint, Add	0.19	
			For Each Coat With Egg Shell Finish, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.28	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.46	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.74	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.02	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.43	
			For >100 To 250, Add	0.68	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.32	
			For >20,000, Deduct	-0.43	
09 91 23 00-0066	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls .....	0.61	
			For Oil Based Paint, Add	0.04	
			For Orange Peel Finish, Add	0.08	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.20	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.27	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 23 00-0067	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls .....	0.69	
			For Oil Based Paint, Add	0.04	
			For Orange Peel Finish, Add	0.10	
			For Epoxy Paint, Add	0.06	
			For Each Coat With Egg Shell Finish, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91 23 00-0068	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls .....	1.23	
			For Oil Based Paint, Add	0.07	
			For Orange Peel Finish, Add	0.17	
			For Epoxy Paint, Add	0.12	
			For Each Coat With Egg Shell Finish, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.26	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.41	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.56	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0069	SF		1 Coat Primer, Sprayed, Paint Interior Plaster/Drywall Walls.....	0.48	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.05	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.09	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.14	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.19	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
			For Backroll, Add	0.06	
09 91 23 00-0070	SF		1 Coat Paint, Sprayed, Paint Interior Plaster/Drywall Walls .....	0.56	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.06	
			For Each Coat With Egg Shell Finish, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.24	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
			For Backroll, Add	0.07	
09 91 23 00-0071	SF		2 Coats Paint, Sprayed, Paint Interior Plaster/Drywall Walls .....	0.90	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.11	
			For Each Coat With Egg Shell Finish, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
			For Backroll, Add	0.11	
09 91 23 00-0072	LF		Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Cut-in Brush Work .....	0.14	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.03	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.05	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.07	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.09	
			For >100 To 250, Add	0.04	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 20,000, Deduct	-0.02	
			For >20,000, Deduct	-0.03	

09 91 23 00-0073 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint (09 91 23 00-0060)

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0074	SF		Paint Interior Plaster/Drywall Or Masonry Walls, 2 Tone Polymix With Base Coat, Sprayed.....	1.47	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
09 91 23 00-0075	SF		Paint Interior Plaster/Drywall Or Masonry Walls, 3 Tone Polymix With Base Coat, Sprayed.....	1.59	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
09 91 23 00-0076	SF		Paint Interior Plaster/Drywall Or Masonry Walls, 4 Tone Polymix With Base Coat, Sprayed.....	1.70	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.72	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.34	
09 91 23 00-0077			<b>Paint Interior Plaster/Drywall Walls, Acoustic Texture (09 91 23 00-0060)</b>		
09 91 23 00-0078	SF		Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Primer, Sprayed .....	0.62	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.24	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 23 00-0079	SF		Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Finish, Sprayed .....	0.74	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.31	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0080	SF	Paint Interior Plaster/Drywall Walls, Acoustic Texture, 2 Coats Finish, Sprayed .....	1.15	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.31	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.43	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.64	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.23	
09 91 23 00-0081	SF	Paint Interior Plaster/Drywall Walls, Stipple Finish (Drippowder) .....	1.24	
		For Work >15' To 20' Above Floor, Add	0.18	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.29	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.47	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.64	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.89	
		For >100 To 250, Add	0.42	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	

**09 91 23 00-0082 Paint Interior Metal Walls** (09 91 23 00-0001)

**09 91 23 00-0083 Paint Interior Galvanized Walls** (09 91 23 00-0082)

Note: Linseed oil or acrylic latex paint.					
09 91 23 00-0084	SF	1 Coat Primer, Brush Work, Paint Interior Galvanized Wall Surfaces .....	0.92		
		For Electrostatic Painting, Add	0.12		
		For Work >15' To 20' Above Floor, Add	0.11		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.18		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.29		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.40		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.57		
		For >100 To 250, Add	0.27		
		For >250 To 500, Add	0.12		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.09		
		For >10,000 To 20,000, Deduct	-0.14		
		For >20,000, Deduct	-0.18		
09 91 23 00-0085	SF	1 Coat Paint, Brush Work, Paint Interior Galvanized Wall Surfaces .....	1.03		
		For Electrostatic Painting, Add	0.13		
		For Work >15' To 20' Above Floor, Add	0.12		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.21		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.33		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.46		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.65		
		For >100 To 250, Add	0.31		
		For >250 To 500, Add	0.13		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.10		
		For >10,000 To 20,000, Deduct	-0.15		
		For >20,000, Deduct	-0.21		
09 91 23 00-0086	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Wall Surfaces .....	1.85		
		For Electrostatic Painting, Add	0.25		
		For Work >15' To 20' Above Floor, Add	0.22		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.36		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.58		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.80		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	1.15		
		For >100 To 250, Add	0.55		
		For >250 To 500, Add	0.24		
		For >2,500 To 5,000, Deduct	-0.09		
		For >5,000 To 10,000, Deduct	-0.19		
		For >10,000 To 20,000, Deduct	-0.28		
		For >20,000, Deduct	-0.37		

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0087	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Walls .....	0.68	
			For Electrostatic Painting, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.21	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.29	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91 23 00-0088	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Wall .....	0.79	
			For Electrostatic Painting, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0089	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Walls.....	1.48	
			For Electrostatic Painting, Add	0.20	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.46	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.63	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.91	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.30	
09 91 23 00-0090	SF		1 Coat Primer, Sprayed, Paint Interior Galvanized Walls.....	0.55	
			For Electrostatic Painting, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.05	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.08	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.13	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.18	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
			For Backroll, Add	0.06	
09 91 23 00-0091	SF		1 Coat Paint, Sprayed, Paint Interior Galvanized Walls.....	0.73	
			For Electrostatic Painting, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.20	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.28	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
			For Backroll, Add	0.09	

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0092	SF 2 Coats Paint, Sprayed, Paint Interior Galvanized Walls .....		1.19	
	For Electrostatic Painting, Add		0.19	
	For Work >15' To 20' Above Floor, Add		0.11	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.19	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.30	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.41	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.62	
	For >100 To 250, Add		0.30	
	For >250 To 500, Add		0.13	
	For >2,500 To 5,000, Deduct		-0.06	
	For >5,000 To 10,000, Deduct		-0.12	
	For >10,000 To 20,000, Deduct		-0.18	
	For >20,000, Deduct		-0.24	
	For Backroll, Add		0.13	
09 91 23 00-0093	<b>Paint Interior Aluminum And Aluminum Alloy Walls</b> (09 91 23 00-0082)			
	Note: Alkyd enamel paint.			
09 91 23 00-0094	SF Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Primer, Brush Work .....		0.92	
	For Electrostatic Painting, Add		0.12	
	For Work >15' To 20' Above Floor, Add		0.11	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.18	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.29	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.40	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.57	
	For >100 To 250, Add		0.27	
	For >250 To 500, Add		0.12	
	For >2,500 To 5,000, Deduct		-0.05	
	For >5,000 To 10,000, Deduct		-0.09	
	For >10,000 To 20,000, Deduct		-0.14	
	For >20,000, Deduct		-0.18	
09 91 23 00-0095	SF Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Paint, Brush Work .....		1.03	
	For Electrostatic Painting, Add		0.13	
	For Work >15' To 20' Above Floor, Add		0.12	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.21	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.33	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.46	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.65	
	For >100 To 250, Add		0.31	
	For >250 To 500, Add		0.13	
	For >2,500 To 5,000, Deduct		-0.05	
	For >5,000 To 10,000, Deduct		-0.10	
	For >10,000 To 20,000, Deduct		-0.15	
	For >20,000, Deduct		-0.21	
09 91 23 00-0096	SF Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 2 Coats Paint, Brush Work .....		1.84	
	For Electrostatic Painting, Add		0.24	
	For Work >15' To 20' Above Floor, Add		0.22	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.36	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.58	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.80	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		1.15	
	For >100 To 250, Add		0.55	
	For >250 To 500, Add		0.24	
	For >2,500 To 5,000, Deduct		-0.09	
	For >5,000 To 10,000, Deduct		-0.18	
	For >10,000 To 20,000, Deduct		-0.28	
	For >20,000, Deduct		-0.37	
09 91 23 00-0097	SF Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Brush/Roller Work .....		0.75	
	For Electrostatic Painting, Add		0.11	
	For Work >15' To 20' Above Floor, Add		0.08	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.13	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.21	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.29	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.42	
	For >100 To 250, Add		0.21	
	For >250 To 500, Add		0.09	
	For >2,500 To 5,000, Deduct		-0.04	
	For >5,000 To 10,000, Deduct		-0.08	
	For >10,000 To 20,000, Deduct		-0.11	
	For >20,000, Deduct		-0.15	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0098	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Brush/Roller Work.....	0.85	
			For Electrostatic Painting, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 23 00-0099	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Brush/Roller Work.....	1.59	
			For Electrostatic Painting, Add	0.23	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.46	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.63	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.92	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
09 91 23 00-0100	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Sprayed.....	0.60	
			For Electrostatic Painting, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.09	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.15	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.20	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
			For Backroll, Add	0.07	
09 91 23 00-0101	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Sprayed.....	0.73	
			For Electrostatic Painting, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.20	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.28	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
			For Backroll, Add	0.09	
09 91 23 00-0102	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Sprayed.....	1.19	
			For Electrostatic Painting, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
			For Backroll, Add	0.13	
09 91 23 00-0103			Paint Interior Corrugated Metal Walls (09 91 23 00-0082)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0104 SF Paint Interior Corrugated Metal Walls, 1 Coat Primer, Sprayed.....	0.67	
For Electrostatic Painting, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.10	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.16	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.23	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
For Backroll, Add	0.07	
09 91 23 00-0105 SF Paint Interior Corrugated Metal Walls, 1 Coat Paint, Sprayed .....	0.92	
For Electrostatic Painting, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
For Backroll, Add	0.11	
09 91 23 00-0106 SF Paint Interior Corrugated Metal Walls, 2 Coats Paint, Sprayed.....	1.51	
For Electrostatic Painting, Add	0.23	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.40	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.54	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.82	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
For Backroll, Add	0.17	
<b>09 91 23 00-0107 Paint Interior Stucco Walls (09 91 23 00-0001)</b>		
09 91 23 00-0108 SF Paint Interior Stucco Wall Surfaces, 1 Coat Primer, Brush Work.....	1.28	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.63	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.88	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 91 23 00-0109 SF Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Brush Work .....	1.40	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.31	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.50	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.68	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.95	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0110	SF Paint Interior Stucco Wall Surfaces, 2 Coats Paint, Brush Work.....	2.47	
	For Oil Based Paint, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.32	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.54	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.86	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.18	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.66	
	For >100 To 250, Add	0.78	
	For >250 To 500, Add	0.34	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.25	
	For >10,000 To 20,000, Deduct	-0.37	
	For >20,000, Deduct	-0.49	
09 91 23 00-0111	SF Paint Interior Stucco Wall Surfaces, 1 Coat Primer, Brush/Roller Work.....	0.96	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.33	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.45	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.64	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 23 00-0112	SF Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Brush/Roller Work .....	1.09	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.72	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.22	
09 91 23 00-0113	SF Paint Interior Stucco Wall Surfaces, 2 Coats Paint, Brush/Roller Work .....	1.99	
	For Oil Based Paint, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.25	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.42	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.67	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.92	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.30	
	For >100 To 250, Add	0.62	
	For >250 To 500, Add	0.27	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.20	
	For >10,000 To 20,000, Deduct	-0.30	
	For >20,000, Deduct	-0.40	
09 91 23 00-0114	SF Paint Interior Stucco Wall Surfaces, 1 Coat Primer, Sprayed .....	0.68	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.13	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.21	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.29	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.41	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.14	
	For Backroll, Add	0.09	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0115 SF Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Sprayed.....	0.83	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
For Backroll, Add	0.10	
09 91 23 00-0116 SF Paint Interior Stucco Wall Surfaces, 2 Coats Paint, Sprayed.....	1.62	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.31	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.50	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.69	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.99	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
For Backroll, Add	0.21	
09 91 23 00-0117 LF Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Cut-in Brush Work.....	0.23	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.03	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.05	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.08	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.11	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.15	
For >100 To 250, Add	0.07	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.05	
<b>09 91 23 00-0118 Paint Interior Wood Walls (09 91 23 00-0001)</b>		
<b>09 91 23 00-0119 Interior Wood Walls (09 91 23 00-0118)</b>		
09 91 23 00-0120 SF 1 Coat Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	0.96	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0121 SF 2 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	1.74	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.60	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.83	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.17	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0122	SF 3 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces .....	2.48	
	For Oil Based Paint, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.32	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.53	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.85	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.17	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.65	
	For >100 To 250, Add	0.78	
	For >250 To 500, Add	0.34	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.25	
	For >10,000 To 20,000, Deduct	-0.37	
	For >20,000, Deduct	-0.50	
09 91 23 00-0123	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Walls .....	0.68	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.31	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.44	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.14	
09 91 23 00-0124	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Walls .....	0.77	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.51	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.15	
09 91 23 00-0125	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Walls .....	1.35	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.17	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.28	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.45	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.62	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.87	
	For >100 To 250, Add	0.42	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.27	
09 91 23 00-0126	SF 1 Coat Primer, Sprayed, Paint Interior Wood Walls .....	0.48	
	For Oil Based Paint, Add	0.03	
	For Work >15' To 20' Above Floor, Add	0.05	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.09	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.14	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.19	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.28	
	For >100 To 250, Add	0.13	
	For >250 To 500, Add	0.06	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 20,000, Deduct	-0.07	
	For >20,000, Deduct	-0.10	
	For Backroll, Add	0.06	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0127 SF 1 Coat Paint, Sprayed, Paint Interior Wood Walls.....	0.62	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.25	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Backroll, Add	0.08	
09 91 23 00-0128 SF 2 Coats Paint, Sprayed, Paint Interior Wood Walls.....	1.10	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.43	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
For Backroll, Add	0.13	
09 91 23 00-0129 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Wall Surfaces .....	0.16	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.08	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.11	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
 09 91 23 00-0130 Paint Interior Ceilings (09 91 23)		
09 91 23 00-0131 Paint Interior Acoustical Ceilings (09 91 23 00-0130)		
Note: Includes grid.		
09 91 23 00-0132 SF 1 Coat Primer, Brush Work, Paint Interior Acoustical Ceiling.....	0.85	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.29	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.40	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0133	SF		1 Coat Paint, Brush Work, Paint Interior Acoustical Ceiling .....	0.92	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0134	SF		2 Coats Paint, Brush Work, Paint Interior Acoustical Ceiling .....	1.63	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.22	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.36	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.58	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.80	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.11	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.33	
09 91 23 00-0135	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Acoustical Ceiling .....	0.73	
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 23 00-0136	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling .....	0.71	
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 23 00-0137	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling .....	1.32	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.46	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.63	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.88	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0138 SF 1 Coat Primer, Sprayed, Paint Interior Acoustical Ceiling .....	0.63	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.27	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	
For Backroll, Add	0.08	
09 91 23 00-0139 SF 1 Coat Paint, Sprayed, Paint Interior Acoustical Ceiling.....	0.62	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.28	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Backroll, Add	0.08	
09 91 23 00-0140 SF 2 Coats Paint, Sprayed, Paint Interior Acoustical Ceiling.....	0.98	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
For Backroll, Add	0.12	
09 91 23 00-0141 LF 1 Coat Primer, Cut-in Brush Work, Paint Interior Acoustical Ceiling .....	0.27	
For Oil Based Paint, Add	0.02	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.08	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.13	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.04	
For >20,000, Deduct	-0.05	
<b>09 91 23 00-0142 Paint Interior Concrete Ceilings (09 91 23 00-0130)</b> .....	<b>0.84</b>	
09 91 23 00-0143 SF 1 Coat Filler, Brush Work, Paint Interior Concrete Ceiling .....	0.84	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.29	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.40	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0144	SF 1 Coat Paint, Brush Work, Paint Interior Concrete Ceiling .....	0.92	
	For Oil Based Paint, Add	0.05	
	For Epoxy Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.33	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.46	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.64	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.18	
09 91 23 00-0145	SF 2 Coats Paint, Brush Work, Paint Interior Concrete Ceiling .....	1.63	
	For Oil Based Paint, Add	0.09	
	For Epoxy Paint, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.22	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.36	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.58	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.80	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.11	
	For >100 To 250, Add	0.53	
	For >250 To 500, Add	0.23	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.24	
	For >20,000, Deduct	-0.33	
09 91 23 00-0146	SF 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Ceiling .....	0.64	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.13	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.21	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.29	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.41	
	For >100 To 250, Add	0.19	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.13	
09 91 23 00-0147	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Ceiling .....	0.71	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.25	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.34	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.48	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.14	
09 91 23 00-0148	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Ceiling .....	1.32	
	For Oil Based Paint, Add	0.08	
	For Epoxy Paint, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.17	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.29	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.46	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.63	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.88	
	For >100 To 250, Add	0.42	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0149 SF 1 Coat Filler, Sprayed, Paint Interior Concrete Ceiling.....	0.60	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.25	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Backroll, Add	0.08	
09 91 23 00-0150 SF 1 Coat Paint, Sprayed, Paint Interior Concrete Ceiling .....	0.62	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.28	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Backroll, Add	0.08	
09 91 23 00-0151 SF 2 Coats Paint, Sprayed, Paint Interior Concrete Ceiling .....	0.97	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
For Backroll, Add	0.12	
09 91 23 00-0152 SF 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Ceiling.....	0.86	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.29	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.40	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0153 SF 1 Coat Bonding Agent, Brush/Roller, Paint Interior Concrete Ceiling.....	0.66	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0154	SF	1	Coat Bonding Agent, Sprayed, Paint Interior Concrete Ceiling.....	0.62	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.37	
			<i>For &gt;100 To 250, Add</i>	0.18	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09	
			<i>For &gt;20,000, Deduct</i>	-0.12	
			<i>For Backroll, Add</i>	0.08	
09 91 23 00-0155	LF	1	Coat Paint, Cut-in Brush Work, Paint Interior Concrete Ceiling.....	0.16	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.02	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.04	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.06	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.11	
			<i>For &gt;100 To 250, Add</i>	0.05	
			<i>For &gt;250 To 500, Add</i>	0.02	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.02	
			<i>For &gt;20,000, Deduct</i>	-0.03	
09 91 23 00-0156			Paint Interior Drywall/Plaster Ceilings (09 91 23 00-0130).....	0.85	
09 91 23 00-0157	SF	1	Coat Primer, Brush Work, Pain Interior Drywall/Plaster Ceiling .....	0.85	
			<i>For Epoxy Paint, Add</i>	0.08	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Orange Peel Finish, Add</i>	0.12	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.40	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.57	
			<i>For &gt;100 To 250, Add</i>	0.27	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.17	
09 91 23 00-0158	SF	1	Coat Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling.....	0.92	
			<i>For Epoxy Paint, Add</i>	0.07	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Orange Peel Finish, Add</i>	0.13	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.33	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.46	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.64	
			<i>For &gt;100 To 250, Add</i>	0.30	
			<i>For &gt;250 To 500, Add</i>	0.13	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14	
			<i>For &gt;20,000, Deduct</i>	-0.18	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0159 SF 2 Coats Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling.....	1.63	
For Epoxy Paint, Add	0.14	
For Oil Based Paint, Add	0.09	
For Orange Peel Finish, Add	0.23	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.36	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.58	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.80	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.11	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.33	
09 91 23 00-0160 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	0.73	
For Epoxy Paint, Add	0.07	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0161 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	0.71	
For Epoxy Paint, Add	0.06	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0162 SF 2 Coats Paints, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	1.32	
For Epoxy Paint, Add	0.12	
For Oil Based Paint, Add	0.08	
For Orange Peel Finish, Add	0.19	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.63	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.88	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0163	SF		1 Coat Primer, Sprayed, Paint Interior Drywall/Plaster Ceiling.....	0.63	
			For Epoxy Paint, Add	0.07	
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.20	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.27	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.13	
			For Backroll, Add	0.08	
09 91 23 00-0164	SF		1 Coat Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling.....	0.62	
			For Epoxy Paint, Add	0.07	
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.20	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.28	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
			For Backroll, Add	0.08	
09 91 23 00-0165	SF		2 Coats Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling.....	0.98	
			For Epoxy Paint, Add	0.12	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
			For Backroll, Add	0.12	
09 91 23 00-0166	LF		1 Coat Paint, Cut-in Brush Work, Paint Interior Drywall/Plaster Ceiling.....	0.16	
			For Epoxy Paint, Add	0.01	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.06	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.08	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.11	
			For >100 To 250, Add	0.05	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.02	
			For >20,000, Deduct	-0.03	

09 91 23 00-0167 Paint Interior Metal Ceilings (09 91 23 00-0130)

09 91 23 00-0168 Galvanized Surfaces, Galvanized Primer (09 91 23 00-0167)  
 Note: Linseed oil or acrylic latex paint.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0169 SF Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush Work .....	1.03	
For Electrostatic Painting, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.21	
09 91 23 00-0170 SF Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush Work.....	1.14	
For Electrostatic Painting, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.52	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.74	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 23 00-0171 SF Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush Work.....	2.05	
For Electrostatic Painting, Add	0.26	
For Work >15' To 20' Above Floor, Add	0.25	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.42	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.66	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.91	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.30	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.41	
09 91 23 00-0172 SF Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.78	
For Electrostatic Painting, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0173 SF Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.88	
For Electrostatic Painting, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.29	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.40	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0174	SF		Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.63	
			For Electrostatic Painting, Add	0.21	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.33	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.52	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.72	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.03	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.33	
09 91 23 00-0175	SF		Paint Interior Galvanized Ceiling, 1 Coat Primer, Sprayed.....	0.73	
			For Electrostatic Painting, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.20	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.28	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
			For Backroll, Add	0.09	
09 91 23 00-0176	SF		Paint Interior Galvanized Ceiling, 1 Coat Paint, Sprayed.....	0.85	
			For Electrostatic Painting, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
			For Backroll, Add	0.10	
09 91 23 00-0177	SF		Paint Interior Galvanized Ceiling, 2 Coats Paint, Sprayed.....	1.32	
			For Electrostatic Painting, Add	0.20	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.35	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.48	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.72	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
			For Backroll, Add	0.15	
09 91 23 00-0178			<b>Aluminum And Aluminum Alloy Surface Pretreatment Primer</b> (09 91 23 00-0167)		
			Note: Alkyd enamel paint.		
09 91 23 00-0179	SF		Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work.....	1.03	
			For Electrostatic Painting, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.21	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0180	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work.....	1.14	
		For Electrostatic Painting, Add	0.14	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.24	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.38	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.52	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.74	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.23	
09 91 23 00-0181	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work.....	2.05	
		For Electrostatic Painting, Add	0.26	
		For Work >15' To 20' Above Floor, Add	0.25	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.42	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.66	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.91	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.30	
		For >100 To 250, Add	0.62	
		For >250 To 500, Add	0.27	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.21	
		For >10,000 To 20,000, Deduct	-0.31	
		For >20,000, Deduct	-0.41	
09 91 23 00-0182	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.85	
		For Electrostatic Painting, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.16	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.25	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.34	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.50	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	
09 91 23 00-0183	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work .....	0.95	
		For Electrostatic Painting, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.18	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.29	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.40	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.57	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	
09 91 23 00-0184	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work .....	1.79	
		For Electrostatic Painting, Add	0.25	
		For Work >15' To 20' Above Floor, Add	0.20	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.34	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.54	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.74	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.07	
		For >100 To 250, Add	0.51	
		For >250 To 500, Add	0.22	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.27	
		For >20,000, Deduct	-0.36	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0185	SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed.....	0.73	
	For Electrostatic Painting, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.13	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.20	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.28	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.41	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	
	For Backroll, Add	0.09	
09 91 23 00-0186	SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed.....	0.85	
	For Electrostatic Painting, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.25	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.34	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.50	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	
	For Backroll, Add	0.10	
09 91 23 00-0187	SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed.....	1.32	
	For Electrostatic Painting, Add	0.20	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.35	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.48	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.72	
	For >100 To 250, Add	0.35	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.26	
	For Backroll, Add	0.15	
09 91 23 00-0188	Paint Interior Ceiling Tile Grid (09 91 23 00-0167)		
	Note: Grid only.		
09 91 23 00-0189	LF Paint Interior Ceiling Tile Grid, 1 Coat Paint, Brush/Roller Work.....	0.22	
	For Electrostatic Painting, Add	0.03	
	For Work >15' To 20' Above Floor, Add	0.03	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.05	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.08	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.10	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.15	
	For >100 To 250, Add	0.07	
	For >250 To 500, Add	0.03	
	For >2,500 To 5,000, Deduct	-0.01	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 20,000, Deduct	-0.03	
	For >20,000, Deduct	-0.04	
09 91 23 00-0190	LF Paint Interior Ceiling Tile Grid, 2 Coats Paint, Brush/Roller Work.....	0.45	
	For Electrostatic Painting, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.10	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.16	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.21	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.30	
	For >100 To 250, Add	0.14	
	For >250 To 500, Add	0.06	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 20,000, Deduct	-0.07	
	For >20,000, Deduct	-0.09	



MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>09 91 23 00-0191 Paint Interior Corrugated Metal Ceilings</b> (09 91 23 00-0167)				
09 91 23 00-0192	SF	Paint Interior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed.....	0.96	
		For Electrostatic Painting, Add	0.14	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.26	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.36	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.54	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	
		For Backroll, Add	0.11	
09 91 23 00-0193	SF	Paint Interior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed.....	1.12	
		For Electrostatic Painting, Add	0.16	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.33	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.45	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.66	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	
		For Backroll, Add	0.14	
09 91 23 00-0194	SF	Paint Interior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed.....	1.77	
		For Electrostatic Painting, Add	0.27	
		For Work >15' To 20' Above Floor, Add	0.17	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.29	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.46	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.64	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.96	
		For >100 To 250, Add	0.47	
		For >250 To 500, Add	0.20	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.27	
		For >20,000, Deduct	-0.35	
		For Backroll, Add	0.20	
<b>09 91 23 00-0195 Paint Interior Wood Ceilings</b> (09 91 23 00-0130)				
<b>09 91 23 00-0196 Paint Interior Smooth Wood Ceilings</b> (09 91 23 00-0195)				
09 91 23 00-0197	SF	Paint Interior Wood Smooth Ceiling, 1 Coat Primer, Brush Work.....	1.02	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.22	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.47	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.67	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.20	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0198	SF		Paint Interior Wood Smooth Ceiling, 1 Coat Paint, Brush Work.....	1.08	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.38	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.52	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
09 91 23 00-0199	SF		Paint Interior Wood Smooth Ceiling, 2 Coats Paint, Brush Work.....	1.94	
			For Oil Based Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.25	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.42	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.66	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.91	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.29	
			For >100 To 250, Add	0.61	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.39	
09 91 23 00-0200	SF		Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.80	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0201	SF		Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.88	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 23 00-0202	SF		Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.66	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.74	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.05	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0203 SF Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Sprayed.....	0.64	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.28	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
For Backroll, Add	0.08	
09 91 23 00-0204 SF Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Sprayed.....	0.76	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
For Backroll, Add	0.10	
09 91 23 00-0205 SF Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Sprayed.....	1.15	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
For Backroll, Add	0.14	
09 91 23 00-0206 LF Paint Interior Wood Smooth Ceiling, 1 Coat Paint, Cut-in Brush Work.....	0.17	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.08	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.12	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.03	
<b>09 91 23 00-0207 Paint Interior Wood Beams (09 91 23 00-0130).....</b>	<b>1.13</b>	
09 91 23 00-0208 SF Paint Interior Wood Beams, 1 Coat Primer, Brush Work.....	1.13	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0209	SF		Paint Interior Wood Beams, 1 Coat Paint, Brush Work.....	1.17	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.26	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.41	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.57	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.79	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.23	
09 91 23 00-0210	SF		Paint Interior Wood Beams, 2 Coats Paint, Brush Work .....	2.12	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.28	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.46	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.74	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.01	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.42	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.32	
			For >20,000, Deduct	-0.42	
09 91 23 00-0211	SF		Paint Interior Wood Beams, 1 Coat Primer, Brush/Roller Work .....	0.89	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 23 00-0212	SF		Paint Interior Wood Beams, 1 Coat Paint, Brush/Roller Work.....	0.88	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 23 00-0213	SF		Paint Interior Wood Beams, 2 Coats Paint, Brush/Roller Work.....	1.66	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.74	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.05	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0214 SF Paint Interior Wood Beams, 1 Coat Primer, Sprayed.....	0.76	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
For Backroll, Add	0.10	
09 91 23 00-0215 SF Paint Interior Wood Beams, 1 Coat Paint, Sprayed.....	0.76	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
For Backroll, Add	0.10	
09 91 23 00-0216 SF Paint Interior Wood Beams, 2 Coats Paint, Sprayed.....	1.25	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.77	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
For Backroll, Add	0.16	
<b>09 91 23 00-0217 Paint Interior Floors And Decks (09 91 23)</b>		
<b>09 91 23 00-0218 Paint Interior Concrete Floors And Decks (09 91 23 00-0217)</b>		
09 91 23 00-0219 SF 1 Coat Primer, Brush Work, Paint Interior Concrete Floors And Decks.....	0.64	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0220 SF 1 Coat Paint, Brush Work, Paint Interior Concrete Floors And Decks.....	0.71	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0221 SF 2 Coats Paint, Brush Work, Paint Interior Concrete Floors And Decks.....	1.39	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.12	
For Up To 100, Add	0.93	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0222	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Floors And Decks .....	0.63	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.07	
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.13	
09 91 23 00-0223	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks .....	0.61	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.06	
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 23 00-0224	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks.....	0.99	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.10	
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 23 00-0225	SF		1 Coat Primer, Sprayed, Paint Interior Concrete Floors And Decks.....	0.48	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.07	
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
			For Backroll, Add	0.06	
09 91 23 00-0226	SF		1 Coat Paint, Sprayed, Paint Interior Concrete Floors And Decks .....	0.49	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.06	
			For Up To 100, Add	0.30	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
			For Backroll, Add	0.06	
09 91 23 00-0227	SF		2 Coats Paint, Sprayed, Paint Interior Concrete Floors And Decks .....	0.85	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.11	
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
			For Backroll, Add	0.10	
09 91 23 00-0228	SF		1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Floors And Decks .....	0.66	
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 23 00-0229	SF		1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Floors And Decks .....	0.65	
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 23 00-0230	SF		1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Floors And Decks.....	0.50	
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
			For Backroll, Add	0.06	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0231 SF 1 Coat Non Slip Paint, Brush Work, Paint Interior Concrete Floors And Decks .....	1.72	
For Up To 100, Add	0.63	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.34	
09 91 23 00-0232 SF 1 Coat Non Slip Epoxy Coating, Brush Work, Paint Interior Concrete Floors And Decks (Rust-Oleum® AS91864251) .....	4.74	
For Up To 100, Add	1.09	
For >100 To 250, Add	0.63	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.24	
For >5,000 To 10,000, Deduct	-0.47	
For >10,000 To 20,000, Deduct	-0.71	
For >20,000, Deduct	-0.95	
09 91 23 00-0233 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Floors And Decks .....	0.12	
For Up To 100, Add	0.08	
For >100 To 250, Add	0.04	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.02	
<b>09 91 23 00-0234 Paint Interior Wood Floors And Decks (09 91 23 00-0217)</b>		
09 91 23 00-0235 SF Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush Work .....	0.79	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0236 SF Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush Work .....	0.86	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0237 SF Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush Work .....	1.62	
For Oil Based Paint, Add	0.10	
For Up To 100, Add	1.05	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 23 00-0238 SF Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work .....	0.62	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0239 SF Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work .....	0.68	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 23 00-0240 SF Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work .....	1.35	
For Oil Based Paint, Add	0.08	
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0241	SF		Paint Interior Wood Floors And Decks, 1 Coat Primer, Sprayed.....	0.51	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.30	
			<i>For &gt;100 To 250, Add</i>	0.14	
			<i>For &gt;250 To 500, Add</i>	0.06	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.08	
			<i>For &gt;20,000, Deduct</i>	-0.10	
			<i>For Backroll, Add</i>	0.06	
09 91 23 00-0242	SF		Paint Interior Wood Floors And Decks, 1 Coat Paint, Sprayed .....	0.64	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.40	
			<i>For &gt;100 To 250, Add</i>	0.19	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10	
			<i>For &gt;20,000, Deduct</i>	-0.13	
			<i>For Backroll, Add</i>	0.08	
09 91 23 00-0243	SF		Paint Interior Wood Floors And Decks, 2 Coats Paint, Sprayed .....	0.91	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.51	
			<i>For &gt;100 To 250, Add</i>	0.25	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14	
			<i>For &gt;20,000, Deduct</i>	-0.18	
			<i>For Backroll, Add</i>	0.11	
09 91 23 00-0244	SF		Paint Interior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work .....	1.72	
			<i>For Up To 100, Add</i>	0.63	
			<i>For &gt;100 To 250, Add</i>	0.33	
			<i>For &gt;250 To 500, Add</i>	0.15	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.17	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.26	
			<i>For &gt;20,000, Deduct</i>	-0.34	
09 91 23 00-0245	SF		Paint Interior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work .....	4.74	
			<i>For Up To 100, Add</i>	1.09	
			<i>For &gt;100 To 250, Add</i>	0.63	
			<i>For &gt;250 To 500, Add</i>	0.30	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.24	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.47	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.71	
			<i>For &gt;20,000, Deduct</i>	-0.95	
09 91 23 00-0246	LF		Paint Interior Wood Floors And Decks, 1 Coat Paint, Cut-in Brush Work .....	0.14	
			<i>For Up To 100, Add</i>	0.09	
			<i>For &gt;100 To 250, Add</i>	0.04	
			<i>For &gt;250 To 500, Add</i>	0.02	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.01	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.02	
			<i>For &gt;20,000, Deduct</i>	-0.03	
<b>09 91 23 00-0247</b>			<b>Paint Interior Doors And Windows (09 91 23)</b>		
<b>09 91 23 00-0248</b>			<b>Paint Interior Door Frames (09 91 23 00-0247)</b>		
09 91 23 00-0249	LF		1 Coat Primer, Brush/Roller Work, Paint Interior Wood Door Frame And Trim.....	0.98	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.26	
09 91 23 00-0250	LF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim .....	1.27	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.33	
09 91 23 00-0251	LF		2 Coats Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trime .....	2.15	
			<i>For Oil Based Paint, Add</i>	0.11	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.56	
09 91 23 00-0252	LF		Paint Interior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work .....	0.99	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.26	
09 91 23 00-0253	LF		Paint Interior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	1.28	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.33	
09 91 23 00-0254	LF		2 Coats Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim .....	2.16	
			<i>For Oil Based Paint, Add</i>	0.12	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.56	
<b>09 91 23 00-0255</b>			<b>Paint Interior Metal Doors (09 91 23 00-0247)</b>		
09 91 23 00-0256	EA		Paint Interior Metal Door, One Face, 1 Coat Primer, Brush/Roller Work.....	43.51	
			<i>For Electrostatic Painting, Add</i>	6.37	
			<i>For Half Louvered Door, Add</i>	4.51	
			<i>For Full Louvered Door, Add</i>	7.52	
			<i>For Oil Based Paint, Add</i>	2.85	
			<i>For &gt;5 To 10, Deduct</i>	-2.18	
			<i>For &gt;10 To 25, Deduct</i>	-4.35	
			<i>For &gt;25, Deduct</i>	-6.53	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	23	00-0257	EA	Paint Interior Metal Door, One Face, 1 Coat Paint, Brush/Roller Work .....	43.51	
				For Electrostatic Painting, Add	6.37	
				For Half Louvered Door, Add	4.51	
				For Full Louvered Door, Add	7.52	
				For Oil Based Paint, Add	2.85	
				For >5 To 10, Deduct	-2.18	
				For >10 To 25, Deduct	-4.35	
				For >25, Deduct	-6.53	
09 91	23	00-0258	EA	Paint Interior Metal Door, One Face, 2 Coats Paint, Brush/Roller Work .....	77.50	
				For Electrostatic Painting, Add	11.76	
				For Half Louvered Door, Add	7.62	
				For Full Louvered Door, Add	12.70	
				For Oil Based Paint, Add	5.21	
				For >5 To 10, Deduct	-3.88	
				For >10 To 25, Deduct	-7.75	
				For >25, Deduct	-11.63	
09 91	23	00-0259	EA	Paint Interior Metal Door, Both Faces, 1 Coat Primer, Brush/Roller Work .....	78.06	
				For Electrostatic Painting, Add	11.43	
				For Half Louvered Door, Add	8.09	
				For Full Louvered Door, Add	13.48	
				For Oil Based Paint, Add	5.11	
				For >5 To 10, Deduct	-3.90	
				For >10 To 25, Deduct	-7.81	
				For >25, Deduct	-11.71	
09 91	23	00-0260	EA	Paint Interior Metal Door, Both Faces, 1 Coat Paint, Brush/Roller Work .....	78.07	
				For Electrostatic Painting, Add	11.43	
				For Half Louvered Door, Add	8.09	
				For Full Louvered Door, Add	13.48	
				For Oil Based Paint, Add	5.11	
				For >5 To 10, Deduct	-3.90	
				For >10 To 25, Deduct	-7.81	
				For >25, Deduct	-11.71	
09 91	23	00-0261	EA	Paint Interior Metal Door, Both Faces, 2 Coats Paint, Brush/Roller Work .....	139.53	
				For Electrostatic Painting, Add	21.20	
				For Half Louvered Door, Add	13.68	
				For Full Louvered Door, Add	22.81	
				For Oil Based Paint, Add	9.39	
				For >5 To 10, Deduct	-6.98	
				For >10 To 25, Deduct	-13.95	
				For >25, Deduct	-20.93	
09 91	23	00-0262	EA	Paint Interior Metal Door, One Face, 1 Coat Primer, Sprayed .....	36.34	
				For Electrostatic Painting, Add	5.85	
				For Half Louvered Door, Add	3.23	
				For Full Louvered Door, Add	5.39	
				For Oil Based Paint, Add	2.56	
				For >5 To 10, Deduct	-1.82	
				For >10 To 25, Deduct	-3.63	
				For >25, Deduct	-5.45	
				For Backroll, Add	3.97	
09 91	23	00-0263	EA	Paint Interior Metal Door, One Face, 1 Coat Paint, Sprayed .....	36.34	
				For Electrostatic Painting, Add	5.85	
				For Half Louvered Door, Add	3.23	
				For Full Louvered Door, Add	5.39	
				For Oil Based Paint, Add	2.56	
				For >5 To 10, Deduct	-1.82	
				For >10 To 25, Deduct	-3.63	
				For >25, Deduct	-5.45	
				For Backroll, Add	3.97	
09 91	23	00-0264	EA	Paint Interior Metal Door, One Face, 2 Coats Paint, Sprayed .....	65.79	
				For Electrostatic Painting, Add	10.99	
				For Half Louvered Door, Add	5.46	
				For Full Louvered Door, Add	9.10	
				For Oil Based Paint, Add	4.76	
				For >5 To 10, Deduct	-3.29	
				For >10 To 25, Deduct	-6.58	
				For >25, Deduct	-9.87	
				For Backroll, Add	6.93	
09 91	23	00-0265	EA	Paint Interior Metal Door, Both Faces, 1 Coat Primer, Sprayed .....	65.24	
				For Electrostatic Painting, Add	10.51	
				For Half Louvered Door, Add	5.80	
				For Full Louvered Door, Add	9.67	
				For Oil Based Paint, Add	4.59	
				For >5 To 10, Deduct	-3.26	
				For >10 To 25, Deduct	-6.52	
				For >25, Deduct	-9.79	
				For Backroll, Add	7.13	
09 91	23	00-0266	EA	Paint Interior Metal Door, Both Faces, 1 Coat Paint, Sprayed .....	65.24	
				For Electrostatic Painting, Add	10.51	
				For Half Louvered Door, Add	5.80	
				For Full Louvered Door, Add	9.67	
				For Oil Based Paint, Add	4.59	
				For >5 To 10, Deduct	-3.26	
				For >10 To 25, Deduct	-6.52	
				For >25, Deduct	-9.79	
				For Backroll, Add	7.13	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0267	EA		Paint Interior Metal Door, Both Faces, 2 Coats Paint, Sprayed .....	118.56	
			<i>For Electrostatic Painting, Add</i>	19.83	
			<i>For Half Louvered Door, Add</i>	9.81	
			<i>For Full Louvered Door, Add</i>	16.36	
			<i>For Oil Based Paint, Add</i>	8.59	
			<i>For &gt;5 To 10, Deduct</i>	-5.93	
			<i>For &gt;10 To 25, Deduct</i>	-11.86	
			<i>For &gt;25, Deduct</i>	-17.78	
			<i>For Backroll, Add</i>	12.47	
<b>09 91 23 00-0268</b>			<b>Paint Interior Wood Doors</b> <small>(09 91 23 00-0247)</small>		
09 91 23 00-0269	EA		Paint Interior Wood Door, One Face, 1 Coat Primer, Brush/Roller Work .....	40.99	
			<i>For Oil Based Paint, Add</i>	2.60	
			<i>For Half Louvered Door, Add</i>	4.51	
			<i>For Full Louvered Door, Add</i>	7.52	
			<i>For &gt;5 To 10, Deduct</i>	-2.05	
			<i>For &gt;10 To 25, Deduct</i>	-4.10	
			<i>For &gt;25, Deduct</i>	-6.15	
09 91 23 00-0270	EA		Paint Interior Wood Door, One Face, 1 Coat Paint, Brush/Roller Work .....	40.99	
			<i>For Oil Based Paint, Add</i>	2.60	
			<i>For Half Louvered Door, Add</i>	4.51	
			<i>For Full Louvered Door, Add</i>	7.52	
			<i>For &gt;5 To 10, Deduct</i>	-2.05	
			<i>For &gt;10 To 25, Deduct</i>	-4.10	
			<i>For &gt;25, Deduct</i>	-6.15	
09 91 23 00-0271	EA		Paint Interior Wood Door, One Face, 2 Coats Paint, Brush/Roller Work .....	72.50	
			<i>For Oil Based Paint, Add</i>	4.71	
			<i>For Half Louvered Door, Add</i>	7.62	
			<i>For Full Louvered Door, Add</i>	12.70	
			<i>For &gt;5 To 10, Deduct</i>	-3.63	
			<i>For &gt;10 To 25, Deduct</i>	-7.25	
			<i>For &gt;25, Deduct</i>	-10.88	
09 91 23 00-0272	EA		Paint Interior Wood Door, Both Faces, 1 Coat Primer, Brush/Roller Work .....	73.54	
			<i>For Oil Based Paint, Add</i>	4.66	
			<i>For Half Louvered Door, Add</i>	8.09	
			<i>For Full Louvered Door, Add</i>	13.48	
			<i>For &gt;5 To 10, Deduct</i>	-3.68	
			<i>For &gt;10 To 25, Deduct</i>	-7.35	
			<i>For &gt;25, Deduct</i>	-11.03	
09 91 23 00-0273	EA		Paint Interior Wood Door, Both Faces, 1 Coat Paint, Brush/Roller Work .....	73.54	
			<i>For Oil Based Paint, Add</i>	4.66	
			<i>For Half Louvered Door, Add</i>	8.09	
			<i>For Full Louvered Door, Add</i>	13.48	
			<i>For &gt;5 To 10, Deduct</i>	-3.68	
			<i>For &gt;10 To 25, Deduct</i>	-7.35	
			<i>For &gt;25, Deduct</i>	-11.03	
09 91 23 00-0274	EA		Paint Interior Wood Door, Both Faces, 2 Coats Paint, Brush/Roller Work .....	130.46	
			<i>For Oil Based Paint, Add</i>	8.49	
			<i>For Half Louvered Door, Add</i>	13.68	
			<i>For Full Louvered Door, Add</i>	22.81	
			<i>For &gt;5 To 10, Deduct</i>	-6.52	
			<i>For &gt;10 To 25, Deduct</i>	-13.05	
			<i>For &gt;25, Deduct</i>	-19.57	
09 91 23 00-0275	EA		Paint Interior Wood Door, One Face, 1 Coat Primer, Sprayed .....	33.57	
			<i>For Oil Based Paint, Add</i>	2.28	
			<i>For Half Louvered Door, Add</i>	3.23	
			<i>For Full Louvered Door, Add</i>	5.39	
			<i>For &gt;5 To 10, Deduct</i>	-1.68	
			<i>For &gt;10 To 25, Deduct</i>	-3.36	
			<i>For &gt;25, Deduct</i>	-5.04	
			<i>For Backroll, Add</i>	3.83	
09 91 23 00-0276	EA		Paint Interior Wood Door, One Face, 1 Coat Paint, Sprayed .....	33.57	
			<i>For Oil Based Paint, Add</i>	2.28	
			<i>For Half Louvered Door, Add</i>	3.23	
			<i>For Full Louvered Door, Add</i>	5.39	
			<i>For &gt;5 To 10, Deduct</i>	-1.68	
			<i>For &gt;10 To 25, Deduct</i>	-3.36	
			<i>For &gt;25, Deduct</i>	-5.04	
			<i>For Backroll, Add</i>	3.83	
09 91 23 00-0277	EA		Paint Interior Wood Door, One Face, 2 Coats Paint, Sprayed .....	60.30	
			<i>For Oil Based Paint, Add</i>	4.21	
			<i>For Half Louvered Door, Add</i>	5.46	
			<i>For Full Louvered Door, Add</i>	9.11	
			<i>For &gt;5 To 10, Deduct</i>	-3.02	
			<i>For &gt;10 To 25, Deduct</i>	-6.03	
			<i>For &gt;25, Deduct</i>	-9.05	
			<i>For Backroll, Add</i>	6.66	
09 91 23 00-0278	EA		Paint Interior Wood Door, Both Faces, 1 Coat Primer, Sprayed .....	60.25	
			<i>For Oil Based Paint, Add</i>	4.09	
			<i>For Half Louvered Door, Add</i>	5.80	
			<i>For Full Louvered Door, Add</i>	9.67	
			<i>For &gt;5 To 10, Deduct</i>	-3.01	
			<i>For &gt;10 To 25, Deduct</i>	-6.03	
			<i>For &gt;25, Deduct</i>	-9.04	
			<i>For Backroll, Add</i>	6.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0279	EA	Paint Interior Wood Door, Both Faces, 1 Coat Paint, Sprayed.....	60.25		
		<i>For Oil Based Paint, Add</i>	4.09		
		<i>For Half Louvered Door, Add</i>	5.80		
		<i>For Full Louvered Door, Add</i>	9.67		
		<i>For &gt;5 To 10, Deduct</i>	-3.01		
		<i>For &gt;10 To 25, Deduct</i>	-6.03		
		<i>For &gt;25, Deduct</i>	-9.04		
		<i>For Backroll, Add</i>	6.88		
09 91 23 00-0280	EA	Paint Interior Wood Door, Both Faces, 2 Coats Paint, Sprayed.....	108.58		
		<i>For Oil Based Paint, Add</i>	7.59		
		<i>For Half Louvered Door, Add</i>	9.81		
		<i>For Full Louvered Door, Add</i>	16.36		
		<i>For &gt;5 To 10, Deduct</i>	-5.43		
		<i>For &gt;10 To 25, Deduct</i>	-10.86		
		<i>For &gt;25, Deduct</i>	-16.29		
		<i>For Backroll, Add</i>	11.97		

**09 91 23 00-0281 Paint Interior Metal Windows** (09 91 23 00-0247)  
 Note: Two finish coats paint over rust inhibitive primer.

09 91 23 00-0282	EA	Up To 8 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work.....	76.33		
		<i>For Oil Based Paint, Add</i>	4.26		
		<i>For Electrostatic Painting, Add</i>	8.97		
		<i>For &gt;5 To 10, Deduct</i>	-3.82		
		<i>For &gt;10 To 25, Deduct</i>	-7.63		
		<i>For &gt;25, Deduct</i>	-11.45		
09 91 23 00-0283	EA	>8 To 14 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work .....	91.56		
		<i>For Oil Based Paint, Add</i>	5.27		
		<i>For Electrostatic Painting, Add</i>	11.23		
		<i>For &gt;5 To 10, Deduct</i>	-4.58		
		<i>For &gt;10 To 25, Deduct</i>	-9.16		
		<i>For &gt;25, Deduct</i>	-13.73		
09 91 23 00-0284	EA	>14 To 20 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work .....	123.28		
		<i>For Oil Based Paint, Add</i>	7.14		
		<i>For Electrostatic Painting, Add</i>	15.27		
		<i>For &gt;5 To 10, Deduct</i>	-6.16		
		<i>For &gt;10 To 25, Deduct</i>	-12.33		
		<i>For &gt;25, Deduct</i>	-18.49		
09 91 23 00-0285	EA	>20 To 26 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work .....	138.81		
		<i>For Oil Based Paint, Add</i>	8.05		
		<i>For Electrostatic Painting, Add</i>	17.20		
		<i>For &gt;5 To 10, Deduct</i>	-6.94		
		<i>For &gt;10 To 25, Deduct</i>	-13.88		
		<i>For &gt;25, Deduct</i>	-20.82		
09 91 23 00-0286	EA	>26 To 34 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work .....	153.97		
		<i>For Oil Based Paint, Add</i>	8.92		
		<i>For Electrostatic Painting, Add</i>	19.05		
		<i>For &gt;5 To 10, Deduct</i>	-7.70		
		<i>For &gt;10 To 25, Deduct</i>	-15.40		
		<i>For &gt;25, Deduct</i>	-23.10		
09 91 23 00-0287	SF	>34 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work.....	4.89		
		<i>For Oil Based Paint, Add</i>	0.28		
		<i>For Electrostatic Painting, Add</i>	0.60		

**09 91 23 00-0288 Wood Windows** (09 91 23 00-0247)  
 Note: Two finish coats paint over primer.

09 91 23 00-0289	EA	Up To 8 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work.....	74.65		
		<i>For Oil Based Paint, Add</i>	4.10		
		<i>For &gt;5 To 10, Deduct</i>	-3.73		
		<i>For &gt;10 To 25, Deduct</i>	-7.47		
		<i>For &gt;25, Deduct</i>	-11.20		
09 91 23 00-0290	EA	>8 To 14 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work .....	88.97		
		<i>For Oil Based Paint, Add</i>	5.01		
		<i>For &gt;5 To 10, Deduct</i>	-4.45		
		<i>For &gt;10 To 25, Deduct</i>	-8.90		
		<i>For &gt;25, Deduct</i>	-13.35		
09 91 23 00-0291	EA	>14 To 20 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work .....	124.40		
		<i>For Oil Based Paint, Add</i>	7.02		
		<i>For &gt;5 To 10, Deduct</i>	-6.22		
		<i>For &gt;10 To 25, Deduct</i>	-12.44		
		<i>For &gt;25, Deduct</i>	-18.66		
09 91 23 00-0292	EA	>20 To 26 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work .....	140.06		
		<i>For Oil Based Paint, Add</i>	7.90		
		<i>For &gt;5 To 10, Deduct</i>	-7.00		
		<i>For &gt;10 To 25, Deduct</i>	-14.01		
		<i>For &gt;25, Deduct</i>	-21.01		
09 91 23 00-0293	EA	>26 To 34 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work .....	149.40		
		<i>For Oil Based Paint, Add</i>	8.46		
		<i>For &gt;5 To 10, Deduct</i>	-7.47		
		<i>For &gt;10 To 25, Deduct</i>	-14.94		
		<i>For &gt;25, Deduct</i>	-22.41		
09 91 23 00-0294	SF	>34 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work .....	5.00		
		<i>For Oil Based Paint, Add</i>	0.28		

**09 91 23 00-0295 Paint Interior Security Screens** (09 91 23 00-0247)

09 91 23 00-0296	SF	Paint Interior Security Screen, 1 Coat Primer, Brush/Roller Work .....	1.18		
		<i>For Oil Based Paint, Add</i>	0.07		
		<i>For Electrostatic Painting, Add</i>	0.15		

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0297	SF		Paint Interior Security Screen, 1 Coat Paint, Brush/Roller Work..... <i>For Oil Based Paint, Add</i> <i>For Electrostatic Painting, Add</i>	1.22 0.07 0.14	
09 91 23 00-0298	SF		Paint Interior Security Screen, 2 Coats Paint, Brush/Roller Work..... <i>For Oil Based Paint, Add</i> <i>For Electrostatic Painting, Add</i>	2.02 0.11 0.24	
<b>09 91 23 00-0299</b>			<b>Paint Interior Window Guards</b> (09 91 23 00-0247)		
09 91 23 00-0300	SF		Paint Interior Metal Window Guards, 1 Coat Primer, Brush/Roller Work..... <i>For Oil Based Paint, Add</i>	1.18 0.07	
09 91 23 00-0301	SF		Paint Interior Metal Window Guards, 1 Coat Paint, Brush/Roller Work..... <i>For Oil Based Paint, Add</i>	1.22 0.07	
09 91 23 00-0302	SF		Paint Interior Metal Window Guards, 2 Coats Paint, Brush/Roller Work..... <i>For Oil Based Paint, Add</i>	2.02 0.11	
<b>09 91 23 00-0303</b>			<b>Paint Interior Window Trim</b> (09 91 23 00-0247)		
09 91 23 00-0304	LF		Paint Interior Wood Window Frame And Trim, 1 Coat Primer, Brush/Roller Work..... <i>For Oil Based Paint, Add</i> <i>For Painting One Face Of Frame Only, Deduct</i>	1.16 0.07 -0.32	
09 91 23 00-0305	LF		Paint Interior Wood Window Frame And Trim, 1 Coat Paint, Brush/Roller Work..... <i>For Oil Based Paint, Add</i> <i>For Painting One Face Of Frame Only, Deduct</i>	1.16 0.07 -0.32	
09 91 23 00-0306	LF		Paint Interior Wood Window Frame And Trim, 2 Coats Paint, Brush/Roller Work..... <i>For Oil Based Paint, Add</i> <i>For Painting One Face Of Frame Only, Deduct</i>	2.53 0.15 -0.70	
09 91 23 00-0307	LF		Paint Interior Metal Window Frame And Trim, 1 Coat Primer, Brush/Roller Work..... Note: Brush/roller work. <i>For Painting One Face Of Frame Only, Deduct</i>	1.25  -0.36	
09 91 23 00-0308	LF		Paint Interior Metal Window Frame And Trim, 1 Coat Paint, Brush/Roller Work..... Note: Brush/roller work. <i>For Painting One Face Of Frame Only, Deduct</i>	1.25  -0.36	
09 91 23 00-0309	LF		Paint Interior Metal Window Frame And Trim, 2 Coats Paint, Brush/Roller Work..... Note: Brush/roller work. <i>For Painting One Face Of Frame Only, Deduct</i>	2.70  -0.76	
<b>09 91 23 00-0310</b>			<b>Paint Interior Cabinets And Casework</b> (09 91 23)		
<b>09 91 23 00-0311</b>			<b>Paint Interior Wood Cabinets And Casework</b> (09 91 23 00-0310)		
09 91 23 00-0312	SF		Paint Interior Wood Cabinets And Casework, 1 Coat Paint, Brush/Roller Work..... <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.09 -0.05 -0.11 -0.16	
09 91 23 00-0313	SF		Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 1 Coat Alkyd Or Latex Paint, Brush/Roller Work..... <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.50 -0.08 -0.15 -0.23	
09 91 23 00-0314	SF		Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 2 Coats Alkyd Or Latex Paint, Brush/Roller Work..... <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	2.37 -0.12 -0.24 -0.36	
<b>09 91 23 00-0315</b>			<b>Paint Exposed Metal Lockers</b> (09 91 23 00-0310)		
09 91 23 00-0316	SF		Paint Exposed Metal Locker, 1 Coat Primer, Brush/Roller Work..... <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.09 -0.05 -0.11 -0.16	
09 91 23 00-0317	SF		Paint Exposed Metal Locker, 1 Coat Alkyd Enamel, Brush/Roller Work..... <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.12 -0.06 -0.11 -0.17	
09 91 23 00-0318	SF		Paint Exposed Metal Locker, 2 Coats Alkyd Enamel, Brush/Roller Work..... <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	2.05 -0.10 -0.21 -0.31	
<b>09 91 23 00-0319</b>			<b>Paint Interior Stairs</b> (09 91 23)		
<b>09 91 23 00-0320</b>			<b>Paint Interior Concrete Stairs</b> (09 91 23 00-0319) Note: Includes the riser and tread.		
09 91 23 00-0321	RSR		Paint Interior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	15.37	
09 91 23 00-0322	RSR		Paint Interior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	15.37	
09 91 23 00-0323	RSR		Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work..... Note: Excludes riser.	12.10	
09 91 23 00-0324	RSR		Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work..... Note: Excludes riser.	24.12	
09 91 23 00-0325	RSR		Paint Interior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	30.74	
<b>09 91 23 00-0326</b>			<b>Paint Interior Metal Stairs</b> (09 91 23 00-0319) Note: Includes the riser and tread.		
09 91 23 00-0327	RSR		Paint Interior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	8.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0328	RSR	Paint Interior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	7.98	
09 91 23 00-0329	RSR	Paint Interior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work .....	15.95	
09 91 23 00-0330	<b>Paint Interior Wood Stairs</b> <small>(09 91 23 00-0319)</small>			
Note: Includes the riser and tread.				
09 91 23 00-0331	RSR	Paint Interior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	7.88	
09 91 23 00-0332	RSR	Paint Interior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work .....	7.88	
09 91 23 00-0333	RSR	Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work.....	8.34	
Note: Excludes riser.				
09 91 23 00-0334	RSR	Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work .....	20.36	
Note: Excludes riser.				
09 91 23 00-0335	RSR	Paint Interior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	15.76	
09 91 23 00-0336	<b>Paint Interior Stair Nosing</b> <small>(09 91 23 00-0319)</small>			
09 91 23 00-0337	LF	Paint Interior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work .....	1.34	
09 91 23 00-0338	<b>Paint Interior Trim</b> <small>(09 91 23)</small>			
09 91 23 00-0339	<b>Paint Interior Metal Trim</b> <small>(09 91 23 00-0338)</small>			
09 91 23 00-0340	SF	Paint Interior Exposed Metal Trim, 1 Coat Primer, Brush Work .....	1.11	
For Work >15' To 20' Above Floor, Add			0.15	
Note: Applied only to work area above 15' to 20'.				
For Work >20' To 30' Above Floor, Add			0.25	
Note: Applied only to work area above 20' to 30'.				
For Work >30' To 40' Above Floor, Add			0.39	
Note: Applied only to work area above 30' to 40'.				
For Work >40' Above Floor, Add			0.54	
Note: Applied only to work area above 40'.				
09 91 23 00-0341	SF	Paint Interior Exposed Metal Trim, 1 Coat Paint, Brush Work.....	1.11	
For Work >15' To 20' Above Floor, Add			0.15	
Note: Applied only to work area above 15' to 20'.				
For Work >20' To 30' Above Floor, Add			0.25	
Note: Applied only to work area above 20' to 30'.				
For Work >30' To 40' Above Floor, Add			0.39	
Note: Applied only to work area above 30' to 40'.				
For Work >40' Above Floor, Add			0.54	
Note: Applied only to work area above 40'.				
09 91 23 00-0342	SF	Paint Interior Exposed Metal Trim, 2 Coats Paint, Brush Work.....	1.99	
For Work >15' To 20' Above Floor, Add			0.26	
Note: Applied only to work area above 15' to 20'.				
For Work >20' To 30' Above Floor, Add			0.43	
Note: Applied only to work area above 20' to 30'.				
For Work >30' To 40' Above Floor, Add			0.69	
Note: Applied only to work area above 30' to 40'.				
For Work >40' Above Floor, Add			0.95	
Note: Applied only to work area above 40'.				
09 91 23 00-0343	SF	Paint Interior Metal Trim, 1 Coat Primer, Brush/Roller Work.....	0.92	
For Work >15' To 20' Above Floor, Add			0.12	
Note: Applied only to work area above 15' to 20'.				
For Work >20' To 30' Above Floor, Add			0.20	
Note: Applied only to work area above 20' to 30'.				
For Work >30' To 40' Above Floor, Add			0.32	
Note: Applied only to work area above 30' to 40'.				
For Work >40' Above Floor, Add			0.43	
Note: Applied only to work area above 40'.				
09 91 23 00-0344	SF	Paint Interior Metal Trim, 1 Coat Paint, Brush/Roller Work .....	0.92	
For Work >15' To 20' Above Floor, Add			0.12	
Note: Applied only to work area above 15' to 20'.				
For Work >20' To 30' Above Floor, Add			0.20	
Note: Applied only to work area above 20' to 30'.				
For Work >30' To 40' Above Floor, Add			0.32	
Note: Applied only to work area above 30' to 40'.				
For Work >40' Above Floor, Add			0.43	
Note: Applied only to work area above 40'.				
09 91 23 00-0345	SF	Paint Interior Metal Trim, 2 Coats Paint, Brush/Roller Work .....	1.64	
For Work >15' To 20' Above Floor, Add			0.21	
Note: Applied only to work area above 15' to 20'.				
For Work >20' To 30' Above Floor, Add			0.35	
Note: Applied only to work area above 20' to 30'.				
For Work >30' To 40' Above Floor, Add			0.55	
Note: Applied only to work area above 30' to 40'.				
For Work >40' Above Floor, Add			0.76	
Note: Applied only to work area above 40'.				
09 91 23 00-0346	<b>Paint Interior Wood Trim</b> <small>(09 91 23 00-0338)</small>			
09 91 23 00-0347	LF	1 Coat Primer, Brush Work, Paint Interior Wood Trim To 6" Wide .....	0.67	
For Work >15' To 20' Above Floor, Add			0.09	
Note: Applied only to work area above 15' to 20'.				
For Work >20' To 30' Above Floor, Add			0.16	
Note: Applied only to work area above 20' to 30'.				
For Work >30' To 40' Above Floor, Add			0.25	
Note: Applied only to work area above 30' to 40'.				
For Work >40' Above Floor, Add			0.34	
Note: Applied only to work area above 40'.				
For Oil Based Paint, Add			0.04	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 23 00-0348	LF	1 Coat Paint, Brush Work, Paint Interior Wood Trim To 6" Wide .....	0.74	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.17	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.28	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.38	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Oil Based Paint, Add</i>	0.04	
09 91 23 00-0349	LF	2 Coats Paint, Paint Interior Wood Trim to 6" Wide .....	1.56	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.22	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.37	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.59	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.81	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Oil Based Paint, Add</i>	0.08	
09 91 23 00-0350	SF	1 Coat Primer, Brush Work, Paint Interior Wood Trim.....	2.06	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.28	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.46	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.74	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	1.02	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Oil Based Paint, Add</i>	0.11	
09 91 23 00-0351	SF	1 Coat Paint, Brush Work, Paint Interior Wood Trim.....	2.28	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.31	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.51	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.82	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	1.13	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Oil Based Paint, Add</i>	0.13	
09 91 23 00-0352	SF	2 Coats Paint, Brush Work, Paint Interior Wood Trim .....	4.12	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.55	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.92	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	1.46	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	2.01	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Oil Based Paint, Add</i>	0.23	
09 91 23 00-0353	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Trim .....	1.68	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.22	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.37	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.59	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.81	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Oil Based Paint, Add</i>	0.09	
09 91 23 00-0354	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Trim.....	1.87	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.25	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.41	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.66	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.90	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Oil Based Paint, Add</i>	0.11	
09 91 23 00-0355	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Trim.....	3.37	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.44	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.73	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	1.16	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	1.60	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Oil Based Paint, Add</i>	0.19	
09 91 23 00-0356		<b>Paint Additives</b> (09 91 23)		
09 91 23 00-0357	SF	Mildewcide/Mold Killing Paint Additive Per Each Coat.....	0.02	
09 91 23 00-0358	SF	Class "B" Fire Rating, Fire Resistant Paint Additive.....	0.05	
		<i>For Class "A" Fire Rating, Add</i>	0.05	
09 91 23 00-0359		<b>Hand Painting Letters/Numbers</b> (09 91 23)		
		<i>Note: Painting on walls, floors, poles, signs, etc.</i>		
09 91 23 00-0360	EA	Up To 1" High, Hand Paint, Per Letter/Number.....	2.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0361	EA	1"	To 2" High, Hand Paint, Per Letter/Number.....	2.43	
09 91 23 00-0362	EA	2"	To 3" High, Hand Paint, Per Letter/Number.....	3.69	
09 91 23 00-0363	EA	3"	To 4" High, Hand Paint, Per Letter/Number.....	4.52	
09 91 23 00-0364	EA	4"	To 6" High, Hand Paint, Per Letter/Number.....	6.24	
09 91 23 00-0365	EA	6"	To 12" High, Hand Paint, Per Letter/Number.....	7.91	
09 91 23 00-0366	EA		Over 12" High, Hand Paint, Per Letter/Number.....	9.27	

**09 91 23 00-0367 Glove/Mitt Application (09 91 23)**

**09 91 23 00-0368 Conduit/Pipe (09 91 23 00-0367)**

09 91 23 00-0369	CSF	Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt .....		39.50	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	5.60	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	9.33	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	14.93	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	20.53	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0370	CSF	Metal Primer Conduit Or Pipe With Glove/Mitt .....		62.35	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	6.72	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	11.20	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	17.92	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	24.63	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0371	CSF	Enamel, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt .....		48.67	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	4.93	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	8.21	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	13.14	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	18.07	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0372	CSF	Enamel, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt.....		39.45	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	3.70	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	6.16	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	9.86	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	13.55	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0373	CSF	Epoxy Coating, First Coat Conduit Or Pipe With Glove/Mitt.....		73.05	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	5.60	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	9.33	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	14.93	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	20.53	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0374	CSF	Epoxy Coating, Second Coat Conduit Or Pipe With Glove/Mitt .....		67.09	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	4.93	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	8.21	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	13.14	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	18.07	
			<i>Note: Applied only to work area above 40'.</i>		

**09 91 23 00-0375 Ductwork (09 91 23 00-0367)**

09 91 23 00-0376	CSF	Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt .....		39.50	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	5.60	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	9.33	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	14.93	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	20.53	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0377	CSF	Metal Primer Ductwork With Glove/Mitt.....		54.78	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	5.60	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	9.33	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	14.93	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	20.53	
			<i>Note: Applied only to work area above 40'.</i>		

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0378	CSF		Enamel, Oil Base Paint Ductwork With Glove/Mitt	44.22	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	4.48	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	7.47	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	11.94	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	16.42	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0379	CSF		Epoxy Coating, First Coat Ductwork With Glove/Mitt	70.48	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	5.60	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	9.33	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	14.93	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	20.53	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0380	CSF		Epoxy Coating, Second Coat Ductwork With Glove/Mitt	60.94	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	4.48	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	7.47	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	11.94	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	16.42	
			<i>Note: Applied only to work area above 40'.</i>		
<b>09 91 23 00-0381</b>			<b>Paint Interior Miscellaneous Metal Surfaces <small>(09 91 23)</small></b>		
09 91 23 00-0382	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	0.68	
			<i>For Electrostatic Painting, Add</i>	0.09	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.43	
			<i>For &gt;100 To 250, Add</i>	0.21	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10	
			<i>For &gt;20,000, Deduct</i>	-0.14	
09 91 23 00-0383	SF		1 Coat Alkyd Enamel, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	0.82	
			<i>For Electrostatic Painting, Add</i>	0.10	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.28	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.54	
			<i>For &gt;100 To 250, Add</i>	0.25	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
			<i>For &gt;20,000, Deduct</i>	-0.16	
09 91 23 00-0384	SF		2 Coats Alkyd Enamel, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	1.42	
			<i>For Electrostatic Painting, Add</i>	0.17	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.49	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.67	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.95	
			<i>For &gt;100 To 250, Add</i>	0.45	
			<i>For &gt;250 To 500, Add</i>	0.19	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.14	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.21	
			<i>For &gt;20,000, Deduct</i>	-0.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0385 SF 1 Coat Primer, Sprayed, Paint Interior Miscellaneous Metal Surfaces.....	0.92	
For Electrostatic Painting, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
For Backroll, Add	0.12	
09 91 23 00-0386 SF 1 Coat Alkyd, Sprayed, Paint Interior Miscellaneous Metal Surfaces.....	0.92	
For Electrostatic Painting, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
For Backroll, Add	0.12	
09 91 23 00-0387 SF 2 Coats Alkyd, Sprayed, Paint Interior Miscellaneous Metal Surfaces.....	1.40	
For Electrostatic Painting, Add	0.17	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.47	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.65	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.92	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
For Backroll, Add	0.19	
09 91 23 00-0388 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Miscellaneous Exposed Metal.....	0.14	
For Electrostatic Painting, Add	0.02	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.03	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.05	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.07	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.09	
For >100 To 250, Add	0.04	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	

**09 91 33 Painting Materials (09 91)**

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001 Primer (09 91 33)	
09 91 33 00-0002 GAL Alkyd Primer/Sealer, Interior, 500 SF Per Gallon.....	33.25
09 91 33 00-0003 GAL Alkyd Wood Primer, Exterior, 400 SF Per Gallon.....	26.48
09 91 33 00-0004 GAL Prime Coat Oil Wood Primer, 310 SF Per Gallon.....	33.58
09 91 33 00-0005 GAL Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon.....	76.08
09 91 33 00-0006 EA Cement Base Primer, 25 LB Sack.....	27.70
09 91 33 00-0007 GAL Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon.....	42.70
09 91 33 00-0008 GAL Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon.....	34.27
09 91 33 00-0009 GAL Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon.....	26.48
09 91 33 00-0010 GAL Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon.....	24.06
09 91 33 00-0011 GAL Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon.....	42.41
09 91 33 00-0012 GAL Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon.....	35.31
09 91 33 00-0013 GAL Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon.....	35.31
09 91 33 00-0014 GAL Latex Wood Primer, Exterior, 300 SF Per Gallon.....	39.81
09 91 33 00-0015 GAL Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon.....	25.97

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon.....	56.90	
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon.....	27.70	
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon.....	22.16	
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon.....	57.30	
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base.....	35.73	
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon.....	40.31	

**09 91 33 00-0022 Paint (09 91 33)**

09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon.....	19.39	
09 91 33 00-0024	GAL	Acrylic Urethane Sealer.....	96.13	
09 91 33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type..... Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.	10.39	
09 91 33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon.....	60.07	
09 91 33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon.....	31.50	
09 91 33 00-0028	GAL	Tar Emulsion, Driveway Coating, 120 SF Per Gallon.....	10.39	
09 91 33 00-0029	GAL	Acrylic Latex, Driveway Coating, 250 SF Per Gallon.....	15.75	
09 91 33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon.....	31.85	
09 91 33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon.....	42.41	
09 91 33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon.....	34.62	
09 91 33 00-0033	GAL	Exterior, Flat, Oil Base.....	31.74	
09 91 33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon.....	30.12	
09 91 33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon.....	35.49	
09 91 33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon.....	31.50	
09 91 33 00-0037	GAL	Exterior, Water Base, Latex Gloss Enamel.....	44.85	
09 91 33 00-0038	GAL	Cold Galvanizing Paint.....	243.43	
09 91 33 00-0039	GAL	High Heat Paint.....	80.56	
09 91 33 00-0040	GAL	Heat Resistant Paint.....	53.70	
09 91 33 00-0041	GAL	Zinc Chromate Paint.....	48.59	
09 91 33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart.....	19.18	
09 91 33 00-0043	GAL	Rust Inhibitor, Ferrous Metal.....	53.70	
09 91 33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon.....	31.50	
09 91 33 00-0045	GAL	Alkyd Latex, Black.....	36.23	
09 91 33 00-0046	GAL	Alkyd Latex, White.....	36.23	
09 91 33 00-0047	GAL	Alkyd Latex, Colors.....	43.69	
09 91 33 00-0048	QT	Wrought Iron Paint, Black.....	49.02	
09 91 33 00-0049	GAL	Vinyl Paint.....	52.97	
09 91 33 00-0050	GAL	Silicone Alkyd.....	64.39	
09 91 33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy.....	65.43	
09 91 33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy.....	82.05	
09 91 33 00-0053	GAL	Chlorinated Rubber.....	60.24	
09 91 33 00-0054	GAL	Polyamide Epoxy Sealer.....	62.32	
09 91 33 00-0055	GAL	Coal Tar Epoxy.....	44.66	
09 91 33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon.....	55.74	
09 91 33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base.....	72.70	
09 91 33 00-0058	GAL	Swimming Pool Rubber Base.....	49.85	
09 91 33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon.....	31.68	
09 91 33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon.....	35.49	
09 91 33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon.....	64.91	
09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon.....	21.98	
09 91 33 00-0063	GAL	Linseed Oil.....	19.21	
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon.....	31.50	
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon.....	35.49	
09 91 33 00-0066	GAL	Texture Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon.....	32.46	
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish.....	26.08	

**09 91 33 00-0068 Stain, Varnish (09 91 33)**

09 91 33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon.....	18.00	
09 91 33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon.....	33.58	
09 91 33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon.....	29.95	
09 91 33 00-0072	GAL	Varnish, Clear.....	23.62	
09 91 33 00-0073	GAL	Penetrating Water-Repellent Stain.....	17.15	
09 91 33 00-0074	GAL	Redwood Hue Or Clear Stain.....	15.33	
09 91 33 00-0075	GAL	Polyurethane.....	26.92	
09 91 33 00-0076	GAL	Lacquer, Semi-Gloss.....	31.60	
09 91 33 00-0077	GAL	Shellac, Clear.....	41.45	
09 91 33 00-0078	GAL	Acetone.....	13.68	
09 91 33 00-0079	GAL	Paint Thinner.....	3.38	
09 91 33 00-0080	GAL	Shellac Or Lacquer Thinner.....	13.85	
09 91 33 00-0081	GAL	Turpentine.....	19.04	
09 91 33 00-0082	GAL	Wood Filler Paste.....	32.54	
09 91 33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon.....	25.97	
09 91 33 00-0084	GAL	Waterbased Alkyd Urethane (Sherwin Williams B53W01153).....	71.43	

**09 91 43 Surface Preparation (09 91)**

See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.

**09 91 43 00-0001 Protection Of Surfaces (09 91 43)**

09 91 43 00-0002	SF	Drop Cloths..... Note: Remove after use.	0.35	
09 91 43 00-0003	LF	Painter Masking Tape..... Note: Remove after use.	0.23	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**09 93 Staining and Transparent Finishing** (09 90)  
 Note: Includes light sanding or screening between coats.

**09 93 13 Exterior Staining and Finishing** (09 93)

**09 93 13 53 Exterior Finishing** (09 93 13)

**09 93 13 53-0001 Stain Sealer** (09 93 13 53)

Note: Measured by surface area of wall or ceiling.

09 93 13 53-0002	SF Stain Sealer, Brush Work.....	0.81	
	<i>For Ceiling Work, Add</i>	0.11	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.04	
	<i>For &gt;20,000, Deduct</i>	-0.07	
09 93 13 53-0003	SF Stain Sealer, Brush/Roller Work .....	0.65	
	<i>For Ceiling Work, Add</i>	0.09	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.04	
	<i>For &gt;20,000, Deduct</i>	-0.05	
09 93 13 53-0004	SF Stain Sealer, Sprayed .....	0.25	
	<i>For Ceiling Work, Add</i>	0.03	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.01	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.02	
	<i>For &gt;20,000, Deduct</i>	-0.02	

**09 93 23 Interior Staining and Finishing** (09 93)

Note: VOC compliant in all regulated areas, review specifications for levels.

**09 93 23 13 Interior Staining** (09 93 23)

**09 93 23 13-0001 Stain Wood Trim** (09 93 23 13)

09 93 23 13-0002	LF Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off.....	0.98	
	<i>For Up To 100, Add</i>	0.71	
	<i>For &gt;100 To 250, Add</i>	0.33	
	<i>For &gt;250 To 500, Add</i>	0.14	
	<i>For &gt;4,000, Deduct</i>	-0.05	
09 93 23 13-0003	SF Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off.....	1.45	
	<i>For Up To 100, Add</i>	1.04	
	<i>For &gt;100 To 250, Add</i>	0.49	
	<i>For &gt;250 To 500, Add</i>	0.21	
	<i>For &gt;4,000, Deduct</i>	-0.07	

**09 93 23 13-0004 Stain Wood Floor** (09 93 23 13)

09 93 23 13-0005	SF Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work.....	0.44	
	<i>For Up To 100, Add</i>	0.28	
	<i>For &gt;100 To 250, Add</i>	0.13	
	<i>For &gt;250 To 500, Add</i>	0.06	
	<i>For &gt;4,000, Deduct</i>	-0.02	
09 93 23 13-0006	SF Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work.....	0.32	
	<i>For Up To 100, Add</i>	0.19	
	<i>For &gt;100 To 250, Add</i>	0.09	
	<i>For &gt;250 To 500, Add</i>	0.04	
	<i>For &gt;4,000, Deduct</i>	-0.02	

**09 93 23 13-0007 Stain Wood Door And Window** (09 93 23 13)

09 93 23 13-0008	EA Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face) .....	47.49	
	<i>For Up To 4, Add</i>	34.90	
	<i>For &gt;4 To 10, Add</i>	16.32	
	<i>For &gt;10 To 20, Add</i>	7.00	
	<i>For &gt;160, Deduct</i>	-2.37	
09 93 23 13-0009	EA Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face).....	33.48	
	<i>For Up To 4, Add</i>	24.05	
	<i>For &gt;4 To 10, Add</i>	11.28	
	<i>For &gt;10 To 20, Add</i>	4.85	
	<i>For &gt;160, Deduct</i>	-1.67	

**09 93 23 13-0010 Stain Wood Cabinet** (09 93 23 13)

09 93 23 13-0011	SF Stain Cabinet, 1 Coat Stain With Brush And Wipe.....	1.18	
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**09 93 23 53 Interior Finishing** (09 93 23)

**09 93 23 53-0001 Concrete Finishes** (09 93 23 53)

09 93 23 53-0002	SF Finish Concrete Floor, 1 Coat Polyurethane .....	0.66	
	<i>For Up To 100, Add</i>	0.42	
	<i>For &gt;100 To 250, Add</i>	0.20	
	<i>For &gt;250 To 500, Add</i>	0.09	
	<i>For &gt;4,000, Deduct</i>	-0.03	

**09 93 23 53-0003 Wood Trim Finishes** (09 93 23 53)

**09 Finishes**

**09 90 Painting and Coating**

**09 93 Staining and Transparent Finishing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0004	SF		Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane .....	1.17	
			<i>For Up To 100, Add</i>	0.80	
			<i>For &gt;100 To 250, Add</i>	0.38	
			<i>For &gt;250 To 500, Add</i>	0.16	
			<i>For &gt;4,000, Deduct</i>	-0.06	
09 93 23 53-0005	SF		Finish Wood Trim, 1 Coat Varnish Or Polyurethane .....	0.78	
			<i>For Up To 100, Add</i>	0.55	
			<i>For &gt;100 To 250, Add</i>	0.26	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;4,000, Deduct</i>	-0.04	
<b>09 93 23 53-0006</b>			<b>Wood Floor Finishes (09 93 23 53)</b>		
09 93 23 53-0007	SF		Refinish Wood Floor, 2 Coats Polyurethane .....	2.88	
			Note: Includes sanding existing floor.		
			<i>For Up To 100, Add</i>	2.08	
			<i>For &gt;100 To 250, Add</i>	0.98	
			<i>For &gt;250 To 500, Add</i>	0.42	
			<i>For &gt;4,000, Deduct</i>	-0.14	
09 93 23 53-0008	SF		Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work .....	0.59	
			Note: Includes screening between coats.		
			<i>For Up To 100, Add</i>	0.40	
			<i>For &gt;100 To 250, Add</i>	0.19	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;4,000, Deduct</i>	-0.03	
09 93 23 53-0009	SF		Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane .....	3.27	
			Note: Includes sanding existing floor.		
			<i>For Up To 100, Add</i>	2.34	
			<i>For &gt;100 To 250, Add</i>	1.10	
			<i>For &gt;250 To 500, Add</i>	0.47	
			<i>For &gt;4,000, Deduct</i>	-0.16	
<b>09 93 23 53-0010</b>			<b>Wood Door And Window Finishes (09 93 23 53)</b>		
			See CSI section 08 14 16 00-0627 for factory finish.		
09 93 23 53-0011	EA		Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face).....	34.28	
			<i>For Up To 4, Add</i>	25.14	
			<i>For &gt;4 To 10, Add</i>	11.76	
			<i>For &gt;10 To 20, Add</i>	5.05	
			<i>For &gt;160, Deduct</i>	-1.71	
09 93 23 53-0012	EA		Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face).....	103.41	
			<i>For Up To 4, Add</i>	74.95	
			<i>For &gt;4 To 10, Add</i>	35.11	
			<i>For &gt;10 To 20, Add</i>	15.08	
			<i>For &gt;160, Deduct</i>	-5.17	
<b>09 93 23 53-0013</b>			<b>Cabinet Finishes (09 93 23 53)</b>		
09 93 23 53-0014	SF		Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane.....	1.18	
<b>09 93 23 53-0015</b>			<b>Gym, Stage And Dance Floor Finishes (09 93 23 53)</b>		
09 93 23 53-0016	SF		Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor .....	1.45	
			Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.		
09 93 23 53-0017	SF		Finish New Elementary School Wood Gym, Stage Or Dance Floor .....	3.43	
			Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
			<i>For Stage Or Dance Floors, Deduct</i>	-0.07	
09 93 23 53-0018	SF		Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor.....	3.50	
			Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
			<i>For Stage Or Dance Floors, Deduct</i>	-0.07	
09 93 23 53-0019	SF		Finish New High School Wood Gym, Stage Or Dance Floor .....	3.57	
			Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
			<i>For Stage Or Dance Floors, Deduct</i>	-0.07	
09 93 23 53-0020	SF		Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor.....	3.43	
			Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
			<i>For Stage Or Dance Floors, Deduct</i>	-0.07	
09 93 23 53-0021	SF		Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor.....	3.50	
			Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
			<i>For Stage Or Dance Floors, Deduct</i>	-0.07	
09 93 23 53-0022	SF		Refinish Existing High School Wood Gym, Stage Or Dance Floor.....	3.57	
			Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
			<i>For Stage Or Dance Floors, Deduct</i>	-0.07	
09 93 23 53-0023	LF		Paint Game Lines, 2 Coats Paint, 1 Coat Urethane Finish .....	0.62	
09 93 23 53-0024	SF		Paint Solid Court Area, 2 Coats Paint, 1 Coat Urethane Finish .....	1.55	

**09 96 High-Performance Coatings (09 90)**

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**09 96 23 Graffiti-Resistant Coatings (09 96)**

**09 96 23 00-0001 Anti-Graffiti Coating (09 96 23)**

09 96 23 00-0002	SF Sacrificial Anti-Graffiti Coating, Per Coat .....	1.22	
	For Up To 100, Add	0.75	
	For >100 To 250, Add	0.36	
	For >250 To 500, Add	0.16	
09 96 23 00-0003	SF Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat.....	1.29	
	For Up To 100, Add	0.76	
	For >100 To 250, Add	0.36	
	For >250 To 500, Add	0.16	

**09 96 53 Elastomeric Coatings (09 96)**

**09 96 53 00-0001 Elastomeric (09 96 53)**

Note: Per coat.			
09 96 53 00-0002	SF 1 Coat, 5.3 To 8 Wet Mills, Brush Work, Elastomeric Primer Applied To Walls And Floors.....	0.73	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.34	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.48	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	
09 96 53 00-0003	SF 1 Coat, 5.3 To 8 Wet Mills, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors .....	0.62	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.13	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.20	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.28	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.40	
	For >100 To 250, Add	0.19	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
09 96 53 00-0004	SF 1 Coat, 5.3 To 8 Wet Mills, Sprayed, Elastomeric Primer Applied To Walls And Floors .....	0.51	
	For Work >15' To 20' Above Floor, Add	0.05	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.09	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.14	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.20	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.29	
	For >100 To 250, Add	0.14	
	For >250 To 500, Add	0.06	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 20,000, Deduct	-0.08	
	For >20,000, Deduct	-0.10	
09 96 53 00-0005	SF 1 Coat, 13 To 16 Wet Mills, Brush Work, Elastomeric Paint Applied To Walls And Floors .....	1.43	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.28	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.39	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.64	
	For >100 To 250, Add	0.32	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.29	

**09 Finishes**

**09 90 Painting and Coating**

**09 96 High-Performance Coatings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 96 53 00-0006	SF 1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors.....	1.32	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.33	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.56	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.26	
09 96 53 00-0007	SF 1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Walls And Floors.....	1.40	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.17	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.24	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.47	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.28	
09 96 53 00-0008	SF 1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead.....	0.82	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.28	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.39	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 96 53 00-0009	SF 1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead.....	0.70	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.46	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.14	
09 96 53 00-0010	SF 1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead.....	0.57	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.17	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.23	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.34	
	For >100 To 250, Add	0.16	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 96 53 00-0011	SF	1 Coat, 13 To 16 Wet Mills, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead .....	1.55		
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.21		
		<i>Note: Applied only to work area above 20'.</i>			
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.33		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work &gt;40' Above Floor, Add</i>	0.46		
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>	0.73		
		<i>For &gt;100 To 250, Add</i>	0.36		
		<i>For &gt;250 To 500, Add</i>	0.16		
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08		
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.16		
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.23		
		<i>For &gt;20,000, Deduct</i>	-0.31		
09 96 53 00-0012	SF	1 Coat, 13 To 16 Wet Mills, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead .....	1.41		
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.17		
		<i>Note: Applied only to work area above 20'.</i>			
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.28		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work &gt;40' Above Floor, Add</i>	0.38		
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>	0.63		
		<i>For &gt;100 To 250, Add</i>	0.31		
		<i>For &gt;250 To 500, Add</i>	0.14		
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07		
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.14		
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.21		
		<i>For &gt;20,000, Deduct</i>	-0.28		
09 96 53 00-0013	SF	1 Coat, 13 To 16 Wet Mills, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead .....	1.47		
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.13		
		<i>Note: Applied only to work area above 20'.</i>			
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.20		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work &gt;40' Above Floor, Add</i>	0.28		
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>	0.52		
		<i>For &gt;100 To 250, Add</i>	0.27		
		<i>For &gt;250 To 500, Add</i>	0.12		
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07		
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15		
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.22		
		<i>For &gt;20,000, Deduct</i>	-0.29		

**09 96 56 Epoxy Coatings** (09 96)

09 96 56 00-0001		High Build Epoxy <small>(09 96 56)</small>			
09 96 56 00-0002	SF	50 Mil, High Build Epoxy .....	2.64		
09 96 56 00-0003		Laminated Epoxy With Fiberglass <small>(09 96 56)</small>			
09 96 56 00-0004	SF	Laminated Epoxy With Fiberglass .....	4.94		

**09 96 66 Aggregate Wall Coatings** (09 96)

09 96 66 00-0001		Troweled On <small>(09 96 66)</small>			
09 96 66 00-0002	SF	Exposed Aggregate - 1/16" To 1/4" - Troweled On .....	3.87		
09 96 66 00-0003	SF	Exposed Aggregate - 1/2" To 5/8" Troweled On .....	6.93		
09 96 66 00-0004	SF	Exposed Aggregate - 1" Troweled On .....	10.38		
09 96 66 00-0005		Sprayed On <small>(09 96 66)</small>			
09 96 66 00-0006	SF	Exposed Aggregate - 1/8" - Sprayed On .....	3.16		

**09 97 Special Coatings** (09 90)

**09 97 13 Steel Coatings** (09 97)

**09 97 13 23 Exterior Steel Coatings** (09 97 13)

Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.

09 97 13 23-0001		Surface Preparation For Structural Steel <small>(09 97 13 23)</small>			
		Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.			
09 97 13 23-0002		SSPC SP2 Hand Tool Cleaning Surface Preparation For Structural Steel <small>(09 97 13 23-0001)</small>			
		Note: Hand Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before hand tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 2 or ISO 8501-1 St 3.			

**09 Finishes****09 90 Painting and Coating****09 97 Special Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0003	SF		Type 1 Structural Steel SP2 Hand Tool Cleaning Surface Preparation.....	1.31	
			<i>For Up To 100, Add</i>	0.98	
			<i>For &gt;100 To 250, Add</i>	0.46	
			<i>For &gt;250 To 500, Add</i>	0.20	
09 97 13 23-0004	SF		Type 2 Structural Steel SP2 Hand Tool Cleaning Surface Preparation.....	1.26	
			<i>For Up To 100, Add</i>	0.95	
			<i>For &gt;100 To 250, Add</i>	0.44	
			<i>For &gt;250 To 500, Add</i>	0.19	
09 97 13 23-0005	SF		Type 3 Structural Steel SP2 Hand Tool Cleaning Surface Preparation.....	1.26	
			<i>For Up To 100, Add</i>	0.95	
			<i>For &gt;100 To 250, Add</i>	0.44	
			<i>For &gt;250 To 500, Add</i>	0.19	
09 97 13 23-0006	SF		Up To 14" Diameter Pipe SP2 Hand Tool Cleaning Surface Preparation .....	1.71	
			<i>For Up To 100, Add</i>	1.28	
			<i>For &gt;100 To 250, Add</i>	0.60	
			<i>For &gt;250 To 500, Add</i>	0.26	
<b>09 97 13 23-0007</b>			<b>SSPC SP3 Power Tool Cleaning Surface Preparation For Structural Steel</b> <small>(09 97 13 23-0001)</small>		
			Note: Power Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before power tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 3 or ISO 8501-1 St 3.		
09 97 13 23-0008	SF		Type 1 Structural Steel SP3 Power Tool Cleaning Surface Preparation .....	1.50	
			<i>For Up To 100, Add</i>	1.13	
			<i>For &gt;100 To 250, Add</i>	0.53	
			<i>For &gt;250 To 500, Add</i>	0.23	
09 97 13 23-0009	SF		Type 2 Structural Steel SP3 Power Tool Cleaning Surface Preparation .....	1.43	
			<i>For Up To 100, Add</i>	1.07	
			<i>For &gt;100 To 250, Add</i>	0.50	
			<i>For &gt;250 To 500, Add</i>	0.21	
09 97 13 23-0010	SF		Type 3 Structural Steel SP3 Power Tool Cleaning Surface Preparation .....	1.43	
			<i>For Up To 100, Add</i>	1.07	
			<i>For &gt;100 To 250, Add</i>	0.50	
			<i>For &gt;250 To 500, Add</i>	0.21	
09 97 13 23-0011	SF		Up To 14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation.....	1.94	
			<i>For Up To 100, Add</i>	1.46	
			<i>For &gt;100 To 250, Add</i>	0.68	
			<i>For &gt;250 To 500, Add</i>	0.29	
09 97 13 23-0012	SF		>14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation .....	1.76	
			<i>For Up To 100, Add</i>	1.32	
			<i>For &gt;100 To 250, Add</i>	0.62	
			<i>For &gt;250 To 500, Add</i>	0.26	
<b>09 97 13 23-0013</b>			<b>SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel</b> <small>(09 97 13 23-0001)</small>		
			Note: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust and loose paint. Tightly adherent mill scale, rust and paint may remain on the surface. Mill scale, rust and coating are considered adherent if they cannot be removed by lifting with a dull putty knife after abrasive blast cleaning has been performed. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP11		
09 97 13 23-0014	SF		Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation .....	0.93	
			<i>For Up To 100, Add</i>	0.63	
			<i>For &gt;100 To 250, Add</i>	0.30	
			<i>For &gt;250 To 500, Add</i>	0.13	
09 97 13 23-0015	SF		Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation .....	0.82	
			<i>For Up To 100, Add</i>	0.56	
			<i>For &gt;100 To 250, Add</i>	0.26	
			<i>For &gt;250 To 500, Add</i>	0.11	
09 97 13 23-0016	SF		Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation .....	0.81	
			<i>For Up To 100, Add</i>	0.55	
			<i>For &gt;100 To 250, Add</i>	0.26	
			<i>For &gt;250 To 500, Add</i>	0.11	
09 97 13 23-0017	SF		Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation.....	1.15	
			<i>For Up To 100, Add</i>	0.80	
			<i>For &gt;100 To 250, Add</i>	0.38	
			<i>For &gt;250 To 500, Add</i>	0.16	
<b>09 97 13 23-0018</b>			<b>SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel</b> <small>(09 97 13 23-0001)</small>		
			Note: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 33% of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE 3 or ISO 8501-1 Sa 2.		
09 97 13 23-0019	SF		Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation .....	2.35	
			<i>For Up To 100, Add</i>	1.65	
			<i>For &gt;100 To 250, Add</i>	0.78	
			<i>For &gt;250 To 500, Add</i>	0.33	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0020	SF		Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation .....	2.06	
			<i>For Up To 100, Add</i>	1.43	
			<i>For &gt;100 To 250, Add</i>	0.67	
			<i>For &gt;250 To 500, Add</i>	0.29	
09 97 13 23-0021	SF		Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation .....	1.92	
			<i>For Up To 100, Add</i>	1.33	
			<i>For &gt;100 To 250, Add</i>	0.62	
			<i>For &gt;250 To 500, Add</i>	0.27	
09 97 13 23-0022	SF		Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation .....	2.95	
			<i>For Up To 100, Add</i>	2.09	
			<i>For &gt;100 To 250, Add</i>	0.98	
			<i>For &gt;250 To 500, Add</i>	0.42	
09 97 13 23-0023			<b>SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel</b> <small>(09 97 13 23-0001)</small>		
			Note: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete Instructions, refer to Joint Surface Preparation Standard SSPC-SP5/NACE 1 or ISO 8501-1 Sa 3.		
09 97 13 23-0024	SF		Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation .....	4.59	
			<i>For Up To 100, Add</i>	3.24	
			<i>For &gt;100 To 250, Add</i>	1.52	
			<i>For &gt;250 To 500, Add</i>	0.65	
09 97 13 23-0025	SF		Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation .....	3.92	
			<i>For Up To 100, Add</i>	2.75	
			<i>For &gt;100 To 250, Add</i>	1.29	
			<i>For &gt;250 To 500, Add</i>	0.56	
09 97 13 23-0026	SF		Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation .....	3.61	
			<i>For Up To 100, Add</i>	2.52	
			<i>For &gt;100 To 250, Add</i>	1.19	
			<i>For &gt;250 To 500, Add</i>	0.51	
09 97 13 23-0027	SF		Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation .....	5.51	
			<i>For Up To 100, Add</i>	3.93	
			<i>For &gt;100 To 250, Add</i>	1.85	
			<i>For &gt;250 To 500, Add</i>	0.79	
09 97 13 23-0028			<b>SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel</b> <small>(09 97 13 23-0001)</small>		
			Note: A Near-White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP10/NACE 2 or ISO 8501-1 Sa 2.5.		
09 97 13 23-0029	SF		Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation .....	3.42	
			<i>For Up To 100, Add</i>	2.40	
			<i>For &gt;100 To 250, Add</i>	1.13	
			<i>For &gt;250 To 500, Add</i>	0.49	
09 97 13 23-0030	SF		Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation .....	2.91	
			<i>For Up To 100, Add</i>	2.04	
			<i>For &gt;100 To 250, Add</i>	0.96	
			<i>For &gt;250 To 500, Add</i>	0.41	
09 97 13 23-0031	SF		Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation .....	2.76	
			<i>For Up To 100, Add</i>	1.93	
			<i>For &gt;100 To 250, Add</i>	0.91	
			<i>For &gt;250 To 500, Add</i>	0.39	
09 97 13 23-0032	SF		Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation .....	4.01	
			<i>For Up To 100, Add</i>	2.86	
			<i>For &gt;100 To 250, Add</i>	1.34	
			<i>For &gt;250 To 500, Add</i>	0.58	
09 97 13 23-0033			<b>Protective Coatings For Tanks And Structural Steel</b> <small>(09 97 13 23)</small>		
			Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.		
09 97 13 23-0034			<b>1.5 Mil Prime Coat For Structural Steel</b> <small>(09 97 13 23-0033)</small>		
09 97 13 23-0035	SF		Spray Type 1 Structural Steel 1.5 Mil Prime Coat .....	0.96	
			<i>For Up To 100, Add</i>	0.64	
			<i>For &gt;100 To 250, Add</i>	0.30	
			<i>For &gt;250 To 500, Add</i>	0.13	
09 97 13 23-0036	SF		Spray Type 2 Structural Steel 1.5 Mil Prime Coat .....	0.71	
			<i>For Up To 100, Add</i>	0.47	
			<i>For &gt;100 To 250, Add</i>	0.22	
			<i>For &gt;250 To 500, Add</i>	0.10	
09 97 13 23-0037	SF		Spray Type 3 Structural Steel 1.5 Mil Prime Coat .....	0.63	
			<i>For Up To 100, Add</i>	0.41	
			<i>For &gt;100 To 250, Add</i>	0.19	
			<i>For &gt;250 To 500, Add</i>	0.08	
09 97 13 23-0038	SF		Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat .....	1.15	
			<i>For Up To 100, Add</i>	0.78	
			<i>For &gt;100 To 250, Add</i>	0.37	
			<i>For &gt;250 To 500, Add</i>	0.16	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 97 Special Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0039	SF		Brush Type 1 Structural Steel 1.5 Mil Prime Coat.....	1.25	
			<i>For Up To 100, Add</i>	0.85	
			<i>For &gt;100 To 250, Add</i>	0.40	
			<i>For &gt;250 To 500, Add</i>	0.17	
09 97 13 23-0040	SF		Brush Type 2 Structural Steel 1.5 Mil Prime Coat.....	0.92	
			<i>For Up To 100, Add</i>	0.62	
			<i>For &gt;100 To 250, Add</i>	0.29	
			<i>For &gt;250 To 500, Add</i>	0.13	
09 97 13 23-0041	SF		Brush Type 3 Structural Steel 1.5 Mil Prime Coat.....	0.82	
			<i>For Up To 100, Add</i>	0.55	
			<i>For &gt;100 To 250, Add</i>	0.26	
			<i>For &gt;250 To 500, Add</i>	0.11	
09 97 13 23-0042	SF		Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat.....	1.49	
			<i>For Up To 100, Add</i>	1.04	
			<i>For &gt;100 To 250, Add</i>	0.49	
			<i>For &gt;250 To 500, Add</i>	0.21	
<b>09 97 13 23-0043</b>			<b>1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel</b> <small>(09 97 13 23-0033)</small>		
09 97 13 23-0044	SF		Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	2.83	
			<i>For Up To 100, Add</i>	1.86	
			<i>For &gt;100 To 250, Add</i>	0.88	
			<i>For &gt;250 To 500, Add</i>	0.38	
09 97 13 23-0045	SF		Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	2.04	
			<i>For Up To 100, Add</i>	1.30	
			<i>For &gt;100 To 250, Add</i>	0.62	
			<i>For &gt;250 To 500, Add</i>	0.27	
09 97 13 23-0046	SF		Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	1.89	
			<i>For Up To 100, Add</i>	1.18	
			<i>For &gt;100 To 250, Add</i>	0.56	
			<i>For &gt;250 To 500, Add</i>	0.24	
09 97 13 23-0047	SF		Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	3.43	
			<i>For Up To 100, Add</i>	2.31	
			<i>For &gt;100 To 250, Add</i>	1.09	
			<i>For &gt;250 To 500, Add</i>	0.47	
09 97 13 23-0048	SF		Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	2.12	
			<i>For Up To 100, Add</i>	1.40	
			<i>For &gt;100 To 250, Add</i>	0.66	
			<i>For &gt;250 To 500, Add</i>	0.29	
09 97 13 23-0049	SF		Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.53	
			<i>For Up To 100, Add</i>	0.97	
			<i>For &gt;100 To 250, Add</i>	0.46	
			<i>For &gt;250 To 500, Add</i>	0.20	
09 97 13 23-0050	SF		Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.41	
			<i>For Up To 100, Add</i>	0.88	
			<i>For &gt;100 To 250, Add</i>	0.42	
			<i>For &gt;250 To 500, Add</i>	0.18	
09 97 13 23-0051	SF		Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	2.57	
			<i>For Up To 100, Add</i>	1.73	
			<i>For &gt;100 To 250, Add</i>	0.82	
			<i>For &gt;250 To 500, Add</i>	0.35	
09 97 13 23-0052	SF		Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	3.95	
			<i>For Up To 100, Add</i>	2.70	
			<i>For &gt;100 To 250, Add</i>	1.28	
			<i>For &gt;250 To 500, Add</i>	0.55	
09 97 13 23-0053	SF		Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	2.81	
			<i>For Up To 100, Add</i>	1.87	
			<i>For &gt;100 To 250, Add</i>	0.89	
			<i>For &gt;250 To 500, Add</i>	0.38	
09 97 13 23-0054	SF		Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	2.59	
			<i>For Up To 100, Add</i>	1.71	
			<i>For &gt;100 To 250, Add</i>	0.81	
			<i>For &gt;250 To 500, Add</i>	0.35	
09 97 13 23-0055	SF		Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	4.84	
			<i>For Up To 100, Add</i>	3.37	
			<i>For &gt;100 To 250, Add</i>	1.58	
			<i>For &gt;250 To 500, Add</i>	0.68	
09 97 13 23-0056	SF		Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	2.96	
			<i>For Up To 100, Add</i>	2.03	
			<i>For &gt;100 To 250, Add</i>	0.96	
			<i>For &gt;250 To 500, Add</i>	0.41	
09 97 13 23-0057	SF		Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	2.10	
			<i>For Up To 100, Add</i>	1.40	
			<i>For &gt;100 To 250, Add</i>	0.66	
			<i>For &gt;250 To 500, Add</i>	0.29	
09 97 13 23-0058	SF		Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.94	
			<i>For Up To 100, Add</i>	1.28	
			<i>For &gt;100 To 250, Add</i>	0.61	
			<i>For &gt;250 To 500, Add</i>	0.26	
09 97 13 23-0059	SF		Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	3.63	
			<i>For Up To 100, Add</i>	2.52	
			<i>For &gt;100 To 250, Add</i>	1.19	
			<i>For &gt;250 To 500, Add</i>	0.51	

09 97 13 23-0060 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel (09 97 13 23-0033)

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 97	13 23-0061	SF	Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	2.18	
				For Up To 100, Add	1.45	
				For >100 To 250, Add	0.69	
				For >250 To 500, Add	0.30	
	09 97	13 23-0062	SF	Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	1.78	
				For Up To 100, Add	1.17	
				For >100 To 250, Add	0.55	
				For >250 To 500, Add	0.24	
	09 97	13 23-0063	SF	Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	1.63	
				For Up To 100, Add	1.05	
				For >100 To 250, Add	0.50	
				For >250 To 500, Add	0.22	
	09 97	13 23-0064	SF	Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	2.72	
				For Up To 100, Add	1.85	
				For >100 To 250, Add	0.87	
				For >250 To 500, Add	0.38	
	09 97	13 23-0065	SF	Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.40	
				For Up To 100, Add	0.93	
				For >100 To 250, Add	0.44	
				For >250 To 500, Add	0.19	
	09 97	13 23-0066	SF	Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.14	
				For Up To 100, Add	0.75	
				For >100 To 250, Add	0.35	
				For >250 To 500, Add	0.15	
	09 97	13 23-0067	SF	Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.04	
				For Up To 100, Add	0.67	
				For >100 To 250, Add	0.32	
				For >250 To 500, Add	0.14	
	09 97	13 23-0068	SF	Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.74	
				For Up To 100, Add	1.19	
				For >100 To 250, Add	0.56	
				For >250 To 500, Add	0.24	
	09 97	13 23-0069	SF	Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	2.82	
				For Up To 100, Add	1.93	
				For >100 To 250, Add	0.91	
				For >250 To 500, Add	0.39	
	09 97	13 23-0070	SF	Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	2.28	
				For Up To 100, Add	1.54	
				For >100 To 250, Add	0.73	
				For >250 To 500, Add	0.31	
	09 97	13 23-0071	SF	Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	2.08	
				For Up To 100, Add	1.39	
				For >100 To 250, Add	0.66	
				For >250 To 500, Add	0.28	
	09 97	13 23-0072	SF	Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	3.53	
				For Up To 100, Add	2.46	
				For >100 To 250, Add	1.16	
				For >250 To 500, Add	0.50	
	09 97	13 23-0073	SF	Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.80	
				For Up To 100, Add	1.23	
				For >100 To 250, Add	0.58	
				For >250 To 500, Add	0.25	
	09 97	13 23-0074	SF	Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.47	
				For Up To 100, Add	0.99	
				For >100 To 250, Add	0.47	
				For >250 To 500, Add	0.20	
	09 97	13 23-0075	SF	Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.34	
				For Up To 100, Add	0.90	
				For >100 To 250, Add	0.42	
				For >250 To 500, Add	0.18	
	09 97	13 23-0076	SF	Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	2.26	
				For Up To 100, Add	1.58	
				For >100 To 250, Add	0.74	
				For >250 To 500, Add	0.32	
	09 97	13 23-0077		<b>2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel</b> <small>(09 97 13 23-0033)</small>		
	09 97	13 23-0078	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	3.56	
				For Up To 100, Add	2.15	
				For >100 To 250, Add	1.03	
				For >250 To 500, Add	0.45	
	09 97	13 23-0079	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.58	
				For Up To 100, Add	1.47	
				For >100 To 250, Add	0.71	
				For >250 To 500, Add	0.31	
	09 97	13 23-0080	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.28	
				For Up To 100, Add	1.24	
				For >100 To 250, Add	0.60	
				For >250 To 500, Add	0.26	
	09 97	13 23-0081	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	4.04	
				For Up To 100, Add	2.50	
				For >100 To 250, Add	1.19	
				For >250 To 500, Add	0.52	
	09 97	13 23-0082	SF	Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.49	
				For Up To 100, Add	1.51	
				For >100 To 250, Add	0.72	
				For >250 To 500, Add	0.31	

**09 Finishes**

**09 90 Painting and Coating**

**09 97 Special Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0083	SF		Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.81	
			<i>For Up To 100, Add</i>	1.03	
			<i>For &gt;100 To 250, Add</i>	0.50	
			<i>For &gt;250 To 500, Add</i>	0.22	
09 97 13 23-0084	SF		Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.60	
			<i>For Up To 100, Add</i>	0.87	
			<i>For &gt;100 To 250, Add</i>	0.42	
			<i>For &gt;250 To 500, Add</i>	0.19	
09 97 13 23-0085	SF		Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	2.82	
			<i>For Up To 100, Add</i>	1.74	
			<i>For &gt;100 To 250, Add</i>	0.83	
			<i>For &gt;250 To 500, Add</i>	0.36	
<b>09 97 13 23-0086 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel</b>					
			<small>(09 97 13 23-0033)</small>		
09 97 13 23-0087	SF		Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	3.80	
			<i>For Up To 100, Add</i>	2.19	
			<i>For &gt;100 To 250, Add</i>	1.06	
			<i>For &gt;250 To 500, Add</i>	0.46	
09 97 13 23-0088	SF		Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	2.80	
			<i>For Up To 100, Add</i>	1.50	
			<i>For &gt;100 To 250, Add</i>	0.73	
			<i>For &gt;250 To 500, Add</i>	0.32	
09 97 13 23-0089	SF		Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	2.50	
			<i>For Up To 100, Add</i>	1.28	
			<i>For &gt;100 To 250, Add</i>	0.63	
			<i>For &gt;250 To 500, Add</i>	0.28	
09 97 13 23-0090	SF		Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	4.29	
			<i>For Up To 100, Add</i>	2.53	
			<i>For &gt;100 To 250, Add</i>	1.22	
			<i>For &gt;250 To 500, Add</i>	0.53	
09 97 13 23-0091	SF		Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	3.12	
			<i>For Up To 100, Add</i>	1.79	
			<i>For &gt;100 To 250, Add</i>	0.86	
			<i>For &gt;250 To 500, Add</i>	0.38	
09 97 13 23-0092	SF		Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	2.30	
			<i>For Up To 100, Add</i>	1.23	
			<i>For &gt;100 To 250, Add</i>	0.60	
			<i>For &gt;250 To 500, Add</i>	0.26	
09 97 13 23-0093	SF		Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	2.05	
			<i>For Up To 100, Add</i>	1.05	
			<i>For &gt;100 To 250, Add</i>	0.51	
			<i>For &gt;250 To 500, Add</i>	0.23	
09 97 13 23-0094	SF		Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats.....	3.52	
			<i>For Up To 100, Add</i>	2.08	
			<i>For &gt;100 To 250, Add</i>	1.00	
			<i>For &gt;250 To 500, Add</i>	0.43	
<b>09 97 13 23-0095 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel</b>					
			<small>(09 97 13 23-0033)</small>		
09 97 13 23-0096	SF		Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	7.96	
			<i>For Up To 100, Add</i>	4.70	
			<i>For &gt;100 To 250, Add</i>	2.26	
			<i>For &gt;250 To 500, Add</i>	0.98	
09 97 13 23-0097	SF		Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	6.02	
			<i>For Up To 100, Add</i>	3.38	
			<i>For &gt;100 To 250, Add</i>	1.63	
			<i>For &gt;250 To 500, Add</i>	0.71	
09 97 13 23-0098	SF		Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	5.80	
			<i>For Up To 100, Add</i>	3.21	
			<i>For &gt;100 To 250, Add</i>	1.56	
			<i>For &gt;250 To 500, Add</i>	0.68	
09 97 13 23-0099	SF		Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	9.28	
			<i>For Up To 100, Add</i>	5.66	
			<i>For &gt;100 To 250, Add</i>	2.71	
			<i>For &gt;250 To 500, Add</i>	1.18	
<b>09 97 13 23-0100 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel</b>					
			<small>(09 97 13 23-0033)</small>		
09 97 13 23-0101	SF		Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	4.17	
			<i>For Up To 100, Add</i>	2.29	
			<i>For &gt;100 To 250, Add</i>	1.11	
			<i>For &gt;250 To 500, Add</i>	0.49	
09 97 13 23-0102	SF		Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	3.26	
			<i>For Up To 100, Add</i>	1.61	
			<i>For &gt;100 To 250, Add</i>	0.79	
			<i>For &gt;250 To 500, Add</i>	0.35	
09 97 13 23-0103	SF		Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	3.11	
			<i>For Up To 100, Add</i>	1.50	
			<i>For &gt;100 To 250, Add</i>	0.74	
			<i>For &gt;250 To 500, Add</i>	0.33	
09 97 13 23-0104	SF		Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	4.74	
			<i>For Up To 100, Add</i>	2.69	
			<i>For &gt;100 To 250, Add</i>	1.30	
			<i>For &gt;250 To 500, Add</i>	0.57	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 97	13 23-0105	SF	Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	3.30 1.81 0.88 0.38	
	09 97	13 23-0106	SF	Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	2.58 1.28 0.63 0.28	
	09 97	13 23-0107	SF	Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	2.46 1.19 0.59 0.26	
	09 97	13 23-0108	SF	Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	3.75 2.13 1.03 0.45	
<b>09 97 13 23-0109 Two 8 Mil Coal Tar Epoxy Coats For Structural Steel (09 97 13 23-0033)</b>						
	09 97	13 23-0110	SF	Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	3.56 2.20 1.05 0.46	
	09 97	13 23-0111	SF	Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	2.89 1.74 0.83 0.36	
	09 97	13 23-0112	SF	Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	2.66 1.56 0.75 0.33	
	09 97	13 23-0113	SF	Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	4.42 2.82 1.34 0.58	
<b>09 97 13 23-0114 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel (09 97 13 23-0033)</b>						
	09 97	13 23-0115	SF	Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	3.45 2.23 1.06 0.46	
	09 97	13 23-0116	SF	Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	2.44 1.49 0.71 0.31	
	09 97	13 23-0117	SF	Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	2.07 1.21 0.58 0.25	
	09 97	13 23-0118	SF	Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	3.93 2.56 1.22 0.53	
<b>09 97 13 23-0119 One 3 Mil High Zinc Silicate Coat For Structural Steel (09 97 13 23-0033)</b>						
	09 97	13 23-0120	SF	Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	1.83 0.99 0.48 0.21	
	09 97	13 23-0121	SF	Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	1.32 0.65 0.32 0.14	
	09 97	13 23-0122	SF	Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	1.25 0.60 0.30 0.13	
	09 97	13 23-0123	SF	Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	1.93 1.06 0.51 0.22	
<b>09 97 13 23-0124 Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel (09 97 13 23-0033)</b>						
	09 97	13 23-0125	SF	Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	2.83 1.68 0.81 0.35	

**09 Finishes****09 90 Painting and Coating****09 97 Special Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0126	SF		Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats .....	2.31	
			For Up To 100, Add	1.34	
			For >100 To 250, Add	0.64	
			For >250 To 500, Add	0.28	
09 97 13 23-0127	SF		Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats .....	2.01	
			For Up To 100, Add	1.11	
			For >100 To 250, Add	0.54	
			For >250 To 500, Add	0.24	
09 97 13 23-0128	SF		Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats .....	3.30	
			For Up To 100, Add	2.03	
			For >100 To 250, Add	0.97	
			For >250 To 500, Add	0.42	
<b>09 97 13 24 Steel Water Storage Tank Painting (09 97 13)</b>					
09 97 13 24-0001			Surface Preparation For Tanks (09 97 13 24)		
Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.					
09 97 13 24-0002			SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0003	SF		Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation .....	1.26	
			For Up To 100, Add	0.95	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
09 97 13 24-0004	SF		Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation .....	1.12	
			For Up To 100, Add	0.84	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
09 97 13 24-0005	SF		Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation .....	1.58	
			For Up To 100, Add	1.19	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
09 97 13 24-0006			SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0007	SF		Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation .....	0.78	
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
09 97 13 24-0008	SF		Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation .....	0.62	
			For Up To 100, Add	0.43	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
09 97 13 24-0009	SF		Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation .....	1.08	
			For Up To 100, Add	0.77	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
09 97 13 24-0010			SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0011	SF		Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation .....	1.91	
			For Up To 100, Add	1.32	
			For >100 To 250, Add	0.62	
			For >250 To 500, Add	0.27	
09 97 13 24-0012	SF		Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation .....	1.75	
			For Up To 100, Add	1.20	
			For >100 To 250, Add	0.57	
			For >250 To 500, Add	0.24	
09 97 13 24-0013	SF		Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation .....	2.53	
			For Up To 100, Add	1.79	
			For >100 To 250, Add	0.84	
			For >250 To 500, Add	0.36	
09 97 13 24-0014			SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0015	SF		Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation .....	3.45	
			For Up To 100, Add	2.41	
			For >100 To 250, Add	1.13	
			For >250 To 500, Add	0.49	
09 97 13 24-0016	SF		Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation .....	3.28	
			For Up To 100, Add	2.28	
			For >100 To 250, Add	1.07	
			For >250 To 500, Add	0.46	
09 97 13 24-0017	SF		Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation .....	4.78	
			For Up To 100, Add	3.41	
			For >100 To 250, Add	1.60	
			For >250 To 500, Add	0.69	
09 97 13 24-0018			SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0019	SF		Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation .....	2.75	
			For Up To 100, Add	1.92	
			For >100 To 250, Add	0.91	
			For >250 To 500, Add	0.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0020	SF		Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation.....	2.75	
			<i>For Up To 100, Add</i>	1.92	
			<i>For &gt;100 To 250, Add</i>	0.91	
			<i>For &gt;250 To 500, Add</i>	0.39	
09 97 13 24-0021	SF		Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation.....	4.00	
			<i>For Up To 100, Add</i>	2.86	
			<i>For &gt;100 To 250, Add</i>	1.34	
			<i>For &gt;250 To 500, Add</i>	0.58	
<b>09 97 13 24-0022</b>			<b>Protective Coatings For Tanks</b> <small>(09 97 13 24)</small>		
			Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
<b>09 97 13 24-0023</b>			<b>1.5 Mil Prime Coat For Tanks</b> <small>(09 97 13 24-0022)</small>		
09 97 13 24-0024	SF		Spray Small Vessel/Tank 1.5 Mil Prime Coat.....	0.56	
			<i>For Up To 100, Add</i>	0.35	
			<i>For &gt;100 To 250, Add</i>	0.17	
			<i>For &gt;250 To 500, Add</i>	0.07	
09 97 13 24-0025	SF		Spray Large Vessel/Tank 1.5 Mil Prime Coat.....	0.45	
			<i>For Up To 100, Add</i>	0.27	
			<i>For &gt;100 To 250, Add</i>	0.13	
			<i>For &gt;250 To 500, Add</i>	0.06	
09 97 13 24-0026	SF		Spray Tank Interior 1.5 Mil Prime Coat.....	1.09	
			<i>For Up To 100, Add</i>	0.75	
			<i>For &gt;100 To 250, Add</i>	0.35	
			<i>For &gt;250 To 500, Add</i>	0.15	
09 97 13 24-0027	SF		Brush Small Vessel/Tank 1.5 Mil Prime Coat.....	0.71	
			<i>For Up To 100, Add</i>	0.47	
			<i>For &gt;100 To 250, Add</i>	0.22	
			<i>For &gt;250 To 500, Add</i>	0.10	
09 97 13 24-0028	SF		Brush Large Vessel/Tank 1.5 Mil Prime Coat.....	0.57	
			<i>For Up To 100, Add</i>	0.36	
			<i>For &gt;100 To 250, Add</i>	0.17	
			<i>For &gt;250 To 500, Add</i>	0.07	
09 97 13 24-0029	SF		Brush Tank Interior 1.5 Mil Prime Coat.....	1.41	
			<i>For Up To 100, Add</i>	0.99	
			<i>For &gt;100 To 250, Add</i>	0.47	
			<i>For &gt;250 To 500, Add</i>	0.20	
<b>09 97 13 24-0030</b>			<b>1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks</b> <small>(09 97 13 24-0022)</small>		
09 97 13 24-0031	SF		Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.66	
			<i>For Up To 100, Add</i>	1.02	
			<i>For &gt;100 To 250, Add</i>	0.49	
			<i>For &gt;250 To 500, Add</i>	0.21	
09 97 13 24-0032	SF		Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.27	
			<i>For Up To 100, Add</i>	0.72	
			<i>For &gt;100 To 250, Add</i>	0.35	
			<i>For &gt;250 To 500, Add</i>	0.15	
09 97 13 24-0033	SF		Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	3.08	
			<i>For Up To 100, Add</i>	2.08	
			<i>For &gt;100 To 250, Add</i>	0.98	
			<i>For &gt;250 To 500, Add</i>	0.42	
09 97 13 24-0034	SF		Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.24	
			<i>For Up To 100, Add</i>	0.76	
			<i>For &gt;100 To 250, Add</i>	0.36	
			<i>For &gt;250 To 500, Add</i>	0.16	
09 97 13 24-0035	SF		Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	0.96	
			<i>For Up To 100, Add</i>	0.55	
			<i>For &gt;100 To 250, Add</i>	0.27	
			<i>For &gt;250 To 500, Add</i>	0.12	
09 97 13 24-0036	SF		Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.31	
			<i>For Up To 100, Add</i>	1.56	
			<i>For &gt;100 To 250, Add</i>	0.74	
			<i>For &gt;250 To 500, Add</i>	0.32	
09 97 13 24-0037	SF		Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.25	
			<i>For Up To 100, Add</i>	1.46	
			<i>For &gt;100 To 250, Add</i>	0.69	
			<i>For &gt;250 To 500, Add</i>	0.30	
09 97 13 24-0038	SF		Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.70	
			<i>For Up To 100, Add</i>	1.05	
			<i>For &gt;100 To 250, Add</i>	0.50	
			<i>For &gt;250 To 500, Add</i>	0.22	
09 97 13 24-0039	SF		Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	4.34	
			<i>For Up To 100, Add</i>	3.03	
			<i>For &gt;100 To 250, Add</i>	1.42	
			<i>For &gt;250 To 500, Add</i>	0.61	
09 97 13 24-0040	SF		Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.68	
			<i>For Up To 100, Add</i>	1.09	
			<i>For &gt;100 To 250, Add</i>	0.52	
			<i>For &gt;250 To 500, Add</i>	0.22	
09 97 13 24-0041	SF		Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.27	
			<i>For Up To 100, Add</i>	0.78	
			<i>For &gt;100 To 250, Add</i>	0.37	
			<i>For &gt;250 To 500, Add</i>	0.16	
09 97 13 24-0042	SF		Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	3.25	
			<i>For Up To 100, Add</i>	2.27	
			<i>For &gt;100 To 250, Add</i>	1.07	
			<i>For &gt;250 To 500, Add</i>	0.46	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 97 Special Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 97 13 24-0043	Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks <small>(09 97 13 24-0022)</small>				
09 97 13 24-0044	SF		Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	1.47	
			For Up To 100, Add	0.94	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.19	
09 97 13 24-0045	SF		Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	1.25	
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
09 97 13 24-0046	SF		Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	3.19	
			For Up To 100, Add	2.23	
			For >100 To 250, Add	1.05	
			For >250 To 500, Add	0.45	
09 97 13 24-0047	SF		Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	0.94	
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.12	
09 97 13 24-0048	SF		Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	0.79	
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
09 97 13 24-0049	SF		Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats .....	2.04	
			For Up To 100, Add	1.43	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
09 97 13 24-0050	SF		Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	1.87	
			For Up To 100, Add	1.24	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.25	
09 97 13 24-0051	SF		Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	1.57	
			For Up To 100, Add	1.02	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	
09 97 13 24-0052	SF		Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	4.46	
			For Up To 100, Add	3.24	
			For >100 To 250, Add	1.52	
			For >250 To 500, Add	0.65	
09 97 13 24-0053	SF		Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.20	
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
09 97 13 24-0054	SF		Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.01	
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
09 97 13 24-0055	SF		Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats .....	2.91	
			For Up To 100, Add	2.08	
			For >100 To 250, Add	0.98	
			For >250 To 500, Add	0.42	

09 97 13 24-0056	2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks <small>(09 97 13 24-0022)</small>				
09 97 13 24-0057	SF		Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.11	
			For Up To 100, Add	1.13	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
09 97 13 24-0058	SF		Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	1.81	
			For Up To 100, Add	0.90	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.20	
09 97 13 24-0059	SF		Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	1.48	
			For Up To 100, Add	0.79	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
09 97 13 24-0060	SF		Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	1.27	
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	

09 97 13 24-0061	2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks <small>(09 97 13 24-0022)</small>				
09 97 13 24-0062	SF		Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	2.32	
			For Up To 100, Add	1.16	
			For >100 To 250, Add	0.57	
			For >250 To 500, Add	0.25	
09 97 13 24-0063	SF		Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	2.02	
			For Up To 100, Add	0.93	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.21	
09 97 13 24-0064	SF		Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats .....	1.90	
			For Up To 100, Add	0.95	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.21	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 97	13 24-0065	SF	Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats .....	1.66	
				For Up To 100, Add	0.77	
				For >100 To 250, Add	0.38	
				For >250 To 500, Add	0.17	
	09 97	13 24-0066		<b>1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks</b> <small>(09 97 13 24-0022)</small>		
			SF	Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	5.58	
				For Up To 100, Add	3.08	
				For >100 To 250, Add	1.49	
				For >250 To 500, Add	0.65	
			SF	Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats .....	5.13	
				For Up To 100, Add	2.74	
				For >100 To 250, Add	1.34	
				For >250 To 500, Add	0.59	
			SF	Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats .....	8.58	
				For Up To 100, Add	5.33	
				For >100 To 250, Add	2.54	
				For >250 To 500, Add	1.10	
	09 97	13 24-0070		<b>1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks</b> <small>(09 97 13 24-0022)</small>		
			SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.90	
				For Up To 100, Add	1.44	
				For >100 To 250, Add	0.71	
				For >250 To 500, Add	0.31	
			SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats .....	2.58	
				For Up To 100, Add	1.20	
				For >100 To 250, Add	0.60	
				For >250 To 500, Add	0.26	
			SF	Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats .....	4.38	
				For Up To 100, Add	2.55	
				For >100 To 250, Add	1.23	
				For >250 To 500, Add	0.53	
			SF	Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats.....	2.31	
				For Up To 100, Add	1.14	
				For >100 To 250, Add	0.56	
				For >250 To 500, Add	0.25	
			SF	Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats.....	2.05	
				For Up To 100, Add	0.95	
				For >100 To 250, Add	0.47	
				For >250 To 500, Add	0.21	
			SF	Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats .....	3.46	
				For Up To 100, Add	2.01	
				For >100 To 250, Add	0.97	
				For >250 To 500, Add	0.42	
	09 97	13 24-0077		<b>Two 8 Mil Coal Tar Epoxy Coats For Tanks</b> <small>(09 97 13 24-0022)</small>		
			SF	Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats.....	2.64	
				For Up To 100, Add	1.56	
				For >100 To 250, Add	0.75	
				For >250 To 500, Add	0.33	
			SF	Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats.....	2.20	
				For Up To 100, Add	1.23	
				For >100 To 250, Add	0.60	
				For >250 To 500, Add	0.26	
			SF	Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats .....	3.40	
				For Up To 100, Add	2.13	
				For >100 To 250, Add	1.02	
				For >250 To 500, Add	0.44	
	09 97	13 24-0081		<b>One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks</b> <small>(09 97 13 24-0022)</small>		
			SF	Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat .....	1.83	
				For Up To 100, Add	1.04	
				For >100 To 250, Add	0.50	
				For >250 To 500, Add	0.22	
			SF	Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat .....	1.67	
				For Up To 100, Add	0.92	
				For >100 To 250, Add	0.45	
				For >250 To 500, Add	0.20	
			SF	Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat .....	2.79	
				For Up To 100, Add	1.76	
				For >100 To 250, Add	0.84	
				For >250 To 500, Add	0.36	
	09 97	13 24-0085		<b>Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior</b> <small>(09 97 13 24-0022)</small>		
			SF	Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats .....	4.02	
				For Up To 100, Add	2.40	
				For >100 To 250, Add	1.15	
				For >250 To 500, Add	0.50	

**09 Finishes****09 90 Painting and Coating****09 97 Special Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0087	SF		Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats .....	2.44	
			For Up To 100, Add .....	1.27	
			For >100 To 250, Add .....	0.62	
			For >250 To 500, Add .....	0.27	
<b>09 97 13 24-0088</b>			<b>One 3 Mil High Zinc Silicate Coat For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0089	SF		Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat .....	1.16	
			For Up To 100, Add .....	0.53	
			For >100 To 250, Add .....	0.27	
			For >250 To 500, Add .....	0.12	
09 97 13 24-0090	SF		Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat .....	1.13	
			For Up To 100, Add .....	0.51	
			For >100 To 250, Add .....	0.26	
			For >250 To 500, Add .....	0.11	
09 97 13 24-0091	SF		Spray Tank Interior One 3 Mil High Zinc Silicate Coat .....	1.84	
			For Up To 100, Add .....	1.04	
			For >100 To 250, Add .....	0.50	
			For >250 To 500, Add .....	0.22	
<b>09 97 13 24-0092</b>			<b>Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks (09 97 13 24-0022)</b>		
			Note: Installed over existing primer.		
09 97 13 24-0093	SF		Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats .....	1.92	
			For Up To 100, Add .....	1.06	
			For >100 To 250, Add .....	0.51	
			For >250 To 500, Add .....	0.22	
09 97 13 24-0094	SF		Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats .....	1.69	
			For Up To 100, Add .....	0.88	
			For >100 To 250, Add .....	0.43	
			For >250 To 500, Add .....	0.19	
09 97 13 24-0095	SF		Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats .....	2.67	
			For Up To 100, Add .....	1.62	
			For >100 To 250, Add .....	0.77	
			For >250 To 500, Add .....	0.34	
<b>09 97 13 24-0096</b>			<b>One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0097	SF		Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat .....	7.01	
			For Up To 100, Add .....	4.47	
			For >100 To 250, Add .....	2.12	
			For >250 To 500, Add .....	0.92	
<b>09 97 26</b>			<b>Cementitious Coatings (09 97)</b>		
<b>09 97 26 13</b>			<b>Interior Cementitious Coatings (09 97 26)</b>		
09 97 26 13-0001			Ceramic-Like Glazed Coating (09 97 26 13)		
09 97 26 13-0002			Ceramic-Like Glazed Coating, Cementitious (09 97 26 13-0001)		
09 97 26 13-0003	SF		Ceramic-like Glazed Coating, - Cementitious .....	2.24	
09 97 26 13-0004			Ceramic-Like Glazed Coating, Resin Base (09 97 26 13-0001)		
09 97 26 13-0005	SF		Ceramic-like Glazed Coating - Resin .....	1.90	
<b>09 97 35</b>			<b>Dry Erase Coatings (09 97)</b>		
09 97 35 00-0001			Dry-Erase Paint (09 97 35)		
09 97 35 00-0002			Dry-Erase Paint (IdeaPaint™ PRO) (09 97 35 00-0001)		
09 97 35 00-0003	SF		Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller .....	9.18	
			Note: Includes two coats of primer and white, white sand, light beige or light gray surface.		
09 97 35 00-0004			Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) (09 97 35 00-0001)		
09 97 35 00-0005	SF		Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller .....	5.01	
			Note: For application over existing latex-based top coats.		
09 97 35 00-0006	SF		Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller .....	9.79	
			Note: Includes two coats of primer and white or black surface coat.		
<b>09 97 63</b>			<b>Special Coatings and Protection Systems (09 97)</b>		
09 97 63 00-0001			Acrylic Glazed Coating (09 97 63)		
09 97 63 00-0002	SF		Acrylic Glazed Coating .....	1.48	

END OF SECTION 09

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 10 Specialties

### 10 01 Operation and Maintenance of Specialties <sup>(10)</sup>

#### 10 01 40 Operation and Maintenance of Safety Specialties <sup>(10 01)</sup>

10 01 40 00-0001	Recharge Existing Portable Fire Extinguishers <sup>(10 01 40)</sup> <small>Note: Includes removal, filling, testing, certification and reinstallation.</small>		
10 01 40 00-0002	Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers <sup>(10 01 40 00-0001)</sup>		
10 01 40 00-0003	EA Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher .....	12.37	
10 01 40 00-0004	EA Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher .....	13.75	
10 01 40 00-0005	EA Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher .....	14.30	
10 01 40 00-0006	EA Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher .....	16.18	
10 01 40 00-0007	EA Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher .....	18.70	
10 01 40 00-0008	Recharge Dry Chemical, Class ABC Portable Fire Extinguishers <sup>(10 01 40 00-0001)</sup>		
10 01 40 00-0009	EA Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher .....	14.93	
10 01 40 00-0010	EA Recharge 5 LB Dry Chemical Portable Fire Extinguisher .....	18.07	
10 01 40 00-0011	EA Recharge 10 LB Dry Chemical Portable Fire Extinguisher .....	25.53	
10 01 40 00-0012	EA Recharge 20 LB Dry Chemical Portable Fire Extinguisher .....	40.30	
10 01 40 00-0013	Recharge Other Portable Fire Extinguishers <sup>(10 01 40 00-0001)</sup>		
10 01 40 00-0014	EA Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher .....	14.77	
10 01 40 00-0015	EA Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher .....	105.28	
10 01 40 00-0016	EA Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher .....	147.39	
10 01 40 00-0017	EA Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher .....	60.68	

#### 10 01 50 Operation and Maintenance of Storage Specialties <sup>(10 01)</sup>

##### 10 01 50 11 Operation and Maintenance of Storage Specialties <sup>(10 01 50)</sup>

10 01 50 11-0001	Locker Repair And Refinishing <sup>(10 01 50 11)</sup>		
10 01 50 11-0002	EA Removal And Replacement Of Single Tier Locker Door .....	313.48	
10 01 50 11-0003	EA Removal And Replacement Of Two Tier Locker Door .....	246.72	
10 01 50 11-0004	EA Removal And Replacement Of Three Tier Locker Door .....	211.99	
10 01 50 11-0005	EA Removal And Replacement Of Four Tier Locker Door .....	179.34	
10 01 50 11-0006	EA Removal And Replacement Of Six Tier Or Sixteen Person Locker Door .....	101.85	
10 01 50 11-0007	EA Realign Metal Locker Door For Proper Closure .....	37.70	
10 01 50 11-0008	EA Patch Small Drill Holes In Locker .....	7.54	

## 10 10 Information Specialties <sup>(10)</sup>

### 10 11 Visual Display Units <sup>(10 10)</sup>

#### 10 11 13 Chalkboards <sup>(10 11)</sup>

##### 10 11 13 13 Fixed Chalkboards <sup>(10 11 13)</sup>

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001	Porcelain Enamel Steel Chalkboards <sup>(10 11 13 13)</sup>		
10 11 13 13-0002	5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) <sup>(10 11 13 13-0001)</sup> <small>Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.</small>		
10 11 13 13-0003	SF Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	40.33	8.92
10 11 13 13-0004	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	25.10	4.19
10 11 13 13-0005	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	21.69	3.62
10 11 13 13-0006	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	17.70	2.36
10 11 13 13-0007	SF >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	14.51	1.31
10 11 13 13-0008	1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) <sup>(10 11 13 13-0001)</sup> <small>Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.</small>		
10 11 13 13-0009	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	42.42	8.92
10 11 13 13-0010	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	27.14	4.19
10 11 13 13-0011	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	23.56	3.62
10 11 13 13-0012	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	19.97	2.36
10 11 13 13-0013	SF >24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	16.74	1.31
10 11 13 13-0014	1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) <sup>(10 11 13 13-0001)</sup> <small>Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.</small>		
10 11 13 13-0015	SF Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard .....	39.04	8.92

**10 Specialties****10 10 Information Specialties****10 11 Visual Display Units**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
10 11 13 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	23.79		4.19
10 11 13 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	20.43		3.62
10 11 13 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	16.65		2.36
10 11 13 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	13.34		1.31
<b>10 11 13 13-0020</b>		<b>Removal And Reinstallation Of Chalkboards</b> (10 11 13 13)			
		Note: Includes storage and cleaning.			
10 11 13 13-0021	SF	Removal And Reinstallation Of Chalkboard.....	10.86		
<b>10 11 13 13-0022</b>		<b>Field Applied Chalkboard And Accessories</b> (10 11 13 13)			
<b>10 11 13 13-0023</b>		<b>Chalkboard Face Sheets And Panels</b> (10 11 13 13-0022)			
10 11 13 13-0024	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite).....	13.87		4.19
		Note: Includes porcelain enamel steel chalkboard skin.			
10 11 13 13-0025	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT).....	16.19		4.19
		Note: Includes porcelain enamel steel surface mounted on either particle board or hardboard core with an aluminum moisture barrier back.			
<b>10 11 13 13-0026</b>		<b>Chalkboard And Markerboard Accessory Trays And Trim</b> (10 11 13 13-0022)			
10 11 13 13-0027	LF	Chalk And Marker Tray, Field Applied.....	16.45		5.77
10 11 13 13-0028	PR	Chalk And Marker Tray End Closures, Field Applied.....	24.71		10.49
10 11 13 13-0029	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied.....	13.17		5.77
10 11 13 13-0030	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied.....	13.42		5.77
10 11 13 13-0031	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	14.18		5.77
10 11 13 13-0032	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	14.81		5.77
10 11 13 13-0033	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	13.82		5.77
<b>10 11 13 33</b>		<b>Rail-Mounted Chalkboards</b> (10 11 13)			
<b>10 11 13 33-0001</b>		<b>Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series)</b> (10 11 13 33)			
<b>10 11 13 33-0002</b>		<b>Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards</b> (10 11 13 33-0001)			
10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	1,717.30		104.87
10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	1,922.17		104.87
10 11 13 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,173.82		111.69
10 11 13 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,411.85		111.69
10 11 13 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,996.68		120.07
10 11 13 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,186.55		120.07
10 11 13 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,595.98		125.84
10 11 13 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,067.30		125.84
<b>10 11 13 33-0011</b>		<b>Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards</b> (10 11 13 33-0001)			
10 11 13 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,328.40		104.87
10 11 13 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,752.75		104.87
10 11 13 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,146.53		111.69
10 11 13 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,536.14		111.69
10 11 13 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,027.81		120.07
10 11 13 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,199.52		120.07
10 11 13 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,917.65		125.84
10 11 13 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,490.82		125.84
<b>10 11 13 33-0020</b>		<b>Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards</b> (10 11 13 33-0001)			
10 11 13 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,588.94		104.87
10 11 13 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,935.92		104.87
10 11 13 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,314.70		111.69
10 11 13 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,713.00		111.69
10 11 13 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,488.90		120.07
10 11 13 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,671.66		120.07
10 11 13 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,509.01		125.84
10 11 13 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,143.42		125.84
<b>10 11 13 33-0029</b>		<b>Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series)</b>			
<b>10 11 13 33-0030</b>		<b>One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> (10 11 13 33-0029)			
10 11 13 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,042.97		104.87
10 11 13 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,249.41		104.87
10 11 13 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,458.43		111.69
10 11 13 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,816.85		111.69
10 11 13 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,084.67		120.07
10 11 13 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,415.45		120.07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 11 13 33-0037	<b>Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0029)</small>	
10 11 13 33-0038	EA 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	2,972.97 104.87
10 11 13 33-0039	EA 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	3,293.49 104.87
10 11 13 33-0040	EA 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	3,618.16 111.69
10 11 13 33-0041	EA 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	4,207.88 111.69
10 11 13 33-0042	EA 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	4,579.09 120.07
10 11 13 33-0043	EA 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	5,114.33 120.07

10 11 13 33-0044	<b>Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0029)</small>	
10 11 13 33-0045	EA 8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	4,041.14 104.87
10 11 13 33-0046	EA 8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	4,478.10 104.87
10 11 13 33-0047	EA 8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	4,919.21 111.69
10 11 13 33-0048	EA 8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	5,739.44 111.69
10 11 13 33-0049	EA 8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	6,223.52 120.07
10 11 13 33-0050	EA 8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	6,977.43 120.07

10 11 13 33-0051 **Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series)** (10 11 13 33)  
 Note: Excludes remotes.

10 11 13 33-0052	<b>One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0051)</small>	
10 11 13 33-0053	EA 10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	6,502.34 209.74
10 11 13 33-0054	EA 10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	6,685.19 209.74
10 11 13 33-0055	EA 10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	6,892.20 216.30
10 11 13 33-0056	EA 10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	7,227.12 216.30
10 11 13 33-0057	EA 10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	7,600.41 222.84
10 11 13 33-0058	EA 10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	7,923.49 222.84
10 11 13 33-0059	EA 10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	8,632.81 235.95
10 11 13 33-0060	EA 10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	8,722.18 235.95

10 11 13 33-0061	<b>Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0051)</small>	
10 11 13 33-0062	EA 10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	10,170.81 209.74
10 11 13 33-0063	EA 10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	10,412.56 209.74
10 11 13 33-0064	EA 10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	10,685.57 216.30
10 11 13 33-0065	EA 10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	11,177.77 216.30
10 11 13 33-0066	EA 10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	11,670.44 222.84
10 11 13 33-0067	EA 10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	12,138.16 222.84
10 11 13 33-0068	EA 10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	13,093.97 235.95
10 11 13 33-0069	EA 10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	13,235.61 235.95

10 11 13 33-0070	<b>Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0051)</small>	
10 11 13 33-0071	EA 10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	13,183.18 209.74
10 11 13 33-0072	EA 10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	13,793.33 209.74
10 11 13 33-0073	EA 10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	14,119.71 216.30
10 11 13 33-0074	EA 10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	14,759.71 216.30
10 11 13 33-0075	EA 10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	15,435.71 222.84
10 11 13 33-0076	EA 10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	16,082.81 222.84
10 11 13 33-0077	EA 10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	17,365.64 235.95
10 11 13 33-0078	EA 10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard .....	17,614.82 235.95

10 11 13 33-0079	<b>Sliding Chalkboard And Markerboard Accessories</b> <small>(10 11 13 33)</small>	
10 11 13 33-0080	EA One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard .....	483.42
10 11 13 33-0081	EA Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard .....	823.71

**10 11 16 Markerboards** (10 11)

**10 11 16 13 Fixed Markerboards** (10 11 16)

Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.

10 11 16 13-0001	<b>Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 13)</small>	
10 11 16 13-0002	<b>5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series)</b> <small>(10 11 16 13-0001)</small>	
Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0003	SF Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	40.46 8.92
10 11 16 13-0004	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	25.56 4.19
10 11 16 13-0005	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	21.69 3.62
10 11 16 13-0006	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	17.87 2.36
10 11 16 13-0007	SF >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	14.33 1.31

**10 Specialties****10 10 Information Specialties****10 11 Visual Display Units**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
10 11 16 13-0008		<b>1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series)</b> <small>(10 11 16 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.			
10 11 16 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	42.45		8.92
10 11 16 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	26.15		4.19
10 11 16 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	22.58		3.62
10 11 16 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	18.99		2.36
10 11 16 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	16.16		1.31
10 11 16 13-0014		<b>1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series)</b> <small>(10 11 16 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.			
10 11 16 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard .....	39.03		8.92
10 11 16 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	23.79		4.19
10 11 16 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	21.39		3.62
10 11 16 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	16.75		2.36
10 11 16 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	13.11		1.31
10 11 16 13-0020		<b>Melamine Markerboards</b> <small>(10 11 16 13)</small>			
10 11 16 13-0021		<b>1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series)</b> <small>(10 11 16 13-0020)</small> Note: Includes full length map rail, map hooks, marker tray and mounting hardware.			
10 11 16 13-0022	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard .....	32.96		8.92
10 11 16 13-0023	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	19.61		4.19
10 11 16 13-0024	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	17.00		3.62
10 11 16 13-0025	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	12.61		2.36
10 11 16 13-0026	SF	>24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	9.95		1.31
10 11 16 13-0027		<b>1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series)</b> <small>(10 11 16 13-0020)</small> Note: Includes marker tray and mounting hardware.			
10 11 16 13-0028	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	32.29		8.92
10 11 16 13-0029	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	19.30		4.19
10 11 16 13-0030	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	16.56		3.62
10 11 16 13-0031	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	11.82		2.36
10 11 16 13-0032	SF	>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	9.23		1.31
10 11 16 13-0033		<b>Nonporous, Non-Staining Markerboards</b> <small>(10 11 16 13)</small>			
10 11 16 13-0034		<b>5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series)</b> <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.			
10 11 16 13-0035	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	42.38		8.92
		<i>For Magnetic Surface, Add</i>	2.46		
10 11 16 13-0036	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	27.07		4.19
		<i>For Magnetic Surface, Add</i>	1.87		
10 11 16 13-0037	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	23.34		3.62
		<i>For Magnetic Surface, Add</i>	1.61		
10 11 16 13-0038	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	20.18		2.36
		<i>For Magnetic Surface, Add</i>	1.55		
10 11 16 13-0039	SF	>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	17.05		1.31
		<i>For Magnetic Surface, Add</i>	1.44		
10 11 16 13-0040		<b>1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series)</b> <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.			
10 11 16 13-0041	SF	Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....	42.38		8.92
		<i>For Magnetic Surface, Add</i>	2.46		
10 11 16 13-0042	SF	>6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....	27.07		4.19
		<i>For Magnetic Surface, Add</i>	1.87		
10 11 16 13-0043	SF	>12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....	23.34		3.62
		<i>For Magnetic Surface, Add</i>	1.61		
10 11 16 13-0044	SF	>16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....	20.18		2.36
		<i>For Magnetic Surface, Add</i>	1.55		
10 11 16 13-0045	SF	>24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....	17.05		1.31
		<i>For Magnetic Surface, Add</i>	1.44		
10 11 16 13-0046		<b>1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series)</b> <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.			
10 11 16 13-0047	SF	Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard .....	72.79		8.92
		<i>For Magnetic Surface, Add</i>	5.50		
10 11 16 13-0048	SF	>6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard.....	45.34		4.19
		<i>For Magnetic Surface, Add</i>	3.70		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0049	SF		>12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	38.35 3.11	3.62
10 11 16 13-0050	SF		>16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	32.06 2.74	2.36
10 11 16 13-0051	SF		>24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	24.63 2.20	1.31
<b>10 11 16 13-0052</b>			<b>Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels)</b> <small>(10 11 16 13-0033)</small> Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface, 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053	SF		Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	18.84	3.62
10 11 16 13-0054	SF		>16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	15.72	2.36
10 11 16 13-0055	SF		>24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	12.88	1.31
<b>10 11 16 13-0056</b>			<b>Removal And Reinstallation Of Markerboard</b> <small>(10 11 16 13)</small> Note: Includes storage and cleaning.		
10 11 16 13-0057	EA		Up To 6 SF, Removal And Reinstallation Of Markerboard.....	62.92	
10 11 16 13-0058	EA		>6 To 12 SF, Removal And Reinstallation Of Markerboard.....	73.41	
10 11 16 13-0059	EA		>12 To 16 SF, Removal And Reinstallation Of Markerboard.....	83.90	
10 11 16 13-0060	EA		>16 To 24 SF, Removal And Reinstallation Of Markerboard.....	94.38	
10 11 16 13-0061	EA		>24 SF, Removal And Reinstallation Of Markerboard.....	104.87	
<b>10 11 16 13-0062</b>			<b>Field Applied Markerboard And Accessories</b> <small>(10 11 16 13)</small>		
<b>10 11 16 13-0063</b>			<b>Markerboard Face Sheets And Panels</b> <small>(10 11 16 13-0062)</small>		
10 11 16 13-0064	SF		Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS)..... Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	13.68	4.19
10 11 16 13-0065	SF		Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick)..... Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	15.77	4.19
10 11 16 13-0066	SF		Porcelain Enamel Steel Markerboard Panel (Claridge LCS)..... Note: Includes porcelain enamel steel surface mounted on either 3/8" particle board or 1/4" hardboard core with an aluminum moisture barrier back.	15.72	4.19
10 11 16 13-0067	SF		Melamine Markerboard Panel (Claridge 1032)..... Note: Includes 1/4" thick melamine panel.	9.91	4.19
<b>10 11 16 13-0068</b>			<b>Chalkboard And Markerboard Accessory Trays And Trim</b> <small>(10 11 16 13-0062)</small> See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.		
<b>10 11 16 33</b>			<b>Rail-Mounted Markerboards</b> <small>(10 11 16)</small>		
<b>10 11 16 33-0001</b>			<b>Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series)</b> <small>(10 11 16 33)</small>		
<b>10 11 16 33-0002</b>			<b>Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0001)</small>		
10 11 16 33-0003	EA		4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	1,697.21	104.87
10 11 16 33-0004	EA		4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	1,895.39	104.87
10 11 16 33-0005	EA		4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,140.35	111.69
10 11 16 33-0006	EA		4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,371.68	111.69
10 11 16 33-0007	EA		4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,949.82	120.07
10 11 16 33-0008	EA		4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,132.99	120.07
10 11 16 33-0009	EA		4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,529.03	125.84
10 11 16 33-0010	EA		4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,986.96	125.84
<b>10 11 16 33-0011</b>			<b>Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0001)</small>		
10 11 16 33-0012	EA		4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,308.31	104.87
10 11 16 33-0013	EA		4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,725.97	104.87
10 11 16 33-0014	EA		4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,113.05	111.69
10 11 16 33-0015	EA		4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,495.97	111.69
10 11 16 33-0016	EA		4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,980.94	120.07
10 11 16 33-0017	EA		4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,145.95	120.07
10 11 16 33-0018	EA		4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,850.70	125.84
10 11 16 33-0019	EA		4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,410.48	125.84
<b>10 11 16 33-0020</b>			<b>Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0001)</small>		
10 11 16 33-0021	EA		4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,568.86	104.87
10 11 16 33-0022	EA		4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,909.14	104.87
10 11 16 33-0023	EA		4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,281.22	111.69
10 11 16 33-0024	EA		4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,672.83	111.69
10 11 16 33-0025	EA		4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,442.03	120.07
10 11 16 33-0026	EA		4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,618.09	120.07
10 11 16 33-0027	EA		4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,442.06	125.84
10 11 16 33-0028	EA		4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	6,083.16	125.84

**10 Specialties****10 10 Information Specialties****10 11 Visual Display Units**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
10 11 16 33-0029		Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) <small>(10 11 16 33)</small>			
10 11 16 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>			
10 11 16 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	2,016.18		104.87
10 11 16 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	2,215.94		104.87
10 11 16 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	2,418.26		111.69
10 11 16 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	2,763.29		111.69
10 11 16 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	3,017.72		120.07
10 11 16 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	3,335.11		120.07
10 11 16 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>			
10 11 16 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	2,919.41		104.87
10 11 16 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	3,226.53		104.87
10 11 16 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	3,537.82		111.69
10 11 16 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	4,100.75		111.69
10 11 16 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	4,445.19		120.07
10 11 16 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	4,953.64		120.07
10 11 16 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>			
10 11 16 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	3,960.80		104.87
10 11 16 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	4,377.67		104.87
10 11 16 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	4,798.70		111.69
10 11 16 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	5,578.75		111.69
10 11 16 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	6,022.67		120.07
10 11 16 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	6,736.40		120.07
10 11 16 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) <small>(10 11 16 33)</small>			
		Note: Excludes remotes.			
10 11 16 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>			
10 11 16 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	6,468.86		209.74
10 11 16 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	6,643.34		209.74
10 11 16 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	6,841.98		216.30
10 11 16 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	7,160.17		216.30
10 11 16 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	7,516.72		222.84
10 11 16 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	7,823.06		222.84
10 11 16 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	8,515.64		235.95
10 11 16 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	8,588.28		235.95
10 11 16 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>			
10 11 16 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	10,103.86		209.74
10 11 16 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	10,328.87		209.74
10 11 16 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	10,585.15		216.30
10 11 16 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	11,043.86		216.30
10 11 16 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	11,503.06		222.84
10 11 16 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	11,937.30		222.84
10 11 16 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	12,859.64		235.95
10 11 16 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	12,967.80		235.95
10 11 16 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>			
10 11 16 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	13,082.75		209.74
10 11 16 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	13,667.79		209.74
10 11 16 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	13,969.07		216.30
10 11 16 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	14,558.85		216.30
10 11 16 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	15,184.64		222.84
10 11 16 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	15,781.52		222.84
10 11 16 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	17,014.14		235.95
10 11 16 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	17,213.10		235.95
10 11 16 33-0079		Sliding Chalkboard And Markerboard Accessories <small>(10 11 16 33)</small>			
		See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.			
10 11 23		<b>Tackboards</b> <small>(10 11)</small>			
10 11 23 13		<b>Fixed Tackboards</b> <small>(10 11 23)</small>			
		Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 11 23 13-0001	<b>Fixed Tackboards</b> <small>(10 11 23 13)</small> Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0002	<b>Cork Surface, Fixed Tackboards</b> <small>(10 11 23 13-0001)</small> Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.		
10 11 23 13-0003	<b>5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series)</b> <small>(10 11 23 13-0002)</small>		
10 11 23 13-0004	SF Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	28.42	8.92
10 11 23 13-0005	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard .....	15.76	4.19
10 11 23 13-0006	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard .....	13.64	3.62
10 11 23 13-0007	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard .....	10.63	2.36
10 11 23 13-0008	SF >24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard .....	8.39	1.31
10 11 23 13-0009	<b>1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series)</b> <small>(10 11 23 13-0002)</small>		
10 11 23 13-0010	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	29.67	8.92
10 11 23 13-0011	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard .....	16.34	4.19
10 11 23 13-0012	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard .....	13.35	3.62
10 11 23 13-0013	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard .....	10.17	2.36
10 11 23 13-0014	SF >24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard .....	7.67	1.31
10 11 23 13-0015	<b>1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series)</b> <small>(10 11 23 13-0002)</small>		
10 11 23 13-0016	SF Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard .....	29.80	8.92
10 11 23 13-0017	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard .....	17.55	4.19
10 11 23 13-0018	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard .....	16.11	3.62
10 11 23 13-0019	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard .....	12.18	2.36
10 11 23 13-0020	SF >24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard .....	9.36	1.31
10 11 23 13-0021	<b>Burlap Backed Cork Surface, Fixed Tackboards</b> <small>(10 11 23 13-0001)</small> Note: Includes burlap backed 1/4" self healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022	<b>5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series)</b> <small>(10 11 23 13-0021)</small>		
10 11 23 13-0023	SF Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	32.04	8.92
10 11 23 13-0024	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard .....	20.10	4.19
10 11 23 13-0025	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard .....	18.23	3.62
10 11 23 13-0026	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard .....	15.24	2.36
10 11 23 13-0027	SF >24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard .....	13.08	1.31
10 11 23 13-0028	<b>1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series)</b> <small>(10 11 23 13-0021)</small>		
10 11 23 13-0029	SF Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	35.07	8.92
10 11 23 13-0030	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard .....	23.33	4.19
10 11 23 13-0031	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard .....	21.49	3.62
10 11 23 13-0032	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard .....	17.61	2.36
10 11 23 13-0033	SF >24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	14.81	1.31
10 11 23 13-0034	<b>Polyester Fabric Surface, Fixed Tackboards</b> <small>(10 11 23 13-0001)</small> Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		
10 11 23 13-0035	<b>5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series)</b> <small>(10 11 23 13-0034)</small>		
10 11 23 13-0036	SF Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	29.28	8.92
10 11 23 13-0037	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard .....	16.81	4.19
10 11 23 13-0038	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard .....	14.83	3.62
10 11 23 13-0039	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard .....	11.85	2.36
10 11 23 13-0040	SF >24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard .....	9.48	1.31
10 11 23 13-0041	<b>1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series)</b> <small>(10 11 23 13-0034)</small>		
10 11 23 13-0042	SF Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard .....	30.99	8.92
10 11 23 13-0043	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard .....	19.03	4.19
10 11 23 13-0044	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard .....	17.49	3.62
10 11 23 13-0045	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard .....	13.69	2.36
10 11 23 13-0046	SF >24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	10.93	1.31
10 11 23 13-0047	<b>Vinyl Fabric Surface, Fixed Tackboards</b> <small>(10 11 23 13-0001)</small> Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048	<b>5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series)</b> <small>(10 11 23 13-0047)</small>		
10 11 23 13-0049	SF Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	28.42	8.92
10 11 23 13-0050	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard .....	15.82	4.19
10 11 23 13-0051	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard .....	13.74	3.62

<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 10</b>	<b>Information Specialties</b>
	<b>10 11</b>	<b>Visual Display Units</b>

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

10 11 23 13-0052	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard .....	10.63	2.36
10 11 23 13-0053	SF	>24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard .....	8.25	1.31

**10 11 23 13-0054 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series)** (10 11 23 13-0047)

10 11 23 13-0055	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard .....	29.80	8.92
10 11 23 13-0056	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard .....	18.17	4.19
10 11 23 13-0057	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard .....	16.11	3.62
10 11 23 13-0058	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard .....	12.18	2.36
10 11 23 13-0059	SF	4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard .....	9.36	1.31

**10 12 Display Cases** (10 10)

**10 12 00 00-0001 Counter Display Cases** (10 12)

10 12 00 00-0002	EA	30" x 12" x 36" Counter Display Cases .....	1,191.84	160.66
10 12 00 00-0003	EA	30" x 12" x 48" Counter Display Cases .....	1,280.75	160.66
10 12 00 00-0004	EA	30" x 18" x 36" Counter Display Cases .....	1,244.54	160.66
10 12 00 00-0005	EA	30" x 18" x 48" Counter Display Cases .....	1,190.98	71.41

**10 12 00 00-0006 Upright Display Case** (10 12)

10 12 00 00-0007	EA	72 In x 20 In x 70 In Upright Display Case .....	2,397.92	160.66
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**10 12 00 00-0008 Full Vision Display Case** (10 12)

10 12 00 00-0009	EA	38 In x 20 In x 70 In Full Vision Display Case .....	1,593.84	160.66
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**10 13 Directories** (10 10)

**10 13 11 Directory and Bulletin Boards** (10 13)

Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.

**10 13 11 00-0001 Wall Mounted Directories** (10 13 11)

Note: Includes changeable letters.

**10 13 11 00-0002 Open Face, Wall Mounted Directories** (10 13 11 00-0001)

Note: Includes vinyl or felt back panel.

**10 13 11 00-0003 Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series)** (10 13 11 00-0002)

10 13 11 00-0004	SF	Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory .....	44.41	8.92
10 13 11 00-0005	SF	>6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory .....	28.33	4.19
10 13 11 00-0006	SF	>12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory .....	25.65	3.62
10 13 11 00-0007	SF	>16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory .....	19.41	2.36
10 13 11 00-0008	SF	>24 SF, Wood Frame, Open Face, Wall Mounted Directory .....	15.25	1.31

**10 13 11 00-0009 Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series)** (10 13 11 00-0002)

10 13 11 00-0010	SF	Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory .....	44.81	8.92
		<i>For Bronze Anodize Finish, Add</i>	12.00	
10 13 11 00-0011	SF	>6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory .....	28.59	4.19
		<i>For Bronze Anodize Finish, Add</i>	12.00	
10 13 11 00-0012	SF	>12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory .....	26.18	3.62
		<i>For Bronze Anodize Finish, Add</i>	12.00	
10 13 11 00-0013	SF	>16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory .....	18.56	2.36
		<i>For Bronze Anodize Finish, Add</i>	12.00	
10 13 11 00-0014	SF	>24 SF, Aluminum Frame, Open Face, Wall Mounted Directory .....	15.65	1.31
		<i>For Bronze Anodize Finish, Add</i>	12.00	

**10 13 11 00-0015 Glass Encased, Wall Mounted Directory Cabinets** (10 13 11 00-0001)

Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

**10 13 11 00-0016 Wood Frame, Glass Encased, Wall Mounted Directory Cabinets** (10 13 11 00-0015)

**10 13 11 00-0017 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series)** (10 13 11 00-0016)

10 13 11 00-0018	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet .....	103.76	8.92
		<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0019	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet .....	81.88	4.19
		<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0020	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet .....	68.62	3.62
		<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0021	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet .....	63.10	2.36
		<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0022	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet .....	56.70	1.31
		<i>For Fluorescent Lights, Add</i>	15.00	

**10 13 11 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series)** (10 13 11 00-0016)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0024	SF		Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	89.81 15.00	8.92
10 13 11 00-0025	SF		>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	70.81 15.00	3.62
10 13 11 00-0026	SF		>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	50.67 15.00	2.36
10 13 11 00-0027	SF		>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	45.25 15.00	1.31
10 13 11 00-0028			<b>Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets</b> (10 13 11 00-0015)		
10 13 11 00-0029			<b>Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series)</b> (10 13 11 00-0028)		
10 13 11 00-0030	SF		Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	93.30 15.00 12.00 15.09	8.92
10 13 11 00-0031	SF		>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	71.03 15.00 12.00 12.53	4.19
10 13 11 00-0032	SF		>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	60.14 15.00 12.00 10.58	3.62
10 13 11 00-0033	SF		>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	44.06 15.00 12.00 7.87	2.36
10 13 11 00-0034	SF		>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	40.72 15.00 12.00 7.62	1.31
10 13 11 00-0035			<b>Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series)</b> (10 13 11 00-0028)		
10 13 11 00-0036	SF		Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	141.59 15.00 12.00 24.75	8.92
10 13 11 00-0037	SF		>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	81.83 15.00 12.00 14.69	4.19
10 13 11 00-0038	SF		>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	68.97 15.00 12.00 12.35	3.62
10 13 11 00-0039	SF		>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	52.97 15.00 12.00 9.65	2.36
10 13 11 00-0040	SF		>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	48.62 15.00 12.00 9.20	1.31
10 13 11 00-0041			<b>Outdoor, Glass Encased, Wall Mounted Directory Cabinets</b> (10 13 11 00-0001) Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0042			<b>Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets</b> (10 13 11 00-0041)		
10 13 11 00-0043			<b>Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series)</b> (10 13 11 00-0042)		
10 13 11 00-0044	SF		Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	139.15 15.00 12.00	8.92
10 13 11 00-0045	SF		>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	92.16 15.00 12.00	4.19
10 13 11 00-0046	SF		>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	89.34 15.00 12.00	3.62
10 13 11 00-0047			<b>Wall Mounted Bulletin Boards</b> (10 13 11)		
10 13 11 00-0048			<b>Glass Encased, Wall Mounted Bulletin Board Cabinets</b> (10 13 11 00-0047) Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0049			<b>Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets</b> (10 13 11 00-0048)		

**10 Specialties****10 10 Information Specialties****10 13 Directories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0050			<b>Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series)</b> <small>(10 13 11 00-0049)</small>		
10 13 11 00-0051	SF		Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	101.39	8.92
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0052	SF		>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	80.11	4.19
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0053	SF		>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	66.84	3.62
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0054	SF		>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	61.42	2.36
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0055	SF		>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	55.91	1.31
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0056			<b>Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series)</b> <small>(10 13 11 00-0049)</small>		
10 13 11 00-0057	SF		Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	85.60	8.92
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0058	SF		>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	66.81	3.62
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0059	SF		>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	47.57	2.36
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0060	SF		>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	42.89	1.31
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0061			<b>Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets</b> <small>(10 13 11 00-0048)</small>		
10 13 11 00-0062			<b>Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series)</b> <small>(10 13 11 00-0061)</small>		
10 13 11 00-0063	SF		Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	95.47	8.92
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	15.53	
10 13 11 00-0064	SF		>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	73.20	4.19
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	12.96	
10 13 11 00-0065	SF		>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	62.30	3.62
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	11.01	
10 13 11 00-0066	SF		>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	46.23	2.36
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	8.30	
10 13 11 00-0067	SF		>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	42.89	1.31
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	8.05	
10 13 11 00-0068			<b>Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series)</b> <small>(10 13 11 00-0061)</small>		
10 13 11 00-0069	SF		Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	143.76	8.92
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	25.19	
10 13 11 00-0070	SF		>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	83.99	4.19
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	15.12	
10 13 11 00-0071	SF		>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	71.13	3.62
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	12.78	
10 13 11 00-0072	SF		>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	55.14	2.36
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	10.09	
10 13 11 00-0073	SF		>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	50.78	1.31
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	9.63	
10 13 11 00-0074			<b>Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets</b> <small>(10 13 11 00-0047)</small>		
			Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0075			<b>Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets</b> <small>(10 13 11 00-0074)</small>		
10 13 11 00-0076			<b>Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets</b> <small>(10 13 11 00-0075)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 13 11 00-0077	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	136.99	8.92	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
10 13 11 00-0078	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	89.99	4.19	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
10 13 11 00-0079	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	87.20	3.62	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		

**10 13 11 00-0080 Wall Mounted Menu Boards** (10 13 11)

10 13 11 00-0081	SF	Stainless Steel Changeable Letter Type Menu Board	67.88	14.68	
		<i>For Attaching Board To Gypsum Board Walls, Add</i>	13.63		
		<i>For Illumination, Add</i>	16.97		
		<i>For Exterior Construction Waterproof, Add</i>	4.87		

**10 14 Signage** (10 10)

Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection wiring, 26 05 83 00-0130 for terminations.

**10 14 16 Plaques** (10 14)

Note: Includes minimum 1/4" to 3/8" plaque with custom 1/4" raised lettering and emblem casting. Sizes one to four SF each.

**10 14 16 00-0001 Metal Cased Plaque** (10 14 16)

10 14 16 00-0002	SF	Bronze Cast Plaque With lettering Including Emblem Size 1-4 SF Each	544.51	26.20	
		<i>For &gt;5 To 10, Deduct</i>	-58.85		
		<i>For &gt;10 Each, Deduct</i>	-102.82		
10 14 16 00-0003	SF	Aluminum Cast Plaque With lettering Including Emblem Size 1-4 SF Each	355.25	26.20	
		<i>For &gt;5 To 10, Deduct</i>	-38.03		
		<i>For &gt;10 Each, Deduct</i>	-63.07		

**10 14 16 00-0004 Metal Engraved Plaque, Etched** (10 14 16)

10 14 16 00-0005	SF	Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each	389.35	26.20	
		<i>For &gt;5 To 10, Deduct</i>	-41.78		
		<i>For &gt;10 Each, Deduct</i>	-70.23		
10 14 16 00-0006	SF	Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each	363.48	26.20	
		<i>For &gt;5 To 10, Deduct</i>	-38.93		
		<i>For &gt;10 Each, Deduct</i>	-64.80		
10 14 16 00-0007	SF	Brass Engraved Plaque Including Emblem Size 1-4 SF Each	251.79	26.20	
		<i>For &gt;5 To 10, Deduct</i>	-26.65		
		<i>For &gt;10 Each, Deduct</i>	-41.35		
10 14 16 00-0008	SF	Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each	243.56	26.20	
		<i>For &gt;5 To 10, Deduct</i>	-25.74		
		<i>For &gt;10 Each, Deduct</i>	-39.62		

**10 14 16 00-0009 Metal Built-Up Plaque** (10 14 16)

10 14 16 00-0010	SF	Bronze Built-up Plaque	413.31	32.49	
		Note: Including Emblem Size 1-4 SF Each			
		<i>For &gt;5 To 10, Deduct</i>	-44.15		
		<i>For &gt;10 Each, Deduct</i>	-72.38		
10 14 16 00-0011	SF	Copper And Bronze Built-up Plaque	421.87	32.49	
		Note: Including Emblem Size 1-4 SF Each			
		<i>For &gt;5 To 10, Deduct</i>	-45.10		
		<i>For &gt;10 Each, Deduct</i>	-74.18		
10 14 16 00-0012	SF	Copper And Aluminum Built-up Plaque	397.91	32.49	
		Note: Including Emblem Size 1-4 SF Each			
		<i>For &gt;5 To 10, Deduct</i>	-42.46		
		<i>For &gt;10 Each, Deduct</i>	-69.15		
10 14 16 00-0013	SF	Bronze Built-up Dedication Plaque	480.37	65.51	
		Note: Including Raised Bronze Lettering			
		<i>For &gt;5 To 10, Deduct</i>	-51.53		
		<i>For &gt;10 Each, Deduct</i>	-86.47		
10 14 16 00-0014	SF	Bronze Built-up Plaque	409.07	65.51	
		Note: Including Raised Bronze Lettering			
		<i>For &gt;5 To 10, Deduct</i>	-43.69		
		<i>For &gt;10 Each, Deduct</i>	-71.49		

**10 14 16 00-0015 Metal Nameplate Plaques** (10 14 16)

10 14 16 00-0016	SF	Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each	212.48	17.83	
		<i>For &gt;5 To 10, Deduct</i>	-22.67		
		<i>For &gt;10 Each, Deduct</i>	-36.93		
10 14 16 00-0017	SF	Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each	275.66	17.83	
		<i>For &gt;5 To 10, Deduct</i>	-29.62		
		<i>For &gt;10 Each, Deduct</i>	-50.20		
10 14 16 00-0018	EA	1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each	155.45	17.83	
		<i>For &gt;5 To 10, Deduct</i>	-16.40		
		<i>For &gt;10 Each, Deduct</i>	-24.95		
10 14 16 00-0019	EA	1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each	140.45	17.83	
		<i>For &gt;5 To 10, Deduct</i>	-14.75		
		<i>For &gt;10 Each, Deduct</i>	-21.80		
10 14 16 00-0020	SF	Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9")	398.88	65.51	
		<i>For &gt;5 To 10, Deduct</i>	-42.57		
		<i>For &gt;10 Each, Deduct</i>	-69.35		

<b>10</b>	<b>10 Specialties</b>
	<b>10 10 Information Specialties</b>
	<b>10 14 Signage</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**10 14 19 Dimensional Letter Signage** (10 14)

Note: Mounted on masonry or concrete.

10 14 19 00-0001 **Cast Characters** (10 14 19)  
Note: Any font.

10 14 19 00-0002 **Satin Finish, Cast Aluminum Characters** (10 14 19 00-0001)

10 14 19 00-0003	EA 2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	44.22	6.56
	For Installation With Adhesive, Deduct	-4.83	
	For Clear Anodized, Add	1.80	
	For Satin Face And Enameled Return, Add	5.41	
	For Patina Finish, Add	7.21	
	For Color Anodized, Add	9.01	
10 14 19 00-0004	EA 3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	51.87	7.08
	For Installation With Adhesive, Deduct	-5.42	
	For Clear Anodized, Add	2.36	
	For Satin Face And Enameled Return, Add	7.07	
	For Patina Finish, Add	9.42	
	For Color Anodized, Add	11.78	
10 14 19 00-0005	EA 4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	56.73	7.60
	For Installation With Adhesive, Deduct	-5.88	
	For Clear Anodized, Add	2.63	
	For Satin Face And Enameled Return, Add	7.90	
	For Patina Finish, Add	10.53	
	For Color Anodized, Add	13.17	
10 14 19 00-0006	EA 5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	65.08	8.70
	For Installation With Adhesive, Deduct	-6.71	
	For Clear Anodized, Add	3.05	
	For Satin Face And Enameled Return, Add	9.15	
	For Patina Finish, Add	12.20	
	For Color Anodized, Add	15.25	
10 14 19 00-0007	EA 6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	71.33	9.17
	For Installation With Adhesive, Deduct	-7.23	
	For Clear Anodized, Add	3.47	
	For Satin Face And Enameled Return, Add	10.40	
	For Patina Finish, Add	13.86	
	For Color Anodized, Add	17.33	
10 14 19 00-0008	EA 8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	84.90	10.48
	For Installation With Adhesive, Deduct	-8.44	
	For Clear Anodized, Add	4.30	
	For Satin Face And Enameled Return, Add	12.89	
	For Patina Finish, Add	17.19	
	For Color Anodized, Add	21.49	
10 14 19 00-0009	EA 9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	93.92	11.01
	For Installation With Adhesive, Deduct	-9.10	
	For Clear Anodized, Add	4.99	
	For Satin Face And Enameled Return, Add	14.97	
	For Patina Finish, Add	19.96	
	For Color Anodized, Add	24.95	
10 14 19 00-0010	EA 10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	106.76	11.79
	For Installation With Adhesive, Deduct	-10.05	
	For Clear Anodized, Add	5.96	
	For Satin Face And Enameled Return, Add	17.88	
	For Patina Finish, Add	23.84	
	For Color Anodized, Add	29.80	
10 14 19 00-0011	EA 12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	129.35	13.62
	For Installation With Adhesive, Deduct	-11.92	
	For Clear Anodized, Add	7.48	
	For Satin Face And Enameled Return, Add	22.45	
	For Patina Finish, Add	29.94	
	For Color Anodized, Add	37.42	
10 14 19 00-0012	EA 14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	154.37	15.73
	For Installation With Adhesive, Deduct	-14.01	
	For Clear Anodized, Add	9.15	
	For Satin Face And Enameled Return, Add	27.44	
	For Patina Finish, Add	36.59	
	For Color Anodized, Add	45.74	
10 14 19 00-0013	EA 15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	169.70	17.47
	For Installation With Adhesive, Deduct	-15.48	
	For Clear Anodized, Add	9.98	
	For Satin Face And Enameled Return, Add	29.94	
	For Patina Finish, Add	39.92	
	For Color Anodized, Add	49.90	
10 14 19 00-0014	EA 16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	189.12	18.87
	For Installation With Adhesive, Deduct	-17.00	
	For Clear Anodized, Add	11.37	
	For Satin Face And Enameled Return, Add	34.10	
	For Patina Finish, Add	45.46	
	For Color Anodized, Add	56.83	
10 14 19 00-0015	EA 18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	228.00	20.96
	For Installation With Adhesive, Deduct	-19.79	
	For Clear Anodized, Add	14.41	
	For Satin Face And Enameled Return, Add	43.24	
	For Patina Finish, Add	57.66	
	For Color Anodized, Add	72.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0016	EA		20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	274.52 -23.16 18.02 54.05 72.07 90.09	23.58
10 14 19 00-0017	EA		24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	329.35 -26.95 22.45 67.36 89.81 112.27	26.20
<b>10 14 19 00-0018</b>			<b>Satin Finish, Cast Bronze Characters</b> <small>(10 14 19 00-0001)</small>		
10 14 19 00-0019	EA		2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	53.49 -5.56 3.70 7.40	7.21
10 14 19 00-0020	EA		3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	74.91 -6.89 6.52 13.04	7.86
10 14 19 00-0021	EA		4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	81.69 -7.44 7.22 14.45	8.39
10 14 19 00-0022	EA		5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	98.81 -8.71 9.16 18.32	9.43
10 14 19 00-0023	EA		6" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	109.65 -9.52 10.39 20.79	10.06
10 14 19 00-0024	EA		8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	144.78 -11.85 14.80 29.60	11.53
10 14 19 00-0025	EA		9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	164.49 -13.05 17.44 34.88	12.05
10 14 19 00-0026	EA		10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	183.95 -14.44 19.73 39.46	13.10
10 14 19 00-0027	EA		12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	218.18 -16.99 23.61 47.21	15.19
10 14 19 00-0028	EA		14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	255.93 -19.72 28.01 56.02	17.30
10 14 19 00-0029	EA		15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	303.49 -23.56 32.94 65.89	20.96
10 14 19 00-0030	EA		16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	315.65 -24.80 33.83 67.65	22.54
10 14 19 00-0031	EA		18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	444.25 -32.69 50.91 101.83	26.20
10 14 19 00-0032	EA		20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	533.69 -38.48 62.37 124.73	29.48
10 14 19 00-0033	EA		24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	676.53 -47.45 81.04 162.08	34.06
<b>10 14 19 00-0034</b>			<b>Molded Characters</b> <small>(10 14 19)</small> Note: Any font.		
<b>10 14 19 00-0035</b>			<b>Molded Plastic Characters</b> <small>(10 14 19 00-0034)</small>		
10 14 19 00-0036	EA		4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i>	43.18 -4.26	5.24
10 14 19 00-0037	EA		5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i>	46.63 -4.64	5.77
10 14 19 00-0038	EA		6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i>	51.61 -5.10	6.29
10 14 19 00-0039	EA		8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i>	67.92 -6.12	6.82

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0040	EA		9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i>	73.43 -6.61	7.34
10 14 19 00-0041	EA		10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i>	79.65 -7.13	7.86
10 14 19 00-0042	EA		12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i>	92.81 -8.31	9.17
10 14 19 00-0043	EA		15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i>	123.11 -10.77	11.53
10 14 19 00-0044	EA		18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i>	158.29 -13.37	13.62
10 14 19 00-0045	EA		24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i>	239.30 -18.67	16.78
10 14 19 00-0046	EA		30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i>	362.98 -26.01	19.66
10 14 19 00-0047	EA		36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i>	481.27 -33.08	22.54
10 14 19 00-0048	EA		48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i>	917.60 -57.93	30.14
10 14 19 00-0049			<b>Cutout Characters</b> (10 14 19) Note: Any font.		
10 14 19 00-0050			<b>Satin Finish, Aluminum Characters</b> (10 14 19 00-0049)		
10 14 19 00-0051			<b>1/4" Deep, Satin Finish, Aluminum Characters</b> (10 14 19 00-0050)		
10 14 19 00-0052	EA		2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	41.45 -4.69 1.53 5.34 7.63 7.63 11.44	6.56
10 14 19 00-0053	EA		4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	56.73 -5.88 2.63 9.22 13.17 13.17 19.75	7.60
10 14 19 00-0054	EA		6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	75.49 -7.44 3.88 13.58 19.41 19.41 29.11	9.17
10 14 19 00-0055	EA		8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	91.83 -8.78 4.99 17.47 24.95 24.95 37.43	10.48
10 14 19 00-0056	EA		10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	105.37 -9.98 5.82 20.37 29.11 29.11 43.66	11.79
10 14 19 00-0057	EA		12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	121.04 -11.50 6.65 23.29 33.27 33.27 49.90	13.62
10 14 19 00-0058	EA		14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	141.89 -13.38 7.90 27.65 39.50 39.50 59.25	15.73
10 14 19 00-0059	EA		16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	168.33 -15.96 9.29 32.50 46.43 46.43 69.65	18.87
10 14 19 00-0060	EA		18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	189.20 -17.85 10.53 36.87 52.67 52.67 79.01	20.96



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 19 00-0061	EA		20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	226.01	23.58
			<i>For Installation With Adhesive, Deduct</i>	-20.73	
			<i>For Clear Anodized, Add</i>	13.17	
			<i>For Satin Face And Enameled Return, Add</i>	46.08	
			<i>For Color Anodized, Add</i>	65.84	
			<i>For Polished Or Patina Finish, Add</i>	65.84	
			<i>For Polished Anodized Finish, Add</i>	98.75	
10 14 19 00-0062	EA		22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	257.58	24.89
			<i>For Installation With Adhesive, Deduct</i>	-22.84	
			<i>For Clear Anodized, Add</i>	15.80	
			<i>For Satin Face And Enameled Return, Add</i>	55.30	
			<i>For Color Anodized, Add</i>	79.00	
			<i>For Polished Or Patina Finish, Add</i>	79.00	
			<i>For Polished Anodized Finish, Add</i>	118.50	
10 14 19 00-0063	EA		24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	315.49	26.20
			<i>For Installation With Adhesive, Deduct</i>	-26.26	
			<i>For Clear Anodized, Add</i>	21.07	
			<i>For Satin Face And Enameled Return, Add</i>	73.73	
			<i>For Color Anodized, Add</i>	105.34	
			<i>For Polished Or Patina Finish, Add</i>	105.34	
			<i>For Polished Anodized Finish, Add</i>	158.00	
10 14 19 00-0064	EA		30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	446.88	31.45
			<i>For Installation With Adhesive, Deduct</i>	-34.92	
			<i>For Clear Anodized, Add</i>	32.11	
			<i>For Satin Face And Enameled Return, Add</i>	112.38	
			<i>For Color Anodized, Add</i>	160.55	
			<i>For Polished Or Patina Finish, Add</i>	160.55	
			<i>For Polished Anodized Finish, Add</i>	240.82	

**10 14 19 00-0065 3/8" Deep, Satin Finish, Aluminum Characters** (10 14 19 00-0050)

10 14 19 00-0066	EA		2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	51.20	6.56
			<i>For Installation With Adhesive, Deduct</i>	-5.18	
			<i>For Clear Anodized, Add</i>	2.50	
			<i>For Satin Face And Enameled Return, Add</i>	8.75	
			<i>For Color Anodized, Add</i>	12.50	
			<i>For Polished Or Patina Finish, Add</i>	12.50	
			<i>For Polished Anodized Finish, Add</i>	18.75	
10 14 19 00-0067	EA		4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	72.01	7.60
			<i>For Installation With Adhesive, Deduct</i>	-6.64	
			<i>For Clear Anodized, Add</i>	4.16	
			<i>For Satin Face And Enameled Return, Add</i>	14.56	
			<i>For Color Anodized, Add</i>	20.81	
			<i>For Polished Or Patina Finish, Add</i>	20.81	
			<i>For Polished Anodized Finish, Add</i>	31.21	
10 14 19 00-0068	EA		6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	90.62	9.17
			<i>For Installation With Adhesive, Deduct</i>	-8.20	
			<i>For Clear Anodized, Add</i>	5.39	
			<i>For Satin Face And Enameled Return, Add</i>	18.88	
			<i>For Color Anodized, Add</i>	26.97	
			<i>For Polished Or Patina Finish, Add</i>	26.97	
			<i>For Polished Anodized Finish, Add</i>	40.46	
10 14 19 00-0069	EA		8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	112.78	10.48
			<i>For Installation With Adhesive, Deduct</i>	-9.83	
			<i>For Clear Anodized, Add</i>	7.09	
			<i>For Satin Face And Enameled Return, Add</i>	24.80	
			<i>For Color Anodized, Add</i>	35.43	
			<i>For Polished Or Patina Finish, Add</i>	35.43	
			<i>For Polished Anodized Finish, Add</i>	53.14	
10 14 19 00-0070	EA		10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	130.40	11.79
			<i>For Installation With Adhesive, Deduct</i>	-11.24	
			<i>For Clear Anodized, Add</i>	8.32	
			<i>For Satin Face And Enameled Return, Add</i>	29.13	
			<i>For Color Anodized, Add</i>	41.62	
			<i>For Polished Or Patina Finish, Add</i>	41.62	
			<i>For Polished Anodized Finish, Add</i>	62.43	
10 14 19 00-0071	EA		12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	152.97	13.62
			<i>For Installation With Adhesive, Deduct</i>	-13.10	
			<i>For Clear Anodized, Add</i>	9.85	
			<i>For Satin Face And Enameled Return, Add</i>	34.46	
			<i>For Color Anodized, Add</i>	49.23	
			<i>For Polished Or Patina Finish, Add</i>	49.23	
			<i>For Polished Anodized Finish, Add</i>	73.85	
10 14 19 00-0072	EA		14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	179.02	15.73
			<i>For Installation With Adhesive, Deduct</i>	-15.24	
			<i>For Clear Anodized, Add</i>	11.61	
			<i>For Satin Face And Enameled Return, Add</i>	40.65	
			<i>For Color Anodized, Add</i>	58.07	
			<i>For Polished Or Patina Finish, Add</i>	58.07	
			<i>For Polished Anodized Finish, Add</i>	87.10	
10 14 19 00-0073	EA		16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	221.26	18.87
			<i>For Installation With Adhesive, Deduct</i>	-18.61	
			<i>For Clear Anodized, Add</i>	14.58	
			<i>For Satin Face And Enameled Return, Add</i>	51.03	
			<i>For Color Anodized, Add</i>	72.90	
			<i>For Polished Or Patina Finish, Add</i>	72.90	
			<i>For Polished Anodized Finish, Add</i>	109.34	

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0074	EA		18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	255.56	20.96
			<i>For Installation With Adhesive, Deduct</i>	-21.16	
			<i>For Clear Anodized, Add</i>	17.17	
			<i>For Satin Face And Enameled Return, Add</i>	60.10	
			<i>For Color Anodized, Add</i>	85.85	
			<i>For Polished Or Patina Finish, Add</i>	85.85	
			<i>For Polished Anodized Finish, Add</i>	128.78	
10 14 19 00-0075	EA		20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	295.80	23.58
			<i>For Installation With Adhesive, Deduct</i>	-24.22	
			<i>For Clear Anodized, Add</i>	20.15	
			<i>For Satin Face And Enameled Return, Add</i>	70.51	
			<i>For Color Anodized, Add</i>	100.73	
			<i>For Polished Or Patina Finish, Add</i>	100.73	
			<i>For Polished Anodized Finish, Add</i>	151.10	
10 14 19 00-0076	EA		22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	330.27	24.89
			<i>For Installation With Adhesive, Deduct</i>	-26.47	
			<i>For Clear Anodized, Add</i>	23.07	
			<i>For Satin Face And Enameled Return, Add</i>	80.74	
			<i>For Color Anodized, Add</i>	115.35	
			<i>For Polished Or Patina Finish, Add</i>	115.35	
			<i>For Polished Anodized Finish, Add</i>	173.02	
10 14 19 00-0077	EA		24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	366.05	26.20
			<i>For Installation With Adhesive, Deduct</i>	-28.78	
			<i>For Clear Anodized, Add</i>	26.12	
			<i>For Satin Face And Enameled Return, Add</i>	91.43	
			<i>For Color Anodized, Add</i>	130.62	
			<i>For Polished Or Patina Finish, Add</i>	130.62	
			<i>For Polished Anodized Finish, Add</i>	195.92	
10 14 19 00-0078	EA		30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	500.01	31.45
			<i>For Installation With Adhesive, Deduct</i>	-37.58	
			<i>For Clear Anodized, Add</i>	37.42	
			<i>For Satin Face And Enameled Return, Add</i>	130.98	
			<i>For Color Anodized, Add</i>	187.11	
			<i>For Polished Or Patina Finish, Add</i>	187.11	
			<i>For Polished Anodized Finish, Add</i>	280.67	
<b>10 14 19 00-0079</b>			<b>1/2" Deep, Satin Finish, Aluminum Characters</b> <small>(10 14 19 00-0050)</small>		
10 14 19 00-0080	EA		2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	62.49	6.56
			<i>For Installation With Adhesive, Deduct</i>	-5.74	
			<i>For Clear Anodized, Add</i>	3.63	
			<i>For Satin Face And Enameled Return, Add</i>	12.70	
			<i>For Color Anodized, Add</i>	18.15	
			<i>For Polished Or Patina Finish, Add</i>	18.15	
			<i>For Polished Anodized Finish, Add</i>	27.22	
10 14 19 00-0081	EA		4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	80.17	7.60
			<i>For Installation With Adhesive, Deduct</i>	-7.05	
			<i>For Clear Anodized, Add</i>	4.98	
			<i>For Satin Face And Enameled Return, Add</i>	17.42	
			<i>For Color Anodized, Add</i>	24.89	
			<i>For Polished Or Patina Finish, Add</i>	24.89	
			<i>For Polished Anodized Finish, Add</i>	37.33	
10 14 19 00-0082	EA		6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	100.33	9.17
			<i>For Installation With Adhesive, Deduct</i>	-8.68	
			<i>For Clear Anodized, Add</i>	6.37	
			<i>For Satin Face And Enameled Return, Add</i>	22.28	
			<i>For Color Anodized, Add</i>	31.83	
			<i>For Polished Or Patina Finish, Add</i>	31.83	
			<i>For Polished Anodized Finish, Add</i>	47.74	
10 14 19 00-0083	EA		8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	118.27	10.48
			<i>For Installation With Adhesive, Deduct</i>	-10.11	
			<i>For Clear Anodized, Add</i>	7.63	
			<i>For Satin Face And Enameled Return, Add</i>	26.72	
			<i>For Color Anodized, Add</i>	38.17	
			<i>For Polished Or Patina Finish, Add</i>	38.17	
			<i>For Polished Anodized Finish, Add</i>	57.26	
10 14 19 00-0084	EA		10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	137.39	11.79
			<i>For Installation With Adhesive, Deduct</i>	-11.59	
			<i>For Clear Anodized, Add</i>	9.02	
			<i>For Satin Face And Enameled Return, Add</i>	31.58	
			<i>For Color Anodized, Add</i>	45.12	
			<i>For Polished Or Patina Finish, Add</i>	45.12	
			<i>For Polished Anodized Finish, Add</i>	67.67	
10 14 19 00-0085	EA		12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	168.27	13.62
			<i>For Installation With Adhesive, Deduct</i>	-13.86	
			<i>For Clear Anodized, Add</i>	11.38	
			<i>For Satin Face And Enameled Return, Add</i>	39.82	
			<i>For Color Anodized, Add</i>	56.88	
			<i>For Polished Or Patina Finish, Add</i>	56.88	
			<i>For Polished Anodized Finish, Add</i>	85.32	
10 14 19 00-0086	EA		14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	206.67	15.73
			<i>For Installation With Adhesive, Deduct</i>	-16.62	
			<i>For Clear Anodized, Add</i>	14.38	
			<i>For Satin Face And Enameled Return, Add</i>	50.32	
			<i>For Color Anodized, Add</i>	71.89	
			<i>For Polished Or Patina Finish, Add</i>	71.89	
			<i>For Polished Anodized Finish, Add</i>	107.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 19 00-0087	EA	16"	High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	250.05	18.87
			<i>For Installation With Adhesive, Deduct</i>	-20.05	
			<i>For Clear Anodized, Add</i>	17.46	
			<i>For Satin Face And Enameled Return, Add</i>	61.10	
			<i>For Color Anodized, Add</i>	87.29	
			<i>For Polished Or Patina Finish, Add</i>	87.29	
			<i>For Polished Anodized Finish, Add</i>	130.94	
10 14 19 00-0088	EA	18"	High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	301.91	20.96
			<i>For Installation With Adhesive, Deduct</i>	-23.48	
			<i>For Clear Anodized, Add</i>	21.81	
			<i>For Satin Face And Enameled Return, Add</i>	76.32	
			<i>For Color Anodized, Add</i>	109.03	
			<i>For Polished Or Patina Finish, Add</i>	109.03	
			<i>For Polished Anodized Finish, Add</i>	163.54	
10 14 19 00-0089	EA	20"	High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	355.05	23.58
			<i>For Installation With Adhesive, Deduct</i>	-27.19	
			<i>For Clear Anodized, Add</i>	26.07	
			<i>For Satin Face And Enameled Return, Add</i>	91.25	
			<i>For Color Anodized, Add</i>	130.36	
			<i>For Polished Or Patina Finish, Add</i>	130.36	
			<i>For Polished Anodized Finish, Add</i>	195.53	
10 14 19 00-0090	EA	22"	High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	406.11	24.89
			<i>For Installation With Adhesive, Deduct</i>	-30.26	
			<i>For Clear Anodized, Add</i>	30.65	
			<i>For Satin Face And Enameled Return, Add</i>	107.29	
			<i>For Color Anodized, Add</i>	153.27	
			<i>For Polished Or Patina Finish, Add</i>	153.27	
			<i>For Polished Anodized Finish, Add</i>	229.90	
10 14 19 00-0091	EA	24"	High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	454.54	26.20
			<i>For Installation With Adhesive, Deduct</i>	-33.21	
			<i>For Clear Anodized, Add</i>	34.97	
			<i>For Satin Face And Enameled Return, Add</i>	122.40	
			<i>For Color Anodized, Add</i>	174.86	
			<i>For Polished Or Patina Finish, Add</i>	174.86	
			<i>For Polished Anodized Finish, Add</i>	262.29	
10 14 19 00-0092	EA	30"	High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	627.24	31.45
			<i>For Installation With Adhesive, Deduct</i>	-43.94	
			<i>For Clear Anodized, Add</i>	50.15	
			<i>For Satin Face And Enameled Return, Add</i>	175.51	
			<i>For Color Anodized, Add</i>	250.73	
			<i>For Polished Or Patina Finish, Add</i>	250.73	
			<i>For Polished Anodized Finish, Add</i>	376.09	

**10 14 19 00-0093 3/4" Deep, Satin Finish, Aluminum Characters** (10 14 19 00-0050)

10 14 19 00-0094	EA	2"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	65.08	6.56
			<i>For Installation With Adhesive, Deduct</i>	-5.87	
			<i>For Clear Anodized, Add</i>	3.89	
			<i>For Satin Face And Enameled Return, Add</i>	13.61	
			<i>For Color Anodized, Add</i>	19.44	
			<i>For Polished Or Patina Finish, Add</i>	19.44	
			<i>For Polished Anodized Finish, Add</i>	29.16	
10 14 19 00-0095	EA	4"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	83.07	7.60
			<i>For Installation With Adhesive, Deduct</i>	-7.19	
			<i>For Clear Anodized, Add</i>	5.27	
			<i>For Satin Face And Enameled Return, Add</i>	18.43	
			<i>For Color Anodized, Add</i>	26.34	
			<i>For Polished Or Patina Finish, Add</i>	26.34	
			<i>For Polished Anodized Finish, Add</i>	39.50	
10 14 19 00-0096	EA	6"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	108.86	9.17
			<i>For Installation With Adhesive, Deduct</i>	-9.11	
			<i>For Clear Anodized, Add</i>	7.22	
			<i>For Satin Face And Enameled Return, Add</i>	25.26	
			<i>For Color Anodized, Add</i>	36.09	
			<i>For Polished Or Patina Finish, Add</i>	36.09	
			<i>For Polished Anodized Finish, Add</i>	54.14	
10 14 19 00-0097	EA	8"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	143.22	10.48
			<i>For Installation With Adhesive, Deduct</i>	-11.35	
			<i>For Clear Anodized, Add</i>	10.13	
			<i>For Satin Face And Enameled Return, Add</i>	35.45	
			<i>For Color Anodized, Add</i>	50.65	
			<i>For Polished Or Patina Finish, Add</i>	50.65	
			<i>For Polished Anodized Finish, Add</i>	75.97	
10 14 19 00-0098	EA	10"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	178.72	11.79
			<i>For Installation With Adhesive, Deduct</i>	-13.65	
			<i>For Clear Anodized, Add</i>	13.16	
			<i>For Satin Face And Enameled Return, Add</i>	46.05	
			<i>For Color Anodized, Add</i>	65.78	
			<i>For Polished Or Patina Finish, Add</i>	65.78	
			<i>For Polished Anodized Finish, Add</i>	98.67	
10 14 19 00-0099	EA	12"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	223.49	13.62
			<i>For Installation With Adhesive, Deduct</i>	-16.63	
			<i>For Clear Anodized, Add</i>	16.90	
			<i>For Satin Face And Enameled Return, Add</i>	59.14	
			<i>For Color Anodized, Add</i>	84.49	
			<i>For Polished Or Patina Finish, Add</i>	84.49	
			<i>For Polished Anodized Finish, Add</i>	126.74	

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0100	EA		14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	277.78	15.73
			<i>For Installation With Adhesive, Deduct</i>	-20.18	
			<i>For Clear Anodized, Add</i>	21.49	
			<i>For Satin Face And Enameled Return, Add</i>	75.21	
			<i>For Color Anodized, Add</i>	107.45	
			<i>For Polished Or Patina Finish, Add</i>	107.45	
			<i>For Polished Anodized Finish, Add</i>	161.17	
10 14 19 00-0101	EA		16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	342.91	18.87
			<i>For Installation With Adhesive, Deduct</i>	-24.69	
			<i>For Clear Anodized, Add</i>	26.74	
			<i>For Satin Face And Enameled Return, Add</i>	93.60	
			<i>For Color Anodized, Add</i>	133.72	
			<i>For Polished Or Patina Finish, Add</i>	133.72	
			<i>For Polished Anodized Finish, Add</i>	200.58	
10 14 19 00-0102	EA		18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	417.78	20.96
			<i>For Installation With Adhesive, Deduct</i>	-29.28	
			<i>For Clear Anodized, Add</i>	33.39	
			<i>For Satin Face And Enameled Return, Add</i>	116.87	
			<i>For Color Anodized, Add</i>	166.96	
			<i>For Polished Or Patina Finish, Add</i>	166.96	
			<i>For Polished Anodized Finish, Add</i>	250.44	
10 14 19 00-0103	EA		20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	495.93	23.58
			<i>For Installation With Adhesive, Deduct</i>	-34.23	
			<i>For Clear Anodized, Add</i>	40.16	
			<i>For Satin Face And Enameled Return, Add</i>	140.56	
			<i>For Color Anodized, Add</i>	200.80	
			<i>For Polished Or Patina Finish, Add</i>	200.80	
			<i>For Polished Anodized Finish, Add</i>	301.19	
10 14 19 00-0104	EA		22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	573.59	24.89
			<i>For Installation With Adhesive, Deduct</i>	-38.64	
			<i>For Clear Anodized, Add</i>	47.40	
			<i>For Satin Face And Enameled Return, Add</i>	165.90	
			<i>For Color Anodized, Add</i>	237.01	
			<i>For Polished Or Patina Finish, Add</i>	237.01	
			<i>For Polished Anodized Finish, Add</i>	355.51	
10 14 19 00-0105	EA		24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	654.67	26.20
			<i>For Installation With Adhesive, Deduct</i>	-43.22	
			<i>For Clear Anodized, Add</i>	54.99	
			<i>For Satin Face And Enameled Return, Add</i>	192.45	
			<i>For Color Anodized, Add</i>	274.93	
			<i>For Polished Or Patina Finish, Add</i>	274.93	
			<i>For Polished Anodized Finish, Add</i>	412.39	
10 14 19 00-0106	EA		30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	896.68	31.45
			<i>For Installation With Adhesive, Deduct</i>	-57.41	
			<i>For Clear Anodized, Add</i>	77.09	
			<i>For Satin Face And Enameled Return, Add</i>	269.81	
			<i>For Color Anodized, Add</i>	385.45	
			<i>For Polished Or Patina Finish, Add</i>	385.45	
			<i>For Polished Anodized Finish, Add</i>	578.17	
<b>10 14 19 00-0107</b>			<b>1" Deep, Satin Finish, Aluminum Characters</b> <small>(10 14 19 00-0050)</small>		
10 14 19 00-0108	EA		2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	71.94	6.56
			<i>For Installation With Adhesive, Deduct</i>	-6.22	
			<i>For Clear Anodized, Add</i>	4.57	
			<i>For Satin Face And Enameled Return, Add</i>	16.01	
			<i>For Color Anodized, Add</i>	22.87	
			<i>For Polished Or Patina Finish, Add</i>	22.87	
			<i>For Polished Anodized Finish, Add</i>	34.31	
10 14 19 00-0109	EA		4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	88.60	7.60
			<i>For Installation With Adhesive, Deduct</i>	-7.47	
			<i>For Clear Anodized, Add</i>	5.82	
			<i>For Satin Face And Enameled Return, Add</i>	20.37	
			<i>For Color Anodized, Add</i>	29.10	
			<i>For Polished Or Patina Finish, Add</i>	29.10	
			<i>For Polished Anodized Finish, Add</i>	43.65	
10 14 19 00-0110	EA		6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	115.85	9.17
			<i>For Installation With Adhesive, Deduct</i>	-9.46	
			<i>For Clear Anodized, Add</i>	7.92	
			<i>For Satin Face And Enameled Return, Add</i>	27.71	
			<i>For Color Anodized, Add</i>	39.59	
			<i>For Polished Or Patina Finish, Add</i>	39.59	
			<i>For Polished Anodized Finish, Add</i>	59.38	
10 14 19 00-0111	EA		8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	157.19	10.48
			<i>For Installation With Adhesive, Deduct</i>	-12.05	
			<i>For Clear Anodized, Add</i>	11.53	
			<i>For Satin Face And Enameled Return, Add</i>	40.34	
			<i>For Color Anodized, Add</i>	57.63	
			<i>For Polished Or Patina Finish, Add</i>	57.63	
			<i>For Polished Anodized Finish, Add</i>	86.45	
10 14 19 00-0112	EA		10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	211.90	11.79
			<i>For Installation With Adhesive, Deduct</i>	-15.31	
			<i>For Clear Anodized, Add</i>	16.47	
			<i>For Satin Face And Enameled Return, Add</i>	57.66	
			<i>For Color Anodized, Add</i>	82.37	
			<i>For Polished Or Patina Finish, Add</i>	82.37	
			<i>For Polished Anodized Finish, Add</i>	123.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0113	EA		12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	276.05	13.62
			<i>For Installation With Adhesive, Deduct</i>	-19.25	
			<i>For Clear Anodized, Add</i>	22.15	
			<i>For Satin Face And Enameled Return, Add</i>	77.54	
			<i>For Color Anodized, Add</i>	110.77	
			<i>For Polished Or Patina Finish, Add</i>	110.77	
			<i>For Polished Anodized Finish, Add</i>	166.16	
10 14 19 00-0114	EA		14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	348.09	15.73
			<i>For Installation With Adhesive, Deduct</i>	-23.69	
			<i>For Clear Anodized, Add</i>	28.52	
			<i>For Satin Face And Enameled Return, Add</i>	99.82	
			<i>For Color Anodized, Add</i>	142.60	
			<i>For Polished Or Patina Finish, Add</i>	142.60	
			<i>For Polished Anodized Finish, Add</i>	213.90	
10 14 19 00-0115	EA		16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	432.06	18.87
			<i>For Installation With Adhesive, Deduct</i>	-29.15	
			<i>For Clear Anodized, Add</i>	35.66	
			<i>For Satin Face And Enameled Return, Add</i>	124.81	
			<i>For Color Anodized, Add</i>	178.30	
			<i>For Polished Or Patina Finish, Add</i>	178.30	
			<i>For Polished Anodized Finish, Add</i>	267.44	
10 14 19 00-0116	EA		18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	522.06	20.96
			<i>For Installation With Adhesive, Deduct</i>	-34.49	
			<i>For Clear Anodized, Add</i>	43.82	
			<i>For Satin Face And Enameled Return, Add</i>	153.37	
			<i>For Color Anodized, Add</i>	219.10	
			<i>For Polished Or Patina Finish, Add</i>	219.10	
			<i>For Polished Anodized Finish, Add</i>	328.65	
10 14 19 00-0117	EA		20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	640.77	23.58
			<i>For Installation With Adhesive, Deduct</i>	-41.47	
			<i>For Clear Anodized, Add</i>	54.64	
			<i>For Satin Face And Enameled Return, Add</i>	191.25	
			<i>For Color Anodized, Add</i>	273.22	
			<i>For Polished Or Patina Finish, Add</i>	273.22	
			<i>For Polished Anodized Finish, Add</i>	409.82	
10 14 19 00-0118	EA		22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	761.62	24.89
			<i>For Installation With Adhesive, Deduct</i>	-48.04	
			<i>For Clear Anodized, Add</i>	66.20	
			<i>For Satin Face And Enameled Return, Add</i>	231.71	
			<i>For Color Anodized, Add</i>	331.02	
			<i>For Polished Or Patina Finish, Add</i>	331.02	
			<i>For Polished Anodized Finish, Add</i>	496.53	
10 14 19 00-0119	EA		24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	896.95	26.20
			<i>For Installation With Adhesive, Deduct</i>	-55.33	
			<i>For Clear Anodized, Add</i>	79.21	
			<i>For Satin Face And Enameled Return, Add</i>	277.25	
			<i>For Color Anodized, Add</i>	396.07	
			<i>For Polished Or Patina Finish, Add</i>	396.07	
			<i>For Polished Anodized Finish, Add</i>	594.10	
10 14 19 00-0120	EA		30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	1,263.42	31.45
			<i>For Installation With Adhesive, Deduct</i>	-75.75	
			<i>For Clear Anodized, Add</i>	113.76	
			<i>For Satin Face And Enameled Return, Add</i>	398.17	
			<i>For Color Anodized, Add</i>	568.82	
			<i>For Polished Or Patina Finish, Add</i>	568.82	
			<i>For Polished Anodized Finish, Add</i>	853.22	
10 14 19 00-0121			<b>Satin Finish, Brass Characters</b> <small>(10 14 19 00-0049)</small>		
10 14 19 00-0122			<b>1/4" Deep, Satin Finish, Brass Characters</b> <small>(10 14 19 00-0121)</small>		
10 14 19 00-0123	EA		2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	56.51	6.56
			<i>For Installation With Adhesive, Deduct</i>	-5.45	
			<i>For Oxidized Finish, Add</i>	4.55	
			<i>For Polished Finish, Add</i>	9.09	
10 14 19 00-0124	EA		4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	72.58	7.60
			<i>For Installation With Adhesive, Deduct</i>	-6.67	
			<i>For Oxidized Finish, Add</i>	6.33	
			<i>For Polished Finish, Add</i>	12.65	
10 14 19 00-0125	EA		6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	99.47	9.17
			<i>For Installation With Adhesive, Deduct</i>	-8.64	
			<i>For Oxidized Finish, Add</i>	9.42	
			<i>For Polished Finish, Add</i>	18.84	
10 14 19 00-0126	EA		8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	129.62	10.48
			<i>For Installation With Adhesive, Deduct</i>	-10.67	
			<i>For Oxidized Finish, Add</i>	13.15	
			<i>For Polished Finish, Add</i>	26.31	
10 14 19 00-0127	EA		10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	165.16	11.79
			<i>For Installation With Adhesive, Deduct</i>	-12.97	
			<i>For Oxidized Finish, Add</i>	17.70	
			<i>For Polished Finish, Add</i>	35.40	
10 14 19 00-0128	EA		12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	208.23	13.62
			<i>For Installation With Adhesive, Deduct</i>	-15.86	
			<i>For Oxidized Finish, Add</i>	23.06	
			<i>For Polished Finish, Add</i>	46.12	
10 14 19 00-0129	EA		14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	259.91	15.73
			<i>For Installation With Adhesive, Deduct</i>	-19.28	
			<i>For Oxidized Finish, Add</i>	29.55	
			<i>For Polished Finish, Add</i>	59.11	

**10 Specialties****10 10 Information Specialties****10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0130	EA		16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	316.88	18.87
			<i>For Installation With Adhesive, Deduct</i>	-23.39	
			<i>For Oxidized Finish, Add</i>	36.21	
			<i>For Polished Finish, Add</i>	72.42	
10 14 19 00-0131	EA		18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	383.88	20.96
			<i>For Installation With Adhesive, Deduct</i>	-27.58	
			<i>For Oxidized Finish, Add</i>	45.00	
			<i>For Polished Finish, Add</i>	90.01	
10 14 19 00-0132	EA		20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	455.91	23.58
			<i>For Installation With Adhesive, Deduct</i>	-32.23	
			<i>For Oxidized Finish, Add</i>	54.24	
			<i>For Polished Finish, Add</i>	108.47	
10 14 19 00-0133	EA		22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	558.58	24.89
			<i>For Installation With Adhesive, Deduct</i>	-37.89	
			<i>For Oxidized Finish, Add</i>	68.85	
			<i>For Polished Finish, Add</i>	137.70	
10 14 19 00-0134	EA		24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	612.07	26.20
			<i>For Installation With Adhesive, Deduct</i>	-41.09	
			<i>For Oxidized Finish, Add</i>	76.09	
			<i>For Polished Finish, Add</i>	152.18	
10 14 19 00-0135	EA		30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	916.72	31.45
			<i>For Installation With Adhesive, Deduct</i>	-58.42	
			<i>For Oxidized Finish, Add</i>	118.64	
			<i>For Polished Finish, Add</i>	237.28	
<b>10 14 19 00-0136</b>			<b>3/8" Deep, Satin Finish, Brass Characters</b> <small>(10 14 19 00-0121)</small>		
10 14 19 00-0137	EA		2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	67.12	6.56
			<i>For Installation With Adhesive, Deduct</i>	-5.98	
			<i>For Oxidized Finish, Add</i>	6.14	
			<i>For Polished Finish, Add</i>	12.28	
10 14 19 00-0138	EA		4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	87.34	7.60
			<i>For Installation With Adhesive, Deduct</i>	-7.41	
			<i>For Oxidized Finish, Add</i>	8.54	
			<i>For Polished Finish, Add</i>	17.08	
10 14 19 00-0139	EA		6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	124.58	9.17
			<i>For Installation With Adhesive, Deduct</i>	-9.90	
			<i>For Oxidized Finish, Add</i>	13.19	
			<i>For Polished Finish, Add</i>	26.37	
10 14 19 00-0140	EA		8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	164.69	10.48
			<i>For Installation With Adhesive, Deduct</i>	-12.43	
			<i>For Oxidized Finish, Add</i>	18.41	
			<i>For Polished Finish, Add</i>	36.83	
10 14 19 00-0141	EA		10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	218.26	11.79
			<i>For Installation With Adhesive, Deduct</i>	-15.63	
			<i>For Oxidized Finish, Add</i>	25.67	
			<i>For Polished Finish, Add</i>	51.33	
10 14 19 00-0142	EA		12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	277.41	13.62
			<i>For Installation With Adhesive, Deduct</i>	-19.32	
			<i>For Oxidized Finish, Add</i>	33.44	
			<i>For Polished Finish, Add</i>	66.87	
10 14 19 00-0143	EA		14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	348.57	15.73
			<i>For Installation With Adhesive, Deduct</i>	-23.72	
			<i>For Oxidized Finish, Add</i>	42.85	
			<i>For Polished Finish, Add</i>	85.70	
10 14 19 00-0144	EA		16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	413.44	18.87
			<i>For Installation With Adhesive, Deduct</i>	-28.22	
			<i>For Oxidized Finish, Add</i>	50.70	
			<i>For Polished Finish, Add</i>	101.39	
10 14 19 00-0145	EA		18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	518.89	20.96
			<i>For Installation With Adhesive, Deduct</i>	-34.33	
			<i>For Oxidized Finish, Add</i>	65.25	
			<i>For Polished Finish, Add</i>	130.51	
10 14 19 00-0146	EA		20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	600.54	23.58
			<i>For Installation With Adhesive, Deduct</i>	-39.46	
			<i>For Oxidized Finish, Add</i>	75.93	
			<i>For Polished Finish, Add</i>	151.86	
10 14 19 00-0147	EA		22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	737.59	24.89
			<i>For Installation With Adhesive, Deduct</i>	-46.84	
			<i>For Oxidized Finish, Add</i>	95.70	
			<i>For Polished Finish, Add</i>	191.40	
10 14 19 00-0148	EA		24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	840.33	26.20
			<i>For Installation With Adhesive, Deduct</i>	-52.50	
			<i>For Oxidized Finish, Add</i>	110.33	
			<i>For Polished Finish, Add</i>	220.65	
10 14 19 00-0149	EA		30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	1,161.91	31.45
			<i>For Installation With Adhesive, Deduct</i>	-70.67	
			<i>For Oxidized Finish, Add</i>	155.42	
			<i>For Polished Finish, Add</i>	310.84	
<b>10 14 19 00-0150</b>			<b>1/2" Deep, Satin Finish, Brass Characters</b> <small>(10 14 19 00-0121)</small>		
10 14 19 00-0151	EA		2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	83.79	6.56
			<i>For Installation With Adhesive, Deduct</i>	-6.81	
			<i>For Oxidized Finish, Add</i>	8.64	
			<i>For Polished Finish, Add</i>	17.28	
10 14 19 00-0152	EA		4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	108.43	7.60
			<i>For Installation With Adhesive, Deduct</i>	-8.46	
			<i>For Oxidized Finish, Add</i>	11.70	
			<i>For Polished Finish, Add</i>	23.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 19 00-0153	EA		6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	155.98 -11.47 17.90 35.79	9.17
10 14 19 00-0154	EA		8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	212.92 -14.84 25.65 51.30	10.48
10 14 19 00-0155	EA		10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	294.95 -19.46 37.17 74.34	11.79
10 14 19 00-0156	EA		12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	392.70 -25.09 50.73 101.46	13.62
10 14 19 00-0157	EA		14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	486.49 -30.61 63.54 127.08	15.73
10 14 19 00-0158	EA		16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	580.01 -36.55 75.68 151.36	18.87
10 14 19 00-0159	EA		18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	788.91 -47.83 105.76 211.52	20.96
10 14 19 00-0160	EA		20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	889.79 -53.92 119.32 238.64	23.58
10 14 19 00-0161	EA		22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,109.38 -65.43 151.47 302.94	24.89
10 14 19 00-0162	EA		24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,296.86 -75.33 178.81 357.61	26.20
10 14 19 00-0163	EA		30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,952.83 -110.22 274.06 548.11	31.45

**10 14 19 00-0164 3/4" Deep, Satin Finish, Brass Characters** (10 14 19 00-0121)

10 14 19 00-0165	EA		2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	101.98 -7.72 11.37 22.73	6.56
10 14 19 00-0166	EA		4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	142.17 -10.15 16.77 33.53	7.60
10 14 19 00-0167	EA		6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	193.65 -13.35 23.55 47.09	9.17
10 14 19 00-0168	EA		8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	261.15 -17.25 32.88 65.77	10.48
10 14 19 00-0169	EA		10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	353.95 -22.41 46.02 92.04	11.79
10 14 19 00-0170	EA		12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	484.93 -29.70 64.56 129.13	13.62
10 14 19 00-0171	EA		14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	604.70 -36.52 81.27 162.54	15.73
10 14 19 00-0172	EA		16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	705.54 -42.82 94.51 189.02	18.87
10 14 19 00-0173	EA		18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	938.92 -55.33 128.26 256.52	20.96
10 14 19 00-0174	EA		20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,027.19 -60.79 139.93 279.86	23.58

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0175	EA		22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	1,302.16	24.89
			<i>For Installation With Adhesive, Deduct</i>	-75.07	
			<i>For Oxidized Finish, Add</i>	180.39	
			<i>For Polished Finish, Add</i>	360.77	
10 14 19 00-0176	EA		24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	1,651.93	26.20
			<i>For Installation With Adhesive, Deduct</i>	-93.08	
			<i>For Oxidized Finish, Add</i>	232.07	
			<i>For Polished Finish, Add</i>	464.13	
10 14 19 00-0177	EA		30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	2,490.66	31.45
			<i>For Installation With Adhesive, Deduct</i>	-137.11	
			<i>For Oxidized Finish, Add</i>	354.73	
			<i>For Polished Finish, Add</i>	709.46	
10 14 19 00-0178			<b>Satin Finish, Bronze Characters</b> (10 14 19 00-0049)		
10 14 19 00-0179			<b>1/4" Deep, Satin Finish, Bronze Characters</b> (10 14 19 00-0178)		
10 14 19 00-0180	EA		2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	58.17	6.56
			<i>For Installation With Adhesive, Deduct</i>	-5.53	
			<i>For Oxidized Finish, Add</i>	4.80	
			<i>For Polished Or Patina Finish, Add</i>	9.59	
10 14 19 00-0181	EA		4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	74.93	7.60
			<i>For Installation With Adhesive, Deduct</i>	-6.79	
			<i>For Oxidized Finish, Add</i>	6.68	
			<i>For Polished Or Patina Finish, Add</i>	13.36	
10 14 19 00-0182	EA		6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	102.91	9.17
			<i>For Installation With Adhesive, Deduct</i>	-8.81	
			<i>For Oxidized Finish, Add</i>	9.93	
			<i>For Polished Or Patina Finish, Add</i>	19.87	
10 14 19 00-0183	EA		8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	134.42	10.48
			<i>For Installation With Adhesive, Deduct</i>	-10.91	
			<i>For Oxidized Finish, Add</i>	13.87	
			<i>For Polished Or Patina Finish, Add</i>	27.75	
10 14 19 00-0184	EA		10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	171.62	11.79
			<i>For Installation With Adhesive, Deduct</i>	-13.30	
			<i>For Oxidized Finish, Add</i>	18.67	
			<i>For Polished Or Patina Finish, Add</i>	37.34	
10 14 19 00-0185	EA		12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	216.65	13.62
			<i>For Installation With Adhesive, Deduct</i>	-16.28	
			<i>For Oxidized Finish, Add</i>	24.32	
			<i>For Polished Or Patina Finish, Add</i>	48.64	
10 14 19 00-0186	EA		14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	270.71	15.73
			<i>For Installation With Adhesive, Deduct</i>	-19.82	
			<i>For Oxidized Finish, Add</i>	31.17	
			<i>For Polished Or Patina Finish, Add</i>	62.35	
10 14 19 00-0187	EA		16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	335.81	18.87
			<i>For Installation With Adhesive, Deduct</i>	-24.34	
			<i>For Oxidized Finish, Add</i>	39.05	
			<i>For Polished Or Patina Finish, Add</i>	78.10	
10 14 19 00-0188	EA		18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	401.30	20.96
			<i>For Installation With Adhesive, Deduct</i>	-28.45	
			<i>For Oxidized Finish, Add</i>	47.62	
			<i>For Polished Or Patina Finish, Add</i>	95.23	
10 14 19 00-0189	EA		20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	475.72	23.58
			<i>For Installation With Adhesive, Deduct</i>	-33.22	
			<i>For Oxidized Finish, Add</i>	57.21	
			<i>For Polished Or Patina Finish, Add</i>	114.41	
10 14 19 00-0190	EA		22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	554.04	24.89
			<i>For Installation With Adhesive, Deduct</i>	-37.66	
			<i>For Oxidized Finish, Add</i>	68.17	
			<i>For Polished Or Patina Finish, Add</i>	136.34	
10 14 19 00-0191	EA		24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	640.35	26.20
			<i>For Installation With Adhesive, Deduct</i>	-42.50	
			<i>For Oxidized Finish, Add</i>	80.33	
			<i>For Polished Or Patina Finish, Add</i>	160.66	
10 14 19 00-0192	EA		30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	968.48	31.45
			<i>For Installation With Adhesive, Deduct</i>	-61.00	
			<i>For Oxidized Finish, Add</i>	126.40	
			<i>For Polished Or Patina Finish, Add</i>	252.81	
10 14 19 00-0193			<b>3/8" Deep, Satin Finish, Bronze Characters</b> (10 14 19 00-0178)		
10 14 19 00-0194	EA		2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	68.40	6.56
			<i>For Installation With Adhesive, Deduct</i>	-6.04	
			<i>For Oxidized Finish, Add</i>	6.33	
			<i>For Polished Or Patina Finish, Add</i>	12.66	
10 14 19 00-0195	EA		4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	88.74	7.60
			<i>For Installation With Adhesive, Deduct</i>	-7.48	
			<i>For Oxidized Finish, Add</i>	8.75	
			<i>For Polished Or Patina Finish, Add</i>	17.50	
10 14 19 00-0196	EA		6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	128.07	9.17
			<i>For Installation With Adhesive, Deduct</i>	-10.07	
			<i>For Oxidized Finish, Add</i>	13.71	
			<i>For Polished Or Patina Finish, Add</i>	27.42	
10 14 19 00-0197	EA		8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	168.64	10.48
			<i>For Installation With Adhesive, Deduct</i>	-12.63	
			<i>For Oxidized Finish, Add</i>	19.01	
			<i>For Polished Or Patina Finish, Add</i>	38.01	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 19 00-0198	EA		10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	227.63 -16.10 27.07 54.14	11.79
10 14 19 00-0199	EA		12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	288.00 -19.85 35.02 70.05	13.62
10 14 19 00-0200	EA		14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	360.07 -24.29 44.58 89.15	15.73
10 14 19 00-0201	EA		16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	445.16 -29.81 55.45 110.91	18.87
10 14 19 00-0202	EA		18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	537.79 -35.28 68.09 136.18	20.96
10 14 19 00-0203	EA		20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	639.71 -41.42 81.81 163.61	23.58
10 14 19 00-0204	EA		22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	749.46 -47.43 97.48 194.96	24.89
10 14 19 00-0205	EA		24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	849.21 -52.94 111.66 223.32	26.20
10 14 19 00-0206	EA		30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	1,162.30 -70.69 155.48 310.95	31.45

**10 14 19 00-0207 1/2" Deep, Satin Finish, Bronze Characters** (10 14 19 00-0178)

10 14 19 00-0208	EA		2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	70.64 -6.15 6.67 13.33	6.56
10 14 19 00-0209	EA		4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	104.77 -8.28 11.16 22.31	7.60
10 14 19 00-0210	EA		6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	148.61 -11.10 16.79 33.58	9.17
10 14 19 00-0211	EA		8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	203.79 -14.38 24.28 48.56	10.48
10 14 19 00-0212	EA		10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	277.42 -18.59 34.54 69.08	11.79
10 14 19 00-0213	EA		12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	377.18 -24.31 48.40 96.80	13.62
10 14 19 00-0214	EA		14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	488.92 -30.74 63.90 127.81	15.73
10 14 19 00-0215	EA		16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	611.78 -38.14 80.45 160.89	18.87
10 14 19 00-0216	EA		18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	750.48 -45.91 99.99 199.99	20.96
10 14 19 00-0217	EA		20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	899.05 -54.39 120.71 241.41	23.58
10 14 19 00-0218	EA		22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	1,063.04 -63.11 144.52 289.04	24.89
10 14 19 00-0219	EA		24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	1,234.79 -72.22 169.50 338.99	26.20

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0220	EA		30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	1,726.91 -98.92 240.17 480.34	31.45
<b>10 14 19 00-0221</b>			<b>Satin Finish, Copper Characters</b> <small>(10 14 19 00-0049)</small>		
<b>10 14 19 00-0222</b>			<b>1/4" Deep, Satin Finish, Copper Characters</b> <small>(10 14 19 00-0221)</small>		
10 14 19 00-0223	EA		2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	56.51 -5.45 9.09	6.56
10 14 19 00-0224	EA		4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	73.70 -6.73 12.99	7.60
10 14 19 00-0225	EA		6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	103.80 -8.86 20.14	9.17
10 14 19 00-0226	EA		8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	137.19 -11.05 28.58	10.48
10 14 19 00-0227	EA		10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	173.82 -13.41 38.00	11.79
10 14 19 00-0228	EA		12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	221.22 -16.51 50.01	13.62
10 14 19 00-0229	EA		14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	277.23 -20.15 64.30	15.73
10 14 19 00-0230	EA		16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	341.78 -24.64 79.89	18.87
10 14 19 00-0231	EA		18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	409.71 -28.87 97.76	20.96
10 14 19 00-0232	EA		20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	485.14 -33.69 117.24	23.58
10 14 19 00-0233	EA		22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	566.17 -38.27 139.98	24.89
10 14 19 00-0234	EA		24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	653.67 -43.17 164.66	26.20
10 14 19 00-0235	EA		30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	938.21 -59.49 243.73	31.45
<b>10 14 19 00-0236</b>			<b>3/8" Deep, Satin Finish, Copper Characters</b> <small>(10 14 19 00-0221)</small>		
10 14 19 00-0237	EA		2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	64.09 -5.82 11.37	6.56
10 14 19 00-0238	EA		4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	86.69 -7.37 16.89	7.60
10 14 19 00-0239	EA		6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	127.29 -10.03 27.18	9.17
10 14 19 00-0240	EA		8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	175.30 -12.96 40.01	10.48
10 14 19 00-0241	EA		10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	237.15 -16.57 57.00	11.79
10 14 19 00-0242	EA		12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	296.24 -20.26 72.52	13.62
10 14 19 00-0243	EA		14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	373.69 -24.97 93.24	15.73
10 14 19 00-0244	EA		16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	461.61 -30.63 115.84	18.87
10 14 19 00-0245	EA		18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	556.34 -36.20 141.74	20.96
10 14 19 00-0246	EA		20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	661.00 -42.48 170.00	23.58
10 14 19 00-0247	EA		22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	776.13 -48.76 202.97	24.89
10 14 19 00-0248	EA		24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	873.21 -54.14 230.52	26.20
10 14 19 00-0249	EA		30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	1,222.56 -73.71 329.03	31.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 19 00-0250			Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0251			1/4" Deep, Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0250)</small>		
10 14 19 00-0252	EA		2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	54.47	6.56
			<i>For Installation With Adhesive, Deduct</i>	-5.34	
			<i>For Polished Finish, Add</i>	8.48	
10 14 19 00-0253	EA		4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	71.39	7.60
			<i>For Installation With Adhesive, Deduct</i>	-6.61	
			<i>For Polished Finish, Add</i>	12.30	
10 14 19 00-0254	EA		6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	91.80	9.17
			<i>For Installation With Adhesive, Deduct</i>	-8.26	
			<i>For Polished Finish, Add</i>	16.54	
10 14 19 00-0255	EA		8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	118.26	10.48
			<i>For Installation With Adhesive, Deduct</i>	-10.11	
			<i>For Polished Finish, Add</i>	22.90	
10 14 19 00-0256	EA		10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	144.69	11.79
			<i>For Installation With Adhesive, Deduct</i>	-11.95	
			<i>For Polished Finish, Add</i>	29.26	
10 14 19 00-0257	EA		12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	177.48	13.62
			<i>For Installation With Adhesive, Deduct</i>	-14.33	
			<i>For Polished Finish, Add</i>	36.89	
10 14 19 00-0258	EA		14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	212.71	15.73
			<i>For Installation With Adhesive, Deduct</i>	-16.92	
			<i>For Polished Finish, Add</i>	44.95	
10 14 19 00-0259	EA		16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	254.98	18.87
			<i>For Installation With Adhesive, Deduct</i>	-20.30	
			<i>For Polished Finish, Add</i>	53.85	
10 14 19 00-0260	EA		18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	297.29	20.96
			<i>For Installation With Adhesive, Deduct</i>	-23.25	
			<i>For Polished Finish, Add</i>	64.03	
10 14 19 00-0261	EA		20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	347.34	23.58
			<i>For Installation With Adhesive, Deduct</i>	-26.80	
			<i>For Polished Finish, Add</i>	75.90	
10 14 19 00-0262	EA		22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	403.47	24.89
			<i>For Installation With Adhesive, Deduct</i>	-30.13	
			<i>For Polished Finish, Add</i>	91.17	
10 14 19 00-0263	EA		24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	461.01	26.20
			<i>For Installation With Adhesive, Deduct</i>	-33.53	
			<i>For Polished Finish, Add</i>	106.86	
10 14 19 00-0264	EA		30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	631.80	31.45
			<i>For Installation With Adhesive, Deduct</i>	-44.17	
			<i>For Polished Finish, Add</i>	151.80	
10 14 19 00-0265			3/8" Deep, Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0250)</small>		
10 14 19 00-0266	EA		2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	64.36	6.56
			<i>For Installation With Adhesive, Deduct</i>	-5.84	
			<i>For Polished Finish, Add</i>	11.45	
10 14 19 00-0267	EA		4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	85.74	7.60
			<i>For Installation With Adhesive, Deduct</i>	-7.33	
			<i>For Polished Finish, Add</i>	16.60	
10 14 19 00-0268	EA		6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	109.99	9.17
			<i>For Installation With Adhesive, Deduct</i>	-9.17	
			<i>For Polished Finish, Add</i>	21.99	
10 14 19 00-0269	EA		8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	140.39	10.48
			<i>For Installation With Adhesive, Deduct</i>	-11.21	
			<i>For Polished Finish, Add</i>	29.54	
10 14 19 00-0270	EA		10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	172.97	11.79
			<i>For Installation With Adhesive, Deduct</i>	-13.36	
			<i>For Polished Finish, Add</i>	37.74	
10 14 19 00-0271	EA		12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	213.14	13.62
			<i>For Installation With Adhesive, Deduct</i>	-16.11	
			<i>For Polished Finish, Add</i>	47.59	
10 14 19 00-0272	EA		14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	256.16	15.73
			<i>For Installation With Adhesive, Deduct</i>	-19.10	
			<i>For Polished Finish, Add</i>	57.98	
10 14 19 00-0273	EA		16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	307.03	18.87
			<i>For Installation With Adhesive, Deduct</i>	-22.90	
			<i>For Polished Finish, Add</i>	69.47	
10 14 19 00-0274	EA		18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	357.05	20.96
			<i>For Installation With Adhesive, Deduct</i>	-26.24	
			<i>For Polished Finish, Add</i>	81.96	
10 14 19 00-0275	EA		20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	418.19	23.58
			<i>For Installation With Adhesive, Deduct</i>	-30.34	
			<i>For Polished Finish, Add</i>	97.16	
10 14 19 00-0276	EA		22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	470.32	24.89
			<i>For Installation With Adhesive, Deduct</i>	-33.47	
			<i>For Polished Finish, Add</i>	111.22	
10 14 19 00-0277	EA		24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	539.37	26.20
			<i>For Installation With Adhesive, Deduct</i>	-37.45	
			<i>For Polished Finish, Add</i>	130.37	
10 14 19 00-0278	EA		30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	743.12	31.45
			<i>For Installation With Adhesive, Deduct</i>	-49.74	
			<i>For Polished Finish, Add</i>	185.20	
10 14 19 00-0279			1/2" Deep, Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0250)</small>		

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0280	EA		2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs .....77.08	77.08	6.56
			<i>For Installation With Adhesive, Deduct</i>	-6.47	
			<i>For Polished Finish, Add</i>	15.26	
10 14 19 00-0281	EA		4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs .....104.18	104.18	7.60
			<i>For Installation With Adhesive, Deduct</i>	-8.25	
			<i>For Polished Finish, Add</i>	22.13	
10 14 19 00-0282	EA		6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs .....134.25	134.25	9.17
			<i>For Installation With Adhesive, Deduct</i>	-10.38	
			<i>For Polished Finish, Add</i>	29.27	
10 14 19 00-0283	EA		8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs .....176.26	176.26	10.48
			<i>For Installation With Adhesive, Deduct</i>	-13.01	
			<i>For Polished Finish, Add</i>	40.30	
10 14 19 00-0284	EA		10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs .....218.81	218.81	11.79
			<i>For Installation With Adhesive, Deduct</i>	-15.66	
			<i>For Polished Finish, Add</i>	51.50	
10 14 19 00-0285	EA		12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs .....270.94	270.94	13.62
			<i>For Installation With Adhesive, Deduct</i>	-19.00	
			<i>For Polished Finish, Add</i>	64.93	
10 14 19 00-0286	EA		14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs .....326.58	326.58	15.73
			<i>For Installation With Adhesive, Deduct</i>	-22.62	
			<i>For Polished Finish, Add</i>	79.11	
10 14 19 00-0287	EA		16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs .....391.40	391.40	18.87
			<i>For Installation With Adhesive, Deduct</i>	-27.12	
			<i>For Polished Finish, Add</i>	94.78	
10 14 19 00-0288	EA		18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs .....465.90	465.90	20.96
			<i>For Installation With Adhesive, Deduct</i>	-31.68	
			<i>For Polished Finish, Add</i>	114.61	
10 14 19 00-0289	EA		20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs .....547.22	547.22	23.58
			<i>For Installation With Adhesive, Deduct</i>	-36.80	
			<i>For Polished Finish, Add</i>	135.86	
10 14 19 00-0290	EA		22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs .....613.15	613.15	24.89
			<i>For Installation With Adhesive, Deduct</i>	-40.62	
			<i>For Polished Finish, Add</i>	154.07	
10 14 19 00-0291	EA		24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs .....706.77	706.77	26.20
			<i>For Installation With Adhesive, Deduct</i>	-45.82	
			<i>For Polished Finish, Add</i>	180.59	
10 14 19 00-0292	EA		30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs .....980.95	980.95	31.45
			<i>For Installation With Adhesive, Deduct</i>	-61.63	
			<i>For Polished Finish, Add</i>	256.55	

**10 14 23 Panel Signage (10 14)**

**10 14 23 11 Panel Signage (10 14 23)**

**10 14 23 11-0001 Indoor/Outdoor Signs (10 14 23 11)**

Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.

**10 14 23 11-0002 Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0001)**

**10 14 23 11-0003 Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0002)**

Note: Multi-color with words, symbols and graphics.

10 14 23 11-0004	EA		Up To 25 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign .....28.62	28.62	9.43
			<i>For &gt;25 To 50, Deduct</i>	-0.98	
			<i>For &gt;50 To 100, Deduct</i>	-2.44	
			<i>For &gt;100, Deduct</i>	-2.93	
			<i>For Clear Glass Mount, Add</i>	7.82	
			<i>For Glow-In-Dark, Add</i>	19.54	
			<i>For Reflective Finish, Add</i>	21.98	
10 14 23 11-0005	EA		>25 To 50 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign .....35.60	35.60	9.43
			<i>For &gt;25 To 50, Deduct</i>	-1.68	
			<i>For &gt;50 To 100, Deduct</i>	-4.19	
			<i>For &gt;100, Deduct</i>	-5.03	
			<i>For Clear Glass Mount, Add</i>	13.40	
			<i>For Glow-In-Dark, Add</i>	33.50	
			<i>For Reflective Finish, Add</i>	37.69	
10 14 23 11-0006	EA		>50 To 100 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign .....46.77	46.77	9.43
			<i>For &gt;25 To 50, Deduct</i>	-2.79	
			<i>For &gt;50 To 100, Deduct</i>	-6.98	
			<i>For &gt;100, Deduct</i>	-8.38	
			<i>For Clear Glass Mount, Add</i>	22.34	
			<i>For Glow-In-Dark, Add</i>	55.84	
			<i>For Reflective Finish, Add</i>	62.82	
10 14 23 11-0007	EA		>100 To 250 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign .....60.73	60.73	9.43
			<i>For &gt;25 To 50, Deduct</i>	-4.19	
			<i>For &gt;50 To 100, Deduct</i>	-10.47	
			<i>For &gt;100, Deduct</i>	-12.56	
			<i>For Clear Glass Mount, Add</i>	33.50	
			<i>For Glow-In-Dark, Add</i>	83.76	
			<i>For Reflective Finish, Add</i>	94.23	
10 14 23 11-0008	EA		>250 To 500 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign .....85.86	85.86	9.43
			<i>For &gt;25 To 50, Deduct</i>	-6.70	
			<i>For &gt;50 To 100, Deduct</i>	-16.75	
			<i>For &gt;100, Deduct</i>	-20.10	
			<i>For Clear Glass Mount, Add</i>	53.61	
			<i>For Glow-In-Dark, Add</i>	134.02	
			<i>For Reflective Finish, Add</i>	150.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 23 11-0009	EA		>500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	130.53	9.43
			<i>For &gt;25 To 50, Deduct</i>	-11.17	
			<i>For &gt;50 To 100, Deduct</i>	-27.92	
			<i>For &gt;100, Deduct</i>	-33.50	
			<i>For Clear Glass Mount, Add</i>	89.34	
			<i>For Glow-In-Dark, Add</i>	223.36	
			<i>For Reflective Finish, Add</i>	251.28	
10 14 23 11-0010	EA		>750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	186.37	9.43
			<i>For &gt;25 To 50, Deduct</i>	-16.75	
			<i>For &gt;50 To 100, Deduct</i>	-41.88	
			<i>For &gt;100, Deduct</i>	-50.26	
			<i>For Clear Glass Mount, Add</i>	134.02	
			<i>For Glow-In-Dark, Add</i>	335.04	
			<i>For Reflective Finish, Add</i>	376.92	
10 14 23 11-0011	SI		>1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	0.21	0.01
			<i>For Clear Glass Mount, Add</i>	0.15	
			<i>For Glow-In-Dark, Add</i>	0.38	
			<i>For Reflective Finish, Add</i>	0.43	

**10 14 23 11-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs**

(10 14 23 11-0002)

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 11-0013	EA		Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	31.41	9.43
			<i>For &gt;25 To 50, Deduct</i>	-1.26	
			<i>For &gt;50 To 100, Deduct</i>	-3.14	
			<i>For &gt;100, Deduct</i>	-3.77	
			<i>For Glow-In-Dark, Add</i>	25.12	
			<i>For Reflective Finish, Add</i>	27.00	
10 14 23 11-0014	EA		>25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign .....	38.39	9.43
			<i>For &gt;25 To 50, Deduct</i>	-1.95	
			<i>For &gt;50 To 100, Deduct</i>	-4.89	
			<i>For &gt;100, Deduct</i>	-5.86	
			<i>For Glow-In-Dark, Add</i>	39.08	
			<i>For Reflective Finish, Add</i>	42.01	
10 14 23 11-0015	EA		>50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign .....	52.35	9.43
			<i>For &gt;25 To 50, Deduct</i>	-3.35	
			<i>For &gt;50 To 100, Deduct</i>	-8.38	
			<i>For &gt;100, Deduct</i>	-10.05	
			<i>For Glow-In-Dark, Add</i>	67.00	
			<i>For Reflective Finish, Add</i>	72.03	
10 14 23 11-0016	EA		>100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign .....	66.31	9.43
			<i>For &gt;25 To 50, Deduct</i>	-4.75	
			<i>For &gt;50 To 100, Deduct</i>	-11.87	
			<i>For &gt;100, Deduct</i>	-14.24	
			<i>For Glow-In-Dark, Add</i>	94.92	
			<i>For Reflective Finish, Add</i>	102.04	
10 14 23 11-0017	EA		>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign .....	87.25	9.43
			<i>For &gt;25 To 50, Deduct</i>	-6.84	
			<i>For &gt;50 To 100, Deduct</i>	-17.10	
			<i>For &gt;100, Deduct</i>	-20.52	
			<i>For Glow-In-Dark, Add</i>	136.80	
			<i>For Reflective Finish, Add</i>	147.06	
10 14 23 11-0018	EA		>500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign .....	108.19	9.43
			<i>For &gt;25 To 50, Deduct</i>	-8.93	
			<i>For &gt;50 To 100, Deduct</i>	-22.34	
			<i>For &gt;100, Deduct</i>	-26.80	
			<i>For Glow-In-Dark, Add</i>	178.68	
			<i>For Reflective Finish, Add</i>	192.08	
10 14 23 11-0019	EA		>750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign .....	130.53	9.43
			<i>For &gt;25 To 50, Deduct</i>	-11.17	
			<i>For &gt;50 To 100, Deduct</i>	-27.92	
			<i>For &gt;100, Deduct</i>	-33.50	
			<i>For Glow-In-Dark, Add</i>	223.36	
			<i>For Reflective Finish, Add</i>	240.11	
10 14 23 11-0020	SI		>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	0.14	0.01
			<i>For Glow-In-Dark, Add</i>	0.24	
			<i>For Reflective Finish, Add</i>	0.26	

**10 14 23 11-0021 Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille** (10 14 23 11-0002)

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

10 14 23 11-0022	EA		Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille .....	52.35	9.43
			<i>For &gt;25 To 50, Deduct</i>	-3.35	
			<i>For &gt;50 To 100, Deduct</i>	-8.38	
			<i>For &gt;100, Deduct</i>	-10.05	
			<i>For Molded Plastic Frame, Add</i>	15.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	23.00	
			<i>For 2" Height Slider Channel For Custom Inserts, Add</i>	35.00	
10 14 23 11-0023	EA		>25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	60.73	9.43
			<i>For &gt;25 To 50, Deduct</i>	-4.19	
			<i>For &gt;50 To 100, Deduct</i>	-10.47	
			<i>For &gt;100, Deduct</i>	-12.56	
			<i>For Molded Plastic Frame, Add</i>	17.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	28.00	
			<i>For 2" Height Slider Channel For Custom Inserts, Add</i>	35.00	

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0024	EA	>50 To 75 Sl, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	74.69	9.43	
		<i>For &gt;25 To 50, Deduct</i>	-5.58		
		<i>For &gt;50 To 100, Deduct</i>	-13.96		
		<i>For &gt;100, Deduct</i>	-16.75		
		<i>For Molded Plastic Frame, Add</i>	19.00		
		<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	31.00		
10 14 23 11-0025	EA	>75 To 100 Sl, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	87.81	9.43	
		<i>For &gt;25 To 50, Deduct</i>	-6.90		
		<i>For &gt;50 To 100, Deduct</i>	-17.24		
		<i>For &gt;100, Deduct</i>	-20.69		
		<i>For Molded Plastic Frame, Add</i>	21.00		
		<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	35.00		
10 14 23 11-0026	SI	>100 Sl, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	0.97	0.09	
		<i>For Molded Plastic Frame, Add</i>	0.20		
		<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	0.31		
<b>10 14 23 11-0027 Engraved Steel, Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0002)</b>					
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.					
10 14 23 11-0028	EA	Up To 25 Sl, Engraved Steel, Surface Mount, Indoor/Outdoor Sign .....	71.90	9.43	
		<i>For &gt;25 To 50, Deduct</i>	-5.31		
		<i>For &gt;50 To 100, Deduct</i>	-13.26		
		<i>For &gt;100, Deduct</i>	-15.92		
		<i>For Molded Plastic Frame, Add</i>	15.00		
10 14 23 11-0029	EA	>25 To 50 Sl, Engraved Steel, Surface Mount, Indoor/Outdoor Sign.....	88.65	9.43	
		<i>For &gt;25 To 50, Deduct</i>	-6.98		
		<i>For &gt;50 To 100, Deduct</i>	-17.45		
		<i>For &gt;100, Deduct</i>	-20.94		
		<i>For Molded Plastic Frame, Add</i>	17.00		
10 14 23 11-0030	EA	>50 To 75 Sl, Engraved Steel, Surface Mount, Indoor/Outdoor Sign.....	110.99	9.43	
		<i>For &gt;25 To 50, Deduct</i>	-9.21		
		<i>For &gt;50 To 100, Deduct</i>	-23.04		
		<i>For &gt;100, Deduct</i>	-27.64		
		<i>For Molded Plastic Frame, Add</i>	19.00		
10 14 23 11-0031	EA	>75 To 100 Sl, Engraved Steel, Surface Mount, Indoor/Outdoor Sign.....	155.66	9.43	
		<i>For &gt;25 To 50, Deduct</i>	-13.68		
		<i>For &gt;50 To 100, Deduct</i>	-34.20		
		<i>For &gt;100, Deduct</i>	-41.04		
		<i>For Molded Plastic Frame, Add</i>	21.00		
10 14 23 11-0032	SI	>100 Sl, Engraved Steel, Surface Mount, Indoor/Outdoor Sign.....	1.56	0.09	
		<i>For Molded Plastic Frame, Add</i>	0.20		
<b>10 14 23 11-0033 Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0002)</b>					
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.					
10 14 23 11-0034	EA	Up To 25 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	30.02	9.43	
		<i>For &gt;25 To 50, Deduct</i>	-1.12		
		<i>For &gt;50 To 100, Deduct</i>	-2.79		
		<i>For &gt;100, Deduct</i>	-3.35		
		<i>For Glow-In-Dark, Add</i>	6.70		
		<i>For Reflective Finish, Add</i>	8.38		
10 14 23 11-0035	EA	>25 To 50 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign.....	38.39	9.43	
		<i>For &gt;25 To 50, Deduct</i>	-1.95		
		<i>For &gt;50 To 100, Deduct</i>	-4.89		
		<i>For &gt;100, Deduct</i>	-5.86		
		<i>For Glow-In-Dark, Add</i>	11.72		
		<i>For Reflective Finish, Add</i>	14.66		
10 14 23 11-0036	EA	>50 To 100 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign.....	55.15	9.43	
		<i>For &gt;25 To 50, Deduct</i>	-3.63		
		<i>For &gt;50 To 100, Deduct</i>	-9.08		
		<i>For &gt;100, Deduct</i>	-10.89		
		<i>For Glow-In-Dark, Add</i>	21.78		
		<i>For Reflective Finish, Add</i>	27.23		
10 14 23 11-0037	EA	>100 To 250 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign.....	74.69	9.43	
		<i>For &gt;25 To 50, Deduct</i>	-5.58		
		<i>For &gt;50 To 100, Deduct</i>	-13.96		
		<i>For &gt;100, Deduct</i>	-16.75		
		<i>For Glow-In-Dark, Add</i>	33.50		
		<i>For Reflective Finish, Add</i>	41.88		
10 14 23 11-0038	EA	>250 To 500 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign.....	133.32	9.43	
		<i>For &gt;25 To 50, Deduct</i>	-11.45		
		<i>For &gt;50 To 100, Deduct</i>	-28.62		
		<i>For &gt;100, Deduct</i>	-34.34		
		<i>For Glow-In-Dark, Add</i>	68.68		
		<i>For Reflective Finish, Add</i>	85.85		
10 14 23 11-0039	EA	>500 To 750 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign.....	158.45	9.43	
		<i>For &gt;25 To 50, Deduct</i>	-13.96		
		<i>For &gt;50 To 100, Deduct</i>	-34.90		
		<i>For &gt;100, Deduct</i>	-41.88		
		<i>For Glow-In-Dark, Add</i>	83.76		
		<i>For Reflective Finish, Add</i>	104.70		
10 14 23 11-0040	EA	>750 To 1,000 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign.....	191.95	9.43	
		<i>For &gt;25 To 50, Deduct</i>	-17.31		
		<i>For &gt;50 To 100, Deduct</i>	-43.28		
		<i>For &gt;100, Deduct</i>	-51.93		
		<i>For Glow-In-Dark, Add</i>	103.86		
		<i>For Reflective Finish, Add</i>	129.83		
10 14 23 11-0041	SI	>1,000 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign.....	0.21	0.01	
		<i>For Glow-In-Dark, Add</i>	0.11		
		<i>For Reflective Finish, Add</i>	0.14		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 23 11-0042	California Title 24, Surface Mount, Signs <small>(10 14 23 11-0002)</small>		
10 14 23 11-0043	California Title 24, Surface Mount, Geometric Restroom Signs <small>(10 14 23 11-0042)</small> Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.		
10 14 23 11-0044	EA 1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign ..... For >25 To 50, Deduct ..... For >50 To 100, Deduct ..... For >100, Deduct .....	121.46 -10.26 -15.39 -17.44	9.43
10 14 23 11-0045	EA 1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign ..... For >25 To 50, Deduct ..... For >50 To 100, Deduct ..... For >100, Deduct .....	121.46 -10.26 -15.39 -17.44	9.43
10 14 23 11-0046	EA 1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign ..... Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle. For >25 To 50, Deduct ..... For >50 To 100, Deduct ..... For >100, Deduct .....	162.50 -14.37 -21.55 -24.42	9.43
10 14 23 11-0047	California Title 24, Surface Mount, Stairwell Signs <small>(10 14 23 11-0042)</small> Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.		
10 14 23 11-0048	EA 1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign ..... For >25 To 50, Deduct ..... For >50 To 100, Deduct ..... For >100, Deduct .....	250.45 -23.16 -34.74 -39.37	9.43
10 14 23 11-0049	Ceiling Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0001)</small>		
10 14 23 11-0050	Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0049)</small>		
10 14 23 11-0051	EA Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign ..... For >25 To 50, Deduct ..... For >50 To 100, Deduct ..... For >100, Deduct ..... For Glow-In-Dark, Add ..... For Reflective Finish, Add .....	41.75 -1.54 -3.84 -4.61 9.22 11.52	13.19
10 14 23 11-0052	EA >25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign ..... For >25 To 50, Deduct ..... For >50 To 100, Deduct ..... For >100, Deduct ..... For Glow-In-Dark, Add ..... For Reflective Finish, Add .....	54.31 -2.79 -6.98 -8.38 16.75 20.94	13.19
10 14 23 11-0053	EA >50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign ..... For >25 To 50, Deduct ..... For >50 To 100, Deduct ..... For >100, Deduct ..... For Glow-In-Dark, Add ..... For Reflective Finish, Add .....	71.06 -4.47 -11.17 -13.40 26.80 33.50	13.19
10 14 23 11-0054	EA >100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign ..... For >25 To 50, Deduct ..... For >50 To 100, Deduct ..... For >100, Deduct ..... For Glow-In-Dark, Add ..... For Reflective Finish, Add .....	96.19 -6.98 -17.45 -20.94 41.88 52.35	13.19
10 14 23 11-0055	90 Degree, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0001)</small>		
10 14 23 11-0056	Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0055)</small>		
10 14 23 11-0057	EA Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign ..... For >25 To 50, Deduct ..... For >50 To 100, Deduct ..... For >100, Deduct ..... For Glow-In-Dark, Add ..... For Reflective Finish, Add .....	43.14 -1.68 -4.19 -5.03 10.05 12.56	13.19
10 14 23 11-0058	EA >25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign ..... For >25 To 50, Deduct ..... For >50 To 100, Deduct ..... For >100, Deduct ..... For Glow-In-Dark, Add ..... For Reflective Finish, Add .....	57.10 -3.07 -7.68 -9.21 18.43 23.03	13.19
10 14 23 11-0059	EA >50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign ..... For >25 To 50, Deduct ..... For >50 To 100, Deduct ..... For >100, Deduct ..... For Glow-In-Dark, Add ..... For Reflective Finish, Add .....	87.81 -6.14 -15.36 -18.43 36.85 46.07	13.19
10 14 23 11-0060	EA >100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign ..... For >25 To 50, Deduct ..... For >50 To 100, Deduct ..... For >100, Deduct ..... For Glow-In-Dark, Add ..... For Reflective Finish, Add .....	98.98 -7.26 -18.15 -21.78 43.55 54.44	13.19

**10 Specialties****10 10 Information Specialties****10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0061			Triangle, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0001)</small>		
10 14 23 11-0062			Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0061)</small>		
10 14 23 11-0063	EA		Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	47.33	13.19
			<i>For &gt;25 To 50, Deduct</i>	-2.09	
			<i>For &gt;50 To 100, Deduct</i>	-5.24	
			<i>For &gt;100, Deduct</i>	-6.28	
			<i>For Glow-In-Dark, Add</i>	12.56	
			<i>For Reflective Finish, Add</i>	15.71	
10 14 23 11-0064	EA		>25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	68.27	13.19
			<i>For &gt;25 To 50, Deduct</i>	-4.19	
			<i>For &gt;50 To 100, Deduct</i>	-10.47	
			<i>For &gt;100, Deduct</i>	-12.56	
			<i>For Glow-In-Dark, Add</i>	25.13	
			<i>For Reflective Finish, Add</i>	31.41	
10 14 23 11-0065	EA		>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	76.65	13.19
			<i>For &gt;25 To 50, Deduct</i>	-5.03	
			<i>For &gt;50 To 100, Deduct</i>	-12.57	
			<i>For &gt;100, Deduct</i>	-15.08	
			<i>For Glow-In-Dark, Add</i>	30.16	
			<i>For Reflective Finish, Add</i>	37.70	
10 14 23 11-0066	EA		>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	87.81	13.19
			<i>For &gt;25 To 50, Deduct</i>	-6.14	
			<i>For &gt;50 To 100, Deduct</i>	-15.36	
			<i>For &gt;100, Deduct</i>	-18.43	
			<i>For Glow-In-Dark, Add</i>	36.85	
			<i>For Reflective Finish, Add</i>	46.07	
10 14 23 11-0067			<b>Adhesive Backed Vinyl Characters</b> <small>(10 14 23 11)</small> Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.		
10 14 23 11-0068	EA		1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	3.13	0.75
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.59	
10 14 23 11-0069	EA		3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	3.28	0.86
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.62	
10 14 23 11-0070	EA		1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	3.43	0.98
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.66	
10 14 23 11-0071	EA		1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	4.41	1.13
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.81	
10 14 23 11-0072	EA		2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	4.62	1.32
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.86	
10 14 23 11-0073	EA		3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	6.66	1.51
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	1.27	
10 14 23 11-0074	EA		4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	7.28	1.70
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	1.43	
10 14 23 11-0075	EA		6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	9.96	1.89
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	2.00	
10 14 23 11-0076	EA		8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	12.46	2.08
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	2.62	
10 14 23 11-0077	EA		10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	16.17	2.26
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	3.45	
10 14 23 11-0078			<b>Standoffs For Wall Signage</b> <small>(10 14 23 11)</small> Note: Excludes signage		
10 14 23 11-0079	EA		1/2" Diameter x 1/2" Long, Stainless Steel Standoff.....	12.93	5.24
10 14 23 11-0080	EA		1/2" Diameter x 3/4" Long, Stainless Steel Standoff.....	13.25	5.24
10 14 23 11-0081	EA		1/2" Diameter x 1" Long, Stainless Steel Standoff.....	13.33	5.24
10 14 23 11-0082	EA		5/8" Diameter x 1/2" Long, Stainless Steel Standoff.....	14.01	5.24
10 14 23 11-0083	EA		5/8" Diameter x 3/4" Long, Stainless Steel Standoff.....	14.33	5.24
10 14 23 11-0084	EA		5/8" Diameter x 1" Long, Stainless Steel Standoff.....	14.96	5.24
10 14 23 11-0085	EA		3/4" Diameter x 3/4" Long, Stainless Steel Standoff.....	15.01	6.29
10 14 23 11-0086	EA		3/4" Diameter x 1" Long, Stainless Steel Standoff.....	15.88	6.29
10 14 23 11-0087	EA		3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff.....	16.59	6.29
10 14 23 11-0088	EA		1" Diameter x 3/4" Long, Stainless Steel Standoff.....	17.64	6.29
10 14 23 11-0089	EA		1" Diameter x 1" Long, Stainless Steel Standoff.....	18.67	6.29
10 14 23 11-0090	EA		1" Diameter x 1-1/2" Long, Stainless Steel Standoff.....	19.93	6.29
10 14 23 11-0091	EA		5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff.....	14.25	5.24
10 14 23 11-0092	EA		5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff.....	14.49	5.24
10 14 23 11-0093	EA		3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff.....	15.72	6.29
10 14 23 11-0094	EA		3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff.....	15.96	6.29
10 14 23 11-0095	EA		1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff.....	17.32	6.29
10 14 23 11-0096	EA		1" Diameter x 1" Long, Clear Anodized Aluminum Standoff.....	17.48	6.29
10 14 23 11-0097			<b>Removal And Reinstallation Of Building Signage</b> <small>(10 14 23 11)</small> Note: Includes storage and cleaning.		
10 14 23 11-0098	EA		Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF.....	183.52	
10 14 23 11-0099	EA		Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF.....	210.92	
10 14 23 11-0100	EA		Removal And Reinstallation Of Building Signage, >12 To 20 SF.....	237.13	
10 14 23 11-0101	EA		Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF.....	56.55	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 14 23 11-0102</b>		<b>Building Sign</b> <small>(10 14 23 11)</small>			
Note: Includes 4" numbers painted on. Installed on building.					
10 14 23 11-0103	EA	6" x 18" Metal Building Sign With Numbers .....	128.51		22.62
10 14 23 11-0104	SF	Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts .....	42.44		7.34
10 14 23 11-0105	SF	Single Sided, Molding On One Side, For Mounting On Structure Up To 20' .....	32.02		6.82
10 14 23 11-0106	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep .....	24.40		5.77
10 14 23 11-0107	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep .....	28.09		6.30
10 14 23 11-0108	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep .....	30.79		6.82
10 14 23 11-0109	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep .....	36.13		7.34

**10 14 29 Wall or Ground Mounted Signage** (10 14)

Note: Includes fabrication, delivery, installation, bolts and fasteners and drilling.

<b>10 14 29 00-0001</b>		<b>Illuminated Signage</b> <small>(10 14 29)</small>			
<b>10 14 29 00-0002</b>		<b>Removal Of Sign Cabinets</b> <small>(10 14 29 00-0001)</small>			
10 14 29 00-0003	EA	Removal Of Sign Cabinet, 1 To 4.9 SF .....	295.95		
10 14 29 00-0004	EA	Removal Of Sign Cabinet, 5 To 9.9 SF .....	355.14		
10 14 29 00-0005	EA	Removal Of Sign Cabinet, 10 To 19.9 SF .....	473.48		
10 14 29 00-0006	EA	Removal Of Sign Cabinet, 20 To 29.9 SF .....	710.27		
10 14 29 00-0007	EA	Removal Of Sign Cabinet, >30 SF .....	946.96		

**10 14 29 00-0008** **Fabricate And Install New Sign Cabinets** (10 14 29 00-0001)

10 14 29 00-0009	SF	1 To 4.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted .....	281.03		
		<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-14.05		
		<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-21.08		
		<i>For &gt;20 Per Each Sign, Deduct</i>	-28.10		
10 14 29 00-0010	SF	5 To 9.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted .....	233.48		
		<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-11.67		
		<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-17.51		
		<i>For &gt;20 Per Each Sign, Deduct</i>	-23.35		
10 14 29 00-0011	SF	10 To 19.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted .....	190.60		
		<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-9.53		
		<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-14.30		
		<i>For &gt;20 Per Each Sign, Deduct</i>	-19.06		
10 14 29 00-0012	SF	20 To 29.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted .....	171.53		
		<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-8.58		
		<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-12.86		
		<i>For &gt;20 Per Each Sign, Deduct</i>	-17.15		
10 14 29 00-0013	SF	=>30 SF, Illuminated Sign Cabinet, Wall/Ground Mounted .....	157.26		
		<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-7.86		
		<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-11.79		
		<i>For &gt;20 Per Each Sign, Deduct</i>	-15.73		

**10 14 29 00-0014** **Fabricate And Install New Sign Face, Material And Legend** (10 14 29 00-0001)

10 14 29 00-0015	SF	1 To 4.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend .....	76.22		
		<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-3.81		
		<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-5.72		
		<i>For &gt;20 Per Each Sign, Deduct</i>	-7.62		
10 14 29 00-0016	SF	5 To 9.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend .....	61.95		
		<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-3.10		
		<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-4.65		
		<i>For &gt;20 Per Each Sign, Deduct</i>	-6.20		
10 14 29 00-0017	SF	10 To 19.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend .....	47.62		
		<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-2.38		
		<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-3.57		
		<i>For &gt;20 Per Each Sign, Deduct</i>	-4.76		
10 14 29 00-0018	SF	20 To 29.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend .....	38.08		
		<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-1.90		
		<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-2.86		
		<i>For &gt;20 Per Each Sign, Deduct</i>	-3.81		
10 14 29 00-0019	SF	=>30 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend .....	30.46		
		<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-1.52		
		<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-2.28		
		<i>For &gt;20 Per Each Sign, Deduct</i>	-3.05		

**10 14 29 00-0020** **Posts** (10 14 29)

Note: Includes mounting bolts and installation for sign blades to posts.

10 14 29 00-0021	LF	2" Square Galvanized Steel Post .....	18.10		
		<i>For Powder Coating, Add</i>	0.72		
10 14 29 00-0022	LF	2-3/8" Diameter Galvanized Steel Post .....	17.56		
		<i>For Powder Coating, Add</i>	0.68		
10 14 29 00-0023	LF	2" Diameter TREX Post .....	9.72		
10 14 29 00-0024	EA	Mounting On Ground With Base .....	56.95		
		Note: Includes bolts and drilling for bolts.			
10 14 29 00-0025	EA	Mid Post Mounted Rotating Sign With Graphics .....	262.79		
		<i>For &gt;5 To 11, Deduct</i>	-13.14		
		<i>For &gt;11 To 20, Deduct</i>	-19.71		
		<i>For &gt;20, Deduct</i>	-26.28		

**10 14 31** **Overhead and Ceiling Hung Signage** (10 14)

Note: Includes fabrication, delivery, installation, bolts and fasteners and drilling.

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 31 00-0001			<b>Illuminated Signage</b> (10 14 31)		
10 14 31 00-0002			<b>Removal Of Sign Cabinets</b> (10 14 31 00-0001)		
10 14 31 00-0003	EA		Removal Of Sign Cabinet, 1 To 4.9 SF.....	325.54	
10 14 31 00-0004	EA		Removal Of Sign Cabinet, 5 To 9.9 SF.....	390.65	
10 14 31 00-0005	EA		Removal Of Sign Cabinet, 10 To 19.9 SF.....	520.87	
10 14 31 00-0006	EA		Removal Of Sign Cabinet, 20 To 29.9 SF.....	781.31	
10 14 31 00-0007	EA		Removal Of Sign Cabinet, >30 SF.....	1,041.55	
10 14 31 00-0008			<b>Fabricate And Install New Sign Cabinets</b> (10 14 31 00-0001)		
10 14 31 00-0009	SF	1 To 4.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	310.93		
		<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-15.55		
		<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-23.32		
		<i>For &gt;20 Per Each Sign, Deduct</i>	-31.09		
10 14 31 00-0010	SF	5 To 9.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	258.25		
		<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-12.91		
		<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-19.37		
		<i>For &gt;20 Per Each Sign, Deduct</i>	-25.83		
10 14 31 00-0011	SF	10 To 19.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	210.82		
		<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-10.54		
		<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-15.81		
		<i>For &gt;20 Per Each Sign, Deduct</i>	-21.08		
10 14 31 00-0012	SF	20 To 29.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	189.73		
		<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-9.49		
		<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-14.23		
		<i>For &gt;20 Per Each Sign, Deduct</i>	-18.97		
10 14 31 00-0013	SF	=>30 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	173.93		
		<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-8.70		
		<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-13.04		
		<i>For &gt;20 Per Each Sign, Deduct</i>	-17.39		
10 14 31 00-0014			<b>Fabricate And Install New Sign Face, Material And Legend</b> (10 14 31 00-0001)		
10 14 31 00-0015	SF	1 To 4.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	31.13		
		<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-1.56		
		<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-2.33		
		<i>For &gt;20 Per Each Sign, Deduct</i>	-3.11		
10 14 31 00-0016	SF	5 To 9.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	24.91		
		<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-1.25		
		<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-1.87		
		<i>For &gt;20 Per Each Sign, Deduct</i>	-2.49		
10 14 31 00-0017	SF	10 To 19.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	20.77		
		<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-1.04		
		<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-1.56		
		<i>For &gt;20 Per Each Sign, Deduct</i>	-2.08		
10 14 31 00-0018	SF	20 To 29.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	17.63		
		<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-0.88		
		<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-1.32		
		<i>For &gt;20 Per Each Sign, Deduct</i>	-1.76		
10 14 31 00-0019	SF	=>30 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	15.55		
		<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-0.78		
		<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-1.17		
		<i>For &gt;20 Per Each Sign, Deduct</i>	-1.56		
10 14 43			<b>Photoluminescent Signage</b> (10 14)		
10 14 43 00-0001			<b>Photoluminescent Illuminated Signage</b> (10 14 43)		
10 14 43 00-0002	EA	4-1/2" x 8" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount.....	45.05	9.43	
		<i>For &gt;25 To 50, Deduct</i>	-2.62		
		<i>For &gt;50 To 100, Deduct</i>	-6.55		
		<i>For &gt;100, Deduct</i>	-7.86		
10 14 43 00-0003	EA	4-1/2" x 13" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount.....	49.31	9.43	
		<i>For &gt;25 To 50, Deduct</i>	-3.05		
		<i>For &gt;50 To 100, Deduct</i>	-7.62		
		<i>For &gt;100, Deduct</i>	-9.14		
10 14 43 00-0004	EA	8" x 10" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount.....	55.16	9.43	
		<i>For &gt;25 To 50, Deduct</i>	-3.63		
		<i>For &gt;50 To 100, Deduct</i>	-9.08		
		<i>For &gt;100, Deduct</i>	-10.89		
10 14 53			<b>Traffic Signage</b> (10 14)		
10 14 53 11			<b>Traffic Signage</b> (10 14 53)		
10 14 53 11-0001			<b>Traffic Signs</b> (10 14 53 11)		
10 14 53 11-0002			<b>Reflectorized Stop Signs And Other Traffic Signs</b> (10 14 53 11-0001) Note: Excludes posts.		
10 14 53 11-0003			<b>Aluminum Engineer Grade Stop Signs</b> (10 14 53 11-0002)		
10 14 53 11-0004	EA	18" x 18" Aluminum Engineer Grade Stop Sign.....	60.03	16.97	
		<i>For Hi-Intensity Grade, Add</i>	7.83		
		<i>For Diamond Grade, Add</i>	14.88		
10 14 53 11-0005	EA	18" x 24" Aluminum Engineer Grade Stop Sign.....	69.95	17.94	
		<i>For Hi-Intensity Grade, Add</i>	10.24		
		<i>For Diamond Grade, Add</i>	19.45		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0006	EA		24" x 24" Aluminum Engineer Grade Stop Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	75.86 15.64 24.80	18.85
10 14 53 11-0007	EA		30" x 30" Aluminum Engineer Grade Stop Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	88.44 5.86 31.75	19.83
10 14 53 11-0008	EA		36" x 36" Aluminum Engineer Grade Stop Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	119.77 17.23 54.03	20.74
<b>10 14 53 11-0009</b>			<b>Other Reflectorized Traffic Signs</b> <small>(10 14 53 11-0002)</small> Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
<b>10 14 53 11-0010</b>			<b>Aluminum Engineer Grade Traffic Signs</b> <small>(10 14 53 11-0009)</small>		
10 14 53 11-0011	EA		6" x 12" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	36.64 1.94	15.08
10 14 53 11-0012	EA		6" x 18" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	39.87 2.91	15.08
10 14 53 11-0013	EA		9" x 12" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	39.87 2.91	15.08
10 14 53 11-0014	EA		9" x 15" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	42.29 3.64	15.08
10 14 53 11-0015	EA		9" x 18" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	44.72 4.37	15.08
10 14 53 11-0016	EA		9" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	51.44 5.82	16.03
10 14 53 11-0017	EA		9" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	70.83 11.64	16.03
10 14 53 11-0018	EA		12" x 12" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	43.10 3.88	15.08
10 14 53 11-0019	EA		12" x 18" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	51.44 5.82	16.03
10 14 53 11-0020	EA		12" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	57.90 7.76	16.03
10 14 53 11-0021	EA		12" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	64.37 9.70	16.03
10 14 53 11-0022	EA		12" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	70.83 11.64	16.03
10 14 53 11-0023	EA		17" x 22" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	65.63 10.08	16.03
10 14 53 11-0024	EA		18" x 18" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	61.14 8.73	16.03
10 14 53 11-0025	EA		18" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	70.83 11.64	16.03
10 14 53 11-0026	EA		18" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	82.42 14.55	16.97
10 14 53 11-0027	EA		18" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	92.12 17.46	16.97
10 14 53 11-0028	EA		18" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	119.06 23.28	20.74
10 14 53 11-0029	EA		18" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	128.76 26.19	20.74
10 14 53 11-0030	EA		24" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	85.65 15.52	16.97
10 14 53 11-0031	EA		24" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	98.59 19.40	16.97
10 14 53 11-0032	EA		24" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	111.52 23.28	16.97
10 14 53 11-0033	EA		24" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	131.99 27.16	20.74
10 14 53 11-0034	EA		24" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	144.92 31.04	20.74
10 14 53 11-0035	EA		24" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	157.85 34.91	20.74
10 14 53 11-0036	EA		24" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	170.78 38.79	20.74
10 14 53 11-0037	EA		30" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	114.75 24.25	16.97
10 14 53 11-0038	EA		30" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	138.45 29.09	20.74
10 14 53 11-0039	EA		30" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	154.62 33.95	20.74
10 14 53 11-0040	EA		30" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	178.32 38.79	24.51
10 14 53 11-0041	EA		30" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	218.20 48.49	28.28
10 14 53 11-0042	EA		36" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	157.85 34.91	20.74
10 14 53 11-0043	EA		36" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	184.79 40.73	24.51
10 14 53 11-0044	EA		36" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	211.73 46.55	28.28
10 14 53 11-0045	EA		36" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	231.13 52.37	28.28
10 14 53 11-0046	EA		36" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	258.07 58.19	32.04

**10 Specialties****10 10 Information Specialties****10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0047	EA		36" x 73" Aluminum Engineer Grade Traffic Sign.....	307.63	35.82
			<i>For Hi-Intensity Grade, Add</i>	70.80	
10 14 53 11-0048	EA		36" x 78" Aluminum Engineer Grade Traffic Sign.....	323.80	35.82
			<i>For Hi-Intensity Grade, Add</i>	75.65	
10 14 53 11-0049	EA		36" x 108" Aluminum Engineer Grade Traffic Sign.....	432.09	41.47
			<i>For Hi-Intensity Grade, Add</i>	104.74	
10 14 53 11-0050	EA		42" x 42" Aluminum Engineer Grade Traffic Sign.....	214.97	28.28
			<i>For Hi-Intensity Grade, Add</i>	47.52	
10 14 53 11-0051	EA		48" x 48" Aluminum Engineer Grade Traffic Sign.....	271.00	32.04
			<i>For Hi-Intensity Grade, Add</i>	62.07	
10 14 53 11-0052	EA		48" x 54" Aluminum Engineer Grade Traffic Sign.....	304.40	35.82
			<i>For Hi-Intensity Grade, Add</i>	69.83	
10 14 53 11-0053	EA		48" x 60" Aluminum Engineer Grade Traffic Sign.....	330.26	35.82
			<i>For Hi-Intensity Grade, Add</i>	77.59	
10 14 53 11-0054	EA		48" x 66" Aluminum Engineer Grade Traffic Sign.....	367.44	41.47
			<i>For Hi-Intensity Grade, Add</i>	85.35	
10 14 53 11-0055	EA		48" x 72" Aluminum Engineer Grade Traffic Sign.....	393.30	41.47
			<i>For Hi-Intensity Grade, Add</i>	93.11	
10 14 53 11-0056	EA		48" x 84" Aluminum Engineer Grade Traffic Sign.....	452.56	45.25
			<i>For Hi-Intensity Grade, Add</i>	108.62	
10 14 53 11-0057	EA		48" x 96" Aluminum Engineer Grade Traffic Sign.....	504.29	45.25
			<i>For Hi-Intensity Grade, Add</i>	124.14	
10 14 53 11-0058	EA		48" x 102" Aluminum Engineer Grade Traffic Sign.....	530.15	45.25
			<i>For Hi-Intensity Grade, Add</i>	131.90	
10 14 53 11-0059	EA		48" x 108" Aluminum Engineer Grade Traffic Sign.....	559.78	47.13
			<i>For Hi-Intensity Grade, Add</i>	139.66	
10 14 53 11-0060	EA		60" x 72" Aluminum Engineer Grade Traffic Sign.....	478.43	45.25
			<i>For Hi-Intensity Grade, Add</i>	116.38	
10 14 53 11-0061	EA		72" x 144" Aluminum Engineer Grade Traffic Sign.....	1,051.69	60.33
			<i>For Hi-Intensity Grade, Add</i>	279.31	
10 14 53 11-0062	EA		78" x 96" Aluminum Engineer Grade Traffic Sign.....	766.68	47.13
			<i>For Hi-Intensity Grade, Add</i>	201.73	

**10 14 53 11-0063 Non-Reflectorized Traffic Signs** (10 14 53 11-0001)

Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.

**10 14 53 11-0064 Steel Non-Reflectorized Traffic Signs** (10 14 53 11-0063)

10 14 53 11-0065	EA		6" x 12" Steel Non Reflectorized Traffic Sign .....	35.76	15.08
10 14 53 11-0066	EA		6" x 18" Steel Non Reflectorized Traffic Sign .....	38.55	15.08
10 14 53 11-0067	EA		9" x 12" Steel Non Reflectorized Traffic Sign .....	38.55	15.08
10 14 53 11-0068	EA		9" x 15" Steel Non Reflectorized Traffic Sign .....	40.65	15.08
10 14 53 11-0069	EA		9" x 18" Steel Non Reflectorized Traffic Sign .....	42.75	15.08
10 14 53 11-0070	EA		9" x 24" Steel Non Reflectorized Traffic Sign .....	48.81	16.03
10 14 53 11-0071	EA		9" x 48" Steel Non Reflectorized Traffic Sign .....	65.58	16.03
10 14 53 11-0072	EA		12" x 12" Steel Non Reflectorized Traffic Sign .....	41.35	15.08
10 14 53 11-0073	EA		12" x 18" Steel Non Reflectorized Traffic Sign .....	48.81	16.03
10 14 53 11-0074	EA		12" x 24" Steel Non Reflectorized Traffic Sign .....	54.40	16.03
10 14 53 11-0075	EA		12" x 30" Steel Non Reflectorized Traffic Sign .....	59.99	16.03
10 14 53 11-0076	EA		12" x 36" Steel Non Reflectorized Traffic Sign .....	65.58	16.03
10 14 53 11-0077	EA		18" x 18" Steel Non Reflectorized Traffic Sign .....	57.19	16.03
10 14 53 11-0078	EA		18" x 24" Steel Non Reflectorized Traffic Sign .....	65.58	16.03
10 14 53 11-0079	EA		18" x 30" Steel Non Reflectorized Traffic Sign .....	75.85	16.97
10 14 53 11-0080	EA		18" x 36" Steel Non Reflectorized Traffic Sign .....	84.24	16.97
10 14 53 11-0081	EA		18" x 48" Steel Non Reflectorized Traffic Sign .....	108.54	20.74
10 14 53 11-0082	EA		18" x 54" Steel Non Reflectorized Traffic Sign .....	116.93	20.74
10 14 53 11-0083	EA		24" x 24" Steel Non Reflectorized Traffic Sign .....	78.65	16.97
10 14 53 11-0084	EA		24" x 30" Steel Non Reflectorized Traffic Sign .....	89.82	16.97
10 14 53 11-0085	EA		24" x 36" Steel Non Reflectorized Traffic Sign .....	101.00	16.97
10 14 53 11-0086	EA		24" x 42" Steel Non Reflectorized Traffic Sign .....	119.72	20.74
10 14 53 11-0087	EA		24" x 48" Steel Non Reflectorized Traffic Sign .....	130.90	20.74
10 14 53 11-0088	EA		24" x 54" Steel Non Reflectorized Traffic Sign .....	142.08	20.74
10 14 53 11-0089	EA		24" x 60" Steel Non Reflectorized Traffic Sign .....	153.26	20.74
10 14 53 11-0090	EA		30" x 30" Steel Non Reflectorized Traffic Sign .....	103.80	16.97
10 14 53 11-0091	EA		30" x 36" Steel Non Reflectorized Traffic Sign .....	125.31	20.74
10 14 53 11-0092	EA		30" x 42" Steel Non Reflectorized Traffic Sign .....	139.29	20.74
10 14 53 11-0093	EA		30" x 48" Steel Non Reflectorized Traffic Sign .....	160.80	24.51
10 14 53 11-0094	EA		30" x 60" Steel Non Reflectorized Traffic Sign .....	196.30	28.28
10 14 53 11-0095	EA		36" x 36" Steel Non Reflectorized Traffic Sign .....	142.08	20.74
10 14 53 11-0096	EA		36" x 42" Steel Non Reflectorized Traffic Sign .....	166.39	24.51
10 14 53 11-0097	EA		36" x 48" Steel Non Reflectorized Traffic Sign .....	190.71	28.28
10 14 53 11-0098	EA		36" x 54" Steel Non Reflectorized Traffic Sign .....	207.48	28.28
10 14 53 11-0099	EA		36" x 60" Steel Non Reflectorized Traffic Sign .....	231.78	32.04
10 14 53 11-0100	EA		36" x 73" Steel Non Reflectorized Traffic Sign .....	275.66	35.82
10 14 53 11-0101	EA		36" x 78" Steel Non Reflectorized Traffic Sign .....	289.63	35.82
10 14 53 11-0102	EA		36" x 108" Steel Non Reflectorized Traffic Sign .....	384.78	41.47
10 14 53 11-0103	EA		42" x 42" Steel Non Reflectorized Traffic Sign .....	193.50	28.28
10 14 53 11-0104	EA		48" x 48" Steel Non Reflectorized Traffic Sign .....	242.96	32.04
10 14 53 11-0105	EA		48" x 54" Steel Non Reflectorized Traffic Sign .....	272.86	35.82
10 14 53 11-0106	EA		48" x 60" Steel Non Reflectorized Traffic Sign .....	295.22	35.82
10 14 53 11-0107	EA		48" x 66" Steel Non Reflectorized Traffic Sign .....	328.89	41.47
10 14 53 11-0108	EA		48" x 72" Steel Non Reflectorized Traffic Sign .....	351.25	41.47
10 14 53 11-0109	EA		48" x 84" Steel Non Reflectorized Traffic Sign .....	403.50	45.25
10 14 53 11-0110	EA		48" x 96" Steel Non Reflectorized Traffic Sign .....	448.22	45.25
10 14 53 11-0111	EA		48" x 102" Steel Non Reflectorized Traffic Sign .....	470.58	45.25
10 14 53 11-0112	EA		48" x 108" Steel Non Reflectorized Traffic Sign .....	496.70	47.13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 53 11-0113	EA		60" x 72" Steel Non ReflectORIZED Traffic Sign.....	425.86	45.25
10 14 53 11-0114	EA		72" x 144" Steel Non ReflectORIZED Traffic Sign.....	925.54	60.33
10 14 53 11-0115	EA		78" x 96" Steel Non ReflectORIZED Traffic Sign.....	675.57	47.13

**10 14 53 11-0116 Aluminum Non-ReflectORIZED Traffic Signs** (10 14 53 11-0063)

10 14 53 11-0117	EA		6" x 12" Aluminum Non ReflectORIZED Traffic Sign .....	35.99	15.08
10 14 53 11-0118	EA		6" x 18" Aluminum Non ReflectORIZED Traffic Sign .....	38.90	15.08
10 14 53 11-0119	EA		9" x 12" Aluminum Non ReflectORIZED Traffic Sign .....	38.90	15.08
10 14 53 11-0120	EA		9" x 15" Aluminum Non ReflectORIZED Traffic Sign .....	41.08	15.08
10 14 53 11-0121	EA		9" x 18" Aluminum Non ReflectORIZED Traffic Sign .....	43.26	15.08
10 14 53 11-0122	EA		9" x 24" Aluminum Non ReflectORIZED Traffic Sign .....	49.49	16.03
10 14 53 11-0123	EA		9" x 48" Aluminum Non ReflectORIZED Traffic Sign .....	66.94	16.03
10 14 53 11-0124	EA		12" x 12" Aluminum Non ReflectORIZED Traffic Sign .....	41.80	15.08
10 14 53 11-0125	EA		12" x 18" Aluminum Non ReflectORIZED Traffic Sign .....	49.49	16.03
10 14 53 11-0126	EA		12" x 24" Aluminum Non ReflectORIZED Traffic Sign .....	55.31	16.03
10 14 53 11-0127	EA		12" x 30" Aluminum Non ReflectORIZED Traffic Sign .....	61.13	16.03
10 14 53 11-0128	EA		12" x 36" Aluminum Non ReflectORIZED Traffic Sign .....	66.94	16.03
10 14 53 11-0129	EA		18" x 18" Aluminum Non ReflectORIZED Traffic Sign .....	58.22	16.03
10 14 53 11-0130	EA		18" x 24" Aluminum Non ReflectORIZED Traffic Sign .....	66.94	16.03
10 14 53 11-0131	EA		18" x 30" Aluminum Non ReflectORIZED Traffic Sign .....	77.56	16.97
10 14 53 11-0132	EA		18" x 36" Aluminum Non ReflectORIZED Traffic Sign .....	86.29	16.97
10 14 53 11-0133	EA		18" x 48" Aluminum Non ReflectORIZED Traffic Sign .....	111.28	20.74
10 14 53 11-0134	EA		18" x 54" Aluminum Non ReflectORIZED Traffic Sign .....	120.00	20.74
10 14 53 11-0135	EA		24" x 24" Aluminum Non ReflectORIZED Traffic Sign .....	80.47	16.97
10 14 53 11-0136	EA		24" x 30" Aluminum Non ReflectORIZED Traffic Sign .....	92.10	16.97
10 14 53 11-0137	EA		24" x 36" Aluminum Non ReflectORIZED Traffic Sign .....	103.74	16.97
10 14 53 11-0138	EA		24" x 42" Aluminum Non ReflectORIZED Traffic Sign .....	122.91	20.74
10 14 53 11-0139	EA		24" x 48" Aluminum Non ReflectORIZED Traffic Sign .....	134.55	20.74
10 14 53 11-0140	EA		24" x 54" Aluminum Non ReflectORIZED Traffic Sign .....	146.18	20.74
10 14 53 11-0141	EA		24" x 60" Aluminum Non ReflectORIZED Traffic Sign .....	157.82	20.74
10 14 53 11-0142	EA		30" x 30" Aluminum Non ReflectORIZED Traffic Sign .....	106.65	16.97
10 14 53 11-0143	EA		30" x 36" Aluminum Non ReflectORIZED Traffic Sign .....	128.73	20.74
10 14 53 11-0144	EA		30" x 42" Aluminum Non ReflectORIZED Traffic Sign .....	143.27	20.74
10 14 53 11-0145	EA		30" x 48" Aluminum Non ReflectORIZED Traffic Sign .....	165.36	24.51
10 14 53 11-0146	EA		30" x 60" Aluminum Non ReflectORIZED Traffic Sign .....	201.99	28.28
10 14 53 11-0147	EA		36" x 36" Aluminum Non ReflectORIZED Traffic Sign .....	146.18	20.74
10 14 53 11-0148	EA		36" x 42" Aluminum Non ReflectORIZED Traffic Sign .....	171.17	24.51
10 14 53 11-0149	EA		36" x 48" Aluminum Non ReflectORIZED Traffic Sign .....	196.17	28.28
10 14 53 11-0150	EA		36" x 54" Aluminum Non ReflectORIZED Traffic Sign .....	213.63	28.28
10 14 53 11-0151	EA		36" x 60" Aluminum Non ReflectORIZED Traffic Sign .....	238.62	32.04
10 14 53 11-0152	EA		36" x 73" Aluminum Non ReflectORIZED Traffic Sign .....	283.97	35.82
10 14 53 11-0153	EA		36" x 78" Aluminum Non ReflectORIZED Traffic Sign .....	298.51	35.82
10 14 53 11-0154	EA		36" x 108" Aluminum Non ReflectORIZED Traffic Sign .....	397.08	41.47
10 14 53 11-0155	EA		42" x 42" Aluminum Non ReflectORIZED Traffic Sign .....	199.08	28.28
10 14 53 11-0156	EA		48" x 48" Aluminum Non ReflectORIZED Traffic Sign .....	250.25	32.04
10 14 53 11-0157	EA		48" x 54" Aluminum Non ReflectORIZED Traffic Sign .....	281.06	35.82
10 14 53 11-0158	EA		48" x 60" Aluminum Non ReflectORIZED Traffic Sign .....	304.33	35.82
10 14 53 11-0159	EA		48" x 66" Aluminum Non ReflectORIZED Traffic Sign .....	338.91	41.47
10 14 53 11-0160	EA		48" x 72" Aluminum Non ReflectORIZED Traffic Sign .....	362.18	41.47
10 14 53 11-0161	EA		48" x 84" Aluminum Non ReflectORIZED Traffic Sign .....	416.26	45.25
10 14 53 11-0162	EA		48" x 96" Aluminum Non ReflectORIZED Traffic Sign .....	462.80	45.25
10 14 53 11-0163	EA		48" x 102" Aluminum Non ReflectORIZED Traffic Sign .....	486.06	45.25
10 14 53 11-0164	EA		48" x 108" Aluminum Non ReflectORIZED Traffic Sign .....	513.10	47.13
10 14 53 11-0165	EA		60" x 72" Aluminum Non ReflectORIZED Traffic Sign .....	439.53	45.25
10 14 53 11-0166	EA		72" x 144" Aluminum Non ReflectORIZED Traffic Sign .....	958.34	60.33
10 14 53 11-0167	EA		78" x 96" Aluminum Non ReflectORIZED Traffic Sign .....	699.26	47.13

**10 14 53 11-0168 Aluminum Street Signs** (10 14 53 11-0001)

Note: Excludes posts.

**10 14 53 11-0169 Aluminum Engineer Grade Street Signs** (10 14 53 11-0168)

10 14 53 11-0170	EA		6" High, Aluminum Engineer Grade Street Sign.....	68.55	7.54
			<i>For Hi-Intensity Grade, Add</i>	16.04	
10 14 53 11-0171	EA		8" High, Aluminum Engineer Grade Street Sign.....	77.99	7.54
			<i>For Hi-Intensity Grade, Add</i>	18.87	
10 14 53 11-0172	EA		9" High, Aluminum Engineer Grade Street Sign.....	85.02	7.54
			<i>For Hi-Intensity Grade, Add</i>	20.98	

**10 14 53 11-0173 Street Sign Accessories** (10 14 53 11-0168)

10 14 53 11-0174	EA		Single Bracket And Post Cap For Street Sign.....	20.40	3.77
10 14 53 11-0175	EA		Double Bracket And Post Cap For Street Sign .....	20.40	3.77

**10 14 53 11-0176 Sign Posts** (10 14 53 11-0001)

Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.

**10 14 53 11-0177 U-Channel Sign Posts** (10 14 53 11-0176)

Note: Excludes digging and concrete.

**10 14 53 11-0178 Baked Enamel U-Channel Sign Posts** (10 14 53 11-0177)

10 14 53 11-0179	EA		3' To 4' Baked Enamel U-Channel Sign Post Base.....	53.26	15.47
10 14 53 11-0180	EA		6' Baked Enamel U-Channel Sign Post.....	70.05	19.33
10 14 53 11-0181	EA		7' Baked Enamel U-Channel Sign Post.....	83.63	23.20

**10 Specialties****10 10 Information Specialties****10 14 Signage**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
10 14 53 11-0182	EA	8' Baked Enamel U-Channel Sign Post.....	97.93		27.07
10 14 53 11-0183	EA	10' Baked Enamel U-Channel Sign Post.....	118.14		32.86
10 14 53 11-0184	EA	12' Baked Enamel U-Channel Sign Post.....	121.71		32.86
<b>10 14 53 11-0185</b>		<b>Galvanized Steel U-Channel Sign Posts</b> (10 14 53 11-0177)			
10 14 53 11-0186	EA	3' To 4' Galvanized Steel U-Channel Sign Post Base.....	57.86		15.47
10 14 53 11-0187	EA	6' Galvanized Steel U-Channel Sign Post.....	77.35		19.33
10 14 53 11-0188	EA	7' Galvanized Steel U-Channel Sign Post.....	100.14		23.20
10 14 53 11-0189	EA	8' Galvanized Steel U-Channel Sign Post.....	116.18		27.07
10 14 53 11-0190	EA	10' Galvanized Steel U-Channel Sign Post.....	131.42		32.86
10 14 53 11-0191	EA	12' Galvanized Steel U-Channel Sign Post.....	133.27		32.86
<b>10 14 53 11-0192</b>		<b>Fiberglass Or Composite Plastic U-Channel Sign Posts</b> (10 14 53 11-0177)			
10 14 53 11-0193	EA	3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base.....	52.17		15.47
10 14 53 11-0194	EA	6' Fiberglass Or Composite Plastic U-Channel Sign Post.....	67.69		19.33
10 14 53 11-0195	EA	7' Fiberglass Or Composite Plastic U-Channel Sign Post.....	80.78		23.20
10 14 53 11-0196	EA	8' Fiberglass Or Composite Plastic U-Channel Sign Post.....	94.54		27.07
10 14 53 11-0197	EA	10' Fiberglass Or Composite Plastic U-Channel Sign Post.....	111.98		32.86
10 14 53 11-0198	EA	12' Fiberglass Or Composite Plastic U-Channel Sign Post.....	118.06		32.86
<b>10 14 53 11-0199</b>		<b>Tubular Sign Posts</b> (10 14 53 11-0176)			
		Note: Excludes digging and concrete.			
<b>10 14 53 11-0200</b>		<b>2-3/8" Diameter, Galvanized Steel Tubular Sign Post</b> (10 14 53 11-0199)			
10 14 53 11-0201	EA	6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	78.11		19.33
10 14 53 11-0202	EA	7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	92.65		23.20
10 14 53 11-0203	EA	8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	109.49		27.07
10 14 53 11-0204	EA	10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	141.41		32.86
10 14 53 11-0205	EA	12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	153.95		32.86
<b>10 14 53 11-0206</b>		<b>Square Sign Posts</b> (10 14 53 11-0176)			
		Note: Excludes digging and concrete.			
<b>10 14 53 11-0207</b>		<b>Galvanized Steel Square Sign Posts</b> (10 14 53 11-0206)			
10 14 53 11-0208	EA	3' To 4' Galvanized Steel Square Sign Post Base.....	58.88		15.47
10 14 53 11-0209	EA	6' Galvanized Steel Square Sign Post.....	94.64		19.33
10 14 53 11-0210	EA	7' Galvanized Steel Square Sign Post.....	110.90		23.20
10 14 53 11-0211	EA	8' Galvanized Steel Square Sign Post.....	129.35		27.07
10 14 53 11-0212	EA	10' Galvanized Steel Square Sign Post.....	157.99		32.86
10 14 53 11-0213	EA	12' Galvanized Steel Square Sign Post.....	166.73		32.86
<b>10 14 53 11-0214</b>		<b>Standard Driven Street Sign Posts, Square</b> (10 14 53 11-0176)			
10 14 53 11-0215	EA	12' x 2" Square 12 Gauge Galvanized Steel Sign Post With 1'-6" x 2-1/2" Square Sleeve And 2'-6" x 2-1/4" Square Anchor Driven Into Earth.....	200.20		32.86
<b>10 14 53 11-0216</b>		<b>Sign Post Accessories</b> (10 14 53 11-0001)			
<b>10 14 53 11-0217</b>		<b>Sign Post Brackets</b> (10 14 53 11-0216)			
10 14 53 11-0218	EA	2-3/8" Outside Diameter, Single Sign Bracket Set.....	26.75		5.65
10 14 53 11-0219	EA	2-3/8" Outside Diameter, Double Sign Bracket Set.....	48.41		9.43
10 14 53 11-0220	EA	10 cm - 37 cm Diameter, Buckle Bracket Set.....	41.84		7.54
<b>10 14 53 11-0221</b>		<b>Sign Post Caps</b> (10 14 53 11-0216)			
10 14 53 11-0222	EA	Traffic Sign Post Cap.....	14.71		3.77
<b>10 14 53 11-0223</b>		<b>Sign Post Replacement Bolts</b> (10 14 53 11-0216)			
10 14 53 11-0224	EA	Signage Fasteners Replacement.....	9.96		
		Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers			
<b>10 14 53 11-0225</b>		<b>Removal Of Signs</b> (10 14 53 11)			
		Note: Includes structural supports.			
10 14 53 11-0226	EA	>4 To 10 SF Sign Area, Sign Removal.....	150.82		
10 14 53 11-0227	EA	>10 To 20 SF Sign Area, Sign Removal.....	361.96		
10 14 53 11-0228	EA	>20 To 40 SF Sign Area, Sign Removal.....	542.93		
10 14 53 11-0229	EA	>40 To 100 SF Sign Area, Sign Removal.....	909.64		
<b>10 14 53 11-0230</b>		<b>Removal And Reinstallation Of Signs</b> (10 14 53 11)			
		Note: Includes structural supports.			
10 14 53 11-0231	EA	>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign.....	230.24		
10 14 53 11-0232	EA	>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign.....	545.79		
10 14 53 11-0233	EA	>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign.....	816.84		
10 14 53 11-0234	EA	>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign.....	1,366.72		
10 14 53 11-0235	EA	Removal And Reinstallation Of Street Sign On Post.....	86.72		
10 14 53 11-0236	EA	Removal And Relocation Of Traffic Light.....	318.38		
		Note: Excludes electrical hookup.			

<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**10 14 56 Bridge Signage (10 14)**

10 14 56 00-0001	Bridge And Truss Mounted Signs (10 14 56)	
10 14 56 00-0002	Removal Of Bridge And Truss Mounted Signs (10 14 56 00-0001)	
10 14 56 00-0003	CF Removal Of Foundation .....15.01	
	Note: Including Excavation	
10 14 56 00-0004	LF Removal Of Truss And Supports .....198.65	
10 14 56 00-0005	SF Removal Of Sign Face .....9.08	
10 14 56 00-0006	SF Removal Of Legend .....15.13	
10 14 56 00-0007	EA Removal Of Changeable Message Panel .....174.63	
10 14 56 00-0008	EA Removal Of Posts And Supports, Per Post .....90.81	
10 14 56 00-0009	Fabricate And Install Bridge And Truss Mounted Signs (10 14 56 00-0001)	
10 14 56 00-0010	CY Foundation For Sign Excavation, Backfill, Compaction, Concrete, Rebar, Forms And Finish .....531.69	
10 14 56 00-0011	LF Telescoping Steel Ground Posts .....65.71	
10 14 56 00-0012	LF Overhead Steel Mounting Framework .....1,102.70	
10 14 56 00-0013	LB Ground Mounted Steel Structure .....4.16	
10 14 56 00-0014	Fabricate And Install New 12" Extruded Aluminum Channel (10 14 56 00-0001)	
	Note: Includes reflective face with reflective legend.	
10 14 56 00-0015	SF 1 To 49.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend .....84.59	
10 14 56 00-0016	SF 50 To 99.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend .....75.20	
10 14 56 00-0017	SF 100 To 149.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend .....67.15	
10 14 56 00-0018	SF >150 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend .....60.31	
10 14 56 00-0019	Fabricate And Install New Reflective Messages On Sign Face (10 14 56 00-0001)	
10 14 56 00-0020	One Color/3 Dimensional Demountable Letters (10 14 56 00-0019)	
10 14 56 00-0021	EA 6" Capital Height Letter .....26.29	
10 14 56 00-0022	EA 8" Capital Height Letter .....31.11	
10 14 56 00-0023	EA 10" Capital Height Letter .....35.91	
10 14 56 00-0024	EA 12" Capital Height Letter .....40.27	
10 14 56 00-0025	EA 14" Capital Height Letter .....42.90	
10 14 56 00-0026	Two Color Legend Shields-Die Cut Vinyl Engineer Grade (10 14 56 00-0019)	
10 14 56 00-0027	EA 6" Legend/Shields .....27.17	
10 14 56 00-0028	EA 8" Legend/Shields .....32.29	
10 14 56 00-0029	EA 10" Legend/Shields .....37.38	
10 14 56 00-0030	EA 12" Legend/Shields .....42.04	
10 14 56 00-0031	EA 14" Legend/Shields .....44.98	
10 14 56 00-0032	Fabricate And Install New Changeable Message Panel (10 14 56 00-0001)	
10 14 56 00-0033	SF One Color Hi-Intensity Die Cut Vinyl Letters on Demountable Panel .....31.24	

**10 14 63 Electronic Message Signage (10 14)**

10 14 63 00-0001	Dynamic Signs (10 14 63)	
10 14 63 00-0002	Programming/Software And Repair (10 14 63 00-0001)	
10 14 63 00-0003	HR Programming Message, Graphic Visuals, Movement Of Message, And Timing Of Visuals On Screen .....152.79	
10 14 63 00-0004	HR Repair/Replacement Of Electronic Sign And Computer Components .....95.49	
10 14 63 00-0005	HR Repair Flip Disks Or Light Source .....95.49	
10 14 63 00-0006	Fabricate And Install New Sign Cabinets (10 14 63 00-0001)	
10 14 63 00-0007	Cabinet For Flip Disk Display (10 14 63 00-0006)	
10 14 63 00-0008	SF 1 To 99 SF Cabinet .....175.93	
10 14 63 00-0009	SF 100 To 200 SF Cabinet .....144.47	
10 14 63 00-0010	Fabricate And Install New Sign Face Components (10 14 63 00-0001)	
10 14 63 00-0011	Enhanced Flip Disk Display (10 14 63 00-0010)	
10 14 63 00-0012	EA Enhanced Flip Disk .....130.07	
10 14 63 00-0013	SF Lexan Lens For Flip Disk Sign .....51.52	
10 14 63 00-0014	Disappearing Copy Sign (10 14 63 00-0010)	
10 14 63 00-0015	SF 1 To 49.9 SF, Disappearing Copy Sign .....42.40	
10 14 63 00-0016	SF =>50 SF, Disappearing Copy Sign .....30.55	
10 14 63 00-0017	Fabricate And Install Transfer Lights And Signs (10 14 63 00-0001)	
10 14 63 00-0018	EA Passenger Transfer Signage .....534.49	

<b>10</b>	<b>10 Specialties</b>
	<b>10 20 Interior Specialties</b>
	<b>10 14 Signage</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 20 Interior Specialties (10)

10 21 Compartments and Cubicles (10 20)

10 21 13 Toilet Compartments (10 21)

10 21 13 13 Metal Toilet Compartments (10 21 13)

10 21 13 13-0001 Enamel Coated Steel Toilet Partitions And Urinal Screens (10 21 13 13)

Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.

10 21 13 13-0002 Enamel Coated Steel Toilet Partitions (10 21 13 13-0001)

Note: All colors.

10 21 13 13-0003 Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002)

10 21 13 13-0004	EA	36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	825.28		117.97
		<i>For &gt;10, Deduct</i>	-58.93		
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79		
10 21 13 13-0005	EA	60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition.....	993.22		128.46
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79		
10 21 13 13-0006	EA	60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition.....	1,059.58		133.71
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79		

10 21 13 13-0007 Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002)

Note: Includes headrail.

10 21 13 13-0008	EA	36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	866.50		144.20
		<i>For &gt;10, Deduct</i>	-57.81		
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79		
10 21 13 13-0009	EA	60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition.....	1,002.26		154.68
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79		
10 21 13 13-0010	EA	60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition.....	1,058.25		159.92
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79		

10 21 13 13-0011 Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002)

Note: Excludes above ceiling steel.

10 21 13 13-0012	EA	36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	1,022.79		170.41
		<i>For &gt;10, Deduct</i>	-68.20		
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79		
10 21 13 13-0013	EA	60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition.....	1,186.38		180.90
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79		
10 21 13 13-0014	EA	60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition.....	1,244.79		186.14
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79		

10 21 13 13-0015 Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002)

Note: Excludes above ceiling steel.

10 21 13 13-0016	EA	36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	999.36		196.63
		<i>For &gt;10, Deduct</i>	-60.61		
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79		
10 21 13 13-0017	EA	60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,189.72		207.12
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79		
10 21 13 13-0018	EA	60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,254.46		212.36
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79		

10 21 13 13-0019 Enamel Coated Steel Urinal Screens (10 21 13 13-0001)

Note: All colors.

10 21 13 13-0020 Floor Anchored, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)

10 21 13 13-0021	EA	24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	440.70		73.38
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71		
10 21 13 13-0022	EA	36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	487.59		78.61
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71		
10 21 13 13-0023	EA	48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	535.86		83.86
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71		

10 21 13 13-0024 Wall Hung, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)

10 21 13 13-0025	EA	18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen.....	257.37		62.89
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71		
10 21 13 13-0026	EA	24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen.....	277.66		68.13
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0027 EA 30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	293.72 48.71	73.38
<b>10 21 13 13-0028 Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens</b> (10 21 13 13-0019)		
10 21 13 13-0029 EA 18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	327.99 48.71	68.13
<b>10 21 13 13-0030 Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens</b> (10 21 13 13-0019)		
10 21 13 13-0031 EA 18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	364.44 48.71	68.13
10 21 13 13-0032 EA 24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	388.92 48.71	73.38
10 21 13 13-0033 EA 30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	413.39 48.71	78.61
<b>10 21 13 13-0034 Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens</b> (10 21 13 13-0019)		
10 21 13 13-0035 EA 22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	409.90 48.71	73.38
10 21 13 13-0036 EA 34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	439.99 48.71	78.61
10 21 13 13-0037 EA 46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	485.47 48.71	83.86
<b>10 21 13 13-0038 Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters</b> (10 21 13 13-0001) Note: All colors.		
<b>10 21 13 13-0039 Enamel Coated Steel, Toilet Partition Doors</b> (10 21 13 13-0038)		
10 21 13 13-0040 EA 24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	254.72 78.38	20.97
10 21 13 13-0041 EA 26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	260.32 78.38	20.97
10 21 13 13-0042 EA 30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	276.06 78.38	22.55
10 21 13 13-0043 EA 34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	301.25 78.38	22.55
10 21 13 13-0044 EA 36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	306.85 78.38	22.55
<b>10 21 13 13-0045 Enamel Coated Steel, Toilet Partition Panels</b> (10 21 13 13-0038)		
10 21 13 13-0046 EA 6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	188.90 48.71	31.46
10 21 13 13-0047 EA 12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	208.14 48.71	34.08
10 21 13 13-0048 EA 18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	227.39 48.71	36.70
10 21 13 13-0049 EA 24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	246.63 48.71	39.33
10 21 13 13-0050 EA 30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	265.87 48.71	41.95
10 21 13 13-0051 EA 36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	285.10 48.71	44.57
10 21 13 13-0052 EA 42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	302.95 48.71	47.19
10 21 13 13-0053 EA 48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	322.19 48.71	49.82
10 21 13 13-0054 EA 55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	335.84 48.71	52.43
10 21 13 13-0055 EA 58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	343.53 42.00 48.71	53.48
10 21 13 13-0056 EA 60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	353.68 42.00 48.71	55.05
10 21 13 13-0057 EA 70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	385.52 42.00 48.71	57.67
10 21 13 13-0058 EA 78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	413.16 42.00 48.71	60.30
<b>10 21 13 13-0059 70" Long, Enamel Coated Steel, Toilet Partition Pilasters</b> (10 21 13 13-0038)		
10 21 13 13-0060 EA Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	140.64 48.71	15.74
10 21 13 13-0061 EA 5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	155.68 48.71	18.35
10 21 13 13-0062 EA 6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	172.13 48.71	20.97
10 21 13 13-0063 EA 8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	199.77 48.71	23.59

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0064	EA		10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	226.01 48.71	26.21
10 21 13 13-0065	EA		12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	252.24 48.71	28.84
10 21 13 13-0066	EA		18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	323.28 48.71	31.46
10 21 13 13-0067	EA		22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	370.52 48.71	34.08
10 21 13 13-0068	EA		24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	398.16 48.71	36.70
<b>10 21 13 13-0069</b>			<b>82" Long, Enamel Coated Steel, Toilet Partition Pilasters (10 21 13 13-0038)</b>		
10 21 13 13-0070	EA		Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	114.05 48.71	15.74
10 21 13 13-0071	EA		5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	124.89 48.71	18.35
10 21 13 13-0072	EA		6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	137.14 48.71	20.97
10 21 13 13-0073	EA		8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	154.97 48.71	23.59
10 21 13 13-0074	EA		10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	171.41 48.71	26.21
10 21 13 13-0075	EA		12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	189.25 48.71	28.84
10 21 13 13-0076	EA		18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	232.30 48.71	31.46
10 21 13 13-0077	EA		22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	261.33 48.71	34.08
10 21 13 13-0078	EA		24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	279.18 48.71	36.70
<b>10 21 13 13-0079</b>			<b>96" To 120" Long, Enamel Coated Steel, Partition Pilasters (10 21 13 13-0038)</b>		
10 21 13 13-0080	EA		Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	158.13 48.71	20.97
10 21 13 13-0081	EA		5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	173.17 48.71	23.59
10 21 13 13-0082	EA		6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	189.61 48.71	26.21
10 21 13 13-0083	EA		8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	217.25 48.71	28.84
10 21 13 13-0084	EA		10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	243.49 48.71	31.46
10 21 13 13-0085	EA		12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	269.73 48.71	34.08
10 21 13 13-0086	EA		18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	340.77 48.71	36.70
10 21 13 13-0087	EA		22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	388.01 48.71	39.33
10 21 13 13-0088	EA		24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	415.65 48.71	41.95
<b>10 21 13 14</b>			<b>Stainless-Steel Toilet Compartments (10 21 13)</b>		
<b>10 21 13 14-0001</b>			<b>Stainless Steel Toilet Partitions And Urinal Screens (10 21 13 14)</b> Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.		
<b>10 21 13 14-0002</b>			<b>Stainless Steel Toilet Partitions (10 21 13 14-0001)</b>		
<b>10 21 13 14-0003</b>			<b>Floor Anchored, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002)</b>		
10 21 13 14-0004	EA		36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,767.00 -153.10 175.79 535.86	117.97
10 21 13 14-0005	EA		60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,127.52 175.79 654.71	128.46
10 21 13 14-0006	EA		60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,227.99 175.79 686.20	133.71
<b>10 21 13 14-0007</b>			<b>Overhead Braced, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002)</b> Note: Includes headrail.		
10 21 13 14-0008	EA		36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,515.20 -122.68 175.79 429.39	144.20

<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Compartments and Cubicles</b>	<b>10 21</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0009	EA		60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,835.37	154.68
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For Diamond Pattern Finish, Add</i>	534.10	
10 21 13 14-0010	EA		60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,996.28	159.92
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For Diamond Pattern Finish, Add</i>	586.75	
<b>10 21 13 14-0011</b>			<b>Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions</b> <small>(10 21 13 14-0002)</small>		
			<small>Note: Excludes above ceiling steel.</small>		
10 21 13 14-0012	EA		36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition.....	2,086.12	170.41
			<i>For &gt;10, Deduct</i>	-174.53	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For Diamond Pattern Finish, Add</i>	610.86	
10 21 13 14-0013	EA		60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,236.63	180.90
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For Diamond Pattern Finish, Add</i>	656.19	
10 21 13 14-0014	EA		60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,339.97	186.14
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For Diamond Pattern Finish, Add</i>	688.69	
<b>10 21 13 14-0015</b>			<b>Ceiling Hung, Stainless Steel, Complete Toilet Partitions</b> <small>(10 21 13 14-0002)</small>		
			<small>Note: Excludes above ceiling steel.</small>		
10 21 13 14-0016	EA		36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition.....	2,099.54	196.63
			<i>For &gt;10, Deduct</i>	-170.63	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For Diamond Pattern Finish, Add</i>	597.20	
10 21 13 14-0017	EA		60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,541.62	207.12
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For Diamond Pattern Finish, Add</i>	744.59	
10 21 13 14-0018	EA		60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,670.22	212.36
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For Diamond Pattern Finish, Add</i>	785.93	
<b>10 21 13 14-0019</b>			<b>Stainless Steel Urinal Screens</b> <small>(10 21 13 14-0001)</small>		
<b>10 21 13 14-0020</b>			<b>Floor Anchored, Stainless Steel, Urinal Screens</b> <small>(10 21 13 14-0019)</small>		
10 21 13 14-0021	EA		24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen.....	598.10	73.38
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Diamond Pattern Finish, Add</i>	157.98	
10 21 13 14-0022	EA		36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen.....	675.11	78.61
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Diamond Pattern Finish, Add</i>	181.25	
10 21 13 14-0023	EA		48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen.....	691.04	83.86
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Diamond Pattern Finish, Add</i>	183.17	
<b>10 21 13 14-0024</b>			<b>Wall Hung, Stainless Steel, Urinal Screens</b> <small>(10 21 13 14-0019)</small>		
10 21 13 14-0025	EA		18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen.....	446.01	62.89
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Diamond Pattern Finish, Add</i>	112.08	
10 21 13 14-0026	EA		24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen.....	482.65	68.13
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Diamond Pattern Finish, Add</i>	121.23	
10 21 13 14-0027	EA		30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen.....	526.46	73.38
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Diamond Pattern Finish, Add</i>	132.90	
<b>10 21 13 14-0028</b>			<b>Wall Hung And Post Supported, Stainless Steel, Urinal Screens</b> <small>(10 21 13 14-0019)</small>		
10 21 13 14-0029	EA		18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen.....	709.34	68.13
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Diamond Pattern Finish, Add</i>	200.57	
10 21 13 14-0030	EA		24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen.....	744.32	73.38
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Diamond Pattern Finish, Add</i>	209.15	
10 21 13 14-0031	EA		30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen.....	779.14	78.61
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Diamond Pattern Finish, Add</i>	217.67	
<b>10 21 13 14-0032</b>			<b>Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens</b> <small>(10 21 13 14-0019)</small>		
10 21 13 14-0033	EA		22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen.....	598.10	73.38
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Diamond Pattern Finish, Add</i>	157.98	
10 21 13 14-0034	EA		34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen.....	675.11	78.61
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Diamond Pattern Finish, Add</i>	181.25	
10 21 13 14-0035	EA		46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen.....	755.23	83.86
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Diamond Pattern Finish, Add</i>	205.63	

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
10 21 13 14-0036		Stainless Steel Toilet Partition Doors, Panels And Pilasters (10 21 13 14-0001)			
10 21 13 14-0037		Stainless Steel, Toilet Partition Doors (10 21 13 14-0036)			
10 21 13 14-0038	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Door.....	383.39		20.97
		For Heavy Gauge Full-Height SS Hinge, Add	78.38		
		For Diamond Pattern Finish, Add	119.50		
10 21 13 14-0039	EA	26" x 58" x 1", Stainless Steel, Toilet Partition Door.....	437.32		20.97
		For Heavy Gauge Full-Height SS Hinge, Add	78.38		
		For Diamond Pattern Finish, Add	138.38		
10 21 13 14-0040	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Door.....	450.03		23.59
		For Heavy Gauge Full-Height SS Hinge, Add	78.38		
		For Diamond Pattern Finish, Add	140.99		
10 21 13 14-0041	EA	34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door.....	465.60		23.59
		For Heavy Gauge Full-Height SS Hinge, Add	78.38		
		For Diamond Pattern Finish, Add	146.44		
10 21 13 14-0042	EA	36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door.....	469.93		23.59
		For Heavy Gauge Full-Height SS Hinge, Add	78.38		
		For Diamond Pattern Finish, Add	147.96		
10 21 13 14-0043		Stainless Steel, Toilet Partition Panels (10 21 13 14-0036)			
10 21 13 14-0044	EA	6" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	336.90		31.46
		For Heavy Gauge Full-Height SS Brackets, Add	48.71		
		For Diamond Pattern Finish, Add	95.89		
10 21 13 14-0045	EA	12" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	373.78		34.08
		For Heavy Gauge Full-Height SS Brackets, Add	48.71		
		For Diamond Pattern Finish, Add	106.97		
10 21 13 14-0046	EA	18" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	389.97		36.70
		For Heavy Gauge Full-Height SS Brackets, Add	48.71		
		For Diamond Pattern Finish, Add	110.80		
10 21 13 14-0047	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	408.22		39.33
		For Heavy Gauge Full-Height SS Brackets, Add	48.71		
		For Diamond Pattern Finish, Add	115.35		
10 21 13 14-0048	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	438.06		41.95
		For Heavy Gauge Full-Height SS Brackets, Add	48.71		
		For Diamond Pattern Finish, Add	123.96		
10 21 13 14-0049	EA	36" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	472.55		44.57
		For Heavy Gauge Full-Height SS Brackets, Add	48.71		
		For Diamond Pattern Finish, Add	134.20		
10 21 13 14-0050	EA	42" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	550.77		47.19
		For Heavy Gauge Full-Height SS Brackets, Add	48.71		
		For Diamond Pattern Finish, Add	159.74		
10 21 13 14-0051	EA	48" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	602.26		49.82
		For Heavy Gauge Full-Height SS Brackets, Add	48.71		
		For Diamond Pattern Finish, Add	175.92		
10 21 13 14-0052	EA	55" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	618.46		52.43
		For Heavy Gauge Full-Height SS Brackets, Add	48.71		
		For Diamond Pattern Finish, Add	179.76		
10 21 13 14-0053	EA	58" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	648.54		53.48
		For Heavy Gauge Full-Height SS Brackets, Add	48.71		
		For Diamond Pattern Finish, Add	189.55		
10 21 13 14-0054	EA	60" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	688.20		55.05
		For Heavy Gauge Full-Height SS Brackets, Add	48.71		
		For Diamond Pattern Finish, Add	202.33		
10 21 13 14-0055	EA	70" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	721.09		57.67
		For Heavy Gauge Full-Height SS Brackets, Add	48.71		
		For Diamond Pattern Finish, Add	212.01		
10 21 13 14-0056	EA	78" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	789.96		60.30
		For Heavy Gauge Full-Height SS Brackets, Add	48.71		
		For Diamond Pattern Finish, Add	234.28		
10 21 13 14-0057		70" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)			
10 21 13 14-0058	EA	Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	231.05		15.74
		For Heavy Gauge Full-Height SS Brackets, Add	48.71		
		For Diamond Pattern Finish, Add	69.86		
10 21 13 14-0059	EA	5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	252.12		18.35
		For Heavy Gauge Full-Height SS Brackets, Add	48.71		
		For Diamond Pattern Finish, Add	75.40		
10 21 13 14-0060	EA	6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	274.40		20.97
		For Heavy Gauge Full-Height SS Brackets, Add	48.71		
		For Diamond Pattern Finish, Add	81.36		
10 21 13 14-0061	EA	8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	312.50		23.59
		For Heavy Gauge Full-Height SS Brackets, Add	48.71		
		For Diamond Pattern Finish, Add	92.86		
10 21 13 14-0062	EA	10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	350.60		26.21
		For Heavy Gauge Full-Height SS Brackets, Add	48.71		
		For Diamond Pattern Finish, Add	104.36		
10 21 13 14-0063	EA	12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	388.70		28.84
		For Heavy Gauge Full-Height SS Brackets, Add	48.71		
		For Diamond Pattern Finish, Add	115.86		
10 21 13 14-0064	EA	18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	491.32		31.46
		For Heavy Gauge Full-Height SS Brackets, Add	48.71		
		For Diamond Pattern Finish, Add	149.94		
10 21 13 14-0065	EA	22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	562.28		34.08
		For Heavy Gauge Full-Height SS Brackets, Add	48.71		
		For Diamond Pattern Finish, Add	172.94		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 14-0066	EA 24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	600.39 48.71 184.44	36.70
<b>10 21 13 14-0067</b>	<b>82" Long, Stainless Steel, Toilet Partition Pilasters</b> <small>(10 21 13 14-0036)</small>		
10 21 13 14-0068	EA Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	178.16 48.71 51.35	15.74
10 21 13 14-0069	EA 5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	193.44 48.71 54.86	18.35
10 21 13 14-0070	EA 6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	209.24 48.71 58.55	20.97
10 21 13 14-0071	EA 8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	270.16 48.71 78.04	23.59
10 21 13 14-0072	EA 10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	304.75 48.71 88.31	26.21
10 21 13 14-0073	EA 12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	316.07 48.71 90.44	28.84
10 21 13 14-0074	EA 18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	357.65 48.71 103.16	31.46
10 21 13 14-0075	EA 22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	402.85 48.71 117.14	34.08
10 21 13 14-0076	EA 24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	427.91 48.71 124.08	36.70
<b>10 21 13 14-0077</b>	<b>96" To 120" Long, Stainless Steel, Toilet Partition Pilasters</b> <small>(10 21 13 14-0036)</small>		
10 21 13 14-0078	EA Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	254.93 48.71 74.54	20.97
10 21 13 14-0079	EA 5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	279.64 48.71 81.36	23.59
10 21 13 14-0080	EA 6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	303.14 48.71 87.75	26.21
10 21 13 14-0081	EA 8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	347.33 48.71 101.38	28.84
10 21 13 14-0082	EA 10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	390.30 48.71 114.58	31.46
10 21 13 14-0083	EA 12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	433.27 48.71 127.79	34.08
10 21 13 14-0084	EA 18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	554.14 48.71 168.26	36.70
10 21 13 14-0085	EA 22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	634.84 48.71 194.67	39.33
10 21 13 14-0086	EA 24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	679.03 48.71 208.30	41.95
<b>10 21 13 16</b>	<b>Plastic-Laminate-Clad Toilet Compartments</b> <small>(10 21 13)</small>		
<b>10 21 13 16-0001</b>	<b>Laminated Plastic Toilet Partitions And Urinal Screens</b> <small>(10 21 13 16)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high pressure decorative plastic laminate bonded to a solid industrial-grade particle board.		
<b>10 21 13 16-0002</b>	<b>Laminated Plastic Toilet Partitions</b> <small>(10 21 13 16-0001)</small> Note: Includes all standard Bobrick colors.		
<b>10 21 13 16-0003</b>	<b>Floor Anchored, Laminated Plastic, Complete Toilet Partitions</b> <small>(10 21 13 16-0002)</small>		
10 21 13 16-0004	EA 36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition <i>For &gt;10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,093.09 -85.71 141.25 175.79	117.97
10 21 13 16-0005	EA 60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,333.52 141.27 175.79	128.46

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0006	EA		60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,434.14	133.71
			<i>For Cast Stainless Steel Hardware, Add</i> .....	141.28	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> .....	175.79	
<b>10 21 13 16-0007</b>			<b>Overhead Braced, Laminated Plastic, Complete Toilet Partitions</b> (10 21 13 16-0002)		
			Note: Includes headrail.		
10 21 13 16-0008	EA		36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition.....	1,187.36	144.20
			<i>For &gt;10, Deduct</i> .....	-89.90	
			<i>For Cast Stainless Steel Hardware, Add</i> .....	141.29	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> .....	175.79	
10 21 13 16-0009	EA		60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,438.25	154.68
			<i>For Cast Stainless Steel Hardware, Add</i> .....	141.31	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> .....	175.79	
10 21 13 16-0010	EA		60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,546.71	159.92
			<i>For Cast Stainless Steel Hardware, Add</i> .....	141.31	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> .....	175.79	
<b>10 21 13 16-0011</b>			<b>Ceiling Hung, Laminated Plastic, Complete Toilet Partitions</b> (10 21 13 16-0002)		
			Note: Excludes above ceiling steel.		
10 21 13 16-0012	EA		36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition.....	1,588.51	196.63
			<i>For &gt;10, Deduct</i> .....	-119.53	
			<i>For Cast Stainless Steel Hardware, Add</i> .....	141.37	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> .....	175.79	
10 21 13 16-0013	EA		60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,847.46	207.12
			<i>For Cast Stainless Steel Hardware, Add</i> .....	141.38	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> .....	175.79	
10 21 13 16-0014	EA		60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,948.06	212.36
			<i>For Cast Stainless Steel Hardware, Add</i> .....	141.39	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> .....	175.79	
<b>10 21 13 16-0015</b>			<b>Laminated Plastic Urinal Screens</b> (10 21 13 16-0001)		
			Note: Includes all standard Bobrick colors.		
<b>10 21 13 16-0016</b>			<b>Floor Anchored, Laminated Plastic, Urinal Screens</b> (10 21 13 16-0015)		
10 21 13 16-0017	EA		24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen.....	466.41	73.38
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	48.71	
10 21 13 16-0018	EA		36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen.....	508.27	78.61
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	48.71	
10 21 13 16-0019	EA		48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen.....	524.89	83.86
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	48.71	
<b>10 21 13 16-0020</b>			<b>Wall Hung, Laminated Plastic, Urinal Screens</b> (10 21 13 16-0015)		
10 21 13 16-0021	EA		18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen.....	363.73	62.89
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	48.71	
10 21 13 16-0022	EA		24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen.....	383.17	68.13
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	48.71	
10 21 13 16-0023	EA		30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen.....	401.79	73.38
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	48.71	
<b>10 21 13 16-0024</b>			<b>Wall Hung And Post Supported, Laminated Plastic, Urinal Screens</b> (10 21 13 16-0015)		
10 21 13 16-0025	EA		18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen.....	479.02	68.13
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	48.71	
10 21 13 16-0026	EA		24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen.....	525.24	73.38
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	48.71	
10 21 13 16-0027	EA		30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen.....	575.25	78.61
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	48.71	
<b>10 21 13 16-0028</b>			<b>Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens</b> (10 21 13 16-0015)		
10 21 13 16-0029	EA		24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen.....	443.43	68.13
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	48.71	
10 21 13 16-0030	EA		36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen.....	486.15	73.38
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	48.71	
10 21 13 16-0031	EA		48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen.....	502.28	78.61
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> .....	48.71	
<b>10 21 13 16-0032</b>			<b>Laminated Plastic Toilet Partition Doors, Panels And Pilasters</b> (10 21 13 16-0001)		
			Note: Includes all standard Bobrick colors.		
<b>10 21 13 16-0033</b>			<b>Laminated Plastic, Toilet Partition Doors</b> (10 21 13 16-0032)		
10 21 13 16-0034	EA		24" x 58" x 1", Laminated Plastic, Toilet Partition Door.....	358.83	20.97
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i> .....	78.38	
10 21 13 16-0035	EA		26" x 58" x 1", Laminated Plastic, Toilet Partition Door.....	389.62	20.97
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i> .....	78.38	
10 21 13 16-0036	EA		30" x 58" x 1", Laminated Plastic, Toilet Partition Door.....	403.25	23.59
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i> .....	78.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0037	EA		34" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door.....	412.77	23.59
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.38	
10 21 13 16-0038	EA		36" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door.....	421.73	23.59
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.38	
<b>10 21 13 16-0039 Laminated Plastic, Toilet Partition Panels (10 21 13 16-0032)</b>					
10 21 13 16-0040	EA		6" x 58" x 1", Laminated Plastic, Toilet Partition Panel .....	187.72	31.46
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 16-0041	EA		12" x 58" x 1", Laminated Plastic, Toilet Partition Panel .....	207.47	34.08
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 16-0042	EA		18" x 58" x 1", Laminated Plastic, Toilet Partition Panel .....	227.23	36.70
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 16-0043	EA		24" x 58" x 1", Laminated Plastic, Toilet Partition Panel .....	247.73	39.33
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 16-0044	EA		30" x 58" x 1", Laminated Plastic, Toilet Partition Panel .....	266.75	41.95
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 16-0045	EA		36" x 58" x 1", Laminated Plastic, Toilet Partition Panel .....	287.32	44.57
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 16-0046	EA		42" x 58" x 1", Laminated Plastic, Toilet Partition Panel .....	294.27	47.19
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 16-0047	EA		48" x 58" x 1", Laminated Plastic, Toilet Partition Panel .....	302.29	49.82
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 16-0048	EA		55" x 58" x 1", Laminated Plastic, Toilet Partition Panel .....	318.20	52.43
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 16-0049	EA		58" x 58" x 1", Laminated Plastic, Toilet Partition Panel .....	331.17	53.48
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 16-0050	EA		60" x 58" x 1", Laminated Plastic, Toilet Partition Panel .....	345.81	55.05
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 16-0051	EA		70" x 58" x 1", Laminated Plastic, Toilet Partition Panel .....	393.05	57.67
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 16-0052	EA		78" x 58" x 1", Laminated Plastic, Toilet Partition Panel .....	446.43	60.30
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
<b>10 21 13 16-0053 69" Long, Laminated Plastic, Toilet Partition Pilasters (10 21 13 16-0032)</b>					
10 21 13 16-0054	EA		Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster .....	150.71	15.74
			<i>For 1-1/4" Pilaster, Add</i>	9.84	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Steel Core Pilaster, Add</i>	119.25	
10 21 13 16-0055	EA		5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	173.86	18.35
			<i>For 1-1/4" Pilaster, Add</i>	11.32	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Steel Core Pilaster, Add</i>	137.16	
10 21 13 16-0056	EA		6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	179.11	20.97
			<i>For 1-1/4" Pilaster, Add</i>	11.32	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Steel Core Pilaster, Add</i>	137.16	
10 21 13 16-0057	EA		8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	197.79	23.59
			<i>For 1-1/4" Pilaster, Add</i>	12.42	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Steel Core Pilaster, Add</i>	150.60	
10 21 13 16-0058	EA		10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	206.95	26.21
			<i>For 1-1/4" Pilaster, Add</i>	12.75	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Steel Core Pilaster, Add</i>	154.52	
10 21 13 16-0059	EA		12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	225.07	28.84
			<i>For 1-1/4" Pilaster, Add</i>	13.81	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Steel Core Pilaster, Add</i>	167.40	
10 21 13 16-0060	EA		18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	285.18	31.46
			<i>For 1-1/4" Pilaster, Add</i>	18.34	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Steel Core Pilaster, Add</i>	222.26	
10 21 13 16-0061	EA		22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	344.17	34.08
			<i>For 1-1/4" Pilaster, Add</i>	22.77	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Steel Core Pilaster, Add</i>	276.01	
10 21 13 16-0062	EA		24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	385.81	36.70
			<i>For 1-1/4" Pilaster, Add</i>	25.77	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Steel Core Pilaster, Add</i>	312.40	
<b>10 21 13 16-0063 83" Long, Laminated Plastic, Toilet Partition Pilasters (10 21 13 16-0032)</b>					
10 21 13 16-0064	EA		Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster .....	291.79	15.74
			<i>For 1-1/4" Pilaster, Add</i>	21.48	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Steel Core Pilaster, Add</i>	260.33	
10 21 13 16-0065	EA		5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	322.78	18.35
			<i>For 1-1/4" Pilaster, Add</i>	23.60	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Steel Core Pilaster, Add</i>	286.08	
10 21 13 16-0066	EA		6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	328.03	20.97
			<i>For 1-1/4" Pilaster, Add</i>	23.60	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For Steel Core Pilaster, Add</i>	286.08	

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 16-0067	EA		8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	355.11 25.40 48.71 307.92	23.59
10 21 13 16-0068	EA		10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	387.78 27.67 48.71 335.35	26.21
10 21 13 16-0069	EA		12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	414.29 29.42 48.71 356.62	28.84
10 21 13 16-0070	EA		18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	514.45 37.25 48.71 451.53	31.46
10 21 13 16-0071	EA		22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	585.46 42.68 48.71 517.30	34.08
10 21 13 16-0072	EA		24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	601.35 43.56 48.71 527.94	36.70

**10 21 13 19 Plastic Toilet Compartments (10 21 13)**

10 21 13 19-0001			<b>Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens</b> (10 21 13 19) Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0002			<b>Recycled Solid Plastic (HDPE) Toilet Partitions</b> (10 21 13 19-0001) Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0003			<b>Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> (10 21 13 19-0002) Note: Includes headrail.		
10 21 13 19-0004	EA		36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,315.85 -102.75 175.79 637.03	144.20
10 21 13 19-0005	EA		60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,607.43 175.79 804.80	154.68
10 21 13 19-0006	EA		60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,774.97 175.79 902.18	159.92
10 21 13 19-0007			<b>Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> (10 21 13 19-0002) Note: Excludes above ceiling steel.		
10 21 13 19-0008	EA		36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,329.36 -98.85 175.79 612.89	170.41
10 21 13 19-0009	EA		60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,646.07 175.79 796.25	180.90
10 21 13 19-0010	EA		60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,813.62 175.79 893.63	186.14
10 21 13 19-0011			<b>Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> (10 21 13 19-0002) Note: Excludes above ceiling steel.		
10 21 13 19-0012	EA		36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,404.21 -101.10 175.79 626.80	196.63
10 21 13 19-0013	EA		60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,651.75 175.79 767.26	207.12
10 21 13 19-0014	EA		60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,819.29 175.79 864.64	212.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 21 13 19-0015</b>	<b>Recycled Solid Plastic (HDPE) Urinal Screens</b> <small>(10 21 13 19-0001)</small> Note: Includes all standard Columbia Partitions colors.		
<b>10 21 13 19-0016</b>	<b>Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0015)</small>		
10 21 13 19-0017	EA 18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen ..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	322.62 48.71 122.03	62.89
10 21 13 19-0018	EA 24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen ..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	340.87 48.71 126.85	68.13
<b>10 21 13 19-0019</b>	<b>Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0015)</small>		
10 21 13 19-0020	EA 18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen ..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	403.82 48.71 165.88	68.13
10 21 13 19-0021	EA 24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen ..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	503.47 48.71 221.17	73.38
10 21 13 19-0022	EA 30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen ..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	557.86 48.71 248.39	78.61
<b>10 21 13 19-0023</b>	<b>Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0015)</small>		
10 21 13 19-0024	EA 24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen ..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	414.30 48.71 165.88	73.38
10 21 13 19-0025	EA 36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen ..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	513.95 48.71 221.17	78.61
10 21 13 19-0026	EA 48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen ..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	604.77 48.71 270.97	83.86
<b>10 21 13 19-0027</b>	<b>Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 19-0001)</small> Note: Includes all standard Columbia Partitions colors.		
<b>10 21 13 19-0028</b>	<b>Recycled Solid Plastic (HDPE), Toilet Partition Doors</b> <small>(10 21 13 19-0027)</small>		
10 21 13 19-0029	EA 24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door ..... For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add	306.41 78.38 163.97	20.97
10 21 13 19-0030	EA 26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door ..... For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add	330.48 78.38 178.89	20.97
10 21 13 19-0031	EA 30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door ..... For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add	359.61 78.38 193.70	23.59
10 21 13 19-0032	EA 34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door ..... For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add	408.32 78.38 223.90	23.59
10 21 13 19-0033	EA 36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door ..... For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add	419.84 78.38 231.04	23.59
<b>10 21 13 19-0034</b>	<b>Recycled Solid Plastic (HDPE), Toilet Partition Panels</b> <small>(10 21 13 19-0027)</small>		
10 21 13 19-0035	EA 6" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	121.54 48.71 36.34	31.46
10 21 13 19-0036	EA 12" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	185.40 48.71 72.69	34.08
10 21 13 19-0037	EA 18" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	249.25 48.71 109.02	36.70
10 21 13 19-0038	EA 24" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	289.07 48.71 130.46	39.33
10 21 13 19-0039	EA 30" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	346.93 48.71 163.08	41.95
10 21 13 19-0040	EA 36" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	370.56 48.71 174.49	44.57
10 21 13 19-0041	EA 42" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	414.46 48.71 198.45	47.19
10 21 13 19-0042	EA 48" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	465.42 48.71 226.80	49.82
10 21 13 19-0043	EA 55" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	507.28 48.71 249.49	52.43

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0044	EA		58" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	518.24 48.71 254.99	53.48
10 21 13 19-0045	EA		60" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	535.57 48.71 263.79	55.05
10 21 13 19-0046	EA		70" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	602.88 48.71 302.26	57.67
10 21 13 19-0047	EA		78" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	648.76 48.71 327.46	60.30
<b>10 21 13 19-0048</b>			<b>82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(10 21 13 19-0027)</small>		
10 21 13 19-0049	EA		Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	144.38 48.71 70.01	15.74
10 21 13 19-0050	EA		5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	160.94 48.71 77.03	18.35
10 21 13 19-0051	EA		6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	175.53 48.71 82.82	20.97
10 21 13 19-0052	EA		8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	189.12 48.71 88.00	23.59
10 21 13 19-0053	EA		10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	212.18 48.71 99.05	26.21
10 21 13 19-0054	EA		12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	235.24 48.71 110.09	28.84
10 21 13 19-0055	EA		18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	318.70 48.71 158.58	31.46
10 21 13 19-0056	EA		22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	359.51 48.71 180.64	34.08
10 21 13 19-0057	EA		24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	391.24 48.71 197.05	36.70
<b>10 21 13 19-0058</b>			<b>96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(10 21 13 19-0027)</small>		
10 21 13 19-0059	EA		Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	177.19 48.71 83.85	20.97
10 21 13 19-0060	EA		5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	195.31 48.71 91.83	23.59
10 21 13 19-0061	EA		6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	215.23 48.71 100.94	26.21
10 21 13 19-0062	EA		8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	243.42 48.71 115.17	28.84
10 21 13 19-0063	EA		10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	271.88 48.71 129.56	31.46
10 21 13 19-0064	EA		12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	300.07 48.71 143.78	34.08
10 21 13 19-0065	EA		18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	380.96 48.71 190.68	36.70
10 21 13 19-0066	EA		22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	425.35 48.71 214.95	39.33
10 21 13 19-0067	EA		24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	462.12 48.71 234.50	41.95
<b>10 21 13 19-0068</b>			<b>Antimicrobial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens</b> <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
<b>10 21 13 19-0069</b>			<b>Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partitions</b> <small>(10 21 13 19-0068)</small> Note: Includes all standard Columbia Partitions colors.		
<b>10 21 13 19-0070</b>			<b>Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> <small>(10 21 13 19-0069)</small> Note: Includes headrail.		

<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Compartments and Cubicles</b>	<b>10 21</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0071	EA		36" x 60", Overhead Braced, Antimicrobial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,675.46 -138.71 175.79 859.99	144.20
10 21 13 19-0072	EA		60" x 60", Overhead Braced, Antimicrobial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,061.76 175.79 1,086.49	154.68
10 21 13 19-0073	EA		60" x 78", Overhead Braced, Antimicrobial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,284.27 175.79 1,217.95	159.92
10 21 13 19-0074			<b>Floor And Ceiling Anchored, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> (10 21 13 19-0069) Note: Excludes above ceiling steel.		
10 21 13 19-0075	EA		36" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,675.36 -133.45 175.79 827.41	170.41
10 21 13 19-0076	EA		60" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,095.56 175.79 1,074.94	180.90
10 21 13 19-0077	EA		60" x 78", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,318.08 175.79 1,206.40	186.14
10 21 13 19-0078			<b>Ceiling Hung, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> (10 21 13 19-0069) Note: Excludes above ceiling steel.		
10 21 13 19-0079	EA		36" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,758.05 -136.48 175.79 846.18	196.63
10 21 13 19-0080	EA		60" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,084.87 175.79 1,035.80	207.12
10 21 13 19-0081	EA		60" x 78", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,307.38 175.79 1,167.26	212.36
10 21 13 19-0082			<b>Antimicrobial Recycled Solid Plastic (HDPE) Urinal Screens</b> (10 21 13 19-0068) Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0083			<b>Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens</b> (10 21 13 19-0082)		
10 21 13 19-0084	EA		18" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	391.51 48.71 164.75	62.89
10 21 13 19-0085	EA		24" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	409.94 48.71 169.67	68.13
10 21 13 19-0086			<b>Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens</b> (10 21 13 19-0082)		
10 21 13 19-0087	EA		18" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	617.83 48.71 298.57	68.13
10 21 13 19-0088	EA		24" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	700.75 48.71 343.48	73.38
10 21 13 19-0089	EA		30" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	747.25 48.71 365.81	78.61
10 21 13 19-0090			<b>Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens</b> (10 21 13 19-0082)		
10 21 13 19-0091	EA		24" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	507.93 48.71 223.93	73.38
10 21 13 19-0092	EA		36" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	638.79 48.71 298.57	78.61
10 21 13 19-0093	EA		48" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	757.74 48.71 365.81	83.86

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0094			<b>Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 19-0068)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0095			<b>Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Doors</b> <small>(10 21 13 19-0094)</small>		
10 21 13 19-0096	EA		24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	398.97 78.38 221.35	20.97
10 21 13 19-0097	EA		26" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	431.48 78.38 241.51	20.97
10 21 13 19-0098	EA		30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	468.95 78.38 261.49	23.59
10 21 13 19-0099	EA		34" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	534.71 78.38 302.26	23.59
10 21 13 19-0100	EA		36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	550.27 78.38 311.91	23.59
10 21 13 19-0101			<b>Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panels</b> <small>(10 21 13 19-0094)</small>		
10 21 13 19-0102	EA		6" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	142.05 48.71 49.06	31.46
10 21 13 19-0103	EA		12" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	226.43 48.71 98.13	34.08
10 21 13 19-0104	EA		18" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	310.81 48.71 147.19	36.70
10 21 13 19-0105	EA		24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	362.71 48.71 176.12	39.33
10 21 13 19-0106	EA		30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	438.98 48.71 220.15	41.95
10 21 13 19-0107	EA		36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	469.05 48.71 235.55	44.57
10 21 13 19-0108	EA		42" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	526.49 48.71 267.91	47.19
10 21 13 19-0109	EA		48" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	593.46 48.71 306.18	49.82
10 21 13 19-0110	EA		55" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	648.13 48.71 336.82	52.43
10 21 13 19-0111	EA		58" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	662.19 48.71 344.24	53.48
10 21 13 19-0112	EA		60" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	684.48 48.71 356.11	55.05
10 21 13 19-0113	EA		70" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	773.53 48.71 408.07	57.67
10 21 13 19-0114	EA		78" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	833.61 48.71 442.07	60.30
10 21 13 19-0115			<b>82" Long, Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(10 21 13 19-0094)</small>		
10 21 13 19-0116	EA		Up To 4" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	183.90 48.71 94.51	15.74
10 21 13 19-0117	EA		5" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	204.42 48.71 103.99	18.35
10 21 13 19-0118	EA		6" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	222.28 48.71 111.80	20.97
10 21 13 19-0119	EA		8" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	256.21 48.71 129.59	23.59
10 21 13 19-0120	EA		10" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	287.72 48.71 145.88	26.21
10 21 13 19-0121	EA		12" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	319.18 48.71 162.14	28.84

<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Compartments and Cubicles</b>	<b>10 21</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 19-0122	EA		18" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	408.23 48.71 214.09	31.46
10 21 13 19-0123	EA		22" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	461.49 48.71 243.86	34.08
10 21 13 19-0124	EA		24" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	502.48 48.71 266.02	36.70
<b>10 21 13 19-0125</b>			<b>96" To 120", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(10 21 13 19-0094)</small>		
10 21 13 19-0126	EA		Up To 4" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	224.53 48.71 113.20	20.97
10 21 13 19-0127	EA		5" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	247.15 48.71 123.98	23.59
10 21 13 19-0128	EA		6" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	272.23 48.71 136.28	26.21
10 21 13 19-0129	EA		8" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	308.45 48.71 155.48	28.84
10 21 13 19-0130	EA		10" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	345.02 48.71 174.90	31.46
10 21 13 19-0131	EA		12" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	381.23 48.71 194.10	34.08
10 21 13 19-0132	EA		18" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	488.62 48.71 257.43	36.70
10 21 13 19-0133	EA		22" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	546.69 48.71 290.18	39.33
10 21 13 19-0134	EA		24 x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	594.49 48.71 316.57	41.95
<b>10 21 13 19-0135</b>			<b>Solid Phenolic Toilet Partitions And Urinal Screens</b> <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.		
<b>10 21 13 19-0136</b>			<b>Solid Phenolic Toilet Partitions</b> <small>(10 21 13 19-0135)</small> Note: Includes all standard Bobrick colors.		
<b>10 21 13 19-0137</b>			<b>Floor Anchored, Solid Phenolic, Complete Toilet Partitions</b> <small>(10 21 13 19-0136)</small>		
10 21 13 19-0138	EA		36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,646.21 -141.03 175.79 307.95	117.97
10 21 13 19-0139	EA		60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,018.77 175.79 382.83	128.46
10 21 13 19-0140	EA		60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,252.08 175.79 430.15	133.71
<b>10 21 13 19-0141</b>			<b>Overhead Braced, Solid Phenolic, Complete Toilet Partitions</b> <small>(10 21 13 19-0136)</small> Note: Includes headrail.		
10 21 13 19-0142	EA		36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,830.48 -154.21 175.79 338.26	144.20
10 21 13 19-0143	EA		60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,217.75 175.79 416.23	154.68
10 21 13 19-0144	EA		60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,462.27 175.79 465.90	159.92
<b>10 21 13 19-0145</b>			<b>Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions</b> <small>(10 21 13 19-0136)</small> Note: Excludes above ceiling steel.		

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0146	EA		36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition.....	1,894.96	170.41
			<i>For &gt;10, Deduct</i>	-155.41	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For NFPA Class A, Add</i>	343.41	
10 21 13 19-0147	EA		60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,279.50	180.90
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For NFPA Class A, Add</i>	420.81	
10 21 13 19-0148	EA		60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,512.81	186.14
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For NFPA Class A, Add</i>	468.13	
10 21 13 19-0149			<b>Ceiling Hung, Solid Phenolic, Complete Toilet Partitions</b> (10 21 13 19-0136) Note: Excludes above ceiling steel.		
10 21 13 19-0150	EA		36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition.....	1,875.46	196.63
			<i>For &gt;10, Deduct</i>	-148.22	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For NFPA Class A, Add</i>	330.93	
10 21 13 19-0151	EA		60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,247.76	207.12
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For NFPA Class A, Add</i>	405.75	
10 21 13 19-0152	EA		60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,481.06	212.36
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For NFPA Class A, Add</i>	453.07	
10 21 13 19-0153			<b>Solid Phenolic Urinal Screens</b> (10 21 13 19-0135) Note: Includes all standard Bobrick colors.		
10 21 13 19-0154			<b>Floor Anchored, Solid Phenolic, Urinal Screens</b> (10 21 13 19-0153)		
10 21 13 19-0155	EA		24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....	606.39	73.38
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For NFPA Class A, Add</i>	103.86	
10 21 13 19-0156	EA		36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....	684.61	78.61
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For NFPA Class A, Add</i>	118.61	
10 21 13 19-0157	EA		48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....	818.83	83.86
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For NFPA Class A, Add</i>	145.12	
10 21 13 19-0158			<b>Wall Hung, Solid Phenolic, Urinal Screens</b> (10 21 13 19-0153)		
10 21 13 19-0159	EA		18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....	391.16	62.89
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For NFPA Class A, Add</i>	62.02	
10 21 13 19-0160	EA		24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....	452.03	68.13
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For NFPA Class A, Add</i>	73.12	
10 21 13 19-0161	EA		30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....	541.51	73.38
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For NFPA Class A, Add</i>	90.24	
10 21 13 19-0162			<b>Wall Hung And Post Supported, Solid Phenolic, Urinal Screens</b> (10 21 13 19-0153)		
10 21 13 19-0163	EA		18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen.....	398.19	68.13
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For NFPA Class A, Add</i>	61.82	
10 21 13 19-0164	EA		24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen.....	495.96	73.38
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For NFPA Class A, Add</i>	80.67	
10 21 13 19-0165	EA		30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen.....	578.24	78.61
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For NFPA Class A, Add</i>	96.27	
10 21 13 19-0166			<b>Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens</b> (10 21 13 19-0153)		
10 21 13 19-0167	EA		22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen.....	622.40	68.13
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For NFPA Class A, Add</i>	108.90	
10 21 13 19-0168	EA		36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen.....	701.09	73.38
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For NFPA Class A, Add</i>	123.75	
10 21 13 19-0169	EA		48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen.....	837.83	78.61
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For NFPA Class A, Add</i>	150.79	
10 21 13 19-0170			<b>Solid Phenolic Toilet Partition Doors, Panels And Pilasters</b> (10 21 13 19-0135) Note: Includes all standard Bobrick colors.		
10 21 13 19-0171			<b>Solid Phenolic, Toilet Partition Doors</b> (10 21 13 19-0170)		
10 21 13 19-0172	EA		24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door.....	443.92	20.97
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.38	
			<i>For NFPA Class A, Add</i>	86.51	
10 21 13 19-0173	EA		26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door.....	459.04	20.97
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.38	
			<i>For NFPA Class A, Add</i>	89.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0174	EA		30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	503.06 78.38 98.09	23.59
10 21 13 19-0175	EA		34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	542.48 78.38 106.37	23.59
10 21 13 19-0176	EA		36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	582.97 78.38 114.87	23.59
<b>10 21 13 19-0177 Solid Phenolic, Toilet Partition Panels (10 21 13 19-0170)</b>					
10 21 13 19-0178	EA		6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	146.70 48.71 20.74	31.46
10 21 13 19-0179	EA		12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	193.79 48.71 29.79	34.08
10 21 13 19-0180	EA		18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	261.83 48.71 43.24	36.70
10 21 13 19-0181	EA		24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	330.58 48.71 56.84	39.33
10 21 13 19-0182	EA		30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	368.21 48.71 63.90	41.95
10 21 13 19-0183	EA		36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	407.68 48.71 71.35	44.57
10 21 13 19-0184	EA		42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	474.65 48.71 84.58	47.19
10 21 13 19-0185	EA		48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	543.58 48.71 98.21	49.82
10 21 13 19-0186	EA		55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	579.62 48.71 104.94	52.43
10 21 13 19-0187	EA		58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	595.71 48.71 107.99	53.48
10 21 13 19-0188	EA		60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	607.26 48.71 109.91	55.05
10 21 13 19-0189	EA		70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	697.60 48.71 128.04	57.67
10 21 13 19-0190	EA		78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	840.56 48.71 157.22	60.30
<b>10 21 13 19-0191 69" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)</b>					
10 21 13 19-0192	EA		Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	212.29 22.60 48.71 39.55	15.74
10 21 13 19-0193	EA		5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	244.40 25.96 48.71 45.45	18.35
10 21 13 19-0194	EA		6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	249.65 25.96 48.71 45.71	20.97
10 21 13 19-0195	EA		8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	289.05 30.23 48.71 53.15	23.59
10 21 13 19-0196	EA		10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	325.08 34.08 48.71 59.88	26.21
10 21 13 19-0197	EA		12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	361.11 37.93 48.71 66.61	28.84
10 21 13 19-0198	EA		16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	460.97 49.76 48.71 86.74	31.46
10 21 13 19-0199	EA		20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	565.31 62.14 48.71 107.81	34.08
10 21 13 19-0200	EA		24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	594.07 65.08 48.71 113.01	36.70

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 21 13 19-0201	<b>83" Long, Solid Phenolic, Toilet Partition Pilasters</b> <small>(10 21 13 19-0170)</small>		
10 21 13 19-0202	EA Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	232.45	15.74
	For 1" Pilaster, Add	25.12	
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
	For NFPA Class A, Add	43.78	
10 21 13 19-0203	EA 5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	272.40	18.35
	For 1" Pilaster, Add	29.46	
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
	For NFPA Class A, Add	51.33	
10 21 13 19-0204	EA 6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	277.65	20.97
	For 1" Pilaster, Add	29.46	
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
	For NFPA Class A, Add	51.59	
10 21 13 19-0205	EA 8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	321.52	23.59
	For 1" Pilaster, Add	34.29	
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
	For NFPA Class A, Add	59.97	
10 21 13 19-0206	EA 10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	363.15	26.21
	For 1" Pilaster, Add	38.84	
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
	For NFPA Class A, Add	67.87	
10 21 13 19-0207	EA 12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	405.07	28.84
	For 1" Pilaster, Add	43.43	
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
	For NFPA Class A, Add	75.84	
10 21 13 19-0208	EA 16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	526.48	31.46
	For 1" Pilaster, Add	57.95	
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
	For NFPA Class A, Add	100.49	
10 21 13 19-0209	EA 20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	626.62	34.08
	For 1" Pilaster, Add	69.81	
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
	For NFPA Class A, Add	120.68	
10 21 13 19-0210	EA 24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	659.30	36.70
	For 1" Pilaster, Add	73.24	
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
	For NFPA Class A, Add	126.71	
10 21 13 19-0211	<b>96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters</b> <small>(10 21 13 19-0170)</small>		
10 21 13 19-0212	EA Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	263.09	20.97
	For 1" Pilaster, Add	27.64	
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
	For NFPA Class A, Add	48.54	
10 21 13 19-0213	EA 5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	310.88	23.59
	For 1" Pilaster, Add	32.96	
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
	For NFPA Class A, Add	57.73	
10 21 13 19-0214	EA 6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	316.12	26.21
	For 1" Pilaster, Add	32.96	
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
	For NFPA Class A, Add	58.00	
10 21 13 19-0215	EA 8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	364.47	28.84
	For 1" Pilaster, Add	38.35	
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
	For NFPA Class A, Add	67.31	
10 21 13 19-0216	EA 10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	411.71	31.46
	For 1" Pilaster, Add	43.60	
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
	For NFPA Class A, Add	76.39	
10 21 13 19-0217	EA 12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	459.50	34.08
	For 1" Pilaster, Add	48.92	
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
	For NFPA Class A, Add	85.59	
10 21 13 19-0218	EA 16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	602.47	36.70
	For 1" Pilaster, Add	66.13	
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
	For NFPA Class A, Add	114.77	
10 21 13 19-0219	EA 20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	698.40	39.33
	For 1" Pilaster, Add	77.47	
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
	For NFPA Class A, Add	134.08	
10 21 13 19-0220	EA 24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	735.01	41.95
	For 1" Pilaster, Add	81.39	
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
	For NFPA Class A, Add	140.93	
10 21 13 19-0221	<b>Solid Color Reinforced Composite Toilet Partitions And Urinal Screens</b> <small>(10 21 13 19)</small>		
	Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.		
10 21 13 19-0222	<b>Solid Color Reinforced Composite Toilet Partitions</b> <small>(10 21 13 19-0221)</small>		
	Note: Includes all standard Bobrick colors.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 21 13 19-0223 Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions</b> <small>(10 21 13 19-0222)</small>			
10 21 13 19-0224	EA 36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition.....	1,815.44	117.97
	<i>For &gt;10, Deduct</i>	-157.95	
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
10 21 13 19-0225	EA 60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,230.19	128.46
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
10 21 13 19-0226	EA 60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,490.24	133.71
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
<b>10 21 13 19-0227 Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions</b> <small>(10 21 13 19-0222)</small>			
Note: Includes headrail.			
10 21 13 19-0228	EA 36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition.....	2,015.53	144.20
	<i>For &gt;10, Deduct</i>	-172.72	
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
10 21 13 19-0229	EA 60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,446.76	154.68
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
10 21 13 19-0230	EA 60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,719.37	159.92
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
<b>10 21 13 19-0231 Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions</b> <small>(10 21 13 19-0222)</small>			
Note: Excludes above ceiling steel.			
10 21 13 19-0232	EA 36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition.....	2,081.46	170.41
	<i>For &gt;10, Deduct</i>	-174.06	
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
10 21 13 19-0233	EA 60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,509.63	180.90
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
10 21 13 19-0234	EA 60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,769.67	186.14
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
<b>10 21 13 19-0235 Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions</b> <small>(10 21 13 19-0222)</small>			
Note: Excludes above ceiling steel.			
10 21 13 19-0236	EA 36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition.....	2,053.33	196.63
	<i>For &gt;10, Deduct</i>	-166.01	
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
10 21 13 19-0237	EA 60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,467.78	207.12
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
10 21 13 19-0238	EA 60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,727.82	212.36
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
10 21 13 19-0239	<b>Solid Color Reinforced Composite Urinal Screens</b> <small>(10 21 13 19-0221)</small>		
Note: Includes all standard Bobrick colors.			
10 21 13 19-0240	<b>Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens</b> <small>(10 21 13 19-0239)</small>		
10 21 13 19-0241	EA 24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	661.54	73.38
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0242	EA 36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	747.89	78.61
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0243	EA 48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	896.96	83.86
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0244	<b>Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens</b> <small>(10 21 13 19-0239)</small>		
10 21 13 19-0245	EA 18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	423.00	62.89
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0246	EA 24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	489.92	68.13
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0247	EA 30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	588.88	73.38
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0248	<b>Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens</b> <small>(10 21 13 19-0239)</small>		
10 21 13 19-0249	EA 18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	429.62	68.13
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
10 21 13 19-0250	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	537.87 48.71		73.38
10 21 13 19-0251	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	628.76 48.71		78.61
<b>10 21 13 19-0252</b>		<b>Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens</b> <small>(10 21 13 19-0239)</small>			
10 21 13 19-0253	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	680.73 48.71		68.13
10 21 13 19-0254	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	767.61 48.71		73.38
10 21 13 19-0255	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	919.50 48.71		78.61
<b>10 21 13 19-0256</b>		<b>Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 19-0221)</small>			
		Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.			
<b>10 21 13 19-0257</b>		<b>Solid Color Reinforced Composite, Toilet Partition Doors</b> <small>(10 21 13 19-0256)</small>			
10 21 13 19-0258	EA	24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	492.16 78.38		20.97
10 21 13 19-0259	EA	26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	509.09 78.38		20.97
10 21 13 19-0260	EA	30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	557.77 78.38		23.59
10 21 13 19-0261	EA	34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	601.91 78.38		23.59
10 21 13 19-0262	EA	36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	647.26 78.38		23.59
<b>10 21 13 19-0263</b>		<b>Solid Color Reinforced Composite, Toilet Partition Panels</b> <small>(10 21 13 19-0256)</small>			
10 21 13 19-0264	EA	6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	156.75 48.71		31.46
10 21 13 19-0265	EA	12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	208.87 48.71		34.08
10 21 13 19-0266	EA	18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	284.44 48.71		36.70
10 21 13 19-0267	EA	24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	360.81 48.71		39.33
10 21 13 19-0268	EA	30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	402.33 48.71		41.95
10 21 13 19-0269	EA	36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	445.91 48.71		44.57
10 21 13 19-0270	EA	42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	520.29 48.71		47.19
10 21 13 19-0271	EA	48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	596.86 48.71		49.82
10 21 13 19-0272	EA	55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	636.59 48.71		52.43
10 21 13 19-0273	EA	58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	654.36 48.71		53.48
10 21 13 19-0274	EA	60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	666.91 48.71		55.05
10 21 13 19-0275	EA	70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	767.47 48.71		57.67
10 21 13 19-0276	EA	78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	926.95 48.71		60.30
<b>10 21 13 19-0277</b>		<b>69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters</b> <small>(10 21 13 19-0256)</small>			
10 21 13 19-0278	EA	Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	233.99 25.32 48.71		15.74
10 21 13 19-0279	EA	5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	269.33 29.08 48.71		18.35
10 21 13 19-0280	EA	6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	274.58 29.08 48.71		20.97
10 21 13 19-0281	EA	8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	318.07 33.86 48.71		23.59
10 21 13 19-0282	EA	10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	357.79 38.17 48.71		26.21
10 21 13 19-0283	EA	12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	397.52 42.48 48.71		28.84
10 21 13 19-0284	EA	16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	508.74 55.73 48.71		31.46

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0285	EA		20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	624.96 69.60 48.71	34.08
10 21 13 19-0286	EA		24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	656.55 72.89 48.71	36.70
<b>10 21 13 19-0287</b>			<b>83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters</b> <small>(10 21 13 19-0286)</small>		
10 21 13 19-0288	EA		Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	256.56 28.14 48.71	15.74
10 21 13 19-0289	EA		5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	300.68 33.00 48.71	18.35
10 21 13 19-0290	EA		6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	305.93 33.00 48.71	20.97
10 21 13 19-0291	EA		8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	354.44 38.41 48.71	23.59
10 21 13 19-0292	EA		10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	400.43 43.50 48.71	26.21
10 21 13 19-0293	EA		12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	446.76 48.64 48.71	28.84
10 21 13 19-0294	EA		16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	582.10 64.90 48.71	31.46
10 21 13 19-0295	EA		20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	693.64 78.19 48.71	34.08
10 21 13 19-0296	EA		24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	729.61 82.03 48.71	36.70
<b>10 21 13 19-0297</b>			<b>96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters</b> <small>(10 21 13 19-0286)</small>		
10 21 13 19-0298	EA		Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	289.63 30.96 48.71	20.97
10 21 13 19-0299	EA		5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	342.52 36.92 48.71	23.59
10 21 13 19-0300	EA		6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	347.76 36.92 48.71	26.21
10 21 13 19-0301	EA		8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	401.28 42.95 48.71	28.84
10 21 13 19-0302	EA		10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	453.56 48.83 48.71	31.46
10 21 13 19-0303	EA		12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	506.46 54.79 48.71	34.08
10 21 13 19-0304	EA		16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	665.96 74.07 48.71	36.70
10 21 13 19-0305	EA		20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	772.77 86.77 48.71	39.33
10 21 13 19-0306	EA		24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	813.14 91.16 48.71	41.95
<b>10 21 13 19-0307</b>			<b>Solid Polyester (Corian) Toilet Partitions And Urinal Screens</b> <small>(10 21 13 19-0307)</small> Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.		
<b>10 21 13 19-0308</b>			<b>Solid Polyester (Corian) Toilet Partitions</b> <small>(10 21 13 19-0307)</small> Note: Small particulate finish.		
<b>10 21 13 19-0309</b>			<b>Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions</b> <small>(10 21 13 19-0308)</small>		
10 21 13 19-0310	EA		36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition <i>For &gt;10, Deduct</i> <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,493.57 -325.76 -749.25 175.79	117.97
10 21 13 19-0311	EA		60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	4,215.04 -910.37 175.79	128.46

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0312	EA		60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,671.86	133.71
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,013.02	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
<b>10 21 13 19-0313</b>			<b>Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions</b> <small>(10 21 13 19-0308)</small>		
10 21 13 19-0314	EA		36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	3,634.73	144.20
			<i>For &gt;10, Deduct</i>	-334.64	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-769.66	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
10 21 13 19-0315	EA		60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,765.44	154.68
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,024.90	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
10 21 13 19-0316	EA		60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	5,272.23	159.92
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,139.05	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
<b>10 21 13 19-0317</b>			<b>Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions</b> <small>(10 21 13 19-0308)</small>		
			Note: Excludes above ceiling steel.		
10 21 13 19-0318	EA		36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	4,074.22	170.41
			<i>For &gt;10, Deduct</i>	-373.34	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-858.68	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
10 21 13 19-0319	EA		60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	5,458.28	180.90
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,172.19	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
10 21 13 19-0320	EA		60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	5,964.68	186.14
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,286.25	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
<b>10 21 13 19-0321</b>			<b>Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions</b> <small>(10 21 13 19-0308)</small>		
			Note: Excludes above ceiling steel.		
10 21 13 19-0322	EA		36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	4,121.85	196.63
			<i>For &gt;10, Deduct</i>	-372.86	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-857.58	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
10 21 13 19-0323	EA		60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	5,252.98	207.12
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,112.91	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
10 21 13 19-0324	EA		60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	5,759.36	212.36
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,226.97	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
<b>10 21 13 19-0325</b>			<b>Solid Polyester (Corian) Urinal Screens</b> <small>(10 21 13 19-0307)</small>		
<b>10 21 13 19-0326</b>			<b>Floor Anchored, Solid Polyester (Corian), Urinal Screens</b> <small>(10 21 13 19-0325)</small>		
10 21 13 19-0327	EA		24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	975.36	73.38
			<i>For Solid Color Material (No Particulate), Deduct</i>	-190.58	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0328	EA		36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,283.40	78.61
			<i>For Solid Color Material (No Particulate), Deduct</i>	-259.02	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0329	EA		48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,591.45	83.86
			<i>For Solid Color Material (No Particulate), Deduct</i>	-327.46	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
<b>10 21 13 19-0330</b>			<b>Wall Hung, Solid Polyester (Corian), Urinal Screens</b> <small>(10 21 13 19-0325)</small>		
10 21 13 19-0331	EA		18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	506.38	62.89
			<i>For Solid Color Material (No Particulate), Deduct</i>	-87.54	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0332	EA		24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	643.71	68.13
			<i>For Solid Color Material (No Particulate), Deduct</i>	-116.71	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0333	EA		30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	781.05	73.38
			<i>For Solid Color Material (No Particulate), Deduct</i>	-145.89	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
<b>10 21 13 19-0334</b>			<b>Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens</b> <small>(10 21 13 19-0325)</small>		
10 21 13 19-0335	EA		18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	658.31	68.13
			<i>For Solid Color Material (No Particulate), Deduct</i>	-120.07	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0336 EA 24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	817.58 -154.29 48.71	73.38
10 21 13 19-0337 EA 30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	976.83 -188.51 48.71	78.61
<b>10 21 13 19-0338 Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens</b> <small>(10 21 13 19-0325)</small>		
10 21 13 19-0339 EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	997.31 -198.04 48.71	68.13
10 21 13 19-0340 EA 34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,305.35 -266.48 48.71	73.38
10 21 13 19-0341 EA 46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,613.39 -334.92 48.71	78.61
<b>10 21 13 19-0342 Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 19-0307)</small>		
<b>10 21 13 19-0343 Solid Polyester (Corian), Toilet Partition Doors</b> <small>(10 21 13 19-0342)</small>		
10 21 13 19-0344 EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	761.04 -165.39 78.38	20.97
10 21 13 19-0345 EA 26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	812.43 -177.21 78.38	20.97
10 21 13 19-0346 EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	926.37 -202.21 78.38	23.59
10 21 13 19-0347 EA 34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	1,032.42 -226.60 78.38	23.59
10 21 13 19-0348 EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	1,078.57 -237.22 78.38	23.59
<b>10 21 13 19-0349 Solid Polyester (Corian), Toilet Partition Panels</b> <small>(10 21 13 19-0342)</small>		
10 21 13 19-0350 EA 6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	211.69 -34.22 48.71	31.46
10 21 13 19-0351 EA 12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	365.72 -68.44 48.71	34.08
10 21 13 19-0352 EA 18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	519.74 -102.66 48.71	36.70
10 21 13 19-0353 EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	673.77 -136.88 48.71	39.33
10 21 13 19-0354 EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	827.79 -171.09 48.71	41.95
10 21 13 19-0355 EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	981.79 -205.31 48.71	44.57
10 21 13 19-0356 EA 42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,135.83 -239.53 48.71	47.19
10 21 13 19-0357 EA 48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,289.84 -273.75 48.71	49.82
10 21 13 19-0358 EA 55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,468.66 -313.67 48.71	52.43
10 21 13 19-0359 EA 58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,545.15 -330.78 48.71	53.48
10 21 13 19-0360 EA 60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,597.89 -342.19 48.71	55.05
10 21 13 19-0361 EA 70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,851.09 -399.22 48.71	57.67
10 21 13 19-0362 EA 78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,054.69 -444.84 48.71	60.30
<b>10 21 13 19-0363 72" Long, Solid Polyester (Corian), Toilet Partition Pilasters</b> <small>(10 21 13 19-0342)</small>		
10 21 13 19-0364 EA Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	264.96 -53.71 48.71	15.74

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13	19-0365	EA	5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	328.57 -67.13 48.71	18.35
10 21 13	19-0366	EA	6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	392.20 -80.56 48.71	20.97
10 21 13	19-0367	EA	8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	514.20 -107.41 48.71	23.59
10 21 13	19-0368	EA	10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	636.19 -134.26 48.71	26.21
10 21 13	19-0369	EA	12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	758.18 -161.12 48.71	28.84
10 21 13	19-0370	EA	18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,113.67 -241.67 48.71	31.46
10 21 13	19-0371	EA	22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,352.43 -295.38 48.71	34.08
10 21 13	19-0372	EA	24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,474.43 -322.23 48.71	36.70
<b>10 21 13</b>	<b>19-0373</b>		<b>82" Long, Solid Polyester (Corian), Toilet Partition Pilasters</b> <small>(10 21 13 19-0342)</small>		
10 21 13	19-0374	EA	Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	297.38 -61.16 48.71	15.74
10 21 13	19-0375	EA	5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	369.12 -76.46 48.71	18.35
10 21 13	19-0376	EA	6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	433.25 -90.00 48.71	20.97
10 21 13	19-0377	EA	8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	589.20 -124.66 48.71	23.59
10 21 13	19-0378	EA	10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	717.26 -152.91 48.71	26.21
10 21 13	19-0379	EA	12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	855.46 -183.49 48.71	28.84
10 21 13	19-0380	EA	18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,259.62 -275.24 48.71	31.46
10 21 13	19-0381	EA	22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,530.80 -336.41 48.71	34.08
10 21 13	19-0382	EA	24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,669.01 -366.99 48.71	36.70
<b>10 21 13</b>	<b>19-0383</b>		<b>96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters</b> <small>(10 21 13 19-0342)</small>		
10 21 13	19-0384	EA	Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	392.20 -80.56 48.71	20.97
10 21 13	19-0385	EA	5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	485.01 -100.70 48.71	23.59
10 21 13	19-0386	EA	6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	577.82 -120.84 48.71	26.21
10 21 13	19-0387	EA	8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	758.18 -161.12 48.71	28.84
10 21 13	19-0388	EA	10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	938.55 -201.39 48.71	31.46
10 21 13	19-0389	EA	12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,118.91 -241.67 48.71	34.08
10 21 13	19-0390	EA	18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,649.55 -362.51 48.71	36.70
10 21 13	19-0391	EA	22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,005.05 -443.07 48.71	39.33
10 21 13	19-0392	EA	24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,185.43 -483.35 48.71	41.95

**10 21 13 43 Compartments and Cubicles Common Accessories** (10 21 13)**10 21 13 43-0001 Accessories** (10 21 13 43)

<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Compartments and Cubicles</b>	<b>10 21</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 43-0002	LF	Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens.....	11.19	2.10
10 21	13 43-0003	LF	Stainless Steel Headrails For Toilet Partitions And Urinal Screens.....	17.88	2.10
10 21	13 43-0004	EA	Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts.....	87.66	
10 21	13 43-0005	EA	Replacement Of 58" Aluminum Wall U Bracket.....	58.84	
10 21	13 43-0006	EA	Replacement Of 58" Aluminum Wall Two Ear Bracket.....	97.68	
10 21	13 43-0007	EA	Replacement Of 54" Stainless Steel Wall U Bracket.....	67.94	
10 21	13 43-0008	EA	Replacement Of 54" Stainless Steel Wall Two Ear Bracket.....	160.13	
10 21	13 43-0009	EA	Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors.....	140.24	
10 21	13 43-0010	EA	Replacement Of 57-1/2" Stainless Steel Hinge.....	114.37	

**10 21 16 Shower and Dressing Compartments (10 21)**

**10 21 16 17 Phenolic-Core Shower and Dressing Compartments (10 21 16)**

**10 21 16 17-0001 Shower Dividers (10 21 16 17)**

**10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers (10 21 16 17-0001)**

Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.

10 21 16 17-0003	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	727.41	131.08
		<i>For 66" High Panels, Add</i>	69.79	
10 21 16 17-0004	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	903.47	141.57
		<i>For 66" High Panels, Add</i>	93.05	
10 21 16 17-0005	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	1,156.47	157.30
		<i>For 66" High Panels, Add</i>	126.28	
10 21 16 17-0006	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	1,363.96	183.52
		<i>For 66" High Panels, Add</i>	149.54	
10 21 16 17-0007	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	1,571.49	209.74
		<i>For 66" High Panels, Add</i>	172.80	

**10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track (10 21 16 17-0001)**

Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Headrail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in headrail.

10 21 16 17-0009	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track.....	1,716.15	230.40
		<i>For 66" High Panels, Add</i>	234.38	
		<i>For 6" Wide Head Rail, Add</i>	42.27	
		<i>For 8" Wide Head Rail, Add</i>	59.43	
		<i>For 10" Wide Head Rail, Add</i>	71.98	
		<i>For 12" Wide Head Rail, Add</i>	86.84	
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	131.08	
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	171.08	
10 21 16 17-0010	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track.....	2,103.21	251.58
		<i>For 66" High Panels, Add</i>	290.32	
		<i>For 6" Wide Head Rail, Add</i>	53.03	
		<i>For 8" Wide Head Rail, Add</i>	74.06	
		<i>For 10" Wide Head Rail, Add</i>	90.06	
		<i>For 12" Wide Head Rail, Add</i>	108.58	
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	135.32	
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	175.32	
10 21 16 17-0011	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track.....	2,627.35	267.52
		<i>For 66" High Panels, Add</i>	367.35	
		<i>For 6" Wide Head Rail, Add</i>	68.12	
		<i>For 8" Wide Head Rail, Add</i>	94.39	
		<i>For 10" Wide Head Rail, Add</i>	115.32	
		<i>For 12" Wide Head Rail, Add</i>	138.91	
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	138.50	
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	178.50	
10 21 16 17-0012	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track.....	2,813.98	299.29
		<i>For 66" High Panels, Add</i>	392.17	
		<i>For 6" Wide Head Rail, Add</i>	72.45	
		<i>For 8" Wide Head Rail, Add</i>	100.59	
		<i>For 10" Wide Head Rail, Add</i>	122.74	
		<i>For 12" Wide Head Rail, Add</i>	147.89	
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	144.86	
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	184.86	
10 21 16 17-0013	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track.....	3,210.55	325.30
		<i>For 66" High Panels, Add</i>	449.06	
		<i>For 6" Wide Head Rail, Add</i>	83.31	
		<i>For 8" Wide Head Rail, Add</i>	115.41	
		<i>For 10" Wide Head Rail, Add</i>	141.01	
		<i>For 12" Wide Head Rail, Add</i>	169.86	
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	150.06	
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	190.06	

**10 22 Partitions (10 20)**

**10 22 13 Wire Mesh Partitions (10 22)**

**10 22 13 00-0001 Wall Panels (10 22 13)**

Note: Includes steel frame and posts. Posts bolted to floor.

10 22 13 00-0002	SF	Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts.....	14.29	1.31
		<i>For 5' Wide Panels, Add</i>	0.58	
10 22 13 00-0003	SF	Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts.....	15.80	1.57
		<i>For 5' Wide Panels, Add</i>	0.63	

**10 Specialties****10 20 Interior Specialties****10 22 Partitions**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0004	SF		Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts..... <i>For 5' Wide Panels, Add</i>	17.76 0.70	1.83
<b>10 22 13 00-0005</b>			<b>Ceiling Panels</b> <small>(10 22 13)</small> Note: Includes steel frame.		
10 22 13 00-0006	SF		Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts.....	14.76	1.57
10 22 13 00-0007	SF		Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts.....	16.28	1.83
10 22 13 00-0008	SF		Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts.....	18.01	2.10
<b>10 22 13 00-0009</b>			<b>Sliding Doors</b> <small>(10 22 13)</small> Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0010	EA		4' x 8' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,316.94 142.49 284.97	275.28
10 22 13 00-0011	EA		4' x 10' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,385.01 146.93 293.86	304.12
10 22 13 00-0012	EA		5' x 8' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,517.69 164.73 329.47	314.61
10 22 13 00-0013	EA		5' x 10' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,655.86 180.21 360.43	340.82
10 22 13 00-0014	EA		6' x 8' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,710.79 184.26 368.52	361.79
10 22 13 00-0015	EA		6' x 10' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,885.23 206.23 412.46	382.77
10 22 13 00-0016	EA		8' x 8' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	2,026.04 221.58 443.17	411.61
10 22 13 00-0017	EA		8' x 10' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	2,208.22 245.24 490.48	429.96
10 22 13 00-0018	EA		10' x 8' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	2,226.61 245.90 491.80	440.45
10 22 13 00-0019	EA		10' x 10' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	2,460.89 275.80 551.60	466.66
<b>10 22 13 00-0020</b>			<b>Swing Doors</b> <small>(10 22 13)</small>		
<b>10 22 13 00-0021</b>			<b>Single Swing Door</b> <small>(10 22 13 00-0020)</small>		
10 22 13 00-0022	EA		3' x 7' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	902.91 100.48 200.96	162.54
10 22 13 00-0023	EA		3' x 8' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	972.35 109.15 218.30	183.52
10 22 13 00-0024	EA		3' x 9' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,042.68 117.60 235.20	194.00
10 22 13 00-0025	EA		4' x 7' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,024.79 111.77 223.54	209.74
10 22 13 00-0026	EA		4' x 8' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,097.72 120.61 241.23	220.22
10 22 13 00-0027	EA		4' x 9' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,146.87 125.89 251.78	230.71
10 22 13 00-0028	EA		4' x 7' Dutch Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,362.67 162.45 324.91	209.74
10 22 13 00-0029	EA		4' x 8' Dutch Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,446.18 172.88 345.76	220.22
<b>10 22 13 00-0030</b>			<b>Double Swing Doors</b> <small>(10 22 13 00-0020)</small>		
10 22 13 00-0031	EA		6' x 7' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,431.00 162.22 324.43	262.17
10 22 13 00-0032	EA		6' x 8' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,462.46 163.79 327.58	277.90
10 22 13 00-0033	EA		6' x 9' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	2,029.10 245.64 491.28	293.63
10 22 13 00-0034	EA		8 x 7' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,535.87 167.46 334.92	314.61



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 22 13 00-0035	EA		8 x 8' Double Swing Door, 10 Gauge With Cylinder Lock ..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,567.33 169.03 338.07	330.33
10 22 13 00-0036	EA		8 x 9' Double Swing Door, 10 Gauge With Cylinder Lock ..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	2,133.96 250.88 501.76	346.07

**10 22 19 Demountable Partitions (10 22)**

**10 22 19 13 Demountable Metal Partitions (10 22 19)**

10 22 19 13-0001	LF		9' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick..... <i>For &gt;9, Add 17.04</i>	136.29	16.68
10 22 19 13-0002	LF		7' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick..... <i>For &gt;9, Add 14.92</i>	119.34	13.28
10 22 19 13-0003	LF		5' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick..... <i>For &gt;9, Add 12.80</i>	102.39	9.98
10 22 19 13-0004	LF		9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 48" Wide, Backed Enamel..... <i>For &gt;9, Add 17.41</i>	139.30	13.28
10 22 19 13-0005	LF		9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 48" Wide, Fabric..... <i>For &gt;9, Add 25.15</i>	201.18	14.28

**10 22 19 43 Demountable Composite Partitions (10 22 19)**

10 22 19 43-0001	LF		Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad..... <i>For &gt;9, Add 26.04</i>	208.31	16.68
10 22 19 43-0002	LF		Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad ..... <i>For &gt;9, Add 32.53</i>	260.27	18.18
10 22 19 43-0003	SF		Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick..... <i>For Acoustical Partitions, Add</i>	43.51 3.86	2.50
10 22 19 43-0004	SF		Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick..... <i>For Acoustical Partitions, Add</i>	54.71 4.63	4.19
10 22 19 43-0005	SF		Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick ..... <i>For Acoustical Partitions, Add</i>	46.41 4.12	2.60
10 22 19 43-0006	SF		Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick ..... <i>For Acoustical Partitions, Add</i>	66.32 5.92	3.60

**10 22 19 53 Demountable Gypsum Partitions (10 22 19)**

**10 22 19 53-0001 Demountable Gypsum Partitions (10 22 19 53)**

10 22 19 53-0002	LF		9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Vinyl Clad..... <i>For &gt;9, Add 10.67</i>	85.33	16.68
10 22 19 53-0003	LF		9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Fabric Clad ..... <i>For &gt;9, Add 17.72</i>	141.74	18.18
10 22 19 53-0004	LF		9' High Demountable Partition Gypsum System, 2" To 2.5", Steel Standard, 3" To 3-3/4" Thick, Steel Clad ..... <i>For &gt;9, Add 19.08</i>	152.65	19.98
10 22 19 53-0005	LF		9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Vinyl Clad..... <i>For &gt;9, Add 21.21</i>	169.70	16.68
10 22 19 53-0006	LF		9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Fabric Clad..... <i>For &gt;9, Add 35.11</i>	280.86	18.18

**10 22 23 Portable Partitions, Screens, and Panels (10 22)**

Note: Cubicle prices include standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used. For 100 percent glass 1/4" tempered plate is used.

**10 22 23 23 Movable Panel Systems (10 22 23)**

**10 22 23 23-0001 Portable Partitions (10 22 23 23)**

10 22 23 23-0002	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High.....	260.54	7.99
10 22 23 23-0003	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High.....	277.77	8.89
10 22 23 23-0004	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High.....	330.23	10.69
10 22 23 23-0005	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High.....	191.92	4.60
10 22 23 23-0006	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High.....	203.73	5.29
10 22 23 23-0007	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High.....	229.03	6.39
10 22 23 23-0008	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High.....	195.21	4.89
10 22 23 23-0009	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High.....	347.28	8.89
10 22 23 23-0010	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High.....	381.72	10.69
10 22 23 23-0011	LF		Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High.....	202.61	6.09
10 22 23 23-0012	LF		Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High.....	230.51	7.09
10 22 23 23-0013	LF		Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High.....	185.70	5.29
10 22 23 23-0014	LF		Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High.....	208.44	6.39
10 22 23 23-0015	LF		Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High.....	308.66	8.89
10 22 23 23-0016	LF		Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High.....	348.25	10.69
10 22 23 23-0017	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High.....	313.81	8.89
10 22 23 23-0018	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High.....	381.72	10.69
10 22 23 23-0019	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High.....	242.34	5.29
10 22 23 23-0020	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High.....	272.80	6.39
10 22 23 23-0021	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High.....	255.71	4.89
10 22 23 23-0022	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High.....	305.05	5.79
10 22 23 23-0023	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High.....	148.55	6.09
10 22 23 23-0024	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High.....	175.17	7.09
10 22 23 23-0025	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High.....	158.24	6.39
10 22 23 23-0026	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High.....	115.41	4.89

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10 22 23 23-0027	LF	Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side .....	187.84	6.39
10 22 23 23-0028	LF	Partitions, Portable, Metal Chalkboard, 2 Sides .....	214.12	6.70
10 22 23 23-0029	LF	Partitions, Portable, Tackboard, Both Sides .....	172.60	6.49

**10 22 23 23-0030 Adjustable Barrier Panel System (Edge Guard)** (10 22 23 23)

Note: Panels are opal or transparent. Panels include self leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

10 22 23 23-0031	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000) .....	720.99	
10 22 23 23-0032	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001) .....	684.67	
10 22 23 23-0033	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002) .....	539.36	
10 22 23 23-0034	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1) .....	624.12	
10 22 23 23-0035	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010) .....	1,102.43	
Note: Door panels include a hydraulic closer and a lever style lockset standard.				
10 22 23 23-0036	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003) .....	1,223.52	
10 22 23 23-0037	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) .....	1,465.70	
Note: Door panels include a hydraulic closer and a lever style lockset standard.				
10 22 23 23-0038	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004) .....	244.99	
10 22 23 23-0039	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005) .....	330.22	
10 22 23 23-0040	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006) .....	354.44	
10 22 23 23-0041	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007) .....	202.61	
10 22 23 23-0042	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009) .....	202.61	
10 22 23 23-0043	EA	Closure Strips (Edge Guard 3003) .....	14.30	
Note: To seal panels to existing walls				
10 22 23 23-0044	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005) .....	338.24	

**10 22 33 Accordion Folding Partitions** (10 22)
**10 22 33 00-0001 Accordion Doors/Partitions** (10 22 33)

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF	15 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 1500) .....	56.29	4.94
For <135, Add			11.26	
10 22 33 00-0003	SF	20 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 2000) .....	57.26	5.11
For <135, Add			11.45	
10 22 33 00-0004	SF	31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3100) .....	59.88	5.27
For <135, Add			11.98	
10 22 33 00-0005	SF	35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3500) .....	63.37	5.45
For <135, Add			12.67	
10 22 33 00-0006	SF	39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3900) .....	64.55	5.61
For <135, Add			12.91	
10 22 33 00-0007	SF	40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4000) .....	65.44	5.77
For <135, Add			13.09	
10 22 33 00-0008	SF	41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4100) .....	66.31	5.93
For <135, Add			13.26	
10 22 33 00-0009	SF	45 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4500) .....	67.54	6.26
For <135, Add			13.51	
10 22 33 00-0010	SF	Accordion Partition (Soundmaster Model 8M) .....	41.91	7.99

**10 22 43 Sliding Partitions** (10 22)
**10 22 43 00-0001 Operable Wall** (10 22 43)

Note: Includes top support track, assembled panel and frames.

10 22 43 00-0002	SF	Up To 720 SF, 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating .....	95.03	8.56
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.				
For 51 STC, Add			7.63	
10 22 43 00-0003	SF	>720 To 1,200 SF, 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating .....	88.42	6.85
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.				
For 51 STC, Add			7.47	
10 22 43 00-0004	SF	>1,200 SF, 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating .....	83.51	5.70
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.				
For 51 STC, Add			7.31	
10 22 43 00-0005	SF	Up To 1,080 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating .....	81.13	5.99
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.				
For 51 STC, Add			6.95	
10 22 43 00-0006	SF	>1,080 To 1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating .....	76.02	4.87
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.				
For 51 STC, Add			6.75	
10 22 43 00-0007	SF	>1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating .....	72.99	4.36
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.				
For 51 STC, Add			6.59	
10 22 43 00-0008	SF	Up To 1,440 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating .....	72.11	4.70
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.				
For 51 STC, Add			6.38	
10 22 43 00-0009	SF	>1,440 To 2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating .....	68.23	4.02
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.				
For 51 STC, Add			6.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 43 00-0010	SF		>2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating ..... Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	65.51	3.59
			For 51 STC, Add	6.02	
10 22 43 00-0011	SF		Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating ..... Note: Includes type 3 pocket door, track and hardware. Hufcor 632.	100.76	7.61
			For 51 STC, Add	8.57	
10 22 43 00-0012	SF		>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating ..... Note: Includes type 3 pocket door, track and hardware. Hufcor 632.	93.20	5.79
			For 51 STC, Add	8.34	
10 22 43 00-0013	SF		>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating ..... Note: Includes type 3 pocket door, track and hardware. Hufcor 632.	88.71	4.87
			For 51 STC, Add	8.15	
10 22 43 00-0014	SF		Partitions, Operable Acoustical Single Or Paired Panel (Modernfold Acoustaseal 932S/931S) .....	54.38	8.49

10 26 Wall and Door Protection (1020)

10 26 13 Corner Guards (1026)

10 26 13 00-0001 Vinyl Corner Guards (1026 13)

10 26 13 00-0002 Rigid Vinyl Corner Guards (1026 13 00-0001)

10 26 13 00-0003 Surface Mounted, Rigid Vinyl Corner Guards (1026 13 00-0002)

10 26 13 00-0004 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards (1026 13 00-0003)

10 26 13 00-0005	LF		3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34) .....	7.62	3.14
			For >50 To 100, Deduct	-1.31	
			For >100 To 200, Deduct	-1.83	
			For >200, Deduct	-2.48	
10 26 13 00-0006	LF		1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12) .....	8.20	3.14
			For >50 To 100, Deduct	-1.31	
			For >100 To 200, Deduct	-1.83	
			For >200, Deduct	-2.51	
10 26 13 00-0007	LF		3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13) .....	11.42	3.14
			For >50 To 100, Deduct	-1.31	
			For >100 To 200, Deduct	-1.83	
			For >200, Deduct	-2.67	
10 26 13 00-0008	LF		4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14) .....	15.44	3.14
			For >50 To 100, Deduct	-1.31	
			For >100 To 200, Deduct	-1.83	
			For >200, Deduct	-2.87	

10 26 13 00-0009 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards (1026 13 00-0003)

10 26 13 00-0010	LF		1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245) .....	14.72	3.14
			For >50 To 100, Deduct	-1.31	
			For >100 To 200, Deduct	-1.83	
			For >200, Deduct	-2.83	

10 26 13 00-0011 Rigid Vinyl Corner Guards With Aluminum Retainers (1026 13 00-0001)

Note: Includes closure caps.

10 26 13 00-0012 Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (1026 13 00-0011)

10 26 13 00-0013 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (1026 13 00-0012)

10 26 13 00-0014	LF		2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20) .....	14.41	4.71
			For >50 To 100, Deduct	-1.97	
			For >100 To 200, Deduct	-2.75	
			For >200, Deduct	-3.86	
			For Recycled Vinyl Retainer, Deduct	-1.31	
10 26 13 00-0015	LF		3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10) .....	16.20	4.71
			For >50 To 100, Deduct	-1.97	
			For >100 To 200, Deduct	-2.75	
			For >200, Deduct	-3.95	
			For Recycled Vinyl Retainer, Deduct	-1.67	
10 26 13 00-0016	LF		Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30) .....	17.99	4.71
			For >50 To 100, Deduct	-1.97	
			For >100 To 200, Deduct	-2.75	
			For >200, Deduct	-4.04	
			For Recycled Vinyl Retainer, Deduct	-2.03	

10 26 13 00-0017 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (1026 13 00-0012)

10 26 13 00-0018	LF		3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135) .....	21.34	4.71
			For >50 To 100, Deduct	-1.97	
			For >100 To 200, Deduct	-2.75	
			For >200, Deduct	-4.21	
			For Recycled Vinyl Retainer, Deduct	-2.70	

**10 Specialties****10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR		CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST
10 26 13 00-0019		<b>End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers</b> <small>(10 26 13 00-0012)</small> Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0020	LF	2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11).....	30.38	6.29
		<i>For &gt;50 To 100, Deduct</i>	-2.62	
		<i>For &gt;100 To 200, Deduct</i>	-3.67	
		<i>For &gt;200, Deduct</i>	-5.71	
		<i>For Recycled Vinyl Retainer, Deduct</i>	-3.98	
10 26 13 00-0021		<b>Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers</b> <small>(10 26 13 00-0011)</small>		
10 26 13 00-0022		<b>90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers</b> <small>(10 26 13 00-0021)</small>		
10 26 13 00-0023	LF	2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72).....	19.56	4.71
		<i>For &gt;50 To 100, Deduct</i>	-1.97	
		<i>For &gt;100 To 200, Deduct</i>	-2.75	
		<i>For &gt;200, Deduct</i>	-4.12	
		<i>For Up To 2 HR Fire Rated, Add</i>	8.19	
10 26 13 00-0024	LF	3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7).....	23.80	4.71
		<i>For &gt;50 To 100, Deduct</i>	-1.97	
		<i>For &gt;100 To 200, Deduct</i>	-2.75	
		<i>For &gt;200, Deduct</i>	-4.33	
		<i>For Up To 2 HR Fire Rated, Add</i>	11.16	
10 26 13 00-0025	LF	Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32).....	21.98	4.71
		<i>For &gt;50 To 100, Deduct</i>	-1.97	
		<i>For &gt;100 To 200, Deduct</i>	-2.75	
		<i>For &gt;200, Deduct</i>	-4.24	
		<i>For Up To 2 HR Fire Rated, Add</i>	9.88	
10 26 13 00-0026		<b>135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers</b> <small>(10 26 13 00-0021)</small>		
10 26 13 00-0027	LF	3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75).....	25.61	4.71
		<i>For &gt;50 To 100, Deduct</i>	-1.97	
		<i>For &gt;100 To 200, Deduct</i>	-2.75	
		<i>For &gt;200, Deduct</i>	-4.42	
		<i>For Up To 2 HR Fire Rated, Add</i>	12.43	
10 26 13 00-0028		<b>End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers</b> <small>(10 26 13 00-0021)</small> Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0029	LF	2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888).....	54.48	6.29
		<i>For &gt;50 To 100, Deduct</i>	-2.62	
		<i>For &gt;100 To 200, Deduct</i>	-3.67	
		<i>For &gt;200, Deduct</i>	-6.92	
		<i>For Up To 2 HR Fire Rated, Add</i>	30.80	
10 26 13 00-0030		<b>Flexible Vinyl Corner Guards</b> <small>(10 26 13 00-0001)</small> Note: Includes adhesive for installation.		
10 26 13 00-0031		<b>Surface Mounted, Flexible Vinyl Corner Guards</b> <small>(10 26 13 00-0030)</small>		
10 26 13 00-0032		<b>90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards</b> <small>(10 26 13 00-0031)</small>		
10 26 13 00-0033	LF	1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9).....	10.76	3.14
		<i>For &gt;50 To 100, Deduct</i>	-1.31	
		<i>For &gt;100 To 200, Deduct</i>	-1.83	
		<i>For &gt;200, Deduct</i>	-2.63	
		<i>For Bolting To Concrete Or Masonry, Add</i>	2.40	
10 26 13 00-0034	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3).....	13.95	3.14
		<i>For &gt;50 To 100, Deduct</i>	-1.31	
		<i>For &gt;100 To 200, Deduct</i>	-1.83	
		<i>For &gt;200, Deduct</i>	-2.79	
		<i>For Bolting To Concrete Or Masonry, Add</i>	2.88	
10 26 13 00-0035	LF	4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15).....	16.54	3.14
		<i>For &gt;50 To 100, Deduct</i>	-1.31	
		<i>For &gt;100 To 200, Deduct</i>	-1.83	
		<i>For &gt;200, Deduct</i>	-2.92	
		<i>For Bolting To Concrete Or Masonry, Add</i>	3.27	
10 26 13 00-0036		<b>Polycarbonate Corner Guards</b> <small>(10 26 13)</small>		
10 26 13 00-0037		<b>Surface Mounted, Polycarbonate Corner Guards</b> <small>(10 26 13 00-0036)</small>		
10 26 13 00-0038		<b>90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards</b> <small>(10 26 13 00-0037)</small>		
10 26 13 00-0039	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16).....	6.90	3.14
		<i>For &gt;50 To 100, Deduct</i>	-1.31	
		<i>For &gt;100 To 200, Deduct</i>	-1.83	
		<i>For &gt;200, Deduct</i>	-2.44	

<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Wall and Door Protection</b>	<b>10 26</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0040	LF		1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	8.47 -1.31 -1.83 -2.52	3.14
10 26 13 00-0041	LF		2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	10.29 -1.31 -1.83 -2.61	3.14
10 26 13 00-0042	LF		2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	11.39 -1.31 -1.83 -2.67	3.14
10 26 13 00-0043	LF		Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	10.99 -1.31 -1.83 -2.65	3.14
10 26 13 00-0044			<b>135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards</b> <small>(10 26 13 00-0037)</small>		
10 26 13 00-0045	LF		2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	11.39 -1.31 -1.83 -2.67	3.14
10 26 13 00-0046			<b>Aluminum Corner Guards</b> <small>(10 26 13)</small>		
10 26 13 00-0047			<b>Surface Mounted, Aluminum Corner Guards</b> <small>(10 26 13 00-0046)</small>		
10 26 13 00-0048			<b>90 Degree Angle, Surface Mounted, Aluminum Corner Guards</b> <small>(10 26 13 00-0047)</small>		
10 26 13 00-0049	LF		1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	10.08 -1.31 -1.83 -2.60	3.14
10 26 13 00-0050	LF		2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	12.19 -1.31 -1.83 -2.71	3.14
10 26 13 00-0051	LF		3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	13.49 -1.31 -1.83 -2.77	3.14
10 26 13 00-0052			<b>135 Degree Angle, Surface Mounted, Aluminum Corner Guards</b> <small>(10 26 13 00-0047)</small>		
10 26 13 00-0053	LF		1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	10.08 -1.31 -1.83 -2.60	3.14
10 26 13 00-0054	LF		2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	12.19 -1.31 -1.83 -2.71	3.14
10 26 13 00-0055	LF		3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	13.49 -1.31 -1.83 -2.77	3.14
10 26 13 00-0056			<b>Steel Corner Guards</b> <small>(10 26 13)</small>		
10 26 13 00-0057			<b>Steel Angle Iron, Corner Guards</b> <small>(10 26 13 00-0056)</small>		
10 26 13 00-0058			<b>Surface Mounted, Steel Angle Iron, Corner Guards</b> <small>(10 26 13 00-0057)</small>		
10 26 13 00-0059			<b>90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards</b> <small>(10 26 13 00-0058)</small>		
10 26 13 00-0060	LF		1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard ..... <i>For Galvanizing, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	13.13 2.39 -1.57 -2.20 -3.17	3.78
10 26 13 00-0061	LF		2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard ..... <i>For Galvanizing, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	16.80 3.49 -1.71 -2.39 -3.57	4.09
10 26 13 00-0062	LF		2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard ..... <i>For Galvanizing, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	17.87 3.78 -1.77 -2.48 -3.73	4.25
10 26 13 00-0063	LF		3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard ..... <i>For Galvanizing, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	18.27 3.83 -1.84 -2.57 -3.85	4.40

**10 Specialties**

**10 20 Interior Specialties**

**10 26 Wall and Door Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0064	LF		3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard.....	22.88	4.56
			<i>For Galvanizing, Add</i>	5.35	
			<i>For &gt;50 To 100, Deduct</i>	-1.90	
			<i>For &gt;100 To 200, Deduct</i>	-2.66	
			<i>For &gt;200, Deduct</i>	-4.18	
10 26 13 00-0065	LF		4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard.....	27.51	4.71
			<i>For Galvanizing, Add</i>	6.88	
			<i>For &gt;50 To 100, Deduct</i>	-1.97	
			<i>For &gt;100 To 200, Deduct</i>	-2.75	
			<i>For &gt;200, Deduct</i>	-4.52	
10 26 13 00-0066	LF		6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard.....	47.15	6.29
			<i>For Galvanizing, Add</i>	12.83	
			<i>For &gt;50 To 100, Deduct</i>	-2.62	
			<i>For &gt;100 To 200, Deduct</i>	-3.67	
			<i>For &gt;200, Deduct</i>	-6.55	
10 26 13 00-0067			<b>Stainless Steel Corner Guards</b> <small>(10 26 13)</small>		
10 26 13 00-0068			<b>Stainless Steel Corner Guards</b> <small>(10 26 13 00-0067)</small> Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.		
10 26 13 00-0069			<b>Surface Mounted, Stainless Steel Corner Guards</b> <small>(10 26 13 00-0068)</small>		
10 26 13 00-0070			<b>90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards</b> <small>(10 26 13 00-0069)</small>		
10 26 13 00-0071	LF		1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520).....	11.28	3.14
			<i>For &gt;50 To 100, Deduct</i>	-1.31	
			<i>For &gt;100 To 200, Deduct</i>	-1.83	
			<i>For &gt;200, Deduct</i>	-2.66	
10 26 13 00-0072	LF		2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510).....	13.13	3.14
			<i>For &gt;50 To 100, Deduct</i>	-1.31	
			<i>For &gt;100 To 200, Deduct</i>	-1.83	
			<i>For &gt;200, Deduct</i>	-2.75	
10 26 13 00-0073	LF		3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500).....	17.97	3.14
			<i>For &gt;50 To 100, Deduct</i>	-1.31	
			<i>For &gt;100 To 200, Deduct</i>	-1.83	
			<i>For &gt;200, Deduct</i>	-2.99	
10 26 13 00-0074	LF		Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550).....	17.97	3.14
			<i>For &gt;50 To 100, Deduct</i>	-1.31	
			<i>For &gt;100 To 200, Deduct</i>	-1.83	
			<i>For &gt;200, Deduct</i>	-2.99	
10 26 13 00-0075			<b>135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards</b> <small>(10 26 13 00-0069)</small>		
10 26 13 00-0076	LF		3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600).....	17.97	3.14
			<i>For &gt;50 To 100, Deduct</i>	-1.31	
			<i>For &gt;100 To 200, Deduct</i>	-1.83	
			<i>For &gt;200, Deduct</i>	-2.99	
10 26 13 00-0077	LF		Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650).....	17.97	3.14
			<i>For &gt;50 To 100, Deduct</i>	-1.31	
			<i>For &gt;100 To 200, Deduct</i>	-1.83	
			<i>For &gt;200, Deduct</i>	-2.99	
10 26 13 00-0078			<b>Stainless Steel Angle Iron, Corner Guards</b> <small>(10 26 13 00-0067)</small>		
10 26 13 00-0079			<b>Surface Mounted, Stainless Steel Angle Iron, Corner Guards</b> <small>(10 26 13 00-0078)</small>		
10 26 13 00-0080			<b>90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards</b> <small>(10 26 13 00-0079)</small>		
10 26 13 00-0081	LF		1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard .....	22.08	3.78
			<i>For &gt;50 To 100, Deduct</i>	-1.57	
			<i>For &gt;100 To 200, Deduct</i>	-2.20	
			<i>For &gt;200, Deduct</i>	-3.62	
10 26 13 00-0082	LF		2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard .....	36.75	4.09
			<i>For &gt;50 To 100, Deduct</i>	-1.71	
			<i>For &gt;100 To 200, Deduct</i>	-2.39	
			<i>For &gt;200, Deduct</i>	-4.57	
10 26 13 00-0083	LF		2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard .....	51.40	4.25
			<i>For &gt;50 To 100, Deduct</i>	-1.77	
			<i>For &gt;100 To 200, Deduct</i>	-2.48	
			<i>For &gt;200, Deduct</i>	-5.40	
10 26 13 00-0084	LF		3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard .....	47.98	4.40
			<i>For &gt;50 To 100, Deduct</i>	-1.84	
			<i>For &gt;100 To 200, Deduct</i>	-2.57	
			<i>For &gt;200, Deduct</i>	-5.34	
10 26 13 00-0085	LF		3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard .....	68.62	4.56
			<i>For &gt;50 To 100, Deduct</i>	-1.90	
			<i>For &gt;100 To 200, Deduct</i>	-2.66	
			<i>For &gt;200, Deduct</i>	-6.47	
10 26 13 00-0086	LF		4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard .....	63.37	4.71
			<i>For &gt;50 To 100, Deduct</i>	-1.97	
			<i>For &gt;100 To 200, Deduct</i>	-2.75	
			<i>For &gt;200, Deduct</i>	-6.31	
10 26 13 00-0087			<b>Rubber Corner Guards</b> <small>(10 26 13)</small> Note: Includes adhesive for installation.		

<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Wall and Door Protection</b>	<b>10 26</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 26 13 00-0088	Natural Rubber Corner Guards <small>(10 26 13 00-0087)</small>		
10 26 13 00-0089	Surface Mounted, Natural Rubber Corner Guards <small>(10 26 13 00-0088)</small>		
10 26 13 00-0090	90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards <small>(10 26 13 00-0089)</small>		
10 26 13 00-0091	LF 4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5).....	53.04	3.14
	<i>For &gt;50 To 100, Deduct</i>	-1.31	
	<i>For &gt;100 To 200, Deduct</i>	-1.83	
	<i>For &gt;200, Deduct</i>	-4.75	
	<i>For Bolting To Concrete Or Masonry, Add</i>	8.74	

10 26 13 00-0092	Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0087)</small>		
10 26 13 00-0093	Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0092)</small>		
10 26 13 00-0094	90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0093)</small>		
10 26 13 00-0095	LF 4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2).....	23.60	3.14
	<i>For &gt;50 To 100, Deduct</i>	-1.31	
	<i>For &gt;100 To 200, Deduct</i>	-1.83	
	<i>For &gt;200, Deduct</i>	-3.28	
	<i>For Bolting To Concrete Or Masonry, Add</i>	4.33	

10 26 13 00-0096	Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0087)</small>		
10 26 13 00-0097	Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0096)</small>		
10 26 13 00-0098	90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0097)</small>		
10 26 13 00-0099	LF 4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E).....	20.65	3.14
	<i>For &gt;50 To 100, Deduct</i>	-1.31	
	<i>For &gt;100 To 200, Deduct</i>	-1.83	
	<i>For &gt;200, Deduct</i>	-3.13	
	<i>For Bolting To Concrete Or Masonry, Add</i>	3.88	

**10 26 16 Bumper Guards (10 26)**

**10 26 16 13 Bumper Rails (10 26 16)**

10 26 16 13-0001	Crash Rails <small>(10 26 16 13)</small> Note: Includes end caps.		
10 26 16 13-0002	Polycarbonate Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0003	LF 3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3).....	12.29	4.19
	<i>For &gt;50 To 100, Deduct</i>	-2.10	
	<i>For &gt;100 To 200, Deduct</i>	-2.94	
	<i>For &gt;200, Deduct</i>	-3.97	
10 26 16 13-0004	LF 4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4).....	13.67	4.19
	<i>For &gt;50 To 100, Deduct</i>	-2.10	
	<i>For &gt;100 To 200, Deduct</i>	-2.94	
	<i>For &gt;200, Deduct</i>	-4.04	

10 26 16 13-0005	Aluminum Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0006	LF 4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100).....	37.72	4.19
	<i>For &gt;50 To 100, Deduct</i>	-2.10	
	<i>For &gt;100 To 200, Deduct</i>	-2.94	
	<i>For &gt;200, Deduct</i>	-5.24	

10 26 16 13-0007	Stainless Steel Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0008	LF 4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100).....	67.06	4.19
	<i>For &gt;50 To 100, Deduct</i>	-2.10	
	<i>For &gt;100 To 200, Deduct</i>	-2.94	
	<i>For &gt;200, Deduct</i>	-6.71	
10 26 16 13-0009	LF 5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200).....	52.39	4.19
	<i>For &gt;50 To 100, Deduct</i>	-2.10	
	<i>For &gt;100 To 200, Deduct</i>	-2.94	
	<i>For &gt;200, Deduct</i>	-5.98	

10 26 16 13-0010	Wall Guards <small>(10 26 16 13)</small>		
10 26 16 13-0011	Rigid Vinyl Wall Guards With Aluminum Retainers <small>(10 26 16 13-0010)</small> Note: Includes end caps.		
10 26 16 13-0012	LF 1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1).....	12.85	3.67
	<i>For &gt;50 To 100, Deduct</i>	-1.84	
	<i>For &gt;100 To 200, Deduct</i>	-2.57	
	<i>For &gt;200, Deduct</i>	-3.58	

**10 Specialties****10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0013	LF		3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3) .....	15.70	4.19
			<i>For &gt;50 To 100, Deduct</i>	-2.10	
			<i>For &gt;100 To 200, Deduct</i>	-2.94	
			<i>For &gt;200, Deduct</i>	-4.14	
10 26 16 13-0014	LF		4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4) .....	17.07	4.19
			<i>For &gt;50 To 100, Deduct</i>	-2.10	
			<i>For &gt;100 To 200, Deduct</i>	-2.94	
			<i>For &gt;200, Deduct</i>	-4.21	
10 26 16 13-0015	LF		5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5).....	17.81	4.19
			<i>For &gt;50 To 100, Deduct</i>	-2.10	
			<i>For &gt;100 To 200, Deduct</i>	-2.94	
			<i>For &gt;200, Deduct</i>	-4.25	
10 26 16 13-0016	LF		6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6) .....	21.38	4.45
			<i>For &gt;50 To 100, Deduct</i>	-2.23	
			<i>For &gt;100 To 200, Deduct</i>	-3.12	
			<i>For &gt;200, Deduct</i>	-4.63	
10 26 16 13-0017	LF		8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7).....	21.50	4.45
			<i>For &gt;50 To 100, Deduct</i>	-2.23	
			<i>For &gt;100 To 200, Deduct</i>	-3.12	
			<i>For &gt;200, Deduct</i>	-4.64	
10 26 16 13-0018	LF		7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8) .....	22.16	4.45
			<i>For &gt;50 To 100, Deduct</i>	-2.23	
			<i>For &gt;100 To 200, Deduct</i>	-3.12	
			<i>For &gt;200, Deduct</i>	-4.67	
10 26 16 13-0019	LF		12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12) .....	26.80	4.71
			<i>For &gt;50 To 100, Deduct</i>	-2.36	
			<i>For &gt;100 To 200, Deduct</i>	-3.30	
			<i>For &gt;200, Deduct</i>	-5.11	
<b>10 26 16 13-0020</b>			<b>Rubber Wall Guards</b> <small>(10 26 16 13-0010)</small>		
<b>10 26 16 13-0021</b>			<b>D-Shaped, Rubber Wall Guards</b> <small>(10 26 16 13-0020)</small>		
10 26 16 13-0022	LF		2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2) .....	17.53	3.67
			<i>For &gt;50 To 100, Deduct</i>	-1.84	
			<i>For &gt;100 To 200, Deduct</i>	-2.57	
			<i>For &gt;200, Deduct</i>	-3.81	
10 26 16 13-0023	LF		3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3) .....	25.99	4.19
			<i>For &gt;50 To 100, Deduct</i>	-2.10	
			<i>For &gt;100 To 200, Deduct</i>	-2.94	
			<i>For &gt;200, Deduct</i>	-4.66	
10 26 16 13-0024	LF		4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4) .....	38.68	4.19
			<i>For &gt;50 To 100, Deduct</i>	-2.10	
			<i>For &gt;100 To 200, Deduct</i>	-2.94	
			<i>For &gt;200, Deduct</i>	-5.29	
10 26 16 13-0025	LF		6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6) .....	54.67	4.19
			<i>For &gt;50 To 100, Deduct</i>	-2.10	
			<i>For &gt;100 To 200, Deduct</i>	-2.94	
			<i>For &gt;200, Deduct</i>	-6.09	
<b>10 26 16 13-0026</b>			<b>Rectangular, Rubber Wall Guards</b> <small>(10 26 16 13-0020)</small>		
10 26 16 13-0027	LF		8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1) .....	41.40	4.45
			<i>For &gt;50 To 100, Deduct</i>	-2.23	
			<i>For &gt;100 To 200, Deduct</i>	-3.12	
			<i>For &gt;200, Deduct</i>	-5.63	
10 26 16 13-0028	LF		9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2).....	52.41	4.71
			<i>For &gt;50 To 100, Deduct</i>	-2.36	
			<i>For &gt;100 To 200, Deduct</i>	-3.30	
			<i>For &gt;200, Deduct</i>	-6.39	
<b>10 26 16 13-0029</b>			<b>Wing Type, Rubber Wall Guards</b> <small>(10 26 16 13-0020)</small>		
10 26 16 13-0030	LF		6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20) .....	68.53	4.19
			<i>For &gt;50 To 100, Deduct</i>	-2.10	
			<i>For &gt;100 To 200, Deduct</i>	-2.94	
			<i>For &gt;200, Deduct</i>	-6.78	
10 26 16 13-0031	LF		6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30) .....	72.93	4.19
			<i>For &gt;50 To 100, Deduct</i>	-2.10	
			<i>For &gt;100 To 200, Deduct</i>	-2.94	
			<i>For &gt;200, Deduct</i>	-7.00	
10 26 16 13-0032	LF		3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25).....	32.98	3.67
			<i>For &gt;50 To 100, Deduct</i>	-1.84	
			<i>For &gt;100 To 200, Deduct</i>	-2.57	
			<i>For &gt;200, Deduct</i>	-4.59	
<b>10 26 16 13-0033</b>			<b>U-Shaped, Rubber Wall Guards</b> <small>(10 26 16 13-0020)</small>		
10 26 16 13-0034	LF		3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4) .....	57.68	4.45
			<i>For &gt;50 To 100, Deduct</i>	-2.23	
			<i>For &gt;100 To 200, Deduct</i>	-3.12	
			<i>For &gt;200, Deduct</i>	-6.45	
10 26 16 13-0035	LF		4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3).....	64.65	4.45
			<i>For &gt;50 To 100, Deduct</i>	-2.23	
			<i>For &gt;100 To 200, Deduct</i>	-3.12	
			<i>For &gt;200, Deduct</i>	-6.80	



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Wall and Door Protection</b>	<b>10 26</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 26 16 13-0036</b>	<b>Accent Rails</b> <small>(10 26 16 13)</small> Note: Includes end caps.		
<b>10 26 16 13-0037</b>	<b>Oval, Rigid Vinyl Accent Rails With Aluminum Retainers</b> <small>(10 26 16 13-0036)</small>		
10 26 16 13-0038	LF 1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25).....	15.24	3.67
	For >50 To 100, Deduct	-1.84	
	For >100 To 200, Deduct	-2.57	
	For >200, Deduct	-3.70	
10 26 16 13-0039	LF 2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30) .....	15.27	3.67
	For >50 To 100, Deduct	-1.84	
	For >100 To 200, Deduct	-2.57	
	For >200, Deduct	-3.70	
10 26 16 13-0040	LF 2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22) .....	22.03	3.67
	For >50 To 100, Deduct	-1.84	
	For >100 To 200, Deduct	-2.57	
	For >200, Deduct	-4.04	

**10 26 16 16 Protective Corridor Handrails** (10 26 16)

<b>10 26 16 16-0001</b>	<b>Protective Corridor Handrails</b> <small>(10 26 16 16)</small>		
<b>10 26 16 16-0002</b>	<b>Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers</b> <small>(10 26 16 16-0001)</small>		
10 26 16 16-0003	LF 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN) .....	32.20	7.86
	For >50 To 100, Deduct	-3.93	
	For >100 To 200, Deduct	-5.51	
	For >200, Deduct	-7.90	
10 26 16 16-0004	EA End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	27.49	7.86
	For >25 To 50, Deduct	-3.93	
	For >50 To 100, Deduct	-5.51	
	For >100, Deduct	-7.67	
10 26 16 16-0005	LF 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C).....	46.31	7.86
	For >50 To 100, Deduct	-3.93	
	For >100 To 200, Deduct	-5.51	
	For >200, Deduct	-8.61	
10 26 16 16-0006	EA End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	36.90	7.86
	For >25 To 50, Deduct	-3.93	
	For >50 To 100, Deduct	-5.51	
	For >100, Deduct	-8.14	
10 26 16 16-0007	LF 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN) .....	48.67	7.86
	For >50 To 100, Deduct	-3.93	
	For >100 To 200, Deduct	-5.51	
	For >200, Deduct	-8.73	
10 26 16 16-0008	EA End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn).....	53.37	7.86
	For >25 To 50, Deduct	-3.93	
	For >50 To 100, Deduct	-5.51	
	For >100, Deduct	-8.96	
10 26 16 16-0009	LF 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN).....	65.13	7.86
	For >50 To 100, Deduct	-3.93	
	For >100 To 200, Deduct	-5.51	
	For >200, Deduct	-9.55	
10 26 16 16-0010	EA End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	72.19	7.86
	For >25 To 50, Deduct	-3.93	
	For >50 To 100, Deduct	-5.51	
	For >100, Deduct	-9.90	

**10 26 16 16-0011 Stainless Steel Protective Corridor Handrails** (10 26 16 16-0001)

10 26 16 16-0012	LF 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS).....	88.66	7.86
	For >50 To 100, Deduct	-3.93	
	For >100 To 200, Deduct	-5.51	
	For >200, Deduct	-10.73	
10 26 16 16-0013	EA End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn).....	91.01	7.86
	For >25 To 50, Deduct	-3.93	
	For >50 To 100, Deduct	-5.51	
	For >100, Deduct	-10.84	

**10 26 16 16-0014 Hardwood Protective Corridor Handrails** (10 26 16 16-0001)

	Note: Includes end caps.		
10 26 16 16-0015	LF 4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C).....	30.25	5.52
	For >50 To 100, Deduct	-2.76	
	For >100 To 200, Deduct	-3.87	
	For >200, Deduct	-5.93	
	For Maple, Add	0.58	
10 26 16 16-0016	LF 5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500).....	36.45	5.89
	For >50 To 100, Deduct	-2.95	
	For >100 To 200, Deduct	-4.12	
	For >200, Deduct	-6.53	
10 26 16 16-0017	LF 1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500).....	26.14	5.52
	For >50 To 100, Deduct	-2.76	
	For >100 To 200, Deduct	-3.87	
	For >200, Deduct	-5.73	
	For Maple, Add	6.49	
	For Oak, Add	7.24	

**10 26 23 Protective Wall Covering** (10 26)

**10 Specialties****10 20 Interior Specialties****10 26 Wall and Door Protection**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**10 26 23 13 Impact Resistant Wall Protection (10 26 23)****10 26 23 13-0001 Impact Resistant Wall Protection (10 26 23 13)**

Note: Includes standard trim.

10 26 23 13-0002	SF	0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30)	8.16	2.62
10 26 23 13-0003	SF	0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40)	8.52	2.62
10 26 23 13-0004	SF	0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60)	10.57	2.62

**10 26 23 13-0005 Interior Polyvinyl Chloride (PVC) Soffit System (10 26 23 13)**

Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.

**10 26 23 13-0006 "L" Design (10 26 23 13-0005)****10 26 23 13-0007 L-Shield (10 26 23 13-0006)**

10 26 23 13-0008	LF	2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe	12.81	2.62
10 26 23 13-0009	LF	3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe	15.10	3.67
10 26 23 13-0010	LF	3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe	19.78	4.71
10 26 23 13-0011	LF	5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe	26.86	5.77

**10 26 23 13-0012 "Combo" Hanger (10 26 23 13-0006)**

10 26 23 13-0013	EA	Combination "Combo" Hanger, L-Support, For 3/4" Pipe	15.11	5.24
10 26 23 13-0014	EA	Combination "Combo" Hanger, L-Support, For 1" Pipe	17.57	6.30
10 26 23 13-0015	EA	Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe	20.31	7.34
10 26 23 13-0016	EA	Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe	22.69	8.39
10 26 23 13-0017	EA	Combination "Combo" Hanger, L-Support, For 2" Pipe	25.44	9.44

**10 26 23 13-0018 Snap-2 Pipe Hanger (10 26 23 13-0006)**

10 26 23 13-0019	EA	Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe	12.89	5.24
10 26 23 13-0020	EA	Snap-2 Pipe Hanger, L-Support, For 1" Pipe	15.63	6.30
10 26 23 13-0021	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe	18.19	7.34
10 26 23 13-0022	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe	21.12	8.39
10 26 23 13-0023	EA	Snap-2 Pipe Hanger, L-Support, For 2" Pipe	24.14	9.44

**10 26 23 13-0024 Coupling (10 26 23 13-0006)**

10 26 23 13-0025	EA	Coupling, L-Shield, 1" Shield Size	8.10	2.62
10 26 23 13-0026	EA	Coupling, L-Shield, 1-1/4" Shield Size	11.68	3.67
10 26 23 13-0027	EA	Coupling, L-Shield, 2" Shield Size	16.55	4.71
10 26 23 13-0028	EA	Coupling, L-Shield, 2-1/2" Shield Size	20.67	5.77

**10 26 23 13-0029 Coupling, Reducer (10 26 23 13-0006)**

10 26 23 13-0030	EA	Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	21.07	3.14
10 26 23 13-0031	EA	Coupling, Reducing, L-Shield, 2" x 1" Shield Size	25.81	3.67
10 26 23 13-0032	EA	Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	30.55	4.19
10 26 23 13-0033	EA	Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	114.64	5.24

**10 26 23 13-0034 Shield Clips (10 26 23 13-0006)**

10 26 23 13-0035	EA	Shield Clips, L-Support, 1" Shield Size	4.89	1.57
10 26 23 13-0036	EA	Shield Clips, L-Support, 1-1/4" Shield Size	7.46	2.62
10 26 23 13-0037	EA	Shield Clips, L-Support, 2" Shield Size	9.93	3.67
10 26 23 13-0038	EA	Shield Clips, L-Support, 2-1/2" Shield Size	11.47	4.71

**10 26 23 13-0039 Wall Flange (10 26 23 13-0006)**

10 26 23 13-0040	EA	Wall Flange, L-Shield, 1" Shield Size	7.92	2.62
10 26 23 13-0041	EA	Wall Flange, L-Shield, 1-1/4" Shield Size	11.31	3.67
10 26 23 13-0042	EA	Wall Flange, L-Shield, 2" Shield Size	16.18	4.71
10 26 23 13-0043	EA	Wall Flange, L-Shield, 2-1/2" Shield Size	61.08	5.77

**10 26 23 13-0044 End Cap (10 26 23 13-0006)**

10 26 23 13-0045	EA	End Cap, L-Shield, 1" Shield Size	7.66	1.57
10 26 23 13-0046	EA	End Cap, L-Shield, 1-1/4" Shield Size	10.41	2.62
10 26 23 13-0047	EA	End Cap, L-Shield, 2" Shield Size	14.45	3.67
10 26 23 13-0048	EA	End Cap, L-Shield, 2-1/2" Shield Size	61.70	4.71

**10 26 23 13-0049 Inside/Outside Corner (10 26 23 13-0006)**

10 26 23 13-0050	EA	Inside/Outside Corner, L-Shield, 1" Shield Size	45.85	5.24
10 26 23 13-0051	EA	Inside/Outside Corner, L-Shield, 1-1/4" Shield Size	49.70	6.30
10 26 23 13-0052	EA	Inside/Outside Corner, L-Shield, 2" Shield Size	60.15	7.87
10 26 23 13-0053	EA	Inside/Outside Corner, L-Shield, 2-1/2" Shield Size	103.37	9.44

**10 26 23 13-0054 Joiner (10 26 23 13-0006)**

10 26 23 13-0055	LF	Joiner, L-Shield	9.70	1.57
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 26 23 13-0056			<b>"U" Design</b> (10 26 23 13-0056)		
10 26 23 13-0057			<b>U-Shield</b> (10 26 23 13-0056)		
10 26 23 13-0058	LF		2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe .....	15.21	2.62
10 26 23 13-0059	LF		2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe.....	19.16	3.67
10 26 23 13-0060	LF		3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe .....	24.49	3.67
10 26 23 13-0061			<b>"Combo" Hanger</b> (10 26 23 13-0056)		
10 26 23 13-0062	EA		Combination "Combo" Hanger, U-Support For 3/4" Pipe .....	13.35	5.24
10 26 23 13-0063	EA		Combination "Combo" Hanger, U-Support For 1" Pipe .....	15.90	6.30
10 26 23 13-0064	EA		Combination "Combo" Hanger, U-Support For 1-1/4" Pipe .....	18.37	7.34
10 26 23 13-0065	EA		Combination "Combo" Hanger, U-Support For 1-1/2" Pipe .....	22.41	8.39
10 26 23 13-0066	EA		Combination "Combo" Hanger, U-Support For 2" Pipe .....	25.34	9.44
10 26 23 13-0067			<b>Snap-2 Pipe Hanger</b> (10 26 23 13-0056)		
10 26 23 13-0068	EA		Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe .....	12.71	5.24
10 26 23 13-0069	EA		Snap-2 Pipe Hanger, U-Support, For 1" Pipe .....	15.44	6.30
10 26 23 13-0070	EA		Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe .....	18.65	7.34
10 26 23 13-0071	EA		Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe .....	20.94	8.39
10 26 23 13-0072	EA		Snap-2 Pipe Hanger, U-Support, For 2" Pipe .....	24.05	9.44
10 26 23 13-0073			<b>Coupling</b> (10 26 23 13-0056)		
10 26 23 13-0074	EA		Coupling, U-Shield, 1" Shield Size .....	9.40	2.62
10 26 23 13-0075	EA		Coupling, U-Shield, 1-1/4" Shield Size .....	11.96	3.67
10 26 23 13-0076	EA		Coupling, U-Shield, 2" Shield Size .....	14.70	4.71
10 26 23 13-0077			<b>Coupling, Reducer</b> (10 26 23 13-0056)		
10 26 23 13-0078	EA		Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size .....	24.77	3.14
10 26 23 13-0079	EA		Reducing Coupling, U-Shield, 2" x 1" Shield Size .....	29.50	3.67
10 26 23 13-0080	EA		Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size .....	31.47	4.19
10 26 23 13-0081			<b>Shield Clips</b> (10 26 23 13-0056)		
10 26 23 13-0082	EA		Shield Clips, U-Support, 1" Shield Size .....	4.52	1.57
10 26 23 13-0083	EA		Shield Clips, U-Support, 1-1/4" Shield Size .....	6.81	2.62
10 26 23 13-0084	EA		Shield Clips, U-Support, 2" Shield Size .....	9.09	3.67
10 26 23 13-0085			<b>Wall Flange</b> (10 26 23 13-0056)		
10 26 23 13-0086	EA		Wall Flange, U-Shield, 1" Shield Size .....	9.12	2.62
10 26 23 13-0087	EA		Wall Flange, U-Shield, 1-1/4" Shield Size .....	11.86	3.67
10 26 23 13-0088	EA		Wall Flange, U-Shield, 2" Shield Size .....	14.61	4.71
10 26 23 13-0089			<b>End Cap</b> (10 26 23 13-0056)		
10 26 23 13-0090	EA		End Cap, U-Shield, 1" Shield Size .....	8.13	1.57
10 26 23 13-0091	EA		End Cap, U-Shield, 1-1/4" Shield Size .....	11.15	2.62
10 26 23 13-0092	EA		End Cap, U-Shield, 2" Shield Size .....	14.08	3.67
10 26 23 13-0093			<b>Inside/Outside Corner</b> (10 26 23 13-0056)		
10 26 23 13-0094	EA		Inside/Outside Corner, U-Shield, 1" Shield Size .....	57.03	5.24
10 26 23 13-0095	EA		Inside/Outside Corner, U-Shield, 1-1/4" Shield Size .....	63.64	6.30
10 26 23 13-0096	EA		Inside/Outside Corner, U-Shield, 2" Shield Size .....	75.48	7.87
10 26 23 13-0097			<b>Elbow</b> (10 26 23 13-0056)		
10 26 23 13-0098	EA		Elbow, U-Shield, 1" Shield Size .....	56.01	5.24
10 26 23 13-0099	EA		Elbow, U-Shield, 1-1/4" Shield Size .....	61.79	6.30
10 26 23 13-0100	EA		Elbow, U-Shield, 2" Shield Size .....	73.73	7.87
10 26 23 13-0101			<b>Tee</b> (10 26 23 13-0056)		
10 26 23 13-0102	EA		Tee, U-Shield, 1" x 1" x 1" Shield Size .....	71.42	7.87
10 26 23 13-0103	EA		Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size .....	79.73	9.44
10 26 23 13-0104	EA		Tee, U-Shield, 2" x 2" x 2" Shield Size .....	93.34	11.53
10 26 23 13-0105	EA		Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size .....	93.54	8.92
10 26 23 13-0106	EA		Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size .....	101.52	11.01
10 26 23 13-0107			<b>Cross</b> (10 26 23 13-0056)		
10 26 23 13-0108	EA		Cross, U-Shield, 1" Shield Size .....	127.62	10.49
10 26 23 13-0109	EA		Cross, U-Shield, 1-1/4" Shield Size .....	143.35	12.58
10 26 23 13-0110	EA		Cross, U-Shield, 2" Shield Size .....	174.39	15.74
10 26 23 13-0111	EA		Cross, U-Shield, 1-1/4" x 1" Shield Size .....	173.76	11.53
10 26 23 13-0112	EA		Cross, U-Shield, 2" x 1-1/4" Shield Size .....	191.75	14.15

**10 Specialties****10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR		TOTAL DIRECT		DEMOLITION		
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	
10 26 23	13-0113	<b>Transition Fittings (L to U Or U to L)</b> (10 26 23 13-0005)				
10 26 23	13-0114	<b>Coupling Transition</b> (10 26 23 13-0113)				
10 26 23	13-0115	EA Transition Coupling, 1" x 1", LxU or UxL.....	22.04		2.62	
10 26 23	13-0116	EA Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL.....	25.25		3.67	
10 26 23	13-0117	EA Transition Coupling, 2" x 2", LxU or UxL.....	31.51		4.71	
10 26 23	13-0118	EA Transition Coupling, 1" x 1-1/4", LxU or UxL.....	25.04		3.14	
10 26 23	13-0119	EA Transition Coupling, 1-1/4" x 2", LxU or UxL.....	31.29		4.19	
10 26 23	13-0120	EA Transition Coupling, 2" x 2-1/2", LxU or UxL.....	119.91		5.24	
10 26 23	13-0121	<b>Elbow Transition</b> (10 26 23 13-0113)				
10 26 23	13-0122	EA Transition Elbow, 1" x 1" (UxL).....	74.57		5.24	
10 26 23	13-0123	EA Transition Elbow, 1-1/4" x 1-1/4" (UxL).....	81.09		6.30	
10 26 23	13-0124	EA Transition Elbow, 2" x 2" (UxL).....	95.33		7.87	
10 26 23	13-0125	EA Transition Elbow, 1" x 1-1/4" (UxL).....	114.95		5.77	
10 26 23	13-0126	EA Transition Elbow, 1-1/4" x 1" (UxL).....	82.07		5.77	
10 26 23	13-0127	EA Transition Elbow, 1-1/4" x 2" (UxL).....	121.97		7.34	
10 26 23	13-0128	EA Transition Elbow, 2" x 1-1/4" (UxL).....	95.29		7.34	
10 26 23	13-0129	EA Transition Elbow, 2" x 2-1/2" (UxL).....	146.42		8.39	
10 26 23	13-0130	<b>Tee Transition</b> (10 26 23 13-0113)				
10 26 23	13-0131	EA Transition Tee, 1" x 1" x 1" (LxLxU).....	86.28		7.87	
10 26 23	13-0132	EA Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU).....	99.95		9.44	
10 26 23	13-0133	EA Transition Tee, 2" x 2" x 2" (LxLxU).....	116.51		11.53	
10 26 23	13-0134	EA Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU).....	91.42		8.92	
10 26 23	13-0135	EA Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU).....	141.81		9.96	
10 26 23	13-0136	EA Transition Tee, 2" x 2" x 1-1/4" (LxLxU).....	102.35		11.01	
10 26 23	13-0137	EA Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU).....	138.86		13.11	
10 26 23	13-0138	<b>Fittings (L Or U)</b> (10 26 23 13-0005)				
10 26 23	13-0139	<b>Hugger Hangers For Steel Pipe</b> (10 26 23 13-0138)				
10 26 23	13-0140	EA Hugger Hanger, For 1/2" Steel Pipe.....	10.33		4.19	
10 26 23	13-0141	EA Hugger Hanger, For 3/4" Steel Pipe.....	12.89		5.24	
10 26 23	13-0142	EA Hugger Hanger, For 1" Steel Pipe.....	15.17		6.30	
10 26 23	13-0143	EA Hugger Hanger, For 1-1/4" Steel Pipe.....	17.54		7.34	
10 26 23	13-0144	EA Hugger Hanger, For 1-1/2" Steel Pipe.....	19.83		8.39	
10 26 23	13-0145	EA Hugger Hanger, For 2" Steel Pipe.....	22.30		8.39	
10 26 23	13-0146	EA Hugger Hanger, For 2-1/2" Steel Pipe.....	24.57		10.49	
10 26 23	13-0147	EA Hugger Hanger, For 3" Steel Pipe.....	30.09		11.53	
10 26 23	13-0148	<b>Hugger Hangers For Copper Pipe</b> (10 26 23 13-0138)				
10 26 23	13-0149	EA 1/2" Copper Pipe, Hugger Hanger.....	10.42		4.19	
10 26 23	13-0150	EA 3/4" Copper Pipe, Hugger Hanger.....	12.98		5.24	
10 26 23	13-0151	EA 1" Copper Pipe, Hugger Hanger.....	15.26		6.30	
10 26 23	13-0152	EA 1-1/4" Copper Pipe, Hugger Hanger.....	17.63		7.34	
10 26 23	13-0153	EA 1-1/2" Copper Pipe, Hugger Hanger.....	19.92		8.39	
10 26 23	13-0154	EA 2" Copper Pipe, Hugger Hanger.....	22.48		9.44	
10 26 23	13-0155	EA 2-1/2" Copper Pipe, Hugger Hanger.....	24.76		10.49	
10 26 23	13-0156	EA 3" Copper Pipe, Hugger Hanger.....	30.36		11.53	
10 26 23	13-0157	<b>Shield Extension (L Or U)</b> (10 26 23 13-0138)				
10 26 23	13-0158	LF Shield Extension.....	11.63		1.57	
10 26 23	13-0159	<b>Interior Steel Soffit System</b> (10 26 23 13)				
Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.						
10 26 23	13-0160	SF 24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel).....	22.86		4.71	
		For 22 Gauge Steel, Add	1.34			
		For 20 Gauge Steel, Add	2.87			
		For 18 Gauge Steel, Add	5.64			
		For 16 Gauge Steel, Add	8.66			
		For Stainless Steel, Add	3.36			
10 26 23	13-0161	EA U-Shield Wall Flange (JG Innovations Soffi-Steel).....	38.44		13.11	
		For Stainless Steel, Add	3.06			
10 26 23	13-0162	EA U-Shield Corner (JG Innovations Soffi-Steel).....	89.56		15.74	
		For Stainless Steel, Add	14.26			
10 26 23	13-0163	EA U-Shield End Cap (JG Innovations Soffi-Steel).....	28.78		7.87	
		For Stainless Steel, Add	3.26			
10 26 23	13-0164	EA U-Shield Clip (JG Innovations Soffi-Steel).....	6.82		3.14	
		For Stainless Steel, Add	0.13			
10 26 23	13-0165	SF 24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel).....	25.71		4.71	
		For 22 Gauge Steel, Add	1.22			
		For 20 Gauge Steel, Add	2.60			
		For 18 Gauge Steel, Add	5.04			
		For 16 Gauge Steel, Add	8.46			
		For Stainless Steel, Add	4.07			
10 26 23	13-0166	EA L-Shield Wall Flange (JG Innovations Soffi-Steel).....	38.44		13.11	
		For Stainless Steel, Add	3.06			

<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Wall and Door Protection</b>	<b>10 26</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 26 23 13-0167	EA L-Shield Corner (JG Innovations Soffi-Steel) ..... <i>For Stainless Steel, Add</i>	89.56 14.26	15.74
10 26 23 13-0168	EA L-Shield End Cap (JG Innovations Soffi-Steel) ..... <i>For Stainless Steel, Add</i>	24.57 3.26	5.77
10 26 23 13-0169	EA L-Shield Clip (JG Innovations Soffi-Steel) ..... <i>For Stainless Steel, Add</i>	6.82 0.13	3.14

**10 26 41 Bullet Resistant Panels (10 26)**

10 26 41 00-0001	Laminated Bullet Resistant Fiberglass Panel (10 26 41) Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.		
10 26 41 00-0002	SF 1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 LB/SF.....	16.56	1.47
10 26 41 00-0003	SF 3/16" Thick Ballistic Resistant Fiberglass Panel, 2 LB/SF.....	22.27	1.59
10 26 41 00-0004	SF 1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 LB/SF.....	25.09	1.69
10 26 41 00-0005	SF 5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 LB/SF.....	26.71	1.80
10 26 41 00-0006	SF 3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 LB/SF.....	28.91	1.90
10 26 41 00-0007	SF 7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 LB/SF.....	31.07	2.00
10 26 41 00-0008	SF 9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 LB/SF.....	51.78	2.43
10 26 41 00-0009	SF 1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 LB/SF.....	74.25	3.80
10 26 41 00-0010	SF 1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 LB/SF.....	87.98	4.55
10 26 41 00-0011	SF 1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 LB/SF.....	106.61	4.96
10 26 41 00-0012	SF 1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 LB/SF.....	120.95	5.28

**10 28 Toilet, Bath, and Laundry Accessories (10 20)**

**10 28 13 Toilet Accessories (10 28)**

**10 28 13 13 Commercial Toilet Accessories (10 28 13)**

10 28 13 13-0001	Toilet Accessories (10 28 13 13)		
10 28 13 13-0002	Dispensers (10 28 13 13-0001)		
10 28 13 13-0003	Paper Towel Dispensers (10 28 13 13-0002)		
10 28 13 13-0004	Stainless Steel Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13 13-0005	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262).....	94.28	23.58
10 28 13 13-0006	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620).....	100.22	23.58
10 28 13 13-0007	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621).....	101.10	23.58
10 28 13 13-0008	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212).....	102.81	23.58
10 28 13 13-0009	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263).....	149.76	23.58
10 28 13 13-0010	EA Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359).....	162.68	23.58
10 28 13 13-0011	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262).....	175.39	23.58
10 28 13 13-0012	EA Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526).....	177.24	10.48
10 28 13 13-0013	EA Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318).....	300.27	23.58
10 28 13 13-0014	EA Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860).....	351.21	23.58
10 28 13 13-0015	EA Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369).....	379.33	23.58
10 28 13 13-0016	EA Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466).....	220.69	23.58
10 28 13 13-0017	EA Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476).....	113.18	13.10
10 28 13 13-0018	Plastic Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13 13-0019	EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262).....	74.02	23.58
10 28 13 13-0020	EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860).....	142.27	23.58
10 28 13 13-0021	EA Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860).....	141.36	23.58
10 28 13 13-0022	EA Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462).....	121.73	23.58
10 28 13 13-0023	Aluminum Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13 13-0024	EA Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253).....	79.97	23.58
10 28 13 13-0025	Toilet Tissue Dispensers (10 28 13 13-0002)		
10 28 13 13-0026	Plastic Toilet Tissue Dispensers (10 28 13 13-0025)		
10 28 13 13-0027	EA Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288).....	73.80	23.58
10 28 13 13-0028	EA Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250).....	188.32	23.58
10 28 13 13-0029	EA Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760).....	65.17	23.58
10 28 13 13-0030	EA Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784).....	75.31	23.58
10 28 13 13-0031	Cast Aluminum Toilet Tissue Dispensers (10 28 13 13-0025)		
10 28 13 13-0032	EA Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730).....	67.64	23.58
10 28 13 13-0033	EA Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273).....	68.08	23.58

**10 Specialties****10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
10 28 13 13-0034	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740) .....	71.16		23.58
10 28 13 13-0035	EA	Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274) .....	76.88		23.58
10 28 13 13-0036	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460).....	98.02		23.58
<b>10 28 13 13-0037</b>		<b>Stainless Steel Toilet Tissue Dispensers (10 28 13 13-0025)</b>			
10 28 13 13-0038	EA	Single Roll, Surface Mounted, Vandal Resistant, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264).....	59.05		23.58
10 28 13 13-0039	EA	Double Roll, Surface Mounted, Toilet Tissue Dispenser With Utility Shelf (Bobrick B-540) .....	149.62		23.58
10 28 13 13-0040	EA	Single Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (Bobrick B-543) .....	91.37		23.58
10 28 13 13-0041	EA	Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663) .....	87.67		23.58
10 28 13 13-0042	EA	Single Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-685) .....	94.22		23.58
10 28 13 13-0043	EA	Double Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-686) .....	120.78		26.20
10 28 13 13-0044	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6857) .....	94.22		23.58
10 28 13 13-0045	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6867).....	120.78		23.58
10 28 13 13-0046	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hood (Bobrick B-66997).....	129.32		23.58
10 28 13 13-0047	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6999).....	196.31		23.58
10 28 13 13-0048	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-69997).....	196.31		23.58
10 28 13 13-0049	EA	Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890) .....	87.81		23.58
10 28 13 13-0050	EA	Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272).....	101.32		23.58
10 28 13 13-0051	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265).....	67.19		23.58
10 28 13 13-0052	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888) .....	108.14		23.58
10 28 13 13-0053	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888) .....	150.56		23.58
10 28 13 13-0054	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288).....	155.04		23.58
10 28 13 13-0055	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388).....	195.92		23.58
10 28 13 13-0056	EA	Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892) .....	222.63		23.58
10 28 13 13-0057	EA	Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386).....	277.39		23.58
		Note: Mounts centered through toilet partitions.			
10 28 13 13-0058	EA	Multi-Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser With Shelf (Bobrick B-2840).....	123.12		23.58
10 28 13 13-0059	EA	Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782).....	114.51		23.58
10 28 13 13-0060	EA	Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796).....	94.08		23.58
10 28 13 13-0061	EA	Two Roll, Recessed Mount, Stainless Steel Toilet Tissue Dispenser (Gamco TTD-9) .....	494.72		36.68
		For Owner Furnished Material, Deduct	-421.34		
<b>10 28 13 13-0062</b>		<b>Soap or Sanitizer Dispensers (10 28 13 13-0002)</b>			
10 28 13 13-0063	EA	20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221).....	86.57		23.58
		For 34 Fluid Ounce (B-822), Add	4.61		
10 28 13 13-0064	EA	20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216).....	93.18		23.58
		For 34 Fluid Ounce (B-822), Add	4.61		
10 28 13 13-0065	EA	24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156) .....	61.47		23.58
10 28 13 13-0066	EA	24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155) .....	66.09		23.58
10 28 13 13-0067	EA	40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40) .....	79.96		23.58
10 28 13 13-0068	EA	40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42).....	81.87		23.58
10 28 13 13-0069	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112) .....	87.89		23.58
10 28 13 13-0070	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112) .....	108.81		23.58
10 28 13 13-0071	EA	45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306).....	181.16		23.58
10 28 13 13-0072	EA	50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063) .....	282.66		23.58
10 28 13 13-0073	EA	800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18).....	179.25		23.58
		Note: Includes start-up kit.			
<b>10 28 13 13-0074</b>		<b>Sanitizer Dispensers (10 28 13 13-0002)</b>			
<b>10 28 13 13-0075</b>		<b>Manual Sanitizer Dispensers (10 28 13 13-0074)</b>			
10 28 13 13-0076	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Liquid Hand Sanitizer Dispenser (Purell 5020-01).....	71.58		23.58
10 28 13 13-0077	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Foam Hand Sanitizer Dispenser (Purell 4510-00).....	72.53		23.58
10 28 13 13-0078	EA	1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purell 8824-06-UV).....	72.23		23.58
<b>10 28 13 13-0079</b>		<b>Automatic Sanitizer Dispensers (10 28 13 13-0074)</b>			
10 28 13 13-0080	EA	1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA).....	67.57		23.58
10 28 13 13-0081	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 6420-01 ES6) .....	85.17		23.58
10 28 13 13-0082	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purell 6520-01 CS6) .....	80.78		23.58
10 28 13 13-0083	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 7720-01 ES8) .....	86.16		23.58
10 28 13 13-0084	EA	1,000/1,200 ml, Wall Mounted, Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Georgia-Pacific enMotion® Gen2 Hygiene Series 52058) .....	97.82		23.58
10 28 13 13-0085	EA	2,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 5240-06).....	98.37		23.58
<b>10 28 13 13-0086</b>		<b>Automatic Floor Stand Sanitizer Dispensers (10 28 13 13-0074)</b>			
10 28 13 13-0087	EA	1,000 ml, Floor Stand, Metal, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell Elite LTX™ 2456-DS).....	449.13		7.86
10 28 13 13-0088	EA	1,200 ml, Floor Stand, ABS Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Purell 7308-DS-SLV).....	482.85		7.86
10 28 13 13-0089	EA	1,200 ml, Floor Stand, Aluminum and Polypropylene, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 2454-DS02) .....	501.69		7.86
<b>10 28 13 13-0090</b>		<b>Facial Tissue Dispensers (10 28 13 13-0002)</b>			
10 28 13 13-0091	EA	Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397) .....	98.46		23.58
10 28 13 13-0092	EA	Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355).....	73.89		23.58

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 28 13 13-0093 Sanitary Toilet Seat Cover Dispensers</b> <small>(10 28 13 13-0002)</small>		
10 28 13 13-0094 EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221).....	60.59	23.58
10 28 13 13-0095 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221).....	77.98	23.58
10 28 13 13-0096 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221).....	132.81	23.58
10 28 13 13-0097 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301).....	140.88	23.58
10 28 13 13-0098 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013).....	268.35	23.58

<b>10 28 13 13-0099 Sanitary Toilet Seat Cover/Toilet Tissue Dispensers</b> <small>(10 28 13 13-0002)</small>		
10 28 13 13-0100 EA Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479).....	420.45	23.58
10 28 13 13-0101 EA Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745).....	260.81	23.58

<b>10 28 13 13-0102 Sanitary Napkin/Tampon Dispensers</b> <small>(10 28 13 13-0002)</small>		
10 28 13 13-0103 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C).....	517.22	23.58
10 28 13 13-0104 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25).....	395.25	23.58
10 28 13 13-0105 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706).....	523.94	23.58
10 28 13 13-0106 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25).....	400.23	23.58
10 28 13 13-0107 EA Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4).....	353.06	23.58
10 28 13 13-0108 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bradley 401-45).....	375.03	23.58

<b>10 28 13 13-0109 Toilet Compartment Combination Dispenser/Disposals</b> <small>(10 28 13 13-0002)</small>		
10 28 13 13-0110 EA Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094).....	377.03	52.41
10 28 13 13-0111 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474).....	419.00	52.41
10 28 13 13-0112 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745).....	350.35	52.41
10 28 13 13-0113 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574).....	486.38	52.41
10 28 13 13-0114 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347).....	499.36	52.41
10 28 13 13-0115 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357).....	571.80	52.41
10 28 13 13-0116 EA Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579).....	537.16	52.41

**10 28 13 13-0117 Receptacles** (10 28 13 13-0001)

<b>10 28 13 13-0118 Wall Mounted Waste Receptacles</b> <small>(10 28 13 13-0117)</small>		
10 28 13 13-0119 EA 1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3).....	87.87	23.58
10 28 13 13-0120 EA 6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279).....	140.73	23.58
10 28 13 13-0121 EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644).....	324.55	52.41
10 28 13 13-0122 EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644).....	473.39	52.41
10 28 13 13-0123 EA 20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275).....	378.50	52.41

<b>10 28 13 13-0124 Floor-Standing/Counter Waste Receptacles</b> <small>(10 28 13 13-0117)</small>		
10 28 13 13-0125 EA 5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532).....	102.31	23.58
10 28 13 13-0126 EA 5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529).....	143.15	23.58
10 28 13 13-0127 EA 13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260).....	261.80	10.48
10 28 13 13-0128 EA 13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250).....	394.35	10.48
10 28 13 13-0129 EA 18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300).....	369.65	10.48
10 28 13 13-0130 EA 21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280).....	355.60	10.48

<b>10 28 13 13-0131 Combination Paper Towel Dispenser/ Waste Receptacle</b> <small>(10 28 13 13-0117)</small>		
10 28 13 13-0132 EA 2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369).....	271.71	52.41
10 28 13 13-0133 EA 2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369).....	426.49	52.41
10 28 13 13-0134 EA 2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944).....	420.33	52.41
10 28 13 13-0135 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900).....	603.18	52.41
10 28 13 13-0136 EA 12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909).....	823.95	52.41
10 28 13 13-0137 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961).....	699.06	52.41
10 28 13 13-0138 EA 12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949).....	542.76	52.41
10 28 13 13-0139 EA 12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619).....	868.59	52.41
10 28 13 13-0140 EA 16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944).....	806.20	57.65
10 28 13 13-0141 EA 18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947).....	548.15	57.65

<b>10 28 13 13-0142 Sanitary Napkin/Tampon Receptacles</b> <small>(10 28 13 13-0117)</small>		
10 28 13 13-0143 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270).....	82.57	26.20
10 28 13 13-0144 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254).....	155.20	26.20

## 10 Specialties

## 10 20 Interior Specialties

## 10 28 Toilet, Bath, and Laundry Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0145	EA		Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353) .....	168.00	26.20
10 28 13 13-0146	EA		Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303) .....	379.80	26.20
10 28 13 13-0147	EA		Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354) .....	205.87	26.20
10 28 13 13-0148	EA		Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354) .....	353.61	26.20
<b>10 28 13 13-0149</b>			<b>Grab Bars</b> <small>(10 28 13 13-0001)</small>		
<b>10 28 13 13-0150</b>			<b>1-1/4" Diameter, Stainless Steel Grab Bars</b> <small>(10 28 13 13-0149)</small>		
			Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0151	EA		12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125x12) .....	79.47	20.96
			For Peened Grip, Add .....	3.85	
10 28 13 13-0152	EA		18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18) .....	90.41	20.96
			For Peened Grip, Add .....	4.84	
10 28 13 13-0153	EA		24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24) .....	91.51	20.96
			For Peened Grip, Add .....	4.93	
10 28 13 13-0154	EA		30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30) .....	92.03	20.96
			For Peened Grip, Add .....	4.98	
10 28 13 13-0155	EA		36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36) .....	92.17	20.96
			For Peened Grip, Add .....	4.99	
10 28 13 13-0156	EA		42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42) .....	94.82	20.96
			For Peened Grip, Add .....	5.23	
10 28 13 13-0157	EA		48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48) .....	98.99	20.96
			For Peened Grip, Add .....	5.61	
<b>10 28 13 13-0158</b>			<b>1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars</b> <small>(10 28 13 13-0149)</small>		
			Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0159	EA		24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616) .....	148.29	20.96
			For Peened Grip, Add .....	9.57	
10 28 13 13-0160	EA		36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837) .....	151.14	20.96
			For Peened Grip, Add .....	9.83	
<b>10 28 13 13-0161</b>			<b>1-1/2" Diameter, Stainless Steel Grab Bars</b> <small>(10 28 13 13-0149)</small>		
			Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0162	EA		12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12) .....	89.50	20.96
			For Peened Grip, Add .....	4.75	
10 28 13 13-0163	EA		18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18) .....	90.41	20.96
			For Peened Grip, Add .....	4.84	
10 28 13 13-0164	EA		24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24) .....	92.17	20.96
			For Peened Grip, Add .....	4.99	
10 28 13 13-0165	EA		30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30) .....	93.93	20.96
			For Peened Grip, Add .....	5.15	
10 28 13 13-0166	EA		36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36) .....	96.14	20.96
			For Peened Grip, Add .....	5.35	
10 28 13 13-0167	EA		42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42) .....	98.12	20.96
			For Peened Grip, Add .....	5.53	
10 28 13 13-0168	EA		48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48) .....	102.96	20.96
			For Peened Grip, Add .....	5.97	
<b>10 28 13 13-0169</b>			<b>1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars</b> <small>(10 28 13 13-0149)</small>		
			Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0170	EA		16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861) .....	136.39	20.96
			For Peened Grip, Add .....	8.50	
10 28 13 13-0171	EA		24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616) .....	145.87	20.96
			For Peened Grip, Add .....	9.35	
10 28 13 13-0172	EA		36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137) .....	128.02	20.96
			For Peened Grip, Add .....	7.75	
<b>10 28 13 13-0173</b>			<b>1-1/4" Diameter, Stainless Steel Swing Up Grab Bars</b> <small>(10 28 13 13-0149)</small>		
			Note: Includes satin finish and mounting for swing up.		
10 28 13 13-0174	EA		29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998) .....	381.04	20.96
			For Peened Grip, Add .....	30.99	
<b>10 28 13 13-0175</b>			<b>Shelves</b> <small>(10 28 13 13-0001)</small>		
10 28 13 13-0176	EA		5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295) .....	103.74	23.58
10 28 13 13-0177	EA		5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295) .....	106.39	23.58
10 28 13 13-0178	EA		5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295) .....	118.50	23.58
10 28 13 13-0179	EA		5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36) .....	121.54	23.58
10 28 13 13-0180	EA		6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296) .....	116.74	23.58
10 28 13 13-0181	EA		6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24) .....	118.18	23.58
10 28 13 13-0182	EA		8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298) .....	125.32	23.58
10 28 13 13-0183	EA		8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298) .....	135.66	23.58
10 28 13 13-0184	EA		8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36) .....	157.53	23.58
10 28 13 13-0185	EA		5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287) .....	125.54	23.58
10 28 13 13-0186	EA		4-3/4" Width x 24" Length, Stainless Steel Toiletary Shelf (Bobrick B-683) .....	127.74	23.58
10 28 13 13-0187	EA		12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24) .....	399.39	23.58
10 28 13 13-0188	EA		12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30) .....	430.16	23.58
10 28 13 13-0189	EA		12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36) .....	477.66	23.58
10 28 13 13-0190	EA		12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48) .....	606.89	23.58
10 28 13 13-0191	EA		12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60) .....	842.32	23.58
10 28 13 13-0192	EA		4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412) .....	312.93	23.58



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 28 13 13-0193</b>			<b>Changing Stations</b> <small>(10 28 13 13-0001)</small>		
10 28 13 13-0194	EA		Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1) .....	373.22	31.45
10 28 13 13-0195	EA		Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00).....	394.48	31.45
10 28 13 13-0196	EA		Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00).....	328.65	31.45
10 28 13 13-0197	EA		Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE).....	1,535.30	31.45
10 28 13 13-0198	EA		Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM) .....	1,781.26	31.45
10 28 13 13-0199	EA		Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE) .....	1,535.30	31.45
10 28 13 13-0200	EA		Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM).....	1,781.26	31.45

<b>10 28 13 13-0201</b>			<b>Folding Shower Seats</b> <small>(10 28 13 13-0001)</small>		
10 28 13 13-0202	EA		33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181).....	472.74	41.93
10 28 13 13-0203	EA		33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518) .....	611.45	41.93
10 28 13 13-0204	EA		30" Width, Wall-Mounted, Teakwood Folding Shower Seat.....	1,392.35	41.93
10 28 13 13-0205	EA		33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32).....	2,625.07	

<b>10 28 13 13-0206</b>			<b>Soap/Dish Holders</b> <small>(10 28 13 13-0001)</small>		
10 28 13 13-0207	EA		Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679).....	56.69	23.58
10 28 13 13-0208	EA		Surface Mounted, Stainless Steel Soap Dish (Gamco 7680).....	58.23	23.58
10 28 13 13-0209	EA		Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380) .....	98.38	23.58
10 28 13 13-0210	EA		Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390) .....	106.09	23.58

<b>10 28 13 13-0211</b>			<b>Shower Curtains/Curtain Rods</b> <small>(10 28 13 13-0001)</small>		
10 28 13 13-0212	EA		Stainless Steel Shower Curtain Hook (Bobrick B-204-1) .....	2.77	1.05
10 28 13 13-0213	EA		42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2)..... Note: Requires 7 curtain hooks.	43.21	10.48
10 28 13 13-0214	EA		70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3)..... Note: Requires 12 curtain hooks.	45.08	10.48
10 28 13 13-0215	EA		36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207) .....	78.20	23.58
10 28 13 13-0216	EA		48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207) .....	83.05	23.58
10 28 13 13-0217	EA		60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207) .....	88.99	23.58
10 28 13 13-0218	EA		72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207) .....	96.26	23.58
10 28 13 13-0219	EA		36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36) .....	69.84	23.58
10 28 13 13-0220	EA		48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48) .....	75.56	23.58
10 28 13 13-0221	EA		60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60) .....	78.87	23.58
10 28 13 13-0222	EA		72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72) .....	83.05	23.58
10 28 13 13-0223	EA		36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	72.26	23.58
10 28 13 13-0224	EA		48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	77.10	23.58
10 28 13 13-0225	EA		60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	82.82	23.58
10 28 13 13-0226	EA		72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	86.79	23.58

<b>10 28 13 13-0227</b>			<b>Hand Dryers</b> <small>(10 28 13 13-0001)</small>		
10 28 13 13-0228	EA		Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710).....	419.34	24.12
10 28 13 13-0229	EA		Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V) .....	451.69	24.12
10 28 13 13-0230	EA		Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V).....	500.57	24.12
10 28 13 13-0231	EA		Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230).....	709.25	24.12
10 28 13 13-0232	EA		Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A) .....	1,231.47	24.12
10 28 13 13-0233	EA		Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A) .....	1,391.14	24.12
10 28 13 13-0234	EA		Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60) .....	1,520.92	24.12
10 28 13 13-0235	EA		Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T).....	1,582.88	24.12
10 28 13 13-0236	EA		Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR).....	1,648.98	24.12
10 28 13 13-0237	EA		Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR).....	1,603.00	24.12
10 28 13 13-0238	EA		Surface Mounted, Automatic Sensor, 22 Gauge Steel Cover Hand Dryer (Bobrick B-7120) .....	376.43	24.12
10 28 13 13-0239	EA		Surface Mounted, Automatic Sensor, 18 Gauge Stainless Steel Cover Hand Dryer (Bobrick B-7128-115V) .....	431.74	24.12
10 28 13 13-0240	EA		Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer RA).....	1,176.80	24.12
10 28 13 13-0241	EA		Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer XRA).....	1,264.82	24.12
10 28 13 13-0242	EA		Recessed Mounted, Automatic Sensor, Stainless Steel Cover Hand/Hair Dryer (World Dryer DXRA).....	1,496.61	24.12
10 28 13 13-0243	EA		Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12) .....	1,223.17	24.12
10 28 13 13-0244	EA		Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14) .....	2,048.56	24.12
10 28 13 13-0245	EA		Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9)..... Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	906.63	24.12
10 28 13 13-0246	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M)..... Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	956.65	24.12
10 28 13 13-0247	EA		Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG) .....	985.24	24.12
10 28 13 13-0248	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C)..... Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,013.82	24.12
10 28 13 13-0249	EA		Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS)..... Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,070.99	24.12
10 28 13 13-0250	EA		Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9) .....	735.13	24.12
			Note: Electronically adjustable sound and speed.		

## 10 Specialties

## 10 20 Interior Specialties

## 10 28 Toilet, Bath, and Laundry Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13	13-0251	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M).....	785.15	24.12
			Note: Electronically adjustable sound and speed.		
10 28 13	13-0252	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG).....	813.73	24.12
			Note: Electronically adjustable sound and speed.		
10 28 13	13-0253	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C).....	842.32	24.12
			Note: Electronically adjustable sound and speed.		
10 28 13	13-0254	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS).....	899.48	24.12
			Note: Electronically adjustable sound and speed.		
10 28 13	13-0255	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7).....	735.13	24.12
			Note: Electronically adjustable sound and speed.		
10 28 13	13-0256	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M).....	785.15	24.12
			Note: Electronically adjustable sound and speed.		
10 28 13	13-0257	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG).....	813.73	24.12
			Note: Electronically adjustable sound and speed.		
10 28 13	13-0258	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C).....	842.32	24.12
			Note: Electronically adjustable sound and speed.		
10 28 13	13-0259	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS).....	899.48	24.12
			Note: Electronically adjustable sound and speed.		
10 28 13	13-0260	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90).....	535.04	24.12
10 28 13	13-0261	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M).....	585.06	24.12
10 28 13	13-0262	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG).....	613.64	24.12
10 28 13	13-0263	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C).....	642.23	24.12
10 28 13	13-0264	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS).....	699.40	24.12
10 28 13	13-0265	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H).....	535.04	24.12
10 28 13	13-0266	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH).....	585.06	24.12
10 28 13	13-0267	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH).....	613.64	24.12
10 28 13	13-0268	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH).....	642.23	24.12
10 28 13	13-0269	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH).....	699.40	24.12
10 28 13	13-0270	EA	Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1).....	392.12	24.12
10 28 13	13-0271	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M).....	442.14	24.12
10 28 13	13-0272	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C).....	499.31	24.12
10 28 13	13-0273		<b>Hand Dryers (Excel XLERATOR®)</b> (10 28 13 13-0001)		
			Note: With or without noise reduction nozzle options.		
10 28 13	13-0274	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W).....	754.67	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13	13-0275	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH).....	1,057.68	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13	13-0276	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR).....	883.33	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13	13-0277	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH).....	1,101.27	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13	13-0278	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C).....	948.71	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13	13-0279	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH).....	1,166.65	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13	13-0280	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB).....	948.71	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13	13-0281	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH).....	1,166.65	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13	13-0282	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP).....	883.33	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13	13-0283	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH).....	1,101.27	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13	13-0284	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW).....	796.16	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13	13-0285	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-BWH).....	1,014.09	24.12
			For ADA-Compliant Recess Kit, Add	162.17	

<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Toilet, Bath, and Laundry Accessories</b>	<b>10 28</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0286	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO).....	754.67	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13 13-0287	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-WH-ECO).....	1,057.68	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13 13-0288	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO).....	883.33	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13 13-0289	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-GRH-ECO).....	1,101.27	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13 13-0290	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO).....	948.71	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13 13-0291	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-CH-ECO).....	1,166.65	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13 13-0292	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO).....	948.71	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13 13-0293	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SBH-ECO).....	1,166.65	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13 13-0294	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO).....	883.33	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13 13-0295	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SPH-ECO).....	1,101.27	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13 13-0296	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO).....	796.16	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
10 28 13 13-0297	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-BWH-ECO).....	1,014.09	24.12
			For ADA-Compliant Recess Kit, Add	162.17	
<b>10 28 13 13-0298</b>			<b>Additional Accessories</b> (10 28 13 13-0001)		
<b>10 28 13 13-0299</b>			<b>Hooks</b> (10 28 13 13-0298)		
10 28 13 13-0300	EA		Stainless Steel Clothes Hook And Bumper (Bobrick B-212).....	28.23	10.48
10 28 13 13-0301	EA		Single Stainless Steel Robe Hook (Bobrick B-233).....	33.07	10.48
10 28 13 13-0302	EA		Single Stainless Steel Robe Hook (Bobrick B-7671).....	28.67	10.48
10 28 13 13-0303	EA		Double Stainless Steel Robe Hook (Bobrick B-7672).....	30.83	10.48
10 28 13 13-0304	EA		Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727).....	48.92	10.48
10 28 13 13-0305	EA		Single Stainless Steel Robe Hook (Bobrick B-6717).....	44.51	10.48
<b>10 28 13 13-0306</b>			<b>Clotheslines</b> (10 28 13 13-0298)		
10 28 13 13-0307	EA		Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636).....	49.34	20.96
<b>10 28 13 13-0308</b>			<b>Towel Bars</b> (10 28 13 13-0298)		
10 28 13 13-0309	EA		18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18).....	61.13	23.58
10 28 13 13-0310	EA		24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24).....	61.30	23.58
10 28 13 13-0311	EA		18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18).....	67.76	23.58
10 28 13 13-0312	EA		24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24).....	68.37	23.58
10 28 13 13-0313	EA		18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	96.70	23.58
10 28 13 13-0314	EA		24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	100.44	23.58
10 28 13 13-0315	EA		18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	99.56	23.58
10 28 13 13-0316	EA		24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	102.64	23.58
10 28 13 13-0317	EA		18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	108.15	23.58
10 28 13 13-0318	EA		24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	111.43	23.58
10 28 13 13-0319	EA		18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	84.15	23.58
10 28 13 13-0320	EA		24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	87.01	23.58
<b>10 28 13 13-0321</b>			<b>Towel Bar With Shelf</b> (10 28 13 13-0298)		
10 28 13 13-0322	EA		24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676).....	180.36	23.58
<b>10 28 13 13-0323</b>			<b>Towel Pins</b> (10 28 13 13-0298)		
10 28 13 13-0324	EA		Stainless Steel Towel Pin (Bobrick B-677).....	47.38	10.48
<b>10 28 13 13-0325</b>			<b>Drinking Fountain Grab Bars</b> (10 28 13 13)		
<b>10 28 13 13-0326</b>			<b>1-1/4" Diameter, Stainless Steel Drinking Fountain Grab Bars</b> (10 28 13 13-0325)		
			Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.		
10 28 13 13-0327	EA		1-1/4" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars.....	369.51	69.19
10 28 13 13-0328	EA		1-1/4" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars.....	399.76	69.19
10 28 13 13-0329	EA		1-1/4" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars.....	455.73	69.19
10 28 13 13-0330	EA		1-1/4" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars.....	537.42	69.19

**10 Specialties****10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
10 28 13 13-0331		<b>1-1/2" Diameter, Stainless Steel Drinking Fountain Grab Bars</b> <small>(10 28 13 13-0325)</small>			
		Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.			
10 28 13 13-0332	EA	1-1/2" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars .....	383.12		69.19
10 28 13 13-0333	EA	1-1/2" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars .....	413.38		69.19
10 28 13 13-0334	EA	1-1/2" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars .....	472.37		69.19
10 28 13 13-0335	EA	1-1/2" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars .....	552.55		69.19
10 28 13 13-0336		<b>1-1/2" Diameter, Steel Drinking Fountain Grab Bars</b> <small>(10 28 13 13-0325)</small>			
		Note: Includes three wall and one floor concealed mounting with snap flange.			
10 28 13 13-0337	EA	1-1/2" Diameter, Steel Drinking Fountain Grab Bars, 42" High .....	316.87		69.19
10 28 13 13-0338		<b>Mirrors</b> <small>(10 28 13 13)</small>			
10 28 13 13-0339		<b>Stainless Steel Channel Frame Glass Mirrors</b> <small>(10 28 13 13-0338)</small>			
10 28 13 13-0340	EA	16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24).....	101.70		26.20
10 28 13 13-0341	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824) .....	113.65		26.20
10 28 13 13-0342	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830) .....	117.79		26.20
		<i>For Tempered Glass (B-1658), Add</i>	34.76		
10 28 13 13-0343	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836) .....	126.28		26.20
		<i>For Tempered Glass (B-1658), Add</i>	40.71		
10 28 13 13-0344	EA	24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430) .....	137.17		26.20
10 28 13 13-0345	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436) .....	141.75		26.20
		<i>For Tempered Glass (B-1658), Add</i>	51.53		
10 28 13 13-0346	EA	24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448) .....	171.80		26.20
10 28 13 13-0347	EA	24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460) .....	196.42		26.20
10 28 13 13-0348	EA	36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36).....	234.03		26.20
10 28 13 13-0349	EA	48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836) .....	291.16		26.20
10 28 13 13-0350	EA	60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36).....	325.87		26.20
10 28 13 13-0351		<b>Stainless Steel Channel Frame Glass Mirror/Shelf Combination</b> <small>(10 28 13 13-0338)</small>			
10 28 13 13-0352	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824).....	177.46		26.20
10 28 13 13-0353	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830).....	190.31		26.20
10 28 13 13-0354	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836).....	198.81		26.20
10 28 13 13-0355	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436).....	222.77		26.20
10 28 13 13-0356		<b>Stainless Steel Angle Frame Glass Mirrors</b> <small>(10 28 13 13-0338)</small>			
10 28 13 13-0357	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824) .....	159.36		26.20
10 28 13 13-0358	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830) .....	173.55		26.20
		<i>For Tempered Glass (B-2908), Add</i>	69.58		
10 28 13 13-0359	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836) .....	178.34		26.20
		<i>For Tempered Glass (B-2908), Add</i>	72.74		
10 28 13 13-0360	EA	24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430) .....	206.65		26.20
10 28 13 13-0361	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436) .....	207.74		26.20
		<i>For Tempered Glass (B-2908), Add</i>	92.14		
10 28 13 13-0362	EA	24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448) .....	273.30		26.20
10 28 13 13-0363	EA	24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460) .....	319.03		26.20
10 28 13 13-0364	EA	24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472) .....	361.73		26.20
10 28 13 13-0365	EA	36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36).....	245.46		26.20
10 28 13 13-0366	EA	48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36).....	296.36		26.20
10 28 13 13-0367	EA	72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36).....	446.91		26.20
10 28 13 13-0368		<b>Stainless Steel Angle Frame Glass Mirror/Shelf Combination</b> <small>(10 28 13 13-0338)</small>			
10 28 13 13-0369	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24) .....	164.33		26.20
10 28 13 13-0370	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830).....	311.41		26.20
10 28 13 13-0371	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836).....	325.79		26.20
10 28 13 13-0372	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436).....	361.73		26.20
10 28 13 13-0373		<b>Frameless Stainless Steel Mirrors</b> <small>(10 28 13 13-0338)</small>			
10 28 13 13-0374	EA	17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830).....	177.03		26.20
10 28 13 13-0375	EA	23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436).....	225.15		26.20
10 28 13 13-0376		<b>Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors</b> <small>(10 28 13 13-0338)</small>			
10 28 13 13-0377	EA	16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630) .....	236.05		26.20
10 28 13 13-0378	EA	18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830) .....	245.42		26.20
10 28 13 13-0379	EA	18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836) .....	294.43		26.20
10 28 13 13-0380	EA	24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436) .....	359.11		26.20
10 28 13 13-0381		<b>Medicine Cabinets</b> <small>(10 28 13 13)</small>			
10 28 13 13-0382		<b>Metal Medicine Cabinets</b> <small>(10 28 13 13-0381)</small>			
10 28 13 13-0383	EA	20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB).....	563.64		52.41

<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Toilet, Bath, and Laundry Accessories</b>	<b>10 28</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 28 13 13-0384	EA		15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397)..... Note: Includes three adjustable plastic shelves.	216.13	52.41
10 28 13 13-0385	EA		14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297) ..... Note: Includes two fixed shelves with baked white enamel finish.	222.39	52.41
10 28 13 13-0386	EA		15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398)..... Note: Includes four adjustable stainless steel shelves.	461.28	52.41
10 28 13 13-0387	EA		17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299) ..... Note: Includes four adjustable shelves.	625.31	52.41
<b>10 28 13 13-0388 Janitorial Material (10 28 13 13)</b>					
10 28 13 13-0389	EA		Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670).....	44.51	10.48
10 28 13 13-0390	EA		24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24) .....	114.53	23.58
10 28 13 13-0391	EA		24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24) .....	110.57	23.58
10 28 13 13-0392	EA		30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1) .....	124.52	23.58
10 28 13 13-0393	EA		36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36) .....	138.31	23.58
10 28 13 13-0394	EA		36" Length, Utility Hook Strip (Gamco HCS-2).....	95.09	23.58
10 28 13 13-0395	EA		36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36).....	249.72	23.58
10 28 13 13-0396	EA		34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34).....	356.06	23.58
<b>10 28 13 13-0397 Removal And Reinstallation Of Bathroom Accessories (10 28 13 13)</b>					
10 28 13 13-0398	EA		Removal And Reinstallation Of Bathroom Accessory .....	32.76	
<b>10 28 13 19 Healthcare Toilet Accessories (10 28 13)</b>					
<b>10 28 13 19-0001 Healthcare Toilet Accessories (10 28 13 19)</b>					
10 28 13 19-0002	EA		Surface Mounted, Stainless Steel Bedpan/Urinal Holder (Bradley BR-9905) .....	161.61	32.81
10 28 13 19-0003	EA		Recessed Mounted, Stainless Steel Bedpan Storage Cabinet (Bradley BR-990).....	569.60	32.81
10 28 13 19-0004	EA		Stainless Steel Foot Operated Soap Dispenser (Bradley BR-6843) .....	212.23	87.32
<b>10 28 16 Bath Accessories (10 28)</b>					
<b>10 28 16 13 Residential Bath Accessories (10 28 16)</b>					
<b>10 28 16 13-0001 Residential Toilet Accessories (10 28 16 13)</b>					
<b>10 28 16 13-0002 Residential Shower Curtain Rod (10 28 16 13-0001)</b>					
Note: Includes end brackets. See CSI section 10 28 13 13-0211 for shower curtain rods.					
<b>10 28 16 13-0003 Residential, Recessed, Chrome Plated Toilet Accessories (10 28 16 13-0001)</b>					
10 28 16 13-0004	EA		Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder .....	99.59	23.58
10 28 16 13-0005	EA		Recessed Mounted, Chrome Plated Soap Dish.....	140.23	23.58
10 28 16 13-0006	EA		Recessed Mounted, Chrome Plated Soap Dish And Bar .....	148.49	23.58
10 28 16 13-0007	EA		Recessed Mounted, Chrome Plated Tumbler Holder.....	103.09	23.58
<b>10 28 16 13-0008 Residential, Surface Mounted, Chrome Plated Toilet Accessories (10 28 16 13-0001)</b>					
10 28 16 13-0009	EA		Surface Mounted, Chrome Plated Soap Dish .....	64.46	15.73
10 28 16 13-0010	EA		Surface Mounted, Chrome Plated Single Clothes Hook.....	73.67	15.73
10 28 16 13-0011	EA		Surface Mounted, Chrome Plated Double Clothes Hook .....	73.67	15.73
10 28 16 13-0012	LF		6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports .....	145.48	15.73
10 28 16 13-0013	LF		6" Deep, Surface Mounted, Stainless Steel Shelf .....	122.31	15.73
10 28 16 13-0014	EA		18" Length, Surface Mounted, Chrome Plated Towel Bar.....	83.20	20.96
10 28 16 13-0015	EA		24" Length, Surface Mounted, Chrome Plated Towel Bar.....	84.23	20.96
10 28 16 13-0016	EA		Surface Mounted, Chrome Plated Towel Ring.....	62.18	15.73
10 28 16 13-0017	EA		Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder.....	53.97	10.48
10 28 16 13-0018	EA		Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder .....	64.46	15.73
10 28 16 13-0019	EA		Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder .....	126.21	15.73
10 28 16 13-0020	EA		Surface Mounted, Chrome Plated Globe Soap Dispenser .....	76.85	15.73
10 28 16 13-0021	EA		Surface Mounted, Chrome Plated Towel Pin .....	81.02	10.48
10 28 16 13-0022	EA		Surface Mounted, Chrome Plated Towel Ladder And Shelf.....	242.39	15.73
10 28 16 13-0023	EA		Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline .....	117.78	15.73
10 28 16 13-0024	EA		24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar .....	74.21	15.73
<b>10 28 16 13-0025 Residential Medicine Cabinets, Solid Oak (10 28 16 13-0001)</b>					
Note: Surface or recessed mounted, premium quality.					
10 28 16 13-0026	EA		24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror .....	685.82	52.41
10 28 16 13-0027	EA		24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror .....	828.83	52.41
10 28 16 13-0028	EA		30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror .....	731.17	52.41
10 28 16 13-0029	EA		30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror .....	890.69	52.41
10 28 16 13-0030	EA		36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror .....	759.77	52.41
10 28 16 13-0031	EA		36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror .....	945.05	52.41
10 28 16 13-0032	EA		48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror .....	799.05	52.41
10 28 16 13-0033	EA		48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror .....	1,011.47	52.41
<b>10 28 16 13-0034 Residential Toilet Accessories (10 28 16 13-0001)</b>					
10 28 16 13-0035	EA		Surface Mounted Plastic Paper Towel Dispenser .....	74.84	23.58
10 28 16 13-0036	EA		Surface Mounted Plastic Napkin Disposal .....	68.73	23.58
10 28 16 13-0037	EA		50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent .....	70.89	

**10 Specialties****10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

10 28 16 13-0038	EA	50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps.....	77.36	23.58
10 28 16 13-0039	EA	Multi Roll (2) Plastic Toilet Tissue Dispenser.....	74.86	23.58
10 28 16 13-0040	EA	Single Jumbo Roll Plastic Toilet Tissue Dispenser.....	91.67	28.83
10 28 16 13-0041	EA	Surface Mounted Plastic Toilet Seat Cover Dispenser.....	55.61	20.96
10 28 16 13-0042	EA	13 Gallon Plastic Waste Door For Countertops.....	161.30	39.31

**10 28 19 Tub and Shower Enclosures (10 28)****10 28 19 16 Shower Doors (10 28 19)****10 28 19 16-0001 Swinging Shower Doors (10 28 19 16)****10 28 19 16-0002 Framed, Swinging Shower Doors (10 28 19 16-0001)**

10 28 19 16-0003	EA	24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801).....	391.32	50.88
10 28 19 16-0004	EA	27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802).....	410.28	25.44
10 28 19 16-0005	EA	29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803).....	488.97	25.44
10 28 19 16-0006	EA	33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804).....	408.27	25.44
10 28 19 16-0007	EA	35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805).....	435.14	25.44

**10 28 19 16-0008 Frameless, Swinging Shower Doors (10 28 19 16-0001)**

10 28 19 16-0009	EA	24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D).....	593.71	25.44
10 28 19 16-0010	EA	31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D).....	620.01	25.44
10 28 19 16-0011	EA	32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D).....	644.76	25.44
10 28 19 16-0012	EA	34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D).....	671.06	25.44
10 28 19 16-0013	EA	35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D).....	696.59	25.44

**10 28 19 16-0014 Sliding Shower Doors (10 28 19 16)****10 28 19 16-0015 Framed, Sliding Shower Doors (10 28 19 16-0014)**

10 28 19 16-0016	EA	40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735).....	650.53	25.44
10 28 19 16-0017	EA	44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745).....	597.30	25.44
10 28 19 16-0018	EA	46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775).....	611.64	25.44
10 28 19 16-0019	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729).....	626.88	25.44
10 28 19 16-0020	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794).....	635.39	25.44
10 28 19 16-0021	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795).....	647.98	25.44

**10 28 19 16-0022 Frameless, Sliding Shower Doors (10 28 19 16-0014)**

10 28 19 16-0023	EA	40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335).....	673.83	25.44
10 28 19 16-0024	EA	44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345).....	818.62	25.44
10 28 19 16-0025	EA	56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394).....	867.35	25.44
10 28 19 16-0026	EA	40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330).....	784.68	25.44
10 28 19 16-0027	EA	44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370).....	795.35	25.44
10 28 19 16-0028	EA	56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390).....	894.52	25.44

**10 28 19 19 Tub Doors (10 28 19)****10 28 19 19-0001 Sliding Bathtub Doors (10 28 19 19)****10 28 19 19-0002 Framed, Sliding Bathtub Doors (10 28 19 19-0001)**

10 28 19 19-0003	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725).....	581.30	25.44
10 28 19 19-0004	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749).....	587.43	25.44
10 28 19 19-0005	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750).....	601.30	25.44

**10 40 Safety Specialties (10)****10 41 Emergency Access And Information Cabinets (10 40)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**10 41 13 Fire Department Plan Cabinets (10 41)**

**10 41 13 00-0001 Fire Department Plan Cabinets (Knox) (10 41 13)**

10 41 13 00-0002	EA	18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....		1,194.61	34.06
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>		40.00	
		<i>For Dual Locks, Add</i>		60.00	
		<i>For Back Key Hook Panel, Add</i>		58.90	
		<i>For Swing Key Hook Panel, Add</i>		157.90	
		<i>For Non-Locking Weather Housing, Add</i>		396.71	
10 41 13 00-0003	EA	18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....		1,265.81	34.06
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>		40.00	
		<i>For Dual Locks, Add</i>		60.00	
		<i>For Back Key Hook Panel, Add</i>		58.90	
		<i>For Swing Key Hook Panel, Add</i>		157.90	
		<i>For Second Swing Key Hook Panel, Add</i>		124.90	
		<i>For Non-Locking Weather Housing, Add</i>		396.71	

**10 41 16 Emergency Key Cabinets (10 41)**

**10 41 16 00-0001 Emergency Key Cabinets (Knox) (10 41 16)**

10 41 16 00-0002	EA	Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403).....		603.68	34.06
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>		40.00	
10 41 16 00-0003	EA	5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200).....		532.49	34.06
		<i>For Lift-Off Door, Deduct</i>		-40.00	
		<i>For Aluminum Or Dark Bronze Finish, Add</i>		10.00	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>		40.00	
		<i>For Recess Mount, Add</i>		59.52	
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>		119.00	
10 41 16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100).....		706.92	34.06
		<i>For Aluminum Or Dark Bronze Finish, Add</i>		10.00	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>		40.00	
		<i>For Recess Mount, Add</i>		59.52	
		<i>For Dual Locks, Add</i>		60.00	
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>		130.00	
10 41 16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400).....		751.42	34.06
		<i>For Aluminum Or Dark Bronze Finish, Add</i>		10.00	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>		40.00	
		<i>For Recess Mount, Add</i>		59.52	
		<i>For Dual Locks, Add</i>		60.00	
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>		135.00	

**10 44 Fire Protection Specialties (10 40)**

**10 44 13 Fire Protection Cabinets (10 44)**

**10 44 13 00-0001 Fire Extinguisher Cabinets (10 44 13)**

**10 44 13 00-0002 Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)**

**10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)**

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....		345.92	42.98
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....		351.97	42.98
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....		353.18	42.98
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....		390.65	42.98
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....		488.55	42.98
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....		501.85	42.98

**10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)**

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....		341.80	42.98
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....		347.02	42.98
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....		355.72	42.98
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....		370.51	42.98
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....		416.20	42.98
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....		430.12	42.98

**10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)**

Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....		454.63	42.98
10 44 13 00-0019	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....		465.42	42.98
10 44 13 00-0020	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....		470.82	42.98
10 44 13 00-0021	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....		507.72	42.98
10 44 13 00-0022	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....		582.00	42.98
10 44 13 00-0023	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....		604.50	42.98

**10 44 13 00-0024 Bronze Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)**

Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.

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**10 Specialties****10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
10 44 13 00-0025	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	908.62		42.98
10 44 13 00-0026	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	914.68		42.98
10 44 13 00-0027	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,038.16		42.98
<b>10 44 13 00-0028</b>		<b>Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets</b>			
		<small>(10 44 13 00-0028)</small> Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.			
10 44 13 00-0029	EA	10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	424.49		42.98
10 44 13 00-0030	EA	14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	470.42		42.98
<b>10 44 13 00-0031</b>		<b>Semi Recessed Fire Extinguisher Cabinets</b>			
<b>10 44 13 00-0032</b>		<b>Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets</b>			
		<small>(10 44 13 00-0032)</small> Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.			
10 44 13 00-0033	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	378.56		42.98
10 44 13 00-0034	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	390.65		42.98
10 44 13 00-0035	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	391.85		42.98
10 44 13 00-0036	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	432.95		42.98
10 44 13 00-0037	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	515.14		42.98
10 44 13 00-0038	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	528.44		42.98
<b>10 44 13 00-0039</b>		<b>Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets</b>			
		<small>(10 44 13 00-0039)</small> Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.			
10 44 13 00-0040	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	380.54		42.98
10 44 13 00-0041	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	393.59		42.98
10 44 13 00-0042	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	401.42		42.98
10 44 13 00-0043	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	416.20		42.98
10 44 13 00-0044	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	467.51		42.98
10 44 13 00-0045	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	479.69		42.98
<b>10 44 13 00-0046</b>		<b>Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets</b>			
		<small>(10 44 13 00-0046)</small> Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.			
10 44 13 00-0047	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	501.92		42.98
10 44 13 00-0048	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	514.51		42.98
10 44 13 00-0049	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	519.91		42.98
10 44 13 00-0050	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	547.81		42.98
10 44 13 00-0051	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	617.10		42.98
10 44 13 00-0052	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	632.39		42.98
<b>10 44 13 00-0053</b>		<b>Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets</b>			
		<small>(10 44 13 00-0053)</small> Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.			
10 44 13 00-0054	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,124.13		42.98
10 44 13 00-0055	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,129.21		42.98
10 44 13 00-0056	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,282.59		42.98
<b>10 44 13 00-0057</b>		<b>Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets</b>			
		<small>(10 44 13 00-0057)</small> Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.			
10 44 13 00-0058	EA	10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	468.00		42.98
10 44 13 00-0059	EA	14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	511.52		42.98
<b>10 44 13 00-0060</b>		<b>Surface Mounted Fire Extinguisher Cabinets</b>			
<b>10 44 13 00-0061</b>		<b>Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets</b>			
		<small>(10 44 13 00-0061)</small> Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.			
10 44 13 00-0062	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	368.89		42.98
10 44 13 00-0063	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	376.14		42.98
10 44 13 00-0064	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	434.16		42.98
10 44 13 00-0065	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	505.47		42.98
10 44 13 00-0066	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	524.81		42.98
<b>10 44 13 00-0067</b>		<b>Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets</b>			
		<small>(10 44 13 00-0067)</small> Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.			
10 44 13 00-0068	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	463.17		42.98
10 44 13 00-0069	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	474.47		42.98
10 44 13 00-0070	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	499.69		42.98
10 44 13 00-0071	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	549.27		42.98
10 44 13 00-0072	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	570.14		42.98
<b>10 44 13 00-0073</b>		<b>Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets</b>			
		<small>(10 44 13 00-0073)</small> Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.			
10 44 13 00-0074	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	580.20		42.98
10 44 13 00-0075	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	597.30		42.98
10 44 13 00-0076	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	639.59		42.98
10 44 13 00-0077	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	721.48		42.98



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44	13 00-0078	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	746.67	42.98
<b>10 44</b>	<b>13 00-0079</b>		<b>Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0060)</small> Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44	13 00-0080	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	1,277.81	42.98
10 44	13 00-0081	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	1,430.02	42.98
<b>10 44</b>	<b>13 00-0082</b>		<b>Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0060)</small> Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44	13 00-0083	EA	13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	441.41	42.98
10 44	13 00-0084	EA	17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	494.59	42.98
10 44	13 00-0085	EA	31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	680.74	42.98
<b>10 44</b>	<b>13 00-0086</b>		<b>Fire Extinguisher Cabinet Accessories</b> <small>(10 44 13 00-0001)</small>		
10 44	13 00-0087	EA	Standard Break Glass Cylinder Lock Mechanism.....	35.48	13.10
10 44	13 00-0088	EA	Breaker Bar And Chain For Break Glass Cabinets.....	32.24	13.10
10 44	13 00-0089	EA	Replacement Of Standard Pull Handle.....	30.26	
10 44	13 00-0090	EA	Fire Extinguisher Cabinet Battery Operated Alarm.....	94.17	26.20
10 44	13 00-0091	EA	Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	159.30	
10 44	13 00-0092	EA	Fire Rated Option For 12" x 27" x 7-3/4" Cabinets.....	175.23	
10 44	13 00-0093	EA	Fire Rated Option For 16" x 32" x 7-3/4" Cabinets.....	238.95	
10 44	13 00-0094	EA	Fire Rated Option For 20" x 27" x 7-3/4" Cabinets.....	326.56	
10 44	13 00-0095	EA	Fire Rated Option For 9" x 18" x 5-1/2" Cabinets.....	382.32	
10 44	13 00-0096	EA	Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets.....	92.39	
10 44	13 00-0097	EA	Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	95.58	
10 44	13 00-0098	EA	Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets.....	127.44	
10 44	13 00-0099	EA	Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets.....	230.98	
10 44	13 00-0100	EA	Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets.....	234.17	
10 44	13 00-0101	EA	Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets.....	101.43	
10 44	13 00-0102	EA	Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets.....	106.50	
10 44	13 00-0103	EA	Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets.....	143.69	
10 44	13 00-0104	EA	Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets.....	253.58	
10 44	13 00-0105	EA	Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets.....	256.96	
<b>10 44</b>	<b>13 00-0106</b>		<b>Fire Hose Cabinets</b> <small>(10 44 13)</small> Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		
<b>10 44</b>	<b>13 00-0107</b>		<b>Recessed Fire Hose Cabinets</b> <small>(10 44 13 00-0106)</small>		
<b>10 44</b>	<b>13 00-0108</b>		<b>Steel Door And Trim, Recessed Fire Hose Cabinets</b> <small>(10 44 13 00-0107)</small> Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44	13 00-0109	EA	34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	588.25	124.68
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44	13 00-0110	EA	34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	599.67	124.68
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44	13 00-0111	EA	38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	609.20	124.68
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44	13 00-0112	EA	38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	618.72	124.68
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44	13 00-0113	EA	30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	630.15	124.68
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44	13 00-0114	EA	38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	660.60	124.68
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44	13 00-0115	EA	23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	670.13	124.68
			<i>For Solid Steel Door, Deduct</i>	-8.60	
<b>10 44</b>	<b>13 00-0116</b>		<b>Aluminum Door And Trim, Recessed Fire Hose Cabinets</b> <small>(10 44 13 00-0107)</small> Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44	13 00-0117	EA	34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	647.48	124.68
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44	13 00-0118	EA	30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	666.19	124.68
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44	13 00-0119	EA	34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	668.62	124.68
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44	13 00-0120	EA	38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	676.40	124.68
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44	13 00-0121	EA	38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	686.61	124.68
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44	13 00-0122	EA	38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	715.53	124.68
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44	13 00-0123	EA	23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	744.45	124.68
			<i>For Solid Aluminum Door, Add</i>	6.50	

**10 Specialties****10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
10 44 13 00-0124		<b>Stainless Steel Door And Trim, Recessed Fire Hose Cabinets</b> (10 44 13 00-0107)			
		Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.			
10 44 13 00-0125	EA	23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet .....	815.90		124.68
		For Solid Stainless Steel Door, Deduct .....	-7.70		
10 44 13 00-0126	EA	34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet .....	904.37		124.68
		For Solid Stainless Steel Door, Deduct .....	-7.70		
10 44 13 00-0127	EA	34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet .....	912.88		124.68
		For Solid Stainless Steel Door, Deduct .....	-7.70		
10 44 13 00-0128	EA	38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet .....	940.10		124.68
		For Solid Stainless Steel Door, Deduct .....	-7.70		
10 44 13 00-0129	EA	38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet .....	948.61		124.68
		For Solid Stainless Steel Door, Deduct .....	-7.70		
10 44 13 00-0130	EA	30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet .....	992.84		124.68
		For Solid Stainless Steel Door, Deduct .....	-7.70		
10 44 13 00-0131	EA	38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet .....	1,037.07		124.68
		For Solid Stainless Steel Door, Deduct .....	-7.70		
10 44 13 00-0132		<b>Semi Recessed Fire Hose Cabinets</b> (10 44 13 00-0106)			
10 44 13 00-0133		<b>Steel Door And Trim, Semi Recessed Fire Hose Cabinets</b> (10 44 13 00-0132)			
		Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.			
10 44 13 00-0134	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet .....	618.72		124.68
		For Solid Steel Door, Deduct .....	-8.60		
10 44 13 00-0135	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet .....	630.15		124.68
		For Solid Steel Door, Deduct .....	-8.60		
10 44 13 00-0136	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet .....	639.65		124.68
		For Solid Steel Door, Deduct .....	-8.60		
10 44 13 00-0137	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet .....	651.07		124.68
		For Solid Steel Door, Deduct .....	-8.60		
10 44 13 00-0138	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet .....	660.60		124.68
		For Solid Steel Door, Deduct .....	-8.60		
10 44 13 00-0139	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet .....	691.05		124.68
		For Solid Steel Door, Deduct .....	-8.60		
10 44 13 00-0140	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet .....	702.48		124.68
		For Solid Steel Door, Deduct .....	-8.60		
10 44 13 00-0141		<b>Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets</b> (10 44 13 00-0132)			
		Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.			
10 44 13 00-0142	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet .....	666.19		124.68
		For Solid Aluminum Door, Add .....	6.50		
10 44 13 00-0143	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet .....	686.61		124.68
		For Solid Aluminum Door, Add .....	6.50		
10 44 13 00-0144	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet .....	689.52		124.68
		For Solid Aluminum Door, Add .....	6.50		
10 44 13 00-0145	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet .....	695.11		124.68
		For Solid Aluminum Door, Add .....	6.50		
10 44 13 00-0146	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet .....	705.32		124.68
		For Solid Aluminum Door, Add .....	6.50		
10 44 13 00-0147	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet .....	734.24		124.68
		For Solid Aluminum Door, Add .....	6.50		
10 44 13 00-0148	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet .....	763.16		124.68
		For Solid Aluminum Door, Add .....	6.50		
10 44 13 00-0149		<b>Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets</b> (10 44 13 00-0132)			
		Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.			
10 44 13 00-0150	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet .....	868.64		124.68
		For Solid Stainless Steel Door, Deduct .....	-7.70		
10 44 13 00-0151	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet .....	965.62		124.68
		For Solid Stainless Steel Door, Deduct .....	-7.70		
10 44 13 00-0152	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet .....	974.13		124.68
		For Solid Stainless Steel Door, Deduct .....	-7.70		
10 44 13 00-0153	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet .....	1,001.35		124.68
		For Solid Stainless Steel Door, Deduct .....	-7.70		
10 44 13 00-0154	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet .....	1,009.85		124.68
		For Solid Stainless Steel Door, Deduct .....	-7.70		
10 44 13 00-0155	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet .....	1,054.09		124.68
		For Solid Stainless Steel Door, Deduct .....	-7.70		
10 44 13 00-0156	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet .....	1,098.32		124.68
		For Solid Stainless Steel Door, Deduct .....	-7.70		
10 44 13 00-0157		<b>Surface Mount Fire Hose Cabinets</b> (10 44 13 00-0106)			
10 44 13 00-0158		<b>Steel Door And Trim, Surface Mount Fire Hose Cabinets</b> (10 44 13 00-0157)			
		Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.			
10 44 13 00-0159	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet .....	630.15		124.68
		For Solid Steel Door, Deduct .....	-8.60		
10 44 13 00-0160	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet .....	639.65		124.68
		For Solid Steel Door, Deduct .....	-8.60		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0161	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	651.07 -8.60	124.68
10 44 13 00-0162	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	660.60 -8.60	124.68
10 44 13 00-0163	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	670.13 -8.60	124.68
10 44 13 00-0164	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	702.48 -8.60	124.68
10 44 13 00-0165	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	712.00 -8.60	124.68
<b>10 44 13 00-0166</b>			<b>Aluminum Door And Trim, Surface Mount Fire Hose Cabinets</b> (10 44 13 00-0157) Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0167	EA		37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	715.53 6.50	124.68
10 44 13 00-0168	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	734.24 6.50	124.68
10 44 13 00-0169	EA		37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	739.10 6.50	124.68
10 44 13 00-0170	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	744.45 6.50	124.68
10 44 13 00-0171	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	752.96 6.50	124.68
10 44 13 00-0172	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	783.58 6.50	124.68
10 44 13 00-0173	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	802.29 6.50	124.68
<b>10 44 13 00-0174</b>			<b>Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets</b> (10 44 13 00-0157) Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0175	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	940.10 -7.70	124.68
10 44 13 00-0176	EA		37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,222.52 -7.70	124.68
10 44 13 00-0177	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,293.97 -7.70	124.68
10 44 13 00-0178	EA		37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,310.98 -7.70	124.68
10 44 13 00-0179	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,328.00 -7.70	124.68
10 44 13 00-0180	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,399.45 -7.70	124.68
10 44 13 00-0181	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,487.92 -7.70	124.68
<b>10 44 16</b>			<b>Fire Extinguishers</b> (10 44)		
<b>10 44 16 13</b>			<b>Portable Fire Extinguishers</b> (10 44 16) Note: Includes filling, certification, bracket, hardware and mounting on wall.		
<b>10 44 16 13-0001</b>			<b>Carbon Dioxide Type, Class BC Portable Fire Extinguisher</b> (10 44 16 13)		
10 44 16 13-0002	EA		2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	241.94 -8.60 -17.21 -34.94	13.62
10 44 16 13-0003	EA		5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	365.00 -14.22 -28.44 -40.32	15.73
10 44 16 13-0004	EA		10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	474.80 -18.50 -37.00 -52.41	19.92
10 44 16 13-0005	EA		15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	583.52 -22.63 -45.25 -65.51	25.15
10 44 16 13-0006	EA		20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	649.28 -25.91 -51.83 -65.51	25.15
10 44 16 13-0007	EA		50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i>	2,225.95 -100.82 -201.63	39.83
10 44 16 13-0008	EA		100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i>	4,350.02 -207.02 -414.04	39.83
<b>10 44 16 13-0009</b>			<b>Dry Chemical Type, Class ABC Portable Fire Extinguisher</b> (10 44 16 13)		
10 44 16 13-0010	EA		2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	134.47 -3.23 -6.46 -34.94	13.62

**10 Specialties****10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0011	EA		5 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	173.68	15.73
			<i>For &gt;5 To 10, Deduct</i>	-4.65	
			<i>For &gt;10, Deduct</i>	-9.30	
			<i>For Placement In Cabinet, Deduct</i>	-40.32	
10 44 16 13-0012	EA		10 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	250.65	19.92
			<i>For &gt;5 To 10, Deduct</i>	-7.29	
			<i>For &gt;10, Deduct</i>	-14.58	
			<i>For Placement In Cabinet, Deduct</i>	-52.41	
10 44 16 13-0013	EA		20 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	360.53	25.15
			<i>For &gt;5 To 10, Deduct</i>	-11.48	
			<i>For &gt;10, Deduct</i>	-22.95	
			<i>For Placement In Cabinet, Deduct</i>	-65.51	
10 44 16 13-0014	EA		50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	2,619.07	39.83
			<i>For &gt;5 To 10, Deduct</i>	-120.47	
			<i>For &gt;10, Deduct</i>	-240.94	
10 44 16 13-0015	EA		125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	3,990.15	39.83
			<i>For &gt;5 To 10, Deduct</i>	-189.03	
			<i>For &gt;10, Deduct</i>	-378.05	
10 44 16 13-0016	EA		5 LB Dry Chemical Extinguisher, Red Steel, 2A:10B:C.....	192.83	15.73
			<i>For &gt;5 To 10, Deduct</i>	-5.61	
			<i>For &gt;10, Deduct</i>	-11.22	
10 44 16 13-0017	EA		10 LB Dry Chemical Extinguisher, Red Steel, 2A:20B:C.....	280.59	19.92
			<i>For &gt;5 To 10, Deduct</i>	-8.79	
			<i>For &gt;10, Deduct</i>	-17.58	
<b>10 44 16 13-0018</b>			<b>Dry Chemical Type, Class BC Portable Fire Extinguisher (10 44 16 13)</b>		
10 44 16 13-0019	EA		5 LB Dry Chemical Extinguisher, Red Steel, 40B:C.....	210.75	34.94
<b>10 44 16 13-0020</b>			<b>Other Portable Fire Extinguishers (10 44 16 13)</b>		
10 44 16 13-0021	EA		2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher.....	271.47	15.73
			Note: Stainless steel.		
			<i>For &gt;5 To 10, Deduct</i>	-9.54	
			<i>For &gt;10, Deduct</i>	-19.08	
			<i>For Placement In Cabinet, Deduct</i>	-40.32	
10 44 16 13-0022	EA		1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	406.44	25.15
			Note: Stainless steel.		
			<i>For &gt;5 To 10, Deduct</i>	-13.77	
			<i>For &gt;10, Deduct</i>	-27.54	
			<i>For Placement In Cabinet, Deduct</i>	-65.51	
10 44 16 13-0023	EA		2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	427.60	25.15
			Note: Stainless steel.		
			<i>For &gt;5 To 10, Deduct</i>	-14.83	
			<i>For &gt;10, Deduct</i>	-29.66	
			<i>For Placement In Cabinet, Deduct</i>	-65.51	
10 44 16 13-0024	EA		30 LB Dry Powder, Class D Portable Fire Extinguisher.....	643.71	25.15
			Note: Yellow steel.		
			<i>For &gt;5 To 10, Deduct</i>	-25.63	
			<i>For &gt;10, Deduct</i>	-51.27	
10 44 16 13-0025	EA		5 LB Halotron 1 Fire Extinguisher, 5B:C.....	577.22	34.94
			<i>For &gt;5 To 10, Deduct</i>	-25.37	
			<i>For &gt;10, Deduct</i>	-50.73	
<b>10 44 16 13-0026</b>			<b>Fire Extinguisher Backboards (10 44 16 13)</b>		
<b>10 44 16 13-0027</b>			<b>Fire Extinguisher Backboards (10 44 16 13-0026)</b>		
			Note: Mounted to any wall. Includes anchors.		
10 44 16 13-0028	EA		Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard.....	159.41	17.96
10 44 16 13-0029	EA		Relocate Fire Extinguisher Wood Backboard, Any Size.....	158.47	
			Note: Includes storage and cleaning.		
<b>10 44 16 13-0030</b>			<b>Inspections And Testing (10 44 16 13)</b>		
10 44 16 13-0031	EA		On Site Fire Extinguisher Annual Inspection (Tag).....	13.36	
10 44 16 13-0032	EA		On Site Fire Extinguisher Hydrotest.....	19.64	
<b>10 44 19</b>			<b>Fire Blankets (10 44)</b>		
10 44 19 00-0001	EA		Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB).....	435.23	42.98
			Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		
10 44 19 00-0002	EA		Drop Type Fire Blanket Cabinet (JL Industries 2FB).....	320.41	42.98
			Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		
<b>10 45</b>			<b>Photoluminescent Exit Specialties (10 45)</b>		
<b>10 45 00 00-0001</b>			<b>Photoluminescent Illuminated Egress Markings (10 45)</b>		
10 45 00 00-0002	LF		1" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors.....	6.88	
			Note: Peel and stick.		
			<i>For Wall Applied, Add</i>	0.75	
10 45 00 00-0003	LF		1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors.....	7.26	
			Note: Peel and stick.		
			<i>For Wall Applied, Add</i>	0.75	
10 45 00 00-0004	LF		2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors.....	7.64	
			Note: Peel and stick.		
			<i>For Wall Applied, Add</i>	0.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 45 00 00-0005	LF		1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors.....	7.26	
			Note: Peel and stick.		
			For Wall Applied, Add	0.75	
10 45 00 00-0006	LF		2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors.....	8.02	
			Note: Peel and stick.		
			For Wall Applied, Add	0.75	
10 45 00 00-0007	LF		1-1/2" Wide Egress Photoluminescent Danger Warning Marking Tape With Stripes Applied To Floors.....	8.49	
			Note: Peel and stick.		
			For Wall Applied, Add	0.75	
10 45 00 00-0008	EA		1" Wide x 48" Long Photoluminescent Strip Exit Path Marking Applied To Floors.....	36.91	
			Note: Self adhesive, high bond foam backing.		
10 45 00 00-0009	EA		1" Wide x 30" Long Aluminum Stair Nosing With Photoluminescent Strip .....	36.32	
			Note: Self adhesive, high bond foam backing.		

10 50 Storage Specialties (10)

10 51 Lockers (10 50)

10 51 13 Metal Lockers (10 51)

10 51 13 00-0001 Institutional And Corridor Lockers (10 51 13)

Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.

10 51 13 00-0002 Single Tier Institutional Or Corridor Locker (10 51 13 00-0001)

Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0003	EA		12" x 12" x 48" Single Tier Institutional Or Corridor Locker .....	241.40	32.49
			For >25 To 50, Deduct	-8.82	
			For >50 To 100, Deduct	-18.62	
			For >100, Deduct	-28.41	
			For 14 Gauge Doors, Add	14.11	
10 51 13 00-0004	EA		12" x 15" x 48" Single Tier Institutional Or Corridor Locker .....	248.39	32.49
			For >25 To 50, Deduct	-9.17	
			For >50 To 100, Deduct	-19.31	
			For >100, Deduct	-29.46	
			For 14 Gauge Doors, Add	14.67	
10 51 13 00-0005	EA		12" x 18" x 48" Single Tier Institutional Or Corridor Locker .....	255.36	32.49
			For >25 To 50, Deduct	-9.52	
			For >50 To 100, Deduct	-20.01	
			For >100, Deduct	-30.51	
			For 14 Gauge Doors, Add	15.23	
10 51 13 00-0006	EA		12" x 12" x 60" Single Tier Institutional Or Corridor Locker .....	228.63	32.49
			For >25 To 50, Deduct	-8.18	
			For >50 To 100, Deduct	-17.34	
			For >100, Deduct	-26.50	
			For 14 Gauge Doors, Add	13.09	
10 51 13 00-0007	EA		12" x 15" x 60" Single Tier Institutional Or Corridor Locker .....	237.30	32.49
			For >25 To 50, Deduct	-8.62	
			For >50 To 100, Deduct	-18.21	
			For >100, Deduct	-27.80	
			For 14 Gauge Doors, Add	13.78	
10 51 13 00-0008	EA		12" x 18" x 60" Single Tier Institutional Or Corridor Locker .....	249.16	32.49
			For >25 To 50, Deduct	-9.21	
			For >50 To 100, Deduct	-19.39	
			For >100, Deduct	-29.58	
			For 14 Gauge Doors, Add	14.73	
10 51 13 00-0009	EA		12" x 12" x 72" Single Tier Institutional Or Corridor Locker .....	248.72	33.54
			For >25 To 50, Deduct	-9.08	
			For >50 To 100, Deduct	-19.17	
			For >100, Deduct	-29.26	
			For 14 Gauge Doors, Add	14.53	
10 51 13 00-0010	EA		12" x 15" x 72" Single Tier Institutional Or Corridor Locker .....	255.90	33.54
			For >25 To 50, Deduct	-9.44	
			For >50 To 100, Deduct	-19.89	
			For >100, Deduct	-30.34	
			For 14 Gauge Doors, Add	15.11	
10 51 13 00-0011	EA		12" x 18" x 72" Single Tier Institutional Or Corridor Locker .....	262.91	33.54
			For >25 To 50, Deduct	-9.79	
			For >50 To 100, Deduct	-20.59	
			For >100, Deduct	-31.39	
			For 14 Gauge Doors, Add	15.67	
10 51 13 00-0012	EA		15" x 15" x 72" Single Tier Institutional Or Corridor Locker .....	275.01	33.54
			For >25 To 50, Deduct	-10.40	
			For >50 To 100, Deduct	-21.80	
			For >100, Deduct	-33.20	
			For 14 Gauge Doors, Add	16.63	
10 51 13 00-0013	EA		15" x 18" x 72" Single Tier Institutional Or Corridor Locker .....	286.98	33.54
			For >25 To 50, Deduct	-11.00	
			For >50 To 100, Deduct	-23.00	
			For >100, Deduct	-35.00	
			For 14 Gauge Doors, Add	17.59	
10 51 13 00-0014	EA		18" x 18" x 72" Single Tier Institutional Or Corridor Locker .....	299.66	33.54
			For >25 To 50, Deduct	-11.63	
			For >50 To 100, Deduct	-24.26	
			For >100, Deduct	-36.90	
			For 14 Gauge Doors, Add	18.61	

**10 Specialties**

**10 50 Storage Specialties**

**10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0015	EA		18" x 21" x 72" Single Tier Institutional Or Corridor Locker .....	311.37	33.54
			<i>For &gt;25 To 50, Deduct</i>	-12.21	
			<i>For &gt;50 To 100, Deduct</i>	-25.44	
			<i>For &gt;100, Deduct</i>	-38.66	
			<i>For 14 Gauge Doors, Add</i>	19.54	
10 51 13 00-0016	EA		24" x 24" x 72" Single Tier Institutional Or Corridor Locker .....	418.35	33.54
			<i>For &gt;25 To 50, Deduct</i>	-17.56	
			<i>For &gt;50 To 100, Deduct</i>	-36.13	
			<i>For &gt;100, Deduct</i>	-54.70	
			<i>For 14 Gauge Doors, Add</i>	28.10	
<b>10 51 13 00-0017</b>			<b>Two Tier Institutional Or Corridor Locker</b> <small>(10 51 13 00-0001)</small>		
			Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0018	EA		12" x 12" x 60" Two Tier Institutional Or Corridor Locker .....	268.95	33.54
			<i>For &gt;25 To 50, Deduct</i>	-10.09	
			<i>For &gt;50 To 100, Deduct</i>	-21.19	
			<i>For &gt;100, Deduct</i>	-32.29	
			<i>For 14 Gauge Doors, Add</i>	22.21	
10 51 13 00-0019	EA		12" x 15" x 60" Two Tier Institutional Or Corridor Locker .....	274.41	33.54
			<i>For &gt;25 To 50, Deduct</i>	-10.37	
			<i>For &gt;50 To 100, Deduct</i>	-21.74	
			<i>For &gt;100, Deduct</i>	-33.11	
			<i>For 14 Gauge Doors, Add</i>	22.81	
10 51 13 00-0020	EA		12" x 18" x 60" Two Tier Institutional Or Corridor Locker .....	279.92	33.54
			<i>For &gt;25 To 50, Deduct</i>	-10.64	
			<i>For &gt;50 To 100, Deduct</i>	-22.29	
			<i>For &gt;100, Deduct</i>	-33.94	
			<i>For 14 Gauge Doors, Add</i>	23.41	
10 51 13 00-0021	EA		12" x 12" x 72" Two Tier Institutional Or Corridor Locker .....	281.09	34.59
			<i>For &gt;25 To 50, Deduct</i>	-10.60	
			<i>For &gt;50 To 100, Deduct</i>	-22.23	
			<i>For &gt;100, Deduct</i>	-33.86	
			<i>For 14 Gauge Doors, Add</i>	23.31	
10 51 13 00-0022	EA		12" x 15" x 72" Two Tier Institutional Or Corridor Locker .....	293.03	34.59
			<i>For &gt;25 To 50, Deduct</i>	-11.19	
			<i>For &gt;50 To 100, Deduct</i>	-23.42	
			<i>For &gt;100, Deduct</i>	-35.65	
			<i>For 14 Gauge Doors, Add</i>	24.62	
10 51 13 00-0023	EA		12" x 18" x 72" Two Tier Institutional Or Corridor Locker .....	300.24	34.59
			<i>For &gt;25 To 50, Deduct</i>	-11.55	
			<i>For &gt;50 To 100, Deduct</i>	-24.14	
			<i>For &gt;100, Deduct</i>	-36.73	
			<i>For 14 Gauge Doors, Add</i>	25.42	
10 51 13 00-0024	EA		15" x 15" x 72" Two Tier Institutional Or Corridor Locker .....	310.57	34.59
			<i>For &gt;25 To 50, Deduct</i>	-12.07	
			<i>For &gt;50 To 100, Deduct</i>	-25.18	
			<i>For &gt;100, Deduct</i>	-38.28	
			<i>For 14 Gauge Doors, Add</i>	26.55	
10 51 13 00-0025	EA		15" x 18" x 72" Two Tier Institutional Or Corridor Locker .....	320.95	34.59
			<i>For &gt;25 To 50, Deduct</i>	-12.59	
			<i>For &gt;50 To 100, Deduct</i>	-26.21	
			<i>For &gt;100, Deduct</i>	-39.84	
			<i>For 14 Gauge Doors, Add</i>	27.69	
10 51 13 00-0026	EA		18" x 18" x 72" Two Tier Institutional Or Corridor Locker .....	367.91	34.59
			<i>For &gt;25 To 50, Deduct</i>	-14.94	
			<i>For &gt;50 To 100, Deduct</i>	-30.91	
			<i>For &gt;100, Deduct</i>	-46.88	
			<i>For 14 Gauge Doors, Add</i>	32.86	
10 51 13 00-0027	EA		18" x 21" x 72" Two Tier Institutional Or Corridor Locker .....	376.43	34.59
			<i>For &gt;25 To 50, Deduct</i>	-15.36	
			<i>For &gt;50 To 100, Deduct</i>	-31.76	
			<i>For &gt;100, Deduct</i>	-48.16	
			<i>For 14 Gauge Doors, Add</i>	33.80	
<b>10 51 13 00-0028</b>			<b>Three Tier Institutional Or Corridor Locker</b> <small>(10 51 13 00-0001)</small>		
			Note: Includes one double hook per tier.		
10 51 13 00-0029	EA		12" x 12" x 72" Three Tier Institutional Or Corridor Locker .....	314.88	35.64
			<i>For &gt;25 To 50, Deduct</i>	-12.18	
			<i>For &gt;50 To 100, Deduct</i>	-25.43	
			<i>For &gt;100, Deduct</i>	-38.68	
			<i>For 14 Gauge Doors, Add</i>	36.54	
10 51 13 00-0030	EA		12" x 15" x 72" Three Tier Institutional Or Corridor Locker .....	320.49	35.64
			<i>For &gt;25 To 50, Deduct</i>	-12.46	
			<i>For &gt;50 To 100, Deduct</i>	-25.99	
			<i>For &gt;100, Deduct</i>	-39.52	
			<i>For 14 Gauge Doors, Add</i>	37.38	
10 51 13 00-0031	EA		12" x 18" x 72" Three Tier Institutional Or Corridor Locker .....	340.43	35.64
			<i>For &gt;25 To 50, Deduct</i>	-13.46	
			<i>For &gt;50 To 100, Deduct</i>	-27.98	
			<i>For &gt;100, Deduct</i>	-42.51	
			<i>For 14 Gauge Doors, Add</i>	40.37	
10 51 13 00-0032	EA		15" x 15" x 72" Three Tier Institutional Or Corridor Locker .....	359.51	35.64
			<i>For &gt;25 To 50, Deduct</i>	-14.41	
			<i>For &gt;50 To 100, Deduct</i>	-29.89	
			<i>For &gt;100, Deduct</i>	-45.37	
			<i>For 14 Gauge Doors, Add</i>	43.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0033	EA		15" x 18" x 72" Three Tier Institutional Or Corridor Locker.....	374.71	35.64
			For >25 To 50, Deduct	-15.17	
			For >50 To 100, Deduct	-31.41	
			For >100, Deduct	-47.65	
			For 14 Gauge Doors, Add	45.51	
<b>10 51 13 00-0034</b>			<b>Four Tier Institutional Or Corridor Locker</b> (10 51 13 00-0001)		
10 51 13 00-0035	EA		12" x 12" x 72" Four Tier Institutional Or Corridor Locker .....	309.49	36.68
			For >25 To 50, Deduct	-11.81	
			For >50 To 100, Deduct	-24.71	
			For >100, Deduct	-37.62	
10 51 13 00-0036	EA		12" x 15" x 72" Four Tier Institutional Or Corridor Locker .....	319.27	36.68
			For >25 To 50, Deduct	-12.29	
			For >50 To 100, Deduct	-25.69	
			For >100, Deduct	-39.08	
10 51 13 00-0037	EA		12" x 18" x 72" Four Tier Institutional Or Corridor Locker .....	335.02	36.68
			For >25 To 50, Deduct	-13.08	
			For >50 To 100, Deduct	-27.26	
			For >100, Deduct	-41.45	
10 51 13 00-0038	EA		15" x 15" x 72" Four Tier Institutional Or Corridor Locker .....	347.62	36.68
			For >25 To 50, Deduct	-13.71	
			For >50 To 100, Deduct	-28.52	
			For >100, Deduct	-43.34	
10 51 13 00-0039	EA		15" x 18" x 72" Four Tier Institutional Or Corridor Locker .....	365.76	36.68
			For >25 To 50, Deduct	-14.62	
			For >50 To 100, Deduct	-30.34	
			For >100, Deduct	-46.06	
<b>10 51 13 00-0040</b>			<b>Six Tier Institutional Or Corridor Locker</b> (10 51 13 00-0001)		
10 51 13 00-0041	EA		12" x 12" x 72" Six Tier Institutional Or Corridor Locker.....	336.20	37.74
			For >25 To 50, Deduct	-13.04	
			For >50 To 100, Deduct	-27.21	
			For >100, Deduct	-41.37	
10 51 13 00-0042	EA		12" x 15" x 72" Six Tier Institutional Or Corridor Locker.....	343.74	37.74
			For >25 To 50, Deduct	-13.41	
			For >50 To 100, Deduct	-27.96	
			For >100, Deduct	-42.50	
10 51 13 00-0043	EA		12" x 18" x 72" Six Tier Institutional Or Corridor Locker.....	358.00	37.74
			For >25 To 50, Deduct	-14.13	
			For >50 To 100, Deduct	-29.39	
			For >100, Deduct	-44.64	
<b>10 51 13 00-0044</b>			<b>Locker And Coat Rack Combination</b> (10 51 13 00-0001)		
10 51 13 00-0045	EA		45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination.....	611.44	25.15
10 51 13 00-0046	EA		72" x 18" x 78", 16 Person Locker And Coat Rack Combination.....	980.53	52.41
<b>10 51 13 00-0047</b>			<b>Athletic Lockers</b> (10 51 13)		
			Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.		
<b>10 51 13 00-0048</b>			<b>Single Tier Athletic Locker</b> (10 51 13 00-0047)		
			Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0049	EA		12" x 15" x 60" Single Tier Athletic Locker .....	339.41	33.54
			For >25 To 50, Deduct	-13.62	
			For >50 To 100, Deduct	-28.24	
			For >100, Deduct	-42.86	
10 51 13 00-0050	EA		12" x 18" x 60" Single Tier Athletic Locker .....	350.91	33.54
			For >25 To 50, Deduct	-14.19	
			For >50 To 100, Deduct	-29.39	
			For >100, Deduct	-44.59	
10 51 13 00-0051	EA		15" x 15" x 60" Single Tier Athletic Locker .....	358.31	33.54
			For >25 To 50, Deduct	-14.56	
			For >50 To 100, Deduct	-30.13	
			For >100, Deduct	-45.70	
10 51 13 00-0052	EA		15" x 18" x 60" Single Tier Athletic Locker .....	370.58	33.54
			For >25 To 50, Deduct	-15.18	
			For >50 To 100, Deduct	-31.36	
			For >100, Deduct	-47.54	
10 51 13 00-0053	EA		18" x 18" x 60" Single Tier Athletic Locker .....	423.55	33.54
			For >25 To 50, Deduct	-17.82	
			For >50 To 100, Deduct	-36.65	
			For >100, Deduct	-55.48	
10 51 13 00-0054	EA		18" x 21" x 60" Single Tier Athletic Locker .....	465.66	33.54
			For >25 To 50, Deduct	-19.93	
			For >50 To 100, Deduct	-40.86	
			For >100, Deduct	-61.80	
10 51 13 00-0055	EA		18" x 24" x 60" Single Tier Athletic Locker .....	494.46	33.54
			For >25 To 50, Deduct	-21.37	
			For >50 To 100, Deduct	-43.74	
			For >100, Deduct	-66.12	
10 51 13 00-0056	EA		12" x 15" x 72" Single Tier Athletic Locker .....	352.17	33.54
			For >25 To 50, Deduct	-14.25	
			For >50 To 100, Deduct	-29.52	
			For >100, Deduct	-44.78	

**10 Specialties**

**10 50 Storage Specialties**

**10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0057	EA		12" x 18" x 72" Single Tier Athletic Locker .....	372.89	33.54
			<i>For &gt;25 To 50, Deduct</i>	-15.29	
			<i>For &gt;50 To 100, Deduct</i>	-31.59	
			<i>For &gt;100, Deduct</i>	-47.88	
10 51 13 00-0058	EA		15" x 15" x 72" Single Tier Athletic Locker .....	380.17	33.54
			<i>For &gt;25 To 50, Deduct</i>	-15.65	
			<i>For &gt;50 To 100, Deduct</i>	-32.32	
			<i>For &gt;100, Deduct</i>	-48.98	
10 51 13 00-0059	EA		15" x 18" x 72" Single Tier Athletic Locker .....	393.47	33.54
			<i>For &gt;25 To 50, Deduct</i>	-16.32	
			<i>For &gt;50 To 100, Deduct</i>	-33.65	
			<i>For &gt;100, Deduct</i>	-50.97	
10 51 13 00-0060	EA		18" x 18" x 72" Single Tier Athletic Locker .....	426.26	33.54
			<i>For &gt;25 To 50, Deduct</i>	-17.96	
			<i>For &gt;50 To 100, Deduct</i>	-36.92	
			<i>For &gt;100, Deduct</i>	-55.89	
10 51 13 00-0061	EA		18" x 21" x 72" Single Tier Athletic Locker .....	460.63	33.54
			<i>For &gt;25 To 50, Deduct</i>	-19.68	
			<i>For &gt;50 To 100, Deduct</i>	-40.36	
			<i>For &gt;100, Deduct</i>	-61.04	
<b>10 51 13 00-0062</b>			<b>Two Tier Athletic Locker</b> <small>(10 51 13 00-0047)</small>		
			Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0063	EA		12" x 12" x 60" Two Tier Athletic Locker .....	379.93	34.59
			<i>For &gt;25 To 50, Deduct</i>	-15.54	
			<i>For &gt;50 To 100, Deduct</i>	-32.11	
			<i>For &gt;100, Deduct</i>	-48.69	
10 51 13 00-0064	EA		12" x 15" x 60" Two Tier Athletic Locker .....	392.17	34.59
			<i>For &gt;25 To 50, Deduct</i>	-16.15	
			<i>For &gt;50 To 100, Deduct</i>	-33.34	
			<i>For &gt;100, Deduct</i>	-50.52	
10 51 13 00-0065	EA		12" x 18" x 60" Two Tier Athletic Locker .....	405.95	34.59
			<i>For &gt;25 To 50, Deduct</i>	-16.84	
			<i>For &gt;50 To 100, Deduct</i>	-34.71	
			<i>For &gt;100, Deduct</i>	-52.59	
10 51 13 00-0066	EA		15" x 15" x 60" Two Tier Athletic Locker .....	407.29	34.59
			<i>For &gt;25 To 50, Deduct</i>	-16.91	
			<i>For &gt;50 To 100, Deduct</i>	-34.85	
			<i>For &gt;100, Deduct</i>	-52.79	
10 51 13 00-0067	EA		15" x 18" x 60" Two Tier Athletic Locker .....	410.16	34.59
			<i>For &gt;25 To 50, Deduct</i>	-17.05	
			<i>For &gt;50 To 100, Deduct</i>	-35.13	
			<i>For &gt;100, Deduct</i>	-53.22	
10 51 13 00-0068	EA		18" x 18" x 60" Two Tier Athletic Locker .....	434.37	34.59
			<i>For &gt;25 To 50, Deduct</i>	-18.26	
			<i>For &gt;50 To 100, Deduct</i>	-37.56	
			<i>For &gt;100, Deduct</i>	-56.85	
10 51 13 00-0069	EA		18" x 21" x 60" Two Tier Athletic Locker .....	452.11	34.59
			<i>For &gt;25 To 50, Deduct</i>	-19.15	
			<i>For &gt;50 To 100, Deduct</i>	-39.33	
			<i>For &gt;100, Deduct</i>	-59.51	
10 51 13 00-0070	EA		18" x 24" x 60" Two Tier Athletic Locker .....	531.31	34.59
			<i>For &gt;25 To 50, Deduct</i>	-23.11	
			<i>For &gt;50 To 100, Deduct</i>	-47.25	
			<i>For &gt;100, Deduct</i>	-71.39	
10 51 13 00-0071	EA		12" x 12" x 72" Two Tier Athletic Locker .....	393.18	34.59
			<i>For &gt;25 To 50, Deduct</i>	-16.20	
			<i>For &gt;50 To 100, Deduct</i>	-33.44	
			<i>For &gt;100, Deduct</i>	-50.67	
10 51 13 00-0072	EA		12" x 15" x 72" Two Tier Athletic Locker .....	405.72	34.59
			<i>For &gt;25 To 50, Deduct</i>	-16.83	
			<i>For &gt;50 To 100, Deduct</i>	-34.69	
			<i>For &gt;100, Deduct</i>	-52.56	
10 51 13 00-0073	EA		12" x 18" x 72" Two Tier Athletic Locker .....	422.81	34.59
			<i>For &gt;25 To 50, Deduct</i>	-17.68	
			<i>For &gt;50 To 100, Deduct</i>	-36.40	
			<i>For &gt;100, Deduct</i>	-55.12	
10 51 13 00-0074	EA		15" x 15" x 72" Two Tier Athletic Locker .....	425.40	34.59
			<i>For &gt;25 To 50, Deduct</i>	-17.81	
			<i>For &gt;50 To 100, Deduct</i>	-36.66	
			<i>For &gt;100, Deduct</i>	-55.51	
10 51 13 00-0075	EA		15" x 18" x 72" Two Tier Athletic Locker .....	439.45	34.59
			<i>For &gt;25 To 50, Deduct</i>	-18.51	
			<i>For &gt;50 To 100, Deduct</i>	-38.06	
			<i>For &gt;100, Deduct</i>	-57.61	
10 51 13 00-0076	EA		18" x 18" x 72" Two Tier Athletic Locker .....	456.71	34.59
			<i>For &gt;25 To 50, Deduct</i>	-19.38	
			<i>For &gt;50 To 100, Deduct</i>	-39.79	
			<i>For &gt;100, Deduct</i>	-60.20	
10 51 13 00-0077	EA		18" x 21" x 72" Two Tier Athletic Locker .....	495.43	34.59
			<i>For &gt;25 To 50, Deduct</i>	-21.31	
			<i>For &gt;50 To 100, Deduct</i>	-43.66	
			<i>For &gt;100, Deduct</i>	-66.01	

**10 51 13 00-0078 Three Tier Athletic Locker** (10 51 13 00-0047)  
 Note: Includes one double hook per tier.



<b>Specialties</b>	<b>10</b>
<b>Storage Specialties</b>	<b>10 50</b>
<b>Lockers</b>	<b>10 51</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0079	EA		12" x 12" x 60" Three Tier Athletic Locker.....	411.50	35.64
			<i>For &gt;25 To 50, Deduct</i>	-17.01	
			<i>For &gt;50 To 100, Deduct</i>	-35.09	
			<i>For &gt;100, Deduct</i>	-53.17	
10 51 13 00-0080	EA		12" x 15" x 60" Three Tier Athletic Locker.....	431.34	35.64
			<i>For &gt;25 To 50, Deduct</i>	-18.00	
			<i>For &gt;50 To 100, Deduct</i>	-37.08	
			<i>For &gt;100, Deduct</i>	-56.15	
10 51 13 00-0081	EA		12" x 18" x 60" Three Tier Athletic Locker.....	448.88	35.64
			<i>For &gt;25 To 50, Deduct</i>	-18.88	
			<i>For &gt;50 To 100, Deduct</i>	-38.83	
			<i>For &gt;100, Deduct</i>	-58.78	
10 51 13 00-0082	EA		15" x 15" x 60" Three Tier Athletic Locker.....	460.80	35.64
			<i>For &gt;25 To 50, Deduct</i>	-19.48	
			<i>For &gt;50 To 100, Deduct</i>	-40.02	
			<i>For &gt;100, Deduct</i>	-60.57	
10 51 13 00-0083	EA		15" x 18" x 60" Three Tier Athletic Locker.....	480.64	35.64
			<i>For &gt;25 To 50, Deduct</i>	-20.47	
			<i>For &gt;50 To 100, Deduct</i>	-42.01	
			<i>For &gt;100, Deduct</i>	-63.54	
10 51 13 00-0084	EA		12" x 12" x 72" Three Tier Athletic Locker.....	434.10	35.64
			<i>For &gt;25 To 50, Deduct</i>	-18.14	
			<i>For &gt;50 To 100, Deduct</i>	-37.35	
			<i>For &gt;100, Deduct</i>	-56.56	
10 51 13 00-0085	EA		12" x 15" x 72" Three Tier Athletic Locker.....	452.02	35.64
			<i>For &gt;25 To 50, Deduct</i>	-19.04	
			<i>For &gt;50 To 100, Deduct</i>	-39.14	
			<i>For &gt;100, Deduct</i>	-59.25	
10 51 13 00-0086	EA		12" x 18" x 72" Three Tier Athletic Locker.....	476.75	35.64
			<i>For &gt;25 To 50, Deduct</i>	-20.27	
			<i>For &gt;50 To 100, Deduct</i>	-41.62	
			<i>For &gt;100, Deduct</i>	-62.96	
10 51 13 00-0087	EA		15" x 15" x 72" Three Tier Athletic Locker.....	489.40	35.64
			<i>For &gt;25 To 50, Deduct</i>	-20.91	
			<i>For &gt;50 To 100, Deduct</i>	-42.88	
			<i>For &gt;100, Deduct</i>	-64.86	
10 51 13 00-0088	EA		15" x 18" x 72" Three Tier Athletic Locker.....	508.39	35.64
			<i>For &gt;25 To 50, Deduct</i>	-21.86	
			<i>For &gt;50 To 100, Deduct</i>	-44.78	
			<i>For &gt;100, Deduct</i>	-67.70	
<b>10 51 13 00-0089</b>			<b>Four Tier Athletic Locker</b> (10 51 13 00-0047)		
10 51 13 00-0090	EA		12" x 12" x 60" Four Tier Athletic Locker.....	379.76	36.88
			<i>For &gt;25 To 50, Deduct</i>	-15.32	
			<i>For &gt;50 To 100, Deduct</i>	-31.74	
			<i>For &gt;100, Deduct</i>	-48.16	
10 51 13 00-0091	EA		12" x 15" x 60" Four Tier Athletic Locker.....	404.06	36.88
			<i>For &gt;25 To 50, Deduct</i>	-16.53	
			<i>For &gt;50 To 100, Deduct</i>	-34.17	
			<i>For &gt;100, Deduct</i>	-51.80	
10 51 13 00-0092	EA		12" x 18" x 60" Four Tier Athletic Locker.....	428.36	36.88
			<i>For &gt;25 To 50, Deduct</i>	-17.75	
			<i>For &gt;50 To 100, Deduct</i>	-36.60	
			<i>For &gt;100, Deduct</i>	-55.45	
10 51 13 00-0093	EA		15" x 15" x 60" Four Tier Athletic Locker.....	438.29	36.88
			<i>For &gt;25 To 50, Deduct</i>	-18.25	
			<i>For &gt;50 To 100, Deduct</i>	-37.59	
			<i>For &gt;100, Deduct</i>	-56.94	
10 51 13 00-0094	EA		15" x 18" x 60" Four Tier Athletic Locker.....	478.21	36.88
			<i>For &gt;25 To 50, Deduct</i>	-20.24	
			<i>For &gt;50 To 100, Deduct</i>	-41.58	
			<i>For &gt;100, Deduct</i>	-62.93	
10 51 13 00-0095	EA		12" x 12" x 72" Four Tier Athletic Locker.....	404.48	36.88
			<i>For &gt;25 To 50, Deduct</i>	-16.56	
			<i>For &gt;50 To 100, Deduct</i>	-34.21	
			<i>For &gt;100, Deduct</i>	-51.87	
10 51 13 00-0096	EA		12" x 15" x 72" Four Tier Athletic Locker.....	429.13	36.88
			<i>For &gt;25 To 50, Deduct</i>	-17.79	
			<i>For &gt;50 To 100, Deduct</i>	-36.68	
			<i>For &gt;100, Deduct</i>	-55.56	
10 51 13 00-0097	EA		12" x 18" x 72" Four Tier Athletic Locker.....	453.78	36.88
			<i>For &gt;25 To 50, Deduct</i>	-19.02	
			<i>For &gt;50 To 100, Deduct</i>	-39.14	
			<i>For &gt;100, Deduct</i>	-59.26	
10 51 13 00-0098	EA		15" x 15" x 72" Four Tier Athletic Locker.....	466.40	36.88
			<i>For &gt;25 To 50, Deduct</i>	-19.65	
			<i>For &gt;50 To 100, Deduct</i>	-40.40	
			<i>For &gt;100, Deduct</i>	-61.15	
10 51 13 00-0099	EA		15" x 18" x 72" Four Tier Athletic Locker.....	475.87	36.88
			<i>For &gt;25 To 50, Deduct</i>	-20.12	
			<i>For &gt;50 To 100, Deduct</i>	-41.35	
			<i>For &gt;100, Deduct</i>	-62.57	
<b>10 51 13 00-0100</b>			<b>Six Tier Athletic Locker</b> (10 51 13 00-0047)		
10 51 13 00-0101	EA		12" x 12" x 72" Six Tier Athletic Locker.....	448.03	37.74
			<i>For &gt;25 To 50, Deduct</i>	-18.63	
			<i>For &gt;50 To 100, Deduct</i>	-38.39	
			<i>For &gt;100, Deduct</i>	-58.15	

**10 Specialties**

**10 50 Storage Specialties**

**10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0102	EA		12" x 15" x 72" Six Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	466.96 -19.57 -40.28 -60.99	37.74
10 51 13 00-0103	EA		12" x 18" x 72" Six Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	485.86 -20.52 -42.17 -63.82	37.74
10 51 13 00-0104	EA		12" x 21" x 72" Six Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	554.85 -23.97 -49.07 -74.17	37.74
<b>10 51 13 00-0105</b>			<b>Open Front, All-Welded Steel Stadium Lockers</b> <small>(10 51 13)</small> Note: 16 gauge perforated with diamond-shaped holes sides, 18 gauge solid back, 16 gauge top, bottom, front frame and shelf. The gauge of the optional foot locker seat and security box door is 14 GA.		
10 51 13 00-0106	EA		18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD01)..... Note: Includes shelf and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	238.08 -10.46 -21.36 -32.25	20.18
10 51 13 00-0107	EA		24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD10)..... Note: Includes shelf and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	255.73 -11.21 -22.90 -34.59	22.01
10 51 13 00-0108	EA		24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD20)..... Note: Includes shelf and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	266.90 -11.77 -24.02 -36.26	22.01
10 51 13 00-0109	EA		24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD30)..... Note: Includes shelf and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	277.15 -12.29 -25.04 -37.80	22.01
10 51 13 00-0110	EA		33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD40)..... Note: Includes shelf and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	262.77 -11.33 -23.20 -35.08	25.36
10 51 13 00-0111	EA		33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD50)..... Note: Includes shelf and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	282.58 -12.32 -25.18 -38.05	25.36
10 51 13 00-0112	EA		33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD60)..... Note: Includes shelf and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	291.36 -12.76 -26.06 -39.36	25.36
10 51 13 00-0113	EA		18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD09)..... Note: Includes shelf, security box and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	245.49 -10.83 -22.10 -33.36	20.18
10 51 13 00-0114	EA		24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD11)..... Note: Includes shelf, security box and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	279.10 -12.38 -25.24 -38.09	22.01
10 51 13 00-0115	EA		24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD21)..... Note: Includes shelf, security box and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	291.94 -13.02 -26.52 -40.02	22.01
10 51 13 00-0116	EA		24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD31)..... Note: Includes shelf, security box and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	297.67 -13.31 -27.09 -40.88	22.01
10 51 13 00-0117	EA		33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD41)..... Note: Includes shelf, security box and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	287.82 -12.58 -25.71 -38.83	25.36
10 51 13 00-0118	EA		33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD51)..... Note: Includes shelf, security box and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	307.65 -13.57 -27.69 -41.81	25.36
10 51 13 00-0119	EA		33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD61)..... Note: Includes shelf, security box and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	313.50 -13.87 -28.28 -42.69	25.36

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0120	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD02)..... Note: Includes shelf, foot locker and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	291.76 -13.15 -26.73 -40.30	20.18
10 51	13 00-0121	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD12)..... Note: Includes shelf, foot locker and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	310.43 -13.95 -28.37 -42.79	22.01
10 51	13 00-0122	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD22)..... Note: Includes shelf, foot locker and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	326.09 -14.73 -29.94 -45.14	22.01
10 51	13 00-0123	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD32)..... Note: Includes shelf, foot locker and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	329.06 -14.88 -30.23 -45.59	22.01
10 51	13 00-0124	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD42)..... Note: Includes shelf, foot locker and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	364.82 -16.43 -33.41 -50.38	25.36
10 51	13 00-0125	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD52)..... Note: Includes shelf, foot locker and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	374.69 -16.93 -34.40 -51.86	25.36
10 51	13 00-0126	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD62)..... Note: Includes shelf, foot locker and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	385.49 -17.47 -35.48 -53.48	25.36
10 51	13 00-0127	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD03)..... Note: Includes shelf, foot locker, security box and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	315.76 -14.35 -29.13 -43.90	20.18
10 51	13 00-0128	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD13)..... Note: Includes shelf, foot locker, security box and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	341.35 -15.50 -31.46 -47.43	22.01
10 51	13 00-0129	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD23)..... Note: Includes shelf, foot locker, security box and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	347.44 -15.80 -32.07 -48.34	22.01
10 51	13 00-0130	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD33)..... Note: Includes shelf, foot locker, security box and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	362.25 -16.54 -33.55 -50.56	22.01
10 51	13 00-0131	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD43)..... Note: Includes shelf, foot locker, security box and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	471.42 -21.76 -44.07 -66.37	25.36
10 51	13 00-0132	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD53)..... Note: Includes shelf, foot locker, security box and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	478.93 -22.14 -44.82 -67.50	25.36
10 51	13 00-0133	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD63)..... Note: Includes shelf, foot locker, security box and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	486.45 -22.51 -45.57 -68.63	25.36
10 51	13 00-0134		<b>Metal Locker Accessories</b> (10 51 13)		
10 51	13 00-0135		<b>Locker Slope Tops</b> (10 51 13 00-0134)		
10 51	13 00-0136		<b>16 Gauge Continuous Sloping Hood</b> (10 51 13 00-0135)		
10 51	13 00-0137	LF	12" Deep, 16 Gauge Continuous Slope Top.....	28.58	4.19
10 51	13 00-0138	LF	15" Deep, 16 Gauge Continuous Slope Top.....	24.27	4.19
10 51	13 00-0139	LF	18" Deep, 16 Gauge Continuous Slope Top.....	32.99	4.19
10 51	13 00-0140	LF	21" Deep, 16 Gauge Continuous Slope Top.....	36.35	4.19
10 51	13 00-0141	LF	24" Deep, 16 Gauge Continuous Slope Top.....	37.92	4.19
10 51	13 00-0142		<b>16 Gauge Slope Top Corner Fillers</b> (10 51 13 00-0135)		
10 51	13 00-0143	EA	12" Deep, 16 Gauge Slope Top Corner Fillers.....	115.15	4.19
10 51	13 00-0144	EA	15" Deep, 16 Gauge Slope Top Corner Fillers.....	117.60	4.19
10 51	13 00-0145	EA	18" Deep, 16 Gauge Slope Top Corner Fillers.....	120.03	4.19
10 51	13 00-0146	EA	21" Deep, 16 Gauge Slope Top Corner Fillers.....	122.98	4.19
10 51	13 00-0147	EA	24" Deep, 16 Gauge Slope Top Corner Fillers.....	125.90	4.19

**10 Specialties****10 50 Storage Specialties****10 51 Lockers**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0148			<b>20 Gauge Individual Slope Top</b> (10 51 13 00-0135)		
10 51 13 00-0149	EA		12" Wide x 12" Deep 20 Gauge Individual Slope Top .....	24.69	4.19
10 51 13 00-0150	EA		12" Wide x 15" Deep 20 Gauge Individual Slope Top .....	24.54	4.19
10 51 13 00-0151	EA		12" Wide x 18" Deep 20 Gauge Individual Slope Top .....	27.19	4.19
10 51 13 00-0152	EA		15" Wide x 15" Deep 20 Gauge Individual Slope Top .....	27.19	4.19
10 51 13 00-0153	EA		15" Wide x 18" Deep 20 Gauge Individual Slope Top .....	27.82	4.19
10 51 13 00-0154	EA		15" Wide x 21" Deep 20 Gauge Individual Slope Top .....	30.33	4.19
10 51 13 00-0155	EA		18" Wide x 18" Deep 20 Gauge Individual Slope Top .....	30.33	4.19
10 51 13 00-0156	EA		18" Wide x 21" Deep 20 Gauge Individual Slope Top .....	33.63	4.19
10 51 13 00-0157	EA		18" Wide x 24" Deep 20 Gauge Individual Slope Top .....	37.56	4.19
10 51 13 00-0158			<b>Continuous Slope Top End Closures</b> (10 51 13 00-0135)		
10 51 13 00-0159	PR		12" Deep, Continuous Slope Top End Closures .....	26.26	4.19
10 51 13 00-0160	PR		15" Deep, Continuous Slope Top End Closures .....	22.47	4.19
10 51 13 00-0161	PR		18" Deep, Continuous Slope Top End Closures .....	29.38	4.19
10 51 13 00-0162	PR		21" Deep, Continuous Slope Top End Closures .....	30.96	4.19
10 51 13 00-0163	PR		24" Deep, Continuous Slope Top End Closures .....	32.03	4.19
10 51 13 00-0164			<b>Individual Slope Top End Closures</b> (10 51 13 00-0135)		
10 51 13 00-0165	EA		12" Deep, Individual Slope Top End Closures .....	17.32	4.19
10 51 13 00-0166	EA		15" Deep, Individual Slope Top End Closures .....	17.81	4.19
10 51 13 00-0167	EA		18" Deep, Individual Slope Top End Closures .....	18.90	4.19
10 51 13 00-0168	EA		21" Deep, Individual Slope Top End Closures .....	19.66	4.19
10 51 13 00-0169	EA		24" Deep, Individual Slope Top End Closures .....	27.39	4.19
10 51 13 00-0170			<b>Locker Base</b> (10 51 13 00-0134)		
10 51 13 00-0171			<b>Closed Front Base</b> (10 51 13 00-0170)		
10 51 13 00-0172	EA		12" Wide, 6" High Closed Front Base .....	18.16	4.19
10 51 13 00-0173	EA		15" Wide, 6" High Closed Front Base .....	18.98	4.19
10 51 13 00-0174	EA		18" Wide, 6" High Closed Front Base .....	20.69	4.19
10 51 13 00-0175	EA		24" Wide, 6" High Closed Front Base .....	21.51	4.19
10 51 13 00-0176			<b>Closed End Base</b> (10 51 13 00-0170)		
10 51 13 00-0177	EA		12" Deep, 6" High Closed End Base .....	20.43	4.19
10 51 13 00-0178	EA		15" Deep, 6" High Closed End Base .....	20.58	4.19
10 51 13 00-0179	EA		18" Deep, 6" High Closed End Base .....	21.68	4.19
10 51 13 00-0180	EA		21" Deep, 6" High Closed End Base .....	22.77	4.19
10 51 13 00-0181	EA		24" Deep, 6" High Closed End Base .....	24.25	4.19
10 51 13 00-0182			<b>Recessed Continuous Front "Z" Base</b> (10 51 13 00-0170)		
10 51 13 00-0183	LF		4" High Recessed Continuous Front "Z" Base .....	21.16	3.14
10 51 13 00-0184			<b>"Z" Base Ends Or Splice</b> (10 51 13 00-0170)		
10 51 13 00-0185	EA		12" Wide, 4" High Z-Base Ends Or Splice .....	21.32	4.19
10 51 13 00-0186	EA		15" Wide, 4" High Z-Base Ends Or Splice .....	24.54	4.19
10 51 13 00-0187	EA		18" Wide, 4" High Z-Base Ends Or Splice .....	27.82	4.19
10 51 13 00-0188	EA		21" Wide, 4" High Z-Base Ends Or Splice .....	31.28	4.19
10 51 13 00-0189	EA		24" Wide, 4" High Z-Base Ends Or Splice .....	34.72	4.19
10 51 13 00-0190			<b>Locker Front Fillers And End Panels</b> (10 51 13 00-0134)		
10 51 13 00-0191			<b>Locker Front Fillers</b> (10 51 13 00-0190)		
10 51 13 00-0192	EA		6" Wide x 48" High, 16 Gauge Front Filler .....	27.72	5.24
10 51 13 00-0193	EA		12" Wide x 48" High, 16 Gauge Front Filler .....	44.16	5.24
10 51 13 00-0194	EA		6" Wide x 60" High, 16 Gauge Front Filler .....	34.47	5.24
10 51 13 00-0195	EA		12" Wide x 60" High, 16 Gauge Front Filler .....	52.59	5.24
10 51 13 00-0196	EA		6" Wide x 66" High, 16 Gauge Front Filler .....	37.42	5.24
10 51 13 00-0197	EA		12" Wide x 66" High, 16 Gauge Front Filler .....	41.91	5.24
10 51 13 00-0198	EA		6" Wide x 72" High, 16 Gauge Front Filler .....	40.85	5.24
10 51 13 00-0199	EA		12" Wide x 72" High, 16 Gauge Front Filler .....	57.48	5.24
10 51 13 00-0200	EA		6" Wide x 78" High, 16 Gauge Front Filler .....	41.80	5.24
10 51 13 00-0201	EA		12" Wide x 78" High, 16 Gauge Front Filler .....	48.52	5.24
10 51 13 00-0202			<b>Locker End Panels</b> (10 51 13 00-0190)		
10 51 13 00-0203	EA		12" Deep x 48" High, 16 Gauge End Panel .....	44.66	4.19
10 51 13 00-0204	EA		15" Deep x 48" High, 16 Gauge End Panel .....	54.34	4.19
10 51 13 00-0205	EA		18" Deep x 48" High, 16 Gauge End Panel .....	63.65	4.19
10 51 13 00-0206	EA		12" Deep x 60" High, 16 Gauge End Panel .....	52.58	4.19
10 51 13 00-0207	EA		15" Deep x 60" High, 16 Gauge End Panel .....	59.53	4.19
10 51 13 00-0208	EA		18" Deep x 60" High, 16 Gauge End Panel .....	70.45	4.19
10 51 13 00-0209	EA		12" Deep x 72" High, 16 Gauge End Panel .....	61.82	4.19
10 51 13 00-0210	EA		15" Deep x 72" High, 16 Gauge End Panel .....	70.26	4.19
10 51 13 00-0211	EA		18" Deep x 72" High, 16 Gauge End Panel .....	81.50	4.19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0212 EA 21" Deep x 72" High, 16 Gauge End Panel.....	93.70	4.19
<b>10 51 13 00-0213 Locker Recessed Trim (10 51 13 00-0134)</b>		
10 51 13 00-0214 LF 3" Height, Top Trim For Recessed Lockers .....	9.44	2.09
10 51 13 00-0215 EA 3" Height, Inside And Outside Top Corner Trim For Recessed Lockers .....	25.75	4.19
10 51 13 00-0216 EA 60" Height, 3" Wide Side Trim For Recessed Lockers .....	38.77	4.19
10 51 13 00-0217 EA 66" Height, 3" Wide Side Trim For Recessed Lockers .....	40.15	4.19
10 51 13 00-0218 EA 72" Height, 3" Wide Side Trim For Recessed Lockers .....	41.52	4.19
10 51 13 00-0219 EA 78" Height, 3" Wide Side Trim For Recessed Lockers .....	42.72	4.19
<b>10 51 13 00-0220 Locker Interior Accessories (10 51 13 00-0134)</b>		
<b>10 51 13 00-0221 Locker Coat Rods (10 51 13 00-0220)</b>		
10 51 13 00-0222 EA 12" Wide Coat Rod .....	14.30	4.19
10 51 13 00-0223 EA 15" Wide Coat Rod .....	15.58	4.19
10 51 13 00-0224 EA 18" Wide Coat Rod .....	16.71	4.19
10 51 13 00-0225 EA 24" Wide Coat Rod .....	17.72	4.19
<b>10 51 13 00-0226 Locker Hat Shelf (10 51 13 00-0220)</b>		
10 51 13 00-0227 EA 12" Wide Hat Shelf .....	16.99	4.19
10 51 13 00-0228 EA 15" Wide Hat Shelf .....	19.75	4.19
10 51 13 00-0229 EA 18" Wide Hat Shelf .....	20.92	4.19
10 51 13 00-0230 EA 24" Wide Hat Shelf .....	25.53	4.19
<b>10 51 13 00-0231 Locker ADA Compliant Shelf (10 51 13 00-0220)</b>		
10 51 13 00-0232 EA ADA Compliant Shelf For Single Tier Lockers .....	32.86	5.24
Note: Includes an ADA label for locker face.		
<b>10 51 13 00-0233 Other Interior Locker Accessories (10 51 13 00-0220)</b>		
10 51 13 00-0234 EA 3" x 10" Bent Plate Shoe Rack .....	42.83	4.19
10 51 13 00-0235 EA 8" x 10" Mirror .....	34.22	4.19
10 51 13 00-0236 EA Additional Hook .....	10.54	4.19
<b>10 51 13 00-0237 Locker Locks (10 51 13 00-0134)</b>		
10 51 13 00-0238 EA Built In Combination Lock .....	37.43	4.19
<b>10 51 13 00-0239 Steel Basket Racks Mounted On Concrete Base (10 51 13)</b>		
Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.		
10 51 13 00-0240 EA 9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack .....	1,724.26	78.61
10 51 13 00-0241 EA 12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack .....	1,476.69	78.61
<b>10 51 13 00-0242 All-Welded Steel Lockers (10 51 13)</b>		
<b>10 51 13 00-0243 All-Welded Steel Lockers (10 51 13 00-0242)</b>		
Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		
<b>10 51 13 00-0244 Single Tier, All-Welded Steel Lockers (10 51 13 00-0243)</b>		
Note: Includes one hat shelf, two single hooks and one double hook.		
10 51 13 00-0245 EA 12" x 12" x 48" Single Tier, All-Welded Steel Locker .....	140.84	18.35
For >25 To 50, Deduct		
For >50 To 100, Deduct		
For >100, Deduct		
10 51 13 00-0246 EA 12" x 15" x 48" Single Tier, All-Welded Steel Locker .....	147.60	18.35
For >25 To 50, Deduct		
For >50 To 100, Deduct		
For >100, Deduct		
10 51 13 00-0247 EA 12" x 18" x 48" Single Tier, All-Welded Steel Locker .....	154.12	18.35
For >25 To 50, Deduct		
For >50 To 100, Deduct		
For >100, Deduct		
10 51 13 00-0248 EA 12" x 12" x 60" Single Tier, All-Welded Steel Locker .....	146.42	18.35
For >25 To 50, Deduct		
For >50 To 100, Deduct		
For >100, Deduct		
10 51 13 00-0249 EA 12" x 15" x 60" Single Tier, All-Welded Steel Locker .....	152.94	18.35
For >25 To 50, Deduct		
For >50 To 100, Deduct		
For >100, Deduct		
10 51 13 00-0250 EA 12" x 18" x 60" Single Tier, All-Welded Steel Locker .....	159.45	18.35
For >25 To 50, Deduct		
For >50 To 100, Deduct		
For >100, Deduct		
10 51 13 00-0251 EA 12" x 12" x 72" Single Tier, All-Welded Steel Locker .....	155.08	20.18
For >25 To 50, Deduct		
For >50 To 100, Deduct		
For >100, Deduct		

**10 Specialties****10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0252	EA		12" x 15" x 72" Single Tier, All-Welded Steel Locker.....	161.11	20.18
			<i>For &gt;25 To 50, Deduct</i>	-6.61	
			<i>For &gt;50 To 100, Deduct</i>	-13.66	
			<i>For &gt;100, Deduct</i>	-20.71	
10 51 13 00-0253	EA		12" x 18" x 72" Single Tier, All-Welded Steel Locker.....	167.62	20.18
			<i>For &gt;25 To 50, Deduct</i>	-6.94	
			<i>For &gt;50 To 100, Deduct</i>	-14.31	
			<i>For &gt;100, Deduct</i>	-21.68	
10 51 13 00-0254	EA		15" x 15" x 72" Single Tier, All-Welded Steel Locker.....	173.72	20.18
			<i>For &gt;25 To 50, Deduct</i>	-7.24	
			<i>For &gt;50 To 100, Deduct</i>	-14.92	
			<i>For &gt;100, Deduct</i>	-22.60	
10 51 13 00-0255	EA		15" x 18" x 72" Single Tier, All-Welded Steel Locker.....	178.73	20.18
			<i>For &gt;25 To 50, Deduct</i>	-7.50	
			<i>For &gt;50 To 100, Deduct</i>	-15.42	
			<i>For &gt;100, Deduct</i>	-23.35	
10 51 13 00-0256	EA		18" x 18" x 72" Single Tier, All-Welded Steel Locker.....	185.66	20.18
			<i>For &gt;25 To 50, Deduct</i>	-7.84	
			<i>For &gt;50 To 100, Deduct</i>	-16.12	
			<i>For &gt;100, Deduct</i>	-24.39	
10 51 13 00-0257	EA		18" x 21" x 72" Single Tier, All-Welded Steel Locker.....	193.45	20.18
			<i>For &gt;25 To 50, Deduct</i>	-8.23	
			<i>For &gt;50 To 100, Deduct</i>	-16.89	
			<i>For &gt;100, Deduct</i>	-25.56	
10 51 13 00-0258	EA		24" x 24" x 72" Single Tier, All-Welded Steel Locker.....	310.76	20.18
			<i>For &gt;25 To 50, Deduct</i>	-14.10	
			<i>For &gt;50 To 100, Deduct</i>	-28.63	
			<i>For &gt;100, Deduct</i>	-43.15	
<b>10 51 13 00-0259</b>			<b>Two Tier, All-Welded Steel Lockers</b> <small>(10 51 13 00-0243)</small>		
			Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0260	EA		12" x 12" x 60" Two Tier, All-Welded Steel Locker.....	167.54	18.35
			<i>For &gt;25 To 50, Deduct</i>	-7.07	
			<i>For &gt;50 To 100, Deduct</i>	-14.53	
			<i>For &gt;100, Deduct</i>	-21.99	
10 51 13 00-0261	EA		12" x 15" x 60" Two Tier, All-Welded Steel Locker.....	170.53	18.35
			<i>For &gt;25 To 50, Deduct</i>	-7.22	
			<i>For &gt;50 To 100, Deduct</i>	-14.83	
			<i>For &gt;100, Deduct</i>	-22.44	
10 51 13 00-0262	EA		12" x 18" x 60" Two Tier, All-Welded Steel Locker.....	178.56	18.35
			<i>For &gt;25 To 50, Deduct</i>	-7.62	
			<i>For &gt;50 To 100, Deduct</i>	-15.63	
			<i>For &gt;100, Deduct</i>	-23.64	
10 51 13 00-0263	EA		12" x 12" x 72" Two Tier, All-Welded Steel Locker.....	175.16	20.18
			<i>For &gt;25 To 50, Deduct</i>	-7.32	
			<i>For &gt;50 To 100, Deduct</i>	-15.07	
			<i>For &gt;100, Deduct</i>	-22.81	
10 51 13 00-0264	EA		12" x 15" x 72" Two Tier, All-Welded Steel Locker.....	186.22	20.18
			<i>For &gt;25 To 50, Deduct</i>	-7.87	
			<i>For &gt;50 To 100, Deduct</i>	-16.17	
			<i>For &gt;100, Deduct</i>	-24.47	
10 51 13 00-0265	EA		12" x 18" x 72" Two Tier, All-Welded Steel Locker.....	192.25	20.18
			<i>For &gt;25 To 50, Deduct</i>	-8.17	
			<i>For &gt;50 To 100, Deduct</i>	-16.77	
			<i>For &gt;100, Deduct</i>	-25.38	
10 51 13 00-0266	EA		15" x 15" x 72" Two Tier, All-Welded Steel Locker.....	200.84	20.18
			<i>For &gt;25 To 50, Deduct</i>	-8.60	
			<i>For &gt;50 To 100, Deduct</i>	-17.63	
			<i>For &gt;100, Deduct</i>	-26.67	
10 51 13 00-0267	EA		15" x 18" x 72" Two Tier, All-Welded Steel Locker.....	204.89	20.18
			<i>For &gt;25 To 50, Deduct</i>	-8.80	
			<i>For &gt;50 To 100, Deduct</i>	-18.04	
			<i>For &gt;100, Deduct</i>	-27.27	
10 51 13 00-0268	EA		18" x 18" x 72" Two Tier, All-Welded Steel Locker.....	216.55	20.18
			<i>For &gt;25 To 50, Deduct</i>	-9.39	
			<i>For &gt;50 To 100, Deduct</i>	-19.20	
			<i>For &gt;100, Deduct</i>	-29.02	
10 51 13 00-0269	EA		18" x 21" x 72" Two Tier, All-Welded Steel Locker.....	225.58	20.18
			<i>For &gt;25 To 50, Deduct</i>	-9.84	
			<i>For &gt;50 To 100, Deduct</i>	-20.11	
			<i>For &gt;100, Deduct</i>	-30.38	
<b>10 51 13 00-0270</b>			<b>Three Tier, All-Welded Steel Lockers</b> <small>(10 51 13 00-0243)</small>		
			Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0271	EA		12" x 12" x 72" Three Tier, All-Welded Steel Locker.....	206.32	20.18
			<i>For &gt;25 To 50, Deduct</i>	-8.87	
			<i>For &gt;50 To 100, Deduct</i>	-18.18	
			<i>For &gt;100, Deduct</i>	-27.49	
10 51 13 00-0272	EA		12" x 15" x 72" Three Tier, All-Welded Steel Locker.....	210.85	20.18
			<i>For &gt;25 To 50, Deduct</i>	-9.10	
			<i>For &gt;50 To 100, Deduct</i>	-18.63	
			<i>For &gt;100, Deduct</i>	-28.17	
10 51 13 00-0273	EA		12" x 18" x 72" Three Tier, All-Welded Steel Locker.....	215.35	20.18
			<i>For &gt;25 To 50, Deduct</i>	-9.33	
			<i>For &gt;50 To 100, Deduct</i>	-19.08	
			<i>For &gt;100, Deduct</i>	-28.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0274	EA		15" x 15" x 72" Three Tier, All-Welded Steel Locker .....	226.01	20.18
			For >25 To 50, Deduct	-9.86	
			For >50 To 100, Deduct	-20.15	
			For >100, Deduct	-30.44	
10 51 13 00-0275	EA		15" x 18" x 72" Three Tier, All-Welded Steel Locker .....	227.98	20.18
			For >25 To 50, Deduct	-9.96	
			For >50 To 100, Deduct	-20.35	
			For >100, Deduct	-30.74	
<b>10 51 13 00-0276</b>			<b>Four Tier, All-Welded Steel Lockers</b> (10 51 13 00-0243)		
10 51 13 00-0277	EA		12" x 12" x 72" Four Tier, All-Welded Steel Locker .....	195.57	20.18
			For >25 To 50, Deduct	-8.34	
			For >50 To 100, Deduct	-17.11	
			For >100, Deduct	-25.88	
10 51 13 00-0278	EA		12" x 15" x 72" Four Tier, All-Welded Steel Locker .....	199.85	20.18
			For >25 To 50, Deduct	-8.55	
			For >50 To 100, Deduct	-17.53	
			For >100, Deduct	-26.52	
10 51 13 00-0279	EA		12" x 18" x 72" Four Tier, All-Welded Steel Locker .....	204.10	20.18
			For >25 To 50, Deduct	-8.76	
			For >50 To 100, Deduct	-17.96	
			For >100, Deduct	-27.16	
10 51 13 00-0280	EA		15" x 15" x 72" Four Tier, All-Welded Steel Locker .....	214.13	20.18
			For >25 To 50, Deduct	-9.27	
			For >50 To 100, Deduct	-18.96	
			For >100, Deduct	-28.66	
10 51 13 00-0281	EA		15" x 18" x 72" Four Tier, All-Welded Steel Locker .....	215.95	20.18
			For >25 To 50, Deduct	-9.36	
			For >50 To 100, Deduct	-19.14	
			For >100, Deduct	-28.93	
<b>10 51 13 00-0282</b>			<b>Six Tier, All-Welded Steel Lockers</b> (10 51 13 00-0243)		
10 51 13 00-0283	EA		12" x 12" x 72" Six Tier, All-Welded Steel Locker .....	202.23	20.18
			For >25 To 50, Deduct	-8.67	
			For >50 To 100, Deduct	-17.77	
			For >100, Deduct	-26.87	
10 51 13 00-0284	EA		12" x 15" x 72" Six Tier, All-Welded Steel Locker .....	208.47	20.18
			For >25 To 50, Deduct	-8.98	
			For >50 To 100, Deduct	-18.40	
			For >100, Deduct	-27.81	
10 51 13 00-0285	EA		12" x 18" x 72" Six Tier, All-Welded Steel Locker .....	213.07	20.18
			For >25 To 50, Deduct	-9.21	
			For >50 To 100, Deduct	-18.86	
			For >100, Deduct	-28.50	
<b>10 51 13 00-0286</b>			<b>All Welded Locker Accessories</b> (10 51 13 00-0242)		
10 51 13 00-0287	EA		ADA Requirements For All Welded Lockers .....	88.24	
10 51 13 00-0288	EA		Solid Boxed End Panel For 12" Deep All Welded Lockers.....	144.53	4.19
10 51 13 00-0289	EA		Solid Boxed End Panel For 15" Deep All Welded Lockers.....	167.23	4.19
10 51 13 00-0290	EA		Recessed Trim For All Welded Lockers .....	102.51	4.19
10 51 13 00-0291	EA		Built In Combination Lock For All Welded Lockers .....	37.43	4.19
10 51 13 00-0292	EA		Pad Lock For All Welded Lockers .....	29.40	4.19
<b>10 51 26</b>			<b>Plastic Lockers</b> (10 51)		
<b>10 51 26 00-0001</b>			<b>Solid Plastic Lockers</b> (10 51 26)		
			Note: Price per frame. High density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.		
<b>10 51 26 00-0002</b>			<b>Single Tier Solid Plastic Lockers</b> (10 51 26 00-0001)		
			Note: Includes one double hook per tier.		
10 51 26 00-0003	EA		12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	433.22	32.49
			For >50 To 100, Deduct	-36.82	
			For >100, Deduct	-57.18	
10 51 26 00-0004	EA		12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	440.60	32.49
			For >50 To 100, Deduct	-37.56	
			For >100, Deduct	-58.29	
10 51 26 00-0005	EA		12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	447.99	32.49
			For >50 To 100, Deduct	-38.30	
			For >100, Deduct	-59.40	
10 51 26 00-0006	EA		15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	459.07	32.49
			For >50 To 100, Deduct	-39.41	
			For >100, Deduct	-61.06	
10 51 26 00-0007	EA		15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	447.35	32.49
			For >50 To 100, Deduct	-38.24	
			For >100, Deduct	-59.30	
10 51 26 00-0008	EA		18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	450.46	32.49
			For >50 To 100, Deduct	-38.55	
			For >100, Deduct	-59.77	
10 51 26 00-0009	EA		18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	445.00	32.49
			For >50 To 100, Deduct	-38.00	
			For >100, Deduct	-58.95	
10 51 26 00-0010	EA		18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	475.50	32.49
			For >50 To 100, Deduct	-41.05	
			For >100, Deduct	-63.53	

**10 Specialties****10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0011	EA		12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	468.46	32.49
			<i>For &gt;50 To 100, Deduct</i>	-40.35	
			<i>For &gt;100, Deduct</i>	-62.47	
10 51 26 00-0012	EA		12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	476.67	32.49
			<i>For &gt;50 To 100, Deduct</i>	-41.17	
			<i>For &gt;100, Deduct</i>	-63.70	
10 51 26 00-0013	EA		12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	484.88	32.49
			<i>For &gt;50 To 100, Deduct</i>	-41.99	
			<i>For &gt;100, Deduct</i>	-64.93	
10 51 26 00-0014	EA		15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	503.65	32.49
			<i>For &gt;50 To 100, Deduct</i>	-43.87	
			<i>For &gt;100, Deduct</i>	-67.75	
10 51 26 00-0015	EA		15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	529.45	32.49
			<i>For &gt;50 To 100, Deduct</i>	-46.45	
			<i>For &gt;100, Deduct</i>	-71.62	
10 51 26 00-0016	EA		18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	505.99	32.49
			<i>For &gt;50 To 100, Deduct</i>	-44.10	
			<i>For &gt;100, Deduct</i>	-68.10	
10 51 26 00-0017	EA		18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	548.21	32.49
			<i>For &gt;50 To 100, Deduct</i>	-48.32	
			<i>For &gt;100, Deduct</i>	-74.43	
10 51 26 00-0018	EA		12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	471.73	32.49
			<i>For &gt;50 To 100, Deduct</i>	-40.67	
			<i>For &gt;100, Deduct</i>	-62.96	
10 51 26 00-0019	EA		12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	495.79	32.49
			<i>For &gt;50 To 100, Deduct</i>	-43.08	
			<i>For &gt;100, Deduct</i>	-66.57	
10 51 26 00-0020	EA		12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	519.87	32.49
			<i>For &gt;50 To 100, Deduct</i>	-45.49	
			<i>For &gt;100, Deduct</i>	-70.18	
10 51 26 00-0021	EA		15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	502.24	32.49
			<i>For &gt;50 To 100, Deduct</i>	-43.73	
			<i>For &gt;100, Deduct</i>	-67.54	
10 51 26 00-0022	EA		15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	527.74	32.49
			<i>For &gt;50 To 100, Deduct</i>	-46.28	
			<i>For &gt;100, Deduct</i>	-71.36	
10 51 26 00-0023	EA		15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	553.26	32.49
			<i>For &gt;50 To 100, Deduct</i>	-48.83	
			<i>For &gt;100, Deduct</i>	-75.19	
10 51 26 00-0024	EA		18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	532.74	32.49
			<i>For &gt;50 To 100, Deduct</i>	-46.78	
			<i>For &gt;100, Deduct</i>	-72.11	
10 51 26 00-0025	EA		18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	559.70	32.49
			<i>For &gt;50 To 100, Deduct</i>	-49.47	
			<i>For &gt;100, Deduct</i>	-76.16	
10 51 26 00-0026	EA		12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	537.73	33.54
			<i>For &gt;50 To 100, Deduct</i>	-47.07	
			<i>For &gt;100, Deduct</i>	-72.61	
10 51 26 00-0027	EA		12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	564.71	33.54
			<i>For &gt;50 To 100, Deduct</i>	-49.76	
			<i>For &gt;100, Deduct</i>	-76.66	
10 51 26 00-0028	EA		12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	591.65	33.54
			<i>For &gt;50 To 100, Deduct</i>	-52.46	
			<i>For &gt;100, Deduct</i>	-80.70	
10 51 26 00-0029	EA		15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	572.74	33.54
			<i>For &gt;50 To 100, Deduct</i>	-50.57	
			<i>For &gt;100, Deduct</i>	-77.86	
10 51 26 00-0030	EA		15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	601.19	33.54
			<i>For &gt;50 To 100, Deduct</i>	-53.41	
			<i>For &gt;100, Deduct</i>	-82.13	
10 51 26 00-0031	EA		15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	629.61	33.54
			<i>For &gt;50 To 100, Deduct</i>	-56.25	
			<i>For &gt;100, Deduct</i>	-86.39	
10 51 26 00-0032	EA		18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	600.65	33.54
			<i>For &gt;50 To 100, Deduct</i>	-53.36	
			<i>For &gt;100, Deduct</i>	-82.05	
10 51 26 00-0033	EA		18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	637.64	33.54
			<i>For &gt;50 To 100, Deduct</i>	-57.06	
			<i>For &gt;100, Deduct</i>	-87.60	
10 51 26 00-0034	EA		18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	667.52	33.54
			<i>For &gt;50 To 100, Deduct</i>	-60.04	
			<i>For &gt;100, Deduct</i>	-92.08	
10 51 26 00-0035			<b>Double Tier Solid Plastic Lockers</b> (10 51 26 00-0001)		
			Note: Includes one double hook per tier.		
10 51 26 00-0036	EA		12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	484.63	33.54
			<i>For &gt;50 To 100, Deduct</i>	-41.76	
			<i>For &gt;100, Deduct</i>	-64.64	
10 51 26 00-0037	EA		12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	491.66	33.54
			<i>For &gt;50 To 100, Deduct</i>	-42.46	
			<i>For &gt;100, Deduct</i>	-65.70	
10 51 26 00-0038	EA		12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	502.21	33.54
			<i>For &gt;50 To 100, Deduct</i>	-43.51	
			<i>For &gt;100, Deduct</i>	-67.28	
10 51 26 00-0039	EA		15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	498.70	33.54
			<i>For &gt;50 To 100, Deduct</i>	-43.16	
			<i>For &gt;100, Deduct</i>	-66.76	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0040	EA		15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	517.47	33.54
			For >50 To 100, Deduct	-45.04	
			For >100, Deduct	-69.57	
10 51 26 00-0041	EA		15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	562.03	33.54
			For >50 To 100, Deduct	-49.50	
			For >100, Deduct	-76.25	
10 51 26 00-0042	EA		18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	503.40	33.54
			For >50 To 100, Deduct	-43.63	
			For >100, Deduct	-67.46	
10 51 26 00-0043	EA		18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	526.10	33.54
			For >50 To 100, Deduct	-45.90	
			For >100, Deduct	-70.87	
10 51 26 00-0044	EA		18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	566.73	33.54
			For >50 To 100, Deduct	-49.97	
			For >100, Deduct	-76.96	
10 51 26 00-0045	EA		12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	500.77	33.54
			For >50 To 100, Deduct	-43.37	
			For >100, Deduct	-67.07	
10 51 26 00-0046	EA		12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	537.51	33.54
			For >50 To 100, Deduct	-47.04	
			For >100, Deduct	-72.58	
10 51 26 00-0047	EA		12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	548.01	33.54
			For >50 To 100, Deduct	-48.09	
			For >100, Deduct	-74.15	
10 51 26 00-0048	EA		15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	543.65	33.54
			For >50 To 100, Deduct	-47.66	
			For >100, Deduct	-73.50	
10 51 26 00-0049	EA		15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	568.00	33.54
			For >50 To 100, Deduct	-50.09	
			For >100, Deduct	-77.15	
10 51 26 00-0050	EA		18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	572.76	33.54
			For >50 To 100, Deduct	-50.57	
			For >100, Deduct	-77.86	
10 51 26 00-0051	EA		18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	598.50	33.54
			For >50 To 100, Deduct	-53.14	
			For >100, Deduct	-81.73	
10 51 26 00-0052	EA		18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	624.24	33.54
			For >50 To 100, Deduct	-55.72	
			For >100, Deduct	-85.59	
10 51 26 00-0053	EA		12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	577.64	34.59
			For >50 To 100, Deduct	-50.85	
			For >100, Deduct	-78.34	
10 51 26 00-0054	EA		12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	603.38	34.59
			For >50 To 100, Deduct	-53.42	
			For >100, Deduct	-82.20	
10 51 26 00-0055	EA		12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	616.80	34.59
			For >50 To 100, Deduct	-54.76	
			For >100, Deduct	-84.22	
10 51 26 00-0056	EA		15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	611.06	34.59
			For >50 To 100, Deduct	-54.19	
			For >100, Deduct	-83.36	
10 51 26 00-0057	EA		15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	638.21	34.59
			For >50 To 100, Deduct	-56.90	
			For >100, Deduct	-87.43	
10 51 26 00-0058	EA		15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	665.35	34.59
			For >50 To 100, Deduct	-59.62	
			For >100, Deduct	-91.50	
10 51 26 00-0059	EA		18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	615.92	34.59
			For >50 To 100, Deduct	-54.67	
			For >100, Deduct	-84.09	
10 51 26 00-0060	EA		18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	673.01	34.59
			For >50 To 100, Deduct	-60.38	
			For >100, Deduct	-92.65	
10 51 26 00-0061	EA		18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	701.53	34.59
			For >50 To 100, Deduct	-63.23	
			For >100, Deduct	-96.93	
<b>10 51 26 00-0062</b>			<b>Triple Tier Solid Plastic Lockers (10 51 26 00-0001)</b>		
			Note: Includes one double hook per tier.		
10 51 26 00-0063	EA		12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) .....	477.94	34.59
			For >50 To 100, Deduct	-40.88	
			For >100, Deduct	-63.39	
10 51 26 00-0064	EA		15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) .....	497.25	34.59
			For >50 To 100, Deduct	-42.81	
			For >100, Deduct	-66.28	
10 51 26 00-0065	EA		15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) .....	514.96	34.59
			For >50 To 100, Deduct	-44.58	
			For >100, Deduct	-68.94	
10 51 26 00-0066	EA		12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) .....	518.40	34.59
			For >50 To 100, Deduct	-44.92	
			For >100, Deduct	-69.46	
10 51 26 00-0067	EA		12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) .....	559.67	34.59
			For >50 To 100, Deduct	-49.05	
			For >100, Deduct	-75.65	
10 51 26 00-0068	EA		12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) .....	559.86	34.59
			For >50 To 100, Deduct	-49.07	
			For >100, Deduct	-75.68	

**10 Specialties**

**10 50 Storage Specialties**

**10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0069	EA		15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	582.38	34.59
			<i>For &gt;50 To 100, Deduct</i>	-51.32	
			<i>For &gt;100, Deduct</i>	-79.05	
10 51 26 00-0070	EA		15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	605.00	34.59
			<i>For &gt;50 To 100, Deduct</i>	-53.58	
			<i>For &gt;100, Deduct</i>	-82.45	
10 51 26 00-0071	EA		15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	627.60	34.59
			<i>For &gt;50 To 100, Deduct</i>	-55.84	
			<i>For &gt;100, Deduct</i>	-85.84	
10 51 26 00-0072	EA		18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	609.43	34.59
			<i>For &gt;50 To 100, Deduct</i>	-54.02	
			<i>For &gt;100, Deduct</i>	-83.11	
10 51 26 00-0073	EA		18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	633.33	34.59
			<i>For &gt;50 To 100, Deduct</i>	-56.41	
			<i>For &gt;100, Deduct</i>	-86.70	
10 51 26 00-0074	EA		18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	657.22	34.59
			<i>For &gt;50 To 100, Deduct</i>	-58.80	
			<i>For &gt;100, Deduct</i>	-90.28	
10 51 26 00-0075	EA		12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	614.08	35.64
			<i>For &gt;50 To 100, Deduct</i>	-54.28	
			<i>For &gt;100, Deduct</i>	-83.56	
10 51 26 00-0076	EA		12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	638.00	35.64
			<i>For &gt;50 To 100, Deduct</i>	-56.67	
			<i>For &gt;100, Deduct</i>	-87.15	
10 51 26 00-0077	EA		12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	654.78	35.64
			<i>For &gt;50 To 100, Deduct</i>	-58.35	
			<i>For &gt;100, Deduct</i>	-89.66	
10 51 26 00-0078	EA		15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	645.11	35.64
			<i>For &gt;50 To 100, Deduct</i>	-57.38	
			<i>For &gt;100, Deduct</i>	-88.21	
10 51 26 00-0079	EA		15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	652.69	35.64
			<i>For &gt;50 To 100, Deduct</i>	-58.14	
			<i>For &gt;100, Deduct</i>	-89.35	
10 51 26 00-0080	EA		15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	680.01	35.64
			<i>For &gt;50 To 100, Deduct</i>	-60.87	
			<i>For &gt;100, Deduct</i>	-93.45	
10 51 26 00-0081	EA		18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	634.26	35.64
			<i>For &gt;50 To 100, Deduct</i>	-56.30	
			<i>For &gt;100, Deduct</i>	-86.59	
10 51 26 00-0082	EA		18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	689.80	35.64
			<i>For &gt;50 To 100, Deduct</i>	-61.85	
			<i>For &gt;100, Deduct</i>	-94.92	
10 51 26 00-0083	EA		18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	729.12	35.64
			<i>For &gt;50 To 100, Deduct</i>	-65.78	
			<i>For &gt;100, Deduct</i>	-100.81	
<b>10 51 26 00-0084 Four Tier Solid Plastic Lockers (10 51 26 00-0001)</b>					
10 51 26 00-0085	EA		12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	553.33	35.64
			<i>For &gt;50 To 100, Deduct</i>	-48.21	
			<i>For &gt;100, Deduct</i>	-74.45	
10 51 26 00-0086	EA		12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	569.01	35.64
			<i>For &gt;50 To 100, Deduct</i>	-49.77	
			<i>For &gt;100, Deduct</i>	-76.80	
10 51 26 00-0087	EA		12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	597.91	35.64
			<i>For &gt;50 To 100, Deduct</i>	-52.66	
			<i>For &gt;100, Deduct</i>	-81.13	
10 51 26 00-0088	EA		15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	594.38	35.64
			<i>For &gt;50 To 100, Deduct</i>	-52.31	
			<i>For &gt;100, Deduct</i>	-80.60	
10 51 26 00-0089	EA		15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	631.82	35.64
			<i>For &gt;50 To 100, Deduct</i>	-56.05	
			<i>For &gt;100, Deduct</i>	-86.22	
10 51 26 00-0090	EA		15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	643.64	35.64
			<i>For &gt;50 To 100, Deduct</i>	-57.24	
			<i>For &gt;100, Deduct</i>	-87.99	
10 51 26 00-0091	EA		18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	637.77	35.64
			<i>For &gt;50 To 100, Deduct</i>	-56.65	
			<i>For &gt;100, Deduct</i>	-87.11	
10 51 26 00-0092	EA		18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	657.71	35.64
			<i>For &gt;50 To 100, Deduct</i>	-58.64	
			<i>For &gt;100, Deduct</i>	-90.10	
10 51 26 00-0093	EA		18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	715.19	35.64
			<i>For &gt;50 To 100, Deduct</i>	-64.39	
			<i>For &gt;100, Deduct</i>	-98.72	
10 51 26 00-0094	EA		12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	635.13	36.68
			<i>For &gt;50 To 100, Deduct</i>	-56.18	
			<i>For &gt;100, Deduct</i>	-86.46	
10 51 26 00-0095	EA		12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	662.92	36.68
			<i>For &gt;50 To 100, Deduct</i>	-58.95	
			<i>For &gt;100, Deduct</i>	-90.63	
10 51 26 00-0096	EA		12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	666.54	36.68
			<i>For &gt;50 To 100, Deduct</i>	-59.32	
			<i>For &gt;100, Deduct</i>	-91.18	
10 51 26 00-0097	EA		15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	701.57	36.68
			<i>For &gt;50 To 100, Deduct</i>	-62.82	
			<i>For &gt;100, Deduct</i>	-96.43	
10 51 26 00-0098	EA		15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	669.16	36.68
			<i>For &gt;50 To 100, Deduct</i>	-59.58	
			<i>For &gt;100, Deduct</i>	-91.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0099	EA		15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	698.52 -62.51 -95.97	36.68
10 51 26 00-0100	EA		18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	668.04 -59.47 -91.40	36.68
10 51 26 00-0101	EA		18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	703.22 -62.98 -96.68	36.68
10 51 26 00-0102	EA		18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	755.94 -68.26 -104.59	36.68
<b>10 51 26 00-0103 Five Tier Solid Plastic Lockers (10 51 26 00-0001)</b>					
10 51 26 00-0104	EA		12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	600.64 -52.83 -81.42	36.16
10 51 26 00-0105	EA		12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	620.05 -54.77 -84.33	36.16
10 51 26 00-0106	EA		12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	639.46 -56.71 -87.24	36.16
10 51 26 00-0107	EA		15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	627.10 -55.48 -85.39	36.16
10 51 26 00-0108	EA		15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	661.87 -58.95 -90.60	36.16
10 51 26 00-0109	EA		15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	678.70 -60.64 -93.13	36.16
10 51 26 00-0110	EA		18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	672.84 -60.05 -92.25	36.16
10 51 26 00-0111	EA		18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	691.61 -61.93 -95.06	36.16
10 51 26 00-0112	EA		18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	752.60 -68.03 -104.21	36.16
10 51 26 00-0113	EA		12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	654.28 -57.99 -89.21	37.22
10 51 26 00-0114	EA		12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	676.05 -60.16 -92.48	37.22
10 51 26 00-0115	EA		12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	697.80 -62.34 -95.74	37.22
10 51 26 00-0116	EA		15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	690.19 -61.58 -94.60	37.22
10 51 26 00-0117	EA		15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	705.49 -63.11 -96.89	37.22
10 51 26 00-0118	EA		15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	728.42 -65.40 -100.33	37.22
10 51 26 00-0119	EA		18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	710.80 -63.64 -97.69	37.22
10 51 26 00-0120	EA		18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	737.09 -66.27 -101.63	37.22
10 51 26 00-0121	EA		18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	767.59 -69.32 -106.21	37.22
<b>10 51 26 00-0122 Six Tier Solid Plastic Lockers (10 51 26 00-0001)</b>					
10 51 26 00-0123	EA		15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	690.40 -61.70 -94.75	36.68
10 51 26 00-0124	EA		12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	678.30 -60.28 -92.69	37.74
10 51 26 00-0125	EA		12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	700.04 -62.46 -95.95	37.74
10 51 26 00-0126	EA		12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	714.54 -63.91 -98.12	37.74
10 51 26 00-0127	EA		15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) ..... For >50 To 100, Deduct For >100, Deduct	743.52 -66.81 -102.47	37.74

<b>10</b>	<b>10 Specialties</b>
	<b>10 50 Storage Specialties</b>
	<b>10 51 Lockers</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0128	EA		15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	751.99 -67.65 -103.74	37.74
10 51 26 00-0129	EA		15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	758.03 -68.26 -104.65	37.74
10 51 26 00-0130	EA		18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	760.43 -68.50 -105.01	37.74
10 51 26 00-0131	EA		18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	787.01 -71.15 -109.00	37.74
10 51 26 00-0132	EA		18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	822.05 -74.66 -114.25	37.74
10 51 26 00-0133			<b>Solid Plastic Locker Accessories</b> (10 51 26 00-0001)		
10 51 26 00-0134			<b>Slope Tops For Solid Plastic Lockers</b> (10 51 26 00-0133) Note: Price per frame.		
10 51 26 00-0135	EA		Slope Top For Solid Plastic Lockers (Tufftec Lockers®).....	33.49	
10 51 26 00-0136			<b>Recessed Bases For Solid Plastic Lockers</b> (10 51 26 00-0133) Note: Price per frame.		
10 51 26 00-0137	EA		Recessed Base For Solid Plastic Lockers (Tufftec Lockers®).....	36.62	
10 51 26 00-0138			<b>End Panels For Solid Plastic Lockers</b> (10 51 26 00-0133) Note: Price per frame.		
10 51 26 00-0139	EA		End Panel For Solid Plastic Lockers (Tufftec Lockers®).....	82.11	
10 51 26 00-0140			<b>Venting Options For Solid Plastic Locker Doors</b> (10 51 26 00-0133) Note: Price per frame.		
10 51 26 00-0141	EA		Horizontal Venting Option For Solid Plastic Locker Doors .....	31.37	
10 51 26 00-0142			<b>Filler Panels For Solid Plastic Lockers</b> (10 51 26 00-0133)		
10 51 26 00-0143	EA		Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®)..... Note: Full locker height. Width and height cut to size in the field.	88.94	
10 51 26 00-0144			<b>Locker Accessories For Solid Plastic Lockers</b> (10 51 26 00-0133)		
10 51 26 00-0145	EA		Built In Hasp For Solid Plastic Lockers .....	7.84	
			Note: For removable padlocks. Excludes padlock.		
10 51 26 00-0146	EA		Built In Combination Lock For Solid Plastic Lockers .....	23.53	
10 51 26 00-0147	EA		Built In Key Lock For Solid Plastic Lockers.....	31.37	
10 51 53			<b>Locker Room Benches</b> (10 51)		
10 51 53 00-0001	LF		Hardwood Bench With Aluminum Pedestals .....	94.36	5.24
10 51 53 00-0002	LF		Hardwood Bench With Painted Steel Pedestals .....	75.35	5.24
10 51 53 00-0003	LF		Plastic Laminated Bench With Steel Pedestals .....	115.01	5.24
10 51 53 00-0004	LF		Solid Plastic Bench With Steel Pedestals .....	109.92	5.24
10 51 53 00-0005	LF		Aluminum Bench With Aluminum Pedestals .....	85.44	5.24
10 55			<b>Postal Specialties</b> (10 55)		
10 55 23			<b>Mail Boxes</b> (10 55)		
10 55 23 23			<b>Residential Mail Boxes</b> (10 55 23)		
10 55 23 23-0001			<b>Residential Mail Boxes</b> (10 55 23 23)		
10 55 23 23-0002	EA		13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate..... <i>For Stainless Steel Sleeve, Add</i>	86.05 15.14	11.79
10 55 23 23-0003	EA		13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate..... <i>For Stainless Steel Sleeve, Add</i>	109.50 15.14	11.79
10 55 23 23-0004	EA		Aluminum Or Galvanized Wall Mounted Mailbox .....	69.66	10.49
10 55 23 23-0005	EA		20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post .....	106.72	13.10
10 55 23 26			<b>Commercial Mail Boxes</b> (10 55 23)		
10 55 23 26-0001			<b>Commercial Letter Boxes</b> (10 55 23 26) Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0002	EA		15" Wide x 19" High x 7-1/2" Deep, US Postal Service Approved, Surface Mount, Aluminum Letter Box (Salsbury 2240AU).....	287.85	15.73
10 55 23 26-0003	EA		15" Wide x 19" High x 6-3/4" Deep, Private Use/Access, Recessed Mount, Aluminum Letter Box (Salsbury 2245AP).....	331.81	15.73
10 55 23 26-0004			<b>Commercial Horizontal Mail Boxes</b> (10 55 23 26) Note: Includes locks and keys unless provided by the United States Postal Service.		

<b>Specialties</b>	<b>10</b>
<b>Storage Specialties</b>	<b>10 50</b>
<b>Postal Specialties</b>	<b>10 55</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 55 23 26-0005	BOX		5-1/2" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	61.99	15.73
10 55 23 26-0006	BOX		10-3/4" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	129.18	20.96
10 55 23 26-0007	BOX		6-3/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	78.31	13.10
10 55 23 26-0008	BOX		12-7/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	121.96	20.96
<b>10 55 23 26-0009 Commercial Cluster Mail Boxes (10 55 23 26)</b>					
Note: Includes locks and keys unless provided by the United States Postal Service. Includes pedestal. Excludes concrete foundation.					
10 55 23 26-0010	EA		13-15/16" Wide" x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H8MNDCBU5).....	1,458.46	31.45
Note: Any door combination.					
10 55 23 26-0011	EA		26-15/16" Wide x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H16MNDCBU8).....	1,729.98	41.93
Note: Any door combination.					
10 55 23 26-0012	EA		30-1/2" Wide x 62" High x 17-7/8" Deep, 8 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-8).....	2,397.27	41.93
10 55 23 26-0013	EA		30-1/2" Wide x 62" High x 17-7/8" Deep, 12 Tenant Doors, 1 Parcel Locker, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-12).....	2,470.53	41.93
10 55 23 26-0014	EA		30-1/2" Wide x 62" High x 17-7/8" Deep, 16 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-16).....	2,580.42	41.93
<b>10 55 23 26-0015 Commercial 4C Mail Boxes (10 55 23 26)</b>					
Note: Includes locks and keys unless provided by the United States Postal Service.					
10 55 23 26-0016	EA		31-9/16" Wide x 40-3/4" High x 17" Deep, 9 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11S-09).....	1,349.67	41.93
10 55 23 26-0017	EA		31-9/16" Wide x 40-3/4" High x 17" Deep, 15 Doors, 1 Parcel Locker, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-15).....	2,350.50	41.93
10 55 23 26-0018	EA		31-9/16" Wide x 40-3/4" High x 17" Deep, 19 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-19).....	2,438.41	41.93
<b>10 55 26 Parcel Lockers (10 55)</b>					
<b>10 55 26 00-0001 Parcel Lockers (10 55 26)</b>					
10 55 26 00-0002	EA		24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker.....	1,086.76	31.45
Note: Two compartments.					
10 55 26 00-0003	EA		48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker.....	1,294.03	41.93
Note: Two compartments.					
<b>10 56 Storage Assemblies (10 50)</b>					
<b>10 56 13 Metal Storage Shelving (10 56)</b>					
<b>10 56 13 16 Post-And-Shelf Metal Storage Shelving (10 56 13)</b>					
<b>10 56 13 16-0001 Baked Enamel Steel Shelving (10 56 13 16)</b>					
<b>10 56 13 16-0002 7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type (10 56 13 16-0001)</b>					
10 56 13 16-0003	LF		75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf.....	106.55	19.03
				8.97	
For >75" To 87" High, Add					
10 56 13 16-0004	LF		75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf.....	107.23	19.99
				8.94	
For >75" To 87" High, Add					
10 56 13 16-0005	LF		75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf.....	104.13	21.89
				8.48	
For >75" To 87" High, Add					
10 56 13 16-0006	LF		75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf.....	130.43	23.79
				10.98	
For >75" To 87" High, Add					
10 56 13 16-0007	LF		75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf.....	145.72	24.74
				12.37	
For >75" To 87" High, Add					
10 56 13 16-0008	LF		75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf.....	141.45	26.65
				11.81	
For >75" To 87" High, Add					
10 56 13 16-0009	LF		75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf.....	156.61	28.55
				13.18	
For >75" To 87" High, Add					
<b>10 56 13 16-0010 3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed (10 56 13 16-0001)</b>					
Note: Adjustable shelves.					
10 56 13 16-0011	LF		32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf.....	74.78	9.71
10 56 13 16-0012	LF		32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf.....	74.30	10.38
10 56 13 16-0013	LF		32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf.....	83.19	11.04
10 56 13 16-0014	LF		32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf.....	86.62	11.71
10 56 13 16-0015	LF		32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf.....	99.39	12.47
<b>10 56 13 16-0016 4 Shelf Unit, 40" High Unit (10 56 13 16-0001)</b>					
10 56 13 16-0017	LF		40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf.....	88.96	19.03
10 56 13 16-0018	LF		40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf.....	74.02	19.99
10 56 13 16-0019	LF		40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf.....	84.51	21.89
10 56 13 16-0020	LF		40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf.....	89.11	23.79
10 56 13 16-0021	LF		40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf.....	101.23	24.74

**10 Specialties****10 50 Storage Specialties****10 56 Storage Assemblies**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
<b>10 56 16 Fabricated Wood Storage Shelving (10 56)</b>					
10 56 16 00-0001		Shelving (10 56 16)			
10 56 16 00-0002		Built-In Wood Shelving (10 56 16 00-0001)			
Note: Priced by shelf area. Includes hardware and trim.					
10 56 16 00-0003	SF	Built-in Wood Storage Shelving Post And Trimmed Plywood .....	20.36		2.64
		For Each SF Of Lumber Edge Band, Add	0.69		
		For Each SF Of Prefinished Shelves, Add	2.32		
10 56 16 00-0004	SF	Built-in Wood Storage Shelving Post And Solid Clear Pine .....	21.94		3.17
		For Each SF Of Lumber Edge Band, Add	0.69		
		For Each SF Of Prefinished Shelves, Add	2.32		
10 56 16 00-0005	SF	Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod .....	22.22		5.28
		For Each SF Of Lumber Edge Band, Add	0.69		
		For Each SF Of Prefinished Shelves, Add	2.32		
<b>10 56 16 00-0006 Wood Shelving, White Pine, Clear Grade, Wall Mounted (10 56 16 00-0001)</b>					
10 56 16 00-0007	LF	1" x 8" White Pine Clear Grade Wood Shelving .....	16.93		6.35
10 56 16 00-0008	LF	1" x 10" White Pine Clear Grade Wood Shelving .....	18.59		6.77
10 56 16 00-0009	LF	1" x 12" White Pine Clear Grade Wood Shelving .....	20.47		7.30
10 56 16 00-0010	SF	Wood Shelving, 2" White Pine Clear Grade .....	26.62		
<b>10 56 16 00-0011 Plywood Shelf With Edge Band (10 56 16 00-0001)</b>					
10 56 16 00-0012	LF	12" Wide, 3/4" Plywood Shelf With Edge Band .....	20.65		6.35
10 56 16 00-0013	LF	24" Wide, 3/4" Plywood Shelf With Edge Band .....	32.13		7.94
<b>10 56 16 00-0014 Adjustable Shelf And Rod (10 56 16 00-0001)</b>					
10 56 16 00-0015	EA	12" Wide Adjustable Shelf, 3' To 6' Long .....	182.15		23.80
		Note: Including Rod			
10 56 16 00-0016	EA	12" Wide Adjustable Shelf, 5' To 8' Long .....	214.98		31.74
		Note: Including Rod			
<b>10 56 16 00-0017 Prefinished Wood Shelves With Brackets And Supports (10 56 16 00-0001)</b>					
10 56 16 00-0018	LF	Prefinished Wood Shelves, 8" Wide, With Brackets And Supports .....	17.92		6.35
10 56 16 00-0019	LF	Prefinished Wood Shelves, 10" Wide, With Brackets And Supports .....	19.49		6.77
10 56 16 00-0020	SF	Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards .....	62.47		10.58
<b>10 56 16 00-0021 Wood Shelving, Oak, Clear Grade, Wall Mounted (10 56 16 00-0001)</b>					
10 56 16 00-0022	LF	Wood Shelving, 1" X 8" Oak Clear Grade .....	20.23		9.95
<b>10 56 17 Wall-Mounted Standards and Shelving (10 56)</b>					
<b>10 56 17 00-0001 Galvanized Steel, Wall Mounted Solid Shelving (10 56 17)</b>					
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.					
10 56 17 00-0002	LF	8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving .....	66.61		10.48
		For Installation On Concrete Walls, Add	3.00		
		For Installation On Concrete Block Walls, Add	4.29		
10 56 17 00-0003	LF	10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving .....	68.81		10.48
		For Installation On Concrete Walls, Add	3.00		
		For Installation On Concrete Block Walls, Add	4.29		
10 56 17 00-0004	LF	12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving .....	73.92		10.48
		For Installation On Concrete Walls, Add	3.00		
		For Installation On Concrete Block Walls, Add	4.29		
10 56 17 00-0005	LF	16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving .....	80.52		10.48
		For Installation On Concrete Walls, Add	3.00		
		For Installation On Concrete Block Walls, Add	4.29		
10 56 17 00-0006	LF	18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving .....	82.16		10.48
		For Installation On Concrete Walls, Add	3.00		
		For Installation On Concrete Block Walls, Add	4.29		
10 56 17 00-0007	LF	24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving .....	96.30		10.48
		For Installation On Concrete Walls, Add	3.00		
		For Installation On Concrete Block Walls, Add	4.29		
<b>10 56 17 00-0008 304 Stainless Steel, Wall Mounted Solid Shelving (10 56 17)</b>					
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.					
10 56 17 00-0009	LF	8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving .....	106.70		10.48
		For Installation On Concrete Walls, Add	3.00		
		For Installation On Concrete Block Walls, Add	4.29		
10 56 17 00-0010	LF	10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving .....	116.71		10.48
		For Installation On Concrete Walls, Add	3.00		
		For Installation On Concrete Block Walls, Add	4.29		
10 56 17 00-0011	LF	12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving .....	126.76		10.48
		For Installation On Concrete Walls, Add	3.00		
		For Installation On Concrete Block Walls, Add	4.29		
10 56 17 00-0012	LF	16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving .....	149.88		10.48
		For Installation On Concrete Walls, Add	3.00		
		For Installation On Concrete Block Walls, Add	4.29		
10 56 17 00-0013	LF	18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving .....	163.56		10.48
		For Installation On Concrete Walls, Add	3.00		
		For Installation On Concrete Block Walls, Add	4.29		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0014	LF		24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving ..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	183.32 3.00 4.29	10.48
<b>10 56 17 00-0015</b>			<b>Laminated Particleboard, Wall Mounted Solid Shelving</b> <sup>(10 56 17)</sup> Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0016	LF		8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving ..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	45.79 3.00 4.29	10.48
10 56 17 00-0017	LF		10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving ..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	47.29 3.00 4.29	10.48
10 56 17 00-0018	LF		12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving ..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	49.09 3.00 4.29	10.48
10 56 17 00-0019	LF		16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving ..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	51.70 3.00 4.29	10.48
10 56 17 00-0020	LF		18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving ..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	54.87 3.00 4.29	10.48
10 56 17 00-0021	LF		24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving ..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	63.39 3.00 4.29	10.48
<b>10 56 17 00-0022</b>			<b>Chrome Plated Steel, Wall Mounted Wire Shelving</b> <sup>(10 56 17)</sup> Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0023	LF		14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving ..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	65.21 3.00 4.29	10.48
10 56 17 00-0024	LF		18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving ..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	72.92 3.00 4.29	10.48
<b>10 56 17 00-0025</b>			<b>Stainless Steel, Wall Mounted Wire Shelving</b> <sup>(10 56 17)</sup> Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0026	LF		14" Depth, Stainless Steel, Wall Mounted Wire Shelving ..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	148.94 3.00 4.29	10.48
10 56 17 00-0027	LF		18" Depth, Stainless Steel, Wall Mounted Wire Shelving ..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	154.84 3.00 4.29	10.48
<b>10 56 17 00-0028</b>			<b>Prefinished Hardwood Plywood, Wall Mounted Solid Shelving</b> <sup>(10 56 17)</sup> Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0029	LF		8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving ..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	49.26 4.14 5.43	10.48
10 56 17 00-0030	LF		10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving ..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	50.30 4.17 5.46	10.48
10 56 17 00-0031	LF		12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving ..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	50.98 4.19 5.48	10.48
10 56 17 00-0032	LF		16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving ..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	53.41 4.24 5.53	10.48
10 56 17 00-0033	LF		18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving ..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	54.64 4.26 5.55	10.48
10 56 17 00-0034	LF		24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving ..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	58.36 4.34 5.63	10.48
<b>10 56 17 00-0035</b>			<b>Wall Mounted Shelving Accessories</b> <sup>(10 56 17)</sup>		
10 56 17 00-0036	LF		Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit.....	31.16	
<b>10 57</b>			<b>Wardrobe And Closet Specialties</b> <sup>(10 50)</sup>		
<b>10 57 13</b>			<b>Hat And Coat Racks</b> <sup>(10 57)</sup>		
10 57 13 00-0001			Hat And Coat Rack <sup>(10 57 13)</sup>		
10 57 13 00-0002			Single Tier <sup>(10 57 13 00-0001)</sup>		
10 57 13 00-0003	LF		Single Tier Hat And Coat Rack Baked Enameled Steel ..... <i>For Custom Made Units, Add</i>	52.47 23.15	5.24
10 57 13 00-0004	LF		Single Tier Hat And Coat Rack Stainless Steel ..... <i>For Custom Made Units, Add</i>	40.58 16.01	5.24
10 57 13 00-0005	LF		Single Tier Hat And Coat Rack Aluminum ..... <i>For Custom Made Units, Add</i>	92.87 47.39	5.24

**10 Specialties****10 50 Storage Specialties****10 57 Wardrobe And Closet Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 57 13 00-0006			<b>Double Tier</b> <small>(10 57 13 00-0001)</small>		
10 57 13 00-0007	LF		Double Tier Hat And Coat Rack Baked Enameled Steel.....	69.75	5.24
			<i>For Custom Made Units, Add</i>	31.55	
10 57 13 00-0008	LF		Double Tier Hat And Coat Rack Stainless Steel.....	46.20	5.24
			<i>For Custom Made Units, Add</i>	17.42	
10 57 13 00-0009	LF		Double Tier Hat And Coat Rack Aluminum.....	155.38	5.24
			<i>For Custom Made Units, Add</i>	82.92	
<b>10 57 43</b>			<b>Wardrobe Units</b> <small>(10 57)</small>		
10 57 43 00-0001			<b>Dormitory Wardrobe Units</b> <small>(10 57 43)</small>		
10 57 43 00-0002	EA		24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door.....	1,558.69	194.13
			<i>For Custom Made Units, Add</i>	799.33	
10 57 43 00-0003	EA		24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door.....	1,214.89	194.13
			<i>For Custom Made Units, Add</i>	593.05	
10 57 43 00-0004			<b>Wardrobe Units</b> <small>(10 57 43)</small>		
10 57 43 00-0005			<b>Teachers Wardrobe Units</b> <small>(10 57 43 00-0004)</small>		
			Note: Includes shelf, clothes pole and mirror, lockable door and hardware.		
10 57 43 00-0006	CF		Baked Enamel Steel Teacher Wardrobe Unit With Door.....	37.00	3.83
			<i>For Open Wardrobe Units Without Door, Deduct</i>	-3.86	
			<i>For Custom Made Units, Add</i>	16.85	
10 57 43 00-0007	CF		Hardwood Teacher Wardrobe Unit With Door.....	75.41	3.83
			<i>For Open Wardrobe Units Without Door, Deduct</i>	-8.66	
			<i>For Custom Made Units, Add</i>	39.90	
10 57 43 00-0008	CF		Stainless Steel Teacher Wardrobe Unit With Door.....	51.52	3.83
			<i>For Open Wardrobe Units Without Door, Deduct</i>	-5.68	
			<i>For Custom Made Units, Add</i>	25.56	
10 57 43 00-0009	CF		Plastic Laminate Teacher Wardrobe Unit With Door.....	66.46	3.83
			<i>For Open Wardrobe Units Without Door, Deduct</i>	-7.54	
			<i>For Custom Made Units, Add</i>	34.53	
10 57 43 00-0010	CF		Birch Veneer Teacher Wardrobe Unit With Door.....	66.56	3.83
			<i>For Open Wardrobe Units Without Door, Deduct</i>	-7.56	
			<i>For Custom Made Units, Add</i>	34.59	
10 57 43 00-0011	CF		Oak Veneer Teacher Wardrobe Unit With Door.....	92.22	3.83
			<i>For Open Wardrobe Units Without Door, Deduct</i>	-10.76	
			<i>For Custom Made Units, Add</i>	49.98	
10 57 43 00-0012	CF		Walnut Veneer Teacher Wardrobe Unit With Door.....	105.01	3.83
			<i>For Open Wardrobe Units Without Door, Deduct</i>	-12.36	
			<i>For Custom Made Units, Add</i>	57.66	
10 57 43 00-0013			<b>Students Wardrobe Units</b> <small>(10 57 43 00-0004)</small>		
			Note: With continuous shelf, two rows of coat hooks, door and hardware.		
10 57 43 00-0014	CF		Baked Enamel Steel Student Wardrobe Unit With Door.....	35.37	3.83
			<i>For Open Wardrobe Units Without Door, Deduct</i>	-3.66	
			<i>For Custom Made Units, Add</i>	15.87	
10 57 43 00-0015	CF		Hardwood Student Wardrobe Unit With Door.....	70.90	3.83
			<i>For Open Wardrobe Units Without Door, Deduct</i>	-8.10	
			<i>For Custom Made Units, Add</i>	37.19	
10 57 43 00-0016	CF		Stainless Steel Student Wardrobe Unit With Door.....	48.81	3.83
			<i>For Open Wardrobe Units Without Door, Deduct</i>	-5.34	
			<i>For Custom Made Units, Add</i>	23.94	
10 57 43 00-0017	CF		Plastic Laminate Student Wardrobe Unit With Door.....	62.62	3.83
			<i>For Open Wardrobe Units Without Door, Deduct</i>	-7.06	
			<i>For Custom Made Units, Add</i>	32.22	
10 57 43 00-0018	CF		Birch Veneer Student Wardrobe Unit With Door.....	62.72	3.83
			<i>For Open Wardrobe Units Without Door, Deduct</i>	-7.08	
			<i>For Custom Made Units, Add</i>	32.28	
10 57 43 00-0019	CF		Oak Veneer Student Wardrobe Unit With Door.....	86.41	3.83
			<i>For Open Wardrobe Units Without Door, Deduct</i>	-10.04	
			<i>For Custom Made Units, Add</i>	46.50	
10 57 43 00-0020	CF		Walnut Veneer Student Wardrobe Unit With Door.....	98.28	3.83
			<i>For Open Wardrobe Units Without Door, Deduct</i>	-11.52	
			<i>For Custom Made Units, Add</i>	53.62	
10 57 43 00-0021			<b>Materials Cabinet Units</b> <small>(10 57 43 00-0004)</small>		
			Note: With multiple shelves, lockable door and hardware.		
10 57 43 00-0022	CF		Baked Enamel Steel Materials Cabinet Unit With Door.....	37.98	7.65
10 57 43 00-0023	CF		Hardwood Materials Cabinet Unit With Door.....	78.12	7.65
10 57 43 00-0024	CF		Stainless Steel Materials Cabinet Unit With Door.....	53.16	7.65
10 57 43 00-0025	CF		Plastic Laminate Materials Cabinet Unit With Door.....	68.77	7.65
10 57 43 00-0026	CF		Birch Veneer Materials Cabinet Unit With Door.....	68.87	7.65
10 57 43 00-0027	CF		Oak Veneer Materials Cabinet Unit With Door.....	95.68	7.65
10 57 43 00-0028	CF		Walnut Veneer Materials Cabinet Unit With Door.....	109.05	7.65
10 57 43 00-0029			<b>Accessories</b> <small>(10 57 43 00-0004)</small>		
10 57 43 00-0030	EA		Single Prong Wardrobe Closet Hooks.....	42.78	7.86
			Note: Height 1 1/8", Width 1 1/8", satin chrome finish, wall mount, 1" projection.		
10 57 43 00-0031			<b>Movable Wardrobe Racks</b> <small>(10 57 43 00-0004)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 57 43 00-0032 EA 60" Long x 20" Wide, Movable Wardrobe Rack, 54"-74" Adjustable Height.....157.93

10 70 Exterior Specialties <sup>(10)</sup>

10 71 Exterior Protection <sup>(10 70)</sup>

10 71 13 Exterior Sun Control Devices <sup>(10 71)</sup>

10 71 13 13 Exterior Shutters <sup>(10 71 13)</sup>

10 71 13 13-0001 Exterior Shutters, High Impact Resistant Plastic, Unfinished <sup>(10 71 13 13)</sup>

10 71 13 13-0002 Raised Panel Decorative Shutters <sup>(10 71 13 13-0001)</sup>

10 71 13 13-0003	PR 15" x 35" Raised Panel Shutter, High Impact Resistant Plastic .....	118.12	34.86
	<i>For Colored Finish, Add</i>	12.89	
10 71 13 13-0004	PR 15" x 39" Raised Panel Shutter, High Impact Resistant Plastic .....	126.26	36.45
	<i>For Colored Finish, Add</i>	13.98	
10 71 13 13-0005	PR 15" x 43" Raised Panel Shutter, High Impact Resistant Plastic .....	131.82	38.04
	<i>For Colored Finish, Add</i>	14.60	
10 71 13 13-0006	PR 15" x 47" Raised Panel Shutter, High Impact Resistant Plastic .....	140.18	39.61
	<i>For Colored Finish, Add</i>	15.72	
10 71 13 13-0007	PR 15" x 51" Raised Panel Shutter, High Impact Resistant Plastic .....	147.45	41.20
	<i>For Colored Finish, Add</i>	16.65	
10 71 13 13-0008	PR 15" x 55" Raised Panel Shutter, High Impact Resistant Plastic .....	154.32	42.79
	<i>For Colored Finish, Add</i>	17.51	
10 71 13 13-0009	PR 15" x 59" Raised Panel Shutter, High Impact Resistant Plastic .....	163.45	44.37
	<i>For Colored Finish, Add</i>	18.77	
10 71 13 13-0010	PR 15" x 63" Raised Panel Shutter, High Impact Resistant Plastic .....	175.31	45.96
	<i>For Colored Finish, Add</i>	20.53	
10 71 13 13-0011	PR 15" x 67" Raised Panel Shutter, High Impact Resistant Plastic .....	183.79	47.53
	<i>For Colored Finish, Add</i>	21.67	
10 71 13 13-0012	PR 15" x 71" Raised Panel Shutter, High Impact Resistant Plastic .....	193.26	49.12
	<i>For Colored Finish, Add</i>	23.00	
10 71 13 13-0013	PR 15" x 75" Raised Panel Shutter, High Impact Resistant Plastic .....	196.80	50.71
	<i>For Colored Finish, Add</i>	23.25	
10 71 13 13-0014	PR 15" x 81" Raised Panel Shutter, High Impact Resistant Plastic .....	203.80	52.29
	<i>For Colored Finish, Add</i>	24.13	

10 71 13 13-0015 Louvered Decorative Shutters <sup>(10 71 13 13-0001)</sup>

10 71 13 13-0016	PR 15" x 25" Louvered Shutter, High Impact Resistant Plastic .....	86.51	31.69
	<i>For Colored Finish, Add</i>	7.97	
10 71 13 13-0017	PR 15" x 31" Louvered Shutter, High Impact Resistant Plastic .....	93.39	33.28
	<i>For Colored Finish, Add</i>	8.82	
10 71 13 13-0018	PR 15" x 36" Louvered Shutter, High Impact Resistant Plastic .....	100.30	34.86
	<i>For Colored Finish, Add</i>	9.69	
10 71 13 13-0019	PR 15" x 39" Louvered Shutter, High Impact Resistant Plastic .....	106.64	36.45
	<i>For Colored Finish, Add</i>	10.45	
10 71 13 13-0020	PR 15" x 43" Louvered Shutter, High Impact Resistant Plastic .....	113.75	38.04
	<i>For Colored Finish, Add</i>	11.35	
10 71 13 13-0021	PR 15" x 48" Louvered Shutter, High Impact Resistant Plastic .....	121.14	39.61
	<i>For Colored Finish, Add</i>	12.30	
10 71 13 13-0022	PR 15" x 52" Louvered Shutter, High Impact Resistant Plastic .....	126.37	41.20
	<i>For Colored Finish, Add</i>	12.86	
10 71 13 13-0023	PR 15" x 55" Louvered Shutter, High Impact Resistant Plastic .....	132.09	42.79
	<i>For Colored Finish, Add</i>	13.51	
10 71 13 13-0024	PR 15" x 60" Louvered Shutter, High Impact Resistant Plastic .....	139.58	44.37
	<i>For Colored Finish, Add</i>	14.48	
10 71 13 13-0025	PR 15" x 64" Louvered Shutter, High Impact Resistant Plastic .....	149.39	45.96
	<i>For Colored Finish, Add</i>	15.86	
10 71 13 13-0026	PR 15" x 67" Louvered Shutter, High Impact Resistant Plastic .....	154.37	47.53
	<i>For Colored Finish, Add</i>	16.38	
10 71 13 13-0027	PR 15" x 72" Louvered Shutter, High Impact Resistant Plastic .....	166.52	49.12
	<i>For Colored Finish, Add</i>	18.19	
10 71 13 13-0028	PR 15" x 75" Louvered Shutter, High Impact Resistant Plastic .....	171.46	50.71
	<i>For Colored Finish, Add</i>	18.69	
10 71 13 13-0029	PR 15" x 80" Louvered Shutter, High Impact Resistant Plastic .....	180.13	52.29
	<i>For Colored Finish, Add</i>	19.87	

10 71 13 13-0030 Exterior Spanish Cedar Shutters <sup>(10 71 13 13)</sup>

10 71 13 13-0031 12" Width <sup>(10 71 13 13-0030)</sup>

10 71 13 13-0032	PR 12" x 36" Spanish Cedar Raised Panel Or Louvered Shutter .....	383.88	31.69
	<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0033	PR 12" x 42" Spanish Cedar Raised Panel Or Louvered Shutter .....	414.89	34.86
	<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0034	PR 12" x 48" Spanish Cedar Raised Panel Or Louvered Shutter .....	443.80	36.45
	<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0035	PR 12" x 54" Spanish Cedar Raised Panel Or Louvered Shutter .....	474.82	39.61
	<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0036	PR 12" x 60" Spanish Cedar Raised Panel Or Louvered Shutter .....	503.73	41.20
	<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0037	PR 12" x 66" Spanish Cedar Raised Panel Or Louvered Shutter .....	536.98	44.37
	<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0038	PR 12" x 72" Spanish Cedar Raised Panel Or Louvered Shutter .....	565.88	45.96
	<i>For Arched Tops, Add</i>	150.00	

**10 Specialties**  
**10 70 Exterior Specialties**  
**10 71 Exterior Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13	13-0039	PR	12" x 78" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	594.80 150.00	47.53
10 71 13	13-0040	PR	12" x 84" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	625.81 150.00	50.71
<b>10 71 13 13-0041 14" Width</b> <small>(10 71 13 13-0030)</small>					
10 71 13	13-0042	PR	14" x 36" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	406.21 150.00	31.69
10 71 13	13-0043	PR	14" x 42" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	441.69 150.00	34.86
10 71 13	13-0044	PR	14" x 48" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	475.06 150.00	36.45
10 71 13	13-0045	PR	14" x 54" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	510.54 150.00	39.61
10 71 13	13-0046	PR	14" x 60" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	543.92 150.00	41.20
10 71 13	13-0047	PR	14" x 66" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	579.40 150.00	44.37
10 71 13	13-0048	PR	14" x 72" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	612.77 150.00	45.96
10 71 13	13-0049	PR	14" x 78" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	643.92 150.00	47.53
10 71 13	13-0050	PR	14" x 84" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	679.40 150.00	50.71
<b>10 71 13 13-0051 16" Width</b> <small>(10 71 13 13-0030)</small>					
10 71 13	13-0052	PR	16" x 36" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	430.77 150.00	31.69
10 71 13	13-0053	PR	16" x 42" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	468.48 150.00	34.86
10 71 13	13-0054	PR	16" x 48" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	506.32 150.00	36.45
10 71 13	13-0055	PR	16" x 54" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	544.04 150.00	39.61
10 71 13	13-0056	PR	16" x 60" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	581.88 150.00	41.20
10 71 13	13-0057	PR	16" x 66" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	621.83 150.00	44.37
10 71 13	13-0058	PR	16" x 72" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	657.43 150.00	45.96
10 71 13	13-0059	PR	16" x 78" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	695.27 150.00	47.53
10 71 13	13-0060	PR	16" x 84" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	735.22 150.00	50.71
<b>10 71 13 13-0061 18" Width</b> <small>(10 71 13 13-0030)</small>					
10 71 13	13-0062	PR	18" x 36" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	453.10 150.00	31.69
10 71 13	13-0063	PR	18" x 42" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	495.28 150.00	34.86
10 71 13	13-0064	PR	18" x 48" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	537.58 150.00	36.45
10 71 13	13-0065	PR	18" x 54" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	579.76 150.00	39.61
10 71 13	13-0066	PR	18" x 60" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	619.83 150.00	41.20
10 71 13	13-0067	PR	18" x 66" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	664.25 150.00	44.37
10 71 13	13-0068	PR	18" x 72" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	704.32 150.00	45.96
10 71 13	13-0069	PR	18" x 78" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	746.63 150.00	47.53
10 71 13	13-0070	PR	18" x 84" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	788.80 150.00	50.71
<b>10 71 13 13-0071 20" Width</b> <small>(10 71 13 13-0030)</small>					
10 71 13	13-0072	PR	20" x 36" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	475.42 150.00	31.69
10 71 13	13-0073	PR	20" x 42" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	522.07 150.00	34.86
10 71 13	13-0074	PR	20" x 48" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	566.61 150.00	36.45
10 71 13	13-0075	PR	20" x 54" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	615.49 150.00	39.61
10 71 13	13-0076	PR	20" x 60" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	660.03 150.00	41.20
10 71 13	13-0077	PR	20" x 66" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	706.67 150.00	44.37
10 71 13	13-0078	PR	20" x 72" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	751.21 150.00	45.96
10 71 13	13-0079	PR	20" x 78" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	795.75 150.00	47.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0080	PR		20" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	842.39 150.00	50.71
<b>10 71 13 13-0081</b>			<b>Heavy Duty Exterior True Louver Shutters, Western Red Cedar</b> <small>(10 71 13 13)</small>		
<b>10 71 13 13-0082</b>			<b>12" Width</b> <small>(10 71 13 13-0081)</small>		
10 71 13 13-0083	PR		12" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	335.64 150.00	31.69
10 71 13 13-0084	PR		12" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	357.28 150.00	33.28
10 71 13 13-0085	PR		12" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	388.70 150.00	34.86
10 71 13 13-0086	PR		12" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	410.33 150.00	36.45
10 71 13 13-0087	PR		12" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	441.74 150.00	38.04
10 71 13 13-0088	PR		12" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	473.14 150.00	39.61
10 71 13 13-0089	PR		12" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	494.79 150.00	41.20
10 71 13 13-0090	PR		12" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	526.18 150.00	42.79
10 71 13 13-0091	PR		12" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	557.60 150.00	44.37
10 71 13 13-0092	PR		12" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	589.00 150.00	45.96
10 71 13 13-0093	PR		12" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	610.65 150.00	47.53
10 71 13 13-0094	PR		12" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	642.04 150.00	49.12
10 71 13 13-0095	PR		12" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	663.69 150.00	50.71
<b>10 71 13 13-0096</b>			<b>14" Width</b> <small>(10 71 13 13-0081)</small>		
10 71 13 13-0097	PR		14" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	375.24 150.00	31.69
10 71 13 13-0098	PR		14" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	400.14 150.00	33.28
10 71 13 13-0099	PR		14" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	436.42 150.00	34.86
10 71 13 13-0100	PR		14" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	461.33 150.00	36.45
10 71 13 13-0101	PR		14" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	497.61 150.00	38.04
10 71 13 13-0102	PR		14" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	533.90 150.00	39.61
10 71 13 13-0103	PR		14" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	558.80 150.00	41.20
10 71 13 13-0104	PR		14" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	595.08 150.00	42.79
10 71 13 13-0105	PR		14" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	631.37 150.00	44.37
10 71 13 13-0106	PR		14" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	667.66 150.00	45.96
10 71 13 13-0107	PR		14" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	692.56 150.00	47.53
10 71 13 13-0108	PR		14" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	728.84 150.00	49.12
10 71 13 13-0109	PR		14" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	753.73 150.00	50.71
<b>10 71 13 13-0110</b>			<b>15" Width</b> <small>(10 71 13 13-0081)</small>		
10 71 13 13-0111	PR		15" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	395.04 150.00	31.69
10 71 13 13-0112	PR		15" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	421.57 150.00	33.28
10 71 13 13-0113	PR		15" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	460.29 150.00	34.86
10 71 13 13-0114	PR		15" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	486.82 150.00	36.45
10 71 13 13-0115	PR		15" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	525.55 150.00	38.04
10 71 13 13-0116	PR		15" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	564.28 150.00	39.61
10 71 13 13-0117	PR		15" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	590.81 150.00	41.20
10 71 13 13-0118	PR		15" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	629.52 150.00	42.79
10 71 13 13-0119	PR		15" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	668.26 150.00	44.37
10 71 13 13-0120	PR		15" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	706.99 150.00	45.96
10 71 13 13-0121	PR		15" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	733.52 150.00	47.53

**10 Specialties****10 70 Exterior Specialties****10 71 Exterior Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0122	PR		15" x 80" Louver Shutter, Heavy Duty Red Cedar..... <i>For Arched Tops, Add</i>	772.23 150.00	49.12
10 71 13 13-0123	PR		15" x 83" Louver Shutter, Heavy Duty Red Cedar..... <i>For Arched Tops, Add</i>	798.76 150.00	50.71
<b>10 71 13 13-0124</b>			<b>16" Width</b> <small>(10 71 13 13-0081)</small>		
10 71 13 13-0125	PR		16" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	414.84 150.00	31.69
10 71 13 13-0126	PR		16" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	436.21 150.00	33.28
10 71 13 13-0127	PR		16" x 44" Louver Shutter, Heavy Duty Red Cedar..... <i>For Arched Tops, Add</i>	484.16 150.00	34.86
10 71 13 13-0128	PR		16" x 47" Louver Shutter, Heavy Duty Red Cedar..... <i>For Arched Tops, Add</i>	512.32 150.00	36.45
10 71 13 13-0129	PR		16" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	553.49 150.00	38.04
10 71 13 13-0130	PR		16" x 56" Louver Shutter, Heavy Duty Red Cedar..... <i>For Arched Tops, Add</i>	594.65 150.00	39.61
10 71 13 13-0131	PR		16" x 59" Louver Shutter, Heavy Duty Red Cedar..... <i>For Arched Tops, Add</i>	622.81 150.00	41.20
10 71 13 13-0132	PR		16" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	663.97 150.00	42.79
10 71 13 13-0133	PR		16" x 68" Louver Shutter, Heavy Duty Red Cedar..... <i>For Arched Tops, Add</i>	705.15 150.00	44.37
10 71 13 13-0134	PR		16" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	746.32 150.00	45.96
10 71 13 13-0135	PR		16" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	774.47 150.00	47.53
10 71 13 13-0136	PR		16" x 80" Louver Shutter, Heavy Duty Red Cedar..... <i>For Arched Tops, Add</i>	815.63 150.00	49.12
10 71 13 13-0137	PR		16" x 83" Louver Shutter, Heavy Duty Red Cedar..... <i>For Arched Tops, Add</i>	843.78 150.00	50.71
<b>10 71 13 13-0138</b>			<b>18" Width</b> <small>(10 71 13 13-0081)</small>		
10 71 13 13-0139	PR		18" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	454.44 150.00	31.69
10 71 13 13-0140	PR		18" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	485.85 150.00	33.28
10 71 13 13-0141	PR		18" x 44" Louver Shutter, Heavy Duty Red Cedar..... <i>For Arched Tops, Add</i>	531.90 150.00	34.86
10 71 13 13-0142	PR		18" x 47" Louver Shutter, Heavy Duty Red Cedar..... <i>For Arched Tops, Add</i>	563.31 150.00	36.45
10 71 13 13-0143	PR		18" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	609.36 150.00	38.04
10 71 13 13-0144	PR		18" x 56" Louver Shutter, Heavy Duty Red Cedar..... <i>For Arched Tops, Add</i>	655.41 150.00	39.61
10 71 13 13-0145	PR		18" x 59" Louver Shutter, Heavy Duty Red Cedar..... <i>For Arched Tops, Add</i>	686.82 150.00	41.20
10 71 13 13-0146	PR		18" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	732.86 150.00	42.79
10 71 13 13-0147	PR		18" x 68" Louver Shutter, Heavy Duty Red Cedar..... <i>For Arched Tops, Add</i>	778.92 150.00	44.37
10 71 13 13-0148	PR		18" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	824.97 150.00	45.96
10 71 13 13-0149	PR		18" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	856.39 150.00	47.53
10 71 13 13-0150	PR		18" x 80" Louver Shutter, Heavy Duty Red Cedar..... <i>For Arched Tops, Add</i>	902.43 150.00	49.12
10 71 13 13-0151	PR		18" x 83" Louver Shutter, Heavy Duty Red Cedar..... <i>For Arched Tops, Add</i>	933.83 150.00	50.71
<b>10 71 13 13-0152</b>			<b>Exterior Cypress Fixed Louver Wood Shutters</b> <small>(10 71 13 13)</small>		
<b>10 71 13 13-0153</b>			<b>6" Through 8" Width</b> <small>(10 71 13 13-0152)</small>		
10 71 13 13-0154	PR		6" Thru 8" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter..... <i>For Arched Tops, Add</i>	414.75 65.00	30.11
10 71 13 13-0155	PR		6" Thru 8" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter ..... <i>For Arched Tops, Add</i>	465.68 65.00	30.96
10 71 13 13-0156	PR		6" Thru 8" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter ..... <i>For Arched Tops, Add</i>	516.75 65.00	31.69
10 71 13 13-0157	PR		6" Thru 8" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter ..... <i>For Arched Tops, Add</i>	568.80 65.00	33.28
10 71 13 13-0158	PR		6" Thru 8" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter ..... <i>For Arched Tops, Add</i>	620.87 65.00	34.86
10 71 13 13-0159	PR		6" Thru 8" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter ..... <i>For Arched Tops, Add</i>	672.92 65.00	36.45
10 71 13 13-0160	PR		6" Thru 8" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter ..... <i>For Arched Tops, Add</i>	724.97 65.00	38.04
10 71 13 13-0161	PR		6" Thru 8" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter ..... <i>For Arched Tops, Add</i>	777.03 65.00	39.61
10 71 13 13-0162	PR		6" Thru 8" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter ..... <i>For Arched Tops, Add</i>	829.11 65.00	41.20
10 71 13 13-0163	PR		6" Thru 8" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter ..... <i>For Arched Tops, Add</i>	881.14 65.00	42.79

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13	13-0164	PR 6" Thru 8" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	933.21 65.00	44.37
10 71	13	13-0165	PR 6" Thru 8" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	985.27 65.00	45.96
10 71	13	13-0166	PR 6" Thru 8" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,037.34 65.00	47.53
10 71	13	13-0167	PR 6" Thru 8" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,089.40 65.00	49.12
<b>10 71 13 13-0168 10" Through 12" Width</b> <small>(10 71 13 13-0152)</small>					
10 71	13	13-0169	PR 10" Thru 12" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	480.85 65.00	30.11
10 71	13	13-0170	PR 10" Thru 12" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	540.66 65.00	30.96
10 71	13	13-0171	PR 10" Thru 12" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	600.49 65.00	31.69
10 71	13	13-0172	PR 10" Thru 12" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	661.36 65.00	33.28
10 71	13	13-0173	PR 10" Thru 12" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	722.22 65.00	34.86
10 71	13	13-0174	PR 10" Thru 12" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	783.11 65.00	36.45
10 71	13	13-0175	PR 10" Thru 12" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	843.99 65.00	38.04
10 71	13	13-0176	PR 10" Thru 12" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	904.84 65.00	39.61
10 71	13	13-0177	PR 10" Thru 12" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	965.73 65.00	41.20
10 71	13	13-0178	PR 10" Thru 12" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,026.60 65.00	42.79
10 71	13	13-0179	PR 10" Thru 12" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,087.46 65.00	44.37
10 71	13	13-0180	PR 10" Thru 12" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,148.34 65.00	45.96
10 71	13	13-0181	PR 10" Thru 12" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,209.21 65.00	47.53
10 71	13	13-0182	PR 10" Thru 12" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,270.08 65.00	49.12
<b>10 71 13 13-0183 14" Through 16" Width</b> <small>(10 71 13 13-0152)</small>					
10 71	13	13-0184	PR 14" Thru 16" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	627.75 65.00	30.11
10 71	13	13-0185	PR 14" Thru 16" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	707.16 65.00	30.96
10 71	13	13-0186	PR 14" Thru 16" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	786.55 65.00	31.69
10 71	13	13-0187	PR 14" Thru 16" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	867.01 65.00	33.28
10 71	13	13-0188	PR 14" Thru 16" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	947.47 65.00	34.86
10 71	13	13-0189	PR 14" Thru 16" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,027.94 65.00	36.45
10 71	13	13-0190	PR 14" Thru 16" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,108.40 65.00	38.04
10 71	13	13-0191	PR 14" Thru 16" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,188.86 65.00	39.61
10 71	13	13-0192	PR 14" Thru 16" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,190.98 65.00	41.20
10 71	13	13-0193	PR 14" Thru 16" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,349.78 65.00	42.79
10 71	13	13-0194	PR 14" Thru 16" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,430.25 65.00	44.37
10 71	13	13-0195	PR 14" Thru 16" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,510.68 65.00	45.96
10 71	13	13-0196	PR 14" Thru 16" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,591.15 65.00	47.53
10 71	13	13-0197	PR 14" Thru 16" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,671.60 65.00	49.12
<b>10 71 13 13-0198 18" Through 20" Width</b> <small>(10 71 13 13-0152)</small>					
10 71	13	13-0199	PR 18" Thru 20" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	701.19 65.00	30.11
10 71	13	13-0200	PR 18" Thru 20" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	790.40 65.00	30.96
10 71	13	13-0201	PR 18" Thru 20" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	879.59 65.00	31.69
10 71	13	13-0202	PR 18" Thru 20" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	969.03 65.00	33.28
10 71	13	13-0203	PR 18" Thru 20" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,060.09 65.00	34.86
10 71	13	13-0204	PR 18" Thru 20" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,150.36 65.00	36.45
10 71	13	13-0205	PR 18" Thru 20" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,240.60 65.00	38.04

**10 Specialties**  
**10 70 Exterior Specialties**  
**10 71 Exterior Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0206	PR		18" Thru 20" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,330.86 65.00	39.61
10 71 13 13-0207	PR		18" Thru 20" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,421.11 65.00	41.20
10 71 13 13-0208	PR		18" Thru 20" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,511.37 65.00	42.79
10 71 13 13-0209	PR		18" Thru 20" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,601.62 65.00	44.37
10 71 13 13-0210	PR		18" Thru 20" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,691.88 65.00	45.96
10 71 13 13-0211	PR		18" Thru 20" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,782.13 65.00	47.53
10 71 13 13-0212	PR		18" Thru 20" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,872.38 65.00	49.12
<b>10 71 13 13-0213 22" Through 24" Width (10 71 13 13-0152)</b>					
10 71 13 13-0214	PR		22" Thru 24" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	921.55 65.00	30.11
10 71 13 13-0215	PR		22" Thru 24" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,040.12 65.00	30.96
10 71 13 13-0216	PR		22" Thru 24" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,158.72 65.00	31.69
10 71 13 13-0217	PR		22" Thru 24" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,278.34 65.00	33.28
10 71 13 13-0218	PR		22" Thru 24" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,397.96 65.00	34.86
10 71 13 13-0219	PR		22" Thru 24" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,517.62 65.00	36.45
10 71 13 13-0220	PR		22" Thru 24" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,637.24 65.00	38.04
10 71 13 13-0221	PR		22" Thru 24" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,756.87 65.00	39.61
10 71 13 13-0222	PR		22" Thru 24" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,876.52 65.00	41.20
10 71 13 13-0223	PR		22" Thru 24" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,996.13 65.00	42.79
10 71 13 13-0224	PR		22" Thru 24" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,115.77 65.00	44.37
10 71 13 13-0225	PR		22" Thru 24" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,235.41 65.00	45.96
10 71 13 13-0226	PR		22" Thru 24" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,355.05 65.00	47.53
10 71 13 13-0227	PR		22" Thru 24" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,474.66 65.00	49.12
<b>10 71 13 13-0228 26" Through 28" Width (10 71 13 13-0152)</b>					
10 71 13 13-0229	PR		26" Thru 28" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,053.75 65.00	30.11
10 71 13 13-0230	PR		26" Thru 28" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,189.96 65.00	30.96
10 71 13 13-0231	PR		26" Thru 28" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,326.18 65.00	31.69
10 71 13 13-0232	PR		26" Thru 28" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,463.44 65.00	33.28
10 71 13 13-0233	PR		26" Thru 28" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,600.69 65.00	34.86
10 71 13 13-0234	PR		26" Thru 28" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,737.97 65.00	36.45
10 71 13 13-0235	PR		26" Thru 28" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,875.23 65.00	38.04
10 71 13 13-0236	PR		26" Thru 28" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,012.48 65.00	39.61
10 71 13 13-0237	PR		26" Thru 28" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,149.77 65.00	41.20
10 71 13 13-0238	PR		26" Thru 28" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,286.99 65.00	42.79
10 71 13 13-0239	PR		26" Thru 28" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,424.26 65.00	44.37
10 71 13 13-0240	PR		26" Thru 28" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,561.53 65.00	45.96
10 71 13 13-0241	PR		26" Thru 28" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,698.79 65.00	47.53
10 71 13 13-0242	PR		26" Thru 28" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,836.02 65.00	49.12
<b>10 71 13 13-0243 Pine Louvered Shutters (10 71 13 13)</b>					
<b>10 71 13 13-0244 12" Width (10 71 13 13-0243)</b>					
10 71 13 13-0245	PR		12" x 35" Pine Louvered Shutter <i>For Arched Tops, Add</i>	243.42 65.00	31.69
10 71 13 13-0246	PR		12" x 39" Pine Louvered Shutter <i>For Arched Tops, Add</i>	254.06 65.00	33.28
10 71 13 13-0247	PR		12" x 43" Pine Louvered Shutter <i>For Arched Tops, Add</i>	264.57 65.00	34.86

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0248	PR		12" x 47" Pine Louvered Shutter <i>For Arched Tops, Add</i>	275.14 65.00	36.45
10 71 13 13-0249	PR		12" x 51" Pine Louvered Shutter <i>For Arched Tops, Add</i>	285.67 65.00	38.04
10 71 13 13-0250	PR		12" x 55" Pine Louvered Shutter <i>For Arched Tops, Add</i>	296.23 65.00	39.61
10 71 13 13-0251	PR		12" x 59" Pine Louvered Shutter <i>For Arched Tops, Add</i>	306.83 65.00	41.20
10 71 13 13-0252	PR		12" x 63" Pine Louvered Shutter <i>For Arched Tops, Add</i>	317.45 65.00	42.79
10 71 13 13-0253	PR		12" x 67" Pine Louvered Shutter <i>For Arched Tops, Add</i>	328.02 65.00	44.37
10 71 13 13-0254	PR		12" x 71" Pine Louvered Shutter <i>For Arched Tops, Add</i>	338.61 65.00	45.96
10 71 13 13-0255	PR		12" x 75" Pine Louvered Shutter <i>For Arched Tops, Add</i>	349.18 65.00	47.53
<b>10 71 13 13-0256 14" Width</b> <small>(10 71 13 13-0243)</small>					
10 71 13 13-0257	PR		14" x 35" Pine Louvered Shutter <i>For Arched Tops, Add</i>	267.72 65.00	31.69
10 71 13 13-0258	PR		14" x 39" Pine Louvered Shutter <i>For Arched Tops, Add</i>	279.46 65.00	33.28
10 71 13 13-0259	PR		14" x 43" Pine Louvered Shutter <i>For Arched Tops, Add</i>	291.02 65.00	34.86
10 71 13 13-0260	PR		14" x 47" Pine Louvered Shutter <i>For Arched Tops, Add</i>	302.70 65.00	36.45
10 71 13 13-0261	PR		14" x 51" Pine Louvered Shutter <i>For Arched Tops, Add</i>	314.28 65.00	38.04
10 71 13 13-0262	PR		14" x 55" Pine Louvered Shutter <i>For Arched Tops, Add</i>	325.84 65.00	39.61
10 71 13 13-0263	PR		14" x 59" Pine Louvered Shutter <i>For Arched Tops, Add</i>	337.50 65.00	41.20
10 71 13 13-0264	PR		14" x 63" Pine Louvered Shutter <i>For Arched Tops, Add</i>	349.14 65.00	42.79
10 71 13 13-0265	PR		14" x 67" Pine Louvered Shutter <i>For Arched Tops, Add</i>	360.73 65.00	44.37
10 71 13 13-0266	PR		14" x 71" Pine Louvered Shutter <i>For Arched Tops, Add</i>	372.35 65.00	45.96
10 71 13 13-0267	PR		14" x 75" Pine Louvered Shutter <i>For Arched Tops, Add</i>	384.03 65.00	47.53
<b>10 71 13 13-0268 15" Width</b> <small>(10 71 13 13-0243)</small>					
10 71 13 13-0269	PR		15" x 35" Pine Louvered Shutter <i>For Arched Tops, Add</i>	279.59 65.00	31.69
10 71 13 13-0270	PR		15" x 39" Pine Louvered Shutter <i>For Arched Tops, Add</i>	291.73 65.00	33.28
10 71 13 13-0271	PR		15" x 43" Pine Louvered Shutter <i>For Arched Tops, Add</i>	303.93 65.00	34.86
10 71 13 13-0272	PR		15" x 47" Pine Louvered Shutter <i>For Arched Tops, Add</i>	316.04 65.00	36.45
10 71 13 13-0273	PR		15" x 51" Pine Louvered Shutter <i>For Arched Tops, Add</i>	328.20 65.00	38.04
10 71 13 13-0274	PR		15" x 55" Pine Louvered Shutter <i>For Arched Tops, Add</i>	340.35 65.00	39.61
10 71 13 13-0275	PR		15" x 59" Pine Louvered Shutter <i>For Arched Tops, Add</i>	352.53 65.00	41.20
10 71 13 13-0276	PR		15" x 63" Pine Louvered Shutter <i>For Arched Tops, Add</i>	364.64 65.00	42.79
10 71 13 13-0277	PR		15" x 67" Pine Louvered Shutter <i>For Arched Tops, Add</i>	376.77 65.00	44.37
10 71 13 13-0278	PR		15" x 71" Pine Louvered Shutter <i>For Arched Tops, Add</i>	388.90 65.00	45.96
10 71 13 13-0279	PR		15" x 75" Pine Louvered Shutter <i>For Arched Tops, Add</i>	401.08 65.00	47.53
10 71 13 13-0280	PR		15" x 81" Pine Louvered Shutter <i>For Arched Tops, Add</i>	418.23 65.00	49.12
<b>10 71 13 13-0281 16" Width</b> <small>(10 71 13 13-0243)</small>					
10 71 13 13-0282	PR		16" x 35" Pine Louvered Shutter <i>For Arched Tops, Add</i>	290.89 65.00	31.69
10 71 13 13-0283	PR		16" x 39" Pine Louvered Shutter <i>For Arched Tops, Add</i>	304.01 65.00	33.28
10 71 13 13-0284	PR		16" x 43" Pine Louvered Shutter <i>For Arched Tops, Add</i>	317.24 65.00	34.86
10 71 13 13-0285	PR		16" x 47" Pine Louvered Shutter <i>For Arched Tops, Add</i>	330.43 65.00	36.45
10 71 13 13-0286	PR		16" x 51" Pine Louvered Shutter <i>For Arched Tops, Add</i>	343.64 65.00	38.04
10 71 13 13-0287	PR		16" x 55" Pine Louvered Shutter <i>For Arched Tops, Add</i>	356.83 65.00	39.61
10 71 13 13-0288	PR		16" x 59" Pine Louvered Shutter <i>For Arched Tops, Add</i>	369.96 65.00	41.20
10 71 13 13-0289	PR		16" x 63" Pine Louvered Shutter <i>For Arched Tops, Add</i>	383.18 65.00	42.79

**10 Specialties**  
**10 70 Exterior Specialties**  
**10 71 Exterior Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0290	PR		16" x 67" Pine Louvered Shutter ..... <i>For Arched Tops, Add</i>	396.37 65.00	44.37
10 71 13 13-0291	PR		16" x 71" Pine Louvered Shutter ..... <i>For Arched Tops, Add</i>	409.58 65.00	45.96
10 71 13 13-0292	PR		16" x 75" Pine Louvered Shutter ..... <i>For Arched Tops, Add</i>	422.77 65.00	47.53
10 71 13 13-0293	PR		16" x 81" Pine Louvered Shutter ..... <i>For Arched Tops, Add</i>	435.88 65.00	49.12
<b>10 71 13 13-0294</b>			<b>18" Width</b> <small>(10 71 13 13-0243)</small>		
10 71 13 13-0295	PR		18" x 35" Pine Louvered Shutter ..... <i>For Arched Tops, Add</i>	315.75 65.00	31.69
10 71 13 13-0296	PR		18" x 39" Pine Louvered Shutter ..... <i>For Arched Tops, Add</i>	332.60 65.00	33.28
10 71 13 13-0297	PR		18" x 47" Pine Louvered Shutter ..... <i>For Arched Tops, Add</i>	361.72 65.00	36.45
10 71 13 13-0298	PR		18" x 55" Pine Louvered Shutter ..... <i>For Arched Tops, Add</i>	390.89 65.00	39.61
10 71 13 13-0299	PR		18" x 63" Pine Louvered Shutter ..... <i>For Arched Tops, Add</i>	420.04 65.00	42.79
10 71 13 13-0300	PR		18" x 75" Pine Louvered Shutter ..... <i>For Arched Tops, Add</i>	482.49 65.00	47.53
10 71 13 13-0301	PR		18" x 81" Pine Louvered Shutter ..... <i>For Arched Tops, Add</i>	500.19 65.00	49.12
<b>10 71 13 13-0302</b>			<b>Exterior Cedar Board N' Batten Wood Shutters</b> <small>(10 71 13 13)</small>		
<b>10 71 13 13-0303</b>			<b>8" Through 14" Width</b> <small>(10 71 13 13-0302)</small>		
10 71 13 13-0304	PR		8" Thru 14" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	471.65 65.00	30.11
10 71 13 13-0305	PR		8" Thru 14" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	616.54 65.00	30.96
10 71 13 13-0306	PR		8" Thru 14" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	617.60 65.00	31.69
10 71 13 13-0307	PR		8" Thru 14" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	763.55 65.00	33.28
10 71 13 13-0308	PR		8" Thru 14" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	765.67 65.00	34.86
10 71 13 13-0309	PR		8" Thru 14" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	767.77 65.00	36.45
10 71 13 13-0310	PR		8" Thru 14" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	913.73 65.00	38.04
10 71 13 13-0311	PR		8" Thru 14" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	915.84 65.00	39.61
10 71 13 13-0312	PR		8" Thru 14" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	917.96 65.00	41.20
10 71 13 13-0313	PR		8" Thru 14" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,063.89 65.00	42.79
10 71 13 13-0314	PR		8" Thru 14" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,066.01 65.00	44.37
10 71 13 13-0315	PR		8" Thru 14" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,211.96 65.00	45.96
10 71 13 13-0316	PR		8" Thru 14" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,214.08 65.00	47.53
10 71 13 13-0317	PR		8" Thru 14" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,216.18 65.00	49.12
10 71 13 13-0318	PR		8" Thru 14" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,218.30 65.00	50.71
<b>10 71 13 13-0319</b>			<b>15" Through 16" Width</b> <small>(10 71 13 13-0302)</small>		
10 71 13 13-0320	PR		15" Thru 16" Width x Through 30" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	615.48 65.00	30.11
10 71 13 13-0321	PR		15" Thru 16" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	616.54 65.00	30.96
10 71 13 13-0322	PR		15" Thru 16" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	761.44 65.00	31.69
10 71 13 13-0323	PR		15" Thru 16" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	763.55 65.00	33.28
10 71 13 13-0324	PR		15" Thru 16" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	909.50 65.00	34.86
10 71 13 13-0325	PR		15" Thru 16" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	911.62 65.00	36.45
10 71 13 13-0326	PR		15" Thru 16" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	913.73 65.00	38.04
10 71 13 13-0327	PR		15" Thru 16" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,059.67 65.00	39.61
10 71 13 13-0328	PR		15" Thru 16" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,061.79 65.00	41.20
10 71 13 13-0329	PR		15" Thru 16" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,207.73 65.00	42.79
10 71 13 13-0330	PR		15" Thru 16" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,209.85 65.00	44.37
10 71 13 13-0331	PR		15" Thru 16" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,355.79 65.00	45.96



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13	13-0332	PR 15" Thru 16" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,357.91 65.00	47.53
10 71	13	13-0333	PR 15" Thru 16" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,503.85 65.00	49.12
10 71	13	13-0334	PR 15" Thru 16" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,505.96 65.00	50.71
<b>10 71 13 13-0335 17" Through 18" Width</b> <small>(10 71 13 13-0302)</small>					
10 71	13	13-0336	PR 17" Thru 18" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	615.48 65.00	30.11
10 71	13	13-0337	PR 17" Thru 18" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	760.38 65.00	30.96
10 71	13	13-0338	PR 17" Thru 18" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	761.44 65.00	31.69
10 71	13	13-0339	PR 17" Thru 18" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	907.39 65.00	33.28
10 71	13	13-0340	PR 17" Thru 18" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	909.50 65.00	34.86
10 71	13	13-0341	PR 17" Thru 18" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,055.45 65.00	36.45
10 71	13	13-0342	PR 17" Thru 18" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,057.56 65.00	38.04
10 71	13	13-0343	PR 17" Thru 18" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,203.51 65.00	39.61
10 71	13	13-0344	PR 17" Thru 18" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,205.63 65.00	41.20
10 71	13	13-0345	PR 17" Thru 18" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,351.56 65.00	42.79
10 71	13	13-0346	PR 17" Thru 18" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,353.68 65.00	44.37
10 71	13	13-0347	PR 17" Thru 18" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,499.63 65.00	45.96
10 71	13	13-0348	PR 17" Thru 18" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,501.75 65.00	47.53
10 71	13	13-0349	PR 17" Thru 18" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,647.69 65.00	49.12
10 71	13	13-0350	PR 17" Thru 18" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,649.80 65.00	50.71
<b>10 71 13 13-0351 19" Through 20" Width</b> <small>(10 71 13 13-0302)</small>					
10 71	13	13-0352	PR 19" Thru 20" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	759.32 65.00	30.11
10 71	13	13-0353	PR 19" Thru 20" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	760.38 65.00	30.96
10 71	13	13-0354	PR 19" Thru 20" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	905.28 65.00	31.69
10 71	13	13-0355	PR 19" Thru 20" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	907.39 65.00	33.28
10 71	13	13-0356	PR 19" Thru 20" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,053.33 65.00	34.86
10 71	13	13-0357	PR 19" Thru 20" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,055.45 65.00	36.45
10 71	13	13-0358	PR 19" Thru 20" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,201.40 65.00	38.04
10 71	13	13-0359	PR 19" Thru 20" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,347.34 65.00	39.61
10 71	13	13-0360	PR 19" Thru 20" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,349.46 65.00	41.20
10 71	13	13-0361	PR 19" Thru 20" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,495.40 65.00	42.79
10 71	13	13-0362	PR 19" Thru 20" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,497.52 65.00	44.37
10 71	13	13-0363	PR 19" Thru 20" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,643.47 65.00	45.96
10 71	13	13-0364	PR 19" Thru 20" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,645.59 65.00	47.53
10 71	13	13-0365	PR 19" Thru 20" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,791.52 65.00	49.12
10 71	13	13-0366	PR 19" Thru 20" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,793.63 65.00	50.71
<b>10 71 13 13-0367 21" Through 22" Width</b> <small>(10 71 13 13-0302)</small>					
10 71	13	13-0368	PR 21" Thru 22" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	759.32 65.00	30.11
10 71	13	13-0369	PR 21" Thru 22" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	760.38 65.00	30.96
10 71	13	13-0370	PR 21" Thru 22" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	905.28 65.00	31.69
10 71	13	13-0371	PR 21" Thru 22" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,051.22 65.00	33.28
10 71	13	13-0372	PR 21" Thru 22" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,053.33 65.00	34.86
10 71	13	13-0373	PR 21" Thru 22" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,199.29 65.00	36.45

**10 Specialties**  
**10 70 Exterior Specialties**  
**10 71 Exterior Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0374	PR	21"	Thru 22" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,201.40 65.00	38.04
10 71 13 13-0375	PR	21"	Thru 22" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,347.34 65.00	39.61
10 71 13 13-0376	PR	21"	Thru 22" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,493.30 65.00	41.20
10 71 13 13-0377	PR	21"	Thru 22" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,495.40 65.00	42.79
10 71 13 13-0378	PR	21"	Thru 22" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,641.36 65.00	44.37
10 71 13 13-0379	PR	21"	Thru 22" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,643.47 65.00	45.96
10 71 13 13-0380	PR	21"	Thru 22" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,789.42 65.00	47.53
10 71 13 13-0381	PR	21"	Thru 22" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,791.52 65.00	49.12
10 71 13 13-0382	PR	21"	Thru 22" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,793.63 65.00	50.71
<b>10 71 13 13-0383 22" Through 24" Width (10 71 13 13-0302)</b>					
10 71 13 13-0384	PR	22"	Thru 24" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	759.32 65.00	30.11
10 71 13 13-0385	PR	22"	Thru 24" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	904.22 65.00	30.96
10 71 13 13-0386	PR	22"	Thru 24" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	905.28 65.00	31.69
10 71 13 13-0387	PR	22"	Thru 24" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,051.22 65.00	33.28
10 71 13 13-0388	PR	22"	Thru 24" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,197.17 65.00	34.86
10 71 13 13-0389	PR	22"	Thru 24" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,199.29 65.00	36.45
10 71 13 13-0390	PR	22"	Thru 24" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,345.23 65.00	38.04
10 71 13 13-0391	PR	22"	Thru 24" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,347.34 65.00	39.61
10 71 13 13-0392	PR	22"	Thru 24" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,493.30 65.00	41.20
10 71 13 13-0393	PR	22"	Thru 24" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,639.24 65.00	42.79
10 71 13 13-0394	PR	22"	Thru 24" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,641.36 65.00	44.37
10 71 13 13-0395	PR	22"	Thru 24" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,787.30 65.00	45.96
10 71 13 13-0396	PR	22"	Thru 24" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,789.42 65.00	47.53
10 71 13 13-0397	PR	22"	Thru 24" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,935.36 65.00	49.12
10 71 13 13-0398	PR	22"	Thru 24" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,937.47 65.00	50.71
<b>10 71 13 13-0399 Accessories (10 71 13 13)</b>					
10 71 13 13-0400	PR		Surface Mounted Pintel, Stainless Steel	57.04	
10 71 13 13-0401	PR		Lag Pintel, Stainless Steel	57.04	
10 71 13 13-0402	PR		10" Strap Hinge, Stainless Steel	84.73	
10 71 13 13-0403	PR		6" L-Hinge, Stainless Steel	78.59	
10 71 13 13-0404	PR		Hinge Set, Galvanized And Painted	71.55	
10 71 13 13-0405	PR		Acorn Holdback	64.95	
10 71 13 13-0406	PR		'S' Holdback, Stainless Steel	55.02	
10 71 13 13-0407	PR		'S' Holdback, Galvanized And Painted	51.95	
<b>10 73 Protective Covers (10 70)</b>					
<b>10 73 13 Awnings (10 73)</b>					
<b>10 73 13 13 Metal Awnings (10 73 13)</b>					
<b>10 73 13 13-0001 Metal Awnings (10 73 13 13)</b>					
Note: Includes metal cover, frame supports and anchoring.					
10 73 13 13-0002	SF		Clear Weather Resistant Finish, Ribbed Aluminum Window Awnings	51.52	7.82
10 73 13 13-0003	SF		Baked Enamel Finish, Ribbed Aluminum Window Awning	45.63	7.01
10 73 13 13-0004	SF		Flat Roofed Steel Awning	166.43	8.12
Note: Per SF of covered area					
10 73 13 13-0005	SF		Arched Roofed Steel Awning (Per SF Of Covered Area)	171.83	9.14
<b>10 73 13 23 Fabric Awnings (10 73 13)</b>					
<b>10 73 13 23-0001 Canvas Awnings (10 73 13 23)</b>					
Note: Includes minimum 12 oz. canvas, frame supports and anchoring.					
10 73 13 23-0002	SF		Canvas Awning, Waterproof Fabric Tubular Metal Framing	50.20	7.08
10 73 13 23-0003	SF		Side Protection Canvas For Walkways (Per SF Of Wall Area)	28.04	2.28
10 73 13 23-0004	SF		Removal And Replacement Of Canvas For Awnings	21.50	
Note: Includes removal of existing canvas cover.					
For 18 Oz. Vinyl Laminated Polyester Cover, Add				0.66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**10 73 16 Canopies (10 73)**

**10 73 16 13 Metal Canopies (10 73 16)**

**10 73 16 13-0001 Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished (10 73 16 13)**

Note: Includes cover, frame supports and anchoring.

10 73 16 13-0002	EA	8' x 10' Canopy, Aluminum, Wall Hung	5,022.09	544.54
10 73 16 13-0003	EA	8' x 20' Canopy, Aluminum, Wall Hung	9,121.63	871.46
10 73 16 13-0004	EA	10' x 10' Canopy, Aluminum, Wall Hung	6,197.46	681.33
10 73 16 13-0005	EA	10' x 20' Canopy, Aluminum, Wall Hung	10,889.67	911.08

**10 73 26 Walkway Coverings (10 73)**

Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.

**10 73 26 13 Metal Walkway Coverings (10 73 26)**

**10 73 26 13-0001 Steel Walkway/Parking Covers (10 73 26 13)**

Note: Factory applied polyester finish.

Note: Includes factory applied polyester finish.

10 73 26 13-0002	SF	Flat Roofed Steel Walkway/Parking Cover	85.41	7.60
		For Snow Load (30 PSF), Add	28.08	
		For Wind Load (140 MPH), Add	35.10	
10 73 26 13-0003	SF	Arch Roofed Steel Walkway/Parking Cover	90.97	8.20
		For Snow Load (30 PSF), Add	29.84	
		For Wind Load (140 MPH), Add	37.30	

**10 73 26 13-0004 Aluminum Walkway/Parking Covers (10 73 26 13)**

Note: Includes factory applied polyester finish.

For Snow Load (30 PSF), Add 12.78

For Wind Load (140 MPH), Add 15.98

10 73 26 13-0006	SF	Arch Roofed Aluminum Walkway/Parking Cover	51.24	8.20
		For Snow Load (30 PSF), Add	13.94	
		For Wind Load (140 MPH), Add	17.43	

**10 75 Flagpoles (10 70)**

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

**10 75 16 Ground-Set Flagpoles (10 75)**

**10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles (10 75 16)**

10 75 16 00-0002	EA	25' Exposed Height, Tapered White Fiberglass Flagpole	2,733.53	816.46
		Note: 6" butt diameter, 3" top diameter and 0.180" wall.		
		For Internal Halyard, Cam System, Add	300.00	
		For Bronze Finish, Add	20.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0003	EA	30' Exposed Height, Tapered White Fiberglass Flagpole	2,933.55	890.69
		Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.		
		For Internal Halyard, Cam System, Add	300.00	
		For Bronze Finish, Add	50.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0004	EA	35' Exposed Height, Tapered White Fiberglass Flagpole	3,638.28	1,039.13
		Note: 7" butt diameter, 3" top diameter and 0.200" wall.		
		For Internal Halyard, Cam System, Add	300.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0005	EA	40' Exposed Height, Tapered White Fiberglass Flagpole	4,209.71	1,187.58
		Note: 7" butt diameter, 3" top diameter and 0.200" wall.		
		For Internal Halyard, Cam System, Add	300.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0006	EA	50' Exposed Height, Tapered White Fiberglass Flagpole	7,237.45	1,336.02
		Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.		
		For Internal Halyard, Winch System, Add	1,700.00	
		For Bronze Finish, Add	200.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0007	EA	60' Exposed Height, Tapered White Fiberglass Flagpole	8,545.13	1,484.48
		Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.		
		For Internal Halyard, Winch System, Add	1,900.00	
		For Bronze Finish, Add	160.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0008	EA	70' Exposed Height, Tapered White Fiberglass Flagpole	14,105.32	1,632.93
		Note: 16" butt diameter, 7" top diameter and 0.325" wall.		
		For Internal Halyard, Winch System, Add	2,860.00	
		For Bronze Finish, Add	700.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0009	EA	78' Exposed Height, Tapered White Fiberglass Flagpole	18,053.35	1,781.37
		Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall.		
		For Internal Halyard, Winch System, Add	2,900.00	
		For Bronze Finish, Add	900.00	
		For Rope Lock Box, Add	96.00	

**10 Specialties**  
**10 70 Exterior Specialties**  
**10 75 Flagpoles**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
10 75 16 00-0010		<b>Free Standing Tapered Aluminum Flagpoles</b> <small>(10 75 16)</small>			
		Note: Heavy duty.			
10 75 16 00-0011	EA	20' Exposed Height, Tapered Satin Aluminum Flagpole .....	2,614.56		742.24
		Note: 5" butt diameter, 3" top diameter and 0.188" wall.			
		For Internal Halyard, Winch System, Add	570.00		
		For Clear Anodized Finish, Add	150.00		
		For Bronze Anodized Finish, Add	180.00		
		For Black Anodized Finish, Add	230.00		
		For Rope Lock Box, Add	96.00		
10 75 16 00-0012	EA	25' Exposed Height, Tapered Satin Aluminum Flagpole .....	3,086.74		816.46
		Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall.			
		For Internal Halyard, Winch System, Add	1,100.00		
		For Clear Anodized Finish, Add	200.00		
		For Bronze Anodized Finish, Add	230.00		
		For Black Anodized Finish, Add	320.00		
		For Rope Lock Box, Add	96.00		
10 75 16 00-0013	EA	30' Exposed Height, Tapered Satin Aluminum Flagpole .....	3,420.28		890.69
		Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall.			
		For Internal Halyard, Winch System, Add	1,390.00		
		For Clear Anodized Finish, Add	240.00		
		For Bronze Anodized Finish, Add	290.00		
		For Black Anodized Finish, Add	400.00		
		For Rope Lock Box, Add	96.00		
10 75 16 00-0014	EA	35' Exposed Height, Tapered Satin Aluminum Flagpole .....	4,309.19		1,039.13
		Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall.			
		For Internal Halyard, Winch System, Add	1,340.00		
		For Clear Anodized Finish, Add	290.00		
		For Bronze Anodized Finish, Add	360.00		
		For Black Anodized Finish, Add	480.00		
		For Rope Lock Box, Add	96.00		
10 75 16 00-0015	EA	40' Exposed Height, Tapered Satin Aluminum Flagpole .....	5,290.51		1,187.58
		Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.			
		For Internal Halyard, Winch System, Add	1,490.00		
		For Clear Anodized Finish, Add	390.00		
		For Bronze Anodized Finish, Add	480.00		
		For Black Anodized Finish, Add	660.00		
		For Rope Lock Box, Add	96.00		
10 75 16 00-0016	EA	45' Exposed Height, Tapered Satin Aluminum Flagpole .....	5,836.63		1,261.81
		Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.			
		For Internal Halyard, Winch System, Add	1,340.00		
		For Clear Anodized Finish, Add	400.00		
		For Bronze Anodized Finish, Add	500.00		
		For Black Anodized Finish, Add	700.00		
		For Rope Lock Box, Add	96.00		
10 75 16 00-0017	EA	50' Exposed Height, Tapered Satin Aluminum Flagpole .....	7,242.28		1,336.02
		Note: 10" butt diameter, 4" top diameter and 0.188" wall.			
		For Internal Halyard, Winch System, Add	1,380.00		
		For Clear Anodized Finish, Add	700.00		
		For Bronze Anodized Finish, Add	860.00		
		For Black Anodized Finish, Add	1,130.00		
		For Rope Lock Box, Add	96.00		
10 75 16 00-0018	EA	60' Exposed Height, Tapered Satin Aluminum Flagpole .....	12,114.56		1,484.48
		Note: 12" butt diameter, 4" top diameter and 0.250" wall.			
		For Internal Halyard, Winch System, Add	1,800.00		
		For Clear Anodized Finish, Add	620.00		
		For Bronze Anodized Finish, Add	820.00		
		For Black Anodized Finish, Add	1,160.00		
		For Rope Lock Box, Add	96.00		
10 75 16 00-0019	EA	70' Exposed Height, Tapered Satin Aluminum Flagpole .....	13,262.26		1,632.93
		Note: 12" butt diameter, 4" top diameter and 0.250" wall.			
		For Internal Halyard, Winch System, Add	1,720.00		
		For Clear Anodized Finish, Add	710.00		
		For Bronze Anodized Finish, Add	950.00		
		For Black Anodized Finish, Add	1,360.00		
		For Rope Lock Box, Add	96.00		
10 75 16 00-0020	EA	80' Exposed Height, Tapered Satin Aluminum Flagpole .....	16,489.43		1,781.37
		Note: 12" butt diameter, 4" top diameter and 0.375" wall.			
		For Internal Halyard, Winch System, Add	2,600.00		
		For Clear Anodized Finish, Add	1,100.00		
		For Bronze Anodized Finish, Add	1,380.00		
		For Black Anodized Finish, Add	1,840.00		
		For Rope Lock Box, Add	96.00		
10 75 16 00-0021		<b>Flagpole Bases</b> <small>(10 75 16)</small>			
10 75 16 00-0022		<b>Flagpole Concrete Base</b> <small>(10 75 16 00-0021)</small>			
		Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.			
10 75 16 00-0023	EA	30' Or Less Flagpole, Poured Concrete Foundation .....	1,292.84		
10 75 16 00-0024	EA	35' Flagpole, Poured Concrete Foundation.....	1,335.52		
10 75 16 00-0025	EA	40' Flagpole, Poured Concrete Foundation.....	1,538.09		
10 75 16 00-0026	EA	45' Flagpole, Poured Concrete Foundation.....	1,626.55		
10 75 16 00-0027	EA	50' Flagpole, Poured Concrete Foundation.....	1,948.83		
10 75 16 00-0028	EA	60' Flagpole, Poured Concrete Foundation.....	2,362.15		
10 75 16 00-0029	EA	70' Flagpole, Poured Concrete Foundation.....	2,789.85		
10 75 16 00-0030	EA	80' Flagpole, Poured Concrete Foundation.....	3,242.79		
10 75 16 00-0031	EA	90' To 100' Flagpole, Poured Concrete Foundation.....	3,778.25		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 75 16 00-0032</b>			<b>Direct Embedded Flagpole Base</b> <small>(10 75 16 00-0021)</small> Note: Augured in place, no concrete required.		
10 75 16 00-0033	EA		20' To 25' Flagpole, Direct Embedded Pole Base.....	550.09	
10 75 16 00-0034	EA		30' To 40' Flagpole, Direct Embedded Pole Base.....	789.70	
10 75 16 00-0035	EA		45' To 55' Flagpole, Direct Embedded Pole Base.....	881.35	
10 75 16 00-0036	EA		60' To 70' Flagpole, Direct Embedded Pole Base.....	993.08	

<b>10 75 16 00-0037</b>			<b>Flagpole Accessories</b> <small>(10 75 16)</small>		
<b>10 75 16 00-0038</b>			<b>Flagpole Tops</b> <small>(10 75 16 00-0037)</small> Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0039	EA		4" Gold Anodized Aluminum Ball For Top Of Flagpole.....	115.01	44.57
10 75 16 00-0040	EA		5" Gold Anodized Aluminum Ball For Top Of Flagpole.....	124.88	47.19
10 75 16 00-0041	EA		6" Gold Anodized Aluminum Ball For Top Of Flagpole.....	138.44	49.82
10 75 16 00-0042	EA		8" Gold Anodized Aluminum Ball For Top Of Flagpole.....	175.11	52.43
10 75 16 00-0043	EA		10" Gold Anodized Aluminum Ball For Top Of Flagpole.....	224.71	55.05
10 75 16 00-0044	EA		12" Gold Anodized Aluminum Ball For Top Of Flagpole.....	249.37	57.67
10 75 16 00-0045	EA		11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	229.96	57.67
10 75 16 00-0046	EA		15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	266.94	65.54
10 75 16 00-0047	EA		7" Bronze Eagle Mounted On Spindle Rod.....	140.14	57.67

<b>10 75 16 00-0048</b>			<b>Flagpole Accessories</b> <small>(10 75 16 00-0037)</small> Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0049	LF		5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	0.99	0.08
10 75 16 00-0050	LF		5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles.....	0.50	0.08
10 75 16 00-0051	LF		5/16" Diameter, Nylon Halyard (Rope) For Flagpoles.....	0.39	0.08
10 75 16 00-0052	LF		3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	1.33	0.08
10 75 16 00-0053	EA		Refinish Existing Flagpole Ball.....	339.35	131.02
10 75 16 00-0054	EA		Locking Aluminum Cleat Box For Flagpoles.....	271.89	78.61
10 75 16 00-0055	EA		Aluminum Cleat For Flagpoles.....	22.22	5.24
10 75 16 00-0056	LF		1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles.....	0.65	0.09

**10 75 23 Wall-Mounted Flagpoles** (10 75)

<b>10 75 23 00-0001</b>			<b>Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles</b> <small>(10 75 23)</small> Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.		
10 75 23 00-0002	EA		14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole..... <i>For Rope Lock Box, Add</i>	1,828.98 96.00	651.08
10 75 23 00-0003	EA		17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole..... <i>For Rope Lock Box, Add</i>	1,986.92 96.00	716.19
10 75 23 00-0004	EA		20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole..... <i>For Rope Lock Box, Add</i>	2,154.10 96.00	781.31
10 75 23 00-0005	EA		25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole..... <i>For Rope Lock Box, Add</i>	2,497.72 96.00	911.52

**10 75 23 00-0006** **Outrigger, Wall Mounted Tapered Aluminum Flagpoles** (10 75 23)

			Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.		
10 75 23 00-0007	EA		10', Wall Mounted, Aluminum Outrigger Flagpole With Bracket..... <i>For Rope Lock Box, Add</i>	2,317.98 96.00	585.98
10 75 23 00-0008	EA		15', Wall Mounted, Aluminum Outrigger Flagpole With Bracket..... <i>For Rope Lock Box, Add</i>	2,503.66 96.00	651.08
10 75 23 00-0009	EA		20', Wall Mounted, Aluminum Outrigger Flagpole With Bracket..... <i>For Rope Lock Box, Add</i>	2,801.05 96.00	781.31

**10 80 Other Specialties** (10)

**10 81 Pest Control Devices** (10 80)

**10 81 13 Bird Control Devices** (10 81)

<b>10 81 13 00-0001</b>			<b>Stainless Steel Spiked Bird Barrier</b> <small>(10 81 13)</small> Note: Stainless steel spikes with flexible polycarbonate base.		
10 81 13 00-0002	LF		2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	7.63	0.84
10 81 13 00-0003	LF		4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	9.21	0.84
10 81 13 00-0004	LF		8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	13.49	0.84

**10 81 13 00-0005** **Polycarbonate Spiked Bird Barrier** (10 81 13)

			Note: Polycarbonate spikes and base.		
10 81 13 00-0006	LF		3" Wide Polycarbonate Spikes And Base Bird Deterrent System.....	7.06	0.84
10 81 13 00-0007	LF		5" Wide Polycarbonate Spikes And Base Bird Deterrent System.....	8.55	0.84
10 81 13 00-0008	LF		8" Wide Polycarbonate Spikes And Base Bird Deterrent System.....	10.22	0.84

**10 81 13 00-0009** **Spiked Gutter Or Girder Bird Barrier** (10 81 13)

			Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.		
10 81 13 00-0010	LF		Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application.....	8.00	0.84

**10 Specialties**

**10 80 Other Specialties**

**10 81 Pest Control Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
10 81 13 00-0011		<b>Coil Bird Barrier</b> <small>(10 81 13)</small> Note: Stainless steel coil.			
10 81 13 00-0012	LF	4" Diameter Stainless Steel Coil Bird Deterrent System .....	5.76		0.84
10 81 13 00-0013	LF	5" Diameter Stainless Steel Coil Bird Deterrent System .....	6.77		0.84
10 81 13 00-0014		<b>Spider Bird Barrier</b> <small>(10 81 13)</small> Note: Stainless steel arms with various bases.			
10 81 13 00-0015	EA	2' Diameter Stainless Steel Spider Bird Deterrent System .....	104.20		0.84
10 81 13 00-0016	EA	4' Diameter Stainless Steel Spider Bird Deterrent System .....	152.19		0.84
10 81 13 00-0017	EA	8' Diameter Stainless Steel Spider Bird Deterrent System .....	190.66		0.84
10 81 13 00-0018		<b>Oriented Flexible Flame Resistant Netting</b> <small>(10 81 13)</small> Note: Includes stainless steel rings and plastic ties.			
10 81 13 00-0019	SF	1/8" x 1/8" Mesh Flexible Polypropylene Netting .....	0.74		0.30
10 81 13 00-0020	SF	1/4" x 1/4" Mesh Flexible Polypropylene Netting .....	0.73		0.30
10 81 13 00-0021	SF	1/2" x 1/2" Mesh Flexible Polypropylene Netting .....	0.71		0.30
10 81 13 00-0022	SF	3/4" x 3/4" Mesh Flexible Polypropylene Netting .....	0.69		0.30
10 81 13 00-0023	SF	1" x 1" Mesh Flexible Polypropylene Netting .....	0.69		0.30
10 81 13 00-0024	SF	1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting .....	0.68		0.30
10 81 13 00-0025	SF	2" x 2" Mesh Flexible Polypropylene Netting .....	0.67		0.30
10 81 13 00-0026	SF	3" x 3" Mesh Flexible Polypropylene Netting .....	0.67		0.30
10 81 13 00-0027	SF	4" x 4" Mesh Flexible Polypropylene Netting .....	0.66		0.30
10 81 13 00-0028	SF	5/8" x 3/4" Mesh Flexible Polypropylene Netting .....	0.70		0.30
10 81 13 00-0029	SF	1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting .....	0.68		0.30
10 81 13 00-0030	EA	Poly Clips For Flexible Netting .....	2.50		
10 81 13 00-0031		<b>Netting Accessories</b> <small>(10 81 13)</small>			
10 81 13 00-0032	EA	2' Zipper For Flexible Netting .....	6.29		
10 81 13 00-0033	EA	4' Zipper For Flexible Netting .....	9.48		
10 81 13 00-0034	EA	6' Zipper For Flexible Netting .....	11.15		
10 81 13 00-0035	EA	8' Zipper For Flexible Netting .....	15.85		
10 81 16		<b>Insect Control Devices</b> <small>(10 81)</small>			
10 81 16 00-0001		<b>Insect Screening</b> <small>(10 81 16)</small>			
10 81 16 00-0002	CSF	17/14 Mesh Insect Screening With Flat Screen Splines.....			99.04
10 86		<b>Security Mirrors And Domes</b> <small>(10 80)</small>			
10 86 00 00-0001		<b>Dome Mirrors</b> <small>(10 86)</small> Note: Includes all mounting hardware. Indoor or outdoor applications.			
10 86 00 00-0002		<b>Steel Dome Mirrors</b> <small>(10 86 00 00-0001)</small>			
10 86 00 00-0003	EA	9" Diameter Full-Dome Steel Dome Mirror .....	225.15		20.97
10 86 00 00-0004	EA	12" Diameter Full-Dome Steel Dome Mirror .....	263.87		22.02
10 86 00 00-0005	EA	18" Diameter Full-Dome Steel Dome Mirror .....	304.71		24.12
10 86 00 00-0006	EA	24" Diameter Full-Dome Steel Dome Mirror .....	404.48		26.21
10 86 00 00-0007	EA	9" Diameter Half-Dome Steel Dome Mirror .....	161.45		15.74
10 86 00 00-0008	EA	12" Diameter Half-Dome Steel Dome Mirror .....	185.85		16.78
10 86 00 00-0009	EA	18" Diameter Half-Dome Steel Dome Mirror .....	216.71		18.35
10 86 00 00-0010	EA	24" Diameter Half-Dome Steel Dome Mirror .....	299.51		19.93
10 86 00 00-0011		<b>Plexiglas Dome Mirrors</b> <small>(10 86 00 00-0001)</small>			
10 86 00 00-0012	EA	18" Diameter Full-Dome Plexiglas Dome Mirror .....	178.07		24.12
10 86 00 00-0013	EA	26" Diameter Full-Dome Plexiglas Dome Mirror .....	248.37		26.21
10 86 00 00-0014	EA	32" Diameter Full-Dome Plexiglas Dome Mirror .....	326.86		30.41
10 86 00 00-0015	EA	36" Diameter Full-Dome Plexiglas Dome Mirror .....	395.20		36.70
10 86 00 00-0016	EA	48" Diameter Full-Dome Plexiglas Dome Mirror .....	576.40		52.43
10 86 00 00-0017	EA	18" Diameter Half-Dome Plexiglas Dome Mirror .....	110.46		18.35
10 86 00 00-0018	EA	26" Diameter Half-Dome Plexiglas Dome Mirror .....	147.06		19.93
10 86 00 00-0019	EA	32" Diameter Half-Dome Plexiglas Dome Mirror .....	192.54		23.07
10 86 00 00-0020	EA	36" Diameter Half-Dome Plexiglas Dome Mirror .....	237.18		27.79
10 86 00 00-0021	EA	48" Diameter Half-Dome Plexiglas Dome Mirror .....	374.95		39.33
10 86 00 00-0022	EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror .....	72.88		15.74
10 86 00 00-0023	EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror .....	92.43		17.31
10 86 00 00-0024	EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror .....	120.20		19.40
10 86 00 00-0025	EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror .....	149.37		23.07
10 86 00 00-0026	EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror .....	245.55		32.77

<b>Specialties</b>	<b>10</b>
<b>Other Specialties</b>	<b>10 80</b>
<b>Security Mirrors And Domes</b>	<b>10 86</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 86 00 00-0027</b>	<b>Coated Plexiglas Dome Mirrors</b> <small>(10 86 00 00-0001)</small>		
10 86 00 00-0028	EA 18" Diameter Full-Dome Coated Plexiglas Dome Mirror .....	210.73	24.12
10 86 00 00-0029	EA 26" Diameter Full-Dome Coated Plexiglas Dome Mirror .....	321.65	26.21
10 86 00 00-0030	EA 36" Diameter Full-Dome Coated Plexiglas Dome Mirror .....	541.75	36.70
10 86 00 00-0031	EA 48" Diameter Full-Dome Coated Plexiglas Dome Mirror .....	832.87	52.43
10 86 00 00-0032	EA 18" Diameter Half-Dome Coated Plexiglas Dome Mirror .....	137.86	18.35
10 86 00 00-0033	EA 26" Diameter Half-Dome Coated Plexiglas Dome Mirror .....	202.34	19.93
10 86 00 00-0034	EA 36" Diameter Half-Dome Coated Plexiglas Dome Mirror .....	318.42	27.79
10 86 00 00-0035	EA 48" Diameter Half-Dome Coated Plexiglas Dome Mirror .....	524.69	39.33
10 86 00 00-0036	EA 18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror .....	101.07	15.74
10 86 00 00-0037	EA 26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror .....	139.90	17.31
10 86 00 00-0038	EA 32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror .....	180.10	19.40
10 86 00 00-0039	EA 36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror .....	230.93	23.07
10 86 00 00-0040	EA 48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror .....	360.24	32.77

<b>10 86 00 00-0041</b>	<b>Circular Convex Security Mirrors</b> <small>(10 86)</small>		
	Note: Includes all mounting hardware.		

<b>10 86 00 00-0042</b>	<b>Plexiglas Circular Convex Mirrors</b> <small>(10 86 00 00-0041)</small>		
	Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0043	EA 12" Diameter Plexiglas Circular Convex Mirrors, Indoor .....	78.16	16.78
10 86 00 00-0044	EA 18" Diameter Plexiglas Circular Convex Mirrors, Indoor .....	100.26	18.35
10 86 00 00-0045	EA 26" Diameter Plexiglas Circular Convex Mirrors, Indoor .....	148.81	19.93
10 86 00 00-0046	EA 30" Diameter Plexiglas Circular Convex Mirrors, Indoor .....	185.21	23.07
10 86 00 00-0047	EA 36" Diameter Plexiglas Circular Convex Mirrors, Indoor .....	245.15	27.79
10 86 00 00-0048	EA 48" Diameter Plexiglas Circular Convex Mirrors, Indoor .....	429.11	39.33
10 86 00 00-0049	EA 18" Diameter Plexiglas Circular Convex Mirrors, Outdoor .....	127.18	18.35
10 86 00 00-0050	EA 26" Diameter Plexiglas Circular Convex Mirrors, Outdoor .....	180.67	19.93
10 86 00 00-0051	EA 36" Diameter Plexiglas Circular Convex Mirrors, Outdoor .....	257.89	27.79
10 86 00 00-0052	EA 48" Diameter Plexiglas Circular Convex Mirrors, Outdoor .....	467.34	39.33

<b>10 86 00 00-0053</b>	<b>Coated Plexiglas Circular Convex Mirrors</b> <small>(10 86 00 00-0041)</small>		
	Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0054	EA 18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor .....	152.03	18.35
10 86 00 00-0055	EA 26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor .....	235.79	19.93
10 86 00 00-0056	EA 30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor .....	315.36	23.07
10 86 00 00-0057	EA 36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor .....	393.30	27.79
10 86 00 00-0058	EA 48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor .....	570.89	39.33
10 86 00 00-0059	EA 18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor .....	181.19	18.35
10 86 00 00-0060	EA 26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor .....	277.21	19.93
10 86 00 00-0061	EA 30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor .....	383.86	23.07
10 86 00 00-0062	EA 36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor .....	434.71	27.79
10 86 00 00-0063	EA 48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor .....	687.18	39.33

**END OF SECTION 10**

**10 Specialties**

10 80 Other Specialties

10 86 Security Mirrors And Domes

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 11 Equipment

### 11 01 Operation and Maintenance of Equipment <sup>(11)</sup>

#### 11 01 10 Operation and Maintenance of Vehicle and Pedestrian Equipment <sup>(11 01)</sup>

##### 11 01 10 13 Operation and Maintenance of Parking Equipment <sup>(11 01 10)</sup>

##### 11 01 10 13-0001 Replacement Parking Equipment <sup>(11 01 10 13)</sup>

11 01 10 13-0002	EA	10' Wood Arm Replacement With Bolts .....	428.07	
11 01 10 13-0003	EA	12' Wood Arm Replacement With Bolts .....	448.07	
11 01 10 13-0004	EA	14' Wood Arm Replacement With Bolts .....	470.90	
11 01 10 13-0005	EA	12' Aluminum Arm Replacement With Bolts.....	624.05	
11 01 10 13-0006	EA	14' Aluminum Arm Replacement With Bolts.....	645.48	
11 01 10 13-0007	EA	16' Aluminum Arm Replacement With Bolts.....	913.26	
11 01 10 13-0008	EA	18' Aluminum Arm Replacement With Bolts.....	927.10	
11 01 10 13-0009	EA	20' Aluminum Arm Replacement With Bolts.....	953.08	
11 01 10 13-0010	EA	22' Aluminum Arm Replacement With Bolts.....	1,095.47	
11 01 10 13-0011	EA	24' Aluminum Arm Replacement With Bolts.....	1,113.97	

### 11 10 Vehicle and Pedestrian Equipment <sup>(11)</sup>

#### 11 12 Parking Control Equipment <sup>(11 10)</sup>

##### 11 12 13 Parking Key and Card Control Units <sup>(11 12)</sup>

11 12 13 00-0001	EA	Card Access Control System, Surface Mounted .....	1,110.42	72.34
		Note: Entracomp 26SA-SM.		
11 12 13 00-0002	EA	Card Access Control System, Flush Mounted.....	1,231.75	72.34
		Note: Entracomp 26SA-FM.		
11 12 13 00-0003	EA	Card Access Control System, Flush Mounted.....	1,416.24	72.34
		Note: Entracomp 26SA-MH.		
11 12 13 00-0004	EA	Electronic Vehicle Detector Units, Push-Button Intercom .....	355.00	24.12
		Note: 3-position sensitivity switch and detection indicator light on front panel.		
		For Wiring Harness, Add	34.00	

##### 11 12 16 Parking Ticket Dispensers <sup>(11 12)</sup>

##### 11 12 16 00-0001 Parking Ticket Dispensers <sup>(11 12 16)</sup>

11 12 16 00-0002	EA	Standard Parking Ticket Dispenser With Time/Date Stamp.....	8,101.88	173.63
11 12 16 00-0003	EA	Rate Computing Parking Ticket Dispenser With Printer.....	10,881.71	173.63

##### 11 12 23 Parking Meters <sup>(11 12)</sup>

##### 11 12 23 00-0001 Parking Meters <sup>(11 12 23)</sup>

11 12 23 00-0002	EA	Removal Of Parking Meter For Replacement Or Reinstall Existing Meter .....	179.65	
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##### 11 12 26 Parking Fee Collection Equipment <sup>(11 12)</sup>

##### 11 12 26 13 Parking Fee Coin Collection Equipment <sup>(11 12 26)</sup>

##### 11 12 26 13-0001 Parking Fee Collection Equipment <sup>(11 12 26 13)</sup>

11 12 26 13-0002	EA	Multiple Station Slot Box For Parking Fee Collection.....	1,932.35	58.84
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##### 11 12 33 Parking Gates <sup>(11 12)</sup>

##### 11 12 33 13 Lift Arm Parking Gates <sup>(11 12 33)</sup>

##### 11 12 33 13-0001 Barrier Parking Gate Operators <sup>(11 12 33 13)</sup>

##### 11 12 33 13-0002 Barrier Parking Gate Operators <sup>(11 12 33 13-0001)</sup>

Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.				
11 12 33 13-0003	EA	12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080).....	4,210.99	240.65
		For 230/460 Volt AC, Add	322.50	
11 12 33 13-0004	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080).....	4,195.74	240.65
		For 230/460 Volt AC, Add	322.50	
11 12 33 13-0005	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080).....	4,388.85	240.65
		For 230/460 Volt AC, Add	322.50	
11 12 33 13-0006	EA	20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080).....	6,285.44	240.65
		For 230/460 Volt AC, Add	322.50	
11 12 33 13-0007	EA	14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD).....	6,157.59	240.65
11 12 33 13-0008	EA	14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD).....	6,462.49	240.65

**11 Equipment****11 10 Vehicle and Pedestrian Equipment****11 12 Parking Control Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
11 12 33 13-0009		<b>Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes</b> <small>(11 12 33 13-0001)</small> Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.			
11 12 33 13-0010	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080) .....	13,018.94		481.31
11 12 33 13-0011	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080) .....	15,249.52		481.31
11 12 33 13-0012	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080) .....	13,133.28		481.31
11 12 33 13-0013	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080) .....	15,363.86		481.31
11 12 33 13-0014		<b>Barrier Parking Gate Operator Accessories</b> <small>(11 12 33 13-0001)</small>			
11 12 33 13-0015	EA	12' Plastic Replacement Arm For Barrier Parking Gate Operators .....	164.75		18.85
11 12 33 13-0016	EA	14' Wood Replacement Arm For Barrier Parking Gate Operators.....	149.51		18.85
11 12 33 13-0017	EA	14' Aluminum Replacement Arm For Barrier Parking Gate Operators .....	342.61		18.85
11 12 33 13-0018	EA	20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators .....	514.12		18.85
11 12 33 13-0019	EA	Folding Wood Replacement Arm For Barrier Parking Gate Operators .....	469.65		18.85
11 12 33 13-0020	EA	Folding Plastic Replacement Arm For Barrier Parking Gate Operators .....	469.65		18.85
11 12 33 13-0021	EA	Folding Aluminum Replacement Arm For Barrier Parking Gate Operators .....	571.29		18.85
11 12 33 13-0022	EA	Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092) .....	512.07		113.11
11 12 33 13-0023	EA	Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093).....	512.07		113.11
11 12 33 13-0024	EA	Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010).....	517.38		
11 12 33 13-0025	EA	Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B) .....	1,253.41		
11 12 33 13-0026	EA	36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD).....	768.28		18.85
		Note: Includes mounting plate and hardware. Excludes concrete foundation.			
11 12 36		<b>Tire Shredders</b> <small>(11 12)</small>			
11 12 36 00-0001		<b>Tire Shredding Traffic Control Spikes</b> <small>(11 12 36)</small>			
11 12 36 00-0002		<b>Flush Mount, Tire Shredding Traffic Control Spikes</b> <small>(11 12 36 00-0001)</small>			
11 12 36 00-0003	EA	6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081) .....	2,016.70		301.63
11 12 36 00-0004		<b>Surface Mount, Tire Shredding Traffic Control Spikes</b> <small>(11 12 36 00-0001)</small>			
11 12 36 00-0005	EA	3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088).....	3,580.97		150.82
11 12 36 00-0006	EA	3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087) .....	2,564.63		150.82
11 12 36 00-0007		<b>Warning Signs And Signals For Tire Shredding Traffic Control Spikes</b> <small>(11 12 36 00-0001)</small>			
11 12 36 00-0008	EA	Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615).....	1,599.51		56.56
		Note: Includes light and mounting post.			
11 12 36 00-0009	EA	Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603) .....	1,306.91		75.40
		Note: Includes mounting post and hardware.			
11 13		<b>Loading Dock Equipment</b> <small>(11 10)</small>			
11 13 13		<b>Loading Dock Bumpers</b> <small>(11 13)</small>			
11 13 13 00-0001		<b>Laminated Rubber Dock Bumpers</b> <small>(11 13 13)</small>			
11 13 13 00-0002		<b>4-1/2" Projection, Laminated Rubber Dock Bumpers</b> <small>(11 13 13 00-0001)</small>			
11 13 13 00-0003	EA	14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	131.61		20.96
11 13 13 00-0004	EA	24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	166.13		20.96
11 13 13 00-0005	EA	36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	214.82		20.96
11 13 13 00-0006	EA	12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	146.32		20.96
11 13 13 00-0007	EA	14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	158.52		20.96
11 13 13 00-0008	EA	18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	180.32		20.96
11 13 13 00-0009	EA	24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	214.82		20.96
11 13 13 00-0010	EA	36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	292.72		20.96
11 13 13 00-0011	EA	12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	165.80		20.96
11 13 13 00-0012	EA	12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	180.32		20.96
11 13 13 00-0013	EA	12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	221.75		20.96
11 13 13 00-0014	EA	12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	251.13		20.96
11 13 13 00-0015	EA	12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	346.53		20.96
11 13 13 00-0016	EA	11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	204.58		20.96
11 13 13 00-0017	EA	11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	238.75		20.96
11 13 13 00-0018	EA	11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	311.54		20.96
11 13 13 00-0019		<b>6" Projection, Laminated Rubber Dock Bumpers</b> <small>(11 13 13 00-0001)</small>			
11 13 13 00-0020	EA	12" x 10", 6" Projection, Laminated Rubber Dock Bumper.....	186.34		20.96
11 13 13 00-0021	EA	14" x 10", 6" Projection, Laminated Rubber Dock Bumper.....	198.39		20.96
11 13 13 00-0022	EA	18" x 10", 6" Projection, Laminated Rubber Dock Bumper.....	227.44		20.96
11 13 13 00-0023	EA	24" x 10", 6" Projection, Laminated Rubber Dock Bumper.....	271.68		20.96
11 13 13 00-0024	EA	36" x 10", 6" Projection, Laminated Rubber Dock Bumper.....	369.55		20.96
11 13 13 00-0025	EA	12" x 12", 6" Projection, Laminated Rubber Dock Bumper.....	213.08		20.96
11 13 13 00-0026	EA	14" x 12", 6" Projection, Laminated Rubber Dock Bumper.....	222.99		20.96
11 13 13 00-0027	EA	18" x 12", 6" Projection, Laminated Rubber Dock Bumper.....	262.27		20.96

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 13 13 00-0028	EA	24" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	320.86	20.96
11 13 13 00-0029	EA	36" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	484.93	20.96
11 13 13 00-0030	EA	11" x 20", 6" Projection, Laminated Rubber Dock Bumper .....	271.84	20.96
11 13 13 00-0031	EA	11" x 24", 6" Projection, Laminated Rubber Dock Bumper .....	311.13	20.96
11 13 13 00-0032	EA	11" x 36", 6" Projection, Laminated Rubber Dock Bumper .....	316.36	20.96
<b>11 13 13 00-0033</b>		<b>Extruded Rubber Dock Bumpers <small>(11 13 13)</small></b>		
<b>11 13 13 00-0034</b>		<b>1-3/4" Projection, Extruded Rubber Dock Bumpers <small>(11 13 13 00-0033)</small></b>		
11 13 13 00-0035	EA	12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper .....	69.30	20.96
11 13 13 00-0036	EA	18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper .....	74.15	20.96
11 13 13 00-0037	EA	24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper .....	80.62	20.96
11 13 13 00-0038	EA	36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper .....	87.09	20.96
<b>11 13 13 00-0039</b>		<b>4" Projection, Extruded Rubber Dock Bumpers <small>(11 13 13 00-0033)</small></b>		
11 13 13 00-0040	EA	12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper .....	94.67	20.96
11 13 13 00-0041	EA	18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper .....	115.07	20.96
11 13 13 00-0042	EA	24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper .....	120.95	20.96
11 13 13 00-0043	EA	36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper .....	134.33	20.96
<b>11 13 13 00-0044</b>		<b>6" Projection, Extruded Rubber Dock Bumpers <small>(11 13 13 00-0033)</small></b>		
11 13 13 00-0045	EA	12" x 6", 6" Projection, Extruded Rubber Dock Bumper .....	115.61	20.96
11 13 13 00-0046	EA	18" x 6", 6" Projection, Extruded Rubber Dock Bumper .....	143.10	20.96
11 13 13 00-0047	EA	24" x 6", 6" Projection, Extruded Rubber Dock Bumper .....	165.75	20.96
11 13 13 00-0048	EA	36" x 6", 6" Projection, Extruded Rubber Dock Bumper .....	208.96	20.96
<b>11 13 13 00-0049</b>		<b>Molded Rubber Dock Bumpers <small>(11 13 13)</small></b>		
<b>11 13 13 00-0050</b>		<b>Rectangular Molded Rubber Dock Bumpers <small>(11 13 13 00-0049)</small></b>		
11 13 13 00-0051	EA	18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper .....	98.95	20.96
11 13 13 00-0052	EA	10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper .....	86.45	20.96
11 13 13 00-0053	EA	20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper .....	114.96	20.96
11 13 13 00-0054	EA	30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper .....	143.71	20.96
11 13 13 00-0055	EA	24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper .....	150.50	20.96
11 13 13 00-0056	EA	13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper .....	111.69	20.96
11 13 13 00-0057	EA	18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper .....	144.85	20.96
11 13 13 00-0058	EA	30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper .....	213.12	20.96
11 13 13 00-0059	EA	13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper .....	121.61	20.96
11 13 13 00-0060	EA	24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper .....	182.25	20.96
11 13 13 00-0061	EA	18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper .....	181.66	20.96
11 13 13 00-0062	EA	24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper .....	276.02	20.96
<b>11 13 13 00-0063</b>		<b>T And L Shaped Rubber Dock Bumpers <small>(11 13 13 00-0049)</small></b>		
11 13 13 00-0064	EA	22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper .....	172.32	20.96
11 13 13 00-0065	EA	18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper .....	160.13	20.96
<b>11 13 16</b>		<b>Loading Dock Seals and Shelters <small>(11 13)</small></b>		
<b>11 13 16 13</b>		<b>Loading Dock Seals <small>(11 13 16)</small></b>		
<b>11 13 16 13-0001</b>		<b>Vinyl Loading Dock Seals <small>(11 13 16 13)</small></b>		
<b>11 13 16 13-0002</b>		<b>Standard Vinyl Loading Dock Seals <small>(11 13 16 13-0001)</small></b>		
11 13 16 13-0003	LF	10" Projection, Standard, Vinyl Loading Dock Seal .....	92.38	20.96
11 13 16 13-0004	LF	11" Projection, Standard, Vinyl Loading Dock Seal .....	93.62	20.96
11 13 16 13-0005	LF	12" Projection, Standard, Vinyl Loading Dock Seal .....	94.86	20.96
11 13 16 13-0006	LF	13" Projection, Standard, Vinyl Loading Dock Seal .....	97.33	20.96
11 13 16 13-0007	LF	14" Projection, Standard, Vinyl Loading Dock Seal .....	99.81	20.96
11 13 16 13-0008	LF	15" Projection, Standard, Vinyl Loading Dock Seal .....	102.32	20.96
11 13 16 13-0009	LF	16" Projection, Standard, Vinyl Loading Dock Seal .....	104.83	20.96
11 13 16 13-0010	LF	17" Projection, Standard, Vinyl Loading Dock Seal .....	107.41	20.96
11 13 16 13-0011	LF	18" Projection, Standard, Vinyl Loading Dock Seal .....	109.99	20.96
11 13 16 13-0012	LF	19" Projection, Standard, Vinyl Loading Dock Seal .....	112.46	20.96
11 13 16 13-0013	LF	20" Projection, Standard, Vinyl Loading Dock Seal .....	114.94	20.96
11 13 16 13-0014	LF	22" Projection, Standard, Vinyl Loading Dock Seal .....	119.96	20.96
<b>11 13 16 13-0015</b>		<b>8" Exposure Wear Pleats, Vinyl Loading Dock Seals <small>(11 13 16 13-0001)</small></b>		
11 13 16 13-0016	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	107.10	20.96
11 13 16 13-0017	LF	11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	108.34	20.96
11 13 16 13-0018	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	109.57	20.96
11 13 16 13-0019	LF	13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	112.08	20.96
11 13 16 13-0020	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	114.59	20.96
11 13 16 13-0021	LF	15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	117.07	20.96
11 13 16 13-0022	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	119.55	20.96
11 13 16 13-0023	LF	17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	122.06	20.96
11 13 16 13-0024	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	124.57	20.96
11 13 16 13-0025	LF	19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	127.04	20.96
11 13 16 13-0026	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	129.59	20.96

**11 Equipment**  
**11 10 Vehicle and Pedestrian Equipment**  
**11 13 Loading Dock Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0027	LF		22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	134.54	20.96
<b>11 13 16 13-0028</b>			<b>4" Exposure Wear Pleats, Vinyl Loading Dock Seals <small>(11 13 16 13-0001)</small></b>		
11 13 16 13-0029	LF		10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	114.94	20.96
11 13 16 13-0030	LF		11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	116.21	20.96
11 13 16 13-0031	LF		12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	117.48	20.96
11 13 16 13-0032	LF		13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	119.96	20.96
11 13 16 13-0033	LF		14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	122.43	20.96
11 13 16 13-0034	LF		15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	124.95	20.96
11 13 16 13-0035	LF		16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	127.46	20.96
11 13 16 13-0036	LF		17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	129.93	20.96
11 13 16 13-0037	LF		18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	132.41	20.96
11 13 16 13-0038	LF		19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	134.92	20.96
11 13 16 13-0039	LF		20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	137.43	20.96
11 13 16 13-0040	LF		22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	142.52	20.96
<b>11 13 16 13-0041</b>			<b>Vinyl Loading Dock Seals With Drape Curtain <small>(11 13 16 13)</small></b>		
<b>11 13 16 13-0042</b>			<b>Standard, Vinyl Loading Dock Seals With Drape Curtain <small>(11 13 16 13-0041)</small></b>		
11 13 16 13-0043	LF		10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	85.83	20.96
11 13 16 13-0044	LF		12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	87.77	20.96
11 13 16 13-0045	LF		14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	92.08	20.96
11 13 16 13-0046	LF		16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	96.32	20.96
11 13 16 13-0047	LF		18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	100.68	20.96
11 13 16 13-0048	LF		20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	104.93	20.96
11 13 16 13-0049	LF		22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	109.23	20.96
<b>11 13 16 13-0050</b>			<b>8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain <small>(11 13 16 13-0041)</small></b>		
11 13 16 13-0051	LF		10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	99.74	20.96
11 13 16 13-0052	LF		12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	101.74	20.96
11 13 16 13-0053	LF		14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	106.05	20.96
11 13 16 13-0054	LF		16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	110.35	20.96
11 13 16 13-0055	LF		18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	114.59	20.96
11 13 16 13-0056	LF		20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	118.90	20.96
11 13 16 13-0057	LF		22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	123.14	20.96
<b>11 13 16 13-0058</b>			<b>4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain <small>(11 13 16 13-0041)</small></b>		
11 13 16 13-0059	LF		10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	107.29	20.96
11 13 16 13-0060	LF		12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	109.23	20.96
11 13 16 13-0061	LF		14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	113.59	20.96
11 13 16 13-0062	LF		16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	117.84	20.96
11 13 16 13-0063	LF		18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	122.14	20.96
11 13 16 13-0064	LF		20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	126.38	20.96
11 13 16 13-0065	LF		22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	130.75	20.96
<b>11 13 16 23</b>			<b>Loading Dock Shelters <small>(11 13 16)</small></b>		
<b>11 13 16 23-0001</b>			<b>Retractable Vinyl Loading Dock Shelter <small>(11 13 16 23)</small></b>		
11 13 16 23-0002	LF		Retractable Vinyl Dock Shelters, Scissor Arms .....	145.00	26.20
<b>11 13 16 23-0003</b>			<b>Rigid Loading Dock Shelters <small>(11 13 16 23)</small></b>		
11 13 16 23-0004	LF		18" Projection, Rigid Loading Dock Shelter .....	108.20	25.15
11 13 16 23-0005	LF		24" Projection, Rigid Loading Dock Shelter .....	112.77	25.15
11 13 16 23-0006	LF		30" Projection, Rigid Loading Dock Shelter .....	117.11	26.20
11 13 16 23-0007	LF		36" Projection, Rigid Loading Dock Shelter .....	120.26	26.20
<b>11 13 19</b>			<b>Stationary Loading Dock Equipment <small>(11 13)</small></b>		
			Note: Includes all anchor bolts and fasteners.		
<b>11 13 19 13</b>			<b>Loading Dock Levelers <small>(11 13 19)</small></b>		
<b>11 13 19 13-0001</b>			<b>Hydraulic Dock Levelers <small>(11 13 19 13)</small></b>		
			Note: Excludes control panel, remote operator, and electrical wiring.		
<b>11 13 19 13-0002</b>			<b>20,000 LB Hydraulic Dock Levelers <small>(11 13 19 13-0001)</small></b>		
11 13 19 13-0003	EA		6' x 6', 20,000 LB Hydraulic Dock Leveler .....	6,618.26	857.83
11 13 19 13-0004	EA		6' x 8', 20,000 LB Hydraulic Dock Leveler .....	7,085.82	953.14
11 13 19 13-0005	EA		6' x 10', 20,000 LB Hydraulic Dock Leveler .....	8,648.72	1,143.76
11 13 19 13-0006	EA		7' x 6', 20,000 LB Hydraulic Dock Leveler .....	7,041.64	953.14
11 13 19 13-0007	EA		7' x 8', 20,000 LB Hydraulic Dock Leveler .....	7,643.76	1,048.46
11 13 19 13-0008	EA		7' x 10', 20,000 LB Hydraulic Dock Leveler .....	9,161.49	1,239.08
<b>11 13 19 13-0009</b>			<b>25,000 LB Hydraulic Dock Levelers <small>(11 13 19 13-0001)</small></b>		
11 13 19 13-0010	EA		6' x 6', 25,000 LB Hydraulic Dock Leveler .....	6,747.55	857.83
11 13 19 13-0011	EA		6' x 8', 25,000 LB Hydraulic Dock Leveler .....	7,218.38	953.14
11 13 19 13-0012	EA		6' x 10', 25,000 LB Hydraulic Dock Leveler .....	8,772.90	1,143.76
11 13 19 13-0013	EA		7' x 6', 25,000 LB Hydraulic Dock Leveler .....	7,166.92	953.14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 13 19 13-0014	EA	7' x 8', 25,000 LB Hydraulic Dock Leveler.....	7,759.03	1,048.46
11 13 19 13-0015	EA	7' x 10', 25,000 LB Hydraulic Dock Leveler.....	9,405.27	1,239.08
<b>11 13 19 13-0016</b>		<b>30,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		
11 13 19 13-0017	EA	6' x 6', 30,000 LB Hydraulic Dock Leveler.....	7,077.28	1,000.80
11 13 19 13-0018	EA	6' x 8', 30,000 LB Hydraulic Dock Leveler.....	7,531.93	1,143.76
11 13 19 13-0019	EA	6' x 10', 30,000 LB Hydraulic Dock Leveler.....	9,159.82	1,334.39
11 13 19 13-0020	EA	7' x 6', 30,000 LB Hydraulic Dock Leveler.....	7,531.93	1,143.76
11 13 19 13-0021	EA	7' x 8', 30,000 LB Hydraulic Dock Leveler.....	8,094.73	1,286.74
11 13 19 13-0022	EA	7' x 10', 30,000 LB Hydraulic Dock Leveler.....	9,722.62	1,382.06
<b>11 13 19 13-0023</b>		<b>35,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		
11 13 19 13-0024	EA	6' x 6', 35,000 LB Hydraulic Dock Leveler.....	7,322.43	1,048.46
11 13 19 13-0025	EA	6' x 8', 35,000 LB Hydraulic Dock Leveler.....	7,778.48	1,191.43
11 13 19 13-0026	EA	6' x 10', 35,000 LB Hydraulic Dock Leveler.....	8,782.94	1,382.06
11 13 19 13-0027	EA	7' x 6', 35,000 LB Hydraulic Dock Leveler.....	7,778.48	1,191.43
11 13 19 13-0028	EA	7' x 8', 35,000 LB Hydraulic Dock Leveler.....	8,450.42	1,334.39
11 13 19 13-0029	EA	7' x 10', 35,000 LB Hydraulic Dock Leveler.....	10,120.26	1,429.71
<b>11 13 19 13-0030</b>		<b>40,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		
11 13 19 13-0031	EA	6' x 6', 40,000 LB Hydraulic Dock Leveler.....	7,727.59	1,048.46
11 13 19 13-0032	EA	6' x 8', 40,000 LB Hydraulic Dock Leveler.....	8,182.95	1,191.43
11 13 19 13-0033	EA	6' x 10', 40,000 LB Hydraulic Dock Leveler.....	9,840.19	1,382.06
11 13 19 13-0034	EA	7' x 6', 40,000 LB Hydraulic Dock Leveler.....	8,182.95	1,191.43
11 13 19 13-0035	EA	7' x 8', 40,000 LB Hydraulic Dock Leveler.....	8,855.74	1,334.39
11 13 19 13-0036	EA	7' x 10', 40,000 LB Hydraulic Dock Leveler.....	10,525.28	1,429.71
<b>11 13 19 13-0037</b>		<b>45,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		
11 13 19 13-0038	EA	6' x 6', 45,000 LB Hydraulic Dock Leveler.....	8,085.06	1,096.11
11 13 19 13-0039	EA	6' x 8', 45,000 LB Hydraulic Dock Leveler.....	8,549.21	1,239.08
11 13 19 13-0040	EA	6' x 10', 45,000 LB Hydraulic Dock Leveler.....	10,196.18	1,429.71
11 13 19 13-0041	EA	7' x 6', 45,000 LB Hydraulic Dock Leveler.....	8,550.65	1,239.08
11 13 19 13-0042	EA	7' x 8', 45,000 LB Hydraulic Dock Leveler.....	9,216.86	1,382.06
11 13 19 13-0043	EA	7' x 10', 45,000 LB Hydraulic Dock Leveler.....	10,873.36	1,477.37
<b>11 13 19 13-0044</b>		<b>Manual Dock Levelers (11 13 19 13)</b>		
<b>11 13 19 13-0045</b>		<b>20,000 LB Manual Dock Levelers (11 13 19 13-0044)</b>		
11 13 19 13-0046	EA	6' x 6', 20,000 LB Manual Dock Leveler.....	5,300.25	857.83
11 13 19 13-0047	EA	6' x 8', 20,000 LB Manual Dock Leveler.....	5,776.14	953.14
11 13 19 13-0048	EA	6' x 10', 20,000 LB Manual Dock Leveler.....	7,330.71	1,143.76
11 13 19 13-0049	EA	7' x 6', 20,000 LB Manual Dock Leveler.....	5,724.82	953.14
11 13 19 13-0050	EA	7' x 8', 20,000 LB Manual Dock Leveler.....	6,325.75	1,048.46
11 13 19 13-0051	EA	7' x 10', 20,000 LB Manual Dock Leveler.....	7,977.90	1,143.76
<b>11 13 19 13-0052</b>		<b>40,000 LB Manual Dock Levelers (11 13 19 13-0044)</b>		
11 13 19 13-0053	EA	6' x 6', 40,000 LB Manual Dock Leveler.....	6,526.15	953.14
11 13 19 13-0054	EA	6' x 8', 40,000 LB Manual Dock Leveler.....	6,981.51	1,048.46
11 13 19 13-0055	EA	6' x 10', 40,000 LB Manual Dock Leveler.....	7,618.13	1,239.08
11 13 19 13-0056	EA	7' x 6', 40,000 LB Manual Dock Leveler.....	6,981.51	1,048.46
11 13 19 13-0057	EA	7' x 8', 40,000 LB Manual Dock Leveler.....	7,926.71	1,143.76
11 13 19 13-0058	EA	7' x 10', 40,000 LB Manual Dock Leveler.....	9,323.84	1,334.39
<b>11 13 19 13-0059</b>		<b>Edge Of Dock Levelers (11 13 19 13)</b>		
Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.				
<b>11 13 19 13-0060</b>		<b>Hydraulic Edge Of Dock Levelers (11 13 19 13-0059)</b>		
Note: Excludes control panel, remote operator, and electrical wiring.				
11 13 19 13-0061	EA	66" Usable Width, 20,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2066).....	4,321.79	285.95
11 13 19 13-0062	EA	72" Usable Width, 20,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2072).....	4,650.60	285.95
11 13 19 13-0063	EA	66" Usable Width, 25,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2566).....	4,603.01	285.95
11 13 19 13-0064	EA	72" Usable Width, 25,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2572).....	5,054.40	285.95
11 13 19 13-0065	EA	66" Usable Width, 20,000 LB Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED6620).....	3,553.21	285.95
11 13 19 13-0066	EA	72" Usable Width, 20,000 LB Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED7220).....	3,742.41	285.95
<b>11 13 19 13-0067</b>		<b>Manual Edge Of Dock Levelers (11 13 19 13-0059)</b>		
11 13 19 13-0068	EA	66" Usable Width, 20,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2066).....	2,227.24	285.95
11 13 19 13-0069	EA	72" Usable Width, 20,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2072).....	2,425.32	285.95
11 13 19 13-0070	EA	66" Usable Width, 25,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2566).....	2,485.90	285.95
11 13 19 13-0071	EA	72" Usable Width, 25,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2572).....	2,634.45	285.95
11 13 19 13-0072	EA	66" Usable Width, 25,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP66).....	2,039.61	285.95
11 13 19 13-0073	EA	72" Usable Width, 25,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP72).....	2,289.31	285.95
11 13 19 13-0074	EA	78" Usable Width, 25,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP78).....	2,473.01	285.95
11 13 19 13-0075	EA	72" Usable Width, 30,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72).....	2,499.41	285.95
11 13 19 13-0076	EA	66" Usable Width, 20,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 20EP66-R).....	2,248.61	285.95
11 13 19 13-0077	EA	78" Usable Width, 30,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP78-R).....	3,010.91	285.95
11 13 19 13-0078	EA	72" Usable Width, 30,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72-R).....	2,847.01	285.95

<b>11</b>	<b>11 Equipment</b>
	<b>11 10 Vehicle and Pedestrian Equipment</b>
	<b>11 13 Loading Dock Equipment</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**11 13 19 23 Stationary Loading Dock Lifts** (11 13 19)

<b>11 13 19 23-0001</b>	<b>Top Of Ground, Fixed Platform Lifts</b> <small>(11 13 19 23)</small>		
11 13 19 23-0002	EA 6' x 8', 5,500 LB Top Of Ground, Fixed Platform Lift.....	17,439.46	211.29
<b>11 13 19 23-0003</b>	<b>Pit Mounted, Fixed Platform Lifts</b> <small>(11 13 19 23)</small>		
11 13 19 23-0004	EA 6' x 8', 5,000 LB Fixed Platform Lift, Pit Mounted.....	11,891.90	211.29
11 13 19 23-0005	EA 6' x 8', 8,000 LB Fixed Platform Lift, Pit Mounted.....	21,417.93	316.93
11 13 19 23-0006	EA 7' x 12', 15,000 LB Fixed Platform Lift, Pit Mounted.....	37,537.27	633.86
11 13 19 23-0007	EA 8' x 20', 15,000 LB Fixed Platform Lift, Pit Mounted.....	39,327.90	845.15

**11 13 19 26 Loading Dock Truck Lifts** (11 13 19)

<b>11 13 19 26-0001</b>	<b>Hydraulic Truck Lifts</b> <small>(11 13 19 26)</small>		
11 13 19 26-0002	EA 10' x 15', 60,000 LB Platform Truck Lift.....	34,287.58	1,516.07
11 13 19 26-0003	EA 10' x 20', 60,000 LB Platform Truck Lift.....	39,185.41	1,819.29

**11 13 19 33 Loading Dock Truck Restraints** (11 13 19)

<b>11 13 19 33-0001</b>	<b>Truck Restraint System</b> <small>(11 13 19 33)</small>		
11 13 19 33-0002	EA Truck Restraint System (Poweramp Powerstop AAL)..... Note: Includes push button controls, warning lights, alarms, 30,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	8,069.71	357.42
11 13 19 33-0003	EA Rotating Hook Truck Restraint System (Kelley Star 4)..... Note: Includes push button controls, warning lights, alarms, 32,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	7,087.91	357.42

**11 13 23 Portable Dock Equipment** (11 13)

**11 13 23 23 Portable Dock Platforms** (11 13 23)

11 13 23 23-0001	EA 6' x 6', 5,000 LB Capacity Portable Platform Lift.....	11,467.52	94.26
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**11 13 26 Loading Dock Lights** (11 13)

<b>11 13 26 00-0001</b>	<b>Communication Lights</b> <small>(11 13 26)</small>		
11 13 26 00-0002	EA Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC..... Note: Excludes control console.	285.90	72.34
11 13 26 00-0003	EA Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC.....	353.98	72.34
11 13 26 00-0004	EA Dock Guide Light For Truck Backing.....	158.70	57.88
<b>11 13 26 00-0005</b>	<b>Communication Lights Controls</b> <small>(11 13 26)</small>		
11 13 26 00-0006	EA Dock Communication Lights Control Console For Up To Two Docks.....	309.62	96.46
<b>11 13 26 00-0007</b>	<b>Loading Dock Lights</b> <small>(11 13 26)</small>		
<b>11 13 26 00-0008</b>	<b>Incandescent Loading Dock Lights</b> <small>(11 13 26 00-0007)</small>		
11 13 26 00-0009	EA 24" Long, Single Arm Loading Dock Light, 300W Incandescent.....	417.86	96.46
11 13 26 00-0010	EA 40" Long, Dual Arm Loading Dock Light, 300W Incandescent.....	366.33	96.46
11 13 26 00-0011	EA 60" Long, Dual Arm Loading Dock Light, 300W Incandescent.....	496.32	96.46
<b>11 13 26 00-0012</b>	<b>Metal Halide Loading Dock Lights</b> <small>(11 13 26 00-0007)</small>		
11 13 26 00-0013	EA 24" Long, Single Arm Loading Dock Light, 100W Metal Halide.....	595.97	96.46
11 13 26 00-0014	EA 40" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	657.04	96.46
11 13 26 00-0015	EA 60" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	705.88	96.46
<b>11 13 26 00-0016</b>	<b>Quartz Halogen Loading Dock Lights</b> <small>(11 13 26 00-0007)</small>		
11 13 26 00-0017	EA 24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen.....	359.46	96.46
11 13 26 00-0018	EA 40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	398.10	96.46
11 13 26 00-0019	EA 60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	431.08	96.46

**11 14 Pedestrian Control Equipment** (11 10)

**11 14 13 Pedestrian Gates** (11 14)

**11 14 13 16 Rotary Gates** (11 14 13)

<b>11 14 13 16-0001</b>	<b>Access Control Indoor Or Outdoor Impenetrability</b> <small>(11 14 13 16)</small>		
<b>11 14 13 16-0002</b>	<b>Mechanical</b> <small>(11 14 13 16-0001)</small>		
<b>11 14 13 16-0003</b>	<b>Galvanized Steel</b> <small>(11 14 13 16-0002)</small>		
11 14 13 16-0004	EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel.....	9,340.50	1,404.84
11 14 13 16-0005	EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel.....	10,469.08	1,404.84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0006 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel.....	20,556.64	2,095.96
11 14 13 16-0007 EA One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel.....	19,934.26	2,095.96
<b>11 14 13 16-0008 Powder Coated Steel</b> <small>(11 14 13 16-0002)</small>		
11 14 13 16-0009 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	10,483.61	1,404.84
11 14 13 16-0010 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel.....	11,568.62	1,404.84
11 14 13 16-0011 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	24,106.29	2,095.96
11 14 13 16-0012 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	21,809.70	2,095.96
<b>11 14 13 16-0013 Anodized Aluminum</b> <small>(11 14 13 16-0002)</small>		
11 14 13 16-0014 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	10,979.43	1,404.84
11 14 13 16-0015 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum.....	18,574.55	1,404.84
11 14 13 16-0016 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	21,718.42	2,095.96
11 14 13 16-0017 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum.....	36,024.86	2,095.96
<b>11 14 13 16-0018 Stainless Steel</b> <small>(11 14 13 16-0002)</small>		
11 14 13 16-0019 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	16,985.40	1,404.84
11 14 13 16-0020 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel.....	18,989.47	1,404.84
11 14 13 16-0021 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	27,195.36	2,095.96
11 14 13 16-0022 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	33,709.61	2,095.96
<b>11 14 13 16-0023 Transparent</b> <small>(11 14 13 16-0002)</small>		
11 14 13 16-0024 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent.....	33,096.75	1,405.05
<b>11 14 13 16-0025 Mechanical Options</b> <small>(11 14 13 16-0001)</small>		
11 14 13 16-0026 EA Out-of-Use Lock Option, Add.....	176.34	
11 14 13 16-0027 EA Heel Protector (Each Heel Protector), Add.....	124.48	
<b>11 14 13 16-0028 Electrical, One-Way</b> <small>(11 14 13 16-0001)</small>		
<b>11 14 13 16-0029 Galvanized Steel</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0030 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	9,840.48	1,404.84
11 14 13 16-0031 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel.....	10,971.14	1,404.84
11 14 13 16-0032 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	22,423.78	2,095.96
11 14 13 16-0033 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	20,741.28	2,095.96
11 14 13 16-0034 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel.....	22,423.78	2,095.96
<b>11 14 13 16-0035 Powder Coated Steel</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0036 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	10,981.51	1,404.84
11 14 13 16-0037 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	12,244.94	1,404.84
11 14 13 16-0038 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	29,703.56	2,095.96
11 14 13 16-0039 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	22,627.10	2,095.96
11 14 13 16-0040 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	24,313.75	2,095.96
<b>11 14 13 16-0041 Anodized Aluminum</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0042 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	11,188.97	1,404.84
11 14 13 16-0043 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	11,832.10	1,404.84
11 14 13 16-0044 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	19,196.93	1,404.84
11 14 13 16-0045 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	22,861.53	2,095.96
11 14 13 16-0046 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	25,328.22	2,095.96
11 14 13 16-0047 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	37,101.58	2,095.96
<b>11 14 13 16-0048 Stainless Steel</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0049 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	18,033.07	1,404.84
11 14 13 16-0050 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	19,257.09	1,404.84
11 14 13 16-0051 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	31,087.31	2,095.96
11 14 13 16-0052 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	35,309.13	2,095.96
11 14 13 16-0053 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	38,833.87	2,095.96
<b>11 14 13 16-0054 Transparent</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0055 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	30,240.02	1,405.05
11 14 13 16-0056 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	31,974.39	1,405.05
11 14 13 16-0057 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels.....	32,731.62	1,405.05
11 14 13 16-0058 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	53,750.24	2,095.96
11 14 13 16-0059 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	57,090.35	2,095.96
<b>11 14 13 16-0060 Electrical, Two-Way</b> <small>(11 14 13 16-0001)</small>		
<b>11 14 13 16-0061 Galvanized Steel</b> <small>(11 14 13 16-0060)</small>		

**11 Equipment**  
**11 10 Vehicle and Pedestrian Equipment**  
**11 14 Pedestrian Control Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0062	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	10,562.44	1,404.84
11 14 13 16-0063	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel.....	11,726.29	1,404.84
11 14 13 16-0064	EA		Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel .....	26,390.42	2,095.96
11 14 13 16-0065	EA		Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel .....	22,029.61	2,095.96
<b>11 14 13 16-0066</b>			<b>Powder Coated Steel</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0067	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel .....	11,614.26	1,404.84
11 14 13 16-0068	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel .....	12,950.30	1,404.84
11 14 13 16-0069	EA		Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel .....	30,330.09	2,095.96
11 14 13 16-0070	EA		Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	23,925.80	2,095.96
<b>11 14 13 16-0071</b>			<b>Anodized Aluminum</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0072	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	11,900.56	1,404.84
11 14 13 16-0073	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	12,514.64	1,404.84
11 14 13 16-0074	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum .....	20,024.69	1,404.84
11 14 13 16-0075	EA		Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	24,311.67	2,095.96
11 14 13 16-0076	EA		Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum .....	38,448.00	2,095.96
<b>11 14 13 16-0077</b>			<b>Stainless Steel</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0078	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel .....	18,734.29	1,404.84
11 14 13 16-0079	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel .....	19,979.05	1,404.84
11 14 13 16-0080	EA		Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel .....	31,601.82	2,095.96
11 14 13 16-0081	EA		Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	36,346.43	2,095.96
11 14 13 16-0082	EA		Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	40,265.34	2,095.96
<b>11 14 13 16-0083</b>			<b>Transparent</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0084	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms .....	30,841.66	1,405.05
11 14 13 16-0085	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms .....	32,472.29	1,405.05
11 14 13 16-0086	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels.....	33,407.94	1,405.05
11 14 13 16-0087	EA		Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms .....	55,015.75	2,095.96
11 14 13 16-0088	EA		One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	58,127.65	2,095.96
<b>11 14 13 16-0089</b>			<b>Electrical Options</b> <small>(11 14 13 16-0001)</small>		
11 14 13 16-0090	EA		Additional Set Of Electric Controls, Per Rotor, Add.....	690.84	
11 14 13 16-0091	EA		Indicator Lights, Set, Red/Green, Per Controlled Direction, Add.....	485.46	
11 14 13 16-0092	EA		Time-Out-Relay, Per Controlled Direction .....	159.74	
11 14 13 16-0093	EA		Pulse-Relay, Per Controlled Direction.....	159.74	
11 14 13 16-0094	EA		Pushbutton, Per Controlled Direction .....	126.55	
11 14 13 16-0095	EA		Heel Protectors, (Per Heel Protector), Add .....	124.48	
11 14 13 16-0096	EA		Card Reader Mounting Pad, Per Reader .....	114.10	
11 14 13 16-0097	EA		Hydraulic Speed Control (Per Rotor), Add .....	2,898.22	
<b>11 14 13 16-0098</b>			<b>Relocate Rotary Gate</b> <small>(11 14 13 16-0001)</small>		
11 14 13 16-0099	EA		Relocate Rotary Gate.....	4,126.69	
<b>11 14 13 19</b>			<b>Turnstiles</b> <small>(11 14 13)</small>		
<b>11 14 13 19-0001</b>			<b>Turnstiles</b> <small>(11 14 13 19)</small>		
11 14 13 19-0002	EA		24" Diameter Manual Turnstile, Three Arm, Two Way .....	2,065.77	396.16
11 14 13 19-0003	EA		24" Diameter Manual Turnstile, Three Arm, Two Way With Counter .....	2,649.93	396.16
<b>11 14 16</b>			<b>Pedestrian Control Devices</b> <small>(11 14)</small>		
<b>11 14 16 00-0001</b>			<b>Retractable Barrier</b> <small>(11 14 16)</small>		
11 14 16 00-0002	EA		Wall Mounted, Retractable Belt Barrier With Receiver; 6-1/2' (WG269387BK).....	72.65	16.97
11 14 16 00-0003	EA		Wall Mounted, Retractable Belt Barrier With Receiver; 10' (WGB2093791) .....	127.71	16.97
11 14 16 00-0004	EA		Wall Mounted, Retractable Belt Barrier With Receiver; 15' (WGB2093770) .....	155.23	16.97
11 14 16 00-0005	EA		Wall Mounted, Retractable Belt Barrier With Receiver; 30' (WGB2093771) .....	251.58	16.97
<b>11 20 Commercial Equipment</b> <small>(11)</small>					
<b>11 21 Retail and Service Equipment</b> <small>(11 20)</small>					
<b>11 21 63 Refrigerated Display Equipment</b> <small>(11 21)</small>					
<b>11 21 63 00-0001 Dairy Products</b> <small>(11 21 63)</small>					
<b>11 21 63 00-0002 Refrigerated Dairy Case</b> <small>(11 21 63 00-0001)</small>					
11 21 63 00-0003	LF		Refrigerated Case, Dairy, Multi-Deck..... <i>For Rear Sliding Doors, Add</i>	1,559.34 19.95	305.39



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 21 63 00-0004			<b>Refrigerated Milk Unit</b> <small>(11 21 63 00-0001)</small>		
11 21 63 00-0005	EA		46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit.....	7,303.33	221.48
11 21 63 00-0006			<b>Refrigerated Ice Cream And Milk Dispenser</b> <small>(11 21 63 00-0001)</small>		
11 21 63 00-0007	EA		63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser.....	8,097.16	243.23
11 21 63 00-0008			<b>Ice Cream Dispenser</b> <small>(11 21 63 00-0001)</small>		
11 21 63 00-0009	EA		46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser.....	6,763.07	204.80
11 21 63 00-0010			<b>Drop-In Ice Cream Freezer</b> <small>(11 21 63 00-0001)</small>		
11 21 63 00-0011	EA		27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer.....	1,686.58	50.97
11 21 63 00-0012	EA		30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer.....	2,203.95	66.65
11 21 63 00-0013			<b>Ice Cream Cabinets</b> <small>(11 21 63 00-0001)</small>		
11 21 63 00-0014	EA		46" x 32" x 42", 24 Gallon Ice Cream Cabinet.....	5,282.38	159.28
11 21 63 00-0015	EA		68" x 32" x 42", 48 Gallon Ice Cream Cabinet.....	7,525.31	229.87
11 21 63 00-0016			<b>Delicatessen Case, Service Deli</b> <small>(11 21 63)</small>		
11 21 63 00-0017	LF		Delicatessen Case, Single-Deck.....	1,536.85	254.49
11 21 63 00-0018	LF		Delicatessen Case, Multi-Deck.....	1,726.22	305.39
11 21 63 00-0019	EA		Delicatessen Case, 3 Shelf, 32" x 23" x 23".....	1,957.98	73.90
11 21 63 00-0020			<b>Meat Case</b> <small>(11 21 63)</small>		
11 21 63 00-0021	LF		Meat Case, Single - Deck.....	1,152.14	305.39
11 21 63 00-0022	LF		Meat Case, Multi - Deck.....	1,247.46	305.39
11 21 63 00-0023			<b>Produce Case</b> <small>(11 21 63)</small>		
11 21 63 00-0024	LF		Single Deck Produce Case.....	1,198.41	305.39
11 21 63 00-0025	LF		Multi-Deck Produce Case.....	1,321.29	305.39
11 21 63 00-0026			<b>Bottle Coolers</b> <small>(11 21 63)</small>		
11 21 63 00-0027	EA		Bottle Cooler, 6' Long.....	4,434.31	1,017.97
11 21 63 00-0028	EA		Bottle Cooler, 10' Long.....	6,715.40	1,526.94
11 21 63 00-0029			<b>Cold Pan Units</b> <small>(11 21 63)</small>		
11 21 63 00-0030	EA		5" x 48", Iced, Cold Pan Units.....	2,703.49	81.11
11 21 63 00-0031	EA		5" x 72", Iced, Cold Pan Units.....	3,756.15	113.47
11 21 63 00-0032	EA		8" x 72", Iced, Cold Pan Units.....	4,441.16	134.21
11 21 63 00-0033	EA		5" x 48", Mechanical, Cold Pan Units.....	4,565.74	138.65
11 21 63 00-0034	EA		8" x 48", Mechanical, Cold Pan Units.....	4,969.18	149.67
11 21 63 00-0035	EA		8" x 72", Mechanical, Cold Pan Units.....	5,904.32	176.88
11 21 63 00-0036			<b>Cold Cabinets (Insulated)</b> <small>(11 21 63)</small>		
11 21 63 00-0037	EA		69-3/4" x 32" x 24", Insulated Cold Cabinet.....	2,454.41	70.19

11 22 Banking Equipment (11 20)

11 22 13 Vault Equipment (11 22)

11 22 13 16 Safes (11 22 13)

11 22 13 16-0001 In Room Safes (11 22 13 16)

11 22 13 16-0002	EA		8-1/8" x 7-3/16" x 10-3/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 25).....	571.94	10.48
11 22 13 16-0003	EA		8-1/8" x 7-3/16" x 16-5/8" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 41).....	535.56	10.48
11 22 13 16-0004	EA		8-1/8" x 7-3/16" x 19-13/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 49).....	557.38	10.48
11 22 13 16-0005	EA		8-1/8" x 7-3/16" x 10-3/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 25).....	622.87	10.48
			Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.		
11 22 13 16-0006	EA		8-1/8" x 7-3/16" x 16-5/8" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 41).....	644.70	10.48
			Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.		
11 22 13 16-0007	EA		8-1/8" x 7-3/16" x 19-13/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 49).....	666.53	10.48
			Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.		
11 22 13 16-0008	EA		7-5/8" x 14" x 10-11/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 27).....	427.52	13.10
			Note: Includes security wire.		
11 22 13 16-0009	EA		7-5/8" x 14" x 17-1/2" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 43).....	442.07	13.10
			Note: Includes security wire.		
11 22 13 16-0010	EA		7-5/8" x 14" x 20-3/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 50).....	456.63	13.10
			Note: Includes security wire.		

11 28 Office Equipment (11 20)

11 28 13 Computers (11 28)

11	<b>11 Equipment</b>
	<b>11 20 Commercial Equipment</b>
	<b>11 28 Office Equipment</b>

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

11 28 13 00-0001	<b>Accessories</b> <small>(11 28 13)</small>		
11 28 13 00-0002	EA 32" Wall Track, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KN-020)	814.30	48.13
11 28 13 00-0003	EA 32" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KU-020)	998.99	52.95
11 28 13 00-0004	EA 32" Wall Track, eDesk, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EN-020)	1,299.90	57.76
11 28 13 00-0005	EA 32" Wall Track, eDesk, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EU-020)	1,405.77	62.57
11 28 13 00-0006	EA 32" Wall Track, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KN-020)	1,038.59	52.95
11 28 13 00-0007	EA 32" Wall Track, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KU-020)	1,083.38	52.95
11 28 13 00-0008	EA 32" Wall Track, eDesk, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EN-020)	1,533.83	67.39
11 28 13 00-0009	EA 32" Wall Track, eDesk, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EU-020)	1,630.07	67.39
11 28 13 00-0010	EA 25" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (Ergotron 45-271-026)	864.85	52.95
11 28 13 00-0011	EA 37" To 61" Universal Tilt Flat Monitor Wall Mount (Premier Mounts CTM-MS2)	248.89	52.95
11 28 13 00-0012	EA 32" To 56" Universal Tilt Flat Monitor Wall Mount (Peerless ST650P)	181.97	52.95

11 30 Residential Equipment (11)

11 30 13 Residential Appliances (11 30)

**11 30 13 13 Residential Kitchen Appliances** (11 30 13)

Note: Includes standard colors. Excludes stainless steel.

11 30 13 13-0001	<b>Ranges With Ovens</b> <small>(11 30 13 13)</small>		
	Note: Free standing or slide in.		
11 30 13 13-0002	<b>Electric Ranges With Ovens</b> <small>(11 30 13 13-0001)</small>		
11 30 13 13-0003	EA 20" Electric Range With Oven	699.20	75.40
	<i>For Stainless Steel, Add</i>	137.10	
11 30 13 13-0004	EA 24" Electric Range With Oven	730.63	75.40
	<i>For Stainless Steel, Add</i>	144.95	
11 30 13 13-0005	EA 30" Electric Range With Oven	702.35	75.40
	<i>For Stainless Steel, Add</i>	156.74	
11 30 13 13-0006	EA 30" Free-Standing Electric Range With Oven (Hotpoint® RB525DHWW)	705.23	75.40
11 30 13 13-0007	<b>Gas Ranges With Ovens</b> <small>(11 30 13 13-0001)</small>		
11 30 13 13-0008	EA 20" Gas Range With Oven	777.77	75.40
	<i>For Stainless Steel, Add</i>	156.74	
11 30 13 13-0009	EA 24" Gas Range With Oven	818.62	75.40
	<i>For Stainless Steel, Add</i>	166.95	
11 30 13 13-0010	EA 30" Gas Range With Oven	856.33	75.40
	<i>For Stainless Steel, Add</i>	176.38	
11 30 13 13-0011	<b>Range Hoods</b> <small>(11 30 13 13)</small>		
11 30 13 13-0012	<b>Venting Range Hoods</b> <small>(11 30 13 13-0011)</small>		
11 30 13 13-0013	EA 21" Venting Range Hood (Broan 40000)	236.76	56.56
	<i>For Stainless Steel, Add</i>	18.55	
11 30 13 13-0014	EA 24" Venting Range Hood (Broan 40000)	218.39	56.56
	<i>For Stainless Steel, Add</i>	15.79	
11 30 13 13-0015	EA 30" Venting Range Hood (Broan 40000)	215.17	56.56
	<i>For Stainless Steel, Add</i>	15.31	
11 30 13 13-0016	EA 36" Venting Range Hood (Broan 40000)	218.39	56.56
	<i>For Stainless Steel, Add</i>	15.79	
11 30 13 13-0017	<b>Non-Ducted Range Hoods</b> <small>(11 30 13 13-0011)</small>		
11 30 13 13-0018	EA 21" Non Ducted Range Hood (Broan 41000)	239.13	56.56
	<i>For Stainless Steel, Add</i>	18.90	
11 30 13 13-0019	EA 24" Non Ducted Range Hood (Broan 41000)	220.82	56.56
	<i>For Stainless Steel, Add</i>	16.16	
11 30 13 13-0020	EA 30" Non Ducted Range Hood (Broan 41000)	217.59	56.56
	<i>For Stainless Steel, Add</i>	15.67	
11 30 13 13-0021	EA 36" Non Ducted Range Hood (Broan 41000)	220.82	56.56
	<i>For Stainless Steel, Add</i>	16.16	
11 30 13 13-0022	<b>Microwaves</b> <small>(11 30 13 13)</small>		
11 30 13 13-0023	<b>Countertop Microwaves</b> <small>(11 30 13 13-0022)</small>		
11 30 13 13-0024	EA 1.1 CF Countertop Microwave Oven	147.70	9.43
	<i>For Stainless Steel, Add</i>	19.33	
11 30 13 13-0025	EA 1.2 CF Countertop Microwave Oven	175.96	9.43
	<i>For Stainless Steel, Add</i>	23.57	
11 30 13 13-0026	EA 1.3 CF Countertop Microwave Oven	180.68	9.43
	<i>For Stainless Steel, Add</i>	24.27	
11 30 13 13-0027	EA 1.4 CF Countertop Microwave Oven	221.55	9.43
	<i>For Stainless Steel, Add</i>	30.41	
11 30 13 13-0028	EA 1.5 CF Countertop Microwave Oven	237.26	9.43
	<i>For Stainless Steel, Add</i>	32.76	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0029 EA 1.6 CF Countertop Microwave Oven ..... <i>For Stainless Steel, Add</i>	252.97 35.12	9.43
11 30 13 13-0030 EA 1.7 CF Countertop Microwave Oven ..... <i>For Stainless Steel, Add</i>	268.69 37.48	9.43
11 30 13 13-0031 EA 1.8 CF Countertop Microwave Oven ..... <i>For Stainless Steel, Add</i>	284.40 39.83	9.43
11 30 13 13-0032 EA 2.0 CF Countertop Microwave Oven ..... <i>For Stainless Steel, Add</i>	301.67 42.42	9.43
<b>11 30 13 13-0033 Over-The-Range Microwaves</b> (11 30 13 13-0022)		
11 30 13 13-0034 EA 1.5 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	514.70 60.24	75.39
11 30 13 13-0035 EA 1.6 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	582.91 70.47	75.39
11 30 13 13-0036 EA 1.7 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	604.89 73.77	75.39
11 30 13 13-0037 EA 1.8 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	769.88 98.52	75.39
11 30 13 13-0038 EA 2.0 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	614.33 75.19	75.39
11 30 13 13-0039 EA 1.6 CF Over-the-Range Microwave (Hotpoint® RVM5160DHWW) .....	361.39	56.55
<b>11 30 13 13-0040 Trash Compactors</b> (11 30 13 13)		
11 30 13 13-0041 EA 15" Built-In Trash Compactor, 4 To 1 Compaction..... <i>For Stainless Steel, Add</i>	1,170.59 183.56	75.40
<b>11 30 13 13-0042 Refrigerators</b> (11 30 13 13)		
<b>11 30 13 13-0043 Top Freezer Refrigerators</b> (11 30 13 13-0042)		
11 30 13 13-0044 EA Up To 10 CF Top Freezer Refrigerator ..... <i>For Stainless Steel, Add</i>	578.20 75.42	37.71
11 30 13 13-0045 EA >10 To 12 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	702.35 94.04	37.71
11 30 13 13-0046 EA >12 To 14 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	782.47 106.06	37.71
11 30 13 13-0047 EA >14 To 16 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	829.61 113.13	37.71
11 30 13 13-0048 EA >16 To 18 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	955.31 131.99	37.71
11 30 13 13-0049 EA >18 To 20 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	1,063.75 148.25	37.71
11 30 13 13-0050 EA >20 To 22 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	1,143.87 160.27	37.71
11 30 13 13-0051 EA 14.6 CF, Top-Freezer Refrigerator (Hotpoint® ENERGY STAR® HPE15BTHWW).....	928.03	37.71
<b>11 30 13 13-0052 Side-By-Side Refrigerators</b> (11 30 13 13-0042)		
11 30 13 13-0053 EA Up To 22 CF Side-By-Side Refrigerator..... <i>For Stainless Steel, Add</i>	1,175.12 164.96	37.71
11 30 13 13-0054 EA >22 To 24 CF Side-By-Side Refrigerator ..... <i>For Stainless Steel, Add</i>	1,458.13 207.41	37.71
11 30 13 13-0055 EA >24 To 26 CF Side-By-Side Refrigerator ..... <i>For Stainless Steel, Add</i>	1,646.68 235.69	37.71
<b>11 30 13 13-0056 Other Refrigerators</b> (11 30 13 13-0042)		
11 30 13 13-0057 EA 1.7 CF Dormitory Sized Refrigerator..... <i>For Stainless Steel, Add</i>	191.85 23.12	18.85
11 30 13 13-0058 EA 4.4 CF Dormitory Sized Refrigerator..... <i>For Stainless Steel, Add</i>	262.56 33.73	18.85
<b>11 30 13 13-0059 Freezers</b> (11 30 13 13)		
<b>11 30 13 13-0060 Upright Freezers</b> (11 30 13 13-0059)		
11 30 13 13-0061 EA Up To 10 CF Upright Freezer..... <i>For Stainless Steel, Add</i>	545.22 70.47	37.71
11 30 13 13-0062 EA >10 To 12 CF Upright Freezer ..... <i>For Stainless Steel, Add</i>	702.35 94.04	37.71
11 30 13 13-0063 EA >12 To 14 CF Upright Freezer ..... <i>For Stainless Steel, Add</i>	749.49 101.11	37.71
11 30 13 13-0064 EA >14 To 16 CF Upright Freezer ..... <i>For Stainless Steel, Add</i>	859.48 117.61	37.71
11 30 13 13-0065 EA >16 To 18 CF Upright Freezer ..... <i>For Stainless Steel, Add</i>	986.74 136.70	37.71
11 30 13 13-0066 EA >18 To 20 CF Upright Freezer ..... <i>For Stainless Steel, Add</i>	1,049.61 146.13	37.71
11 30 13 13-0067 EA >20 To 22 CF Upright Freezer ..... <i>For Stainless Steel, Add</i>	1,096.73 153.20	37.71
<b>11 30 13 13-0068 Chest Freezers</b> (11 30 13 13-0059)		
11 30 13 13-0069 EA Up To 8 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	436.78 54.21	37.71

**11 Equipment**  
**11 30 Residential Equipment**  
**11 30 13 Residential Appliances**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0070	EA		>8 To 10 CF Chest Freezer ..... <i>For Stainless Steel, Add</i>	546.77 70.71	37.71
11 30 13 13-0071	EA		>10 To 12 CF Chest Freezer ..... <i>For Stainless Steel, Add</i>	586.07 76.60	37.71
11 30 13 13-0072	EA		>12 To 14 CF Chest Freezer ..... <i>For Stainless Steel, Add</i>	656.77 87.21	37.71
11 30 13 13-0073	EA		>14 To 16 CF Chest Freezer ..... <i>For Stainless Steel, Add</i>	702.35 94.04	37.71
11 30 13 13-0074	EA		>16 To 18 CF Chest Freezer ..... <i>For Stainless Steel, Add</i>	859.48 117.61	37.71
11 30 13 13-0075	EA		>18 To 20 CF Chest Freezer ..... <i>For Stainless Steel, Add</i>	1,063.75 148.25	37.71
11 30 13 13-0076	EA		>20 To 22 CF Chest Freezer ..... <i>For Stainless Steel, Add</i>	1,096.73 153.20	37.71
<b>11 30 13 13-0077</b>			<b>Automatic Ice Makers (11 30 13 13)</b>		
11 30 13 13-0078	EA		15" Wide, 50 LB Per Day, Automatic Ice Maker.....	2,033.24	75.40
11 30 13 13-0079	EA		18" Wide, 50 LB Per Day, Automatic Ice Maker.....	2,268.93	75.40
<b>11 30 13 13-0080</b>			<b>Built-In Dishwashers (11 30 13 13)</b>		
11 30 13 13-0081	EA		18" Built-In Dishwasher ..... <i>For Stainless Steel, Add</i>	983.59 124.92	75.40
11 30 13 13-0082	EA		24" Built-In Dishwasher ..... <i>For Stainless Steel, Add</i>	653.62 75.42	75.40
<b>11 30 13 13-0083</b>			<b>Disposals (11 30 13 13)</b>		
11 30 13 13-0084	EA		1/3 HP Insulated Garbage Disposal (GE GFC320V).....	221.53	56.56
11 30 13 13-0085	EA		1/2 HP Insulated Garbage Disposal (GE GFC520V).....	252.96	56.56
11 30 13 13-0086	EA		3/4 HP Insulated Garbage Disposal (GE GFC720V).....	331.52	56.56
11 30 13 13-0087	EA		1 HP Insulated Garbage Disposal (GE GFC1020V).....	410.09	56.56
<b>11 30 13 13-0088</b>			<b>Removal And Reinstallation Of Kitchen Equipment (11 30 13 13)</b>		
			Note: Includes storage, cleaning and final connections.		
11 30 13 13-0089	EA		Removal And Reinstallation Of Garbage Disposal.....	113.11	
11 30 13 13-0090	EA		Removal And Reinstallation Of Stove/Range.....	226.22	
11 30 13 13-0091	EA		Removal And Reinstallation Of Dishwasher.....	241.31	
11 30 13 13-0092	EA		Removal And Reinstallation Of Range Hood.....	113.11	
11 30 13 13-0093	EA		Removal And Reinstallation Of Washer And Dryer.....	188.52	
<b>11 30 13 13-0094</b>			<b>Appliance Repair (11 30 13 13)</b>		
			Note: Includes removal.		
11 30 13 13-0095	EA		8" Burner Replacement.....	26.37	
11 30 13 13-0096	EA		4" Burner Element Replacement.....	46.64	
11 30 13 13-0097	EA		8" Burner Element Replacement.....	53.63	
11 30 13 13-0098	EA		Burner Manifold Replacement.....	180.08	
11 30 13 13-0099	EA		Burner Switch Replacement.....	73.87	
11 30 13 13-0100	EA		Burner Tube, 5/8" x 4" Replacement.....	34.25	
11 30 13 13-0101	EA		Oven Control Replacement.....	88.98	
11 30 13 13-0102	EA		Oven Door Gasket Replacement.....	35.35	
11 30 13 13-0103	EA		Oven Element Replacement.....	83.62	
11 30 13 13-0104	EA		Oven Igniter Replacement.....	60.30	
11 30 13 13-0105	EA		Oven Knobs Replacement.....	46.12	
<b>11 30 13 13-0106</b>			<b>Accessories (11 30 13 13)</b>		
11 30 13 13-0107	SF		Colored Metal Range Splash Plate.....	15.14	3.01
11 30 13 13-0108	SF		Stainless Steel Range Splash Plate.....	22.46	3.01
<b>11 30 13 13-0109</b>			<b>Automatic Water Softener (11 30 13 13)</b>		
11 30 13 13-0110	EA		30,000 Grain Capacity, Water Softener (Whirlpool WHES30).....	1,051.01	187.42
11 30 13 13-0111	EA		40,000 Grain Capacity, Water Softener (Whirlpool WHES40).....	1,244.03	187.42
<b>11 30 13 23</b>			<b>Residential Laundry Appliances (11 30 13)</b>		
<b>11 30 13 23-0001</b>			<b>Washing Machines And Dryers (11 30 13 23)</b>		
<b>11 30 13 23-0002</b>			<b>Washing Machines (11 30 13 23-0001)</b>		
11 30 13 23-0003	EA		Up To 3.5 CF, Top Load Washing Machine.....	757.33	75.40
11 30 13 23-0004	EA		>3.5 To 4 CF, Top Load Washing Machine.....	1,213.00	75.40
11 30 13 23-0005	EA		>4 To 5 CF, Top Load Washing Machine.....	1,605.83	75.40
<b>11 30 13 23-0006</b>			<b>Dryers (11 30 13 23-0001)</b>		
<b>11 30 13 23-0007</b>			<b>Electric Dryers (11 30 13 23-0006)</b>		
11 30 13 23-0008	EA		Up To 6 CF, Electric Dryer.....	582.93	75.40
11 30 13 23-0009	EA		>6 To 6.5 CF, Electric Dryer.....	741.61	75.40
11 30 13 23-0010	EA		>6.5 To 7 CF, Electric Dryer.....	914.46	75.40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 30 13 23-0011	EA	>7 To 7.5 CF, Electric Dryer .....	1,040.16	75.40
<b>11 30 13 23-0012 Gas Dryers</b> <small>(11 30 13 23-0006)</small>				
11 30 13 23-0013	EA	Up To 6 CF, Gas Dryer .....	694.48	75.40
11 30 13 23-0014	EA	>6 To 6.5 CF, Gas Dryer .....	851.61	75.40
11 30 13 23-0015	EA	>6.5 To 7 CF, Gas Dryer .....	1,008.56	75.40
11 30 13 23-0016	EA	>7 To 7.5 CF, Gas Dryer .....	1,150.15	75.40
<b>11 30 33 Retractable Stairs</b> <small>(11 30)</small>				
<b>11 30 33 00-0001 Disappearing Folding Access Stairs</b> <small>(11 30 33)</small>				
<b>11 30 33 00-0002 250 LB Capacity, Wood Folding Access Stairs</b> <small>(11 30 33 00-0001)</small>				
11 30 33 00-0003	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity .....	658.75	209.74
11 30 33 00-0004	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity .....	670.25	209.74
11 30 33 00-0005	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity .....	670.25	209.74
11 30 33 00-0006	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity .....	681.47	209.74
<b>11 30 33 00-0007 350 LB Capacity, Wood Folding Access Stairs</b> <small>(11 30 33 00-0001)</small>				
11 30 33 00-0008	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	763.76	209.74
11 30 33 00-0009	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	787.01	209.74
11 30 33 00-0010	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	777.45	209.74
11 30 33 00-0011	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	799.67	209.74
11 30 33 00-0012	EA	30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	790.73	209.74
11 30 33 00-0013	EA	30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	829.14	209.74
<b>11 30 33 00-0014 300 LB Capacity, Aluminum Folding Access Stairs</b> <small>(11 30 33 00-0001)</small>				
11 30 33 00-0015	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity .....	709.07	209.74
11 30 33 00-0016	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity .....	736.02	209.74
11 30 33 00-0017	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity .....	716.58	209.74
11 30 33 00-0018	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity .....	743.51	209.74
11 30 33 00-0019	EA	25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity .....	893.53	209.74
<b>11 30 33 00-0020 300 LB Capacity, Steel Folding Access Stairs</b> <small>(11 30 33 00-0001)</small>				
11 30 33 00-0021	EA	22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity .....	737.04	209.74
11 30 33 00-0022	EA	22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity .....	770.75	209.74
<b>11 32 Unit Kitchens</b> <small>(11 30)</small>				
<b>11 32 13 Metal Unit Kitchens</b> <small>(11 32)</small>				
Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.				
<b>11 32 13 00-0001 30" Compact Kitchen</b> <small>(11 32 13)</small>				
11 32 13 00-0002	EA	30" Compact Unit Kitchen With Refrigerator, Range And Sink .....	2,549.28	508.75
		<i>For Gas Unit, Add</i> .....	280.64	
11 32 13 00-0003	EA	30" Compact Unit Kitchen With Refrigerator And Sink .....	2,193.11	356.12
11 32 13 00-0004	EA	30" Compact Unit Kitchen With Refrigerator And Range .....	2,013.42	305.25
11 32 13 00-0005	EA	30" Compact Unit Kitchen Cabinet For Upper Wall Section .....	626.23	157.23
		<i>For Range Hood In Upper Section, Add</i> .....	179.00	
11 32 13 00-0006	EA	30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section .....	1,301.31	209.64
		<i>For Range Hood In Upper Section, Add</i> .....	179.00	
11 32 13 00-0007	EA	30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall .....	78.73	15.08
11 32 13 00-0008	EA	30" Compact Unit Kitchen Stainless Steel Shield For Side Wall .....	70.10	15.08
<b>11 32 13 00-0009 42" Compact Kitchen</b> <small>(11 32 13)</small>				
11 32 13 00-0010	EA	42" Compact Unit Kitchen With Refrigerator, Range And Sink .....	2,979.41	559.63
		<i>For Gas Unit, Add</i> .....	334.99	
11 32 13 00-0011	EA	42" Compact Unit Kitchen With Refrigerator And Sink .....	2,703.17	457.87
11 32 13 00-0012	EA	42" Compact Unit Kitchen Cabinet For Upper Wall Section .....	798.06	178.20
		<i>For Range Hood In Upper Section, Add</i> .....	179.00	
11 32 13 00-0013	EA	42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section .....	1,510.90	235.84
		<i>For Range Hood In Upper Section, Add</i> .....	179.00	
11 32 13 00-0014	EA	42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall .....	95.78	15.08
11 32 13 00-0015	EA	42" Compact Unit Kitchen Stainless Steel Shield For Side Wall .....	78.78	15.08
<b>11 32 13 00-0016 54" Compact Kitchen</b> <small>(11 32 13)</small>				
11 32 13 00-0017	EA	54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink .....	4,048.48	712.25
		<i>For Gas Unit, Add</i> .....	464.82	
11 32 13 00-0018	EA	54" Compact Unit Kitchen Cabinet For Upper Wall Section .....	990.85	104.82
		<i>For Range Hood In Upper Section, Add</i> .....	179.00	
11 32 13 00-0019	EA	54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section .....	1,680.22	262.06
		<i>For Range Hood In Upper Section, Add</i> .....	179.00	
11 32 13 00-0020	EA	54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall .....	111.98	15.08
11 32 13 00-0021	EA	54" Compact Unit Kitchen Stainless Steel Shield For Side Wall .....	81.63	15.08

**11 Equipment**  
**11 30 Residential Equipment**  
**11 32 Unit Kitchens**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 32 13 00-0022			<b>60" Compact Kitchen</b> <small>(11 32 13)</small>		
11 32 13 00-0023	EA		60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink.....	4,254.14	763.12
			<i>For Gas Unit, Add</i>	485.50	
11 32 13 00-0024	EA		60" Compact Unit Kitchen Cabinet For Upper Wall Section.....	1,173.61	262.06
			<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0025	EA		60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	119.27	15.08
11 32 13 00-0026	EA		60" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	81.63	15.08
11 32 13 00-0027			<b>72" Compact Kitchen</b> <small>(11 32 13)</small>		
11 32 13 00-0028	EA		72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink.....	4,563.73	814.00
			<i>For Gas Unit, Add</i>	521.76	
11 32 13 00-0029	EA		72" Compact Unit Kitchen Cabinet For Upper Wall Section.....	1,434.31	314.47
			<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0030	EA		72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	139.70	18.85
11 32 13 00-0031	EA		72" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	85.06	18.85

**11 40 Foodservice Equipment** (11)

**11 41 Foodservice Storage Equipment** (11 40)

**11 41 13 Refrigerated Food Storage Cases** (11 41)

11 41 13 00-0001			<b>Frozen Food Cases</b> <small>(11 41 13)</small>		
11 41 13 00-0002	LF		Chest Type Frozen Food Case.....	1,190.24	305.39
11 41 13 00-0003	LF		Reach-in Frozen Food Case (Glass Door).....	2,242.03	305.39
11 41 13 00-0004	LF		Island Type Frozen Food Case.....	1,373.79	305.39
11 41 13 00-0005	LF		Multi-Deck Frozen Food Case.....	2,153.20	305.39

**11 41 13 00-0006 Reach-In Refrigeration** (11 41 13)

**11 41 13 00-0007 Reach-In Refrigerators** (11 41 13 00-0006)

11 41 13 00-0008	EA		Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,163.41	139.23
11 41 13 00-0009	EA		Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	5,128.59	175.60
11 41 13 00-0010	EA		Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	6,849.49	194.00
11 41 13 00-0011	EA		Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,135.64	139.23
11 41 13 00-0012	EA		Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	5,380.34	175.60
11 41 13 00-0013	EA		Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	7,154.79	194.00
11 41 13 00-0014	EA		Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,999.48	139.23
11 41 13 00-0015	EA		Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	6,762.08	175.60
11 41 13 00-0016	EA		Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator.....	5,612.87	139.23
11 41 13 00-0017	EA		Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator.....	8,086.86	175.60

**11 41 13 00-0018 Reach-In Freezers** (11 41 13 00-0006)

11 41 13 00-0019	EA		Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer.....	4,681.87	139.39
11 41 13 00-0020	EA		Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer.....	6,207.60	175.35

**11 41 23 Walk-In-Coolers** (11 41)

**11 41 23 00-0001 Walk-In Refrigerated Boxes** (11 41 23)

Note: Overall heights include 4" floor panel and 4" ceiling panel. See CSI section 11 41 23 00-0171 for air cooled condensing units for coolers and freezers, 11 41 23 00-0282 for accessories, 21 13 16 00-0000 for dry-pipe sprinkler heads, 26 50 00 00-0000 for lighting.

**11 41 23 00-0002 Walk-In Refrigerated Unit, 7'6" High With Floor** (11 41 23 00-0001)

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0003	EA		6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	7,610.74	1,267.72
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,480.04	
11 41 23 00-0004	EA		6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,056.37	1,426.19
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,788.70	
11 41 23 00-0005	EA		6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,622.84	1,584.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,877.50	
11 41 23 00-0006	EA		6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,928.85	1,901.58
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,098.69	
11 41 23 00-0007	EA		6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,617.74	2,218.51
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,415.33	
11 41 23 00-0008	EA		6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,984.69	2,535.44
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,650.88	
11 41 23 00-0009	EA		6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,328.67	2,852.37
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,881.38	
11 41 23 00-0010	EA		8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,985.47	1,584.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,968.15	

<b>Equipment</b>	<b>11</b>
<b>Foodservice Equipment</b>	<b>11 40</b>
<b>Foodservice Storage Equipment</b>	<b>11 41</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0011	EA		8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	10,932.05 -2,152.13	1,743.11
11 41 23 00-0012	EA		8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	12,360.34 -2,403.10	2,060.04
11 41 23 00-0013	EA		8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	14,199.25 -2,757.49	2,376.98
11 41 23 00-0014	EA		8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	15,647.82 -3,014.31	2,693.91
11 41 23 00-0015	EA		8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	17,140.07 -3,281.23	3,010.83
11 41 23 00-0016	EA		8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	18,586.84 -3,538.05	3,327.76
11 41 23 00-0017	EA		8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	20,075.45 -3,803.64	3,644.70
11 41 23 00-0018	EA		8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	21,529.33 -4,061.79	3,961.63
<b>11 41 23 00-0019</b>			<b>Walk-In Refrigerated Unit, 7'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0020	EA		10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	12,360.23 -2,456.54	1,901.58
11 41 23 00-0021	EA		10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	13,907.68 -2,737.81	2,218.51
11 41 23 00-0022	EA		10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	15,518.16 -3,034.25	2,535.44
11 41 23 00-0023	EA		10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	17,045.05 -3,310.47	2,852.37
11 41 23 00-0024	EA		10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	18,675.13 -3,613.29	3,169.30
11 41 23 00-0025	EA		10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	20,204.36 -3,888.19	3,486.23
11 41 23 00-0026	EA		10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	21,838.55 -4,192.59	3,803.16
11 41 23 00-0027	EA		10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	23,358.45 -4,467.23	4,120.09
11 41 23 00-0028	EA		10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	24,993.02 -4,770.04	4,437.02
11 41 23 00-0029	EA		10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	26,523.66 -5,046.27	4,753.95
11 41 23 00-0030	EA		10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	28,367.98 -5,349.35	5,229.34
11 41 23 00-0031	EA		10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	30,090.07 -5,623.98	5,704.74
11 41 23 00-0032	EA		12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	15,331.81 -3,040.63	2,376.98
11 41 23 00-0033	EA		12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	17,099.40 -3,377.20	2,693.91
11 41 23 00-0034	EA		12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	18,735.23 -3,680.02	3,010.83
11 41 23 00-0035	EA		12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	20,494.65 -4,015.00	3,327.76
11 41 23 00-0036	EA		12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	22,138.52 -4,319.41	3,644.70
11 41 23 00-0037	EA		12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	23,898.66 -4,654.12	3,961.63
11 41 23 00-0038	EA		12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	25,527.93 -4,956.94	4,278.55
11 41 23 00-0039	EA		12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	27,300.27 -5,293.51	4,595.49

**11 Equipment**  
**11 40 Foodservice Equipment**  
**11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0040	EA		12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	29,043.51 -5,596.33	4,991.65
11 41 23 00-0041	EA		12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	31,016.57 -5,931.31	5,467.05
11 41 23 00-0042	EA		12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	32,866.12 -6,235.72	5,942.44
11 41 23 00-0043	EA		12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	34,832.00 -6,570.43	6,417.83
11 41 23 00-0044	EA		12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	36,670.50 -6,873.25	6,893.22
11 41 23 00-0045			<b>Walk-In Refrigerated Unit, 7'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0046	EA		14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	20,099.24 -4,074.02	2,852.37
11 41 23 00-0047	EA		14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	22,054.72 -4,458.19	3,169.30
11 41 23 00-0048	EA		14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	24,164.59 -4,878.24	3,486.23
11 41 23 00-0049	EA		14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	26,118.88 -5,262.68	3,803.16
11 41 23 00-0050	EA		14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	28,214.09 -5,681.14	4,120.09
11 41 23 00-0051	EA		14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	30,181.52 -6,067.16	4,437.02
11 41 23 00-0052	EA		14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	32,281.10 -6,485.63	4,753.95
11 41 23 00-0053	EA		14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	34,450.82 -6,870.06	5,229.34
11 41 23 00-0054	EA		14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	36,754.62 -7,290.11	5,704.74
11 41 23 00-0055	EA		14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	38,950.50 -7,674.28	6,180.14
11 41 23 00-0056	EA		14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	41,241.33 -8,093.01	6,655.53
11 41 23 00-0057	EA		14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	43,422.97 -8,478.77	7,051.69
11 41 23 00-0058			<b>Walk-In Refrigerated Unit, 7'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.		
11 41 23 00-0059	EA		16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	24,068.85 -4,908.55	3,327.76
11 41 23 00-0060	EA		16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	26,312.50 -5,362.90	3,644.70
11 41 23 00-0061	EA		16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	28,485.26 -5,800.77	3,961.63
11 41 23 00-0062	EA		16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	30,727.06 -6,256.72	4,278.55
11 41 23 00-0063	EA		16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	32,904.58 -6,694.59	4,595.49
11 41 23 00-0064	EA		16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	35,253.97 -7,148.94	4,991.65
11 41 23 00-0065	EA		16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	37,644.97 -7,588.41	5,467.05
11 41 23 00-0066	EA		16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	40,094.29 -8,042.76	5,942.44
11 41 23 00-0067	EA		16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	42,472.78 -8,480.63	6,417.83



<b>Equipment</b>	<b>11</b>
<b>Foodservice Equipment</b>	<b>11 40</b>
<b>Foodservice Storage Equipment</b>	<b>11 41</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 23 00-0068	EA		16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,923.81	6,893.22
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,936.58	
11 41 23 00-0069	EA		18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,133.02	3,803.16
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,766.21	
11 41 23 00-0070	EA		18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,430.29	4,120.09
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,235.19	
11 41 23 00-0071	EA		18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,843.30	4,437.02
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,732.61	
11 41 23 00-0072	EA		18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,139.61	4,753.95
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,200.25	
11 41 23 00-0073	EA		18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,766.61	5,229.34
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,699.00	
11 41 23 00-0074	EA		18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,260.77	5,704.74
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,166.65	
11 41 23 00-0075	EA		18' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,909.67	6,180.14
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,664.07	
11 41 23 00-0076	EA		18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	45,401.49	6,655.53
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,133.05	
11 41 23 00-0077	EA		18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	48,029.77	7,130.93
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,630.47	
11 41 23 00-0078	EA		18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	50,727.12	7,711.96
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,098.11	

**11 41 23 00-0079 Walk-In Refrigerated Unit, 8'6" High With Floor** (11 41 23 00-0001)

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0080	EA		6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	7,995.71	1,267.72
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,576.28	
11 41 23 00-0081	EA		6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,205.25	1,426.19
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,825.92	
11 41 23 00-0082	EA		6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,112.02	1,584.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,999.79	
11 41 23 00-0083	EA		6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,490.34	1,901.58
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,239.06	
11 41 23 00-0084	EA		6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,211.13	2,218.51
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,563.68	
11 41 23 00-0085	EA		6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,650.40	2,535.44
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,817.31	
11 41 23 00-0086	EA		6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,026.28	2,852.37
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,055.78	
11 41 23 00-0087	EA		8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,515.06	1,584.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,100.55	
11 41 23 00-0088	EA		8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,493.54	1,743.11
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,292.50	
11 41 23 00-0089	EA		8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,994.15	2,060.04
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,561.55	
11 41 23 00-0090	EA		8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,864.96	2,376.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,923.92	
11 41 23 00-0091	EA		8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,385.84	2,693.91
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,198.81	
11 41 23 00-0092	EA		8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,910.00	3,010.83
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,473.71	
11 41 23 00-0093	EA		8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,429.08	3,327.76
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,748.61	
11 41 23 00-0094	EA		8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,949.60	3,644.70
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,022.18	
11 41 23 00-0095	EA		8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,475.79	3,961.63
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,298.41	

**11 Equipment****11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
11 41 23 00-0096		<b>Walk-In Refrigerated Unit, 8'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.			
11 41 23 00-0097	EA	10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	12,953.63		1,901.58
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,604.89		
11 41 23 00-0098	EA	10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	14,573.39		2,218.51
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,904.24		
11 41 23 00-0099	EA	10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	16,215.78		2,535.44
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,208.65		
11 41 23 00-0100	EA	10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	17,814.98		2,852.37
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,502.96		
11 41 23 00-0101	EA	10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,476.96		3,169.30
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,813.75		
11 41 23 00-0102	EA	10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	21,078.50		3,486.23
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,106.72		
11 41 23 00-0103	EA	10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	22,744.60		3,803.16
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,419.11		
11 41 23 00-0104	EA	10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,336.81		4,120.09
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,711.82		
11 41 23 00-0105	EA	10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,003.28		4,437.02
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,022.60		
11 41 23 00-0106	EA	10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,606.24		4,753.95
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,316.91		
11 41 23 00-0107	EA	10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	29,482.46		5,229.34
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,627.97		
11 41 23 00-0108	EA	10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	31,276.87		5,625.51
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,920.68		
11 41 23 00-0109	EA	12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	16,069.83		2,376.98
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,225.13		
11 41 23 00-0110	EA	12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	17,869.33		2,693.91
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,569.69		
11 41 23 00-0111	EA	12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,577.47		3,010.83
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,890.58		
11 41 23 00-0112	EA	12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	21,368.79		3,327.76
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,233.54		
11 41 23 00-0113	EA	12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	23,084.98		3,644.70
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,556.02		
11 41 23 00-0114	EA	12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,877.02		3,961.63
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,898.71		
11 41 23 00-0115	EA	12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,578.60		4,278.55
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,219.61		
11 41 23 00-0116	EA	12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,382.85		4,595.49
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,564.16		
11 41 23 00-0117	EA	12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,198.40		4,991.65
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,885.05		
11 41 23 00-0118	EA	12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,203.37		5,467.05
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,228.01		
11 41 23 00-0119	EA	12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,125.23		5,942.44
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,550.50		
11 41 23 00-0120	EA	12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,123.01		6,417.83
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,893.19		
11 41 23 00-0121	EA	12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,033.82		6,893.22
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,214.08		
11 41 23 00-0122		<b>Walk-In Refrigerated Unit, 8'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.			
11 41 23 00-0123	EA	14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	20,901.07		2,852.37
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,274.48		
11 41 23 00-0124	EA	14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	22,928.87		3,169.30
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,676.72		

<b>Equipment</b>	<b>11</b>
<b>Foodservice Equipment</b>	<b>11 40</b>
<b>Foodservice Storage Equipment</b>	<b>11 41</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0125	EA		14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,070.64	3,486.23
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,104.76	
11 41 23 00-0126	EA		14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,097.24	3,803.16
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,507.27	
11 41 23 00-0127	EA		14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,224.36	4,120.09
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,933.70	
11 41 23 00-0128	EA		14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,264.10	4,437.02
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,337.81	
11 41 23 00-0129	EA		14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,395.58	4,753.95
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,764.25	
11 41 23 00-0130	EA		14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,637.62	5,229.34
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,166.76	
11 41 23 00-0131	EA		14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,973.32	5,704.74
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,594.79	
11 41 23 00-0132	EA		14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,241.51	6,180.14
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,997.03	
11 41 23 00-0133	EA		14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,564.25	6,655.53
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,423.74	
11 41 23 00-0134	EA		14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,818.20	7,130.93
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,827.58	
<b>11 41 23 00-0135</b>			<b>Walk-In Refrigerated Unit, 8'6" High With Floor</b> <small>(11 41 23 00-0001)</small>		
			Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.		
11 41 23 00-0136	EA		16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,015.31	3,327.76
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,145.17	
11 41 23 00-0137	EA		16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,290.86	3,644.70
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,607.49	
11 41 23 00-0138	EA		16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,535.93	3,961.63
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,063.44	
11 41 23 00-0139	EA		16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,809.64	4,278.55
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,527.37	
11 41 23 00-0140	EA		16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,059.47	4,595.49
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,983.31	
11 41 23 00-0141	EA		16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,440.76	4,991.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,445.64	
11 41 23 00-0142	EA		16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,904.07	5,467.05
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,903.18	
11 41 23 00-0143	EA		16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,385.30	5,942.44
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,365.51	
11 41 23 00-0144	EA		16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	43,836.11	6,417.83
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,821.46	
11 41 23 00-0145	EA		16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,319.04	6,893.22
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,285.38	
11 41 23 00-0146	EA		18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,143.28	3,803.16
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,018.78	
11 41 23 00-0147	EA		18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,512.87	4,120.09
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,505.83	
11 41 23 00-0148	EA		18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,957.78	4,437.02
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,011.23	
11 41 23 00-0149	EA		18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,326.40	4,753.95
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,496.95	
11 41 23 00-0150	EA		18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,985.31	5,229.34
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,003.68	
11 41 23 00-0151	EA		18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,551.78	5,704.74
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,489.40	
11 41 23 00-0152	EA		18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,232.59	6,180.14
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,994.80	
11 41 23 00-0153	EA		18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,796.72	6,655.53
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,481.85	

**11 Equipment****11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0154	EA		18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	49,456.90 -9,987.25	7,130.93
11 41 23 00-0155	EA		18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door ..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	52,226.57 -10,472.98	7,711.96
<b>11 41 23 00-0156</b>			<b>Walk-In Refrigerated Unit Metal Price Add-Ons</b> <small>(11 41 23 00-0001)</small>		
11 41 23 00-0157	SF		Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume®.....	0.45	
11 41 23 00-0158	SF		Metal Price Add-ons, 24 Gauge White Polyester vs. 24 Gauge Galvalume® .....	0.84	
11 41 23 00-0159	SF		Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume® .....	1.18	
11 41 23 00-0160	SF		Metal Price Add-ons, 22 Gauge Stainless Steel vs. 24 Gauge Galvalume® .....	8.29	
11 41 23 00-0161	SF		Metal Price Add-ons, 20 Gauge Stainless Steel vs. 24 Gauge Galvalume® .....	10.85	
11 41 23 00-0162	SF		Metal Price Add-ons, 24 Gauge Embossed Tan Polyester vs. 24 Gauge Galvalume® .....	1.34	
11 41 23 00-0163	SF		Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume® .....	3.29	
11 41 23 00-0164	SF		Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume® .....	4.25	
11 41 23 00-0165	SF		Metal Price Add-ons, 24 Gauge Smooth Kynar® Painted vs. 24 Gauge Galvalume® .....	4.47	
11 41 23 00-0166	SF		Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor .....	-5.99	
11 41 23 00-0167	SF		Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor.....	2.50	
11 41 23 00-0168	SF		Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor.....	6.49	
11 41 23 00-0169	SF		Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor .....	5.69	
11 41 23 00-0170	SF		Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor .....	18.45	
<b>11 41 23 00-0171</b>			<b>Air Cooled Condensing Units For Walk-In Coolers And Freezers</b> <small>(11 41 23)</small>		
<b>11 41 23 00-0172</b>			<b>Medium Temperature Hermetic System, Indoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
<b>11 41 23 00-0173</b>			<b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0172)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0174	EA		1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	3,080.31	140.56
11 41 23 00-0175	EA		3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	3,258.75	164.00
11 41 23 00-0176	EA		1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	3,754.33	187.42
11 41 23 00-0177	EA		1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	4,052.42	210.85
11 41 23 00-0178	EA		2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	4,465.00	234.27
11 41 23 00-0179	EA		3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	5,024.57	281.13
11 41 23 00-0180	EA		4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	6,807.02	327.98
11 41 23 00-0181	EA		5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	7,310.47	374.84
<b>11 41 23 00-0182</b>			<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0172)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0183	EA		1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	3,759.56	187.42
11 41 23 00-0184	EA		1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	4,052.42	210.85
11 41 23 00-0185	EA		2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	4,512.11	234.27
11 41 23 00-0186	EA		3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	4,968.48	281.13
11 41 23 00-0187	EA		4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	6,807.02	327.98
11 41 23 00-0188	EA		5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	7,245.41	374.84
<b>11 41 23 00-0189</b>			<b>Medium Temperature Hermetic System, Outdoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
<b>11 41 23 00-0190</b>			<b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0189)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0191	EA		1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	3,297.18	140.56
11 41 23 00-0192	EA		3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	3,632.67	164.00
11 41 23 00-0193	EA		1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	4,188.82	187.42
11 41 23 00-0194	EA		1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	4,368.76	210.85
11 41 23 00-0195	EA		2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	4,691.59	234.27
11 41 23 00-0196	EA		3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	5,347.64	281.13
11 41 23 00-0197	EA		4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	7,135.33	327.98
11 41 23 00-0198	EA		5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	7,641.02	374.84
<b>11 41 23 00-0199</b>			<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0189)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0200	EA		1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	4,161.15	187.42
11 41 23 00-0201	EA		1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	4,379.98	210.85
11 41 23 00-0202	EA		2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	4,749.92	234.27
11 41 23 00-0203	EA		3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	5,292.30	281.13
11 41 23 00-0204	EA		4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	7,152.53	327.98
11 41 23 00-0205	EA		5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	7,572.21	374.84
<b>11 41 23 00-0206</b>			<b>Low Temperature Hermetic System, Indoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
<b>11 41 23 00-0207</b>			<b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0206)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0208	EA		1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	281.14	140.56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0209	EA		3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	3,628.19	164.00
11 41 23 00-0210	EA		1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	3,806.68	187.42
11 41 23 00-0211	EA		1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	4,068.88	210.85
11 41 23 00-0212	EA		2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	4,428.35	234.27
11 41 23 00-0213	EA		3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	5,230.23	281.13
<b>11 41 23 00-0214</b>			<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0206)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0215	EA		1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	3,811.91	187.42
11 41 23 00-0216	EA		1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	4,068.88	210.85
11 41 23 00-0217	EA		2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	4,476.96	234.27
11 41 23 00-0218	EA		3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	5,176.38	281.13
<b>11 41 23 00-0219</b>			<b>Low Temperature Hermetic System, Outdoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
<b>11 41 23 00-0220</b>			<b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0221	EA		1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	3,876.75	140.56
11 41 23 00-0222	EA		3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	3,940.79	164.00
11 41 23 00-0223	EA		1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	4,158.16	187.42
11 41 23 00-0224	EA		1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	4,509.35	210.85
11 41 23 00-0225	EA		2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	4,921.18	234.27
11 41 23 00-0226	EA		3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	5,544.32	281.13
<b>11 41 23 00-0227</b>			<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0228	EA		1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	4,293.52	187.42
11 41 23 00-0229	EA		1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	4,575.91	210.85
11 41 23 00-0230	EA		2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	4,975.02	234.27
11 41 23 00-0231	EA		3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	5,489.73	281.13
<b>11 41 23 00-0232</b>			<b>Medium Temperature Semi-Hermetic System, Indoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
<b>11 41 23 00-0233</b>			<b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0234	EA		1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	3,980.92	187.42
11 41 23 00-0235	EA		5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	9,096.31	374.84
<b>11 41 23 00-0236</b>			<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0237	EA		1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	3,983.92	187.42
11 41 23 00-0238	EA		2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	5,503.00	234.27
11 41 23 00-0239	EA		3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	6,866.50	281.13
11 41 23 00-0240	EA		5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	8,974.41	374.84
<b>11 41 23 00-0241</b>			<b>Medium Temperature Semi-Hermetic System, Outdoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
<b>11 41 23 00-0242</b>			<b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0243	EA		1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	4,357.84	187.42
11 41 23 00-0244	EA		5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz .....	10,724.36	374.84
<b>11 41 23 00-0245</b>			<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0246	EA		1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	4,365.31	187.42
11 41 23 00-0247	EA		2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	5,157.50	234.27
11 41 23 00-0248	EA		3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	7,404.95	281.13
11 41 23 00-0249	EA		5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz .....	9,700.57	374.84
<b>11 41 23 00-0250</b>			<b>Low Temperature Semi-Hermetic System, Indoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		

**11 Equipment**

**11 40 Foodservice Equipment**

**11 41 Foodservice Storage Equipment**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

11 41 23 00-0251		<b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0252	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,062.68	164.00
11 41 23 00-0253	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,344.37	187.42
11 41 23 00-0254	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,094.91	210.85
11 41 23 00-0255	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,899.35	234.27
11 41 23 00-0256	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,453.56	281.13
11 41 23 00-0257		<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,041.74	164.00
11 41 23 00-0259	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,341.38	187.42
11 41 23 00-0260	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,066.49	210.85
11 41 23 00-0261	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,850.00	234.27
11 41 23 00-0262	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,191.06	281.13
11 41 23 00-0263	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	10,033.21	327.98
11 41 23 00-0264	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	10,607.11	421.69
11 41 23 00-0265	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	15,251.22	491.98
11 41 23 00-0266		<b>Low Temperature Semi-Hermetic System, Outdoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0267		<b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0266)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,468.76	164.00
11 41 23 00-0269	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,689.88	187.42
11 41 23 00-0270	EA	1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,454.62	210.85
11 41 23 00-0271	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,264.30	234.27
11 41 23 00-0272	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,843.18	281.13
11 41 23 00-0273		<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0266)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,402.95	164.00
11 41 23 00-0275	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,692.87	187.42
11 41 23 00-0276	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,443.41	210.85
11 41 23 00-0277	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,208.96	234.27
11 41 23 00-0278	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,606.11	281.13
11 41 23 00-0279	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	11,062.23	327.98
11 41 23 00-0280	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	11,701.95	421.69
11 41 23 00-0281	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	16,432.81	491.98
11 41 23 00-0282		<b>Walk-In Refrigerated Boxes Accessories</b> <small>(11 41 23)</small>		
11 41 23 00-0283		<b>Accessories</b> <small>(11 41 23 00-0282)</small>		
11 41 23 00-0284	EA	Super Door Package, For 36" Or 42" Door.....	639.67	
		Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0285	EA	Super Door Package, For 48" Door.....	840.66	
		Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0286	EA	Super Door Package, For 60" Door.....	840.66	
		Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0287	EA	14" x 24" Observation Window, Heated.....	924.14	
11 41 23 00-0288	EA	Heated Air Vent, Kason.....	365.84	
11 41 23 00-0289	EA	Heated Air Vent, Bally Polyvinyl Chloride (PVC).....	796.53	
11 41 23 00-0290	EA	Interior Ramps For 36" Or 42" Wide Doors.....	1,115.91	
11 41 23 00-0291	EA	Interior Ramps For 48" Wide Doors.....	1,216.94	
11 41 23 00-0292	EA	Interior Ramps For 60" Wide Doors.....	1,333.92	
11 41 23 00-0293	EA	Exterior Ramps For 36" Or 42" Wide Doors.....	471.47	
11 41 23 00-0294	EA	Exterior Ramps For 48" Wide Doors.....	837.29	
11 41 23 00-0295	EA	Exterior Ramps For 60" Wide Doors.....	837.29	
11 41 23 00-0296	EA	Field Installed Extra Vapor-Proof Lights.....	124.96	
11 41 23 00-0297	EA	Field Installed Fluorescent Lights, 48", 2 Tubes.....	504.60	
11 41 23 00-0298	EA	Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted).....	1,089.49	
11 41 23 00-0299	EA	Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted).....	1,143.73	
11 41 23 00-0300	EA	Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted).....	557.78	
11 41 23 00-0301	EA	Locking Devices, 36" Or 42" Wide Locking Bar.....	324.88	
11 41 23 00-0302	EA	Locking Devices, 48" Wide Locking Bar.....	367.42	
11 41 23 00-0303	EA	Locking Devices, 60" Wide Locking Bar.....	367.42	
11 41 23 00-0304	EA	Locking Devices, Mortise Dead Bolt (Cooler).....	635.41	
11 41 23 00-0305	EA	Locking Devices, Mortise Dead Bolt (Freezer).....	775.78	
11 41 23 00-0306	EA	Blast Freezer Kit, For 36" Or 42" Wide Doors.....	1,247.78	
11 41 23 00-0307	EA	Blast Freezer Kit, For 48" Wide Doors.....	1,315.84	
11 41 23 00-0308	EA	Blast Freezer Kit, For 60" Wide Doors.....	1,352.00	
11 41 23 00-0309	EA	Hardware Options, Polished For 36" Or 42" Door.....	58.49	

<b>Equipment</b>	<b>11</b>
<b>Foodservice Equipment</b>	<b>11 40</b>
<b>Foodservice Storage Equipment</b>	<b>11 41</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 23 00-0310	EA	Hardware Options, Polished For 48" Or 60" Door.....	47.85	
11 41 23 00-0311	EA	Hardware Options, Chrome For 36" Or 42" Door.....	147.82	
11 41 23 00-0312	EA	Hardware Options, Chrome For 48" Or 60" Door.....	79.76	
11 41 23 00-0313	EA	Hardware Options, Positive Latch, 36" Or 42" Door.....	196.56	
11 41 23 00-0314	EA	Hardware Options, Strap Hinges, 36" Or 42" Door.....	145.51	
11 41 23 00-0315	EA	4" Screed Door.....	410.50	
11 41 23 00-0316	EA	Doors Cut For Tile.....	487.07	
11 41 23 00-0317	EA	84" High Doors (36" Wide).....	487.07	
11 41 23 00-0318	EA	Doors Raised Or Lowered In Panel.....	1,049.63	
11 41 23 00-0319	EA	57-1/2" Door Section.....	328.62	
11 41 23 00-0320	EA	3 Way, Interior And Exterior, Light Switches.....	266.39	
11 41 23 00-0321	EA	3 Way (1 Side Only) Light Switch.....	135.84	
11 41 23 00-0322	EA	Structural Support, 5" Reinforcing Ceilings (Every 23").....	238.92	
11 41 23 00-0323	EA	Structural Support, 6" Reinforcing Ceilings (Every 23").....	298.47	
11 41 23 00-0324	LF	Structural Support, Self-Supporting Standard Angle.....	32.38	
11 41 23 00-0325	LF	Structural Support, Self-Supporting 6" Channel.....	41.15	
11 41 23 00-0326	LF	Structural Support, Self-Supporting 8" Channel.....	58.43	
11 41 23 00-0327	LF	Structural Support, Self-Supporting 10" Channel.....	91.67	
11 41 23 00-0328	LF	Structural Support, Suspended Ceiling Support.....	17.93	
11 41 23 00-0329	LF	Factory Prepared Opening, Foam Cut Opening.....	5.95	
11 41 23 00-0330	LF	Factory Prepared Opening, Metal Capped Opening.....	18.61	
11 41 23 00-0331	LF	Factory Prepared Opening, Wood Framed Opening.....	45.38	
11 41 23 00-0332	LF	Factory Prepared Opening, Metal Capped Wood Framed Opening.....	28.71	
11 41 23 00-0333	LF	Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer).....	38.56	
11 41 23 00-0334	SF	Outdoor Weather Roofs, Aluminum Roof Caps.....	23.46	
11 41 23 00-0335	SF	Outdoor Weather Roofs, Membrane Roof Caps.....	5.85	
11 41 23 00-0336	SF	Outdoor Weather Roofs, Painted Aluminum Roofs.....	29.14	
11 41 23 00-0337	SF	1/8" Aluminum Tread Plate.....	59.96	
11 41 23 00-0338	SF	3/16" Aluminum Tread Plate.....	72.31	
11 41 23 00-0339	EA	Digitemp Display Thermometer (Indoor Exterior Wall).....	251.76	
11 41 23 00-0340	EA	4-1/2" Dial Type Thermometer With 5' Cap Tube.....	227.30	
11 41 23 00-0341	EA	6" Dial Type Thermometer With 5' Cap Tube.....	706.91	
11 41 23 00-0342	EA	2" Dial Type Thermometer (Standard).....	86.92	
11 41 23 00-0343	LF	Extra Capillary Tubing.....	9.70	

11 41 23 00-0344

**Partition Wall For Walk-In Refrigerated Boxes** (11 41 23 00-0282)

Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.

11 41 23 00-0345	EA	5'-10" Length Partition Wall, 7'-2"/7'-6" High.....	2,526.03	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	121.02	
11 41 23 00-0346	EA	6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	2,750.37	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	131.97	
11 41 23 00-0347	EA	7'-9" Length Partition Wall, 7'-2"/7'-6" High.....	2,830.09	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	135.69	
11 41 23 00-0348	EA	8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,058.70	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	146.86	
11 41 23 00-0349	EA	9'-8" Length Partition Wall, 7'-2"/7'-6" High.....	2,998.04	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	143.56	
11 41 23 00-0350	EA	10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,221.34	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	154.46	
11 41 23 00-0351	EA	11'-7" Length Partition Wall, 7'-2"/7'-6" High.....	3,290.42	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	157.65	
11 41 23 00-0352	EA	12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,607.28	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	173.23	
11 41 23 00-0353	EA	13'-6" Length Partition Wall, 7'-2"/7'-6" High.....	3,470.07	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	166.11	
11 41 23 00-0354	EA	14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,694.42	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	177.06	
11 41 23 00-0355	EA	15'-5" Length Partition Wall, 7'-2"/7'-6" High.....	3,779.47	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	181.05	
11 41 23 00-0356	EA	16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	4,004.88	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	192.06	
11 41 23 00-0357	EA	17'-4" Length Partition Wall, 7'-2"/7'-6" High.....	4,607.93	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	221.95	
11 41 23 00-0358	EA	5'-10" Length Partition Wall, 8'-2"/8'-6" High.....	2,753.60	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	132.40	
11 41 23 00-0359	EA	6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	2,943.91	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	141.65	
11 41 23 00-0360	EA	7'-9" Length Partition Wall, 8'-2"/8'-6" High.....	3,037.46	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	146.06	

**11 Equipment****11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 23 00-0361	EA		8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High ..... Note: Galvalume both sides.	3,290.53	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	158.45	
11 41 23 00-0362	EA		9'-8" Length Partition Wall, 8'-2"/8'-6" High ..... Note: Galvalume both sides.	3,217.11	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	154.52	
11 41 23 00-0363	EA		10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High ..... Note: Galvalume both sides.	3,469.12	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	166.85	
11 41 23 00-0364	EA		11'-7" Length Partition Wall, 8'-2"/8'-6" High ..... Note: Galvalume both sides.	3,563.73	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	171.32	
11 41 23 00-0365	EA		12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High ..... Note: Galvalume both sides.	3,815.71	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	183.66	
11 41 23 00-0366	EA		13'-6" Length Partition Wall, 8'-2"/8'-6" High ..... Note: Galvalume both sides.	3,742.31	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	179.72	
11 41 23 00-0367	EA		14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High ..... Note: Galvalume both sides.	3,994.31	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	192.06	
11 41 23 00-0368	EA		15'-5" Length Partition Wall, 8'-2"/8'-6" High ..... Note: Galvalume both sides.	4,088.93	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	196.52	
11 41 23 00-0369	EA		16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High ..... Note: Galvalume both sides.	4,340.92	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	208.86	
11 41 23 00-0370	EA		17'-4" Length Partition Wall, 8'-2"/8'-6" High ..... Note: Galvalume both sides.	4,267.51	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	204.92	

**11 41 23 00-0371 Glass Doors For Walk-In Refrigerated Boxes** (11 41 23 00-0282)

Note: Factory installed, includes lights and 5 tier shelves.

11 41 23 00-0372	EA		23" x 67" Glass Door, Displayrite, Coolrite Model .....	1,055.99	
11 41 23 00-0373	EA		23" x 73" Glass Door, Displayrite, Coolrite Model .....	1,153.83	
11 41 23 00-0374	EA		30" x 67" Glass Door, Displayrite, Coolrite Model .....	1,163.40	
11 41 23 00-0375	EA		30" x 73" Glass Door, Displayrite, Coolrite Model .....	1,286.76	
11 41 23 00-0376	EA		23" x 67" Glass Door, Displayrite, Freezerite Model .....	1,412.24	
11 41 23 00-0377	EA		23" x 73" Glass Door, Displayrite, Freezerite Model .....	1,501.57	
11 41 23 00-0378	EA		30" x 67" Glass Door, Displayrite, Freezerite Model .....	1,506.89	
11 41 23 00-0379	EA		30" x 73" Glass Door, Displayrite, Freezerite Model .....	1,753.60	
11 41 23 00-0380	EA		24" x 67" Glass Door, Anthony Model 101 .....	1,435.64	
11 41 23 00-0381	EA		26" x 67" Glass Door, Anthony Model 101 .....	1,778.06	
11 41 23 00-0382	EA		30" x 67" Glass Door, Anthony Model 101 .....	1,898.23	
11 41 23 00-0383	EA		30x75 Glass Door, Anthony Model 101 .....	1,938.64	
11 41 23 00-0384	EA		24" x 67" Glass Door, Anthony Model 101 .....	2,186.42	
11 41 23 00-0385	EA		26" x 67" Glass Door, Anthony Model 101 .....	2,426.76	
11 41 23 00-0386	EA		30" x 67" Glass Door, Anthony Model 101 .....	2,471.42	
11 41 23 00-0387	EA		30" x 75" Glass Door, Anthony Model 101 .....	2,636.26	
11 41 23 00-0388	EA		23" x 67" Glass Door, Anthony Model 401 .....	1,133.62	
11 41 23 00-0389	EA		26-3/4" x 67" Glass Door, Anthony Model 401 .....	1,194.24	
11 41 23 00-0390	EA		30-1/4" x 67" Glass Door, Anthony Model 401 .....	1,605.79	
11 41 23 00-0391	EA		30-1/4" x 75" Glass Door, Anthony Model 401 .....	1,377.15	
11 41 23 00-0392	EA		23" x 67" Glass Door, Anthony Model 401 .....	1,529.22	
11 41 23 00-0393	EA		26-3/4" x 67" Glass Door, Anthony Model 401 .....	1,600.47	
11 41 23 00-0394	EA		30-1/4" x 67" Glass Door, Anthony Model 401 .....	1,605.79	
11 41 23 00-0395	EA		30-1/4" x 75" Glass Door, Anthony Model 401 .....	1,912.06	

**11 41 23 00-0396 Modular Wire Shelving For Walk-In Refrigerated Boxes** (11 41 23 00-0282)

11 41 23 00-0397	EA		14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	406.77	402.00
11 41 23 00-0398	EA		14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	429.06	402.00
11 41 23 00-0399	EA		14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	476.88	402.00
11 41 23 00-0400	EA		14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	503.44	402.00
11 41 23 00-0401	EA		14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	548.04	402.00
11 41 23 00-0402	EA		18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	467.35	402.00
11 41 23 00-0403	EA		18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	480.07	402.00
11 41 23 00-0404	EA		18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	528.96	402.00
11 41 23 00-0405	EA		18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	553.38	402.00
11 41 23 00-0406	EA		18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	630.94	402.00
11 41 23 00-0407	EA		21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	508.78	402.00
11 41 23 00-0408	EA		21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	516.20	402.00
11 41 23 00-0409	EA		21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	586.35	402.00



<b>Equipment</b>	<b>11</b>
<b>Foodservice Equipment</b>	<b>11 40</b>
<b>Foodservice Storage Equipment</b>	<b>11 41</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0410	EA		21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	591.64 402.00	
11 41 23 00-0411	EA		21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	679.82 402.00	
11 41 23 00-0412	EA		14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	351.47 402.00	
11 41 23 00-0413	EA		14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	369.51 402.00	
11 41 23 00-0414	EA		14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	404.57 402.00	
11 41 23 00-0415	EA		14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	414.11 402.00	
11 41 23 00-0416	EA		14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	471.47 402.00	
11 41 23 00-0417	EA		18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	386.53 402.00	
11 41 23 00-0418	EA		18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	414.14 402.00	
11 41 23 00-0419	EA		18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	438.57 402.00	
11 41 23 00-0420	EA		18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	445.98 402.00	
11 41 23 00-0421	EA		18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	523.53 402.00	
11 41 23 00-0422	EA		21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	423.71 402.00	
11 41 23 00-0423	EA		21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	440.70 402.00	
11 41 23 00-0424	EA		21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	472.56 402.00	
11 41 23 00-0425	EA		21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	490.61 402.00	
11 41 23 00-0426	EA		21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	570.29 402.00	
11 41 23 00-0427	EA		14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,724.51 402.00	
11 41 23 00-0428	EA		14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,923.75 402.00	
11 41 23 00-0429	EA		14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,962.47 402.00	
11 41 23 00-0430	EA		14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,001.20 402.00	
11 41 23 00-0431	EA		14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,419.75 402.00	
11 41 23 00-0432	EA		18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,810.05 402.00	
11 41 23 00-0433	EA		18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,922.34 402.00	
11 41 23 00-0434	EA		18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,128.27 402.00	
11 41 23 00-0435	EA		18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,213.81 402.00	
11 41 23 00-0436	EA		18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,705.92 402.00	
11 41 23 00-0437	EA		21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,955.78 402.00	
11 41 23 00-0438	EA		21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,134.96 402.00	
11 41 23 00-0439	EA		21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,340.89 402.00	
11 41 23 00-0440	EA		21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,426.43 402.00	
11 41 23 00-0441	EA		21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	3,079.05 402.00	
11 41 23 00-0442	EA		14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	480.04 472.00	
11 41 23 00-0443	EA		14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	517.23 472.00	
11 41 23 00-0444	EA		14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	559.74 472.00	
11 41 23 00-0445	EA		14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	599.04 472.00	
11 41 23 00-0446	EA		14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	650.02 472.00	
11 41 23 00-0447	EA		18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	565.08 472.00	
11 41 23 00-0448	EA		18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	579.94 472.00	
11 41 23 00-0449	EA		18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	638.38 472.00	
11 41 23 00-0450	EA		18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	669.19 472.00	
11 41 23 00-0451	EA		18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	762.70 472.00	
11 41 23 00-0452	EA		21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	615.04 472.00	
11 41 23 00-0453	EA		21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	635.19 472.00	

**11 Equipment****11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0454	EA		21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	701.09 472.00	
11 41 23 00-0455	EA		21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	717.01 472.00	
11 41 23 00-0456	EA		21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	821.17 472.00	
11 41 23 00-0457	EA		14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	413.05 472.00	
11 41 23 00-0458	EA		14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	434.28 472.00	
11 41 23 00-0459	EA		14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	476.79 472.00	
11 41 23 00-0460	EA		14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	487.38 472.00	
11 41 23 00-0461	EA		14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	556.43 472.00	
11 41 23 00-0462	EA		18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	465.12 472.00	
11 41 23 00-0463	EA		18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	496.99 472.00	
11 41 23 00-0464	EA		18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	563.94 472.00	
11 41 23 00-0465	EA		18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	560.72 472.00	
11 41 23 00-0466	EA		18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	626.58 472.00	
11 41 23 00-0467	EA		21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	509.76 472.00	
11 41 23 00-0468	EA		21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	529.91 472.00	
11 41 23 00-0469	EA		21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	569.22 472.00	
11 41 23 00-0470	EA		21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	589.40 472.00	
11 41 23 00-0471	EA		21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	687.17 472.00	
11 41 23 00-0472	EA		14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,104.87 472.00	
11 41 23 00-0473	EA		14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,352.59 472.00	
11 41 23 00-0474	EA		14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,399.68 472.00	
11 41 23 00-0475	EA		14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,446.75 472.00	
11 41 23 00-0476	EA		14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,967.29 472.00	
11 41 23 00-0477	EA		18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,210.47 472.00	
11 41 23 00-0478	EA		18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,349.52 472.00	
11 41 23 00-0479	EA		18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,605.60 472.00	
11 41 23 00-0480	EA		18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,711.20 472.00	
11 41 23 00-0481	EA		18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,323.70 472.00	
11 41 23 00-0482	EA		21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,391.32 472.00	
11 41 23 00-0483	EA		21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,613.96 472.00	
11 41 23 00-0484	EA		21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,870.04 472.00	
11 41 23 00-0485	EA		21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,975.65 472.00	
11 41 23 00-0486	EA		21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,788.80 472.00	

**11 41 31 Non-Refrigerated Storage Equipment (11 41)****11 41 31 00-0001 Wall Cabinets (11 41 31)**

11 41 31 00-0002	EA		48" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	1,822.63	81.86
11 41 31 00-0003	EA		72" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	2,404.91	108.07
11 41 31 00-0004	EA		72" Wall Cabinet With Hinged Doors Note: 15" deep and 24" high.	2,760.29	123.90
11 41 31 00-0005	EA		72" Wall Cabinet With Open Shelves Note: 15" deep and 24" high.	1,766.51	79.03

**11 41 31 00-0006 Mobile Sheet Pan Truck (11 41 31)**

11 41 31 00-0007	EA		2 Level Mobile Sheet Pan Truck	168.96	6.37
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**11 41 31 00-0008 Pot And Utensil Rack (11 41 31)**

11 41 31 00-0009	EA		70" Bench Type Pot And Utensil Rack	493.16	19.42
11 41 31 00-0010	EA		94" Bench Type Pot And Utensil Rack	571.41	21.95

<b>Equipment</b>	<b>11</b>
<b>Foodservice Equipment</b>	<b>11 40</b>
<b>Foodservice Storage Equipment</b>	<b>11 41</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 31 00-0011	EA		94" Ceiling Type Pot And Utensil Rack.....	679.37	26.29
11 41 31 00-0012	EA		96" Wall Type Pot And Utensil Rack.....	369.48	14.36
<b>11 41 31 00-0013</b>			<b>Tray And Silverware Cart (11 41 31)</b>		
11 41 31 00-0014	EA		33" x 22-1/2" x 42" Tray And Silverware Cart.....	1,705.28	65.54
<b>11 41 31 00-0015</b>			<b>Flat Top Utility Units (11 41 31)</b>		
11 41 31 00-0016	EA		39" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	1,162.70	44.80
11 41 31 00-0017	EA		79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	1,558.06	59.87

**11 41 33 Foodservice Shelving (11 41)**

**11 41 33 00-0001 Shelving/Racks (11 41 33)**

**11 41 33 00-0002 Chrome Shelving Units (11 41 33 00-0001)**

**11 41 33 00-0003 54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)**

11 41 33 00-0004	EA		14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	215.65	30.38
11 41 33 00-0005	EA		14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	226.13	30.63
11 41 33 00-0006	EA		14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	239.09	30.88
11 41 33 00-0007	EA		14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	247.18	31.14
11 41 33 00-0008	EA		14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	262.52	31.39
11 41 33 00-0009	EA		14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	275.51	31.64
11 41 33 00-0010	EA		14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	286.00	31.89
11 41 33 00-0011	EA		14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	309.44	32.39
11 41 33 00-0012	EA		18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	233.43	30.63
11 41 33 00-0013	EA		18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	241.53	30.88
11 41 33 00-0014	EA		18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	249.63	31.14
11 41 33 00-0015	EA		18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	272.31	31.39
11 41 33 00-0016	EA		18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	287.70	31.64
11 41 33 00-0017	EA		18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	307.93	31.89
11 41 33 00-0018	EA		18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	315.97	32.14
11 41 33 00-0019	EA		18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	344.35	32.64
11 41 33 00-0020	EA		21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	243.98	30.88
11 41 33 00-0021	EA		21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	261.77	31.14
11 41 33 00-0022	EA		21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	274.76	31.39
11 41 33 00-0023	EA		21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	290.10	31.64
11 41 33 00-0024	EA		21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	300.63	31.89
11 41 33 00-0025	EA		21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	325.77	32.14
11 41 33 00-0026	EA		21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	338.70	32.39
11 41 33 00-0027	EA		21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	371.93	32.89
11 41 33 00-0028	EA		24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	266.72	31.14
11 41 33 00-0029	EA		24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	277.21	31.39
11 41 33 00-0030	EA		24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	285.25	31.64
11 41 33 00-0031	EA		24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	305.53	31.89
11 41 33 00-0032	EA		24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	318.47	32.14
11 41 33 00-0033	EA		24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	343.60	32.39
11 41 33 00-0034	EA		24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	361.38	32.64
11 41 33 00-0035	EA		24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	404.39	33.14
11 41 33 00-0036	EA		30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	345.49	31.39
11 41 33 00-0037	EA		30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	385.19	31.64
11 41 33 00-0038	EA		30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	410.37	31.89
11 41 33 00-0039	EA		30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	467.22	32.14
11 41 33 00-0040	EA		36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	380.16	32.39
11 41 33 00-0041	EA		36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	417.53	32.64
11 41 33 00-0042	EA		36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	464.55	32.89
11 41 33 00-0043	EA		36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	540.77	33.39

**11 41 33 00-0044 63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)**

11 41 33 00-0045	EA		14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	218.05	30.38
11 41 33 00-0046	EA		14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	228.53	30.63
11 41 33 00-0047	EA		14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	241.48	30.88
11 41 33 00-0048	EA		14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	249.58	31.14
11 41 33 00-0049	EA		14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	264.92	31.39
11 41 33 00-0050	EA		14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	277.90	31.64
11 41 33 00-0051	EA		14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	288.40	31.89
11 41 33 00-0052	EA		14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	311.82	32.39
11 41 33 00-0053	EA		18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	235.82	30.63
11 41 33 00-0054	EA		18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	243.93	30.88
11 41 33 00-0055	EA		18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	252.03	31.14
11 41 33 00-0056	EA		18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	274.70	31.39
11 41 33 00-0057	EA		18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	290.10	31.64
11 41 33 00-0058	EA		18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	310.31	31.89
11 41 33 00-0059	EA		18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	318.37	32.14
11 41 33 00-0060	EA		18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	323.05	32.64
11 41 33 00-0061	EA		21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	246.38	30.88
11 41 33 00-0062	EA		21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	264.17	31.14
11 41 33 00-0063	EA		21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	277.15	31.39
11 41 33 00-0064	EA		21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	292.48	31.64
11 41 33 00-0065	EA		21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	303.03	31.89
11 41 33 00-0066	EA		21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	328.16	32.14

**11 Equipment****11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

11 41 33 00-0067	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	341.10	32.39
11 41 33 00-0068	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	374.33	32.89
11 41 33 00-0069	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	269.12	31.14
11 41 33 00-0070	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	279.60	31.39
11 41 33 00-0071	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	287.65	31.64
11 41 33 00-0072	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	307.93	31.89
11 41 33 00-0073	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	320.87	32.14
11 41 33 00-0074	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	345.99	32.39
11 41 33 00-0075	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	363.77	32.64
11 41 33 00-0076	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	406.79	33.14
11 41 33 00-0077	EA	30" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	347.88	31.39
11 41 33 00-0078	EA	30" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	387.59	31.64
11 41 33 00-0079	EA	30" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	412.76	31.89
11 41 33 00-0080	EA	30" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	469.61	32.14
11 41 33 00-0081	EA	36" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	382.55	32.39
11 41 33 00-0082	EA	36" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	419.91	32.64
11 41 33 00-0083	EA	36" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	466.97	32.89
11 41 33 00-0084	EA	36" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	543.15	33.39

**11 41 33 00-0085 66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** (11 41 33 00-0002)

11 41 33 00-0086	EA	14" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	219.30	30.38
11 41 33 00-0087	EA	14" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	229.78	30.63
11 41 33 00-0088	EA	14" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	242.73	30.88
11 41 33 00-0089	EA	14" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	250.83	31.14
11 41 33 00-0090	EA	14" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	266.17	31.39
11 41 33 00-0091	EA	14" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	279.15	31.64
11 41 33 00-0092	EA	14" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	289.65	31.89
11 41 33 00-0093	EA	14" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	313.07	32.39
11 41 33 00-0094	EA	18" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	237.08	30.63
11 41 33 00-0095	EA	18" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	245.18	30.88
11 41 33 00-0096	EA	18" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	253.28	31.14
11 41 33 00-0097	EA	18" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	275.96	31.39
11 41 33 00-0098	EA	18" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	291.35	31.64
11 41 33 00-0099	EA	18" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	311.56	31.89
11 41 33 00-0100	EA	18" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	319.62	32.14
11 41 33 00-0101	EA	18" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	348.00	32.64
11 41 33 00-0102	EA	21" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	247.62	30.88
11 41 33 00-0103	EA	21" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	265.42	31.14
11 41 33 00-0104	EA	21" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	278.40	31.39
11 41 33 00-0105	EA	21" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	293.73	31.64
11 41 33 00-0106	EA	21" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	304.28	31.89
11 41 33 00-0107	EA	21" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	329.41	32.14
11 41 33 00-0108	EA	21" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	342.35	32.39
11 41 33 00-0109	EA	21" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	375.58	32.89
11 41 33 00-0110	EA	24" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	270.36	31.14
11 41 33 00-0111	EA	24" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	280.85	31.39
11 41 33 00-0112	EA	24" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	288.90	31.64
11 41 33 00-0113	EA	24" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	309.18	31.89
11 41 33 00-0114	EA	24" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	322.12	32.14
11 41 33 00-0115	EA	24" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	347.25	32.39
11 41 33 00-0116	EA	24" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	365.02	32.64
11 41 33 00-0117	EA	24" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	408.04	33.14
11 41 33 00-0118	EA	30" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	349.13	31.39
11 41 33 00-0119	EA	30" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	388.84	31.64
11 41 33 00-0120	EA	30" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	414.02	31.89
11 41 33 00-0121	EA	30" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	470.86	32.14
11 41 33 00-0122	EA	36" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	383.80	32.39
11 41 33 00-0123	EA	36" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	421.16	32.64
11 41 33 00-0124	EA	36" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	468.21	32.89
11 41 33 00-0125	EA	36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	544.40	33.39

**11 41 33 00-0126 74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** (11 41 33 00-0002)

11 41 33 00-0127	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	222.94	30.38
11 41 33 00-0128	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	233.43	30.63
11 41 33 00-0129	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	246.38	30.88
11 41 33 00-0130	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	254.48	31.14
11 41 33 00-0131	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	269.82	31.39
11 41 33 00-0132	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	282.80	31.64
11 41 33 00-0133	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	293.30	31.89
11 41 33 00-0134	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	316.72	32.39
11 41 33 00-0135	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	240.72	30.63
11 41 33 00-0136	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	248.82	30.88
11 41 33 00-0137	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	256.93	31.14
11 41 33 00-0138	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	279.60	31.39
11 41 33 00-0139	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	294.98	31.64
11 41 33 00-0140	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	315.21	31.89
11 41 33 00-0141	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	323.27	32.14
11 41 33 00-0142	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	351.64	32.64
11 41 33 00-0143	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	251.27	30.88
11 41 33 00-0144	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	269.07	31.14
11 41 33 00-0145	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	282.05	31.39
11 41 33 00-0146	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	297.38	31.64
11 41 33 00-0147	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	307.93	31.89

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 33 00-0148	EA	21"	x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	333.05	32.14
11 41 33 00-0149	EA	21"	x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	345.99	32.39
11 41 33 00-0150	EA	21"	x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	379.22	32.89
11 41 33 00-0151	EA	24"	x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	274.01	31.14
11 41 33 00-0152	EA	24"	x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	284.50	31.39
11 41 33 00-0153	EA	24"	x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	292.55	31.64
11 41 33 00-0154	EA	24"	x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	312.81	31.89
11 41 33 00-0155	EA	24"	x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	325.77	32.14
11 41 33 00-0156	EA	24"	x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	350.89	32.39
11 41 33 00-0157	EA	24"	x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	368.67	32.64
11 41 33 00-0158	EA	24"	x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	411.69	33.14
11 41 33 00-0159	EA	30"	x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	352.77	31.39
11 41 33 00-0160	EA	30"	x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	392.49	31.64
11 41 33 00-0161	EA	30"	x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	417.65	31.89
11 41 33 00-0162	EA	30"	x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	474.51	32.14
11 41 33 00-0163	EA	36"	x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	387.45	32.39
11 41 33 00-0164	EA	36"	x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	424.81	32.64
11 41 33 00-0165	EA	36"	x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	471.87	32.89
11 41 33 00-0166	EA	36"	x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	548.05	33.39

**11 41 33 00-0167 86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** (11 41 33 00-0002)

11 41 33 00-0168	EA	14"	x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	232.68	30.38
11 41 33 00-0169	EA	14"	x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	243.17	30.63
11 41 33 00-0170	EA	14"	x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	256.11	30.88
11 41 33 00-0171	EA	14"	x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	264.22	31.14
11 41 33 00-0172	EA	14"	x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	279.55	31.39
11 41 33 00-0173	EA	14"	x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	292.55	31.64
11 41 33 00-0174	EA	14"	x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	303.03	31.89
11 41 33 00-0175	EA	14"	x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	326.47	32.39
11 41 33 00-0176	EA	18"	x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	250.46	30.63
11 41 33 00-0177	EA	18"	x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	258.56	30.88
11 41 33 00-0178	EA	18"	x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	266.67	31.14
11 41 33 00-0179	EA	18"	x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	289.35	31.39
11 41 33 00-0180	EA	18"	x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	304.73	31.64
11 41 33 00-0181	EA	18"	x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	324.96	31.89
11 41 33 00-0182	EA	18"	x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	333.01	32.14
11 41 33 00-0183	EA	18"	x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	361.38	32.64
11 41 33 00-0184	EA	21"	x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	261.01	30.88
11 41 33 00-0185	EA	21"	x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	278.80	31.14
11 41 33 00-0186	EA	21"	x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	291.80	31.39
11 41 33 00-0187	EA	21"	x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	307.12	31.64
11 41 33 00-0188	EA	21"	x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	317.66	31.89
11 41 33 00-0189	EA	21"	x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	342.80	32.14
11 41 33 00-0190	EA	21"	x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	355.74	32.39
11 41 33 00-0191	EA	21"	x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	388.96	32.89
11 41 33 00-0192	EA	24"	x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	283.75	31.14
11 41 33 00-0193	EA	24"	x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	294.23	31.39
11 41 33 00-0194	EA	24"	x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	302.28	31.64
11 41 33 00-0195	EA	24"	x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	322.56	31.89
11 41 33 00-0196	EA	24"	x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	335.50	32.14
11 41 33 00-0197	EA	24"	x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	360.63	32.39
11 41 33 00-0198	EA	24"	x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	378.40	32.64
11 41 33 00-0199	EA	24"	x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	421.42	33.14
11 41 33 00-0200	EA	30"	x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	362.51	31.39
11 41 33 00-0201	EA	30"	x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	402.22	31.64
11 41 33 00-0202	EA	30"	x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	427.40	31.89
11 41 33 00-0203	EA	30"	x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	484.24	32.14
11 41 33 00-0204	EA	36"	x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	397.18	32.39
11 41 33 00-0205	EA	36"	x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	434.55	32.64
11 41 33 00-0206	EA	36"	x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	481.62	32.89
11 41 33 00-0207	EA	36"	x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	557.79	33.39

**11 41 33 00-0208 96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** (11 41 33 00-0002)

11 41 33 00-0209	EA	14"	x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	268.65	30.38
11 41 33 00-0210	EA	14"	x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	281.57	30.63
11 41 33 00-0211	EA	14"	x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	297.57	30.88
11 41 33 00-0212	EA	14"	x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	307.51	31.14
11 41 33 00-0213	EA	14"	x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	326.49	31.39
11 41 33 00-0214	EA	14"	x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	342.54	31.64
11 41 33 00-0215	EA	14"	x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	355.46	31.89
11 41 33 00-0216	EA	14"	x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	384.38	32.39
11 41 33 00-0217	EA	18"	x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	290.69	30.63
11 41 33 00-0218	EA	18"	x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	300.63	30.88
11 41 33 00-0219	EA	18"	x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	310.56	31.14
11 41 33 00-0220	EA	18"	x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	338.72	31.39
11 41 33 00-0221	EA	18"	x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	357.77	31.64
11 41 33 00-0222	EA	18"	x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	382.87	31.89
11 41 33 00-0223	EA	18"	x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	392.74	32.14
11 41 33 00-0224	EA	18"	x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	427.83	32.64
11 41 33 00-0225	EA	21"	x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	303.69	30.88
11 41 33 00-0226	EA	21"	x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	325.74	31.14
11 41 33 00-0227	EA	21"	x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	341.79	31.39
11 41 33 00-0228	EA	21"	x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	360.76	31.64

**11 Equipment****11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

11 41 33 00-0229	EA	21" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	373.76	31.89
11 41 33 00-0230	EA	21" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	404.98	32.14
11 41 33 00-0231	EA	21" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	420.97	32.39
11 41 33 00-0232	EA	21" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	462.12	32.89
11 41 33 00-0233	EA	24" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	331.92	31.14
11 41 33 00-0234	EA	24" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	344.85	31.39
11 41 33 00-0235	EA	24" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	354.71	31.64
11 41 33 00-0236	EA	24" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	379.88	31.89
11 41 33 00-0237	EA	24" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	395.86	32.14
11 41 33 00-0238	EA	24" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	427.08	32.39
11 41 33 00-0239	EA	24" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	449.12	32.64
11 41 33 00-0240	EA	24" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	502.51	33.14
11 41 33 00-0241	EA	30" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	430.19	31.39
11 41 33 00-0242	EA	30" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	479.64	31.64
11 41 33 00-0243	EA	30" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	510.92	31.89
11 41 33 00-0244	EA	30" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	581.80	32.14
11 41 33 00-0245	EA	36" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	472.78	32.39
11 41 33 00-0246	EA	36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	519.30	32.64
11 41 33 00-0247	EA	36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	577.93	32.89
11 41 33 00-0248	EA	36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	672.78	33.39

**11 41 33 00-0249 Galvanized Shelving Units (11 41 33 00-0001)****11 41 33 00-0250 54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)**

11 41 33 00-0251	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	296.58	30.38
11 41 33 00-0252	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	311.71	30.63
11 41 33 00-0253	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	330.52	30.88
11 41 33 00-0254	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	345.66	31.14
11 41 33 00-0255	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	368.06	31.39
11 41 33 00-0256	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	386.78	31.64
11 41 33 00-0257	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	405.58	31.89
11 41 33 00-0258	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	435.85	32.39
11 41 33 00-0259	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	322.50	30.63
11 41 33 00-0260	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	334.12	30.88
11 41 33 00-0261	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	356.45	31.14
11 41 33 00-0262	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	382.44	31.39
11 41 33 00-0263	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	404.83	31.64
11 41 33 00-0264	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	434.34	31.89
11 41 33 00-0265	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	456.75	32.14
11 41 33 00-0266	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	490.73	32.64
11 41 33 00-0267	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	337.71	30.88
11 41 33 00-0268	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	367.31	31.14
11 41 33 00-0269	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	386.03	31.39
11 41 33 00-0270	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	408.43	31.64
11 41 33 00-0271	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	423.56	31.89
11 41 33 00-0272	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	463.94	32.14
11 41 33 00-0273	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	482.74	32.39
11 41 33 00-0274	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	538.25	32.89
11 41 33 00-0275	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	374.50	31.14
11 41 33 00-0276	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	389.63	31.39
11 41 33 00-0277	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	401.24	31.64
11 41 33 00-0278	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	430.75	31.89
11 41 33 00-0279	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	463.94	32.14
11 41 33 00-0280	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	500.70	32.39
11 41 33 00-0281	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	530.30	32.64
11 41 33 00-0282	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	596.67	33.14

**11 41 33 00-0283 63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)**

11 41 33 00-0284	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	303.77	30.38
11 41 33 00-0285	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	318.90	30.63
11 41 33 00-0286	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	337.71	30.88
11 41 33 00-0287	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	352.85	31.14
11 41 33 00-0288	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	375.25	31.39
11 41 33 00-0289	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	393.97	31.64
11 41 33 00-0290	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	412.77	31.89
11 41 33 00-0291	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	443.04	32.39
11 41 33 00-0292	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	329.69	30.63
11 41 33 00-0293	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	341.31	30.88
11 41 33 00-0294	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	363.64	31.14
11 41 33 00-0295	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	389.63	31.39
11 41 33 00-0296	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	412.02	31.64
11 41 33 00-0297	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	441.53	31.89
11 41 33 00-0298	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	463.94	32.14
11 41 33 00-0299	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	497.87	32.64
11 41 33 00-0300	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	344.90	30.88
11 41 33 00-0301	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	374.50	31.14
11 41 33 00-0302	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	393.22	31.39
11 41 33 00-0303	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	415.62	31.64
11 41 33 00-0304	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	430.75	31.89
11 41 33 00-0305	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	471.13	32.14
11 41 33 00-0306	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	489.93	32.39
11 41 33 00-0307	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	545.44	32.89
11 41 33 00-0308	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	381.69	31.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 33 00-0309	EA		24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	396.82	31.39
11 41 33 00-0310	EA		24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	408.43	31.64
11 41 33 00-0311	EA		24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	437.94	31.89
11 41 33 00-0312	EA		24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	471.13	32.14
11 41 33 00-0313	EA		24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	507.89	32.39
11 41 33 00-0314	EA		24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	537.49	32.64
11 41 33 00-0315	EA		24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	603.86	33.14

**11 41 33 00-0316 74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit** (11 41 33 00-0249)

11 41 33 00-0317	EA		14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	310.96	30.38
11 41 33 00-0318	EA		14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	326.09	30.63
11 41 33 00-0319	EA		14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	344.90	30.88
11 41 33 00-0320	EA		14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	360.04	31.14
11 41 33 00-0321	EA		14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	382.44	31.39
11 41 33 00-0322	EA		14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	401.16	31.64
11 41 33 00-0323	EA		14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	419.96	31.89
11 41 33 00-0324	EA		14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	450.22	32.39
11 41 33 00-0325	EA		18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	336.88	30.63
11 41 33 00-0326	EA		18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	348.50	30.88
11 41 33 00-0327	EA		18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	370.83	31.14
11 41 33 00-0328	EA		18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	396.82	31.39
11 41 33 00-0329	EA		18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	419.21	31.64
11 41 33 00-0330	EA		18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	448.71	31.89
11 41 33 00-0331	EA		18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	471.13	32.14
11 41 33 00-0332	EA		18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	505.06	32.64
11 41 33 00-0333	EA		21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	352.09	30.88
11 41 33 00-0334	EA		21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	381.69	31.14
11 41 33 00-0335	EA		21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	400.41	31.39
11 41 33 00-0336	EA		21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	422.81	31.64
11 41 33 00-0337	EA		21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	437.94	31.89
11 41 33 00-0338	EA		21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	478.32	32.14
11 41 33 00-0339	EA		21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	497.12	32.39
11 41 33 00-0340	EA		21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	552.63	32.89
11 41 33 00-0341	EA		24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	388.88	31.14
11 41 33 00-0342	EA		24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	404.01	31.39
11 41 33 00-0343	EA		24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	415.62	31.64
11 41 33 00-0344	EA		24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	445.13	31.89
11 41 33 00-0345	EA		24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	478.32	32.14
11 41 33 00-0346	EA		24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	515.08	32.39
11 41 33 00-0347	EA		24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	544.68	32.64
11 41 33 00-0348	EA		24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	611.04	33.14

**11 41 33 00-0349 86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit** (11 41 33 00-0249)

11 41 33 00-0350	EA		14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	329.01	30.38
11 41 33 00-0351	EA		14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	344.14	30.63
11 41 33 00-0352	EA		14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	362.95	30.88
11 41 33 00-0353	EA		14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	378.09	31.14
11 41 33 00-0354	EA		14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	400.49	31.39
11 41 33 00-0355	EA		14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	419.21	31.64
11 41 33 00-0356	EA		14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	438.01	31.89
11 41 33 00-0357	EA		14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	468.27	32.39
11 41 33 00-0358	EA		18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	354.93	30.63
11 41 33 00-0359	EA		18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	366.55	30.88
11 41 33 00-0360	EA		18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	388.88	31.14
11 41 33 00-0361	EA		18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	414.87	31.39
11 41 33 00-0362	EA		18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	437.26	31.64
11 41 33 00-0363	EA		18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	466.76	31.89
11 41 33 00-0364	EA		18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	489.18	32.14
11 41 33 00-0365	EA		18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	523.11	32.64
11 41 33 00-0366	EA		21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	370.14	30.88
11 41 33 00-0367	EA		21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	399.74	31.14
11 41 33 00-0368	EA		21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	418.46	31.39
11 41 33 00-0369	EA		21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	440.86	31.64
11 41 33 00-0370	EA		21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	455.99	31.89
11 41 33 00-0371	EA		21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	496.37	32.14
11 41 33 00-0372	EA		21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	515.17	32.39
11 41 33 00-0373	EA		21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	570.68	32.89
11 41 33 00-0374	EA		24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	406.93	31.14
11 41 33 00-0375	EA		24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	422.06	31.39
11 41 33 00-0376	EA		24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	433.67	31.64
11 41 33 00-0377	EA		24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	463.18	31.89
11 41 33 00-0378	EA		24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	496.37	32.14
11 41 33 00-0379	EA		24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	533.13	32.39
11 41 33 00-0380	EA		24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	562.73	32.64
11 41 33 00-0381	EA		24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	629.09	33.14

**11 41 33 00-0382 54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** (11 41 33 00-0249)

11 41 33 00-0383	EA		18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	561.80	31.14
11 41 33 00-0384	EA		18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	617.37	31.64
11 41 33 00-0385	EA		18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	690.93	32.14
11 41 33 00-0386	EA		18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	735.65	32.64
11 41 33 00-0387	EA		24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	613.71	31.64

**11 Equipment**  
**11 40 Foodservice Equipment**  
**11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0388	EA		24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit .....	708.91	32.14
11 41 33 00-0389	EA		24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit .....	782.46	32.64
11 41 33 00-0390	EA		24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit .....	892.03	33.14
<b>11 41 33 00-0391</b>			<b>63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit <small>(11 41 33 00-0249)</small></b>		
11 41 33 00-0392	EA		18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit .....	568.99	31.14
11 41 33 00-0393	EA		18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit .....	624.57	31.64
11 41 33 00-0394	EA		18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit .....	698.12	32.14
11 41 33 00-0395	EA		18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit .....	742.84	32.64
11 41 33 00-0396	EA		24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit .....	620.90	31.64
11 41 33 00-0397	EA		24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit .....	716.10	32.14
11 41 33 00-0398	EA		24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit .....	789.65	32.64
11 41 33 00-0399	EA		24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit .....	899.22	33.14
<b>11 41 33 00-0400</b>			<b>74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit <small>(11 41 33 00-0249)</small></b>		
11 41 33 00-0401	EA		18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit .....	576.18	31.14
11 41 33 00-0402	EA		18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit .....	631.76	31.64
11 41 33 00-0403	EA		18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit .....	705.32	32.14
11 41 33 00-0404	EA		18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit .....	750.03	32.64
11 41 33 00-0405	EA		24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit .....	628.09	31.64
11 41 33 00-0406	EA		24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit .....	723.29	32.14
11 41 33 00-0407	EA		24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit .....	796.83	32.64
11 41 33 00-0408	EA		24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit .....	906.43	33.14
<b>11 41 33 00-0409</b>			<b>86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit <small>(11 41 33 00-0249)</small></b>		
11 41 33 00-0410	EA		18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit .....	594.23	31.14
11 41 33 00-0411	EA		18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit .....	649.80	31.64
11 41 33 00-0412	EA		18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit .....	723.36	32.14
11 41 33 00-0413	EA		18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit .....	768.08	32.64
11 41 33 00-0414	EA		24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit .....	646.14	31.64
11 41 33 00-0415	EA		24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit .....	741.34	32.14
11 41 33 00-0416	EA		24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit .....	814.89	32.64
11 41 33 00-0417	EA		24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit .....	924.46	33.14
<b>11 41 33 00-0418</b>			<b>Stainless Steel Shelving Unit <small>(11 41 33 00-0001)</small></b>		
<b>11 41 33 00-0419</b>			<b>63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit <small>(11 41 33 00-0418)</small></b>		
11 41 33 00-0420	EA		18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	719.98	31.14
11 41 33 00-0421	EA		18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	839.75	31.64
11 41 33 00-0422	EA		18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	991.14	32.14
11 41 33 00-0423	EA		18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,149.70	32.64
11 41 33 00-0424	EA		24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	849.79	31.64
11 41 33 00-0425	EA		24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	987.19	32.14
11 41 33 00-0426	EA		24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,167.33	32.64
11 41 33 00-0427	EA		24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,405.31	33.14
<b>11 41 33 00-0428</b>			<b>74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit <small>(11 41 33 00-0418)</small></b>		
11 41 33 00-0429	EA		18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	745.14	31.14
11 41 33 00-0430	EA		18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	864.91	31.64
11 41 33 00-0431	EA		18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,019.89	32.14
11 41 33 00-0432	EA		18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,174.85	32.64
11 41 33 00-0433	EA		24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	874.95	31.64
11 41 33 00-0434	EA		24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,012.35	32.14
11 41 33 00-0435	EA		24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,192.48	32.64
11 41 33 00-0436	EA		24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,430.48	33.14
<b>11 41 33 00-0437</b>			<b>86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit <small>(11 41 33 00-0418)</small></b>		
11 41 33 00-0438	EA		18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	770.30	31.14
11 41 33 00-0439	EA		18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	890.07	31.64
11 41 33 00-0440	EA		18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,045.04	32.14
11 41 33 00-0441	EA		18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,200.02	32.64
11 41 33 00-0442	EA		24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	900.11	31.64
11 41 33 00-0443	EA		24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,037.51	32.14
11 41 33 00-0444	EA		24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,217.65	32.64
11 41 33 00-0445	EA		24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,455.63	33.14
<b>11 41 33 00-0446</b>			<b>63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit <small>(11 41 33 00-0418)</small></b>		
11 41 33 00-0447	EA		18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,185.06	31.14
11 41 33 00-0448	EA		18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,310.71	31.64
11 41 33 00-0449	EA		18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,477.58	32.14
11 41 33 00-0450	EA		18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,578.30	32.64
11 41 33 00-0451	EA		24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,420.67	31.64
11 41 33 00-0452	EA		24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,674.36	32.14
11 41 33 00-0453	EA		24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,859.33	32.64
11 41 33 00-0454	EA		24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	2,136.04	33.14



<b>Equipment</b>	<b>11</b>
<b>Foodservice Equipment</b>	<b>11 40</b>
<b>Foodservice Storage Equipment</b>	<b>11 41</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>11 41 33 00-0455</b>	<b>74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit</b> <small>(11 41 33 00-0418)</small>		
11 41 33 00-0456	EA 18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,221.08	31.14
11 41 33 00-0457	EA 18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,348.91	31.64
11 41 33 00-0458	EA 18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,518.73	32.14
11 41 33 00-0459	EA 18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,621.16	32.64
11 41 33 00-0460	EA 24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,456.70	31.64
11 41 33 00-0461	EA 24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,710.37	32.14
11 41 33 00-0462	EA 24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,897.38	32.64
11 41 33 00-0463	EA 24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	2,177.19	33.14

<b>11 41 33 00-0464</b>	<b>86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit</b> <small>(11 41 33 00-0418)</small>		
11 41 33 00-0465	EA 18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,257.11	31.14
11 41 33 00-0466	EA 18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,384.25	31.64
11 41 33 00-0467	EA 18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,553.18	32.14
11 41 33 00-0468	EA 18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,655.13	32.64
11 41 33 00-0469	EA 24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,492.72	31.64
11 41 33 00-0470	EA 24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,746.40	32.14
11 41 33 00-0471	EA 24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,932.25	32.64
11 41 33 00-0472	EA 24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	2,210.25	33.14

<b>11 41 33 00-0473</b>	<b>Galvanized Steel Dunnage Rack</b> <small>(11 41 33 00-0001)</small>		
11 41 33 00-0474	EA 18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	194.82	22.39
11 41 33 00-0475	EA 18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	205.08	23.01
11 41 33 00-0476	EA 18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	216.74	23.64
11 41 33 00-0477	EA 18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	238.16	24.26
11 41 33 00-0478	EA 18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	256.78	24.88
11 41 33 00-0479	EA 24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	208.77	22.39
11 41 33 00-0480	EA 24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	227.41	23.01
11 41 33 00-0481	EA 24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	239.06	23.64
11 41 33 00-0482	EA 24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	259.09	24.26
11 41 33 00-0483	EA 24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	281.90	24.88

<b>11 41 33 00-0484</b>	<b>Stainless Steel Dunnage Rack</b> <small>(11 41 33 00-0001)</small>		
11 41 33 00-0485	EA 18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack .....	507.55	23.64
11 41 33 00-0486	EA 18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack .....	634.08	24.26
11 41 33 00-0487	EA 18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack .....	1,064.73	24.88
11 41 33 00-0488	EA 24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack .....	554.22	23.64
11 41 33 00-0489	EA 24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack .....	688.11	24.26
11 41 33 00-0490	EA 24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack .....	1,160.09	24.88

<b>11 41 33 00-0491</b>	<b>Mobile Racks</b> <small>(11 41 33 00-0001)</small>		
11 41 33 00-0492	EA Mobile Rack With Pan Slide.....	1,448.22	37.70

<b>11 41 33 00-0493</b>	<b>Can Racks</b> <small>(11 41 33 00-0001)</small>		
11 41 33 00-0494	EA 27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack .....	2,806.76	37.70
	Note: 156 #10 cans capacity		

**11 42 Food Preparation Equipment** (11 40)

**11 42 13 Food Preparation Appliances** (11 42)

<b>11 42 13 00-0001</b>	<b>Vertical Cutter Mixers</b> <small>(11 42 13)</small>		
11 42 13 00-0002	EA Bench Type Mixers, 25 Quart .....	8,484.71	188.14
11 42 13 00-0003	EA Bench Type Mixers, 40 Quart .....	9,806.27	209.05
11 42 13 00-0004	EA Bench Type Mixers, 80 Quart .....	12,186.01	301.03
11 42 13 00-0005	EA Bench Type Mixers, 130 Quart .....	13,623.63	376.29

<b>11 42 13 00-0006</b>	<b>Choppers</b> <small>(11 42 13)</small>		
11 42 13 00-0007	EA Choppers, 5 LB.....	2,163.94	167.24
11 42 13 00-0008	EA Choppers, 16 LB .....	3,171.95	217.41
11 42 13 00-0009	EA Choppers, 35 LB - 40 LB.....	6,094.16	267.58
11 42 13 00-0010	EA Choppers, 35 LB - 40 LB/Min, 2 HP .....	5,050.05	237.73
11 42 13 00-0011	EA Choppers, 35 LB - 40 LB/Min, 3 HP .....	5,721.75	237.73

<b>11 42 13 00-0012</b>	<b>Stand Model Mixer</b> <small>(11 42 13)</small>		
11 42 13 00-0013	EA 10 Quart, 120 Voltage, 3/4 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX10).....	1,012.78	83.49
11 42 13 00-0014	EA 20 Quart, 120 Voltage, 1-1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX20).....	1,254.78	83.49
11 42 13 00-0015	EA 10 Quart, 120 Voltage, 1/3 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Globe SP10).....	3,277.90	83.49
11 42 13 00-0016	EA 20 Quart, 240 Voltage, 1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Stainless Steel Bowl Guard (Hobart HL-200-1).....	6,885.55	79.44

<b>11 42 13 00-0017</b>	<b>Floor Model Mixer</b> <small>(11 42 13)</small>		
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**11 Equipment**  
**11 40 Foodservice Equipment**  
**11 42 Food Preparation Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13 00-0018	EA		30 Quart, 120 Voltage, 1-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX30) .....	2,585.78	83.49
11 42 13 00-0019	EA		40 Quart, 240 Voltage, 2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX40) .....	3,572.36	92.78
11 42 13 00-0020	EA		60 Quart, 240 Voltage, 2-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX60) .....	6,136.53	104.37
11 42 13 00-0021	EA		30 Quart, 240 Voltage, 3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-300-1) .....	13,083.90	79.44
11 42 13 00-0022	EA		40 Quart, 240 Voltage, 1-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-400-1) .....	16,062.54	81.52
11 42 13 00-0023	EA		60 Quart, 220-240 Voltage, 2-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-600-1) .....	20,456.28	83.62
11 42 13 00-0024	EA		80 Quart, 220-240 Voltage, 3 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL800-1) .....	30,208.10	104.52
11 42 13 00-0025	EA		140 Quart, 220-240 Voltage, 5 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-1400-1) .....	38,695.07	133.79
<b>11 42 13 00-0026</b>			<b>Slicers <sup>(11 42 13)</sup></b>		
11 42 13 00-0027	EA		1/3 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL312) .....	602.18	26.09
11 42 13 00-0028	EA		1/2 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL512) .....	876.09	26.09
11 42 13 00-0029	EA		1/2 HP, 13" Medium-Duty Manual Gravity Feed Meat Slicer (Avantco SL713MAN) .....	1,261.09	26.09
11 42 13 00-0030	EA		1/2 HP, 12" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL612A) .....	2,141.09	26.09
11 42 13 00-0031	EA		3/4 HP, 13" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL713A) .....	2,361.09	26.09
11 42 13 00-0032	EA		1/2 HP, 13" Heavy-Duty Automatic Gravity Feed Meat Slicer (Hobart EDGE13A-11) .....	4,333.39	26.09
<b>11 42 13 00-0033</b>			<b>Peelers <sup>(11 42 13)</sup></b>		
11 42 13 00-0034	EA		22 Lb, 120 Voltage, Potato Peeler (Sammic PI-10) .....	2,728.98	135.88
11 42 13 00-0035	EA		44 Lb, 120 Voltage, Potato Peeler (Sammic PI-20) .....	3,153.30	158.46
11 42 13 00-0036	EA		66 Lb, 120 Voltage, Potato Peeler (Sammic PI-30) .....	4,878.86	181.20
11 42 13 00-0037	EA		20 Lb, 115 Voltage, Potato Peeler (Hobart 6115) .....	4,349.22	135.88
11 42 13 00-0038	EA		40 Lb, 115 Voltage, Potato Peeler (Hobart 6430-1) .....	8,798.55	158.46
11 42 13 00-0039	EA		60 Lb, 115 Voltage, Potato Peeler (Hobart 6460-1) .....	9,371.89	181.20
<b>11 42 13 00-0040</b>			<b>Proof Boxes <sup>(11 42 13)</sup></b>		
11 42 13 00-0041	EA		30-1/2" x 22-1/2", Stainless Steel Proof Box .....	2,068.07	65.54
11 42 13 00-0042	EA		30-1/2" x 45", Stainless Steel Proof Box .....	3,460.60	109.83
11 42 13 00-0043	EA		30-1/2" x 45", Galvanized Proof Box .....	2,807.20	49.86
<b>11 42 13 00-0044</b>			<b>Non-Insulated Heated Proof Cabinet <sup>(11 42 13)</sup></b>		
11 42 13 00-0045	EA		Angle Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet .....	1,626.70	62.80
11 42 13 00-0046	EA		Angle Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet .....	1,744.97	67.15
11 42 13 00-0047	EA		Channel Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet .....	1,615.65	62.30
11 42 13 00-0048	EA		Channel Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet .....	1,712.38	66.04
<b>11 42 13 00-0049</b>			<b>Insulated Heated Proof Cabinet <sup>(11 42 13)</sup></b>		
11 42 13 00-0050	EA		3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet .....	2,667.44	119.92
11 42 13 00-0051	EA		3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet .....	2,787.52	125.36
<b>11 42 13 00-0052</b>			<b>Pass-Thru Hot Food Holding Cabinet <sup>(11 42 13)</sup></b>		
11 42 13 00-0053	EA		Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet .....	5,233.47	175.60
11 42 13 00-0054	EA		Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet .....	5,565.70	175.60
11 42 13 00-0055	EA		Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet .....	7,098.77	183.96
11 42 13 00-0056	EA		Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet .....	7,777.43	183.96
<b>11 42 16 Food Preparation Surfaces <sup>(11 42)</sup></b>					
<b>11 42 16 00-0001</b>			<b>Tables <sup>(11 42 16)</sup></b>		
<b>11 42 16 00-0002</b>			<b>Baker's Table <sup>(11 42 16 00-0001)</sup></b>		
11 42 16 00-0003	EA		4' Open Base Baker's Table .....	841.48	53.46
11 42 16 00-0004	EA		10' Open Base Baker's Table .....	1,651.55	104.82
11 42 16 00-0005	EA		10' Undershelf Baker's Table .....	2,037.76	129.35
11 42 16 00-0006	EA		10' Three Drawers Baker's Table .....	2,185.58	138.89
11 42 16 00-0007	EA		10' Bins Baker's Table .....	3,215.59	204.40
11 42 16 00-0008	EA		10' Bins And Drawers Baker's Table .....	5,049.37	320.86
<b>11 42 16 00-0009</b>			<b>Preparation Table, Stainless Steel, With Undershelf <sup>(11 42 16 00-0001)</sup></b>		
11 42 16 00-0010	EA		30" x 72" Square Edge Stainless Steel Preparation Table With Undershelf .....	763.18	28.19
11 42 16 00-0011	EA		30" x 72" Marine Edge Stainless Steel Preparation Table With Undershelf .....	824.10	33.85
11 42 16 00-0012	EA		36" x 96" Marine Edge Stainless Steel Preparation Table With Undershelf .....	1,243.17	46.02
<b>11 42 16 00-0013</b>			<b>Preparation Table, Stainless Steel, With Open Front <sup>(11 42 16 00-0001)</sup></b>		
11 42 16 00-0014	EA		30" X 72" Round Edge Stainless Steel Preparation Table With Open Front .....	803.58	29.66
11 42 16 00-0015	EA		36" X 96" Round Edge Stainless Steel Preparation Table With Open Front .....	1,032.84	38.15
11 42 16 00-0016	EA		36" X 96" Square Edge Stainless Steel Preparation Table With Open Front .....	887.20	32.81
11 42 16 00-0017	EA		36" X 96" Marine Edge Stainless Steel Preparation Table With Open Front .....	1,067.90	39.52

<b>Equipment</b>	<b>11</b>
<b>Foodservice Equipment</b>	<b>11 40</b>
<b>Food Preparation Equipment</b>	<b>11 42</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 42 16 00-0018	EA		Roller Utility Drawers Stainless Steel Preparation Table With Open Front .....	215.73	7.96
<b>11 42 16 00-0019</b>			<b>Mobile Tables</b> <small>(11 42 16 00-0001)</small>		
11 42 16 00-0020	EA		21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top .....	2,693.05	25.26
11 42 16 00-0021	EA		32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top .....	1,456.38	30.29
11 42 16 00-0022	EA		32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top .....	919.61	34.06
<b>11 42 16 00-0023</b>			<b>Hot Food Tables, Stainless Steel, Gas Or Electric</b> <small>(11 42 16 00-0001)</small>		
11 42 16 00-0024	EA		32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables .....	1,642.39	60.80
11 42 16 00-0025	EA		32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables .....	1,332.16	49.27
11 42 16 00-0026	EA		Full Size Pan With Cover Stainless Steel Hot Food Tables .....	110.57	4.09
11 42 16 00-0027	EA		Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables .....	161.77	5.97
11 42 16 00-0028	EA		58-1/2", 4 Openings Stainless Steel Hot Food Tables .....	3,228.40	102.65
11 42 16 00-0029	EA		114-1/2", 8 Openings Stainless Steel Hot Food Tables .....	6,422.91	204.80
<b>11 42 16 00-0030</b>			<b>Basic Table</b> <small>(11 42 16 00-0001)</small>		
11 42 16 00-0031	LF		Table, Basic .....	278.16	20.96
<b>11 42 16 00-0032</b>			<b>Table With Sink</b> <small>(11 42 16)</small>		
11 42 16 00-0033	LF		Table With Sink .....	348.96	39.08
<b>11 42 23</b>			<b>Food Preparation Scullery Sinks</b> <small>(11 42)</small>		
<b>11 42 23 00-0001</b>			<b>Stainless Steel Scullery Sinks</b> <small>(11 42 23)</small>		
			Note: Excludes faucet. See CSI section 22 42 39 00-0071 for service sink faucets.		
11 42 23 00-0002	EA		Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drainboard .....	1,905.14	164.00
			<i>For Additional Drain Board, Add</i>	171.77	
11 42 23 00-0003	EA		Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drainboard .....	2,680.08	187.42
			<i>For Additional Drain Board, Add</i>	244.58	
11 42 23 00-0004	EA		Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drainboard .....	3,538.94	187.42
			<i>For Additional Drain Board, Add</i>	325.78	
11 42 23 00-0005	EA		Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drainboard .....	5,051.36	187.42
			<i>For Additional Drain Board, Add</i>	467.65	
11 42 23 00-0006	EA		Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drainboard .....	3,131.81	187.42
11 42 23 00-0007	EA		Stainless Steel Scullery Sink 33-1/2" W x 66" L, Triple Compartment .....	5,310.12	357.11
			Note: 6" backsplash with 45 degree return angle, rolled edges. Separated tubs to maintain water temperature.		
11 42 23 00-0008	EA		Stainless Steel Scullery Sink 33" W x 99" L, Triple Compartment .....	5,215.93	363.12
			Note: With left and right table drainboard extensions and 6" backsplash with 45 degree return angle, rolled edges. Separated tubs to maintain water temperature.		
11 42 23 00-0009	EA		Stainless Steel Scullery Sink 33-1/2" W x 82-1/2" L, Triple Compartment .....	4,998.02	363.12
			Note: With left or right table drainboard extensions and 6" backsplash with 45 degree return angle, rolled edges. Separated tubs to maintain water temperature.		
11 42 23 00-0010	EA		Stainless Steel Scullery Sink 23-1/2" W x 21" L, Single Compartment .....	2,638.89	199.22
			Note: 6" backsplash with 45 degree return angle, rolled edges.		
11 42 23 00-0011	EA		Stainless Steel Scullery Sink 23-1/2"W x 36-1/2"L, Single Compartment .....	2,838.34	199.22
			Note: With left or right 18" table drainboard extension and 6" backsplash with 45 degree return angle, rolled edges.		
11 42 23 00-0012	EA		Stainless Steel Scullery Sink 23-1/2"W x 42-1/2" L, Single Compartment .....	2,958.37	199.22
			Note: With left or right 24" table drainboard extension and 6" backsplash with 45 degree return angle, rolled edges.		
<b>11 44</b>			<b>Food Cooking Equipment</b> <small>(11 40)</small>		
<b>11 44 13</b>			<b>Commercial Ranges</b> <small>(11 44)</small>		
<b>11 44 13 00-0001</b>			<b>Range</b> <small>(11 44 13)</small>		
11 44 13 00-0002	EA		Heavy Duty Range, With 34" Open Top Oven .....	4,432.16	83.62
11 44 13 00-0003	EA		Range With Fry Top .....	4,432.16	83.62
11 44 13 00-0004	EA		Steel Finish Fry Top .....	9,647.95	123.28
11 44 13 00-0005	EA		Stainless Top Only Fry Top .....	9,645.68	121.87
11 44 13 00-0006	EA		Stainless Top And 2 Sides Fry Top .....	11,144.26	141.89
11 44 13 00-0007	EA		Gas Range, Vulcan #260L .....	10,016.36	126.42
			Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel plated oven racks.		
11 44 13 00-0008	EA		48" Range With Casters (Vulcan 48C-4B24GN) .....	10,443.80	75.40
<b>11 44 16</b>			<b>Commercial Ovens</b> <small>(11 44)</small>		
<b>11 44 16 00-0001</b>			<b>Bake Oven</b> <small>(11 44 16)</small>		
11 44 16 00-0002	EA		55", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836) .....	11,071.51	364.11
11 44 16 00-0003	EA		55", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836) .....	11,071.51	364.11
11 44 16 00-0004	EA		74", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736) .....	14,895.16	364.11
11 44 16 00-0005	EA		74", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736) .....	14,895.16	364.11
11 44 16 00-0006	EA		55", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836) .....	21,180.54	416.13
11 44 16 00-0007	EA		55", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836) .....	21,180.54	416.13
<b>11 44 16 00-0008</b>			<b>Rapid-Cook Countertop Bake Ovens</b> <small>(11 44 16)</small>		

## 11 Equipment

## 11 40 Foodservice Equipment

## 11 44 Food Cooking Equipment

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0009	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Control, Stainless Steel Countertop Oven (TurboChef ECS-9500-1).....	8,731.70	18.85
11 44 16 00-0010	EA		800 To 2,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Control, Stainless Steel Classic Countertop Oven (MerryChef E1SM).....	5,178.65	18.85
11 44 16 00-0011	EA		4,700 Watts, 208/240 Volt, 1.2 CF, Rapid Cook Type, Touchscreen Control, Stainless Steel Countertop Oven (MerryChef E3-1330-H).....	4,077.55	18.85
11 44 16 00-0012	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop High-Speed Oven (TurboChef ECO-9500-1).....	6,220.75	18.85
11 44 16 00-0013	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Black (TurboChef ECO-9500-5).....	6,474.69	18.85
11 44 16 00-0014	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Red (TurboChef ECO-9500-2).....	6,474.69	18.85
11 44 16 00-0015	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Blue (TurboChef ECO-9500).....	6,474.69	18.85
11 44 16 00-0016	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Green (TurboChef ECO-9500).....	6,474.69	18.85
11 44 16 00-0017	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven, White (TurboChef ECO-9500).....	6,474.69	18.85
11 44 16 00-0018	EA		1,600 To 1,700 Watts, 208/240 Volt, 1.05 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven (TurboChef NGC-1280-1).....	12,051.87	18.85
11 44 16 00-0019	EA		6,200 Watts, 208/240 Volt, 1.304 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E4S).....	11,173.10	18.85
11 44 16 00-0020	EA		4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Ventless Countertop Oven (Amana JET19V).....	5,964.71	18.85
11 44 16 00-0021	EA		3,200 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Countertop Oven (Amana JET14).....	4,874.14	18.85
11 44 16 00-0022	EA		4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven (Amana JET19).....	5,300.88	18.85
11 44 16 00-0023	EA		6,200 Watts, 208/240 Volt, 0.78 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef ENC-9600-601).....	12,684.09	18.85
11 44 16 00-0024	EA		5,700 Watts, 208/240 Volt, 1.38 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven With Teflon® Coating And Touch Screen Display (Amana MXP22TLT).....	11,322.72	18.85
11 44 16 00-0025	EA		1,000 To 2,200 Watts, 208/240 Volt, 0.58 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E2S STANDARD CLASSIC).....	7,917.19	18.85
11 44 16 00-0026	EA		9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5).....	15,941.04	18.85
11 44 16 00-0027	EA		9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5).....	15,941.04	18.85
11 44 16 00-0028	EA		9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5 Touch).....	16,531.11	18.85
11 44 16 00-0029	EA		11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5-9500-414-DL).....	16,531.11	18.85
11 44 16 00-0030	EA		1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX1).....	8,762.25	18.85
11 44 16 00-0031	EA		5,000 Watts, 208/240 Volt, 1.45 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef HHB-8603-1).....	8,731.70	18.85
11 44 16 00-0032	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef I1-9500-400).....	10,652.57	18.85
11 44 16 00-0033	EA		4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Countertop Oven (TurboChef I1-9500-104).....	9,278.56	18.85
11 44 16 00-0034	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen, Countertop Oven With Panini Press (TurboChef PANINI).....	10,368.08	18.85
11 44 16 00-0035	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven With Panini Press (TurboChef PANINI TOUCH).....	10,872.79	18.85
11 44 16 00-0036	EA		4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven With Touch Controls (TurboChef SOTA SNGL MAG TOUCH).....	9,626.28	18.85
11 44 16 00-0037	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER).....	11,704.16	18.85
11 44 16 00-0038	EA		6,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER TCH).....	12,225.73	18.85
11 44 16 00-0039	EA		2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX2).....	9,236.41	18.85
11 44 16 00-0040	EA		2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX1 BLACK).....	8,867.62	18.85
11 44 16 00-0041	EA		2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX1 RED).....	8,867.62	18.85
11 44 16 00-0042	EA		1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX2 BLACK).....	9,341.78	18.85
11 44 16 00-0043	EA		1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX2 RED).....	9,341.78	18.85
11 44 16 00-0044	EA		4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Powder Coated, Countertop Oven (TurboChef I1-9500-1).....	10,152.07	18.85
11 44 16 00-0045	EA		8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3).....	13,603.96	18.85
11 44 16 00-0046	EA		8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3).....	13,603.96	18.85
11 44 16 00-0047	EA		8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch).....	14,172.95	18.85
11 44 16 00-0048	EA		8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch).....	14,172.95	18.85
11 44 16 00-0049	EA		10,720/12,480 Watts, 208/240 Volt, 1.18 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Double Batch Ventless Countertop Oven (TurboChef HHD-9500-1).....	12,751.52	18.85
11 44 16 00-0050	EA		5,616 Watts, 208/240 Volt, 0.99 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Single Batch Ventless Countertop Oven (TurboChef HHS-9500-1).....	9,584.13	18.85

## 11 44 16 00-0051

## Combination Ovens (11 44 16)

Note: Convection, steam and combination modes.

11 44 16 00-0052	EA		35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven.....	16,835.59	146.33
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<b>Equipment</b>	<b>11</b>
<b>Foodservice Equipment</b>	<b>11 40</b>
<b>Food Cooking Equipment</b>	<b>11 44</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 44 16 00-0053	EA		35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven.....	27,602.04	167.24
11 44 16 00-0054	EA		35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven.....	22,809.30	167.24
11 44 16 00-0055	EA		35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven.....	55,001.64	209.05
11 44 16 00-0056	EA		35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven.....	41,768.48	209.05

**11 44 16 00-0057**     **Countertop Electric Convection Type Ovens** (11 44 16)

11 44 16 00-0058	EA		1,440 Watts, 120 Volt, 0.8 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Quarter Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-14).....	293.84	9.43
11 44 16 00-0059	EA		1,600 Watts, 120 Volt, 1.5 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-16).....	480.72	9.43
11 44 16 00-0060	EA		2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Half Size, Stainless Steel Countertop Electric Convection Oven (Avantco CO-28).....	567.75	9.43
11 44 16 00-0061	EA		2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 550 Degrees Fahrenheit Temperature Range, 2.3 CF, One Glass Door, Half Size, Stainless Steel Countertop Electric Convection Oven With Steam Injection (Avantco CO-32).....	732.75	9.43
11 44 16 00-0062	EA		3,500 To 4,600 Watts, 208-240 Volt, 4.4 CF, 550 Degrees Fahrenheit, Two Glass Doors, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Avantco CO-38).....	1,337.75	9.43
11 44 16 00-0063	EA		3,500 To 4,600 Watts, 208 To 240 Volt, 4.4 CF, 150 To 550 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Full Size, Stainless Steel Countertop Electric Cooky Type Convection Oven With Steam Injection (Avantco CO-46).....	1,557.75	9.43
11 44 16 00-0064	EA		1,440 Watts, 120 Volt, 0.8 CF, 500 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Quarter Size, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3Q).....	260.84	9.43
11 44 16 00-0065	EA		1,600 Watts, 120 Volt, 1.5 CF, 500 Degrees Fahrenheit, One Glass Door, Half Size, Dial Control, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3H).....	436.84	9.43
11 44 16 00-0066	EA		1,700 Watts, 120 Volt, 27-15/16" Length x 23-5/8" Width x 24" Height, 200 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Stainless Steel 4 Pan Electric Countertop Convection Oven (Global Solutions GS1110-17).....	1,259.71	9.43
11 44 16 00-0067	EA		1,400 Watts, 120 Volt, 1.19 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40703).....	1,145.41	9.43
11 44 16 00-0068	EA		2,400 Watts, 230 Volt, 1.9 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40701).....	1,559.73	9.43
11 44 16 00-0069	EA		5,600 Watts, 230 Volt, 4.27 CF, 150 - 570 Degrees Fahrenheit Temperature Range, 1 Glass Door, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Vollrath 40702).....	2,533.56	9.43

**11 44 16 00-0070**     **Electric Convection Type Ovens** (11 44 16)

11 44 16 00-0071	EA		11 kW, 240 Volt, Two Glass Doors, 41-1/2" x 38-1/8" x 54-1/8", Single Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC-100).....	2,660.69	37.71
11 44 16 00-0072	EA		22 kW, 240 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200DK).....	5,277.55	75.40
11 44 16 00-0073	EA		22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200CK).....	5,277.55	75.40
11 44 16 00-0074	EA		22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200EK).....	5,126.73	
11 44 16 00-0075	EA		22 kW, 208 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200BK).....	5,277.55	75.40
11 44 16 00-0076	EA		24 kW, 208 Volt, 3 Phase, Four Glass Doors, 40" x 40-1/8" x 68-13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/3).....	8,686.00	75.40
11 44 16 00-0077	EA		12 kW, 208 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/3).....	4,342.99	37.71
11 44 16 00-0078	EA		12 kW, 240 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/1).....	4,342.99	37.71
11 44 16 00-0079	EA		12.5 kW, 208 Volt, 3 Phase, Two Glass Doors, 41-1/8" x 40-1/4" x 54-3/4", Single Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC4ED-11D1 208/3).....	4,764.69	37.71
11 44 16 00-0080	EA		12 kW, 208 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/1).....	4,342.99	37.71
11 44 16 00-0081	EA		12 kW, 240 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 24", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/3).....	4,342.99	37.71
11 44 16 00-0082	EA		25 kW, 208 Volt, 3 Phase, Four Glass Doors, 41-1/8" x 40" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC44ED-208/3).....	9,529.40	75.40
11 44 16 00-0083	EA		11 kW, 220/240 Volt, 1 Phase, Two Glass Doors, 36-7/8" x 38-1/4" x 57", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Blodgett SHO-100-E).....	4,056.24	37.71
11 44 16 00-0084	EA		22 kW, 208 Volt, 3 Phase, Four Glass Doors, 36-7/8" x 38-1/4" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Blodgett SHO-100-E).....	8,112.49	75.40
11 44 16 00-0085	EA		24 kW, 208 Volt, 1 Phase, Four Glass Doors, 40" x 40-1/8" x 68 13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/1).....	8,686.00	75.40
11 44 16 00-0086	EA		21 kW, 208 Volt, 1 Phase, Four Glass Doors, 46" x 40" x 74-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Bakers Pride BPCV-E2 208/1).....	10,978.75	75.40

**11 44 16 00-0087**     **Natural Gas Convection Type Ovens** (11 44 16)

11 44 16 00-0088	EA		54,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC100N).....	2,798.27	37.71
11 44 16 00-0089	EA		108,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC200N).....	5,399.54	
11 44 16 00-0090	EA		100,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Solid State Controls (Vulcan VC44GD-NAT).....	9,542.87	75.40
11 44 16 00-0091	EA		100,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Vulcan VC55GD).....	9,140.19	75.40
11 44 16 00-0092	EA		100,000 BTU, 500 Degrees Fahrenheit, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G).....	8,536.16	75.40
11 44 16 00-0093	EA		50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven with Solid State Controls And Legs (Vulcan VC4GD-11D150K).....	4,771.43	37.71
11 44 16 00-0094	EA		120,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G).....	4,696.03	

**11 Equipment****11 40 Foodservice Equipment****11 44 Food Cooking Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0095	EA		120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Analog Controls (Garland MCO-GS-20S).....	13,319.83	75.40
11 44 16 00-0096	EA		50,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G).....	4,268.07	37.71
11 44 16 00-0097	EA		100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G-ES).....	11,686.58	75.40
11 44 16 00-0098	EA		120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Digital Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Digital Controls (Garland MCO-GS-20).....	17,347.87	75.40
11 44 16 00-0099	EA		120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Garland MCO-GS-20-ESS).....	13,169.01	
11 44 16 00-0100	EA		100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Standard Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-100-G).....	10,916.74	75.40
11 44 16 00-0101	EA		90,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett BDO-100-G-ES).....	9,720.53	75.40
11 44 16 00-0102	EA		50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Vulcan VC5GDN).....	4,570.08	37.71
11 44 16 00-0103			<b>Broiler, Without Oven</b> <sup>(11 44 16)</sup>		
11 44 16 00-0104	EA		69" x 26" x 39" Broiler Without Oven.....	12,519.67	133.79
11 44 16 00-0105	EA		Conveyor Broiler.....	11,053.64	155.28
11 44 16 00-0106			<b>Oven Stands</b> <sup>(11 44 16)</sup>		
11 44 16 00-0107	EA		Stationary Oven Stand (Rational 60.30.334 US III UltraVent® Stationary Oven Stand).....	1,336.36	
11 44 16 00-0108			<b>Triple Conveyor Oven</b> <sup>(11 44 16)</sup>		
11 44 16 00-0109	EA		30 kW, 208 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3).....	36,945.56	150.82
			Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range		
11 44 16 00-0110	EA		30 kW, 240 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3).....	36,945.56	150.82
			Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range		
11 44 16 00-0111	EA		22 kW, 208 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	71,861.27	150.82
			Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0112	EA		22 kW, 220 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	68,245.73	150.82
			Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0113	EA		22 kW, 240 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	68,245.73	150.82
			Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0114	EA		330,000 BTU, Natural Gas, Three Door, Triple Conveyor, Low Profile FastBake Stainless Steel, Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	71,861.27	150.82
			Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0115	EA		330,000 BTU, Liquid Propane, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	71,861.27	150.82
			Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0116			<b>Rotary Deck Pizza Oven</b> <sup>(11 44 16)</sup>		
11 44 16 00-0117	EA		90,000 BTU, 2 Deck, 38.6" Diameter Rotary Deck Pizza Oven (Sierra Range Volare).....	24,241.09	75.40
11 44 19			<b>Commercial Cooking Equipment</b> <sup>(11 44)</sup>		
11 44 19 00-0001			<b>Drop-In Electric Griddle</b> <sup>(11 44 19)</sup>		
11 44 19 00-0002	EA		24" Wide x 24" Deep, Drop-In Electric Griddle.....	2,977.56	114.98
11 44 19 00-0003	EA		36" Wide x 24" Deep, Drop-In Electric Griddle.....	4,222.42	114.98
11 44 19 00-0004	EA		48" Wide x 24" Deep, Drop-In Electric Griddle.....	4,831.18	125.43
11 44 19 00-0005	EA		60" Wide x 24" Deep, Drop-In Electric Griddle.....	5,774.71	125.43
11 44 19 00-0006	EA		72" Wide x 24" Deep, Drop-In Electric Griddle.....	7,395.18	135.88
11 44 19 00-0007			<b>Countertop Griddle</b> <sup>(11 44 19)</sup>		
11 44 19 00-0008	EA		16", 120 Voltage, 1750 Watt, Electric Countertop Griddle (Avantco EG16N).....	538.85	132.43
11 44 19 00-0009	EA		24", 208/240 Voltage, 2675 To 3560 Watt, Electric Countertop Griddle (Avantco EG24N).....	681.86	132.43
11 44 19 00-0010	EA		30", 208/240 Voltage, 3375 To 4500 Watt, Electric Countertop Griddle (Avantco EG30N).....	765.28	132.43
11 44 19 00-0011	EA		36", 208/240 Voltage, 7488 To 10080 Watt, Electric Countertop Griddle (Avantco EG36N).....	978.61	132.43
11 44 19 00-0012	EA		24", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40716).....	1,067.40	132.43
11 44 19 00-0013	EA		36", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40717).....	1,385.95	132.43
11 44 19 00-0014			<b>Panini Sandwich Grill</b> <sup>(11 44 19)</sup>		
11 44 19 00-0015	EA		3,500 Watts, 120 Volt, Double Commercial Panini Sandwich Grill With Smooth Plates (Avantco P85S).....	422.83	75.40
11 44 19 00-0016	EA		1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Plates (Avantco P78).....	333.64	75.40
11 44 19 00-0017	EA		1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Smooth Plates (Avantco P70S).....	333.64	75.40
11 44 19 00-0018	EA		1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Top and Smooth Bottom Plates (Avantco P75SG).....	333.64	75.40
11 44 19 00-0019	EA		2,392 Watts, 208 Volt, Panini Perfetto Grooved Top And Bottom Panini Sandwich Grill (Waring WPG150B).....	640.32	75.40

<b>Equipment</b>	<b>11</b>
<b>Foodservice Equipment</b>	<b>11 40</b>
<b>Food Cooking Equipment</b>	<b>11 44</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 44 19 00-0020			<b>Electric Countertop Fryer, With Submerger</b> <small>(11 44 19)</small>		
11 44 19 00-0021	EA		30 LB Capacity, 208-240 Volt, Two Basket, Countertop Deep Fryer (Avantco F202).....	627.11	75.40
11 44 19 00-0022	EA		30 LB Capacity, 208-240 Volt, Four Basket, Commercial Countertop Deep Fryer (Vollrath 40710).....	1,325.78	75.40
11 44 19 00-0023	EA		30 LB Capacity, 240 Volt, Two Basket, Countertop Electric Deep Fryer (Gariand E24-31F).....	4,817.02	75.40
11 44 19 00-0024			<b>Electric Floor Fryer, With Submerger</b> <small>(11 44 19)</small>		
11 44 19 00-0025	EA		50 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	4,696.47	167.24
11 44 19 00-0026	EA		50 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	4,927.65	167.24
11 44 19 00-0027	EA		85 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	15,662.73	217.41
11 44 19 00-0028	EA		85 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	16,042.11	217.41
11 44 19 00-0029			<b>Kettles, Steam Jacketed</b> <small>(11 44 19)</small>		
11 44 19 00-0030	EA		5 Gallon Kettle, With Stand.....	6,972.68	75.85
11 44 19 00-0031	EA		20 Gallon Kettle With Steam Jacket.....	11,447.89	101.13
11 44 19 00-0032	EA		40 Gallon Kettle With Steam Jacket.....	11,835.58	111.24
11 44 19 00-0033	EA		60 Gallon Kettle With Steam Jacket.....	14,326.67	121.36
11 44 19 00-0034			<b>Steamers, Electric</b> <small>(11 44 19)</small>		
11 44 19 00-0035			<b>Cooking Equipment/ Steamers</b> <small>(11 44 19 00-0034)</small>		
11 44 19 00-0036	EA		3 Pan, Electric Countertop Convection Steamer.....	6,435.26	175.60
11 44 19 00-0037	EA		5 Pan, Electric Countertop Convection Steamer.....	8,465.51	183.96
11 44 19 00-0038	EA		3 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	5,957.06	175.60
11 44 19 00-0039	EA		5 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	8,671.99	183.96
11 44 19 00-0040			<b>Braising Pans</b> <small>(11 44 19)</small>		
11 44 19 00-0041	EA		24" x 24", 240 Volt, Tilting Braising Pan.....	14,921.67	176.28
11 44 19 00-0042	EA		24" x 31", 240 Volt, Tilting Braising Pan.....	15,747.42	185.38
11 44 19 00-0043	EA		24" x 41", 240 Volt, Tilting Braising Pan.....	16,772.17	197.41
11 44 19 00-0044	EA		24" x 24", 62,000 BTU/Hour, Tilting Braising Pan.....	19,452.16	229.87
11 44 19 00-0045	EA		24" x 31", 90,000 BTU/Hour, Tilting Braising Pan.....	20,115.89	236.96
11 44 19 00-0046	EA		24" x 41", 120,000 BTU/Hour, Tilting Braising Pan.....	20,902.13	243.23
11 44 19 00-0047			<b>Toasters</b> <small>(11 44 19)</small>		
11 44 19 00-0048	EA		Bun Toaster 3.2 KW.....	2,958.23	40.88
11 44 19 00-0049	EA		Bun Toaster 4.3 KW.....	3,228.65	44.55
11 44 19 00-0050	EA		Pop-Up Toaster, 2 Slot.....	457.46	90.56
11 44 19 00-0051	EA		Conveyor Toaster.....	783.14	135.88
11 44 19 00-0052			<b>Microwave Ovens</b> <small>(11 44 19)</small>		
11 44 19 00-0053	EA		120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Dial Controls (Galaxy MW1000PD).....	169.85	9.43
11 44 19 00-0054	EA		120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Push Button Controls (Galaxy MW1000PB).....	186.63	9.43
11 44 19 00-0055	EA		120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Stainless Steel Commercial Microwave With Push Button Controls (Solwave MW1000SS).....	242.56	9.43
11 44 19 00-0056	EA		120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13-1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112D).....	309.67	9.43
11 44 19 00-0057	EA		120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13 1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112T).....	387.97	9.43
11 44 19 00-0058	EA		120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwave With Dial Controls (Solwave RMS10DS).....	242.56	9.43
11 44 19 00-0059	EA		120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwaves With Push Button Controls (Amana RMS10TS).....	283.39	9.43
11 44 19 00-0060	EA		120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-3/4" Height, Medium Volume, Stainless Steel Commercial Microwave (Amana RCS10DSE).....	502.08	9.43
11 44 19 00-0061	EA		120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-7/8" Height, Stackable, Commercial Microwave With Push Button Controls (Amana RCS10TS).....	612.82	9.43
11 44 19 00-0062	EA		120 Volt, 1,000 Watt, 21-5/8" Length x 16-1/2" Width x 13-1/2" Height, Stainless Steel, Heavy Duty Commercial Microwave With Push Button Controls (Amana HDC12A2).....	1,287.33	9.43
11 44 19 00-0063	EA		120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Manual Controls (Vollrath 40830).....	354.20	9.43
11 44 19 00-0064	EA		120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Digital Controls (Vollrath 40819).....	483.12	9.43
11 44 19 00-0065	EA		120 Volt, 1,000 Watt, 17" Length x 20" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Waring WMO90).....	371.21	9.43
11 44 19 00-0066	EA		120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Panasonic NE-1054F).....	326.46	9.43
11 44 19 00-0067	EA		120 Volt, 1,000 Watt, 16-3/8" Length x 20-1/8" Width x 12" Height, Stainless Steel Microwave With Programmable Memory Pads (Panasonic NE-1064F).....	632.96	9.43
11 44 19 00-0068	EA		120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel Commercial Microwave With Dial Timer (Panasonic NE-1025).....	292.90	9.43
11 44 19 00-0069	EA		120 Volt, 1,200 Watt, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Stainless Steel Commercial Microwave With Programmable Menu And Auto Cool Down (Solwave MW1200T).....	610.58	9.43
11 44 19 00-0070	EA		120 Volt, 1,200 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, See-through Door, USB Port, Commercial Heavy Duty Stainless Steel Microwave (Solwave MWH12).....	677.70	9.43
11 44 19 00-0071	EA		120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 15 Integrated Power Levels, See-through Door, Stainless Steel, Commercial, Medium Duty, Microwave With 90 Programmable Menu Pads (Panasonic NE-12523).....	1,137.44	9.43

**11 Equipment****11 40 Foodservice Equipment****11 44 Food Cooking Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
11 44 19 00-0072	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, Programmable, 15 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Panasonic NE-12521).....	1,055.78		9.43
11 44 19 00-0073	EA	120 Volt, 2,000 Watt, 21" Length x 21-3/4" Width x 14-3/8" Height, 4 Cooking Stages, 5 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Amana RFS12TS).....	1,242.59		9.43
11 44 19 00-0074	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 3-Stage Cooking, See-through Door, Stainless Steel, Commercial Microwave With LCD Display (Panasonic NE-17521).....	1,164.29		9.43
11 44 19 00-0075	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13" Height, LCD Display With Digital Countdown, Stainless Steel, Commercial Microwave With 90 Programmable Memory Pads (Panasonic NE-17523).....	1,307.47		9.43
11 44 19 00-0076	EA	208/230-240 Volt, 2,100 Watt, 20-3/4" Length x 25-9/16" Width x 18-9/16" Height, Sonic Steamer, Stainless Steel, Commercial Microwave With 8 Programmable Memory Pads (Panasonic NE-2180).....	3,527.31		9.43
11 44 19 00-0077	EA	208/230-240 Volt, 3,200 Watt, 20-3/4" Length x 25-9/16" Width x 18-5/8" Height, Sonic Steamer, See-through Door, Stainless Steel, Commercial Microwave With 3-stage Cook (Panasonic NE-3280).....	4,674.98		9.43
11 44 19 00-0078	EA	208/230 Volt, 1,800 Watt, 20-1/4" Length x 21-3/4" Width x 14-1/4" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Amana RFS18TS).....	1,458.48		9.43
11 44 19 00-0079	EA	208/230 Volt, 2,200 Watt, 23-1/2" Length x 25-5/8" Height, Stainless Steel, Heavy Duty, 2 Pan Programmable Microwave (Amana AMSO22).....	4,549.14		9.43
11 44 19 00-0080	EA	208/230 Volt, 2,400 Watt, 19-3/16" Length x 13-5/8" Width x 17-5/8" Height, 11 Power Levels, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana AOC24).....	2,807.49		9.43
11 44 19 00-0081	EA	208/240 Volt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, Space Saver, USB Port, Stainless Steel, Commercial, Heavy Duty Microwave (Solwave MWH18).....	756.00		9.43
11 44 19 00-0082	EA	208/240 Volt, 2,100 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Stackable, Commercial Microwave With Push Button Controls (Solwave MW2100T).....	800.74		9.43
11 44 19 00-0083	EA	208/240 Volt, 2,100 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 15 Power Levels, USB Port, Space Saver, Stainless Steel, Heavy Duty, Commercial Microwave With Push Button Controls (Solwave MWH21).....	856.67		9.43
11 44 19 00-0084	EA	208/240 Volt, 1,700 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, See-through Door, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC17S2).....	2,062.51		9.43
11 44 19 00-0085	EA	208/240 Volt, 1,800 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Commercial Microwave With Push Button Controls (Solwave MW1800T).....	688.89		9.43
11 44 19 00-0086	EA	208/240 Volt, 1,800 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana HDC182).....	1,508.81		9.43
11 44 19 00-0087	EA	208/240 Volt, 1,800 Watt, 31-5/8" Length x 16-1/2" Width x 13-1/3" Height, Stainless Steel Commercial, Heavy Duty Microwave With Push Button Controls, Canadian Use Only (Amana HDC1815).....	1,518.88		9.43
11 44 19 00-0088	EA	208/240 Volt, 1,800 Watt, 20-3/4" Length x 22-3/5" Width x 14-1/2" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Waring WMO120).....	1,417.09		9.43
11 44 19 00-0089	EA	208/240 Volt, 2,100 Watt, 21-5/8" Length x 15-1/2" Height, 100 Programmable Menu Items, 11 Integrated Power Levels, Stainless Steel, Commercial, Heavy Duty Microwave (Amana HDC212).....	1,579.28		9.43
11 44 19 00-0090	EA	208/240 Volt, 2,100 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 5 Cooking Stages, Half-size Pans, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Panasonic NE-21521).....	1,428.27		9.43
11 44 19 00-0091	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC22S2).....	2,575.95		9.43
11 44 19 00-0092	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC30S2).....	3,381.33		9.43
11 44 19 00-0093		<b>Ceramic Broiler On Storage Base With Doors</b> <small>(11 44 19)</small>			
11 44 19 00-0094	EA	Standard Finish Ceramic Boiler On Storage Base With Doors.....	12,295.64		144.52
11 44 19 00-0095	EA	Stainless Steel Front Ceramic Boiler On Storage Base With Doors.....	12,295.64		144.52
11 44 19 00-0096	EA	Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors.....	15,280.93		180.42
11 44 19 00-0097		<b>Gas Countertop Hot Plate</b> <small>(11 44 19)</small>			
11 44 19 00-0098	EA	2 Burners Gas Countertop Hot Plate.....	1,567.54		18.40
11 46		<b>Food Dispensing Equipment</b> <small>(11 46)</small>			
11 46 13		<b>Bar Equipment</b> <small>(11 46)</small>			
11 46 13 00-0001		<b>Soft Serve Machines</b> <small>(11 46 13)</small>			
11 46 13 00-0002	EA	Soft Serve Machines, Medium.....	9,579.21		98.84
11 46 13 00-0003	EA	Soft Serve Machines, Large.....	16,150.95		120.75
11 46 13 00-0004		<b>Salad Bars</b> <small>(11 46 13)</small>			
11 46 13 00-0005	EA	96" Refrigerated Salad Bar With Light 54" Height.....	10,312.05		391.89
11 46 13 00-0006	EA	96" Refrigerated Salad Bar Without Light 54" Height.....	9,461.26		391.89
11 46 13 00-0007	EA	96" Iced Salad Bar Without Light 54" Height.....	6,648.08		215.31
11 46 13 00-0008	EA	79" Iced Salad Bar Without Light 54" Height.....	5,258.25		176.88
11 46 13 00-0009	EA	79" Refrigerated Salad Bar Without Light 54" Height.....	7,987.28		259.51
11 46 13 00-0010	EA	114" Iced Salad Bar 34" Height.....	8,793.57		229.87
11 46 13 00-0011	EA	Salad Bar Tray Fixed.....	1,212.52		38.93
11 46 13 00-0012	EA	Salad Bar Tray Hinged.....	1,289.65		38.93
11 46 16		<b>Service Line Equipment</b> <small>(11 46)</small>			
11 46 16 00-0001		<b>Food Warmer Holding Station</b> <small>(11 46 16)</small>			
11 46 16 00-0002	EA	Food Warmer Station And Heat Lamp.....	1,093.06		15.09
11 46 16 00-0003		<b>Reach-In Food Warmers</b> <small>(11 46 16)</small>			
11 46 16 00-0004	EA	One Drawer, 16 Roll Capacity Food Warmer.....	2,352.11		32.49
11 46 16 00-0005	EA	Three Drawer, 36 Roll Capacity Food Warmer.....	5,382.62		74.42
11 46 16 00-0006		<b>Countertop Food Warmer</b> <small>(11 46 16)</small>			



<b>Equipment</b>	<b>11</b>
<b>Foodservice Equipment</b>	<b>11 40</b>
<b>Food Dispensing Equipment</b>	<b>11 46</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0007	EA		12" x 20", 1500 Watt, 120 Voltage, Full Size Electric Countertop Food Cooker / Warmer (Avantco W50CKR).....	137.03	26.09
11 46 16 00-0008	EA		12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer (Avantco W50).....	121.50	26.09
11 46 16 00-0009	EA		12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Topping Station With 1 Condiment Pump And (1) 7 Quart Inset With Lid And Ladle (Avantco WK12007PL) .....	349.19	26.09
11 46 16 00-0010	EA		12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Soup Station With 3 Insets, 3 Covers, And 3 (3 Ounce) Ladles (Avantco WK12004X3) .....	244.63	26.09
<b>11 46 16 00-0011</b>			<b>Hot Cabinets With Top Wells Electric <small>(11 46 16)</small></b>		
11 46 16 00-0012	EA		2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric .....	12,577.72	144.52
11 46 16 00-0013	EA		3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric .....	17,969.29	207.12
<b>11 46 16 00-0014</b>			<b>Portable Hot Food Units <small>(11 46 16)</small></b>		
11 46 16 00-0015	EA		46" Wide x 28" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 37030).....	4,342.55	
11 46 16 00-0016	EA		60" Wide x 28" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 37040).....	4,973.61	
11 46 16 00-0017	EA		74" Wide x 28" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 37050) .....	5,622.06	
<b>11 46 16 00-0018</b>			<b>Stationary Hot Food Units <small>(11 46 16)</small></b>		
11 46 16 00-0019	EA		46" Wide x 29-1/2" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 38203).....	1,316.27	29.43
11 46 16 00-0020	EA		61-1/4" Wide x 29-1/2" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 38204).....	1,765.90	33.88
11 46 16 00-0021	EA		76" Wide x 29-1/2" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 38205) .....	2,198.63	43.39
<b>11 46 16 00-0022</b>			<b>Serving Counters <small>(11 46 16)</small></b>		
11 46 16 00-0023	LF		11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section .....	103.93	34.11
11 46 16 00-0024	LF		11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section .....	132.03	52.26
<b>11 46 16 00-0025</b>			<b>Drop-In Equipment <small>(11 46 16)</small></b>		
11 46 16 00-0026	EA		Hot Food Well, Rectangular .....	437.06	108.70
11 46 16 00-0027	EA		Hot Food Well, Circular .....	402.74	108.70
11 46 16 00-0028	EA		Refrigerated Well, 2 Compartment.....	1,418.24	108.70
11 46 16 00-0029	EA		Refrigerated Well, 3 Compartment.....	1,610.52	120.75
11 46 16 00-0030	EA		Refrigerated Well, 4 Compartment.....	1,829.41	135.88
11 46 16 00-0031	EA		Frost Cold Plate .....	1,631.56	120.75
<b>11 46 16 00-0032</b>			<b>Beverage Dispensing <small>(11 46 16)</small></b>		
11 46 16 00-0033	EA		Coffee Urn, Twin 3 Gallon .....	2,671.46	181.72
11 46 16 00-0034	EA		Coffee Urn, Twin 6 Gallon.....	3,803.54	254.37
11 46 16 00-0035	EA		Coffee Brewer, 5 Burner .....	1,135.61	181.72
11 46 16 00-0036	EA		Hot Chocolate Dispenser .....	1,097.22	149.68
11 46 16 00-0037	EA		Iced Tea Brewer.....	1,586.29	149.68
11 46 16 00-0038	EA		Juice Dispenser (Concentrate).....	1,169.11	241.33
11 46 16 00-0039	EA		Jet Spray Dispenser.....	1,641.46	241.58
11 46 16 00-0040	EA		Milk Dispenser, Bulk, 2 Flavor.....	1,366.59	135.88
11 46 16 00-0041	EA		Milk Dispenser, Bulk, 3 Flavor.....	1,855.66	135.88
<b>11 46 16 00-0042</b>			<b>Dish Dispensers <small>(11 46 16)</small></b>		
11 46 16 00-0043	EA		Heated Plate Lift; Adjustable Plate Storage And Transport (Adcraft ADC-LR-2) .....	1,254.07	26.09
11 46 16 00-0044	EA		12" Diameter, Drop-in, Dish Dispenser .....	544.65	26.92
11 46 16 00-0045	EA		Drop-in, Cup And Glass Dispenser .....	936.18	83.69
11 46 16 00-0046	EA		Drop-in, Disposable Cup Dispenser .....	338.01	18.85
<b>11 46 16 00-0047</b>			<b>Tray And Silver Dispensers <small>(11 46 16)</small></b>		
11 46 16 00-0048	EA		Tray And Silver Dispensers Mobile .....	2,107.24	18.85
<b>11 46 16 00-0049</b>			<b>Condiment Dispensers <small>(11 46 16)</small></b>		
11 46 16 00-0050	EA		Butter Pat Dispenser .....	127.77	23.59
11 46 16 00-0051	EA		Bread Dispenser, Counter Top .....	352.57	23.59
<b>11 46 16 00-0052</b>			<b>Sandwich Rack Warmer <small>(11 46 16)</small></b>		
11 46 16 00-0053	EA		18 Compartment, 2 Tier Sandwich Rack Warmer.....	2,682.76	120.44
<b>11 46 16 00-0054</b>			<b>Mobile Bread Counter <small>(11 46 16)</small></b>		
11 46 16 00-0055	EA		Mobile Bread And Roll Counter.....	6,155.72	270.76
<b>11 46 16 00-0056</b>			<b>Open Service Stand <small>(11 46 16)</small></b>		
11 46 16 00-0057	EA		6' Open Service Stand .....	2,360.01	90.51
11 46 16 00-0058	LF		Each Additional Foot Over 6 Foot Add.....	322.84	12.24
<b>11 46 16 00-0059</b>			<b>Mobile Serving Stand Unit <small>(11 46 16)</small></b>		

**11 Equipment****11 40 Foodservice Equipment****11 46 Food Dispensing Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
11 46 16 00-0060	EA	36" Mobile Serving Stand Unit .....		2,063.20	86.57
11 46 16 00-0061	EA	96" Mobile Serving Stand Unit .....		3,387.89	129.76
<b>11 46 16 00-0062</b>		<b>Reach-In Heated Cabinets</b> <sup>(11 46 16)</sup>			
11 46 16 00-0063	EA	Heated Cabinet, Reach-in, 1 Compartment .....		4,139.81	139.39
11 46 16 00-0064	EA	Heated Cabinet, Reach-in, 2 Compartment .....		5,962.10	175.35
11 46 16 00-0065	EA	Heated Cabinet, 1 Compartment, Pass-Through Roll-In .....		4,332.87	139.39
11 46 16 00-0066	EA	Heated Cabinet, Pass-Through, Roll-In 2 Compartment .....		6,242.67	175.35
<b>11 46 16 00-0067</b>		<b>Sneeze Guard</b> <sup>(11 46 16)</sup>			
11 46 16 00-0068	LF	2 Panel Sneeze Guard With Attachments .....		256.42	52.43
<b>11 46 16 00-0069</b>		<b>Mobile Heated Cabinets</b> <sup>(11 46 16)</sup>			
11 46 16 00-0070	EA	Mobile, Heated Cabinet .....		4,641.75	47.12
<b>11 46 16 00-0071</b>		<b>Smoothie Machine</b> <sup>(11 46 16)</sup>			
11 46 16 00-0072	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And Two 64 Ounce Polycarbonate Containers (Avamix BX2000T2J) .....		390.13	26.09
11 46 16 00-0073	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And One 64 Ounce Polycarbonate Container (Avamix BX2000T) .....		341.32	26.09
11 46 16 00-0074	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2000V2J) .....		415.16	26.09
11 46 16 00-0075	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Touchpad Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2100E2J) .....		427.68	26.09
11 46 16 00-0076	EA	Smoothie Machines 2 HP Commercial Blender With Toggle Control And 64 Ounce Polycarbonate Container (Avamix BL2T64) .....		223.36	26.09
<b>11 46 16 00-0077</b>		<b>Refrigerated Buffet Display Table</b> <sup>(11 46 16)</sup>			
11 46 16 00-0078	EA	35" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-36-N) .....		2,174.43	26.09
11 46 16 00-0079	EA	47" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-48-N) .....		2,875.37	26.09
11 46 16 00-0080	EA	59" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-60-N) .....		3,319.41	26.09
11 46 16 00-0081	EA	71" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-72-N) .....		3,884.66	26.09
<b>11 46 16 00-0082</b>		<b>Refrigerated Bakery Display Case</b> <sup>(11 46 16)</sup>			
11 46 16 00-0083	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC36HCW) .....		2,896.36	18.85
11 46 16 00-0084	EA	26-1/2" Length x 47-7/8" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC48HCB) .....		3,325.35	18.85
11 46 16 00-0085	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC48HCW) .....		3,330.70	21.57
11 46 16 00-0086	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC60HCB) .....		3,616.69	21.57
11 46 16 00-0087	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC60HCW) .....		3,616.69	21.57
11 46 16 00-0088	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC72HCB) .....		4,643.68	21.57
11 46 16 00-0089	EA	26-1/2" Length x 72-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Bakery Display Case, White (Avantco 193BC72HCW) .....		4,643.68	21.57
11 46 16 00-0090	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3646NW) .....		5,848.84	25.11
11 46 16 00-0091	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP3646FN) .....		7,443.86	25.11
11 46 16 00-0092	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, Two Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3646NN) .....		5,848.84	25.11
11 46 16 00-0093	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3646FW) .....		7,443.86	25.11
11 46 16 00-0094	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3654NW) .....		6,197.49	25.11
11 46 16 00-0095	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654F) .....		6,197.49	25.11
11 46 16 00-0096	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3654NN) .....		6,197.49	25.11
11 46 16 00-0097	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4846NN) .....		6,588.92	25.11
11 46 16 00-0098	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4846FW) .....		8,387.54	25.11
11 46 16 00-0099	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4846NW) .....		6,588.92	25.11
11 46 16 00-0100	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4846FD) .....		7,897.01	25.11
11 46 16 00-0101	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4846FN) .....		8,387.54	25.11

		<b>Equipment</b>	<b>11</b>
		<b>Foodservice Equipment</b>	<b>11 40</b>
		<b>Food Dispensing Equipment</b>	<b>11 46</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0102	EA		27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4854FW).....	8,887.09	25.11
11 46 16 00-0103	EA		27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4854NW).....	6,981.26	25.11
11 46 16 00-0104	EA		27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4854FD).....	8,367.28	25.11
11 46 16 00-0105	EA		27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4854FN).....	8,887.09	25.11
11 46 16 00-0106	EA		27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4854NN).....	6,981.26	25.11
11 46 16 00-0107	EA		27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6046FW).....	9,196.53	25.11
11 46 16 00-0108	EA		27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP6046FD).....	8,658.71	25.11
11 46 16 00-0109	EA		27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP6046FN).....	9,196.53	25.11
11 46 16 00-0110	EA		27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6046NN).....	9,196.53	25.11
11 46 16 00-0111	EA		27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6054FD).....	9,174.91	25.11
11 46 16 00-0112	EA		27-1/2" Length x 59" Width x 52-3/8" Height, 36" Curved Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco 193BC36HCB).....	2,913.47	27.44
11 46 16 00-0113	EA		27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6054FW).....	9,749.70	27.44
11 46 16 00-0114	EA		27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP6054NW).....	7,658.74	27.44
11 46 16 00-0115	EA		27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654FW).....	7,888.45	25.11
11 46 16 00-0116	EA		34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB36RWN).....	3,269.57	27.44
11 46 16 00-0117	EA		34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB36FBN).....	10,072.21	27.44
11 46 16 00-0118	EA		34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB36FWN).....	10,072.21	27.44
11 46 16 00-0119	EA		34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB362WN).....	10,072.21	27.44
11 46 16 00-0120	EA		34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB48DWN).....	7,527.16	27.44
11 46 16 00-0121	EA		34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Refrigerated Bakery Display Case, Black (Turbo Air TCGB48FBN).....	12,134.34	27.44
11 46 16 00-0122	EA		34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB48FWN).....	12,134.34	27.44
11 46 16 00-0123	EA		34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB482WN).....	12,134.34	27.44
11 46 16 00-0124	EA		34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB60DWN).....	8,657.37	27.44
11 46 16 00-0125	EA		34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB60FBN).....	12,325.78	27.44
11 46 16 00-0126	EA		34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB60FWN).....	10,852.39	27.44
11 46 16 00-0127	EA		34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB602WN).....	10,852.39	27.44
11 46 16 00-0128	EA		34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB722WN).....	12,886.22	30.16
11 46 16 00-0129	<b>Dry Bakery Display Case</b> <small>(11 46 16)</small>				
11 46 16 00-0130	EA		26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD36B).....	2,324.52	18.85
11 46 16 00-0131	EA		26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD36W).....	2,324.52	18.85
11 46 16 00-0132	EA		26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD48B).....	2,578.75	18.85
11 46 16 00-0133	EA		26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD48W).....	2,578.75	18.85
11 46 16 00-0134	EA		26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD60B).....	2,965.45	21.57
11 46 16 00-0135	EA		26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD60W).....	3,537.47	21.57
11 46 16 00-0136	EA		26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD72B).....	3,461.20	21.57
11 46 16 00-0137	EA		26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD72W).....	3,461.20	21.57
11 46 16 00-0138	EA		27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air TBP3646FN).....	7,279.95	25.11
11 46 16 00-0139	EA		27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air TBP3646FW).....	14,509.61	25.11
11 46 16 00-0140	EA		34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Turbo Air TCGB72DWN).....	9,574.56	30.16

**11 Equipment****11 40 Foodservice Equipment****11 46 Food Dispensing Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0141	EA		35-3/4" Length x 37-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Beverage-Air CDR3HCWD).....	7,056.36	27.44
11 46 16 00-0142	EA		35-3/4" Length x 36-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR3HCBD).....	7,056.36	27.44
11 46 16 00-0143	EA		35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR4HCBD).....	7,056.36	27.44
11 46 16 00-0144	EA		35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Doors, 2 Shelves, Dry Bakery Display Case, White (Beverage-Air CDR4HCWD).....	7,056.36	27.44
11 46 16 00-0145	EA		35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR5HCBD).....	7,340.46	27.44
11 46 16 00-0146	EA		35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR5HCWD).....	7,340.46	27.44
11 46 16 00-0147	EA		35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR6HCBD).....	7,935.78	30.16
11 46 16 00-0148	EA		35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White(Beverage-Air CDR6HCWD).....	7,935.78	30.16
<b>11 46 16 00-0149</b>			<b>Dual Dry/Refrigerated Bakery Display Case <sup>(11 46 16)</sup></b>		
11 46 16 00-0150	EA		34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Dual Dry/Refrigerated Bakery Display Case, Black (Turbo Air TCGB60UFCBON).....	11,780.67	27.44
11 46 16 00-0151	EA		34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60UFCOWN).....	11,780.67	27.44
11 46 16 00-0152	EA		34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60COWN).....	11,780.67	27.44
11 46 16 00-0153	EA		34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72UFCOWN).....	11,786.17	30.16
11 46 16 00-0154	EA		34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72COWN).....	12,097.70	30.16
<b>11 46 16 00-0155</b>			<b>Refrigerated Deli Case <sup>(11 46 16)</sup></b>		
11 46 16 00-0156	EA		30" Length x 72-1/2" Width x 41-7/8" Height, 72" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72LWN).....	12,926.40	100.52
11 46 16 00-0157	EA		30" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72HWN).....	12,926.40	100.52
11 46 16 00-0158	EA		30" Length x 96-1/2" Width x 41-7/8" Height, 96" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96LWN).....	14,831.07	100.52
11 46 16 00-0159	EA		30" Length x 96-1/2" Width x 5-1/8" Height, 96" Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degree Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96HWN).....	14,831.07	100.52
11 46 16 00-0160	EA		32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC36HCB).....	2,979.38	60.33
11 46 16 00-0161	EA		32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Doors, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC36HCS).....	3,249.74	60.33
11 46 16 00-0162	EA		32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC36HCW).....	2,979.38	60.33
11 46 16 00-0163	EA		32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC47HCB).....	3,365.29	75.40
11 46 16 00-0164	EA		32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC47HCS).....	3,664.11	75.40
11 46 16 00-0165	EA		32-1/2" Length x 64-1/3" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC64HCW).....	3,927.85	100.52
11 46 16 00-0166	EA		32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC64HCB).....	3,927.85	100.52
11 46 16 00-0167	EA		32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC64HCS).....	4,454.35	100.52
11 46 16 00-0168	EA		32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC47HCW).....	3,415.59	100.52
11 46 16 00-0169	EA		32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC82HCB).....	4,297.82	100.52
11 46 16 00-0170	EA		32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC82HCW).....	4,297.82	100.52
11 46 16 00-0171	EA		32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC82HCS).....	4,738.94	100.52
<b>11 46 19 Soda Fountain Equipment <sup>(11 46)</sup></b>					
<b>11 46 19 00-0001</b>			<b>Carbonated Beverage Dispensing <sup>(11 46 19)</sup></b>		
11 46 19 00-0002	EA		Carbonated Beverage Dispenser.....	2,925.70	339.75
11 46 19 00-0003	EA		Carbonated Beverage Dispenser With 90 LB Ice.....	4,625.53	388.24
11 46 19 00-0004	EA		Carbonated Beverage Dispenser With 150 LB Ice.....	8,486.60	543.52

<b>Equipment</b>	<b>11</b>
<b>Foodservice Equipment</b>	<b>11 40</b>
<b>Food Dispensing Equipment</b>	<b>11 46</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>11 46 19 00-0005</b>	<b>Beverage Chilling Systems</b> <small>(11 46 19)</small>		
11 46 19 00-0006	EA Beverage Chiller, Small.....	6,127.97	312.33
11 46 19 00-0007	EA Beverage Chiller, Large.....	11,442.65	468.54

**11 46 83 Ice Machines** (11 46)

<b>11 46 83 00-0001</b>	<b>Undercounter Ice Machines With Bin</b> <small>(11 46 83)</small>		
11 46 83 00-0002	EA 53 LB/Day, Air Cooled Undercounter Octagonal Cube Ice Machine With 25 LB Capacity Bin (Manitowoc SM-50A 115/60/1).....	1,919.80	18.85
11 46 83 00-0003	EA 85 LB/Day, Air Cooled Undercounter Pearl/Nugget Ice Machine With 22 LB Capacity Bin (Ice-O-Matic GEMU090).....	3,084.36	146.33
11 46 83 00-0004	EA 137 LB/Day, Air Cooled Undercounter Half Dice Cube Ice Machine With 90 LB Capacity Bin (Manitowoc UYF0140A).....	2,350.77	146.33
11 46 83 00-0005	EA 100 LB/Day, Undercounter, Air Cooled Ice Machine With 57 LB Capacity Bin (Scotsman CU0920MA).....	2,294.67	146.33
11 46 83 00-0006	EA 227 LB/Day, Undercounter, Air Cooled Ice Machine With 80 Lb Capacity Bin (Scotsman UC2024SA).....	2,471.77	156.79
11 46 83 00-0007	EA 282 LB/Day, Undercounter, Air Cooled Ice Machine With 80 Lb Capacity Bin (Scotsman UC2724SA).....	2,764.37	156.79

**11 46 83 00-0008 Ice Cube Maker** (11 46 83)

11 46 83 00-0009	EA 320 LB/Day, Modular Ice Maker Without Bin.....	2,867.48	156.79
11 46 83 00-0010	EA 451 LB/Day, Modular Ice Maker Without Bin.....	3,115.56	167.24
11 46 83 00-0011	EA 600 LB/Day, Modular Ice Maker Without Bin.....	3,563.35	167.24
11 46 83 00-0012	EA 901 LB/Day, Modular Ice Maker Without Bin.....	5,085.53	177.69
11 46 83 00-0013	EA 1301 LB/Day, Modular Ice Maker Without Bin.....	5,767.23	177.69
11 46 83 00-0014	EA 1601 LB/Day, Modular Ice Maker Without Bin.....	6,948.72	188.14
11 46 83 00-0015	EA 1900 LB/Day, Modular Ice Maker Without Bin.....	7,673.18	188.14

**11 46 83 00-0016 Ice Flakers** (11 46 83)

11 46 83 00-0017	EA 300 LB/Day, Ice Flakers.....	4,722.84	508.98
11 46 83 00-0018	EA 600 LB/Day, Ice Flakers.....	8,536.08	814.37
11 46 83 00-0019	EA 1,000 LB/Day, Ice Flakers.....	10,574.00	1,119.76
11 46 83 00-0020	EA 2,000 LB/Day, Ice Flakers.....	12,890.64	1,221.56

**11 46 83 00-0021 Ice Storage Bins** (11 46 83)

11 46 83 00-0022	EA 260 LB Capacity, Stainless Steel Ice Storage Bin.....	1,162.65	113.11
11 46 83 00-0023	EA 360 LB Capacity, Stainless Steel Ice Storage Bin.....	1,272.10	113.11
11 46 83 00-0024	EA 550 LB Capacity, Stainless Steel Ice Storage Bin.....	1,582.83	122.54
11 46 83 00-0025	EA 660 LB Capacity, Stainless Steel Ice Storage Bin.....	1,704.44	122.54
11 46 83 00-0026	EA 1150 LB Capacity, Stainless Steel Ice Storage Bin.....	3,243.50	131.96

**11 48 Foodservice Cleaning and Disposal Equipment** (11 40)

**11 48 13 Commercial Dishwashers** (11 48)

**11 48 13 00-0001 Rack Type Dishwasher** (11 48 13)

11 48 13 00-0002	EA Dishwasher, 1 Tank And 190 Racks/Hour.....	7,938.67	203.50
11 48 13 00-0003	EA Dishwasher, 2 Tanks And 234 Racks/Hour.....	13,720.91	534.19
11 48 13 00-0004	EA Dishwasher, 2 Tanks And 265 Racks/Hour.....	16,468.82	610.50
11 48 13 00-0005	EA Dishwasher, Automatic - 100 Meals/Hour.....	12,684.80	152.63
11 48 13 00-0006	EA Dishwasher, Machine Rack.....	14,905.27	423.99
11 48 13 00-0007	EA Dishwasher, Hobart LX30-H.....	3,994.71	178.07

**11 48 13 00-0008 Exhaust Hood Dishwasher** (11 48 13)

11 48 13 00-0009	EA 4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	1,735.46	235.24
11 48 13 00-0010	EA 4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	2,856.05	282.29

**11 48 13 00-0011 Dish Tables** (11 48 13)

11 48 13 00-0012	LF Clean/Soiled Dish Table, Basic.....	202.44	39.08
11 48 13 00-0013	LF Clean/Soiled Dish Table With Trough.....	316.65	58.57
11 48 13 00-0014	LF Clean/Soiled Dish Table, Maximum.....	387.59	78.06

**11 48 13 00-0015 Sprays And Hoses** (11 48 13)

**11 48 13 00-0016 Sprays, Fillers** (11 48 13 00-0015)

11 48 13 00-0017	EA Pre-Rinse Spray.....	362.83	74.13
11 48 13 00-0018	EA Kettle Fillers.....	319.93	74.13

**11 48 13 00-0019 Hoses** (11 48 13 00-0015)

11 48 13 00-0020	EA Hose Reel.....	435.41	88.99
11 48 13 00-0021	EA Wash-Down Hose.....	349.60	88.99
11 48 13 00-0022	EA Hose Reel And Spray System With Accessories (Chicago 535NF).....	1,228.19	

**11 48 16 Foodservice Disposal Equipment** (11 48)

**11 Equipment**

**11 40 Foodservice Equipment**

**11 48 Foodservice Cleaning and Disposal Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 48 16 00-0001			<b>Garbage Disposals</b> <sup>(11 48 16)</sup> Note: Manual switch.		
11 48 16 00-0002	EA		1/2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal.....	1,224.25	137.36
11 48 16 00-0003	EA		3/4 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal.....	1,534.44	142.45
11 48 16 00-0004	EA		1 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal.....	1,645.59	147.54
11 48 16 00-0005	EA		1.5 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal.....	2,139.39	152.63
11 48 16 00-0006	EA		2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal.....	2,329.86	167.89
11 48 16 00-0007	EA		3 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal.....	3,264.12	183.15
11 48 16 00-0008	EA		5 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal.....	3,891.24	203.50
11 48 16 00-0009	EA		7-1/2 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal.....	5,400.51	218.76
11 48 16 00-0010	EA		10 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal.....	7,097.99	228.93
11 48 16 00-0011			<b>Pulper/Extractors</b> <sup>(11 48 16)</sup>		
11 48 16 00-0012	EA		5 HP, Pulper/Extractor, Close-Coupled.....	4,728.41	211.94

**11 50 Educational and Scientific Equipment** <sup>(11)</sup>

**11 52 Audio-Visual Equipment** <sup>(11 50)</sup>

**11 52 13 Projection Screens** <sup>(11 52)</sup>

**11 52 13 13 Fixed Projection Screens** <sup>(11 52 13)</sup>

**11 52 13 13-0001 Screens** <sup>(11 52 13 13)</sup>

**11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B)**

11 52 13 13-0003	EA		40" x 40" Pull Down Projection Screen (Da-Lite B).....	285.28	73.41
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0004	EA		50" x 50" Pull Down Projection Screen (Da-Lite B).....	342.05	94.38
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0005	EA		60" x 60" Pull Down Projection Screen (Da-Lite B).....	440.77	131.08
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0006	EA		70" x 70" Pull Down Projection Screen (Da-Lite B).....	513.27	157.30
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0007	EA		84" x 84" Pull Down Projection Screen (Da-Lite B).....	790.98	235.95
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0008	EA		96" x 96" Pull Down Projection Screen (Da-Lite B).....	923.67	262.17
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0009	EA		64" x 84" Pull Down Projection Screen (Da-Lite B).....	654.65	167.79
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0010	EA		72" x 96" Pull Down Projection Screen (Da-Lite B).....	758.61	209.74
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0011	EA		43" x 57" Pull Down Projection Screen (Da-Lite B).....	397.01	89.13
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0012	EA		50" x 67" Pull Down Projection Screen (Da-Lite B).....	550.69	125.84
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0013	EA		55" x 77" Pull Down Projection Screen (Da-Lite B).....	602.22	141.57
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0014	EA		60" x 80" Pull Down Projection Screen (Da-Lite B).....	643.25	152.05
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0015	EA		69" x 92" Pull Down Projection Screen (Da-Lite B).....	746.31	183.52
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0016	EA		45" x 80" Pull Down Projection Screen (Da-Lite B).....	601.30	131.08
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0017	EA		52" x 92" Pull Down Projection Screen (Da-Lite B).....	683.39	152.05
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**11 52 13 13-0018 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C)** (11 52 13 13-0001)

11 52 13 13-0019	EA 50" x 50" Pull Down Projection Screen (Da-Lite C).....	622.99		94.38
	<i>For High Contrast Matte, Add</i>	40.00		
	<i>For Video Spectra Fabric, Add</i>	40.00		
	<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0020	EA 60" x 60" Pull Down Projection Screen (Da-Lite C).....	741.77		131.08
	<i>For High Contrast Matte, Add</i>	40.00		
	<i>For Video Spectra Fabric, Add</i>	40.00		
	<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0021	EA 70" x 70" Pull Down Projection Screen (Da-Lite C).....	876.29		178.28
	<i>For High Contrast Matte, Add</i>	40.00		
	<i>For Video Spectra Fabric, Add</i>	40.00		
	<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0022	EA 84" x 84" Pull Down Projection Screen (Da-Lite C).....	1,031.78		235.95
	<i>For High Contrast Matte, Add</i>	40.00		
	<i>For Video Spectra Fabric, Add</i>	40.00		
	<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0023	EA 6' x 8' Pull Down Projection Screen (Da-Lite C).....	1,122.54		241.20
	<i>For High Contrast Matte, Add</i>	40.00		
	<i>For Video Spectra Fabric, Add</i>	40.00		
	<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0024	EA 8' x 8' Pull Down Projection Screen (Da-Lite C).....	1,204.61		262.17
	<i>For High Contrast Matte, Add</i>	40.00		
	<i>For Video Spectra Fabric, Add</i>	40.00		
	<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0025	EA 7' x 9' Pull Down Projection Screen (Da-Lite C).....	1,224.68		262.17
	<i>For High Contrast Matte, Add</i>	40.00		
	<i>For Video Spectra Fabric, Add</i>	40.00		
	<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0026	EA 9' x 9' Pull Down Projection Screen (Da-Lite C).....	1,316.34		277.90
	<i>For High Contrast Matte, Add</i>	40.00		
	<i>For Video Spectra Fabric, Add</i>	40.00		
	<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0027	EA 8' x 10' Pull Down Projection Screen (Da-Lite C).....	1,408.01		293.63
	<i>For High Contrast Matte, Add</i>	40.00		
	<i>For Video Spectra Fabric, Add</i>	40.00		
	<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0028	EA 10' x 10' Pull Down Projection Screen (Da-Lite C).....	1,510.15		314.61
	<i>For High Contrast Matte, Add</i>	40.00		
	<i>For Video Spectra Fabric, Add</i>	40.00		
	<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0029	EA 9' x 12' Pull Down Projection Screen (Da-Lite C).....	1,670.69		314.61
	<i>For High Contrast Matte, Add</i>	40.00		
	<i>For Video Spectra Fabric, Add</i>	40.00		
	<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0030	EA 12' x 12' Pull Down Projection Screen (Da-Lite C).....	1,960.70		419.48
	<i>For High Contrast Matte, Add</i>	40.00		
	<i>For Video Spectra Fabric, Add</i>	40.00		
	<i>For High Power Fabric, Add</i>	120.00		

**11 52 13 13-0031 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR)** (11 52 13 13-0001)

Note: With controlled screen return.

11 52 13 13-0032	EA 60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,143.11		131.08
	<i>For High Contrast Matte, Add</i>	40.00		
	<i>For Video Spectra Fabric, Add</i>	40.00		
	<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0033	EA 70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,297.69		178.28
	<i>For High Contrast Matte, Add</i>	40.00		
	<i>For Video Spectra Fabric, Add</i>	40.00		
	<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0034	EA 84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,453.19		235.95
	<i>For High Contrast Matte, Add</i>	40.00		
	<i>For Video Spectra Fabric, Add</i>	40.00		
	<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0035	EA 6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,523.88		241.20
	<i>For High Contrast Matte, Add</i>	40.00		
	<i>For Video Spectra Fabric, Add</i>	40.00		
	<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0036	EA 8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,626.02		262.17
	<i>For High Contrast Matte, Add</i>	40.00		
	<i>For Video Spectra Fabric, Add</i>	40.00		
	<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0037	EA 7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,646.09		262.17
	<i>For High Contrast Matte, Add</i>	40.00		
	<i>For Video Spectra Fabric, Add</i>	40.00		
	<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0038	EA 9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,737.75		277.90
	<i>For High Contrast Matte, Add</i>	40.00		
	<i>For Video Spectra Fabric, Add</i>	40.00		
	<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0039	EA 8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,778.79		288.38
	<i>For High Contrast Matte, Add</i>	40.00		
	<i>For Video Spectra Fabric, Add</i>	40.00		
	<i>For High Power Fabric, Add</i>	120.00		

**11 Equipment**  
**11 50 Educational and Scientific Equipment**  
**11 52 Audio-Visual Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0040	EA		10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) ..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	1,991.76 40.00 40.00 120.00	314.61
11 52 13 13-0041	EA		9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) ..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,172.36 40.00 40.00 120.00	314.61
11 52 13 13-0042	EA		12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) ..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,502.50 40.00 40.00 120.00	419.48
<b>11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) (11 52 13 13-0001)</b>					
Note: Heavy-duty screen for exposed installation.					
11 52 13 13-0044	EA		50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,783.48	117.97
11 52 13 13-0045	EA		60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,828.17	131.08
11 52 13 13-0046	EA		70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,915.70	157.30
11 52 13 13-0047	EA		84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,231.82	235.95
11 52 13 13-0048	EA		6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,286.63	241.20
11 52 13 13-0049	EA		8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,430.13	262.17
11 52 13 13-0050	EA		7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,476.30	262.17
11 52 13 13-0051	EA		9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,601.64	280.53
11 52 13 13-0052	EA		8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,751.60	293.63
11 52 13 13-0053	EA		10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,854.48	314.61
11 52 13 13-0054	EA		9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,937.59	314.61
11 52 13 13-0055	EA		12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,291.37	419.48
<b>11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) (11 52 13 13-0001)</b>					
Note: Heavy-duty screen for exposed or recessed installation without doors.					
11 52 13 13-0057	EA		9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	4,038.59	314.61
Note: Heavy-duty screen for exposed or recessed installation without doors.					
11 52 13 13-0058	EA		12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	4,408.87	419.48
Note: Heavy-duty screen for exposed or recessed installation without doors.					
11 52 13 13-0059	EA		14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	5,436.82	471.91
Note: Heavy-duty screen for exposed or recessed installation without doors.					
11 52 13 13-0060	EA		12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	5,742.36	524.34
Note: Heavy-duty screen for exposed or recessed installation without doors.					
11 52 13 13-0061	EA		16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	6,152.77	629.21
Note: Heavy-duty screen for exposed or recessed installation without doors.					
11 52 13 13-0062	EA		13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	6,859.64	681.65
Note: Heavy-duty screen for exposed or recessed installation without doors.					
11 52 13 13-0063	EA		18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	7,506.32	734.08
Note: Heavy-duty screen for exposed or recessed installation without doors.					
11 52 13 13-0064	EA		15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	7,907.66	734.08
Note: Heavy-duty screen for exposed or recessed installation without doors.					
11 52 13 13-0065	EA		20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	8,538.81	838.95
Note: Heavy-duty screen for exposed or recessed installation without doors.					
11 52 13 13-0066	EA		11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	7,862.99	681.65
Note: Heavy-duty screen for exposed or recessed installation without doors.					
11 52 13 13-0067	EA		16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	8,378.27	838.95
Note: Heavy-duty screen for exposed or recessed installation without doors.					
11 52 13 13-0068	EA		22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	8,788.67	943.82
Note: Heavy-duty screen for exposed or recessed installation without doors.					
11 52 13 13-0069	EA		12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	8,369.20	734.08
Note: Heavy-duty screen for exposed or recessed installation without doors.					
11 52 13 13-0070	EA		18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	10,795.37	943.82
Note: Heavy-duty screen for exposed or recessed installation without doors.					
<b>11 52 13 13-0071 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) (11 52 13 13-0001)</b>					
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0072	EA		50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	3,645.33	117.97
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0073	EA		60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	3,731.75	131.08
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0074	EA		70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	3,824.33	157.30
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0075	EA		84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	4,122.10	235.95
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0076	EA		6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	4,172.72	241.20
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0077	EA		8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	4,335.06	262.17
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0078	EA		7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	4,455.47	262.17
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0079	EA		9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	4,552.37	280.53
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0080	EA		8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	4,678.93	293.63
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0081	EA		10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	4,801.14	314.61
Note: In-the-ceiling screen with automatically operated door to conceal screen.					



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	11 52 13	13-0082	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,841.27	314.61	
	11 52 13	13-0083	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,251.68	419.48	
	11 52 13	13-0084	EA	10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,625.20	445.69	
	11 52 13	13-0085	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,878.30	471.91	
	11 52 13	13-0086	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,424.64	524.34	
	11 52 13	13-0087	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,734.71	629.21	
11 52 13	13-0088	<b>Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol)</b> <small>(11 52 13 13-0001)</small>					
				Note: In-the-ceiling screen with automatically operated door to conceal screen.			
	11 52 13	13-0089	EA	50" x 50" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,035.30	117.97	
	11 52 13	13-0090	EA	60" x 60" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,115.82	144.20	
	11 52 13	13-0091	EA	70" x 70" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,160.11	157.30	
	11 52 13	13-0092	EA	84" x 84" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,375.60	235.95	
	11 52 13	13-0093	EA	6' x 8' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,404.16	241.20	
	11 52 13	13-0094	EA	8' x 8' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,522.35	262.17	
	11 52 13	13-0095	EA	7' x 9' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,628.70	262.17	
	11 52 13	13-0096	EA	9' x 9' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,807.88	280.53	
	11 52 13	13-0097	EA	8' x 10' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,862.20	293.63	
	11 52 13	13-0098	EA	10' x 10' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,990.43	314.61	
	11 52 13	13-0099	EA	9' x 12' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,015.03	367.04	
	11 52 13	13-0100	EA	12' x 12' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,400.84	419.48	
	11 52 13	13-0101	EA	10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,452.62	445.69	
	11 52 13	13-0102	EA	14' x 14' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,695.69	471.91	
	11 52 13	13-0103	EA	12' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,171.80	524.34	
	11 52 13	13-0104	EA	16' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,465.82	629.21	
	11 52 13	13-0105	EA	13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	7,042.25	681.65	
	11 52 13	13-0106	EA	18' x 18' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	7,482.24	734.08	
	11 52 13	13-0107	EA	15' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	7,775.22	734.08	
	11 52 13	13-0108	EA	20' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	8,611.05	838.95	
	11 52 13	13-0109	EA	50" x 67" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,160.11	157.30	
	11 52 13	13-0110	EA	60" x 80" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,323.17	209.74	
	11 52 13	13-0111	EA	69" x 92" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,393.67	235.95	
	11 52 13	13-0112	EA	87" x 116" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,882.27	293.63	
	11 52 13	13-0113	EA	105" x 140" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,181.59	367.04	
	11 52 13	13-0114	EA	123" x 164" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,192.00	471.91	
	11 52 13	13-0115	EA	141" x 188" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,554.25	576.78	
	11 52 13	13-0116	EA	12' x 24' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	9,654.01	786.52	
	11 52 13	13-0117	EA	45" x 80" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,333.21	209.74	
	11 52 13	13-0118	EA	52" x 92" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,423.77	235.95	
	11 52 13	13-0119	EA	54" x 96" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,513.42	251.69	
	11 52 13	13-0120	EA	58" x 104" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,573.43	272.66	
	11 52 13	13-0121	EA	65" x 116" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,785.95	293.63	
	11 52 13	13-0122	EA	78" x 139" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,105.34	367.04	
	11 52 13	13-0123	EA	92" x 164" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,137.82	471.91	

**11 Equipment****11 50 Educational and Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
11 52 13 13-0124	EA	106" x 188" Electric Projection Screen (Da-Lite Senior Electrol).....	5,953.59		576.78
		Note: Heavy duty screen for recessed or exposed installation.			
11 52 13 13-0125	EA	119" x 212" Electric Projection Screen (Da-Lite Senior Electrol).....	7,216.83		681.65
		Note: Heavy duty screen for recessed or exposed installation.			
11 52 13 13-0126		<b>Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol)</b> <small>(11 52 13 13-0001)</small>			
		Note: In-the-ceiling screen with automatically operated door to conceal screen.			
11 52 13 13-0127	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol).....	3,454.75		117.97
		Note: In-the-ceiling screen with automatically operated door to conceal screen.			
11 52 13 13-0128	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol).....	3,525.29		131.08
		Note: In-the-ceiling screen with automatically operated door to conceal screen.			
11 52 13 13-0129	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol).....	3,610.97		157.30
		Note: In-the-ceiling screen with automatically operated door to conceal screen.			
11 52 13 13-0130	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol).....	3,882.76		235.95
		Note: In-the-ceiling screen with automatically operated door to conceal screen.			
11 52 13 13-0131	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol).....	3,930.19		241.20
		Note: In-the-ceiling screen with automatically operated door to conceal screen.			
11 52 13 13-0132	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol).....	4,051.54		262.17
		Note: In-the-ceiling screen with automatically operated door to conceal screen.			
11 52 13 13-0133	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol).....	4,175.27		262.17
		Note: In-the-ceiling screen with automatically operated door to conceal screen.			
11 52 13 13-0134	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol).....	4,291.37		280.53
		Note: In-the-ceiling screen with automatically operated door to conceal screen.			
11 52 13 13-0135	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol).....	4,376.70		293.63
		Note: In-the-ceiling screen with automatically operated door to conceal screen.			
11 52 13 13-0136	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol).....	4,512.82		314.61
		Note: In-the-ceiling screen with automatically operated door to conceal screen.			
11 52 13 13-0137	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol).....	4,640.24		314.61
		Note: In-the-ceiling screen with automatically operated door to conceal screen.			
11 52 13 13-0138	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol).....	4,957.09		419.48
		Note: In-the-ceiling screen with automatically operated door to conceal screen.			
11 52 13 13-0139		<b>Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol)</b> <small>(11 52 13 13-0001)</small>			
		Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.			
11 52 13 13-0140	EA	60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	9,311.68		262.17
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.			
11 52 13 13-0141	EA	69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	9,978.43		314.61
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.			
11 52 13 13-0142	EA	87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	11,657.59		471.91
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.			
11 52 13 13-0143	EA	105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	14,701.31		629.21
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.			
11 52 13 13-0144	EA	120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	16,315.73		734.08
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.			
11 52 13 13-0145	EA	52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	9,873.56		262.17
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.			
11 52 13 13-0146	EA	58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	10,801.17		314.61
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.			
11 52 13 13-0147	EA	65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	11,447.85		367.04
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.			
11 52 13 13-0148	EA	78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	14,386.70		471.91
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.			
11 52 13 13-0149		<b>Electric Rear Projection Screen (Da-Lite DA-View)</b> <small>(11 52 13 13-0001)</small>			
		Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.			
11 52 13 13-0150	EA	60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	3,351.11		262.17
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.			
11 52 13 13-0151	EA	67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	4,189.20		288.38
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.			
11 52 13 13-0152	EA	72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	4,791.58		314.61
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.			
11 52 13 13-0153	EA	84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	8,536.58		340.82
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.			
11 52 13 13-0154	EA	90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	9,453.22		9,086.18
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.			
11 52 13 13-0155	EA	96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	10,500.87		419.48
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.			
11 52 13 13-0156	EA	100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	13,434.08		471.91
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.			
11 52 13 13-0157	EA	120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	18,095.72		524.34
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.			
11 52 13 13-0158	EA	125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	20,243.28		576.78
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.			
11 52 13 13-0159	EA	135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	27,026.18		629.21
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.			
11 52 13 13-0160		<b>Screen Accessories</b> <small>(11 52 13 13-0001)</small>			
11 52 13 13-0161		<b>Manual Pull Down Accessories</b> <small>(11 52 13 13-0160)</small>			

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 52 13 13-0162	EA			6" Mounting Bracket (Pair) .....	51.86	7.87
11 52 13 13-0163	EA			14" Wall Mounting Bracket (Pair) .....	71.93	8.39
11 52 13 13-0164	EA			14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair) .....	83.97	9.44

**11 52 13 13-0165 Electric Powered Screen Accessories** (11 52 13 13-0160)

11 52 13 13-0166	EA			Single Motor Low Voltage Remote Control System - Infrared .....	505.80	
11 52 13 13-0167	EA			Single Motor Low Voltage Remote Control System - Radio Frequency .....	726.54	

**11 52 13 16 Portable Projection Screens** (11 52 13)

**11 52 13 16-0001 Projection Screen And Case** (11 52 13 16)

11 52 13 16-0002	EA			9' x 12' Spring-Roller Operated Projection Screen (Draper Luma 2) .....	1,583.16	190.34
11 52 13 16-0003	EA			12' x 12' Spring-Roller Operated Projection Screen (Draper Luma 2) .....	1,594.16	190.34
11 52 13 16-0004	EA			9' x 9' Non Tensioned Electric Projection Screen (Draper Targa) .....	1,657.57	190.34
11 52 13 16-0005	EA			9' x 12' Non Tensioned Electric Projection Screen (Draper Targa) .....	1,801.58	190.34
11 52 13 16-0006	EA			12' x 12' Non Tensioned Electric Projection Screen (Draper Targa) .....	2,534.57	190.34
11 52 13 16-0007	EA			12' x 16' Non Tensioned Electric Projection Screen (Draper Targa) .....	3,400.64	190.34
11 52 13 16-0008	EA			14' x 14' Non Tensioned Electric Projection Screen (Draper Targa) .....	3,033.15	190.34
11 52 13 16-0009	EA			16' x 16' Non Tensioned Electric Projection Screen (Draper Targa) .....	3,483.07	190.34
11 52 13 16-0010	EA			15' x 20' Non Tensioned Electric Projection Screen (Draper Paragon) .....	5,419.51	190.34
11 52 13 16-0011	EA			20' x 20' Non Tensioned Electric Projection Screen (Draper Paragon) .....	5,727.55	190.34
11 52 13 16-0012	EA			11' x 22' Non Tensioned Electric Projection Screen (Draper Paragon) .....	5,543.58	190.34
11 52 13 16-0013	EA			16'-6" x 22' Non Tensioned Electric Projection Screen (Draper Paragon) .....	5,671.93	190.34
11 52 13 16-0014	EA			22' x 22' Non Tensioned Electric Projection Screen (Draper Paragon) .....	5,804.56	190.34
11 52 13 16-0015	EA			Projection Screen Hanger Assembly Unit .....	146.39	23.79

Note: Includes beam clamp, 1/4" cable tail, 8' long, 3/8" x 6" eye and jaw turnbuckle and #1715 pipe clamp (for 1-1/2" inside diameter pipe batten).

**11 52 16 Projectors** (11 52)

**11 52 16 26 Video Projectors** (11 52 16)

**11 52 16 26-0001 Projectors** (11 52 16 26)

11 52 16 26-0002	EA			2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector .....	960.55	52.43
11 52 16 26-0003	EA			2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector .....	1,110.29	52.43
11 52 16 26-0004	EA			2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector .....	1,463.26	52.43
11 52 16 26-0005	EA			3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector .....	2,297.55	52.43
11 52 16 26-0006	EA			3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector .....	2,671.91	52.43
11 52 16 26-0007	EA			3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector .....	3,388.54	52.43
11 52 16 26-0008	EA			4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector .....	5,378.00	52.43
11 52 16 26-0009	EA			5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector .....	7,281.89	52.43
11 52 16 26-0010	EA			6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector .....	10,800.87	52.43

**11 52 16 26-0011 Projector Mounts** (11 52 16 26)

**11 52 16 26-0012 Universal Projector Mounts** (11 52 16 26-0011)

Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.

11 52 16 26-0013	EA			Flush Ceiling, Universal Projector Mount (Peerless PPF) .....	226.22	57.65
11 52 16 26-0014	EA			Wall Arm, Universal Projector Mount (Peerless PWA-14) .....	359.00	57.65

**11 52 16 26-0015 Projector Mount Components** (11 52 16 26-0011)

Note: Complete projector mount system will include ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.

**11 52 16 26-0016 Ceiling Attachment Plates For Projector Mounts** (11 52 16 26-0015)

11 52 16 26-0017	EA			Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570) .....	83.99	26.20
11 52 16 26-0018	EA			Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557) .....	111.24	26.20
11 52 16 26-0019	EA			I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559) .....	151.58	26.20
11 52 16 26-0020	EA			Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455) .....	189.36	26.20

**11 52 16 26-0021 Projector Attachment Plates For Projector Mounts** (11 52 16 26-0015)

11 52 16 26-0022	EA			Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV) .....	270.90	26.20
11 52 16 26-0023	EA			High Security Projector Enclosure For Projector Mounts (Peerless ALB) .....	588.59	26.20

**11 52 16 26-0024 Threaded Extension Columns For Projector Mounts** (11 52 16 26-0015)

**11 52 16 26-0025 Fixed Length, Threaded Extension Column For Projector Mounts** (11 52 16 26-0024)

Note: Peerless EXT series.

11 52 16 26-0026	EA			6" Fixed Length, Threaded Extension Column For Projector Mounts .....	47.67	7.86
11 52 16 26-0027	EA			12" Fixed Length, Threaded Extension Column For Projector Mounts .....	61.11	7.86
11 52 16 26-0028	EA			18" Fixed Length, Threaded Extension Column For Projector Mounts .....	66.15	7.86
11 52 16 26-0029	EA			24" Fixed Length, Threaded Extension Column For Projector Mounts .....	69.52	7.86
11 52 16 26-0030	EA			36" Fixed Length, Threaded Extension Column For Projector Mounts .....	83.15	10.48
11 52 16 26-0031	EA			48" Fixed Length, Threaded Extension Column For Projector Mounts .....	99.96	10.48
11 52 16 26-0032	EA			60" Fixed Length, Threaded Extension Column For Projector Mounts .....	126.85	10.48
11 52 16 26-0033	EA			72" Fixed Length, Threaded Extension Column For Projector Mounts .....	145.34	10.48
11 52 16 26-0034	EA			84" Fixed Length, Threaded Extension Column For Projector Mounts .....	170.75	13.10
11 52 16 26-0035	EA			96" Fixed Length, Threaded Extension Column For Projector Mounts .....	194.28	13.10
11 52 16 26-0036	EA			108" Fixed Length, Threaded Extension Column For Projector Mounts .....	216.34	15.73
11 52 16 26-0037	EA			120" Fixed Length, Threaded Extension Column For Projector Mounts .....	226.42	15.73

**11 Equipment****11 50 Educational and Scientific Equipment****11 52 Audio-Visual Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

11 52 16 26-0038		Adjustable Length, Threaded Extension Columns For Projector Mounts <sup>(11 52 16 26-0038)</sup>	
Note: Peerless ADJ series. Adjustable at 1" increments.			
11 52 16 26-0039	EA	6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts .....	96.79 13.10
11 52 16 26-0040	EA	12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts .....	147.22 13.10
11 52 16 26-0041	EA	18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts .....	150.58 13.10
11 52 16 26-0042	EA	24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts .....	155.62 13.10
11 52 16 26-0043	EA	36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts .....	169.28 15.73
11 52 16 26-0044	EA	48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts .....	177.68 15.73
11 52 16 26-0045	EA	60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts .....	196.17 15.73
11 52 16 26-0046	EA	72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts .....	212.98 15.73
11 52 16 26-0047	EA	84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts .....	236.70 18.35
11 52 16 26-0048	EA	96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts .....	253.50 18.35
11 52 16 26-0049	EA	108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts .....	277.24 20.96
11 52 16 26-0050	EA	120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts .....	289.01 20.96

**11 52 33 Interactive Displays <sup>(11 52)</sup>**

11 52 33 00-0001		Television Monitors And Panels <sup>(11 52 33)</sup>	
Note: Excludes wall or ceiling mounts See CSI section 11 52 33 00-0019 for television mounting.			
11 52 33 00-0002	EA	27" HD Television, LCD, 1080 DPI, 60 Hertz .....	481.63 15.08
11 52 33 00-0003	EA	32" HD Television, LCD, 720 DPI, 60 Hertz .....	528.62 16.97
11 52 33 00-0004	EA	32" HD Television, LCD, 1080 DPI, 120 Hertz .....	717.95 18.85
11 52 33 00-0005	EA	32" HD Television, LED, 1920x1080 With WI-FI .....	724.53 18.85
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.			
11 52 33 00-0006	EA	40" HD Television, LED, 1920x1080 With WI-FI .....	820.50 20.73
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.			
11 52 33 00-0007	EA	46" HD Television, LED, 1920x1080 With WI-FI .....	963.52 22.62
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.			
11 52 33 00-0008	EA	50" HD Television, LED, 1920x1080 With WI-FI .....	1,200.64 24.51
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.			
11 52 33 00-0009	EA	55" HD Television, LED, 1920x1080 With WI-FI .....	1,435.87 24.51
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.			
11 52 33 00-0010	EA	60" HD Television, LED, 1920x1080 With WI-FI .....	1,672.98 26.39
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.			
11 52 33 00-0011	EA	65" HD Television, LED, 1920x1080 With WI-FI .....	2,027.71 28.28
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.			
11 52 33 00-0012	EA	75" HD Television, LED, 1920x1080 With WI-FI .....	3,205.75 30.17
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.			
11 52 33 00-0013	EA	46" 3D Television, LED, 1080 DPI, 240 Hertz .....	1,475.49 22.62
11 52 33 00-0014	EA	55" 3D Television, LED, 1080 DPI, 240 Hertz .....	2,058.53 24.51
11 52 33 00-0015	EA	60" 3D Television, LED, 1080 DPI, 240 Hertz .....	2,786.86 26.39
11 52 33 00-0016	EA	65" 3D Television, LED, 1080 DPI, 240 Hertz .....	2,934.04 28.28
11 52 33 00-0017	EA	75" 3D Television, LED, 1080 DPI, 240 Hertz .....	4,386.92 28.28
11 52 33 00-0018	EA	86" Interactive LED Panel (SMARTBOARD SPNL-7086) .....	13,374.22 30.17

11 52 33 00-0019		Flat Panel Display Mounting <sup>(11 52 33)</sup>	
Note: Includes anchors, bolts and hardware. Excludes blocking in walls or ceiling.			
11 52 33 00-0020	EA	Swivel Wall Mounts For 10" To 30" Flat Panel Displays .....	317.10 96.46
Note: 2.6" To 16.6" swing arm extension, 12 degrees tilt			
11 52 33 00-0021	EA	Premium Swivel Wall Mounts For 23" To 37" Flat Panel Displays .....	486.42 120.57
Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt			
11 52 33 00-0022	EA	Swivel Wall Mounts For 32" To 60" Flat Panel Displays .....	506.65 144.69
Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt			
11 52 33 00-0023	EA	Swivel Wall Mounts For 32" To 60" Flat Panel Displays With Extra Wide 24" Back Plate .....	537.76 144.69
Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt			
11 52 33 00-0024	EA	Swivel Wall Mounts For 32" To 50" Flat Panel Displays .....	537.76 144.69
Note: 4.5" To 26.2" swing arm extension, 15 degrees tilt			
11 52 33 00-0025	EA	Full Motion Wall Mounts For 13" To 26" Flat Panel Displays .....	301.58 96.46
Note: 8" Extension			
11 52 33 00-0026	EA	Full Motion Wall Mounts For 26" To 40" Flat Panel Displays .....	411.90 120.57
Note: 9.7" Extension			
11 52 33 00-0027	EA	Full Motion Wall Mounts For 32" To 56" Flat Panel Displays .....	693.01 144.69
Note: 10.2" Extension			
11 52 33 00-0028	EA	Full Motion Wall Mounts For 42" To 84" Flat Panel Displays .....	985.17 168.81
Note: 20" Extension			
11 52 33 00-0029	EA	Low Profile Tilting Wall Mounts For 26" To 40" Flat Panel Displays .....	380.85 120.57
11 52 33 00-0030	EA	Low Profile Tilting Wall Mounts For 32" To 70" Flat Panel Displays .....	442.95 120.57
11 52 33 00-0031	EA	Low Profile Tilting Wall Mounts For 75" Flat Panel Displays .....	521.83 144.69
11 52 33 00-0032	EA	Low Profile Wall Mounts For 26" To 40" Flat Panel Displays .....	318.75 120.57
11 52 33 00-0033	EA	Low Profile Wall Mounts For 40" To 70" Flat Panel Displays .....	365.32 120.57
11 52 33 00-0034	EA	Low Profile Wall Mounts For 75" Flat Panel Displays .....	434.65 144.69
11 52 33 00-0035	EA	Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 50" Flat Panel Displays, 39" To 63" Extension From Ceiling .....	531.05 192.92
Note: 360 degree rotation, 15 degree tilt.			
11 52 33 00-0036	EA	Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 70" Flat Panel Displays, 18" To 31" Extension From Ceiling .....	618.22 192.92
Note: 360 degree rotation, 15 degree tilt.			
		For 28" To 41" Extension Pole, Add	30.37
		For 38" To 51" Extension Pole, Add	38.67
		For 48" To 61" Extension Pole, Add	44.21
11 52 33 00-0037	EA	VMP Full Motion (Rotates And Tilts) Ceiling Mounts For 37" To 80" Flat Panel Displays, 15" To 37" Extension From Ceiling .....	648.66 192.92
Note: 360 degree rotation, 15 degree tilt.			

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**11 52 33 00-0038**

**Audio/Video Components** (11 52 33)

11 52 33 00-0039	EA MLC 104 IP Plus MLC - MediaLink™ Controller with IP Link® Ethernet Control, White (Extron Electronics #60-818-03).....	1,126.18	72.34
11 52 33 00-0040	EA MLC 226 IP Enhanced MLC - MediaLink™ Controller with IP Link® Ethernet Control, Black (Extron Electronics #60-600-02).....	1,522.38	72.34
11 52 33 00-0041	EA MPA 152 MPA 152 - Stereo Power Amplifier (Extron Electronics #60-844-01).....	345.38	24.12
11 52 33 00-0042	EA MPA 401-70 Volt, 70 Volt Mono Power Amplifier - 40 Watt (Extron Electronics #60-845-01).....	399.41	24.12
11 52 33 00-0043	EA MLS 406 Six Input MLS - MediaLink™ Switcher with Variable Preamp Audio Output Variable Preamp Audio Output (Extron Electronics #60-560-01).....	1,624.64	96.46
11 52 33 00-0044	EA MLS 406SA Six Input MLS - MediaLink™ Switcher with Mono Audio Amplifier Mono Audio Amplifier (Extron Electronics #60-560-02).....	1,804.73	96.46
11 52 33 00-0045	EA MLS 406SA Six Input MLS - MediaLink™ Switcher with Stereo Audio Amplifier Stereo Audio Amplifier (Extron Electronics #60-560-03).....	1,804.73	96.46
11 52 33 00-0046	EA Wall Plate VGA 3.5 RJ-45 Passthru (Liberty Cable #PC-G1600-E-P-C).....	115.72	12.06
11 52 33 00-0047	EA DVD/VCR Combo (Toshiba #SD V296).....	115.22	
11 52 33 00-0048	EA DVD/VCR Combo (Toshiba #SD V392).....	116.77	
11 52 33 00-0049	EA DVDr/VCR Combo (Toshiba #DVR620).....	213.03	
11 52 33 00-0050	EA DVDr/VCR Combo (Toshiba #DVR670).....	292.21	

**11 52 33 00-0051**

**Audio/Video Cabling** (11 52 33)

11 52 33 00-0052	EA HDMI M-M Pro/3 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-03).....	29.42	
11 52 33 00-0053	EA HDMI M-M Pro/6 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-06).....	42.93	
11 52 33 00-0054	EA HDMI M-M Pro/12 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-12).....	64.16	
11 52 33 00-0055	EA HDMI M-M Pro/25 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-25).....	133.13	
11 52 33 00-0056	EA HDMI M-M Pro/35 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-35).....	187.16	
11 52 33 00-0057	EA HDMI M-M Pro/50 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-50).....	257.11	
11 52 33 00-0058	EA HDMI M-M Pro/75 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-75).....	351.66	
11 52 33 00-0059	EA HDMI M-M Pro/100 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-100).....	432.70	
11 52 33 00-0060	EA HDMI M-M Pro/125 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-125).....	516.15	
11 52 33 00-0061	EA HDMI M-M Pro/150 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-150).....	570.18	
11 52 33 00-0062	EA HDMI M-M Pro/175 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-175).....	680.64	
11 52 33 00-0063	EA HDMI M-M Pro/200 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-200).....	818.12	
11 52 33 00-0064	EA DVI-D/3 Single Link Male to Male Cables (Extron Electronics #26-649-03).....	29.42	
11 52 33 00-0065	EA DVI-D/6 Single Link Male to Male Cables (Extron Electronics #26-649-06).....	42.93	
11 52 33 00-0066	EA DVI-D/12 Single Link Male to Male Cables (Extron Electronics #26-649-12).....	64.16	
11 52 33 00-0067	EA DVI-D/25 Single Link Male to Male Cables (Extron Electronics #26-649-25).....	133.13	
11 52 33 00-0068	EA DVI-D/35 Single Link Male to Male Cables (Extron Electronics #26-649-35).....	187.16	
11 52 33 00-0069	EA DVI-D/50 Single Link Male to Male Cables (Extron Electronics #26-649-50).....	257.10	
11 52 33 00-0070	EA DVI-D/75 Single Link Male to Male Cables (Extron Electronics #26-649-75).....	351.65	
11 52 33 00-0071	EA DVI-D/100 Single Link Male to Male Cables (Extron Electronics #26-649-100).....	432.69	
11 52 33 00-0072	EA DVI-D/125 Single Link Male to Male Cables (Extron Electronics #26-649-125).....	516.15	
11 52 33 00-0073	EA DVI-D/150 Single Link Male to Male Cables (Extron Electronics #26-649-150).....	570.18	
11 52 33 00-0074	EA DVI-D/175 Single Link Male to Male Cables (Extron Electronics #26-649-175).....	680.64	
11 52 33 00-0075	EA DVI-D/200 Single Link Male to Male Cables (Extron Electronics #26-649-200).....	818.12	
11 52 33 00-0076	EA AV RCA/6 RCA Male to Male Composite Video and Stereo Audio Cables 6' (Extron Electronics #26-643-06).....	13.22	
11 52 33 00-0077	EA AV RCA/20 RCA Male to Male Composite Video and Stereo Audio Cables 20' (Extron Electronics #26-643-20).....	21.03	
11 52 33 00-0078	EA VGA M-M MD/3 Male to Male VGA Molded Connector Cables 3' (Extron Electronics #26-238-14).....	15.92	
11 52 33 00-0079	EA VGA M-M MD/6 Male to Male VGA Molded Connector Cables 6' (Extron Electronics #26-238-01).....	17.27	
11 52 33 00-0080	EA VGA M-M MD/10 Male to Male VGA Molded Connector Cables 10' (Extron Electronics #26-238-07).....	23.64	
11 52 33 00-0081	EA VGA M-M MD/15 Male to Male VGA Molded Connector Cables 15' (Extron Electronics #26-238-02).....	27.69	
11 52 33 00-0082	EA VGA M-M MD/25 Male to Male VGA Molded Connector Cables 25' (Extron Electronics #26-238-03).....	43.99	
11 52 33 00-0083	EA VGA M-M MD/35 Male to Male VGA Molded Connector Cables 35' (Extron Electronics #26-238-17).....	61.55	
11 52 33 00-0084	EA VGA M-M MD/50 Male to Male VGA Molded Connector Cables 50' (Extron Electronics #26-238-18).....	81.53	
11 52 33 00-0085	EA VGA M-M MD/75 Male to Male VGA Molded Connector Cables 75' (Extron Electronics #26-238-19).....	108.54	
11 52 33 00-0086	EA VGA M-M MD/100 Male to Male VGA Molded Connector Cables 100' (Extron Electronics #26-238-20).....	135.55	
11 52 33 00-0087	EA VGA M-M BK/3 Male to Male VGA Backshell Connector Cables 3' (Extron Electronics #26-238-24).....	22.67	
11 52 33 00-0088	EA VGA M-M BK/6 Male to Male VGA Backshell Connector Cables 6' (Extron Electronics #26-238-25).....	24.02	
11 52 33 00-0089	EA VGA M-M BK/10 Male to Male VGA Backshell Connector Cables 10' (Extron Electronics #26-238-26).....	30.39	
11 52 33 00-0090	EA VGA M-M BK/15 Male to Male VGA Backshell Connector Cables 15' (Extron Electronics #26-238-27).....	37.15	
11 52 33 00-0091	EA VGA M-M BK/25 Male to Male VGA Backshell Connector Cables 25' (Extron Electronics #26-238-28).....	52.09	
11 52 33 00-0092	EA VGA M-M BK/35 Male to Male VGA Backshell Connector Cables 35' (Extron Electronics #26-238-16).....	69.65	
11 52 33 00-0093	EA VGA M-M BK/50 Male to Male VGA Backshell Connector Cables 50' (Extron Electronics #26-238-04).....	95.03	
11 52 33 00-0094	EA VGA M-M BK/75 Male to Male VGA Backshell Connector Cables 75' (Extron Electronics #26-238-05).....	122.05	
11 52 33 00-0095	EA VGA M-M BK/100 Male to Male VGA Backshell Connector Cables 100' (Extron Electronics #26-238-06).....	155.81	
11 52 33 00-0096	EA A Mini/2 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-01).....	5.11	
11 52 33 00-0097	EA A Mini/9 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-03).....	6.46	
11 52 33 00-0098	EA A Mini/12 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-06).....	7.81	
11 52 33 00-0099	EA A Mini/25 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-07).....	10.51	

**11 53 Laboratory Equipment** (11 50)

**11 53 13 Laboratory Fume Hoods** (11 53)

**11 53 13 11 General Laboratory Fume Hoods** (11 53 13)

**11 53 13 11-0001 Fume Hoods (Kewaunee Scientific)** (11 53 13 11)

**11 53 13 11-0002 General Purpose Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H05)** (11 53 13 11-0001)

11 53 13 11-0003	EA 4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5448-00).....	6,851.65	
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Note: Includes material and installation

**11 Equipment****11 50 Educational and Scientific Equipment****11 53 Laboratory Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13	11-0004	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5448-00) ..... Note: Includes material and installation	7,285.09	
11 53 13	11-0005	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5448-00) ..... Note: Includes material and installation	9,348.66	
11 53 13	11-0006	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5448-00) ..... Note: Includes material and installation	6,459.93	
11 53 13	11-0007	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5460-00) ..... Note: Includes material and installation	7,400.86	
11 53 13	11-0008	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5460-00) ..... Note: Includes material and installation	7,834.30	
11 53 13	11-0009	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5460-00) ..... Note: Includes material and installation	9,914.03	
11 53 13	11-0010	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5460-00) ..... Note: Includes material and installation	6,879.92	
11 53 13	11-0011	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5472-00) ..... Note: Includes material and installation	7,130.29	
11 53 13	11-0012	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5472-00) ..... Note: Includes material and installation	8,411.78	
11 53 13	11-0013	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5472-00) ..... Note: Includes material and installation	10,398.62	
11 53 13	11-0014	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5472-00) ..... Note: Includes material and installation	7,543.54	
11 53 13	11-0015	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5496-00) ..... Note: Includes material and installation	9,710.77	
11 53 13	11-0016	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5496-00) ..... Note: Includes material and installation	11,421.66	
11 53 13	11-0017	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5496-00) ..... Note: Includes material and installation	13,439.46	
11 53 13	11-0018	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5496-00) ..... Note: Includes material and installation	8,951.56	
11 53 13	11-0019	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5448B00) ..... Note: Includes material and installation	6,957.99	
11 53 13	11-0020	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5448B00) ..... Note: Includes material and installation	7,392.78	
11 53 13	11-0021	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5448B00) ..... Note: Includes material and installation	9,459.04	
11 53 13	11-0022	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5448B00) ..... Note: Includes material and installation	6,571.66	
11 53 13	11-0023	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5460B00) ..... Note: Includes material and installation	7,523.35	
11 53 13	11-0024	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5460B00) ..... Note: Includes material and installation	7,959.49	
11 53 13	11-0025	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5460B00) ..... Note: Includes material and installation	10,033.83	
11 53 13	11-0026	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5460B00) ..... Note: Includes material and installation	7,001.07	
11 53 13	11-0027	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5472B00) ..... Note: Includes material and installation	8,108.91	
11 53 13	11-0028	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5472B00) ..... Note: Includes material and installation	8,539.66	
11 53 13	11-0029	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5472B00) ..... Note: Includes material and installation	10,526.50	
11 53 13	11-0030	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5472B00) ..... Note: Includes material and installation	7,675.46	
11 53 13	11-0031	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5496B00) ..... Note: Includes material and installation	9,853.45	
11 53 13	11-0032	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5496B00) ..... Note: Includes material and installation	11,553.58	
11 53 13	11-0033	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5496B00) ..... Note: Includes material and installation	13,583.50	

<b>Equipment</b>	<b>11</b>
<b>Educational and Scientific Equipment</b>	<b>11 50</b>
<b>Laboratory Equipment</b>	<b>11 53</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 53 13 11-0034	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5496B00) ..... Note: Includes material and installation	9,094.25	
<b>11 53 13 11-0035      Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash (Kewaunee Scientific H07) <small>(11 53 13 11-0001)</small></b>				
11 53 13 11-0036	EA	4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5448B00) ..... Note: Includes material and installation	7,861.22	
11 53 13 11-0037	EA	4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5448B00) ..... Note: Includes material and installation	8,293.32	
11 53 13 11-0038	EA	4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5448B00) ..... Note: Includes material and installation	10,360.93	
11 53 13 11-0039	EA	4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5448B00) ..... Note: Includes material and installation	7,472.20	
11 53 13 11-0040	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5460B00) ..... Note: Includes material and installation	8,627.15	
11 53 13 11-0041	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5460B00) ..... Note: Includes material and installation	9,063.29	
11 53 13 11-0042	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5460B00) ..... Note: Includes material and installation	11,141.67	
11 53 13 11-0043	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5460B00) ..... Note: Includes material and installation	8,108.91	
11 53 13 11-0044	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5472B00) ..... Note: Includes material and installation	9,277.32	
11 53 13 11-0045	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5472B00) ..... Note: Includes material and installation	9,710.77	
11 53 13 11-0046	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5472B00) ..... Note: Includes material and installation	11,697.61	
11 53 13 11-0047	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5472B00) ..... Note: Includes material and installation	8,842.53	
11 53 13 11-0048	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5496B00) ..... Note: Includes material and installation	11,373.20	
11 53 13 11-0049	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5496B00) ..... Note: Includes material and installation	11,802.60	
11 53 13 11-0050	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5496B00) ..... Note: Includes material and installation	15,099.20	
11 53 13 11-0051	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5496B00) ..... Note: Includes material and installation	10,618.04	
<b>11 53 13 11-0052      ADA Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H08) <small>(11 53 13 11-0001)</small></b>				
11 53 13 11-0053	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5448-00) ..... Note: Includes material and installation	6,917.61	
11 53 13 11-0054	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5448-00) ..... Note: Includes material and installation	7,359.13	
11 53 13 11-0055	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5448-00) ..... Note: Includes material and installation	9,275.98	
11 53 13 11-0056	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5448-00) ..... Note: Includes material and installation	6,524.55	
11 53 13 11-0057	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5460-00) ..... Note: Includes material and installation	7,465.47	
11 53 13 11-0058	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5460-00) ..... Note: Includes material and installation	7,841.03	
11 53 13 11-0059	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5460-00) ..... Note: Includes material and installation	9,901.91	
11 53 13 11-0060	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5460-00) ..... Note: Includes material and installation	6,945.88	
11 53 13 11-0061	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5472-00) ..... Note: Includes material and installation	8,044.29	
11 53 13 11-0062	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5472-00) ..... Note: Includes material and installation	8,605.62	

**11 Equipment****11 50 Educational and Scientific Equipment****11 53 Laboratory Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
11 53 13 11-0063	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5472-00) ..... Note: Includes material and installation	10,898.03		
11 53 13 11-0064	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5472-00) ..... Note: Includes material and installation	7,609.50		
11 53 13 11-0065	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5448B00)..... Note: Includes material and installation	7,023.95		
11 53 13 11-0066	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5448B00)..... Note: Includes material and installation	7,485.66		
11 53 13 11-0067	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5448B00)..... Note: Includes material and installation	9,441.55		
11 53 13 11-0068	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5448B00) ..... Note: Includes material and installation	6,636.27		
11 53 13 11-0069	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5460B00)..... Note: Includes material and installation	7,590.66		
11 53 13 11-0070	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5460B00)..... Note: Includes material and installation	7,976.99		
11 53 13 11-0071	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5460B00)..... Note: Includes material and installation	10,080.94		
11 53 13 11-0072	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5460B00) ..... Note: Includes material and installation	7,064.33		
11 53 13 11-0073	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5472B00)..... Note: Includes material and installation	8,174.87		
11 53 13 11-0074	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5472B00)..... Note: Includes material and installation	8,755.03		
11 53 13 11-0075	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5472B00)..... Note: Includes material and installation	11,093.21		
11 53 13 11-0076	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5472B00) ..... Note: Includes material and installation	7,740.08		
11 53 13 11-0077		<b>ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash (Kewaunee Scientific H09) <sup>(11 53 13 11-0001)</sup></b>			
11 53 13 11-0078	EA	4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5448B00) ..... Note: Includes material and installation	9,428.08		
11 53 13 11-0079	EA	4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5448B00)..... Note: Includes material and installation	10,250.55		
11 53 13 11-0080	EA	4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5448B00)..... Note: Includes material and installation	13,034.29		
11 53 13 11-0081	EA	4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5448B00)..... Note: Includes material and installation	9,039.06		
11 53 13 11-0082	EA	5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5460B00) ..... Note: Includes material and installation	10,192.67		
11 53 13 11-0083	EA	5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5460B00)..... Note: Includes material and installation	10,977.45		
11 53 13 11-0084	EA	5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5460B00)..... Note: Includes material and installation	13,980.59		
11 53 13 11-0085	EA	5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5460B00)..... Note: Includes material and installation	9,673.07		
11 53 13 11-0086	EA	6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5472B00) ..... Note: Includes material and installation	10,842.84		
11 53 13 11-0087	EA	6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5472B00)..... Note: Includes material and installation	11,825.49		
11 53 13 11-0088	EA	6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5472B00)..... Note: Includes material and installation	15,084.40		
11 53 13 11-0089	EA	6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5472B00)..... Note: Includes material and installation	10,410.74		
11 53 13 11-0090		<b>Isotope Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H20) <sup>(11 53 13 11-0001)</sup></b>			
11 53 13 11-0091	EA	4' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5448-00) ..... Note: Includes material and installation	14,217.51		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0092	EA		5' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5460-00) ..... Note: Includes material and installation	15,780.33	
11 53 13 11-0093	EA		6' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5472-00) ..... Note: Includes material and installation	16,648.56	
11 53 13 11-0094	EA		8' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5496-00) ..... Note: Includes material and installation	22,512.18	
11 53 13 11-0095	EA		4' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5448B00) ..... Note: Includes material and installation	14,337.31	
11 53 13 11-0096	EA		5' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5460B00) ..... Note: Includes material and installation	15,900.13	
11 53 13 11-0097	EA		6' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5472B00) ..... Note: Includes material and installation	16,776.44	
11 53 13 11-0098	EA		8' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5496B00) ..... Note: Includes material and installation	22,656.21	
<b>11 53 13 11-0099</b>			<b>Perchloric Acid Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H25)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0100	EA		4' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5448-00) ..... Note: Includes material and installation	18,782.13	
11 53 13 11-0101	EA		5' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5460-00) ..... Note: Includes material and installation	18,846.75	
11 53 13 11-0102	EA		6' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5472-00) ..... Note: Includes material and installation	20,908.97	
<b>11 53 13 11-0103</b>			<b>HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash (Kewaunee Scientific HOPEC)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0104	EA		4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5448B00) ..... Note: Includes material and installation	9,744.42	
11 53 13 11-0105	EA		4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5448B00) ..... Note: Includes material and installation	10,179.21	
11 53 13 11-0106	EA		4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5448B00) ..... Note: Includes material and installation	12,244.13	
11 53 13 11-0107	EA		4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5448B00) ..... Note: Includes material and installation	9,352.70	
11 53 13 11-0108	EA		5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5460B00) ..... Note: Includes material and installation	10,622.08	
11 53 13 11-0109	EA		5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5460B00) ..... Note: Includes material and installation	11,056.87	
11 53 13 11-0110	EA		5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5472B00) ..... Note: Includes material and installation	13,133.90	
11 53 13 11-0111	EA		5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5460B00) ..... Note: Includes material and installation	10,102.48	
11 53 13 11-0112	EA		6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5472B00) ..... Note: Includes material and installation	11,347.62	
11 53 13 11-0113	EA		6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5472B00) ..... Note: Includes material and installation	11,778.38	
11 53 13 11-0114	EA		6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5472B00) ..... Note: Includes material and installation	13,767.91	
11 53 13 11-0115	EA		6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5472B00) ..... Note: Includes material and installation	10,911.49	
11 53 13 11-0116	EA		8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5496B00) ..... Note: Includes material and installation	14,780.18	
11 53 13 11-0117	EA		8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5496B00) ..... Note: Includes material and installation	15,213.62	
11 53 13 11-0118	EA		8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5496B00) ..... Note: Includes material and installation	18,507.53	
11 53 13 11-0119	EA		8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5496B00) ..... Note: Includes material and installation	14,022.32	

**11 Equipment**

**11 50 Educational and Scientific Equipment**

**11 53 Laboratory Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
11 53 13 11-0120		<b>General Purpose Walk-In Fume Hood With Vertical Rising Sash (Kewaunee Scientific H30)</b> <small>(11 53 13 11-0001)</small>			
11 53 13 11-0121	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9048-00).....	14,315.77		
		Note: Includes material and installation			
11 53 13 11-0122	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9048-00).....	14,743.83		
		Note: Includes material and installation			
11 53 13 11-0123	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9048-00).....	18,344.65		
		Note: Includes material and installation			
11 53 13 11-0124	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9048-00).....	13,448.89		
		Note: Includes material and installation			
11 53 13 11-0125	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9060-00).....	15,255.35		
		Note: Includes material and installation			
11 53 13 11-0126	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9060-00).....	15,688.80		
		Note: Includes material and installation			
11 53 13 11-0127	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9060-00).....	20,369.19		
		Note: Includes material and installation			
11 53 13 11-0128	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9060-00).....	14,264.62		
		Note: Includes material and installation			
11 53 13 11-0129	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9072-00).....	16,188.20		
		Note: Includes material and installation			
11 53 13 11-0130	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9072-00).....	16,617.60		
		Note: Includes material and installation			
11 53 13 11-0131	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9072-00).....	21,827.01		
		Note: Includes material and installation			
11 53 13 11-0132	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9072-00).....	15,795.14		
		Note: Includes material and installation			
11 53 13 11-0133	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9096-00).....	20,665.33		
		Note: Includes material and installation			
11 53 13 11-0134	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9096-00).....	21,101.46		
		Note: Includes material and installation			
11 53 13 11-0135	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9096-00).....	28,297.71		
		Note: Includes material and installation			
11 53 13 11-0136	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9096-00).....	19,640.95		
		Note: Includes material and installation			
11 53 13 11-0137	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9048B00).....	14,426.15		
		Note: Includes material and installation			
11 53 13 11-0138	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9048B00).....	14,851.52		
		Note: Includes material and installation			
11 53 13 11-0139	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9048B00).....	18,455.03		
		Note: Includes material and installation			
11 53 13 11-0140	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9048B00).....	13,557.92		
		Note: Includes material and installation			
11 53 13 11-0141	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9060B00).....	15,377.85		
		Note: Includes material and installation			
11 53 13 11-0142	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9060B00).....	15,809.94		
		Note: Includes material and installation			
11 53 13 11-0143	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9060B00).....	20,493.03		
		Note: Includes material and installation			
11 53 13 11-0144	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9060B00).....	14,388.46		
		Note: Includes material and installation			
11 53 13 11-0145	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9072B00).....	16,317.42		
		Note: Includes material and installation			
11 53 13 11-0146	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9072B00).....	16,748.18		
		Note: Includes material and installation			
11 53 13 11-0147	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9072B00).....	21,957.58		
		Note: Includes material and installation			
11 53 13 11-0148	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9072B00).....	15,927.06		
		Note: Includes material and installation			
11 53 13 11-0149	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9096B00).....	20,803.98		
		Note: Includes material and installation			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0150	EA		8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9096B00).....	21,241.46	
			Note: Includes material and installation		
11 53 13 11-0151	EA		8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9096B00).....	28,436.36	
			Note: Includes material and installation		
11 53 13 11-0152	EA		8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9096B00).....	19,782.29	
			Note: Includes material and installation		
<b>11 53 13 11-0153</b>			<b>Stand Alone, TruView® Teaching Hoods (Kewaunee Scientific T90)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0154	EA		4' Wide, Stand Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3048-SA).....	11,669.34	
			Note: Includes material and installation		
11 53 13 11-0155	EA		5' Wide, Stand Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3060-SA).....	13,302.16	
			Note: Includes material and installation		
11 53 13 11-0156	EA		6' Wide, Stand Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3072-SA).....	14,416.73	
			Note: Includes material and installation		
11 53 13 11-0157	EA		4' Wide, Stand Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6048-SA).....	20,596.68	
			Note: Includes material and installation		
11 53 13 11-0158	EA		5' Wide, Stand Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6060-SA).....	23,586.36	
			Note: Includes material and installation		
11 53 13 11-0159	EA		6' Wide, Stand Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6072-SA).....	25,091.30	
			Note: Includes material and installation		
<b>11 53 13 11-0160</b>			<b>Options For Fume Hoods (Kewaunee Scientific)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0161	EA		Single Point Adjustable Baffles (Kewaunee Scientific Option C).....	310.95	
			Note: Includes material and installation		
11 53 13 11-0162	EA		Fire Extinguisher (Kewaunee Scientific Option E).....	1,346.10	
			Note: Includes material and installation		
11 53 13 11-0163	EA		Stainless Steel Lower Deflector Vane (Kewaunee Scientific Option O).....	223.45	
			Note: Includes material and installation		
11 53 13 11-0164	EA		4' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-48B).....	916.69	
			Note: Includes material and installation		
11 53 13 11-0165	EA		5' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-60B).....	1,071.50	
			Note: Includes material and installation		
11 53 13 11-0166	EA		6' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-72B).....	1,235.72	
			Note: Includes material and installation		
11 53 13 11-0167	EA		8' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-96B).....	1,599.17	
			Note: Includes material and installation		
11 53 13 11-0168	EA		4' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-48B).....	916.69	
			Note: Includes material and installation		
11 53 13 11-0169	EA		5' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-60B).....	1,071.50	
			Note: Includes material and installation		
11 53 13 11-0170	EA		6' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-72B).....	1,235.72	
			Note: Includes material and installation		
11 53 13 11-0171	EA		4' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-48B).....	916.69	
			Note: Includes material and installation		
11 53 13 11-0172	EA		5' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-60B).....	1,071.50	
			Note: Includes material and installation		
11 53 13 11-0173	EA		6' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-72B).....	1,235.72	
			Note: Includes material and installation		
11 53 13 11-0174	EA		8' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-96B).....	1,599.17	
			Note: Includes material and installation		
11 53 13 11-0175	EA		4' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-48B).....	957.08	
			Note: Includes material and installation		
11 53 13 11-0176	EA		5' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-60B).....	1,118.61	
			Note: Includes material and installation		
11 53 13 11-0177	EA		6' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-72B).....	1,293.60	
			Note: Includes material and installation		
11 53 13 11-0178	EA		8' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-96B).....	1,674.55	
			Note: Includes material and installation		
11 53 13 11-0179	EA		Black Poly Cupsink (Kewaunee Scientific 0491-BP).....	119.80	
			Note: Includes material and installation		
11 53 13 11-0180	EA		Stainless Steel Cupsink (Kewaunee Scientific 0950-0F).....	1,126.69	
			Note: Includes material and installation		
11 53 13 11-0181	EA		Air Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3A-I).....	429.41	
			Note: Includes material and installation		
11 53 13 11-0182	EA		Gas Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3G-I).....	429.41	
			Note: Includes material and installation		
11 53 13 11-0183	EA		Vacuum Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3V-I).....	429.41	
			Note: Includes material and installation		
11 53 13 11-0184	EA		Steam Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3S-I).....	479.21	
			Note: Includes material and installation		
11 53 13 11-0185	EA		Cold Water Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3W-I).....	479.21	
			Note: Includes material and installation		
11 53 13 11-0186	EA		Distilled Water Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3D-I).....	710.74	
			Note: Includes material and installation		

**11 Equipment****11 50 Educational and Scientific Equipment****11 53 Laboratory Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
11 53 13 11-0187	EA	Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 27-3/4" Long Handle (Kewaunee Scientific W-0864-3WV-I).....		726.89	
		Note: Includes material and installation			
11 53 13 11-0188	EA	Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 12-1/2" Long Handle (Kewaunee Scientific W-0864-3WVA-I).....		745.74	
		Note: Includes material and installation			
11 53 13 11-0189	EA	Hot And Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 27-3/4" Long Handle (Kewaunee Scientific W-0868-3WV-I).....		1,157.65	
		Note: Includes material and installation			
11 53 13 11-0190	EA	Hot And Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 12-1/2" Long Handle (Kewaunee Scientific W-0868-3WVA-I).....		1,202.07	
		Note: Includes material and installation			
<b>11 53 13 11-0191</b>		<b>Base Cabinets For Fume Hoods (Kewaunee Scientific)</b> <small>(11 53 13 11-0001)</small>			
11 53 13 11-0192	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3724-0).....		842.66	
		Note: Includes material and installation			
11 53 13 11-0193	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3730-0).....		1,027.07	
		Note: Includes material and installation			
11 53 13 11-0194	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3736-0).....		1,080.92	
		Note: Includes material and installation			
11 53 13 11-0195	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3748-0).....		1,115.92	
		Note: Includes material and installation			
11 53 13 11-0196	EA	60" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3760-0).....		1,218.22	
		Note: Includes material and installation			
11 53 13 11-0197	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3624-0).....		842.66	
		Note: Includes material and installation			
11 53 13 11-0198	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3630-0).....		1,027.07	
		Note: Includes material and installation			
11 53 13 11-0199	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3636-0).....		1,088.99	
		Note: Includes material and installation			
11 53 13 11-0200	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3648-0).....		1,115.92	
		Note: Includes material and installation			
11 53 13 11-0201	EA	60" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3660-0).....		1,218.22	
		Note: Includes material and installation			
11 53 13 11-0202	EA	15" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3115-0).....		848.04	
		Note: Includes material and installation			
11 53 13 11-0203	EA	18" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3118-0).....		897.85	
		Note: Includes material and installation			
11 53 13 11-0204	EA	21" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3121-0).....		936.89	
		Note: Includes material and installation			
11 53 13 11-0205	EA	24" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3124-0).....		949.00	
		Note: Includes material and installation			
11 53 13 11-0206	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3724-01).....		2,051.46	
		Note: Includes material and installation			
11 53 13 11-0207	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3730-01).....		2,711.05	
		Note: Includes material and installation			
11 53 13 11-0208	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3736-01).....		2,833.54	
		Note: Includes material and installation			
11 53 13 11-0209	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3748-01).....		3,237.37	
		Note: Includes material and installation			
11 53 13 11-0210	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3724-0).....		1,622.05	
		Note: Includes material and installation			
11 53 13 11-0211	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3730-0).....		1,884.54	
		Note: Includes material and installation			
11 53 13 11-0212	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3736-0).....		1,916.85	
		Note: Includes material and installation			
11 53 13 11-0213	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3748-0).....		2,029.92	
		Note: Includes material and installation			
11 53 13 11-0214	EA	60" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3760-0).....		2,223.76	
		Note: Includes material and installation			
11 53 13 11-0215	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3724-0).....		1,460.52	
		Note: Includes material and installation			
11 53 13 11-0216	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3730-0).....		1,653.01	
		Note: Includes material and installation			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 53 13 11-0217	EA		36" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3736-0).....	1,718.97	
			Note: Includes material and installation		
11 53 13 11-0218	EA		48" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3748-0).....	1,828.00	
			Note: Includes material and installation		
11 53 13 11-0219	EA		60" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3760-0).....	1,969.34	
			Note: Includes material and installation		

**11 53 13 11-0220 Filters And Housing For Fume Hoods (Kewaunee Scientific)** (11 53 13 11-0001)

11 53 13 11-0221	EA		Painted CRS Filter Housing (Kewaunee Scientific X-016869).....	1,329.95	
			Note: Includes material and installation		
11 53 13 11-0222	EA		Stainless Steel Filter Housing (Kewaunee Scientific X-016868).....	15,519.19	
			Note: Includes material and installation		
11 53 13 11-0223	EA		High Efficiency Filter (Kewaunee Scientific 0864-00).....	1,329.95	
			Note: Includes material and installation		
11 53 13 11-0224	EA		Charcoal Absorber (Kewaunee Scientific 0855-00).....	15,519.19	
			Note: Includes material and installation		
11 53 13 11-0225	EA		Pre-filter (Kewaunee Scientific 0863-00).....	99.61	
			Note: Includes material and installation		

**11 53 13 11-0226 Centrifugal Fans For Fume Hoods (Kewaunee Scientific)** (11 53 13 11-0001)

11 53 13 11-0227	EA		1/4 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0902-T1).....	3,590.05	
			Note: Includes material and installation		
11 53 13 11-0228	EA		1/3 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0903-T1).....	3,689.66	
			Note: Includes material and installation		
11 53 13 11-0229	EA		1/2 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0905-T1).....	3,739.47	
			Note: Includes material and installation		
11 53 13 11-0230	EA		3/4 HP, Single-Phase, 10" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1008-T1).....	4,134.55	
			Note: Includes material and installation		
11 53 13 11-0231	EA		1 HP, Single-Phase, 13" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1310-T1).....	4,529.63	
			Note: Includes material and installation		
11 53 13 11-0232	EA		1-1/2 HP, Single-Phase, 14-1/2" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1415-T1).....	6,495.61	
			Note: Includes material and installation		
11 53 13 11-0233	EA		2 HP, Single-Phase, 16-1/8" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1620-T1).....	8,461.58	
			Note: Includes material and installation		

**11 53 13 11-0234 Exhaust Stacks And Adapters For Fume Hoods (Kewaunee Scientific)** (11 53 13 11-0001)

11 53 13 11-0235	EA		6-9/16" Diameter x 99-1/8" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00).....	597.67	
			Note: Includes material and installation		
11 53 13 11-0236	EA		8-1/16" Diameter x 97-7/8" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00).....	655.55	
			Note: Includes material and installation		
11 53 13 11-0237	EA		9-11/16" Diameter x 92-1/2" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00).....	667.67	
			Note: Includes material and installation		
11 53 13 11-0238	EA		10-13/16" Diameter x 91-1/4" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00).....	734.97	
			Note: Includes material and installation		
11 53 13 11-0239	EA		11-11/16" Diameter x 90-3/4" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00).....	809.06	
			Note: Includes material and installation		
11 53 13 11-0240	EA		6-9/16" Diameter x 10-13/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-0912-00).....	856.12	
			Note: Includes material and installation		
11 53 13 11-0241	EA		8-1/16" Diameter x 11-13/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1012-00).....	931.50	
			Note: Includes material and installation		
11 53 13 11-0242	EA		9-11/16" Diameter x 13-5/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1312-00).....	1,021.69	
			Note: Includes material and installation		
11 53 13 11-0243	EA		10-13/16" Diameter x 14-11/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1412-00).....	1,072.84	
			Note: Includes material and installation		
11 53 13 11-0244	EA		11-11/16" Diameter x 16-15/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1612-00).....	1,093.03	
			Note: Includes material and installation		
11 53 13 11-0245	EA		11-15/16" Diameter x 9-1/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1209-00).....	663.63	
			Note: Includes material and installation		
11 53 13 11-0246	EA		11-15/16" Diameter x 10-1/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1210-00).....	685.16	
			Note: Includes material and installation		
11 53 13 11-0247	EA		11-15/16" Diameter x 13-5/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1213-00).....	698.63	
			Note: Includes material and installation		
11 53 13 11-0248	EA		11-15/16" Diameter x 14-9/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1214-00).....	726.89	
			Note: Includes material and installation		
11 53 13 11-0249	EA		11-15/16" Diameter x 16-3/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1216-00).....	787.47	
			Note: Includes material and installation		

**11 53 13 11-0250 Biological Fume Hoods And Cabinets** (11 53 13 11)

Note: VWR scientific or approved equal. VWR model number listed for reference. Equipment set in place and final connections. Excludes piping, ductwork and electrical rough-ins. Other accepted manufactures include NuAire, Forma and Baker or equal.

**11 53 13 11-0251 Purifier® Logic® Class II, Type A2 Biosafety Cabinets (VWR 9700)** (11 53 13 11-0250)

Note: Includes two high efficiency particulate air (HEPA) filters, fluorescent lighting, UV lamp, 8" or 10" sash, LCD information center and service fixtures. Excludes base stand.

11 53 13 11-0252	EA		3' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700).....	13,123.62	962.84
11 53 13 11-0253	EA		4' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700).....	14,561.73	962.84
11 53 13 11-0254	EA		5' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700).....	17,246.57	1,091.11
11 53 13 11-0255	EA		6' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700).....	18,197.77	1,091.11

<b>11</b>	<b>11 Equipment</b>
	<b>11 50 Educational and Scientific Equipment</b>
	<b>11 53 Laboratory Equipment</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 53 13 11-0256			<b>Base Stands For Purifier® Logic® Biosafety Cabinets (VWR)</b> <small>(11 53 13 11-0250)</small>		
			Note: ADA compliant. Includes epoxy coating.		
11 53 13 11-0257	EA		3' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR)	1,155.14	141.23
11 53 13 11-0258	EA		4' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR)	1,278.55	179.76
11 53 13 11-0259	EA		5' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR)	1,376.43	218.28
11 53 13 11-0260	EA		6' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR)	1,533.96	256.79

**11 53 39 Laboratory Cooling Chillers** (11 53)

11 53 39 00-0001			<b>Recirculating Chiller</b> <small>(11 53 39)</small>		
11 53 39 00-0002	EA		Recirculating Chiller With Pump 1 HP, 115 Volt, 60 Hertz (Thermo Scientific NESLAB Thermoflex 1400)	6,258.98	
11 53 39 00-0003	EA		Recirculating Chiller With Pump 2 HP, 115 Volt, 60 Hertz (Thermo Scientific NESLAB Thermoflex 1400)	6,879.56	
11 53 39 00-0004	EA		Recirculating Chiller With Pump 1 HP, 208 Volt, 60 Hertz (Thermo Scientific NESLAB Thermoflex 2500)	7,389.06	
11 53 39 00-0005	EA		Recirculating Chiller With Pump 2 HP, 208 Volt, 60 Hertz (Thermo Scientific NESLAB Thermoflex 2500)	8,009.64	

**11 60 Entertainment and Recreation Equipment** (11)

**11 61 Broadcast, Theater, and Stage Equipment** (11 60)

**11 61 23 Folding and Portable Stages** (11 61)

11 61 23 00-0001			<b>Roll Out Stage, Steel Frame, Wood Floor</b> <small>(11 61 23)</small>		
11 61 23 00-0002	SF		Roll Out Stage, Manual With Steel Frame And Wood Floor	72.68	5.28
11 61 23 00-0003	SF		Roll Out Stage, Electric With Steel Frame And Wood Floor	99.38	5.85

**11 61 23 00-0004 Portable Stages, With Steps, Folding Legs, Stock Design** (11 61 23)

Note: A heavy-gauge steel frame supports the solid plywood deck. Supports 200 pounds per square foot and folds to less than two inches high for storage and transport.

11 61 23 00-0005	SF		Portable Stage, 8" High Hardwood Deck With Steps And Folding Legs	24.57	1.89
11 61 23 00-0006	SF		Portable Stage, 16" High Hardwood Deck With Steps And Folding Legs	27.04	2.08
11 61 23 00-0007	SF		Portable Stage, 24" High Hardwood Deck With Steps And Folding Legs	28.10	2.26
11 61 23 00-0008	SF		Portable Stage, 32" High Hardwood Deck With Steps And Folding Legs	28.95	2.36
11 61 23 00-0009	SF		Portable Stage, 48" High Hardwood Deck With Steps And Folding Legs	31.05	2.51

**11 61 23 00-0010 Telescoping Platforms, Aluminum** (11 61 23)

11 61 23 00-0011	SF		Telescoping Platforms, Aluminum Straight, Minimum	78.76	4.53
11 61 23 00-0012	SF		Telescoping Platforms, Aluminum Straight	91.85	4.53
11 61 23 00-0013	SF		Telescoping Platforms, Aluminum Pie Shaped, Minimum	93.61	7.54
11 61 23 00-0014	SF		Telescoping Platforms, Aluminum Pie Shaped	109.97	7.54

**11 61 23 00-0015 Band Risers, Steel Frame, Plywood Deck** (11 61 23)

11 61 23 00-0016	SF		8" High Band Risers, Steel Frame Wood Deck	36.54	1.89
11 61 23 00-0017	SF		12" High Band Risers, Steel Frame Wood Deck	39.04	1.89
11 61 23 00-0018	SF		16" High Band Risers, Steel Frame Wood Deck	40.99	1.89
11 61 23 00-0019	SF		24" High Band Risers, Steel Frame Wood Deck	43.54	1.89

**11 61 23 00-0020 Chairs For Risers, Self Storing** (11 61 23)

11 61 23 00-0021	EA		Chairs For Risers, Self Storing	92.49	3.77
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**11 66 Athletic Equipment** (11 60)

**11 66 13 Exercise Equipment** (11 66)

**11 66 13 00-0001 Fitness Systems** (11 66 13)

**11 66 13 00-0002 Components For Physical Fitness Activities** (11 66 13 00-0001)

11 66 13 00-0003	EA		Sit And Reach	987.16	96.41
11 66 13 00-0004	EA		Isometric Squat	369.49	38.57
11 66 13 00-0005	EA		Log Jump	2,344.03	154.24
11 66 13 00-0006	EA		Step Up	551.42	77.12
11 66 13 00-0007	EA		Hip Rotation	2,553.70	134.97
11 66 13 00-0008	EA		Body Curl	959.63	77.12
11 66 13 00-0009	EA		Horizontal Ladder	3,083.22	154.24
11 66 13 00-0010	EA		Chin Up	2,355.06	154.24
11 66 13 00-0011	EA		Push Up	1,428.52	77.12
11 66 13 00-0012	EA		Leg Raise	2,002.13	115.69
11 66 13 00-0013	EA		Log Hop	899.06	38.57
11 66 13 00-0014	EA		Parallel Bar	1,927.66	115.69
11 66 13 00-0015	EA		Leg Stretch	827.23	77.12
11 66 13 00-0016	EA		Balance Beam	736.28	57.84
11 66 13 00-0017	EA		Log Roll	2,277.99	96.41

**11 66 13 00-0018 Wall Mounted Equipment** (11 66 13)

11 66 13 00-0019	SET		Parallel Bars, Wall Mounted	3,342.06	548.86
11 66 13 00-0020	EA		Exercise Ladder, Wall Mounted	2,267.22	11.43

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 66 13 00-0021	EA	3'-6" Wide Chin Up Bar, Wall Mounted .....	274.73	22.87
11 66 13 00-0022	EA	10" Wide Chin Up Bar, Wall Mounted .....	541.37	34.30

**11 66 23    Gymnasium Equipment** (11 66)

**11 66 23 13    Basketball Equipment** (11 66 23)

**11 66 23 13-0001    Basketball Equipment** (11 66 23 13)

11 66 23 13-0002	EA	4' To 6' Extention, Wall Mounted, Stationary Basketball Backstop System With 54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 312F46) .....	4,193.04	823.28
		Note: Includes rim and net.		
		For Glass Backstop, Add	500.00	
		For Fiberglass Backstop, Add	200.00	
11 66 23 13-0003	EA	6' Ceiling Mounted Basketball Backstop Wood, Fixed Type, With Support Structure .....	5,059.03	823.28
		Note: Includes rim and net.		
		For Glass Backstop, Add	500.00	
		For Fiberglass Backstop, Add	200.00	
11 66 23 13-0004	EA	Ceiling Mounted Basketball Backstop Wood, Swing-up Type (Either Forward Or Backward), With Support Structure .....	6,205.94	1,097.71
		Note: Includes rim and net.		
		For Glass Backstop, Add	500.00	
		For Electrically Operated, Add	2,122.14	
		For Fiberglass Backstop, Add	200.00	
11 66 23 13-0005	EA	72" x 42" x 1/2", Center-Strut® Rectangular Glass Backboard (Porter Athletic 00208-00) .....	1,641.03	228.69
		Note: For indoor use. Includes fully tempered glass.		
11 66 23 13-0006	EA	48" Recreational Backboard Pad (Porter Athletic 00324-648) .....	274.45	22.87
11 66 23 13-0007	EA	54" Recreational Backboard Pad (Porter Athletic 00324-654) .....	314.28	27.44
11 66 23 13-0008	EA	72" Recreational Backboard Pad (Porter Athletic 00324-672) .....	354.13	32.02
11 66 23 13-0009	EA	Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120).....	33.43	9.15

**11 66 23 23    Volleyball Equipment** (11 66 23)

11 66 23 23-0001	EA	Economy End Upright Padding, Each, Wrap Around Pads Only .....	613.27	57.33
		Note: Porter Athletic model # 717-003.		
11 66 23 23-0002	EA	Net Tension Cover Pads, 1 Pair.....	137.98	12.90
		Note: Porter Athletic model # 00816-003.		
11 66 23 23-0003	EA	32' L x 39" H Power Volleyball Net.....	452.28	42.29
		Note: Porter Athletic model # 02255-000.		
11 66 23 23-0004	EA	White Polyester Reinforced Boundary Markers, One Pair .....	78.41	4.12
		Note: Porter Athletic model # 02297-000.		
11 66 23 23-0005	EA	Power-Line Net Antenna, One Pair .....	268.53	8.69
		Note: Porter Athletic model # 02296-100.		
11 66 23 23-0006	EA	32' x 39" Power-Line Competition Volleyball Net .....	508.92	41.16
		Note: Porter Athletic model # 02295-640.		
11 66 23 23-0007	EA	Competition Center Standard Padding, Standard Red .....	490.88	18.30
		Note: Porter Athletic model # 00839-103.		
		For Colors Other Than Standard Red, Add	22.00	
		Note: Other colors include sky blue, royal blue, white, orange, yellow, beige, gray, maroon, purple, black, navy, kelly green, dark green.		
11 66 23 23-0008	EA	Judge's Stand, Attaches To Standard.....	988.97	45.74
		Note: Porter Athletic model # 00889-100.		
11 66 23 23-0009	EA	Judge's Stand Padding .....	699.47	22.87
		Note: Porter Athletic model # 00993-103.		
		For Colors Other Than Standard Red, Add	30.00	
		Note: Other colors include sky blue, royal blue, white, orange, yellow, beige, gray, maroon, purple, black, navy, kelly green, dark green.		
11 66 23 23-0010	EA	Power-Line Aluminum Uprights, One Pair.....	2,824.59	45.74
		Note: Porter Athletic model # 01991-000.		
11 66 23 23-0011	EA	2-3/8" Round Ground/Floor Sleeve .....	163.36	4.12
		Note: Porter Athletic model # 00402-000.		
11 66 23 23-0012	EA	3-1/2" Round Ground/Floor Sleeve .....	189.22	4.12
		Note: Porter Athletic model # 00403-000.		
11 66 23 23-0013	EA	4" Round Ground/Floor Sleeve .....	203.99	4.12
		Note: Porter Athletic model # 00404-000.		

**11 66 23 53    Wall Padding** (11 66 23)

**11 66 23 53-0001    Gymnasium Wall Padding** (11 66 23 53)

Note: Includes wall padding, 7/16" thick oriented strand board backing with or without nailing strip, vinyl cover and mounting screws. Excludes removable wall attachment fittings. See CSI section 11 66 23 53-0008 for wall attachment fittings.

11 66 23 53-0002	SF	2" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe) .....	11.58	1.73
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	5.52	
11 66 23 53-0003	SF	3" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe) .....	15.60	1.90
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	5.52	
11 66 23 53-0004	SF	2" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe) .....	18.42	1.73
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	5.52	
11 66 23 53-0005	SF	3" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe) .....	28.66	1.90
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	5.52	
11 66 23 53-0006	SF	2" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe).....	23.42	1.73
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	5.52	
11 66 23 53-0007	SF	3" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe).....	34.64	1.90
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	5.52	

**11 66 23 53-0008    Gymnasium Wall Padding Accessories** (11 66 23 53)

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 66 Athletic Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 66 23 53-0009	LF		"Z" Wall/Panel Attachment Clips For Wall Pads.....8.50 Note: Extruded aluminum. Typically requires two clips mounted to wall and two clips mounted to panel for a 6' high wall pad.	8.50	2.52
11 66 23 53-0010	LF		Molding Channel Wall Attachment For Wall Pads.....12.29 Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Can be used with "Z" clip to secure top of pad.	12.29	2.52
11 66 23 53-0011	LF		Floor Molding Channel Wall Attachment For Wall Pads.....12.73 Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Provides contoured molding strip from panel to the floor.	12.73	2.52
11 66 23 53-0012	EA		Single Or Double Gang Molded Inserts For Electrical Outlets .....43.68	43.68	
<b>11 66 43 Interior Scoreboards (11 66)</b>					
<b>11 66 43 00-0001 Scoreboards And Shot Clocks (11 66 43)</b>					
11 66 43 00-0002	EA		8' x 3' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2700) .....3,802.22 Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls. For Scoreboard Only, No Controls, Deduct -321.00 For Control Carrying Case, Add 59.00 For Wireless Controls, Add 637.00	3,802.22	289.38
11 66 43 00-0003	EA		8' x 6' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2750) .....5,569.41 Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls. For Scoreboard Only, No Controls, Deduct -321.00 For Control Carrying Case, Add 59.00 For Wireless Controls, Add 637.00	5,569.41	482.30
11 66 43 00-0004	EA		12' x 8' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2760) .....8,678.35 Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls. For Scoreboard Only, No Controls, Deduct -321.00 For Control Carrying Case, Add 59.00 For Wireless Controls, Add 637.00	8,678.35	578.76
11 66 43 00-0005	EA		9' Long x 5' High x 4" Deep Indoor Multi-Sport Scoreboard (Fair-Play BB-1620-4) .....6,532.03	6,532.03	482.30
11 66 43 00-0006	EA		1.66' Long x 1.41' High x 6.5" Deep Shot Clock Set (Fair-Play ST-1410-4) .....2,714.69 Note: Set includes two shot clocks.	2,714.69	192.92
<b>11 66 53 Gymnasium Dividers (11 66)</b>					
<b>11 66 53 11 Gymnasium Dividers (11 66 53)</b>					
11 66 53 11-0001			<b>Gymnasium Dividers (11 66 53 11)</b>		
11 66 53 11-0002	SF		Gym Divider, Manual Mesh Top And Vinyl Bottom .....6.04	6.04	1.05
11 66 53 11-0003	SF		Gym Divider, Electric Roll Up Mesh Top And Vinyl Bottom.....10.34	10.34	1.05
<b>11 68 Play Field Equipment and Structures (11 60)</b>					
<b>11 68 13 Playground Equipment (11 68)</b>					
See CSI section 32 31 13 13-0001 for augering holes and fill for posts.					
11 68 13 00-0001			<b>Standalone Playground Equipment (11 68 13)</b>		
11 68 13 00-0002			<b>Ground Socket For Movable Posts (11 68 13 00-0001)</b>		
11 68 13 00-0003	PR		Ground Socket For 2-3/8" Post For Playground Equipment.....218.04	218.04	51.19
11 68 13 00-0004	PR		Ground Socket For 3-1/2" Post For Playground Equipment.....319.36	319.36	51.19
11 68 13 00-0005			<b>See-Saws (11 68 13 00-0001)</b>		
11 68 13 00-0006			<b>Steel See-Saw (11 68 13 00-0005)</b>		
11 68 13 00-0007	EA		2 Unit Steel See-Saw .....1,771.58	1,771.58	315.04
11 68 13 00-0008	EA		4 Unit Steel See-Saw .....2,791.89	2,791.89	372.29
11 68 13 00-0009	EA		6 Unit Steel See-Saw .....3,836.67	3,836.67	455.04
11 68 13 00-0010			<b>14' Long Laminated Beam (11 68 13 00-0005)</b>		
11 68 13 00-0011	EA		Beam Is Supported By Two 12 In x 12 In Stepping Column Posts.....1,811.00	1,811.00	278.56
11 68 13 00-0012	EA		Beam Is Supported By Two 8 In x 8 In Posts .....1,277.85	1,277.85	248.15
11 68 13 00-0013			<b>Slides (11 68 13 00-0001)</b>		
11 68 13 00-0014	EA		8' Long x 4' High Slide With Stainless Steel Bed.....1,876.55	1,876.55	360.24
11 68 13 00-0015	EA		12' Long x 6' High Slide With Stainless Steel Bed.....2,648.72	2,648.72	511.92
11 68 13 00-0016	EA		16' Long x 8' High Slide With Stainless Steel Bed.....2,935.32	2,935.32	568.80
11 68 13 00-0017	EA		20' Long x 10' High Slide With Stainless Steel Bed.....3,602.33	3,602.33	630.08
11 68 13 00-0018	EA		6' High, 360 Degree One Piece Molded Polyethylene Slide.....7,334.10	7,334.10	991.15
11 68 13 00-0019	EA		7' High, 360 Degree Slide, Stainless Steel Bed .....10,117.66	10,117.66	1,022.48
11 68 13 00-0020	EA		9' High, 360 Degree Slide, Stainless Steel Bed .....12,575.00	12,575.00	1,074.65
11 68 13 00-0021			<b>Whirlers (11 68 13 00-0001)</b>		
11 68 13 00-0022	EA		8' Diameter Whirler .....4,675.64	4,675.64	682.56
11 68 13 00-0023	EA		10' Diameter Whirler.....5,444.70	5,444.70	819.08
11 68 13 00-0024			<b>Other Standalone Playground Equipment (11 68 13 00-0001)</b>		
11 68 13 00-0025			<b>Miscellaneous Standalone Playground Equipment (11 68 13 00-0024)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 68 13 00-0026	EA	Horizontal Ladder.....	1,462.68	185.49
11 68 13 00-0027	EA	Tether Ball Post.....	252.30	35.64
11 68 13 00-0028	PR	10'-6" Long Multiple Purpose Post.....	389.99	63.02
11 68 13 00-0029	EA	3-Person Fiberglass Golf Tee Shelter Turntable.....	2,707.49	178.07
11 68 13 00-0030	EA	Horizontal Turning Bars, 1 Bar.....	480.77	96.79
11 68 13 00-0031	EA	Horizontal Turning Bars, 2 Bars.....	643.25	115.69
11 68 13 00-0032	EA	Horizontal Turning Bars, 3 Bars.....	866.51	154.24
11 68 13 00-0033	EA	Horizontal Turning Bars, 5 Bars.....	1,261.19	212.09
11 68 13 00-0034	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole.....	1,262.20	88.31
11 68 13 00-0035	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole.....	1,388.85	95.33
11 68 13 00-0036	EA	Coil Spring With Single Riding Aluminum Saddle Devices.....	1,362.85	102.19
11 68 13 00-0037	EA	"C" Spring With Single Riding Aluminum Saddle Devices.....	1,357.96	87.92
11 68 13 00-0038	EA	Rubber Spring With Single Riding Aluminum Saddle Devices.....	1,675.35	115.14
11 68 13 00-0039	EA	Coil Spring Assembly Only.....	353.95	42.34
11 68 13 00-0040	EA	"C" Spring Assembly Only.....	235.23	28.23
11 68 13 00-0041	EA	Rubber Spring Assembly Only.....	219.62	55.06
11 68 13 00-0042	EA	Footbuck Assembly Only.....	61.17	7.40
11 68 13 00-0043	EA	Two Seat, Two Spring Action Cars (4'-8" x 2'-8").....	1,544.61	105.89

**11 68 13 00-0044 Freestanding Panels** (11 68 13 00-0024)  
 Note: Rotomolded polyethylene.

11 68 13 00-0045	EA	Tic-Tac-Toe Panel.....	657.84	45.35
11 68 13 00-0046	EA	24" Bubble Panel.....	985.48	67.95
11 68 13 00-0047	EA	Fire Engine Panel.....	1,446.21	99.72
11 68 13 00-0048	EA	Flat Mirror Panel.....	1,156.98	79.82
11 68 13 00-0049	EA	Wavy Mirror Panel.....	1,712.41	118.16
11 68 13 00-0050	EA	Paint Time Panel.....	1,110.89	76.67
11 68 13 00-0051	EA	Phone Time Panel.....	788.37	54.37
11 68 13 00-0052	EA	Phone Time With Graphic Panel.....	788.37	54.37
11 68 13 00-0053	EA	Race Time Panel.....	1,382.22	95.33
11 68 13 00-0054	EA	Rescue 911 Panel.....	1,402.08	95.33
11 68 13 00-0055	EA	Eastern/Central/Western States Panel.....	755.10	52.06
11 68 13 00-0056	EA	Career People Panel.....	857.48	59.16
11 68 13 00-0057	EA	Solar System Panel.....	857.48	59.16
11 68 13 00-0058	EA	Animals Panel.....	857.48	59.16

**11 68 13 00-0059 Freestanding Panels Uprights** (11 68 13 00-0024)

11 68 13 00-0060	EA	3-1/2" Outside Diameter End Panel Upright.....	209.70	25.45
11 68 13 00-0061	EA	3-1/2" Outside Diameter 90 Degree Upright.....	227.19	27.53
11 68 13 00-0062	EA	3-1/2" Outside Diameter 180 Degree Upright.....	227.19	27.53
11 68 13 00-0063	EA	3-1/2" Outside Diameter "T-Shaped" Upright.....	241.75	29.31

**11 68 13 00-0064 Coasters** (11 68 13 00-0024)

11 68 13 00-0065	EA	12' Single Metal Coaster With Four Posts.....	5,067.81	308.50
11 68 13 00-0066	EA	18' Single Metal Coaster With Four Posts.....	5,687.06	385.62
11 68 13 00-0067	EA	12' Double Metal Coaster With Four Posts.....	8,179.76	462.74
11 68 13 00-0068	EA	18' Double Metal Coaster With Four Posts.....	9,328.10	578.43

**11 68 13 00-0069 Climbers** (11 68 13 00-0024)

11 68 13 00-0070	EA	Tower Climber, 3.17' Diameter x 7.25' High.....	1,002.84	206.08
11 68 13 00-0071	EA	Arch Climber, 2' x 12' x 4.5' High.....	922.74	252.35
11 68 13 00-0072	EA	Arch Climber, 2' x 15' x 5.83' High.....	993.55	206.08
11 68 13 00-0073	EA	Arch Climber, 2' x 17' x 6.58' High.....	1,060.60	252.35
11 68 13 00-0074	EA	Rainbow Climber, 2' x 10'-5" x 4' High.....	1,128.96	205.85
11 68 13 00-0075	EA	Rainbow Climber, 2' x 10'-5" x 5' High.....	1,253.07	205.92
11 68 13 00-0076	EA	Rainbow Climber, 2' x 12'-5" x 6' High.....	1,443.18	205.92
11 68 13 00-0077	EA	Rainbow Climber, 2' x 15'-4" x 7' High.....	1,567.50	205.85
11 68 13 00-0078	EA	Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section.....	1,887.69	241.01
11 68 13 00-0079	EA	12' Long Horizontal Ladder Climber.....	1,523.09	176.93
11 68 13 00-0080	EA	14' Long Horizontal Ladder Climber.....	1,544.01	176.93
11 68 13 00-0081	EA	16' Long Horizontal Ladder Climber.....	1,682.52	176.93
11 68 13 00-0082	EA	Bell Climber, 7'-5" High With Double Bars.....	1,618.60	231.38
11 68 13 00-0083	EA	2-Way Climber.....	1,364.02	185.49
11 68 13 00-0084	EA	4-Way Climber.....	2,115.93	185.49

**11 68 13 00-0085 Swings** (11 68 13 00-0001)

**11 68 13 00-0086 Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail** (11 68 13 00-0085)

11 68 13 00-0087	EA	8' High Top Rail, One Section Two Seats.....	1,307.91	278.56
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add			150.22	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add			162.52	
11 68 13 00-0088	EA	8' High Top Rail, Two Sections Four Seats.....	2,076.55	398.61
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add			239.66	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add			263.85	
11 68 13 00-0089	EA	8' High Top Rail, Three Sections, Six Seats.....	2,876.64	586.55
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add			331.64	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add			363.71	
11 68 13 00-0090	EA	8' High Top Rail, Four Sections, Eight Seats.....	3,597.48	682.56
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add			415.55	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add			458.88	

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0091	EA		10' High Top Rail, One Section Two Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	1,388.04 160.23 176.55	278.56
11 68 13 00-0092	EA		10' High Top Rail, Two Section Four Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,178.52 250.51 272.20	424.55
11 68 13 00-0093	EA		10' High Top Rail, Three Sections, Six Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	3,019.00 345.97 371.30	659.27
11 68 13 00-0094	EA		10' High Top Rail, Four Sections, Eight Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	3,984.76 458.26 498.17	796.32
11 68 13 00-0095			<b>Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail</b> <small>(11 68 13 00-0095)</small> Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0096	EA		8' High Top Rail, One Section, Two Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	1,474.01 171.95 196.44	246.03
11 68 13 00-0097	EA		8' High Top Rail, Two Sections, Four Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,139.35 249.57 285.15	356.98
11 68 13 00-0098	EA		8' High Top Rail, Three Sections, Six Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,854.66 332.96 380.21	477.42
11 68 13 00-0099	EA		8' High Top Rail, Four Sections, Eight Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	3,555.81 416.03 480.05	568.80
11 68 13 00-0100	EA		10' High Top Rail, One Section, Two Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	1,662.18 193.91 221.57	277.27
11 68 13 00-0101	EA		10' High Top Rail, One Section Three Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	1,732.30 202.53 233.12	294.04
11 68 13 00-0102	EA		10' High Top Rail, Two Sections, Four Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,320.95 270.71 309.12	388.15
11 68 13 00-0103	EA		10' High Top Rail, Two Sections, Six Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,775.72 325.65 379.16	447.46
11 68 13 00-0104	EA		10' High Top Rail, Three Section, Six Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	3,089.33 360.35 411.53	516.40
11 68 13 00-0105	EA		10' High Top Rail, Three Sections, Nine Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	3,817.30 448.72 525.81	569.02
11 68 13 00-0106	EA		10' High Top Rail, Four Section, Eight Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	3,929.63 457.07 517.01	682.56
11 68 13 00-0107	EA		12' High Top Rail, One Section Three Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	1,809.37 211.82 244.90	301.16
11 68 13 00-0108	EA		12' High Top Rail, Two Sections, Six Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,941.32 344.58 399.32	484.55
11 68 13 00-0109	EA		12' High Top Rail, Three Sections, Nine Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	4,319.30 501.99 566.28	776.07
11 68 13 00-0110			<b>Swing Accessories</b> <small>(11 68 13 00-0095)</small>		
11 68 13 00-0111	EA		Enclosed Tot Seat With Chain And Hardware	412.01	22.83
11 68 13 00-0112	EA		Bucket Seat With Chain And Hardware	342.51	18.98
11 68 13 00-0113	EA		Belt Seat With Chain And Hardware	364.85	20.27
11 68 13 00-0114	EA		Seat With Chain And Hardware	359.89	19.97
11 68 13 00-0115	EA		Wide Seat With Chain And Hardware	379.88	21.09
11 68 13 00-0116	EA		Handi Seat With Chain And Hardware	1,134.26	62.91
11 68 13 00-0117	LF		0.4 LB/LF Replacement Chain	4.82	0.45
11 68 13 00-0118	LF		1 LB/LF Replacement Chain	8.96	0.90
11 68 13 00-0119	EA		Swing Hanger Replacement	52.39	5.20
11 68 13 00-0120			<b>Tetherball</b> <small>(11 68 13 00-0001)</small>		
11 68 13 00-0121	EA		Tetherball Standard And Ball	428.94	40.30
11 68 13 00-0122			<b>Playground Equipment (Landscape Structures®)</b> <small>(11 68 13)</small> Note: Excludes excavation and concrete footings.		
11 68 13 00-0123			<b>Playground Equipment (Landscape Structures® PlayShaper®)</b> <small>(11 68 13 00-0122)</small> Note: Ages 2 to 5 years.		
11 68 13 00-0124	EA		El Slide, 32" Deck (Landscape Structures® PlayShaper® 111323A)	2,322.55	102.37
11 68 13 00-0125	EA		SpyroSlide, 56" Height, 48" Deck (Landscape Structures® PlayShaper® 143480A)	5,882.04	383.88
11 68 13 00-0126	EA		Tunnel Slide, 40" Deck (Landscape Structures® PlayShaper® 128952A)	2,421.32	102.37
11 68 13 00-0127	EA		Double Wave Poly Slide, 48" Deck (Landscape Structures® PlayShaper® 123336A)	2,767.68	153.55
11 68 13 00-0128	EA		Double Swirl Slide, 48" Deck (Landscape Structures® PlayShaper® 130798A)	2,351.40	153.55
11 68 13 00-0129	EA		Double Poly Slide, 32" Deck (Landscape Structures® PlayShaper® 132155A)	1,863.94	102.37
11 68 13 00-0130	EA		Double Poly Slide, 40"- 48" Deck (Landscape Structures® PlayShaper® 132155B)	2,068.55	102.37

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0131	EA		Lava Run Slide, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137967A).....	1,588.78	102.37
11 68 13 00-0132	EA		32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426A).....	4,512.31	307.11
11 68 13 00-0133	EA		40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426B).....	5,203.75	307.11
11 68 13 00-0134	EA		48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426C).....	5,605.91	307.11
11 68 13 00-0135	EA		Curved Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 123339A).....	1,595.18	51.19
11 68 13 00-0136	EA		Single Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 133668A).....	1,624.05	102.37
11 68 13 00-0137	EA		32" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117A).....	2,153.85	153.55
11 68 13 00-0138	EA		40" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117B).....	2,400.79	153.55
11 68 13 00-0139	EA		48" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117C).....	2,675.96	153.55
11 68 13 00-0140	EA		Critter Canyon Climber, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137966A).....	1,546.44	102.37
11 68 13 00-0141	EA		Thunderhead Climber, 48" Deck-To-Ground (Landscape Structures® PlayShaper® 139911A).....	6,460.91	409.47
11 68 13 00-0142	EA		Step Deck Climber, 16" Deck (Landscape Structures® PlayShaper® 119981A).....	903.39	102.37
11 68 13 00-0143	EA		Loop Ladder Climber, 40" Or 48" Deck (Landscape Structures® PlayShaper® 111364A).....	954.13	51.19
11 68 13 00-0144	EA		Loop Arch Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 139262A).....	1,439.73	127.96
11 68 13 00-0145	EA		32" Deck, Block Climber (Landscape Structures® PlayShaper® 135547A).....	2,231.79	179.15
11 68 13 00-0146	EA		40" Deck, Block Climber (Landscape Structures® PlayShaper® 135547B).....	2,605.73	179.15
11 68 13 00-0147	EA		32" - 40" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023A).....	2,428.38	102.37
11 68 13 00-0148	EA		48" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023B).....	2,611.82	102.37
11 68 13 00-0149	EA		1-Step, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021A).....	1,193.67	102.37
11 68 13 00-0150	EA		2-Steps, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021B).....	1,391.22	102.37
11 68 13 00-0151	EA		16" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346A).....	621.36	42.66
11 68 13 00-0152	EA		24" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346B).....	1,151.01	76.77
11 68 13 00-0153	EA		32" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346C).....	1,745.11	196.21
11 68 13 00-0154	EA		40" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346D).....	2,055.55	196.21
11 68 13 00-0155	EA		32" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327A).....	1,835.72	102.37
11 68 13 00-0156	EA		40" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327B).....	3,689.61	102.37
11 68 13 00-0157	EA		48" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327C).....	2,717.66	102.37
11 68 13 00-0158	EA		32" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284A).....	859.46	127.96
11 68 13 00-0159	EA		40" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284B).....	883.53	127.96
11 68 13 00-0160	EA		48" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284C).....	925.40	127.96
11 68 13 00-0161	EA		Overhead Events Horizontal Ladder, 16" Deck (Landscape Structures® PlayShaper® 129967A).....	924.60	25.59
11 68 13 00-0162	EA		Overhead Events Horizontal Ladder End Panel, Without Posts (Landscape Structures® PlayShaper® 129968A).....	338.99	25.59
11 68 13 00-0163	EA		Conical Climber, 40" Deck (Landscape Structures® PlayShaper® 143200A).....	3,305.41	179.15
11 68 13 00-0164	EA		ABC Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 152432A).....	1,729.87	127.96
11 68 13 00-0165	EA		Mini Summit Climber, 40" And 48" Decks (Landscape Structures® PlayShaper® 153077A).....	1,053.16	42.66
11 68 13 00-0166	EA		Arch Bridge, 42" Long (Landscape Structures® PlayShaper® 111348A).....	2,074.95	51.19
11 68 13 00-0167	EA		Phase Kit (Landscape Structures® PlayShaper® 116098A).....	290.79	32.25
11 68 13 00-0168	EA		Belt Bridge With Permalene Barriers, 42" Long (Landscape Structures® PlayShaper® 131956A).....	1,609.29	51.19
11 68 13 00-0169	EA		8" Deck-To-Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 111413A).....	643.01	76.77
11 68 13 00-0170	EA		16" - 48" Decks To Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 138405A).....	1,159.79	76.77
11 68 13 00-0171	EA		Deck-To-Deck Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132828A).....	4,461.63	204.73
11 68 13 00-0172	EA		Deck-To-Ground Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132844A).....	4,461.63	204.73
11 68 13 00-0173	EA		Wire Crawl Tunnel (Landscape Structures® PlayShaper® 118099A).....	2,033.27	102.37
11 68 13 00-0174	EA		Offset Crawl Tunnel, 8" Deck Height Difference (Landscape Structures® PlayShaper® 139268A).....	1,525.28	102.37
11 68 13 00-0175	EA		28" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953A).....	1,559.90	51.19
11 68 13 00-0176	EA		56" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953B).....	2,018.51	51.19
11 68 13 00-0177	EA		90 Degree Curved Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 115409C).....	2,230.83	102.37
11 68 13 00-0178	EA		C-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097A).....	3,678.47	204.73
11 68 13 00-0179	EA		S-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097B).....	3,678.47	204.73
11 68 13 00-0180	EA		C-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098A).....	3,678.47	204.73
11 68 13 00-0181	EA		S-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098B).....	3,678.47	204.73
11 68 13 00-0182	EA		Bubble Panel, Enclosure (Landscape Structures® PlayShaper® 111282A).....	705.88	25.59
11 68 13 00-0183	EA		Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111300A).....	1,079.64	17.06
11 68 13 00-0184	EA		Chimes Panel, Enclosure (Landscape Structures® PlayShaper® 113211A).....	1,248.98	17.06
11 68 13 00-0185	EA		Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123845A).....	1,361.86	17.06
11 68 13 00-0186	EA		Driver Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111288A).....	741.15	25.59
11 68 13 00-0187	EA		Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111289A).....	585.76	17.06
11 68 13 00-0188	EA		Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 117147A).....	1,707.58	17.06
11 68 13 00-0189	EA		Hole Panel, Enclosure (Landscape Structures® PlayShaper® 111284A).....	465.82	17.06
11 68 13 00-0190	EA		House Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111299A).....	550.66	25.59
11 68 13 00-0191	EA		Hourglass Panel, Enclosure (Landscape Structures® PlayShaper® 124333A).....	1,453.59	17.06
11 68 13 00-0192	EA		Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 127684A).....	910.49	25.59
11 68 13 00-0193	EA		Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayShaper® 127685A).....	1,263.57	51.19
11 68 13 00-0194	EA		Math Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111294A).....	1,355.14	42.66
11 68 13 00-0195	EA		Sand And Water Panel, Enclosure (Ground Level Only), Tan Dish Only (Landscape Structures® PlayShaper® 111297A).....	1,306.23	76.77
11 68 13 00-0196	EA		Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111298A).....	945.59	17.06
11 68 13 00-0197	EA		Periscope Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 118429A).....	1,411.43	25.59
11 68 13 00-0198	EA		Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 119515A).....	966.93	25.59
11 68 13 00-0199	EA		Slant Window Panel, Enclosure (Landscape Structures® PlayShaper® 111281A).....	1,235.35	51.19
11 68 13 00-0200	EA		Storefront Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 144984A).....	423.66	25.59
11 68 13 00-0201	EA		Spelling Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111295A).....	1,305.75	42.66
11 68 13 00-0202	EA		Slant Entrance Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111387A).....	1,002.69	68.25
11 68 13 00-0203	EA		Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123484A).....	1,213.70	17.06
11 68 13 00-0204	EA		Puppet Panel, Enclosure (Landscape Structures® PlayShaper® 111285A).....	465.82	17.06
11 68 13 00-0205	EA		Puppet Panel With Window, Enclosure (Landscape Structures® PlayShaper® 111286A).....	642.38	25.59
11 68 13 00-0206	EA		Zoo Panel, Enclosure (Landscape Structures® PlayShaper® 111287A).....	465.82	17.06
11 68 13 00-0207	EA		Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111290A).....	599.87	17.06
11 68 13 00-0208	EA		Table Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111292A).....	1,136.90	76.77
11 68 13 00-0209	EA		Tic-Tac-Toe Panel, Enclosure (Landscape Structures® PlayShaper® 111293A).....	1,235.04	25.59
11 68 13 00-0210	EA		Bead And Block Panel Without Handles, Enclosure (Landscape Structures® PlayShaper® 111370A).....	938.71	25.59
11 68 13 00-0211	EA		2 Benches, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 116120A).....	903.58	42.66

## 11 Equipment

## 11 60 Entertainment and Recreation Equipment

## 11 68 Play Field Equipment and Structures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0212	EA		1 Bench, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 138185A) .....	522.59	42.66
11 68 13 00-0213	EA		1 Bench, 1 End Panel (Ground Level Only) (Landscape Structures® PlayShaper® 138299A) .....	458.93	25.59
11 68 13 00-0214	EA		Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260A) .....	1,270.95	76.77
11 68 13 00-0215	EA		Balcony Deck With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260B) .....	1,475.56	76.77
11 68 13 00-0216	EA		Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139264A) .....	423.48	17.06
11 68 13 00-0217	EA		Navigator Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139266A) .....	592.82	17.06
11 68 13 00-0218	EA		Curb, Accessible Reach Panel (Landscape Structures® PlayShaper® 128623A) .....	122.92	17.06
11 68 13 00-0219	EA		Long Wire Barrier (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945A) .....	684.71	25.59
11 68 13 00-0220	EA		Long Wire Barrier With Wheel (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945B) .....	910.64	42.66
11 68 13 00-0221	EA		Short Wire Barrier (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946A) .....	522.59	42.66
11 68 13 00-0222	EA		Short Wire Barrier With Wheel (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946B) .....	727.20	42.66
11 68 13 00-0223	EA		Chinning Bar Without Post (Landscape Structures® PlayShaper® 139272A) .....	120.10	17.06
11 68 13 00-0224	EA		Steering Wheel (Landscape Structures® PlayShaper® 111306A) .....	225.93	17.06
11 68 13 00-0225	EA		Steering Wheel With Infill Panel (Landscape Structures® PlayShaper® 111306B) .....	303.54	17.06
11 68 13 00-0226	EA		Handloop (Landscape Structures® PlayShaper® 119977A) .....	176.54	17.06
11 68 13 00-0227	EA		Ground Level, Talk Tubes, Attaches Next To 40" To 48" Deck Only, One Only (Landscape Structures® PlayShaper® 115198A) .....	480.10	25.59
11 68 13 00-0228	EA		16" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198B) .....	494.21	25.59
11 68 13 00-0229	EA		24" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198C) .....	501.27	25.59
11 68 13 00-0230	EA		32" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198D) .....	515.38	25.59
11 68 13 00-0231	EA		40" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198E) .....	522.43	25.59
11 68 13 00-0232	EA		48" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198F) .....	536.54	25.59
11 68 13 00-0233	EA		Talk Tube Tubing Kit (Landscape Structures® PlayShaper® 111362A) .....	453.47	153.55
			Note: Order one talk tube tubing kit with two talk tubes (any height listed).		
11 68 13 00-0234	EA		Arch Roof (Landscape Structures® PlayShaper® 111407A) .....	727.35	51.19
11 68 13 00-0235	EA		Square Poly Roof With Logo Panels (Landscape Structures® PlayShaper® 118110A) .....	1,363.00	102.37
11 68 13 00-0236	EA		Square Peak Tile Roof With Logo Panels (Landscape Structures® PlayShaper® 129816A) .....	1,511.16	102.37
11 68 13 00-0237	EA		Super-Square Shingle Roof With Permalene Roof Cap (Landscape Structures® PlayShaper® 130102A) .....	3,133.93	102.37
11 68 13 00-0238	EA		Super-Square Shingle Roof With Poly Roof Cap (Landscape Structures® PlayShaper® 130102B) .....	3,641.93	102.37
11 68 13 00-0239	EA		Square Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 111237A) .....	790.70	42.66
11 68 13 00-0240	EA		Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayShaper® 111238A) .....	755.42	42.66
11 68 13 00-0241	EA		Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayShaper® 111239A) .....	769.53	42.66
11 68 13 00-0242	EA		90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 117495A) .....	621.21	25.59
11 68 13 00-0243	EA		Transfer Stations With Two Handbars (Landscape Structures® PlayShaper® 126205A) .....	1,243.69	153.55
11 68 13 00-0244	EA		Transfer Stations With One Handbar (Landscape Structures® PlayShaper® 126205B) .....	1,137.86	153.55
11 68 13 00-0245	EA		Transfer Stations No Handbars (Landscape Structures® PlayShaper® 126205C) .....	1,046.14	153.55
11 68 13 00-0246	EA		Curb For 90 Degree Tri-Deck (Landscape Structures® PlayShaper® 139083A) .....	148.32	17.06
11 68 13 00-0247	EA		8" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948A) .....	131.39	17.06
11 68 13 00-0248	EA		16" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948B) .....	190.65	17.06
11 68 13 00-0249	EA		8" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949A) .....	159.61	17.06
11 68 13 00-0250	EA		16" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949B) .....	232.98	17.06
11 68 13 00-0251	EA		To 32" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020A) .....	2,344.98	204.73
11 68 13 00-0252	EA		To 40" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020B) .....	2,676.59	204.73
11 68 13 00-0253	EA		To 48" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020C) .....	2,817.70	204.73
11 68 13 00-0254	EA		56"/SpyroSlide, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399A) .....	1,411.73	51.19
11 68 13 00-0255	EA		48" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399B) .....	1,383.51	51.19
11 68 13 00-0256	EA		40" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399C) .....	1,369.40	51.19
11 68 13 00-0257	EA		32" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399D) .....	1,348.23	51.19
11 68 13 00-0258	EA		24" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399E) .....	1,327.07	51.19
11 68 13 00-0259	EA		16" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399F) .....	1,312.96	51.19
11 68 13 00-0260	EA		8" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399G) .....	1,298.85	51.19
11 68 13 00-0261	EA		Ground Level, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399H) .....	1,284.74	51.19
11 68 13 00-0262	EA		82"/48" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398A) .....	317.82	25.59
11 68 13 00-0263	EA		74"/40" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398B) .....	303.71	25.59
11 68 13 00-0264	EA		66"/32" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398C) .....	282.55	25.59
11 68 13 00-0265	EA		58"/24" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398D) .....	275.49	25.59
11 68 13 00-0266	EA		50"/16" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398E) .....	268.44	25.59
11 68 13 00-0267	EA		42"/8" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398F) .....	261.38	25.59
11 68 13 00-0268	EA		128"/SpyroSlide/SlideWinder2 Off 48" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397A) .....	580.47	153.55
11 68 13 00-0269	EA		114"/48" Deck/SlideWinder2 Off 40" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397B) .....	552.25	153.55
11 68 13 00-0270	EA		106"/40" Deck/SlideWinder2 Off 32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397C) .....	545.20	153.55
11 68 13 00-0271	EA		98"/32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397D) .....	324.88	25.59
11 68 13 00-0272	EA		90"/24" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397E) .....	317.82	25.59
11 68 13 00-0273	EA		82"/16" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397F) .....	303.71	25.59
11 68 13 00-0274	EA		74"/8" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397G) .....	282.55	25.59
11 68 13 00-0275	EA		69"/Ground Level, Post For Decks (Landscape Structures® PlayShaper® 111397H) .....	275.49	25.59
11 68 13 00-0276	EA		145"/SpyroSlide, Post For Roofs (Landscape Structures® PlayShaper® 111396A) .....	374.27	25.59
11 68 13 00-0277	EA		137"/48" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396B) .....	367.21	25.59
11 68 13 00-0278	EA		129"/40" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396C) .....	346.05	25.59
11 68 13 00-0279	EA		121"/32" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396D) .....	338.99	25.59
11 68 13 00-0280	EA		113"/24" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396E) .....	331.94	25.59
11 68 13 00-0281	EA		105"/16" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396F) .....	317.82	25.59
11 68 13 00-0282	EA		97"/8" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396G) .....	303.71	25.59
11 68 13 00-0283	EA		89"/Ground Level, Post For Roofs (Landscape Structures® PlayShaper® 111396H) .....	282.55	25.59
11 68 13 00-0284	EA		Learning Wall Arch For 10" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208A) .....	1,849.61	178.85
11 68 13 00-0285	EA		Learning Wall Arch For 1" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208B) .....	1,825.45	176.54
11 68 13 00-0286	EA		Learning Wall Arch For 10" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208C) .....	1,486.98	143.84
11 68 13 00-0287	EA		Learning Wall Arch For 1" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208D) .....	1,462.74	141.45
11 68 13 00-0288	EA		Learning Wall Post For 10" Panel Height (Landscape Structures® PlayShaper® 115201A) .....	302.22	29.23
11 68 13 00-0289	EA		Learning Wall Post For 1" Panel Height (Landscape Structures® PlayShaper® 115201B) .....	290.12	28.08
11 68 13 00-0290	EA		Learning Wall Post For Poly Roof With 10" Panel Height (Landscape Structures® PlayShaper® 115203A) .....	328.82	31.78

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 68 13 00-0291	EA	Learning Wall Post For Poly Roof With 1" Panel Height (Landscape Structures® PlayShaper® 115203B).....	314.31	30.38
11 68 13 00-0292	EA	The Peak Natural Climber, 40" Deck (Landscape Structures® PlayShaper® 160423A).....	6,896.43	255.92
11 68 13 00-0293	EA	The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayShaper® 160424A).....	3,670.78	153.55

**11 68 13 00-0294 Playground Equipment (Landscape Structures® Independent Pieces)** (11 68 13 00-0122)

11 68 13 00-0295	EA	9-Blocks, Block Climber (Landscape Structures® 117966A).....	2,987.69	255.92
11 68 13 00-0296	EA	12-Blocks, Block Climber (Landscape Structures® 117966B).....	3,375.74	255.92
11 68 13 00-0297	EA	116-Blocks, Block Climber (Landscape Structures® 117966C).....	4,145.42	307.11
11 68 13 00-0298	EA	Spider Web Climber, CableCore Climbing Cable (Direct Bury Only) (Landscape Structures® 136159A).....	3,106.98	204.73
11 68 13 00-0299	EA	6-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150976A).....	5,023.64	341.22
11 68 13 00-0300	EA	4-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150977A).....	3,466.17	153.55
11 68 13 00-0301	EA	Star Seeker Climber, Net Climber (Direct Bury Only) (Landscape Structures® 148041A).....	9,269.64	460.66
11 68 13 00-0302	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Aluminum Posts (Landscape Structures® 144477A).....	8,343.44	307.11
11 68 13 00-0303	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Aluminum Posts (Landscape Structures® 144477B).....	6,141.50	255.92
11 68 13 00-0304	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Aluminum Posts (Landscape Structures® 144477C).....	7,242.47	281.51
11 68 13 00-0305	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Aluminum Posts (Landscape Structures® 144477D).....	9,444.43	332.70
11 68 13 00-0306	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Aluminum Posts (Landscape Structures® 144477E).....	10,545.41	358.29
11 68 13 00-0307	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Steel Posts (Landscape Structures® 144477F).....	8,131.78	307.11
11 68 13 00-0308	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Steel Posts (Landscape Structures® 144477G).....	6,000.38	255.92
11 68 13 00-0309	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Steel Posts (Landscape Structures® 144477H).....	7,066.08	281.51
11 68 13 00-0310	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Steel Posts (Landscape Structures® 144477I).....	9,197.49	332.70
11 68 13 00-0311	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Steel Posts (Landscape Structures® 144477J).....	10,263.19	358.29
11 68 13 00-0312	EA	8", Pod Climber, One Pod Only (Landscape Structures® 120710A).....	339.14	42.66
11 68 13 00-0313	EA	16", Pod Climber, One Pod Only (Landscape Structures® 120711A).....	346.20	42.66
11 68 13 00-0314	EA	24", Pod Climber, One Pod Only (Landscape Structures® 120712A).....	353.26	42.66
11 68 13 00-0315	EA	30", Pod Climber, One Pod Only (Landscape Structures® 120713A).....	360.31	42.66
11 68 13 00-0316	EA	Track Ride Curved (Landscape Structures® 118093A).....	3,394.98	102.37
11 68 13 00-0317	EA	18' Curved Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121874A).....	5,168.47	307.11
11 68 13 00-0318	EA	18' Curved Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121874B).....	5,027.36	307.11
11 68 13 00-0319	EA	10' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121648A).....	4,350.03	307.11
11 68 13 00-0320	EA	10' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121648B).....	4,067.81	307.11
11 68 13 00-0321	EA	18' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121875A).....	4,526.42	307.11
11 68 13 00-0322	EA	18' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121875B).....	4,385.31	307.11
11 68 13 00-0323	EA	Playstructure Seat, TenderTuff-coated Brown (Landscape Structures® 120818A).....	431.02	51.19
11 68 13 00-0324	EA	Kids In Motion, Sway Fun Glider, Brown Deck Only (Landscape Structures® 138871A).....	15,480.40	614.21
11 68 13 00-0325	EA	CoolToppers Shade System, Full Sail, (Direct Bury Only) (Landscape Structures® 136759A).....	13,402.87	921.32
11 68 13 00-0326	EA	CoolToppers Shade System, Single Post, (Direct Bury Only) (Landscape Structures® 154397A).....	4,507.82	511.84
11 68 13 00-0327	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155071A).....	5,491.74	204.73
11 68 13 00-0328	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155072A).....	8,896.34	511.84
11 68 13 00-0329	EA	Turtle Sand Table, (2-Color Permalene), (Direct Bury Only) (Landscape Structures® 116568A).....	565.25	68.25
11 68 13 00-0330	EA	Straight Crawl Tunnel (Landscape Structures® 100005A).....	1,815.19	153.55
11 68 13 00-0331	EA	Curved Crawl Tunnel (Landscape Structures® 100005D).....	2,302.02	153.55
11 68 13 00-0332	EA	4' Square, SanDirect Buryoxe (Landscape Structures® 120458A).....	495.81	153.55
11 68 13 00-0333	EA	SanDirect Buryoxe, Play Table Only (Landscape Structures® 120894A).....	693.36	153.55
11 68 13 00-0334	EA	8' Square, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458B).....	998.67	307.11
11 68 13 00-0335	EA	8' Square, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458C).....	1,429.06	307.11
11 68 13 00-0336	EA	8' L-Shaped, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458D).....	998.67	307.11
11 68 13 00-0337	EA	8' L-Shaped, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458E).....	1,429.06	307.11
11 68 13 00-0338	EA	Splash Circuit Sand And Water Station, Direct Bury (Landscape Structures® 126202A).....	4,450.10	409.47
11 68 13 00-0339	EA	Splash Circuit Sand And Water Station, Surface Mount (Landscape Structures® 126202B).....	4,314.75	307.11
11 68 13 00-0340	EA	Talk Tubes, Complete With (2) 2-3/8" Square Aluminum Posts, Ground Level, (Direct Bury Only) (Landscape Structures® 113931A).....	1,985.15	204.73
11 68 13 00-0341	EA	Clear Paint Panel, Surface Mount (Landscape Structures® 112621A).....	797.91	51.19
11 68 13 00-0342	EA	Clear Paint Panel, Direct Bury (Landscape Structures® 112621B).....	699.46	76.77
11 68 13 00-0343	EA	Dino Climber, Direct Bury (Landscape Structures® 100122A).....	11,505.60	409.47
11 68 13 00-0344	EA	Dino Climber, Surface Mount (Landscape Structures® 100122B).....	11,977.67	358.29
11 68 13 00-0345	EA	Sand Table, (3) Steel Posts, Direct Bury (Landscape Structures® 136233B).....	3,214.10	307.11
11 68 13 00-0346	EA	Sand Table, (3) Aluminum Posts, Direct Bury (Landscape Structures® 136233A).....	3,291.71	307.11
11 68 13 00-0347	EA	Wiggle Worm Crawl Tunnel With 2-Color Permalene Head (Landscape Structures® 120418A).....	3,869.62	255.92
11 68 13 00-0348	EA	Wiggle Worm Crawl Tunnel Without 2-Color Permalene Head (Landscape Structures® 120418B).....	2,718.92	204.73
11 68 13 00-0349	EA	Kids In Motion, Saddle Spinner (Landscape Structures® 152179A).....	1,164.79	51.19
11 68 13 00-0350	EA	Kids In Motion, Log Roll With Aluminum Posts (Landscape Structures® 100027A).....	1,722.83	102.37
11 68 13 00-0351	EA	Kids In Motion, Log Roll, Tan Log Only, (2) Steel Posts (Landscape Structures® 100027B).....	1,652.28	102.37
11 68 13 00-0352	EA	Kids In Motion, Spring Pod Bouncer, Sold Individually Per Pod (Landscape Structures® 120876A).....	459.09	42.66
11 68 13 00-0353	EA	Kids In Motion, SpringRing Bouncer, (Brown Ring Only, Avail. for Direct Bury Only) (Landscape Structures® 117961A).....	6,150.47	409.47
11 68 13 00-0354	EA	Kids In Motion, Spring Platform With Handhold, Brown Platform, Tan Handhold* (Landscape Structures® 125059A).....	2,191.05	307.11
11 68 13 00-0355	EA	Kids In Motion, Spring Platform Without Handhold, Brown Platform* (Landscape Structures® 125059B).....	2,049.94	307.11
11 68 13 00-0356	EA	Kids In Motion, Spring Platform With Post, Brown Platform, Tan Post* (Landscape Structures® 125059C).....	2,572.05	307.11
11 68 13 00-0357	EA	Kids In Motion, Stand-Up Spinner, (Direct Bury Only) (Landscape Structures® 155077A).....	1,708.06	51.19
11 68 13 00-0358	EA	Orbiter Spinner, Steel Post, (Avail. for Direct Bury Only) (Landscape Structures® 153589A).....	2,386.68	153.55
11 68 13 00-0359	EA	Orbiter2 Spinner, Steel Post, (Avail. for Direct Bury Only) (Landscape Structures® 154358A).....	4,299.36	204.73
11 68 13 00-0360	EA	Orbiter3 Spinner, Steel Post, (Direct Bury Only) (Landscape Structures® 154359A).....	6,204.99	255.92
11 68 13 00-0361	EA	Stand-Up Seesaw, Direct Bury (Landscape Structures® 148638A).....	2,513.05	102.37
11 68 13 00-0362	EA	Stand-Up Seesaw, Surface Mount (Landscape Structures® 148638B).....	2,167.33	102.37
11 68 13 00-0363	EA	2-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148636A).....	2,781.16	102.37
11 68 13 00-0364	EA	2-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148636B).....	2,400.16	102.37
11 68 13 00-0365	EA	4-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148637A).....	3,359.71	102.37
11 68 13 00-0366	EA	4-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148637B).....	2,992.82	102.37
11 68 13 00-0367	EA	Seesaw Back Support, With Seat Strap* (Landscape Structures® 148706A).....	317.65	17.06
11 68 13 00-0368	EA	Seesaw Back Support, without Seat Strap (Landscape Structures® 148706B).....	261.21	17.06
11 68 13 00-0369	EA	Stationary Cyclor, SuperScoop, (Direct Bury Only) (Landscape Structures® 123831A).....	1,193.97	127.96
11 68 13 00-0370	EA	Stationary Cyclor, SuperScoop, Wheelchair-Accessible, Surface Mount (Landscape Structures® 123832A).....	1,066.34	76.77

## 11 Equipment

## 11 60 Entertainment and Recreation Equipment

## 11 68 Play Field Equipment and Structures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0371	EA		Stationary Cyclor, SuperScoop, Wheelchair-Accessible, Direct Bury (Landscape Structures® 123832B) .....	1,109.31	127.96
11 68 13 00-0372	EA		Motorcycle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100013B) .....	1,631.74	153.55
11 68 13 00-0373	EA		Motorcycle Back Supports With Seat Strap (Landscape Structures® 123711A) .....	254.15	17.06
11 68 13 00-0374	EA		Motorcycle Back Supports Without Seat Strap (Landscape Structures® 123711B) .....	211.82	17.06
11 68 13 00-0375	EA		Turtle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100014B) .....	1,377.42	127.96
11 68 13 00-0376	EA		Bird TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B) .....	1,398.91	153.55
11 68 13 00-0377	EA		Horse TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B) .....	1,384.80	153.55
11 68 13 00-0378	EA		Car TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100017B) .....	1,631.74	153.55
11 68 13 00-0379	EA		RhinoDino TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100123B) .....	1,363.31	127.96
11 68 13 00-0380	EA		T-Rex TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100124B) .....	1,384.80	153.55
11 68 13 00-0381	EA		2-Seat Airplane Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 120871A) .....	2,055.40	179.15
11 68 13 00-0382	EA		2-Seat Airplane Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 120871B) .....	2,153.85	153.55
11 68 13 00-0383	EA		2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 126378A) .....	1,864.90	179.15
11 68 13 00-0384	EA		2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 126378B) .....	1,956.30	153.55
11 68 13 00-0385	EA		Motorcycle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100013A) .....	1,405.64	127.96
11 68 13 00-0386	EA		Turtle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100014A) .....	1,144.28	102.37
11 68 13 00-0387	EA		Bird TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100015A) .....	1,165.75	127.96
11 68 13 00-0388	EA		Horse TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100016A) .....	1,151.64	127.96
11 68 13 00-0389	EA		Car TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100017A) .....	1,405.64	127.96
11 68 13 00-0390	EA		RhinoDino TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100123A) .....	1,137.22	102.37
11 68 13 00-0391	EA		T-Rex TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100124A) .....	1,151.64	127.96
11 68 13 00-0392	EA		Zebra Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135534B) .....	1,440.92	127.96
11 68 13 00-0393	EA		Sea Horse Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135535B) .....	1,539.69	127.96
11 68 13 00-0394	EA		Dolphin Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135536B) .....	1,469.14	127.96
11 68 13 00-0395	EA		Zebra Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135534A) .....	1,221.89	102.37
11 68 13 00-0396	EA		Sea Horse Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135535A) .....	1,313.61	102.37
11 68 13 00-0397	EA		Dolphin Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135536A) .....	1,250.11	102.37
11 68 13 00-0398	EA		SpyroSlide, Poly, 72" Deck (Landscape Structures® 115366A) .....	8,975.23	614.21
11 68 13 00-0399	EA		40" Poly Slide, 40" Deck (Landscape Structures® 100046A) .....	4,793.89	255.92
11 68 13 00-0400	EA		Wave Poly Slide, 72" Deck (Landscape Structures® 100046C) .....	5,795.78	255.92
11 68 13 00-0401	EA		Fire Engine, Colors As Shown Only, (Direct Bury Only) (Landscape Structures® 148640A) .....	17,595.13	1,023.68
11 68 13 00-0402	EA		Double Humpty Climber (Direct Bury Only) (Landscape Structures® 100037A) .....	3,022.31	204.73
11 68 13 00-0403	EA		Single Humpty Climber (Direct Bury Only) (Landscape Structures® 100037B) .....	1,659.96	153.55
11 68 13 00-0404	EA		12-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150638A) .....	33,174.31	1,637.90
11 68 13 00-0405	EA		7-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150637A) .....	18,289.13	1,228.42
11 68 13 00-0406	EA		6-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150636A) .....	16,588.76	1,228.42
11 68 13 00-0407	EA		3-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150635A) .....	7,914.35	409.47
11 68 13 00-0408	EA		4', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038A) .....	1,143.95	76.77
11 68 13 00-0409	EA		6', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038B) .....	1,278.01	76.77
11 68 13 00-0410	EA		Sky Rail Climber, Independent Climber (Direct Bury Only) (Landscape Structures® 146813A) .....	4,067.81	307.11
11 68 13 00-0411	EA		4'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040A) .....	861.73	76.77
11 68 13 00-0412	EA		6'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040B) .....	932.29	76.77
11 68 13 00-0413	EA		Arch Belt Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 100050A) .....	3,926.58	409.47
11 68 13 00-0414	EA		Arch Belt Swing, 2-Place, Uncoated Chain (Landscape Structures® 100050C) .....	3,808.05	409.47
11 68 13 00-0415	EA		Arch Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 111579A) .....	2,470.57	204.73
11 68 13 00-0416	EA		Arch Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 111579C) .....	2,352.04	204.73
11 68 13 00-0417	EA		Single Post Swing, 2-Place, Uncoated Chain (Landscape Structures® 122837A) .....	2,028.77	307.11
11 68 13 00-0418	EA		Single Post Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 122837B) .....	2,147.30	307.11
11 68 13 00-0419	EA		Single Post Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 122838A) .....	1,455.36	153.55
11 68 13 00-0420	EA		Single Post Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 122838B) .....	1,573.89	153.55
11 68 13 00-0421	EA		Single Post Swing, 2-Place, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140769A) .....	2,332.16	307.11
11 68 13 00-0422	EA		Single Post Swing, 2-Place, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140769B) .....	2,450.69	307.11
11 68 13 00-0423	EA		Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140770A) .....	1,758.74	153.55
11 68 13 00-0424	EA		Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140770B) .....	1,877.27	153.55
11 68 13 00-0425	EA		Toddler Swing Add-On, With (1) Full-Bucket Seat, Without Post (Landscape Structures® 151852A) .....	882.57	51.19
11 68 13 00-0426	EA		Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 120891A) .....	4,499.49	409.47
11 68 13 00-0427	EA		Additional Bay, Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 139188A) .....	3,149.31	204.73
11 68 13 00-0428	EA		4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Posts (Landscape Structures® 120892B) .....	4,090.27	409.47
11 68 13 00-0429	EA		Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Posts (Landscape Structures® 141458B) .....	2,641.31	204.73
11 68 13 00-0430	EA		Toddler Swing, With (2) Full-Bucket Seats (Landscape Structures® 117962B) .....	2,034.54	204.73
11 68 13 00-0431	EA		Curved Balance Beam (Landscape Structures® 100041A) .....	861.58	68.25
11 68 13 00-0432	EA		Drop Shot, (Direct Bury Only) (Landscape Structures® 100042A) .....	1,525.58	127.96
11 68 13 00-0433	EA		Basketball Outfit, 6' Offset, Fan Permalene Backboard, Chain Net (Landscape Structures® 116947A) .....	3,248.09	204.73
11 68 13 00-0434	EA		Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Chain Net (Landscape Structures® 116947B) .....	3,629.08	204.73
11 68 13 00-0435	EA		Basketball Outfit, 6' Offset, Fan Permalene Backboard, Nylon Net (Landscape Structures® 116947C) .....	3,241.03	204.73
11 68 13 00-0436	EA		Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Nylon Net (Landscape Structures® 116947D) .....	3,622.03	204.73
11 68 13 00-0437	EA		FitCore Outdoor Fitness Equipment With Aluminum Posts, (Direct Bury Only) (Landscape Structures® 123722A) .....	16,081.40	1,842.63
11 68 13 00-0438	EA		FitCore Outdoor Fitness Equipment With Steel Posts, (Direct Bury Only) (Landscape Structures® 123722B) .....	15,615.74	1,842.63
11 68 13 00-0439	EA		Fitness Cluster With Steel Posts (Landscape Structures® 120874B) .....	10,097.70	1,228.42
11 68 13 00-0440	EA		Fitness Cluster With Aluminum Posts (Landscape Structures® 120874A) .....	10,295.25	1,228.42
11 68 13 00-0441	EA		Aluminum Posts, Climbing Wall (Landscape Structures® 153354A) .....	2,274.43	204.73
11 68 13 00-0442	EA		Steel Posts, Climbing Wall (Landscape Structures® 153354B) .....	2,203.87	204.73
11 68 13 00-0443	EA		30" Galvanized Stake, TuffTimber Edgers (Landscape Structures® 100626A) .....	20.52	8.53
11 68 13 00-0444	EA		TuffTimber, 4' Length, TuffTimber Edgers, Black Only (Landscape Structures® 119214A) .....	65.04	8.53
11 68 13 00-0445	EA		TuffTimbers Access Wedge, TuffTimber Edgers, Black Only (Landscape Structures® 130799A) .....	818.59	17.06
11 68 13 00-0446	EA		Age Appropriate Fitness Sign, Ages 12 And Over (Landscape Structures® 114483A) .....	451.88	25.59
11 68 13 00-0447	EA		Age Appropriate Fitness Sign, Ages 5 to 12 (Landscape Structures® 114484A) .....	451.88	25.59
11 68 13 00-0448	EA		Accessible Playground Sign, With 2-3/8" Post (Landscape Structures® 100103A) .....	423.66	25.59
11 68 13 00-0449	EA		Age Appropriate Sign, With PlayShaper Posts, Optional Name* (Landscape Structures® 100104A) .....	868.15	25.59
11 68 13 00-0450	EA		Age Appropriate Sign, With PlayShaper Posts, 2 - 5 Years* (Landscape Structures® 100105A) .....	734.10	25.59
11 68 13 00-0451	EA		Age Appropriate Sign, With PlayShaper Posts, 5 - 12 Years* (Landscape Structures® 100106A) .....	734.10	25.59
11 68 13 00-0452	EA		Flat Molded Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100052A) .....	247.10	17.06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0453	EA		Molded Bucket Seat (Specify Color), Swing Accessories (Excludes Chain) (Landscape Structures® 100054A).....	614.46	51.19
11 68 13 00-0454	EA		Full-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100055A).....	317.82	25.59
11 68 13 00-0455	EA		Half-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 112228A).....	303.71	25.59
11 68 13 00-0456	EA		Slash-Proof Belt Seat, Swing Accessories (Landscape Structures® 132385A).....	98.93	17.06
11 68 13 00-0457	EA		Seat Strap for Molded Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 111416A).....	93.29	17.06
11 68 13 00-0458	LF		TuffTurf Geotextile Fabric, (12 1/2' Wide Roll), Order an Additional 20% for Overlap/Waste, per LF (Landscape Structures® 109694A).....	8.14	2.56
11 68 13 00-0459	EA		TuffTurf Adhesive 10.6 oz. Tube, (Approximate Coverage: 3 Tiles per Tube) (Landscape Structures® 114513A).....	10.23	
11 68 13 00-0460	EA		Rider, Direct Bury Leg, Concrete, (Direct Bury Only) (Landscape Structures® 115381A).....	233.16	25.59
11 68 13 00-0461	EA		Mesh SanDirect Buryox Cover, 4' Square (Landscape Structures® 120530A).....	77.76	12.79
11 68 13 00-0462	EA		Mesh SanDirect Buryox Cover, 8' Square (Landscape Structures® 120530B).....	268.44	25.59
11 68 13 00-0463	EA		Mesh SanDirect Buryox Cover, 8' L-Shaped (Landscape Structures® 120530C).....	226.10	25.59
11 68 13 00-0464	EA		4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Aluminum Posts (Landscape Structures® 120892A).....	3,890.14	204.73
11 68 13 00-0465	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", Square (Landscape Structures® 122868A).....	141.26	12.79
11 68 13 00-0466	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", 1-Bevel (Landscape Structures® 122868B).....	141.26	12.79
11 68 13 00-0467	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", 2-Bevel (Landscape Structures® 122868C).....	141.26	12.79
11 68 13 00-0468	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", 3-Bevel (Landscape Structures® 122868D).....	141.26	12.79
11 68 13 00-0469	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", 4-Bevel (Landscape Structures® 122868E).....	141.26	12.79
11 68 13 00-0470	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", Corner Bevel (Landscape Structures® 122868F).....	141.26	12.79
11 68 13 00-0471	EA		Rider, 4-Bevel TuffTurf Tile, With Hole, For TuffRiders And Whimsy Riders * (Landscape Structures® 122869A).....	148.32	12.79
11 68 13 00-0472	EA		1-Place, Surge Swing, Uncoated Chain (Landscape Structures® 127680A).....	2,012.11	102.37
11 68 13 00-0473	EA		1-Place, Surge Swing, TenderTuff-coated Chain (Landscape Structures® 127680B).....	2,071.37	102.37
11 68 13 00-0474	EA		TuffTurf Adhesive 1 Gallon (Approximate Coverage: 15 Tiles per Gallon) (Landscape Structures® 128036A).....	70.56	
11 68 13 00-0475	EA		1-Place, Surge Swing, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 139910A).....	2,160.27	102.37
11 68 13 00-0476	EA		1-Place, Surge Swing, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 139910B).....	2,219.54	102.37
11 68 13 00-0477	EA		Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Aluminum Posts (Landscape Structures® 141458A).....	2,626.57	153.55
11 68 13 00-0478	EA		The Pinnacle Natural Climber (Landscape Structures® 156065A).....	21,265.91	614.21
11 68 13 00-0479	EA		The Pointe Natural Climber (Landscape Structures® 156067A).....	12,020.65	409.47
11 68 13 00-0480	EA		Hemisphere Climber With Single Arch, Independent Climber (Landscape Structures® 156435A).....	12,020.65	409.47
11 68 13 00-0481	EA		5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157107A).....	1,645.22	102.37
11 68 13 00-0482	EA		5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157107B).....	1,763.75	102.37
11 68 13 00-0483	EA		5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157107C).....	1,828.66	102.37
11 68 13 00-0484	EA		5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157107D).....	1,947.19	102.37
11 68 13 00-0485	EA		5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157108A).....	946.07	51.19
11 68 13 00-0486	EA		5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157108B).....	1,064.60	51.19
11 68 13 00-0487	EA		5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157108C).....	1,009.57	51.19
11 68 13 00-0488	EA		5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157108D).....	1,128.10	51.19
11 68 13 00-0489	EA		5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157109A).....	1,715.77	102.37
11 68 13 00-0490	EA		5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157109B).....	1,896.40	102.37
11 68 13 00-0491	EA		5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157109C).....	1,899.22	102.37
11 68 13 00-0492	EA		5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157109D).....	2,079.84	102.37
11 68 13 00-0493	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157110A).....	1,002.52	51.19
11 68 13 00-0494	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157110B).....	1,268.46	102.37
11 68 13 00-0495	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157110C).....	1,066.01	51.19
11 68 13 00-0496	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157110D).....	1,331.96	102.37
11 68 13 00-0497	EA		5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157111A).....	1,786.33	102.37
11 68 13 00-0498	EA		5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157111B).....	1,904.86	102.37
11 68 13 00-0499	EA		5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157111C).....	1,969.77	102.37
11 68 13 00-0500	EA		5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157111D).....	2,088.30	102.37
11 68 13 00-0501	EA		5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157112A).....	1,080.13	51.19
11 68 13 00-0502	EA		5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157112B).....	1,283.98	102.37
11 68 13 00-0503	EA		5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157112C).....	1,143.62	51.19
11 68 13 00-0504	EA		5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157112D).....	1,347.48	102.37
11 68 13 00-0505	EA		5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157113A).....	1,856.88	102.37
11 68 13 00-0506	EA		5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157113B).....	2,037.51	102.37
11 68 13 00-0507	EA		5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157113C).....	2,040.33	102.37
11 68 13 00-0508	EA		5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157113D).....	2,220.95	102.37

## 11 Equipment

## 11 60 Entertainment and Recreation Equipment

## 11 68 Play Field Equipment and Structures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0509	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157114A) .....	1,143.62	51.19
11 68 13 00-0510	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157114B) .....	1,409.57	102.37
11 68 13 00-0511	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157114C) .....	1,292.44	102.37
11 68 13 00-0512	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157114D) .....	1,473.07	102.37
11 68 13 00-0513	EA		Motorcycle TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157286A) .....	1,645.22	102.37
11 68 13 00-0514	EA		Motorcycle TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157286B) .....	1,828.66	102.37
11 68 13 00-0515	EA		T-Rex TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157287A) .....	1,391.22	102.37
11 68 13 00-0516	EA		T-Rex TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157287B) .....	1,581.72	102.37
11 68 13 00-0517	EA		Bird TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157288A) .....	1,405.33	102.37
11 68 13 00-0518	EA		Bird TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157288B) .....	1,595.83	102.37
11 68 13 00-0519	EA		Horse TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157289A) .....	1,391.22	102.37
11 68 13 00-0520	EA		Horse TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157289B) .....	1,581.72	102.37
11 68 13 00-0521	EA		Car TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157290A) .....	1,645.22	102.37
11 68 13 00-0522	EA		Car TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157290B) .....	1,828.66	102.37
11 68 13 00-0523	EA		Zebra Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157291A) .....	1,511.16	102.37
11 68 13 00-0524	EA		Zebra Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157291B) .....	1,680.50	102.37
11 68 13 00-0525	EA		Sea Horse Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157292A) .....	1,595.83	102.37
11 68 13 00-0526	EA		Sea Horse Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157292B) .....	1,779.27	102.37
11 68 13 00-0527	EA		Dolphin Whimsy Riders, With Torsion Spring, SM (Landscape Structures® 157293A) .....	1,532.33	102.37
11 68 13 00-0528	EA		Dolphin Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157293B) .....	1,708.72	102.37
11 68 13 00-0529	EA		Kids In Motion, Wobble Pod Bouncer, (Direct Bury Only) (Landscape Structures® 158105A) .....	1,588.78	102.37
11 68 13 00-0530	EA		Chatter Noodle Kit, (2) Noodle Posts And Tubing, (Direct Bury Only) (Landscape Structures® 158106A) .....	2,195.55	102.37
11 68 13 00-0531	EA		8" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108A) .....	1,080.13	51.19
11 68 13 00-0532	EA		16" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108B) .....	1,087.18	51.19
11 68 13 00-0533	EA		24" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108C) .....	1,094.24	51.19
11 68 13 00-0534	EA		Single, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426A) .....	1,969.77	102.37
11 68 13 00-0535	EA		Double, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426B) .....	3,388.56	153.55
11 68 13 00-0536	EA		Triple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426C) .....	5,117.79	204.73
11 68 13 00-0537	EA		Quadruple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426D) .....	6,381.38	255.92
11 68 13 00-0538	EA		10", Pod Climber, One Pod Only (Landscape Structures® 158997A) .....	1,317.82	25.59
11 68 13 00-0539	EA		20", Pod Climber, One Pod Only (Landscape Structures® 158998A) .....	331.94	25.59
11 68 13 00-0540	EA		CoolToppers Shade System, Super Pyramid, 30' x 30', 13'-9" Entrance Height, (Direct Bury Only) (Landscape Structures® 159873A) .....	11,173.99	409.47
11 68 13 00-0541	EA		CoolToppers Shade System, Pyramid, 18' x 18', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881A) .....	5,908.01	204.73
11 68 13 00-0542	EA		CoolToppers Shade System, Pyramid, 18' x 18', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881B) .....	6,099.16	255.92
11 68 13 00-0543	EA		CoolToppers Shade System, Pyramid, 18' x 18', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881C) .....	6,197.94	255.92
11 68 13 00-0544	EA		CoolToppers Shade System, Pyramid, 24' x 24', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882A) .....	7,538.48	255.92
11 68 13 00-0545	EA		CoolToppers Shade System, Pyramid, 24' x 24', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882B) .....	7,637.26	255.92
11 68 13 00-0546	EA		CoolToppers Shade System, Pyramid, 24' x 24', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882C) .....	7,750.15	255.92
11 68 13 00-0547	EA		CoolToppers Shade System, Pyramid, 28' x 28', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883A) .....	9,578.16	307.11
11 68 13 00-0548	EA		CoolToppers Shade System, Pyramid, 28' x 28', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883B) .....	9,691.05	307.11
11 68 13 00-0549	EA		CoolToppers Shade System, Pyramid, 28' x 28', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883C) .....	9,796.88	307.11
11 68 13 00-0550	EA		Stationary Cyler, Pedals Only, With Grab Bar, With Aluminum Posts (Landscape Structures® 160055A) .....	1,800.44	102.37
11 68 13 00-0551	EA		Stationary Cyler, Handles Only, With Aluminum Posts (Landscape Structures® 160055B) .....	1,553.50	102.37
11 68 13 00-0552	EA		Stationary Cyler, Pedals And Handles, With Aluminum Posts (Landscape Structures® 160055C) .....	2,244.94	102.37
11 68 13 00-0553	EA		Stationary Cyler, Handles Only, Accessible, With Aluminum Posts (Landscape Structures® 160055D) .....	1,553.50	102.37
11 68 13 00-0554	EA		Stationary Cyler, Pedals Only, With Grab Bar, With Steel Posts (Landscape Structures® 160055E) .....	1,758.11	102.37
11 68 13 00-0555	EA		Stationary Cyler, Handles Only, With Steel Posts (Landscape Structures® 160055F) .....	1,511.16	102.37
11 68 13 00-0556	EA		Stationary Cyler, Pedals And Handles, With Steel Posts (Landscape Structures® 160055G) .....	2,202.60	102.37
11 68 13 00-0557	EA		Stationary Cyler, Handles Only, Accessible, With Steel Posts (Landscape Structures® 160055H) .....	1,511.16	102.37
11 68 13 00-0558	EA		Single, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160315A) .....	2,633.62	153.55
11 68 13 00-0559	EA		Single, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160315B) .....	2,591.29	153.55
11 68 13 00-0560	EA		Double, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160316A) .....	4,518.08	204.73
11 68 13 00-0561	EA		Double, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160316B) .....	4,475.74	204.73
11 68 13 00-0562	EA		The Peak Natural Climber (Landscape Structures® 160418A) .....	6,536.60	255.92
11 68 13 00-0563	EA		The Stepper Natural Climbing Stone (Landscape Structures® 160419A) .....	3,310.95	153.55
11 68 13 00-0564	EA		Double Escalator Climber, Independent Climber, Steel Posts, (Direct Bury Only) (Landscape Structures® 160692A) .....	8,102.92	255.92
11 68 13 00-0565	EA		HealthBeat Outdoor Fitness System, Chest/Back Press, Direct Bury (Landscape Structures® 161309A) .....	5,978.56	204.73
11 68 13 00-0566	EA		HealthBeat Outdoor Fitness System, Chest/Back Press, Surface Mount (Landscape Structures® 161309B) .....	5,668.12	204.73
11 68 13 00-0567	EA		HealthBeat Outdoor Fitness System, Squat Press, Direct Bury (Landscape Structures® 161310A) .....	5,978.56	204.73
11 68 13 00-0568	EA		HealthBeat Outdoor Fitness System, Squat Press, Surface Mount (Landscape Structures® 161310B) .....	5,668.12	204.73
11 68 13 00-0569	EA		HealthBeat Outdoor Fitness System, Tai Chi Wheels, Direct Bury (Landscape Structures® 161311A) .....	3,233.34	153.55
11 68 13 00-0570	EA		HealthBeat Outdoor Fitness System, Tai Chi Wheels, Surface Mount (Landscape Structures® 161311B) .....	2,915.84	153.55
11 68 13 00-0571	EA		HealthBeat Outdoor Fitness System, Cardio Stepper, Direct Bury (Landscape Structures® 161312A) .....	7,474.98	255.92
11 68 13 00-0572	EA		HealthBeat Outdoor Fitness System, Cardio Stepper, Surface Mount (Landscape Structures® 161312B) .....	7,164.54	255.92
11 68 13 00-0573	EA		HealthBeat Outdoor Fitness System, Pull-Up/Dip, Direct Bury (Landscape Structures® 161313A) .....	2,915.84	153.55
11 68 13 00-0574	EA		HealthBeat Outdoor Fitness System, Pull-Up/Dip, Surface Mount (Landscape Structures® 161313B) .....	2,605.40	153.55
11 68 13 00-0575	EA		HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Direct Bury (Landscape Structures® 161314A) .....	2,838.23	153.55
11 68 13 00-0576	EA		HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Surface Mount (Landscape Structures® 161314B) .....	2,605.40	153.55
11 68 13 00-0577	EA		HealthBeat Outdoor Fitness System, Balance Steps, Direct Bury (Landscape Structures® 161315A) .....	3,388.56	153.55
11 68 13 00-0578	EA		HealthBeat Outdoor Fitness System, Balance Steps, Surface Mount (Landscape Structures® 161315B) .....	3,543.78	153.55
11 68 13 00-0579	EA		HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Direct Bury (Landscape Structures® 161316A) .....	2,683.01	153.55



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 68 13 00-0580	EA		HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Surface Mount (Landscape Structures® 161316B) .....	2,605.40	153.55
11 68 13 00-0581	EA		HealthBeat Outdoor Fitness System, Plyometrics, Direct Bury (Landscape Structures® 161317A).....	3,388.56	153.55
11 68 13 00-0582	EA		HealthBeat Outdoor Fitness System, Plyometrics, Surface Mount (Landscape Structures® 161317B).....	3,543.78	153.55
11 68 13 00-0583	EA		HealthBeat Outdoor Fitness System, Welcome Intro Sign, Direct Bury (Landscape Structures® 161437A).....	1,264.22	102.37
11 68 13 00-0584	EA		HealthBeat Outdoor Fitness System, Welcome Intro Sign, Surface Mount (Landscape Structures® 161437B).....	868.46	51.19
11 68 13 00-0585	EA		Global Relief Sign With Frame (Landscape Structures® 162617A).....	776.74	51.19
11 68 13 00-0586	EA		Single, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164074A).....	1,002.52	51.19
11 68 13 00-0587	EA		Single, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164074B).....	1,278.33	102.37
11 68 13 00-0588	EA		Double, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164075A).....	1,934.50	102.37
11 68 13 00-0589	EA		Double, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164075B).....	2,075.60	102.37
11 68 13 00-0590	EA		16" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157A).....	1,482.94	102.37
11 68 13 00-0591	EA		24" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157B).....	1,497.05	102.37

11 68 13 00-0592

Playground Equipment (Landscape Structures® PlayBooster®) (11 68 13 00-0122)

11 68 13 00-0593	EA		116" Aluminum Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273A) .....	1,384.17	102.37
11 68 13 00-0594	EA		Log Roll, (1) Aluminum Post, Tan Log Only (Landscape Structures® PlayBooster® 111356A).....	1,482.94	102.37
11 68 13 00-0595	EA		Chinning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357A).....	593.30	51.19
11 68 13 00-0596	EA		Turning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357B).....	565.07	51.19
11 68 13 00-0597	EA		182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403A).....	451.88	25.59
11 68 13 00-0598	EA		174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403B).....	444.82	25.59
11 68 13 00-0599	EA		166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403C).....	423.66	25.59
11 68 13 00-0600	EA		158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403D).....	416.60	25.59
11 68 13 00-0601	EA		150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403E).....	395.44	25.59
11 68 13 00-0602	EA		142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403F).....	388.38	25.59
11 68 13 00-0603	EA		134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403G).....	374.27	25.59
11 68 13 00-0604	EA		126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403H).....	367.21	25.59
11 68 13 00-0605	EA		118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403I).....	346.05	25.59
11 68 13 00-0606	EA		110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403J).....	338.99	25.59
11 68 13 00-0607	EA		148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404A).....	395.44	25.59
11 68 13 00-0608	EA		140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404B).....	381.32	25.59
11 68 13 00-0609	EA		132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404C).....	374.27	25.59
11 68 13 00-0610	EA		124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404D).....	367.21	25.59
11 68 13 00-0611	EA		116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404E).....	346.05	25.59
11 68 13 00-0612	EA		108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404F).....	338.99	25.59
11 68 13 00-0613	EA		100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404G).....	331.94	25.59
11 68 13 00-0614	EA		92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404H).....	317.82	25.59
11 68 13 00-0615	EA		84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404I).....	303.71	25.59
11 68 13 00-0616	EA		76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404J).....	282.55	25.59
11 68 13 00-0617	EA		106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405A).....	558.02	51.19
11 68 13 00-0618	EA		98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405B).....	536.85	51.19
11 68 13 00-0619	EA		90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405C).....	515.69	51.19
11 68 13 00-0620	EA		82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405D).....	458.93	25.59
11 68 13 00-0621	EA		74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405E).....	451.88	25.59
11 68 13 00-0622	EA		66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405F).....	437.77	25.59
11 68 13 00-0623	EA		58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405G).....	416.60	25.59
11 68 13 00-0624	EA		50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405H).....	409.55	25.59
11 68 13 00-0625	EA		42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405I).....	395.44	25.59
11 68 13 00-0626	EA		ClouDirect Buryurst Triple Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 144414A).....	4,454.10	170.62
11 68 13 00-0627	EA		TurboTwister Tunnel Slide, 96" Deck, Excludes Posts (Landscape Structures® PlayBooster® 123763A).....	5,756.00	460.66
11 68 13 00-0628	EA		Double Poly Slide, 32" Deck (Landscape Structures® PlayBooster® 123331A).....	1,906.58	127.96
11 68 13 00-0629	EA		Double Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123331B).....	2,111.19	127.96
11 68 13 00-0630	EA		Double Swoosh Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 130390A).....	2,450.18	153.55
11 68 13 00-0631	EA		40" Deck, El Slide (Landscape Structures® PlayBooster® 126368A).....	2,986.24	145.02
11 68 13 00-0632	EA		48" Deck, El Slide (Landscape Structures® PlayBooster® 126368B).....	3,402.67	153.55
11 68 13 00-0633	EA		56" Deck, El Slide (Landscape Structures® PlayBooster® 126368C).....	3,600.23	153.55
11 68 13 00-0634	EA		64" Deck, El Slide (Landscape Structures® PlayBooster® 126368D).....	4,030.77	170.62
11 68 13 00-0635	EA		72" Deck, El Slide (Landscape Structures® PlayBooster® 126368E).....	4,221.26	170.62
11 68 13 00-0636	EA		96" Deck, El Slide, Excludes Posts (Landscape Structures® PlayBooster® 126368F).....	5,647.13	221.79
11 68 13 00-0637	EA		Firepole With Permalene® Handholds 32"-48" Deck (Landscape Structures® PlayBooster® 148426A).....	883.23	102.37
11 68 13 00-0638	EA		Firepole With Permalene® Handholds 56"-72" Deck (Landscape Structures® PlayBooster® 148426B).....	904.39	102.37
11 68 13 00-0639	EA		Firepole With SteelX® Handholds 32"-48" Deck (Landscape Structures® PlayBooster® 148435A).....	1,193.67	102.37
11 68 13 00-0640	EA		Firepole With SteelX® Handholds 56"-72" Deck (Landscape Structures® PlayBooster® 148435B).....	1,228.94	102.37
11 68 13 00-0641	EA		32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800A).....	4,512.31	307.11
11 68 13 00-0642	EA		40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800B).....	5,203.75	307.11
11 68 13 00-0643	EA		48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800C).....	5,605.91	307.11
11 68 13 00-0644	EA		56" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800D).....	6,623.19	409.47
11 68 13 00-0645	EA		64" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800E).....	6,785.47	409.47
11 68 13 00-0646	EA		72" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800F).....	7,928.46	409.47
11 68 13 00-0647	EA		96" Deck, Gemini SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 130800G).....	9,347.89	511.84
11 68 13 00-0648	EA		40" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333A).....	7,368.82	230.33
11 68 13 00-0649	EA		56" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333B).....	9,267.40	281.51
11 68 13 00-0650	EA		Single Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123337A).....	1,624.05	102.37
11 68 13 00-0651	EA		32" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863A).....	2,153.85	153.55
11 68 13 00-0652	EA		40" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863B).....	2,400.79	153.55
11 68 13 00-0653	EA		48" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863C).....	2,675.96	153.55
11 68 13 00-0654	EA		56" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863D).....	3,036.42	204.73
11 68 13 00-0655	EA		64" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863E).....	3,163.42	204.73
11 68 13 00-0656	EA		72" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863F).....	3,614.97	204.73
11 68 13 00-0657	EA		96" Deck, SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 124863G).....	4,321.18	255.92
11 68 13 00-0658	EA		72" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033A).....	6,432.37	383.88
11 68 13 00-0659	EA		72" Slide, With Hanger Bracket, 64" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033B).....	6,678.83	349.76
11 68 13 00-0660	EA		56" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033C).....	5,839.70	383.88
11 68 13 00-0661	EA		56" Slide, With Hanger Bracket, 48" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033D).....	6,065.00	349.76

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0662	EA		32" - 40" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340A).....	2,308.74	127.96
11 68 13 00-0663	EA		48" - 56" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340B).....	2,513.35	127.96
11 68 13 00-0664	EA		64" - 72" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340C).....	3,106.02	127.96
11 68 13 00-0665	EA		32" - 40" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945A).....	2,555.69	127.96
11 68 13 00-0666	EA		48" - 56" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945B).....	2,760.30	127.96
11 68 13 00-0667	EA		64" - 72" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945C).....	3,367.07	127.96
11 68 13 00-0668	EA		32" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367A).....	2,605.07	127.96
11 68 13 00-0669	EA		40" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367B).....	2,760.30	127.96
11 68 13 00-0670	EA		48" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367C).....	3,176.74	145.02
11 68 13 00-0671	EA		56" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367D).....	3,360.34	153.55
11 68 13 00-0672	EA		64" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367E).....	3,755.45	153.55
11 68 13 00-0673	EA		72" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367F).....	3,889.50	153.55
11 68 13 00-0674	EA		96" Deck, Tunnel Slide, Excludes Posts (Landscape Structures® PlayBooster® 126367G).....	5,131.90	204.73
11 68 13 00-0675	EA		Step Deck, 16" - 32" Decks, Brown Only (Landscape Structures® PlayBooster® 111465A).....	931.96	51.19
11 68 13 00-0676	EA		Sky Rail Climber, 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 146812A).....	1,644.89	76.77
11 68 13 00-0677	EA		Stepping Block Climber, 32" Deck Height Difference (Landscape Structures® PlayBooster® 130742A).....	3,720.17	153.55
11 68 13 00-0678	EA		32" Deck, Block Climber (Landscape Structures® PlayBooster® 135344A).....	2,401.27	196.21
11 68 13 00-0679	EA		40" Deck, Block Climber (Landscape Structures® PlayBooster® 135344B).....	2,796.38	196.21
11 68 13 00-0680	EA		32" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491A).....	2,718.77	196.21
11 68 13 00-0681	EA		40" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491B).....	3,127.99	196.21
11 68 13 00-0682	EA		Fish Net Climber, CableCore Climbing Cable, 16" - 32" Deck (Landscape Structures® PlayBooster® 126194A).....	2,950.97	145.02
11 68 13 00-0683	EA		Wavy Web Climber, 48" - 56" Deck (Landscape Structures® PlayBooster® 126273A).....	2,894.68	153.55
11 68 13 00-0684	EA		Wavy Web Climber, 64" - 72" Deck (Landscape Structures® PlayBooster® 126273B).....	3,106.34	153.55
11 68 13 00-0685	EA		Wavy Web Climber, 48" - 56" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442A).....	3,487.34	153.55
11 68 13 00-0686	EA		Wavy Web Climber, 64" - 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442B).....	3,691.95	153.55
11 68 13 00-0687	EA		Circus Ladder, CableCore Climbing Cable, 48" Deck (Landscape Structures® PlayBooster® 126272B).....	1,405.97	153.55
11 68 13 00-0688	EA		Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck (Landscape Structures® PlayBooster® 126272C).....	1,483.58	153.55
11 68 13 00-0689	EA		Circus Ladder, CableCore Climbing Cable, 72" Deck (Landscape Structures® PlayBooster® 126272D).....	1,582.35	153.55
11 68 13 00-0690	EA		Circus Ladder, CableCore Climbing Cable, 32" - 40" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441A).....	1,913.96	153.55
11 68 13 00-0691	EA		Circus Ladder, CableCore Climbing Cable, 48" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441B).....	1,991.57	153.55
11 68 13 00-0692	EA		Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441C).....	2,090.35	153.55
11 68 13 00-0693	EA		Circus Ladder, CableCore Climbing Cable, 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441D).....	2,167.96	153.55
11 68 13 00-0694	EA		Spider Web Climber, 16" - 32" Decks (Direct Bury Only) (Landscape Structures® PlayBooster® 136158A).....	3,106.98	204.73
11 68 13 00-0695	EA		Chimney Climber, 56" - 64" Deck (Landscape Structures® PlayBooster® 153617A).....	3,995.97	204.73
11 68 13 00-0696	EA		Chimney Climber, 72" Deck (Landscape Structures® PlayBooster® 153617B).....	4,518.08	204.73
11 68 13 00-0697	EA		Chimney Climb Across, Straight, 72" To 72" Deck Or 64" To 64" Deck (Landscape Structures® PlayBooster® 155042A).....	5,654.01	204.73
11 68 13 00-0698	EA		Chimney Climb Across, Straight, 56" To 56" Deck (Landscape Structures® PlayBooster® 155042B).....	5,103.68	204.73
11 68 13 00-0699	EA		Chimney Climb Across, Straight, 48" To 48" Deck Or 40" To 40" Deck (Landscape Structures® PlayBooster® 155042C).....	4,518.08	204.73
11 68 13 00-0700	EA		Chimney Climb Across, Straight, 32" To 32" Deck (Landscape Structures® PlayBooster® 155042D).....	3,911.30	204.73
11 68 13 00-0701	EA		Chimney Climb Across, 24" Difference, 72" To 48" Deck Or 64" To 40" Deck (Landscape Structures® PlayBooster® 155043A).....	5,442.35	204.73
11 68 13 00-0702	EA		Chimney Climb Across, 24" Difference, 56" To 32" Deck (Landscape Structures® PlayBooster® 155043B).....	5,103.68	204.73
11 68 13 00-0703	EA		Chimney Climb Across, 24" Difference, 48" To 24" Deck (Landscape Structures® PlayBooster® 155043C).....	4,765.02	204.73
11 68 13 00-0704	EA		48" - 56" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975A).....	2,400.79	153.55
11 68 13 00-0705	EA		64" - 72" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975B).....	3,113.40	153.55
11 68 13 00-0706	EA		24" Deck Height Difference, Catwalk Climber (Landscape Structures® PlayBooster® 128986A).....	1,871.30	127.96
11 68 13 00-0707	EA		48" - 56" Deck, Centipede Climber (Landscape Structures® PlayBooster® 123291A).....	1,603.04	119.43
11 68 13 00-0708	EA		48" - 56" Deck, 90 Degree Tri-Deck, Centipede Climber (Landscape Structures® PlayBooster® 126376A).....	2,153.37	119.43
11 68 13 00-0709	EA		48" - 56" Deck, SteelX, Centipede Climber (Landscape Structures® PlayBooster® 139496A).....	1,906.43	119.43
11 68 13 00-0710	EA		40" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352A).....	1,694.92	127.96
11 68 13 00-0711	EA		48" - 56" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352B).....	1,779.58	127.96
11 68 13 00-0712	EA		64" - 72" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352C).....	1,850.14	127.96
11 68 13 00-0713	EA		40" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350A).....	1,074.03	127.96
11 68 13 00-0714	EA		48" - 56" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350B).....	1,130.48	127.96
11 68 13 00-0715	EA		64" - 72" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350C).....	1,222.20	127.96
11 68 13 00-0716	EA		40" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351A).....	1,377.42	127.96
11 68 13 00-0717	EA		48" - 56" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351B).....	1,433.86	127.96
11 68 13 00-0718	EA		64" - 72" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351C).....	1,511.47	127.96
11 68 13 00-0719	EA		48" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570A).....	1,850.14	127.96
11 68 13 00-0720	EA		56" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570B).....	1,864.25	127.96
11 68 13 00-0721	EA		64" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570C).....	2,195.86	127.96
11 68 13 00-0722	EA		72" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570D).....	2,209.97	127.96
11 68 13 00-0723	EA		48" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501A).....	2,146.47	127.96
11 68 13 00-0724	EA		56" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501B).....	2,181.74	127.96
11 68 13 00-0725	EA		64" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501C).....	2,513.35	127.96
11 68 13 00-0726	EA		72" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501D).....	2,534.52	127.96
11 68 13 00-0727	EA		72" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199A).....	4,207.33	179.15
11 68 13 00-0728	EA		40" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199B).....	3,445.33	179.15
11 68 13 00-0729	EA		32" - 48" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432A).....	1,207.78	102.37
11 68 13 00-0730	EA		56" - 72" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432B).....	1,363.00	102.37
11 68 13 00-0731	EA		32" - 48" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437A).....	1,518.22	102.37
11 68 13 00-0732	EA		56" - 72" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437B).....	1,715.77	102.37
11 68 13 00-0733	EA		64" - 72" Deck, Corner Climber (Landscape Structures® PlayBooster® 143198A).....	4,109.18	230.33
11 68 13 00-0734	EA		SpaceLink Climber, Net Climber, 72" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145106A).....	5,659.47	76.77
11 68 13 00-0735	EA		Manta Ray Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108A).....	5,611.68	204.73
11 68 13 00-0736	EA		Manta Ray Climber, Net Climber, 56" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108B).....	5,611.68	204.73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0737 EA Manta Ray Climber, 64" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108C).....	5,611.68	204.73
11 68 13 00-0738 EA SpaceLink Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145240A).....	5,659.47	76.77
11 68 13 00-0739 EA Star Seeker Climber, Net Climber, 72" Deck (Attaches To Square Decks Only, Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 148039A).....	3,571.37	102.37
11 68 13 00-0740 EA SpaceWalk Climber, Net Climber, Deck-To-Deck, 32" - 48" Deck (Landscape Structures® PlayBooster® 145107A).....	7,310.79	102.37
11 68 13 00-0741 EA Funnel Climber, Net Climber (Landscape Structures® PlayBooster® 145109A).....	4,044.40	127.96
11 68 13 00-0742 EA Funnel Climber, Short Brace, Net Climber (Landscape Structures® PlayBooster® 145248A).....	183.77	25.59
11 68 13 00-0743 EA Funnel Climber, Long Brace, Net Climber (Landscape Structures® PlayBooster® 145249A).....	211.99	25.59
11 68 13 00-0744 EA Funnel Climber, Vertical Ladder, Net Climber (Landscape Structures® PlayBooster® 145250A).....	797.60	25.59
11 68 13 00-0745 EA Funnel Climber, Handhold Panels, Net Climber (Landscape Structures® PlayBooster® 145251A).....	282.55	25.59
11 68 13 00-0746 EA 40" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293A).....	2,513.68	153.55
11 68 13 00-0747 EA 48" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293B).....	2,697.12	153.55
11 68 13 00-0748 EA 40" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374A).....	2,824.12	153.55
11 68 13 00-0749 EA 48" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374B).....	3,085.18	153.55
11 68 13 00-0750 EA 40" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500A).....	2,824.12	153.55
11 68 13 00-0751 EA 48" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500B).....	3,028.73	153.55
11 68 13 00-0752 EA 1-Step With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907A).....	1,412.06	76.77
11 68 13 00-0753 EA 2-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907B).....	2,004.72	76.77
11 68 13 00-0754 EA 3-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907C).....	2,604.44	76.77
11 68 13 00-0755 EA 4-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907D).....	3,197.10	76.77
11 68 13 00-0756 EA 1-Step With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908A).....	1,362.67	76.77
11 68 13 00-0757 EA 2-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908B).....	1,560.23	76.77
11 68 13 00-0758 EA 3-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908C).....	1,764.84	76.77
11 68 13 00-0759 EA 4-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908D).....	1,849.50	76.77
11 68 13 00-0760 EA 1-Step With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910A).....	1,630.78	76.77
11 68 13 00-0761 EA 2-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910B).....	1,842.45	76.77
11 68 13 00-0762 EA 3-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910C).....	2,040.00	76.77
11 68 13 00-0763 EA 4-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910D).....	2,237.55	76.77
11 68 13 00-0764 EA 48" To 48" Deck Or 56" To 56" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916A).....	3,861.61	179.15
11 68 13 00-0765 EA 64" To 64" Deck Or 72" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916B).....	3,960.38	179.15
11 68 13 00-0766 EA 48" To 64" Deck Or 56" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916C).....	3,903.94	179.15
11 68 13 00-0767 EA 48" To 48" Deck Or 56" To 56" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488A).....	4,489.55	179.15
11 68 13 00-0768 EA 64" To 64" Deck Or 72" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488B).....	4,588.32	179.15
11 68 13 00-0769 EA 48" To 64" Deck Or 56" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488C).....	4,545.99	179.15
11 68 13 00-0770 EA 40" - 48" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914A).....	1,497.36	127.96
11 68 13 00-0771 EA 56" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914B).....	1,645.53	127.96
11 68 13 00-0772 EA 64" - 72" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914C).....	1,800.75	127.96
11 68 13 00-0773 EA 40" - 48" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688A).....	1,935.13	153.55
11 68 13 00-0774 EA 56" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688B).....	2,090.35	153.55
11 68 13 00-0775 EA 64" - 72" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688C).....	2,238.52	153.55
11 68 13 00-0776 EA 40" - 48" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493A).....	1,807.80	127.96
11 68 13 00-0777 EA 56" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493B).....	1,948.91	127.96
11 68 13 00-0778 EA 64" - 72" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493C).....	2,111.19	127.96
11 68 13 00-0779 EA 40" - 48" Deck, Loop Ladder (Landscape Structures® PlayBooster® 128252A).....	1,038.45	102.37
11 68 13 00-0780 EA 40" - 48" Deck, SteelX, Loop Ladder (Landscape Structures® PlayBooster® 139495A).....	1,348.89	102.37
11 68 13 00-0781 EA 32" - 48" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434A).....	1,207.78	102.37
11 68 13 00-0782 EA 56" - 72" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434B).....	1,306.56	102.37
11 68 13 00-0783 EA 32" - 48" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438A).....	1,518.22	102.37
11 68 13 00-0784 EA 56" - 72" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438B).....	1,602.89	102.37
11 68 13 00-0785 EA 24" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247A).....	896.86	68.25
11 68 13 00-0786 EA 32" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247B).....	988.58	68.25
11 68 13 00-0787 EA 40" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247C).....	1,101.47	68.25
11 68 13 00-0788 EA 48" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247D).....	1,320.34	76.77
11 68 13 00-0789 EA 56" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247E).....	1,489.67	76.77
11 68 13 00-0790 EA 64" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247F).....	1,644.89	76.77
11 68 13 00-0791 EA 72" Deck-To-Ground, Panel Vertical Ladder (Landscape Structures® PlayBooster® 116247G).....	1,856.56	76.77
11 68 13 00-0792 EA 48" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915A).....	1,934.17	76.77
11 68 13 00-0793 EA 64" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915B).....	2,004.72	76.77
11 68 13 00-0794 EA 48" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487A).....	2,244.61	76.77
11 68 13 00-0795 EA 64" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487B).....	2,322.22	76.77
11 68 13 00-0796 EA 48" - 56" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913A).....	1,913.64	127.96
11 68 13 00-0797 EA 64" - 72" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913B).....	2,005.36	127.96
11 68 13 00-0798 EA 48" - 56" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375A).....	2,619.51	153.55
11 68 13 00-0799 EA 64" - 72" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375B).....	2,732.40	153.55
11 68 13 00-0800 EA 48" - 56" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490A).....	2,224.08	127.96
11 68 13 00-0801 EA 64" - 72" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490B).....	2,308.74	127.96
11 68 13 00-0802 EA 32" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533A).....	1,017.28	102.37
11 68 13 00-0803 EA 40" - 48" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533B).....	1,363.00	102.37
11 68 13 00-0804 EA 56" - 64" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533C).....	1,715.93	119.43
11 68 13 00-0805 EA 72" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533D).....	2,068.70	119.43
11 68 13 00-0806 EA 32" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246A).....	1,652.28	102.37
11 68 13 00-0807 EA 40" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246B).....	1,758.11	102.37
11 68 13 00-0808 EA 48" - 56" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246C).....	2,005.05	102.37
11 68 13 00-0809 EA 64" - 72" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246D).....	2,251.99	102.37

## 11 Equipment

## 11 60 Entertainment and Recreation Equipment

## 11 68 Play Field Equipment and Structures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0810	EA		32" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492A).....	1,969.77	102.37
11 68 13 00-0811	EA		40" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492B).....	2,068.55	102.37
11 68 13 00-0812	EA		48" - 56" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492C).....	2,315.49	102.37
11 68 13 00-0813	EA		64" - 72" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492D).....	2,569.49	102.37
11 68 13 00-0814	EA		Mini Summit Climber 40"-48" Decks (Landscape Structures® PlayBooster® 153076A).....	1,230.99	153.55
11 68 13 00-0815	EA		64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 128608A).....	1,447.67	102.37
11 68 13 00-0816	EA		PlayOdyssey 72" Deck (Landscape Structures® PlayBooster® 129453A).....	1,589.41	153.55
11 68 13 00-0817	EA		48" Deck-To-Ground, Thunderhead Climber With Aluminum Posts (Landscape Structures® PlayBooster® 139778A).....	6,460.91	409.47
11 68 13 00-0818	EA		48" Deck-To-Ground, Thunderhead Climber With Steel Posts (Landscape Structures® PlayBooster® 139778B).....	6,460.91	409.47
11 68 13 00-0819	EA		48" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624A).....	1,292.44	102.37
11 68 13 00-0820	EA		56" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624B).....	1,292.44	102.37
11 68 13 00-0821	EA		64" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624C).....	1,426.50	102.37
11 68 13 00-0822	EA		72" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624D).....	1,426.50	102.37
11 68 13 00-0823	EA		24" - 32" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249A).....	833.51	76.77
11 68 13 00-0824	EA		40" - 48" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249B).....	897.01	76.77
11 68 13 00-0825	EA		56" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249C).....	939.34	76.77
11 68 13 00-0826	EA		64" - 72" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249D).....	995.79	116.27
11 68 13 00-0827	EA		24" - 32" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372A).....	1,306.23	76.77
11 68 13 00-0828	EA		40" - 48" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372B).....	1,362.67	76.77
11 68 13 00-0829	EA		56" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372C).....	1,412.06	76.77
11 68 13 00-0830	EA		64" - 72" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372D).....	1,475.56	76.77
11 68 13 00-0831	EA		24" - 32" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494A).....	1,136.90	76.77
11 68 13 00-0832	EA		40" - 48" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494B).....	1,179.23	76.77
11 68 13 00-0833	EA		56" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494C).....	1,242.73	76.77
11 68 13 00-0834	EA		64" - 72" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494D).....	1,306.23	76.77
11 68 13 00-0835	EA		56" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284D).....	968.20	127.96
11 68 13 00-0836	EA		64" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284E).....	1,003.48	127.96
11 68 13 00-0837	EA		72" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284F).....	1,066.98	127.96
11 68 13 00-0838	EA		32" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371A).....	1,349.20	127.96
11 68 13 00-0839	EA		40" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371B).....	1,405.64	127.96
11 68 13 00-0840	EA		48" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371C).....	1,447.97	127.96
11 68 13 00-0841	EA		56" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371D).....	1,497.36	127.96
11 68 13 00-0842	EA		64" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371E).....	1,546.75	127.96
11 68 13 00-0843	EA		72" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371F).....	1,596.14	127.96
11 68 13 00-0844	EA		32" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502A).....	1,130.48	127.96
11 68 13 00-0845	EA		40" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502B).....	1,186.92	127.96
11 68 13 00-0846	EA		48" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502C).....	1,222.20	127.96
11 68 13 00-0847	EA		56" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502D).....	1,257.47	127.96
11 68 13 00-0848	EA		64" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502E).....	1,299.81	127.96
11 68 13 00-0849	EA		72" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502F).....	1,363.31	127.96
11 68 13 00-0850	EA		Overhead Events Air Dancer Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 121952A).....	1,934.50	102.37
11 68 13 00-0851	EA		Overhead Events Swing Out Overhead Event, 16" Deck Height Only (Landscape Structures® PlayBooster® 120872A).....	1,362.67	76.77
11 68 13 00-0852	EA		Overhead Events Triple Ring Fling Overhead Event, 24" Or 32" Deck-To-Ground (Landscape Structures® PlayBooster® 123824A).....	2,732.40	153.55
11 68 13 00-0853	EA		Overhead Events Ring Pull, Brown Rings Only, Intended For Wheelchair Users (Landscape Structures® PlayBooster® 130873A).....	685.02	51.19
11 68 13 00-0854	EA		Overhead Events 90 Degree Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142890A).....	1,934.50	102.37
11 68 13 00-0855	EA		Overhead Events Circular Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142891A).....	3,480.28	153.55
11 68 13 00-0856	EA		Overhead Events C-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142883A).....	2,760.30	127.96
11 68 13 00-0857	EA		Overhead Events Ring-a-Ling Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 126203A).....	2,619.51	153.55
11 68 13 00-0858	EA		Overhead Events Wave Net, CableCore Climbing Cable, Max. 32" Decks (Landscape Structures® PlayBooster® 126274A).....	2,929.63	127.96
11 68 13 00-0859	EA		Overhead Events Trapeze Horizontal Ladder, 18" Wide, Max. 32" Decks (Landscape Structures® PlayBooster® 111468A).....	1,892.47	127.96
11 68 13 00-0860	EA		Overhead Events Inclined Horizontal Ladder, 16" - 32" Decks, 16" Incline (Landscape Structures® PlayBooster® 142889A).....	1,200.07	51.19
11 68 13 00-0861	EA		Overhead Events Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142887A).....	1,171.85	51.19
11 68 13 00-0862	EA		Overhead Events Overhead Parallel Bars, Max. 32" Decks (Landscape Structures® PlayBooster® 119430A).....	1,235.35	51.19
11 68 13 00-0863	EA		Overhead Events Horizontal Ladder, 84" Module, Max. 16" Decks, 12" Max. Rung Spacing (Landscape Structures® PlayBooster® 139782A).....	953.13	51.19
11 68 13 00-0864	EA		Overhead Events Wave Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 119613A).....	1,320.01	51.19
11 68 13 00-0865	EA		Overhead Events Single Beam Loop Horizontal Ladder, 84" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119805A).....	1,058.96	51.19
11 68 13 00-0866	EA		Overhead Events Single Beam Loop Horizontal Ladder, 123" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119806A).....	1,348.23	51.19
11 68 13 00-0867	EA		Overhead Events S-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142884A).....	2,760.30	127.96
11 68 13 00-0868	EA		Overhead Events Single S-Parallel Bar, Max. 32" Decks (Landscape Structures® PlayBooster® 119979A).....	1,171.85	51.19
11 68 13 00-0869	EA		Overhead Events Wiggle Ring Bridge, Max. 32" Decks (Landscape Structures® PlayBooster® 148639A).....	2,025.26	25.59
11 68 13 00-0870	EA		Overhead Events S-Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467A).....	1,736.61	76.77
11 68 13 00-0871	EA		Overhead Events Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467B).....	1,539.06	76.77
11 68 13 00-0872	EA		116" Steel Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273B).....	1,320.67	102.37
11 68 13 00-0873	EA		132" Steel Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208B).....	1,391.22	102.37
11 68 13 00-0874	EA		10' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 111353A).....	2,597.71	102.37
11 68 13 00-0875	EA		18' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 112465A).....	2,922.26	102.37
11 68 13 00-0876	EA		16" - 24" Decks, Spring Across Bridge (Landscape Structures® PlayBooster® 136156A).....	3,714.08	230.33
11 68 13 00-0877	EA		90 Degree, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120211A).....	4,723.34	255.92
11 68 13 00-0878	EA		C Or S, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120689A).....	10,229.83	511.84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0879	EA		16"-32" Deck, Pod Bridge, Direct Bury (Landscape Structures® PlayBooster® 127234A).....	5,605.91	307.11
11 68 13 00-0880	EA		42" Module, Arch Bridge, Permalene Barrier, Bridge Plank (Landscape Structures® PlayBooster® 114665A).....	2,223.12	51.19
11 68 13 00-0881	EA		42" Module, Arch Bridge, SteelX, Bridge Plank (Landscape Structures® PlayBooster® 139383A).....	2,371.28	51.19
11 68 13 00-0882	EA		123" Module, Arch Bridge With Guardrail, Max. 40" Decks (Landscape Structures® PlayBooster® 143677A).....	4,326.62	127.96
11 68 13 00-0883	EA		123" Module, Arch Bridge With Barrier, Max. 72" Decks (Landscape Structures® PlayBooster® 143677B).....	5,575.44	127.96
11 68 13 00-0884	EA		42" Module, Belt Bridge, Permalene Barrier (Landscape Structures® PlayBooster® 114373A).....	2,265.78	76.77
11 68 13 00-0885	EA		84" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120310A).....	3,424.47	204.73
11 68 13 00-0886	EA		123" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120624A).....	3,960.69	204.73
11 68 13 00-0887	EA		Bridge/Ramp Transition Bracket, Brown Only (Landscape Structures® PlayBooster® 111345A).....	338.99	25.59
11 68 13 00-0888	EA		Ramp Exit/Wall Mount Plate, Surface Mount, Brown Only (Landscape Structures® PlayBooster® 111346A).....	508.96	76.77
11 68 13 00-0889	EA		Ramp Exit Plate, Direct Bury, Brown Only (Landscape Structures® PlayBooster® 111346B).....	621.84	76.77
11 68 13 00-0890	EA		Ramp Berm Exit Plate, Brown Only (Landscape Structures® PlayBooster® 120325A).....	494.85	76.77
11 68 13 00-0891	EA		84" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143194A).....	3,699.00	153.55
11 68 13 00-0892	EA		123" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143195A).....	4,687.10	179.15
11 68 13 00-0893	EA		84" Module, Clatterbridge, Brown Planks Only, With Barrier For 24"-72" Decks (Landscape Structures® PlayBooster® 147424A).....	5,314.71	153.55
11 68 13 00-0894	EA		123" Module, Clatterbridge, Brown Planks Only, With Barrier For 24"-72" Decks (Landscape Structures® PlayBooster® 147425A).....	6,500.04	153.55
11 68 13 00-0895	EA		84" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 120873A).....	3,221.80	358.29
11 68 13 00-0896	EA		123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 121416A).....	4,464.21	409.47
11 68 13 00-0897	EA		S-Disc Challenge, 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 136157A).....	4,464.21	409.47
11 68 13 00-0898	EA		16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Barriers (Landscape Structures® PlayBooster® 152443A).....	3,316.72	51.19
11 68 13 00-0899	EA		16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Guardrails (Landscape Structures® PlayBooster® 152444A).....	2,166.67	51.19
11 68 13 00-0900	EA		Wire Crawl Tunnel (Landscape Structures® PlayBooster® 119641A).....	2,492.84	179.15
11 68 13 00-0901	EA		64" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204B).....	2,759.99	102.37
11 68 13 00-0902	EA		90 Degree Curved, 8" - 72" Deck, Crawl Tunnel (Landscape Structures® PlayBooster® 142892A).....	3,275.04	102.37
11 68 13 00-0903	EA		32" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204A).....	2,110.88	102.37
11 68 13 00-0904	EA		C-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088A).....	5,385.90	204.73
11 68 13 00-0905	EA		S-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088B).....	5,385.90	204.73
11 68 13 00-0906	EA		C-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089A).....	5,385.90	204.73
11 68 13 00-0907	EA		S-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089B).....	5,385.90	204.73
11 68 13 00-0908	EA		24" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 129042A).....	3,445.33	179.15
11 68 13 00-0909	EA		8" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 119930A).....	3,050.22	179.15
11 68 13 00-0910	EA		16" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 122589A).....	3,149.00	179.15
11 68 13 00-0911	EA		Math Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115232A).....	1,687.07	68.25
11 68 13 00-0912	EA		Spelling Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115233A).....	1,602.41	68.25
11 68 13 00-0913	EA		Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 117146A).....	1,891.51	51.19
11 68 13 00-0914	EA		Hourglass Panel, Enclosure (Landscape Structures® PlayBooster® 123319A).....	1,461.12	51.19
11 68 13 00-0915	EA		Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayBooster® 127681A).....	1,404.85	68.25
11 68 13 00-0916	EA		Slant Window Panel, Enclosure (Landscape Structures® PlayBooster® 115222A).....	1,299.02	68.25
11 68 13 00-0917	EA		Bubble Panel, Enclosure (Landscape Structures® PlayBooster® 115223A).....	861.40	51.19
11 68 13 00-0918	EA		Puppet Panel, Enclosure (Landscape Structures® PlayBooster® 115225A).....	635.63	51.19
11 68 13 00-0919	EA		Zoo Panel, Enclosure (Landscape Structures® PlayBooster® 115227A).....	642.68	51.19
11 68 13 00-0920	EA		Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115236A).....	1,235.35	51.19
11 68 13 00-0921	EA		Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 127678A).....	1,002.69	68.25
11 68 13 00-0922	EA		Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115229A).....	769.68	51.19
11 68 13 00-0923	EA		Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115230A).....	769.68	51.19
11 68 13 00-0924	EA		Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115234A).....	1,171.85	51.19
11 68 13 00-0925	EA		Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 119514A).....	1,122.46	51.19
11 68 13 00-0926	EA		Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123483A).....	1,327.07	51.19
11 68 13 00-0927	EA		Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123844A).....	1,581.07	51.19
11 68 13 00-0928	EA		Chimes Panel, Enclosure (Landscape Structures® PlayBooster® 115243A).....	1,461.12	51.19
11 68 13 00-0929	EA		Puppet Panel With Window Above Deck, Enclosure (Landscape Structures® PlayBooster® 115226A).....	783.79	51.19
11 68 13 00-0930	EA		Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240A).....	1,313.28	76.77
11 68 13 00-0931	EA		Balcony Deck, With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240B).....	1,510.84	76.77
11 68 13 00-0932	EA		Driver Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139382A).....	953.13	51.19
11 68 13 00-0933	EA		Driver Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139382B).....	1,101.29	51.19
11 68 13 00-0934	EA		Driver Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115228A).....	882.57	51.19
11 68 13 00-0935	EA		Storefront Panel, SteelX, Ground-Level Panel (Landscape Structures® PlayBooster® 139378A).....	741.46	51.19
11 68 13 00-0936	EA		Hole Panel (SteelX®), Ground-Level Panel (Landscape Structures® PlayBooster® 139381A).....	706.18	51.19
11 68 13 00-0937	EA		Slant Entrance Panel, 24" Diameter, Ground-Level Panel (Landscape Structures® PlayBooster® 115242A).....	1,214.66	93.83
11 68 13 00-0938	EA		Sand And Water Panel, Ground-Level Panel, Tan Dish Only (Landscape Structures® PlayBooster® 115257A).....	1,630.78	76.77
11 68 13 00-0939	EA		Table Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 130565A).....	1,108.52	68.25
11 68 13 00-0940	EA		Hole Panel (Permalene®), Ground-Level Panel (Landscape Structures® PlayBooster® 115253A).....	635.63	51.19
11 68 13 00-0941	EA		Storefront Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 115254A).....	656.80	51.19
11 68 13 00-0942	EA		2 Panels, Handhold Panel (Landscape Structures® PlayBooster® 127953A).....	317.82	25.59
11 68 13 00-0943	EA		1 Panel, Handhold Panel (Landscape Structures® PlayBooster® 127953B).....	159.61	17.06
11 68 13 00-0944	EA		House Panel (SteelX®) Above Deck (Landscape Structures® PlayBooster® 139380A).....	833.03	42.66
11 68 13 00-0945	EA		House Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139380B).....	995.46	51.19
11 68 13 00-0946	EA		House Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115235A).....	720.30	51.19
11 68 13 00-0947	EA		Periscope Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139379A).....	1,813.90	51.19
11 68 13 00-0948	EA		Periscope Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 117957A).....	1,581.07	51.19
11 68 13 00-0949	EA		Periscope Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139379B).....	1,976.17	51.19
11 68 13 00-0950	EA		Pipe Barrier Above Deck, Without Wheel (Landscape Structures® PlayBooster® 116244A).....	656.80	51.19
11 68 13 00-0951	EA		Pipe Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680A).....	706.36	68.25

## 11 Equipment

## 11 60 Entertainment and Recreation Equipment

## 11 68 Play Field Equipment and Structures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0952	EA		Pipe Barrier Above Deck, With Wheel (Landscape Structures® PlayBooster® 116244B).....	840.24	51.19
11 68 13 00-0953	EA		Pipe Barrier, With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680B).....	903.91	68.25
11 68 13 00-0954	EA		Pipe Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921A).....	699.13	51.19
11 68 13 00-0955	EA		Pipe Barrier, With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921B).....	896.68	51.19
11 68 13 00-0956	EA		Pipe Guardrail (Landscape Structures® PlayBooster® 116245A).....	565.07	51.19
11 68 13 00-0957	EA		Pipe Guardrail, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117681A).....	720.47	68.25
11 68 13 00-0958	EA		Wheelchair Accessible Navigator Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127439A).....	684.71	25.59
11 68 13 00-0959	EA		Wheelchair Accessible Trail Tracker Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127440A).....	491.04	25.59
11 68 13 00-0960	EA		Wheelchair Accessible Image Reach Panel, 75 Play Blocks (Landscape Structures® PlayBooster® 129043A).....	896.38	25.59
11 68 13 00-0961	EA		Wheelchair Accessible Periscope Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135729A).....	1,517.41	42.66
11 68 13 00-0962	EA		Wheelchair Accessible Match 3 Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135730A).....	818.92	42.66
11 68 13 00-0963	EA		Wheelchair Accessible Chimes Reach Panel (Landscape Structures® PlayBooster® 135731A).....	1,249.30	42.66
11 68 13 00-0964	EA		Recycled Poly Wall (Landscape Structures® PlayBooster® 111267A).....	939.02	51.19
11 68 13 00-0965	EA		Recycled Poly Wall, With Wheel (Landscape Structures® PlayBooster® 111267B).....	1,143.62	51.19
11 68 13 00-0966	EA		Tic-Tac-Toe Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139377A).....	2,300.73	51.19
11 68 13 00-0967	EA		Tic-Tac-Toe Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139377B).....	2,477.29	68.25
11 68 13 00-0968	EA		Tic-Tac-Toe Panel, Above Deck, Tan Discs Only (Landscape Structures® PlayBooster® 115231A).....	1,432.90	51.19
11 68 13 00-0969	EA		Wire Barrier (Landscape Structures® PlayBooster® 120314A).....	734.58	68.25
11 68 13 00-0970	EA		Wire Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315A).....	889.80	68.25
11 68 13 00-0971	EA		Wire Barrier With Wheel (Landscape Structures® PlayBooster® 120314B).....	939.19	68.25
11 68 13 00-0972	EA		Wire Barrier With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315B).....	1,094.41	68.25
11 68 13 00-0973	EA		Wire Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921C).....	783.79	51.19
11 68 13 00-0974	EA		Wire Barrier With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921D).....	988.40	51.19
11 68 13 00-0975	EA		Loop Seats (Landscape Structures® PlayBooster® 118089A).....	494.21	25.59
11 68 13 00-0976	EA		Grab Bar, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120901A).....	190.65	17.06
11 68 13 00-0977	EA		Handhold/Leg Lift, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120902A).....	211.82	17.06
11 68 13 00-0978	EA		Handloop Assembly (Landscape Structures® PlayBooster® 111275A).....	275.64	42.66
11 68 13 00-0979	EA		Rail Assembly (Landscape Structures® PlayBooster® 111276A).....	268.59	42.66
11 68 13 00-0980	EA		Log Roll, (1) Steel Post, Tan Log Only (Landscape Structures® PlayBooster® 111356B).....	1,426.33	93.83
11 68 13 00-0981	EA		Chinning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357C).....	614.79	76.77
11 68 13 00-0982	EA		Turning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357D).....	572.46	76.77
11 68 13 00-0983	EA		Parallel Bars, Without Posts (Landscape Structures® PlayBooster® 111361A).....	734.41	51.19
11 68 13 00-0984	EA		Orbiter Spinner, (Requires Steel Post, Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 153590A).....	1,962.39	76.77
11 68 13 00-0985	EA		48" Deck, Talk Tubes For PlayOdyssey Pod, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079A).....	691.77	25.59
11 68 13 00-0986	EA		72" Deck, Talk Tubes For PlayOdyssey Pod, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079B).....	734.10	25.59
11 68 13 00-0987	EA		Ground Level, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363A).....	522.43	25.59
11 68 13 00-0988	EA		16" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363B).....	529.49	25.59
11 68 13 00-0989	EA		24" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363C).....	536.54	25.59
11 68 13 00-0990	EA		32" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363D).....	543.60	25.59
11 68 13 00-0991	EA		40" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363E).....	550.66	25.59
11 68 13 00-0992	EA		48" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363F).....	564.77	25.59
11 68 13 00-0993	EA		56" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363G).....	571.82	25.59
11 68 13 00-0994	EA		64" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363H).....	585.93	25.59
11 68 13 00-0995	EA		72" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363I).....	592.99	25.59
11 68 13 00-0996	EA		Arch Roof, (Excludes Arches) (Landscape Structures® PlayBooster® 111256A).....	818.76	25.59
11 68 13 00-0997	EA		Recycled 2x4 Roof (Landscape Structures® PlayBooster® 111260A).....	2,493.15	204.73
11 68 13 00-0998	EA		Recycled Peak Roof (Landscape Structures® PlayBooster® 111408A).....	3,502.08	204.73
11 68 13 00-0999	EA		Hex Shingle Roof (Landscape Structures® PlayBooster® 130567A).....	2,873.51	153.55
11 68 13 00-1000	EA		Square SteelX Roof (Landscape Structures® PlayBooster® 139375A).....	3,064.01	153.55
11 68 13 00-1001	EA		Hex SteelX Roof (Landscape Structures® PlayBooster® 139376A).....	4,771.77	179.15
11 68 13 00-1002	EA		Flag Pole With Permalene Flag (For SteelX Hex Roof Or SteelX Square Roof Only) (Landscape Structures® PlayBooster® 139464A).....	296.48	17.06
11 68 13 00-1003	EA		Full Sail, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 136488A).....	11,825.65	614.21
11 68 13 00-1004	EA		Single Post Shade, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 154884A).....	3,915.16	511.84
11 68 13 00-1005	EA		PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980A).....	20,239.65	921.32
11 68 13 00-1006	EA		PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980B).....	15,815.85	921.32
11 68 13 00-1007	EA		PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980C).....	14,962.14	921.32
11 68 13 00-1008	EA		PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980D).....	20,359.59	921.32
11 68 13 00-1009	EA		PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980E).....	15,935.80	921.32
11 68 13 00-1010	EA		PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980F).....	15,089.14	921.32
11 68 13 00-1011	EA		Square Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111228A).....	1,037.79	51.19
11 68 13 00-1012	EA		Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 111229A).....	995.46	51.19
11 68 13 00-1013	EA		Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayBooster® 111230A).....	967.24	51.19
11 68 13 00-1014	EA		Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111231A).....	783.49	25.59
11 68 13 00-1015	EA		Hexagon Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111232A).....	2,929.63	127.96
11 68 13 00-1016	EA		Triangular Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 119646A).....	776.59	42.66
11 68 13 00-1017	EA		90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 122197A).....	832.88	25.59
11 68 13 00-1018	EA		Transfer Step, Brown Only (Landscape Structures® PlayBooster® 112471A).....	586.24	51.19
11 68 13 00-1019	EA		24" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525A).....	473.20	42.66
11 68 13 00-1020	EA		32" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525B).....	586.09	42.66
11 68 13 00-1021	EA		To 32" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911A).....	2,549.59	204.73

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	11 68	13 00-	1022	EA To 40" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911B).....	2,888.26	204.73
	11 68	13 00-	1023	EA To 48" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911C).....	3,029.37	204.73
	11 68	13 00-	1024	EA To 32" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912A).....	2,817.70	204.73
	11 68	13 00-	1025	EA To 40" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912B).....	3,149.31	204.73
	11 68	13 00-	1026	EA To 48" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912C).....	3,269.25	204.73
	11 68	13 00-	1027	EA Arch For 72" Deck (Landscape Structures® PlayBooster® 111406A).....	1,489.34	51.19
	11 68	13 00-	1028	EA Arch For 56" - 64" Deck (Landscape Structures® PlayBooster® 111406B).....	1,439.96	51.19
	11 68	13 00-	1029	EA Arch For 40" - 48" Deck (Landscape Structures® PlayBooster® 111406C).....	1,383.51	51.19
	11 68	13 00-	1030	EA Arch For 32" Deck (Landscape Structures® PlayBooster® 111406D).....	1,369.40	51.19
	11 68	13 00-	1031	EA Arch/Ground Level (Landscape Structures® PlayBooster® 111406E).....	1,277.68	51.19
	11 68	13 00-	1032	EA 106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718J).....	494.37	42.66
	11 68	13 00-	1033	EA 98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718K).....	480.25	42.66
	11 68	13 00-	1034	EA 90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718L).....	473.20	42.66
	11 68	13 00-	1035	EA 82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718M).....	466.14	42.66
	11 68	13 00-	1036	EA 74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718N).....	459.09	42.66
	11 68	13 00-	1037	EA 66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718O).....	444.98	42.66
	11 68	13 00-	1038	EA 58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718P).....	437.92	42.66
	11 68	13 00-	1039	EA 50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718Q).....	430.87	42.66
	11 68	13 00-	1040	EA 42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718R).....	416.76	42.66
	11 68	13 00-	1041	EA 106"/72" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405J).....	466.14	42.66
	11 68	13 00-	1042	EA 98"/64" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405K).....	459.09	42.66
	11 68	13 00-	1043	EA 90"/56" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405L).....	444.98	42.66
	11 68	13 00-	1044	EA 82"/48" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405M).....	437.92	42.66
	11 68	13 00-	1045	EA 74"/40" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405N).....	430.87	42.66
	11 68	13 00-	1046	EA 66"/32" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405O).....	416.76	42.66
	11 68	13 00-	1047	EA 58"/24" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405P).....	409.70	42.66
	11 68	13 00-	1048	EA 50"/16" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405Q).....	402.64	42.66
	11 68	13 00-	1049	EA 42"/8" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405R).....	395.59	42.66
	11 68	13 00-	1050	EA 148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404M).....	367.21	25.59
	11 68	13 00-	1051	EA 140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404N).....	608.51	25.59
	11 68	13 00-	1052	EA 132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404O).....	338.99	25.59
	11 68	13 00-	1053	EA 124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404P).....	331.94	25.59
	11 68	13 00-	1054	EA 116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404Q).....	324.88	25.59
	11 68	13 00-	1055	EA 108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404R).....	317.82	25.59
	11 68	13 00-	1056	EA 100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404S).....	303.71	25.59
	11 68	13 00-	1057	EA 92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404T).....	282.55	25.59
	11 68	13 00-	1058	EA 84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404U).....	268.44	25.59
	11 68	13 00-	1059	EA 76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404V).....	261.38	25.59
	11 68	13 00-	1060	EA 156"/80" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404W).....	416.60	25.59
	11 68	13 00-	1061	EA 182"/96" Deck (44" Bury), Posts For Decks (Landscape Structures® PlayBooster® 111404Z).....	480.10	25.59
	11 68	13 00-	1062	EA 182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403K).....	423.66	25.59
	11 68	13 00-	1063	EA 174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403L).....	416.60	25.59
	11 68	13 00-	1064	EA 166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403M).....	409.55	25.59
	11 68	13 00-	1065	EA 158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403N).....	395.44	25.59
	11 68	13 00-	1066	EA 150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403O).....	388.38	25.59
	11 68	13 00-	1067	EA 142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403P).....	381.32	25.59
	11 68	13 00-	1068	EA 134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403Q).....	374.27	25.59
	11 68	13 00-	1069	EA 126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403R).....	367.21	25.59
	11 68	13 00-	1070	EA 118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403S).....	346.05	25.59
	11 68	13 00-	1071	EA 110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403T).....	338.99	25.59
	11 68	13 00-	1072	EA 204"/48" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689A).....	1,944.74	921.32
	11 68	13 00-	1073	EA 212"/56" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689B).....	1,951.79	921.32
	11 68	13 00-	1074	EA 220"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689C).....	1,965.91	921.32
	11 68	13 00-	1075	EA 264"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883A).....	1,770.29	511.84
	11 68	13 00-	1076	EA 248"/48" - 56" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883B).....	1,727.95	511.84
	11 68	13 00-	1077	EA 232"/32" - 40" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883C).....	1,706.79	511.84
	11 68	13 00-	1078	EA 220"/16" - 24" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883D).....	1,586.84	511.84
	11 68	13 00-	1079	EA 200"/Ground Level - 8" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883E).....	1,558.62	511.84
	11 68	13 00-	1080	EA Overhead Events Access/Landing Assembly Seat 8" Deck (Landscape Structures® PlayBooster® 141887A).....	562.25	51.19
	11 68	13 00-	1081	EA 132" Aluminum Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208A).....	1,454.72	102.37
	11 68	13 00-	1082	EA Square Poly Roof, Without Logo Panels (Landscape Structures® PlayBooster® 118110B).....	1,257.17	102.37
	11 68	13 00-	1083	EA 84" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 120873B).....	3,031.96	153.55
	11 68	13 00-	1084	EA 84" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 120873C).....	3,169.84	153.55
	11 68	13 00-	1085	EA 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 121416B).....	4,277.79	204.73
	11 68	13 00-	1086	EA 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 121416C).....	3,995.97	204.73
	11 68	13 00-	1087	EA 106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718A).....	565.07	51.19
	11 68	13 00-	1088	EA 98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718B).....	543.91	51.19
	11 68	13 00-	1089	EA 90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718C).....	522.74	51.19
	11 68	13 00-	1090	EA 82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718D).....	515.69	51.19
	11 68	13 00-	1091	EA 74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718E).....	458.93	25.59

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1092	EA		66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718F).....	444.82	25.59
11 68 13 00-1093	EA		58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718G).....	423.66	25.59
11 68 13 00-1094	EA		50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718H).....	416.60	25.59
11 68 13 00-1095	EA		42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718I).....	409.55	25.59
11 68 13 00-1096	EA		Square Peak Tile Roof, Without Logo Panels (Landscape Structures® PlayBooster® 129816B).....	1,398.28	102.37
11 68 13 00-1097	EA		32" Decks, Spring Across Bridge With 4 TenderTuff-coated Handloops (Landscape Structures® PlayBooster® 136156B).....	4,561.33	204.73
11 68 13 00-1098	EA		S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 136157B).....	4,277.79	204.73
11 68 13 00-1099	EA		S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 136157C).....	4,416.27	204.73
11 68 13 00-1100	EA		Hexagon Tenderdeck, With Extension, Brown Only (Landscape Structures® PlayBooster® 154752A).....	4,567.46	204.73
11 68 13 00-1101	EA		The Pinnacle Natural Climber (Landscape Structures® PlayBooster® 156066A).....	21,265.91	614.21
11 68 13 00-1102	EA		The Pointe Natural Climber (Landscape Structures® PlayBooster® 156068A).....	12,020.65	409.47
11 68 13 00-1103	EA		Natural Elements Climber Handholds, Extension Deck And Kick Panel Set, One Set Required Per Associated Deck (Landscape Structures® PlayBooster® 156070A).....	1,058.96	51.19
11 68 13 00-1104	EA		Bridge With Guardrails And Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230A).....	3,769.56	153.55
11 68 13 00-1105	EA		Bridge With Guardrails, Without Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230B).....	3,388.56	153.55
11 68 13 00-1106	EA		Bridge With Barriers, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156231A).....	4,405.19	204.73
11 68 13 00-1107	EA		Ramp With Guardrails And Curbs, 3-Handrails Per Side (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232A).....	4,242.91	204.73
11 68 13 00-1108	EA		Ramp With Guardrails, Without Curbs, 3-Handrails Per Side, (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232B).....	3,783.67	153.55
11 68 13 00-1109	EA		Ramp With Guardrails And Curbs, 2-Handrails Per Side (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232C).....	3,600.23	153.55
11 68 13 00-1110	EA		Ramp With Guardrails, Without Curbs, 2-Handrails Per Side, (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232D).....	3,219.23	153.55
11 68 13 00-1111	EA		Ramp With Barriers, Ramp Plank Brown Only (Landscape Structures® PlayBooster® 156233A).....	5,202.47	204.73
11 68 13 00-1112	EA		16" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156915A).....	565.07	51.19
11 68 13 00-1113	EA		24" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156916A).....	840.24	51.19
11 68 13 00-1114	EA		24" Deck, Pod Climber With One Handhold Panel, And One Handloop (Landscape Structures® PlayBooster® 156916B).....	931.96	51.19
11 68 13 00-1115	EA		32"-40" Deck, Pod Climber With Two Handhold Panels (Landscape Structures® PlayBooster® 157427A).....	1,405.33	102.37
11 68 13 00-1116	EA		32"-40" Deck, Pod Climber With Two Handhold Panels, And One Handloop (Landscape Structures® PlayBooster® 157427B).....	1,504.11	102.37
11 68 13 00-1117	EA		32"-40" Deck, Pod Climber With Two Handhold Panels, And One Handrail (Landscape Structures® PlayBooster® 157427C).....	1,574.66	102.37
11 68 13 00-1118	EA		32"-40" Deck, Pod Climber With Two Handhold Panels, One Handloop And One Handrail (Landscape Structures® PlayBooster® 157427D).....	1,652.28	102.37
11 68 13 00-1119	EA		Starburst Climber, 64" And 72" Decks, (Direct Bury Only) (Landscape Structures® PlayBooster® 158425A).....	2,372.57	153.55
11 68 13 00-1120	EA		Ring-a-Bell Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 159459A).....	1,504.11	102.37
11 68 13 00-1121	EA		Ring-a-Bell™ Panel For Learning Wall (Landscape Structures® PlayBooster® 159460A).....	1,363.00	102.37
11 68 13 00-1122	EA		Stationary Cyclor, Pedal Assembly, With Grab Bar, Without Post (Landscape Structures® PlayBooster® 160054A).....	1,122.46	51.19
11 68 13 00-1123	EA		Stationary Cyclor, Handle Assembly, Without Post (Landscape Structures® PlayBooster® 160054B).....	875.52	51.19
11 68 13 00-1124	EA		Stationary Cyclor, Pedals And Handles, Without Post (Landscape Structures® PlayBooster® 160054C).....	1,652.28	102.37
11 68 13 00-1125	EA		Stationary Cyclor, Handle Assembly, Accessible, Without Post (Landscape Structures® PlayBooster® 160054D).....	875.52	51.19
11 68 13 00-1126	EA		(1) Aluminum Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251A).....	2,259.05	102.37
11 68 13 00-1127	EA		(1) Steel Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251B).....	2,237.88	102.37
11 68 13 00-1128	EA		The Peak Natural Climber, 40" Deck (Landscape Structures® PlayBooster® 160420A).....	6,896.43	255.92
11 68 13 00-1129	EA		The Peak Natural Climber Connector, Connects Between 32" Deck And 40" Deck (Landscape Structures® PlayBooster® 160421A).....	7,256.26	255.92
11 68 13 00-1130	EA		The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayBooster® 160422A).....	3,670.78	153.55
11 68 13 00-1131	EA		64" - 72" Decks, Escalator Climber With Single Barrier With Infill Permalene Panel (Landscape Structures® PlayBooster® 160693A).....	4,313.47	204.73
11 68 13 00-1132	EA		Single Barrier Handhold Panel With Infill, Permalene, Panel Only (Landscape Structures® PlayBooster® 160694A).....	642.68	51.19
11 68 13 00-1133	EA		Single Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160810A).....	3,720.17	153.55
11 68 13 00-1134	EA		Double Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160811A).....	7,347.99	255.92
11 68 13 00-1135	EA		RingTangle Climber, 24" - 48" Decks (Landscape Structures® PlayBooster® 164078A).....	2,372.57	153.55
11 68 13 00-1136	EA		Bongo Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 164092A).....	1,009.57	51.19
11 68 13 00-1137	EA		Bongo Panel For Learning Wall (Landscape Structures® PlayBooster® 164093A).....	910.79	51.19
11 68 13 00-1138	EA		Wheelchair Accessible Bongo Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164094A).....	917.85	51.19
11 68 13 00-1139	EA		Rock-n-Ring Panel, Ground Level Panel (2 Color Permalene) (Landscape Structures® PlayBooster® 164145A).....	2,047.38	102.37
11 68 13 00-1140	EA		Rock-n-Ring™ Panel For Learning Wall (Landscape Structures® PlayBooster® 164146A).....	1,631.11	102.37
11 68 13 00-1141	EA		Bongo Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164147A).....	854.35	51.19
11 68 13 00-1142	EA		Wheelchair Accessible Ring-a-Bell Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164148A).....	995.46	51.19
11 68 13 00-1143	EA		Ring-a-Bell™ Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164149A).....	931.96	51.19
11 68 13 00-1144			<b>Playground Equipment (Landscape Structures® Evos™) <small>(11 68 13 00-0122)</small></b>		
11 68 13 00-1145	EA		Standard Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158650A).....	776.74	51.19
11 68 13 00-1146	EA		Customized Name On Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158651A).....	910.79	51.19
11 68 13 00-1147	EA		Slalom Glider (Direct Bury Only) (Landscape Structures® Evos™ 156456A).....	3,480.28	153.55
11 68 13 00-1148	EA		Hang Glider (Direct Bury Only) (Landscape Structures® Evos™ 156465A).....	2,683.01	153.55
11 68 13 00-1149	EA		Helix Net Climber (Direct Bury Only) (Landscape Structures® Evos™ 156449A).....	6,309.39	145.02
11 68 13 00-1150	EA		Crescent Climber (Direct Bury Only) (Landscape Structures® Evos™ 156461A).....	4,877.91	204.73
11 68 13 00-1151	EA		RingTangle Climber With Two E-Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156462A).....	3,261.24	127.96
11 68 13 00-1152	EA		Web Link Climber (Direct Bury Only) (Landscape Structures® Evos™ 156912A).....	6,732.87	153.55
11 68 13 00-1153	EA		Wobble Pod Bouncer (Direct Bury Only) (Landscape Structures® Evos™ 156452A).....	1,588.78	102.37
11 68 13 00-1154	EA		Gyro Twister Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156459A).....	2,068.22	76.77
11 68 13 00-1155	EA		E-Pod Step (Landscape Structures® Evos™ 156454A).....	324.71	17.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 68 13 00-1156	EA	Cycler With E-Pod Step (Direct Bury Only) (Landscape Structures® Evos™ 156467A) .....	1,461.12	51.19
11 68 13 00-1157	EA	8" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959A) .....	1,058.81	42.66
11 68 13 00-1158	EA	16" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959B) .....	1,065.86	42.66
11 68 13 00-1159	EA	24" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959C) .....	1,072.92	42.66
11 68 13 00-1160	EA	Swiggle Stix Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156450A) .....	6,056.50	230.33
11 68 13 00-1161	EA	PodStomper Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156464A) .....	6,246.04	153.55
11 68 13 00-1162	EA	ArcOver Ladder With Two E-Pod Steps, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 156457A) .....	2,731.77	102.37
11 68 13 00-1163	EA	Bow Ladder With Four E-Pod Steps, Overhead Events (Landscape Structures® Evos™ 156463A) .....	2,935.72	51.19
11 68 13 00-1164	EA	2-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 156436A) .....	25,640.32	614.21
11 68 13 00-1165	EA	3-Arch Mainstructure, Small (Landscape Structures® Evos™ 157106A) .....	28,903.80	921.32
11 68 13 00-1166	EA	Additional Small Arch For Mainstructure, #3 Only (Landscape Structures® Evos™ 156545A) .....	3,270.54	307.11
11 68 13 00-1167	EA	16" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156A) .....	1,482.94	102.37
11 68 13 00-1168	EA	24" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156B) .....	1,497.05	102.37
11 68 13 00-1169	EA	Ring-a-Bell Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164150A) .....	995.46	51.19
11 68 13 00-1170	EA	Bongo Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164095A) .....	917.85	51.19
11 68 13 00-1171	EA	Noodle Post, 1 Post Only (Direct Bury Only) (Landscape Structures® Evos™ 161774A) .....	783.79	51.19
11 68 13 00-1172	EA	Periscope Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161775A) .....	1,624.05	102.37
11 68 13 00-1173	EA	Match 3 Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161776A) .....	840.24	51.19
11 68 13 00-1174	EA	Chimes Reach Panel (Landscape Structures® Evos™ 161777A) .....	1,355.94	102.37
11 68 13 00-1175	EA	Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161778A) .....	529.80	51.19
11 68 13 00-1176	EA	Navigator Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161779A) .....	727.35	51.19
11 68 13 00-1177	EA	Image Reach Panel, 75 Play Blocks (Landscape Structures® Evos™ 161780A) .....	939.02	51.19
11 68 13 00-1178	EA	Chatter Noodle Talk Tube Kit, Two Noodle Posts And Tubing (Direct Bury Only) (Landscape Structures® Evos™ 156453A) .....	2,195.55	102.37
11 68 13 00-1179	EA	Blender Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156460A) .....	2,683.01	153.55
11 68 13 00-1180	EA	BalanceWinder Climber (Direct Bury Only) (Landscape Structures® Evos™ 160252A) .....	4,757.96	204.73
11 68 13 00-1181	EA	Overhead Explorer Parallel Bar, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160253A) .....	1,955.66	102.37
11 68 13 00-1182	EA	Overhead Trekker Ladder, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160254A) .....	2,132.05	102.37
11 68 13 00-1183	EA	3-Arch Mainstructure, Large With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160356A) .....	29,313.03	921.32
11 68 13 00-1184	EA	4-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160357A) .....	32,064.68	921.32
11 68 13 00-1185	EA	Additional Large Arch For Mainstructure, #4 Only (Landscape Structures® Evos™ 160358A) .....	3,409.73	153.55
11 68 13 00-1186	EA	Additional Arches For Mainstructure, #3 And #4 Only (Landscape Structures® Evos™ 160359A) .....	6,339.05	255.92
11 68 13 00-1187	EA	Power Lifter Chinning Bar (Landscape Structures® Evos™ 160208A) .....	1,518.22	102.37
11 68 13 00-1188	EA	Accessible Power Lifter Chinning Bar (Landscape Structures® Evos™ 160209A) .....	1,906.27	102.37
11 68 13 00-1189	EA	TwirlWind Turning Bar (Landscape Structures® Evos™ 160210A) .....	1,906.27	102.37

**11 68 13 00-1190 Playground Equipment (Landscape Structures® Weevos™)** (11 68 13 00-0122)

11 68 13 00-1191	EA	Safety Sign, Weevos Welcome Sign, Ages 2 to 5, Direct Bury (Landscape Structures® Weevos™ 164529A) .....	776.74	51.19
11 68 13 00-1192	EA	ChitterChatter Noodle™ Talk Tube Kit (Landscape Structures® Weevos™ 164177A) .....	1,990.94	102.37

**11 68 13 00-1193 Playground Equipment (Landscape Structures® Parts)** (11 68 13 00-0122)

11 68 13 00-1194	EA	52-9/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (8') (Landscape Structures® 160110A) .....	83.58	25.59
11 68 13 00-1195	EA	66-15/16" Long, TenderTuff-Coated Chain, Brown, Front Chain for Molded Bucket Seat (8') (Landscape Structures® 160112A) .....	87.82	25.59
11 68 13 00-1196	EA	Pivot Block Swing Hardware With Bearing For Molded Bucket Seat (Landscape Structures® 160307A) .....	82.17	25.59
11 68 13 00-1197	EA	Play It Safe Label, 2-5 Years (Landscape Structures® 156845A) .....	9.94	5.12
11 68 13 00-1198	EA	Play It Safe Label, 2-12 Years (Landscape Structures® 156846A) .....	9.94	5.12
11 68 13 00-1199	EA	Play It Safe Label, 5-12 Years (Landscape Structures® 156847A) .....	9.94	5.12
11 68 13 00-1200	EA	Play It Safe Label, 8-12 Years (Landscape Structures® 156848A) .....	9.94	5.12
11 68 13 00-1201	EA	D-Ring with Stainless Steel Bolt Link, Brown TenderTuff-coated Only (Landscape Structures® 130923A) .....	128.74	25.59
11 68 13 00-1202	EA	(2) Stainless Steel Double Clevis Swing Hardware With Bolts (Landscape Structures® 132634A) .....	66.45	10.24
11 68 13 00-1203	EA	(2) Stainless Steel Bolt Links Swing Hardware With Bolts For Use With TenderTuff-Coated Chain (Landscape Structures® 132635A) .....	41.05	10.24
11 68 13 00-1204	EA	(2) Stainless Steel Bolt Links Swing Hardware With Bolts And Chain Spacers For Use With Uncoated Chain (Landscape Structures® 132672A) .....	42.46	10.24
11 68 13 00-1205	EA	2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136065A) .....	84.82	12.79
11 68 13 00-1206	EA	3-1/2" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136066A) .....	84.82	12.79
11 68 13 00-1207	EA	TenderTuff Repair Kit (Landscape Structures® 138717A) .....	9.17	
11 68 13 00-1208	EA	Anti-Wrap, 2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 140739A) .....	111.63	12.79
11 68 13 00-1209	EA	(2) Aluminum Clevis Swing Hardware For Anti-Wrap Hanger With Bolts (Landscape Structures® 141267A) .....	70.68	10.24
11 68 13 00-1210	EA	65" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (8') (Landscape Structures® 141730A) .....	86.40	25.59
11 68 13 00-1211	EA	43-3/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (6') Toddler Swing (Landscape Structures® 141739A) .....	78.64	25.59
11 68 13 00-1212	EA	87-13/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (10') (Landscape Structures® 141766A) .....	106.16	25.59
11 68 13 00-1213	EA	29-7/8" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (6') Toddler Swing (Landscape Structures® 152016A) .....	75.12	25.59
11 68 13 00-1214	EA	49-13/16" Long, TenderTuff-Coated Chain, Brown, Tire Swing, Half-Bucket Seat (7") 2" Arch Swing (Landscape Structures® 152048A) .....	82.17	25.59
11 68 13 00-1215	EA	67-7/8" Long, TenderTuff-Coated Chain, Brown, Belt Seat (8'), Flat Seat (8') (Landscape Structures® 152050A) .....	89.23	25.59
11 68 13 00-1216	EA	76-7/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (10') (Landscape Structures® 152051A) .....	96.28	25.59
11 68 13 00-1217	EA	90-11/16" Long, TenderTuff-Coated Chain, Brown, Belt Seat (10'), Flat Seat (10'), 16" Deck Ascending Chain (Landscape Structures® 152052A) .....	110.39	25.59
11 68 13 00-1218	EA	37-1/2" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (7") 2" Arch Swing (Landscape Structures® 152053A) .....	77.23	25.59
11 68 13 00-1219	EA	121-1/16" Long, TenderTuff-Coated Chain, Brown, Rear Chain for Molded Bucket Seat (8') (Landscape Structures® 152067A) .....	127.33	25.59
11 68 13 00-1220	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1997 And Later (Landscape Structures® 121609A) .....	628.57	51.19
11 68 13 00-1221	EA	Twin Rim Basketball Goal And Chain Net (Landscape Structures® 100080A) .....	247.27	25.59
11 68 13 00-1222	EA	Twin Rim Basketball Goal And Nylon Net (Landscape Structures® 100081A) .....	240.21	25.59
11 68 13 00-1223	EA	Nylon Basketball Net (Landscape Structures® 100082A) .....	41.08	12.79

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
11 68 13 00-1224	EA	Chain Basketball Net (Landscape Structures® 100083A) .....	50.95		12.79
11 68 13 00-1225	EA	Basketball Frame Set Only, Moveable (Landscape Structures® 100099A).....	1,122.46		51.19
11 68 13 00-1226	EA	Basketball Frame Set Only, Direct Bury (Landscape Structures® 100100A).....	931.96		51.19
11 68 13 00-1227	EA	Warning Label (Landscape Structures® 115176A).....	0.14		
11 68 13 00-1228	EA	PS Spare Parts Kit (Landscape Structures® 107040A).....	47.98		
11 68 13 00-1229	EA	PB Spare Parts Kit (Landscape Structures® 107043A).....	104.42		
11 68 13 00-1230	EA	Tire With Ring And Hardware, Excludes Chain (Landscape Structures® 107329A).....	614.46		51.19
11 68 13 00-1231	EA	5" Swing Hanger Clamp Assembly, Complete, Excludes Chain (Landscape Structures® 111418A).....	128.74		25.59
11 68 13 00-1232	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1996 And Prior (Landscape Structures® 116997A).....	727.35		51.19
<b>11 68 13 00-1233</b>		<b>Playground Equipment (Landscape Structures® Site Furniture) <small>(11 68 13 00-0122)</small></b>			
11 68 13 00-1234	EA	60" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640A).....	1,214.66		93.83
11 68 13 00-1235	EA	60" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640B).....	628.90		76.77
11 68 13 00-1236	EA	60" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640C).....	1,066.50		93.83
11 68 13 00-1237	EA	60" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640D).....	614.79		76.77
11 68 13 00-1238	EA	96" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640E).....	1,743.82		93.83
11 68 13 00-1239	EA	96" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640F).....	819.40		76.77
11 68 13 00-1240	EA	96" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640G).....	1,518.05		93.83
11 68 13 00-1241	EA	96" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640H).....	798.23		76.77
11 68 13 00-1242	EA	Optional Brown Dome, Litter Receptacle (Landscape Structures® 100095A).....	297.29		76.77
11 68 13 00-1243	EA	32-Gallon Polyethylene Container, Litter Receptacle (Landscape Structures® 141682A).....	181.58		76.77
11 68 13 00-1244	EA	Optional Cover for TenderTuff-Coated Litter Receptacle (Landscape Structures® 141686A).....	222.35		68.25
11 68 13 00-1245	EA	Litter Receptacle With Recycled Polyethylene Slats and Liner, (Direct Bury Only) (Landscape Structures® 100094A).....	762.96		76.77
11 68 13 00-1246	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Direct Bury (Landscape Structures® 141685A).....	656.97		68.25
11 68 13 00-1247	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Surface Mount (Landscape Structures® 141685B).....	656.97		68.25
11 68 13 00-1248	EA	Loop Rack, Direct Bury, Powdercoated (Landscape Structures® 100102A).....	395.74		51.19
11 68 13 00-1249	EA	Loop Rack, Direct Bury, TenderTuff-Coated (Landscape Structures® 100102B).....	586.24		51.19
11 68 13 00-1250	EA	60" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139A).....	1,929.36		255.92
11 68 13 00-1251	EA	60" Poly Picnic Table, (1) 60" Seat (2) 14" Seats, Moveable (Landscape Structures® 113139B).....	1,858.81		255.92
11 68 13 00-1252	EA	60" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139C).....	1,760.03		255.92
11 68 13 00-1253	EA	84" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139D).....	2,402.08		255.92
11 68 13 00-1254	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Moveable (Landscape Structures® 113139E).....	2,324.47		255.92
11 68 13 00-1255	EA	84" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139F).....	2,218.64		255.92
11 68 13 00-1256	EA	60" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139G).....	2,021.08		255.92
11 68 13 00-1257	EA	60" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139H).....	1,929.36		255.92
11 68 13 00-1258	EA	60" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139I).....	1,830.58		255.92
11 68 13 00-1259	EA	84" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139J).....	2,493.80		255.92
11 68 13 00-1260	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139K).....	2,402.08		255.92
11 68 13 00-1261	EA	84" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139L).....	2,289.19		255.92
11 68 13 00-1262	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088A).....	628.90		76.77
11 68 13 00-1263	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088B).....	692.40		76.77
11 68 13 00-1264	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088C).....	678.29		76.77
11 68 13 00-1265	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088D).....	741.79		76.77
11 68 13 00-1266	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088E).....	925.23		76.77
11 68 13 00-1267	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088F).....	861.73		76.77
11 68 13 00-1268	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088G).....	981.68		76.77
11 68 13 00-1269	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088H).....	918.18		76.77
11 68 13 00-1270	EA	Arm Rest, 1 Only, Fits All Benches With Back (Landscape Structures® 114767A).....	129.97		17.06
11 68 13 00-1271	EA	72", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683A).....	642.68		51.19
11 68 13 00-1272	EA	72", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683B).....	656.80		51.19
11 68 13 00-1273	EA	72", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683C).....	416.91		51.19
11 68 13 00-1274	EA	72", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683D).....	438.08		51.19
11 68 13 00-1275	EA	92", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683E).....	656.80		51.19
11 68 13 00-1276	EA	92", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683F).....	685.02		51.19
11 68 13 00-1277	EA	92", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683G).....	438.08		51.19
11 68 13 00-1278	EA	92", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683H).....	466.30		51.19
11 68 13 00-1279	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684A).....	1,505.38		204.73
11 68 13 00-1280	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684B).....	1,575.93		204.73
11 68 13 00-1281	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684C).....	1,582.99		204.73
11 68 13 00-1282	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684D).....	1,688.82		204.73
11 68 13 00-1283	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684E).....	1,547.71		204.73
11 68 13 00-1284	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684F).....	1,632.38		204.73
11 68 13 00-1285	EA	Square Picnic Table With 4 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345A).....	1,439.80		42.66
11 68 13 00-1286	EA	Square Picnic Table With 3 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345B).....	1,305.75		42.66
11 68 13 00-1287	EA	Square Picnic Table With 2 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345C).....	1,192.86		42.66
11 68 13 00-1288	EA	Kish Valley Grill, (Direct Bury Only) (Landscape Structures® 100101A).....	635.63		51.19
11 68 13 00-1289	EA	Loop Rack, Surface Mount, Powdercoated (Landscape Structures® 100102C).....	543.91		51.19
11 68 13 00-1290	EA	Loop Rack, Surface Mount, TenderTuff-Coated (Landscape Structures® 100102D).....	734.41		51.19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**11 68 13 00-1291 Modular Playground Stations** (11 68 13)  
 Note: Complete as described.

**11 68 13 00-1292 "Little Tikes" Or Equal** (11 68 13 00-1291)

11 68 13 00-1293 EA Little Tykes Playcenter 5.....	10,906.88	929.96
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**11 68 16 Play Structures** (11 68)

**11 68 16 00-0001 Playground Shade Structures** (11 68 16)

Note: Shade Structures, Inc. dba USA Shade & Fabric Structures, exclude custom engineering, architect fees, site survey, temporary fencing, logos, post pads, special equipment (e.g. cranes for limited site access, hydro-excavation for high soil water table), soil removal from site, core drilling for concrete slab on grade, cutting of pavers or specialty finished surfaces including removal of tiles, alternate footing configuration due to site specific geotechnical report requirements, underground utility scan, moving or re-routing of underground utilities, and hard rock subsurface conditions.

**11 68 16 00-0002 Single Ridge** (11 68 16 00-0001)

Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.

11 68 16 00-0003 EA 8' x 10' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	18,653.44
11 68 16 00-0004 EA 10' x 10' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	18,690.83
11 68 16 00-0005 EA 9' x 13' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	18,721.13
11 68 16 00-0006 EA 10' x 12' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	19,751.66
11 68 16 00-0007 EA 11' x 17' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	19,781.97
11 68 16 00-0008 EA 10' x 18' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	19,910.04
11 68 16 00-0009 EA 12' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	21,405.49
11 68 16 00-0010 EA 10' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	21,652.23
11 68 16 00-0011 EA 10' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	22,138.57
11 68 16 00-0012 EA 14' x 17' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	24,236.38
11 68 16 00-0013 EA 14' x 17' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	24,784.14
11 68 16 00-0014 EA 12' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	24,195.17
11 68 16 00-0015 EA 12' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	24,581.58
11 68 16 00-0016 EA 15' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	24,195.17
11 68 16 00-0017 EA 15' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	24,674.10
11 68 16 00-0018 EA 17' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	24,581.58
11 68 16 00-0019 EA 17' x 19' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	26,068.21
11 68 16 00-0020 EA 18' x 18' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	22,460.32
11 68 16 00-0021 EA 18' x 18' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	23,280.00
11 68 16 00-0022 EA 18' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	22,607.14
11 68 16 00-0023 EA 18' x 19' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	23,705.88
11 68 16 00-0024 EA 18' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	22,833.40
11 68 16 00-0025 EA 18' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	24,076.25
11 68 16 00-0026 EA 20' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	23,773.48
11 68 16 00-0027 EA 20' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	24,829.80
11 68 16 00-0028 EA 20' x 21' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	28,235.11
11 68 16 00-0029 EA 20' x 21' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	31,621.17
11 68 16 00-0030 EA 20' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	29,126.84
11 68 16 00-0031 EA 20' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	32,081.09
11 68 16 00-0032 EA 18' x 27' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	28,235.11
11 68 16 00-0033 EA 18' x 27' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	29,216.40
11 68 16 00-0034 EA 16' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	28,387.84
11 68 16 00-0035 EA 16' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	31,571.34
11 68 16 00-0036 EA 19' x 28' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	28,235.11
11 68 16 00-0037 EA 19' x 28' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	31,571.34
11 68 16 00-0038 EA 20' x 23' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	28,235.11
11 68 16 00-0039 EA 20' x 23' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	31,571.34
11 68 16 00-0040 EA 20' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	28,235.11
11 68 16 00-0041 EA 20' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	31,621.17
11 68 16 00-0042 EA 20' x 25' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	28,235.11
11 68 16 00-0043 EA 20' x 25' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	31,621.17
11 68 16 00-0044 EA 20' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	28,235.11
11 68 16 00-0045 EA 20' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	31,729.99
11 68 16 00-0046 EA 21' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	38,868.03
11 68 16 00-0047 EA 21' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	41,531.37
11 68 16 00-0048 EA 24' x 25' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	37,908.68
11 68 16 00-0049 EA 24' x 25' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	39,762.72
11 68 16 00-0050 EA 23' x 28' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	38,868.03
11 68 16 00-0051 EA 23' x 28' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	40,115.32
11 68 16 00-0052 EA 23' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	37,908.68
11 68 16 00-0053 EA 23' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	39,762.72
11 68 16 00-0054 EA 25' x 25' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	38,204.04
11 68 16 00-0055 EA 25' x 25' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	40,204.88
11 68 16 00-0056 EA 25' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	39,270.45
11 68 16 00-0057 EA 25' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	40,557.48
11 68 16 00-0058 EA 26' x 27' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	40,914.26
11 68 16 00-0059 EA 26' x 27' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	42,139.61
11 68 16 00-0060 EA 29' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	40,942.40
11 68 16 00-0061 EA 29' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	42,139.61
11 68 16 00-0062 EA 30' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	41,206.58
11 68 16 00-0063 EA 30' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	42,456.91
11 68 16 00-0064 EA 19' x 36' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	47,469.25
11 68 16 00-0065 EA 19' x 36' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	51,164.00
11 68 16 00-0066 EA 18' x 33' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	47,469.25
11 68 16 00-0067 EA 18' x 33' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	51,164.00
11 68 16 00-0068 EA 17' x 32' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	47,469.25
11 68 16 00-0069 EA 17' x 32' Single Ridge Shade Structure, 12' Opening Height, 4 Posts .....	51,164.00
11 68 16 00-0070 EA 20' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts .....	47,469.25

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
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11 68 16 00-0071	EA	20' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	51,164.00	
11 68 16 00-0072	EA	21' x 39' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	49,384.98	
11 68 16 00-0073	EA	21' x 39' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	55,562.20	
11 68 16 00-0074	EA	24' x 37' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	49,384.98	
11 68 16 00-0075	EA	24' x 37' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	55,562.20	
11 68 16 00-0076	EA	27' x 38' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	49,384.98	
11 68 16 00-0077	EA	27' x 38' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	55,562.20	
11 68 16 00-0078	EA	24' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	49,318.85	
11 68 16 00-0079	EA	24' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	55,319.90	
11 68 16 00-0080	EA	27' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	49,536.23	
11 68 16 00-0081	EA	27' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	55,660.64	
11 68 16 00-0082	EA	30' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	48,181.87	
11 68 16 00-0083	EA	30' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	55,660.64	

**11 68 16 00-0084 Double Ridge** (11 68 16 00-0001)

Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.

11 68 16 00-0085	EA	20' x 40' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	45,441.51	
11 68 16 00-0086	EA	20' x 40' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	47,076.08	
11 68 16 00-0087	EA	20' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	65,343.14	
11 68 16 00-0088	EA	20' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	68,079.21	
11 68 16 00-0089	EA	26' x 48' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	68,591.85	
11 68 16 00-0090	EA	25' x 50' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	66,810.77	
11 68 16 00-0091	EA	25' x 50' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	68,591.85	
11 68 16 00-0092	EA	25' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	66,810.77	
11 68 16 00-0093	EA	25' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	68,591.85	
11 68 16 00-0094	EA	27' x 38' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	48,216.91	
11 68 16 00-0095	EA	27' x 38' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	53,135.40	
11 68 16 00-0096	EA	30' x 40' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	48,216.91	
11 68 16 00-0097	EA	30' x 40' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	53,135.40	
11 68 16 00-0098	EA	26' x 47' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	67,217.55	
11 68 16 00-0099	EA	26' x 47' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	69,041.26	
11 68 16 00-0100	EA	30' x 50' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	67,217.55	
11 68 16 00-0101	EA	30' x 50' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	69,041.26	
11 68 16 00-0102	EA	28' x 53' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	72,544.31	
11 68 16 00-0103	EA	28' x 53' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	75,226.39	
11 68 16 00-0104	EA	29' x 58' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	71,223.22	
11 68 16 00-0105	EA	29' x 58' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	75,226.39	
11 68 16 00-0106	EA	30' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	71,223.22	
11 68 16 00-0107	EA	30' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	75,226.39	
11 68 16 00-0108	EA	27' x 74' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	104,807.62	
11 68 16 00-0109	EA	28' x 59' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	75,226.39	
11 68 16 00-0110	EA	20' x 80' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	107,700.24	
11 68 16 00-0111	EA	30' x 80' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	110,007.79	

**11 68 16 00-0112 Interconnected Quad Lineal Ridge** (11 68 16 00-0001)

Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.

11 68 16 00-0113	EA	30' x 160' Quad-Lineal Ridge Shade Structure, 12' Opening Height, 10 Posts	203,829.10	
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**11 68 16 00-0114 Quad Ridge** (11 68 16 00-0001)

Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.

11 68 16 00-0115	EA	36' x 36' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	64,534.01	
11 68 16 00-0116	EA	34' x 39' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	70,873.06	
11 68 16 00-0117	EA	34' x 39' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	72,571.66	
11 68 16 00-0118	EA	40' x 40' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	76,345.33	
11 68 16 00-0119	EA	40' x 40' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	80,438.39	
11 68 16 00-0120	EA	36' x 54' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	84,118.74	
11 68 16 00-0121	EA	36' x 54' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	90,290.87	
11 68 16 00-0122	EA	38' x 55' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	85,120.40	
11 68 16 00-0123	EA	38' x 55' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	90,290.87	
11 68 16 00-0124	EA	40' x 50' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	84,118.74	
11 68 16 00-0125	EA	40' x 50' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	90,290.87	
11 68 16 00-0126	EA	40' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	91,155.15	
11 68 16 00-0127	EA	40' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	97,388.81	
11 68 16 00-0128	EA	50' x 50' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	124,151.01	
11 68 16 00-0129	EA	50' x 50' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	129,021.75	
11 68 16 00-0130	EA	50' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	128,421.39	
11 68 16 00-0131	EA	50' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	132,551.52	
11 68 16 00-0132	EA	56' x 59' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	131,762.42	
11 68 16 00-0133	EA	56' x 59' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	137,139.85	
11 68 16 00-0134	EA	60' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	132,316.29	
11 68 16 00-0135	EA	60' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	138,011.09	

**11 68 16 00-0136 Peak-Roof Triangle** (11 68 16 00-0001)

Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.

11 68 16 00-0137	EA	30' Peak-Roof Triangle Shade Structure, 12' Opening Height, 3 Posts	35,342.11	
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**11 68 16 00-0138 Peak-Roof Hexagon** (11 68 16 00-0001)

Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.

11 68 16 00-0139	EA	38' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 6 Posts	62,079.95	
11 68 16 00-0140	EA	40' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 6 Posts	64,718.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

11 68 16 00-0141	EA	50'	Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts.....	107,956.06	
11 68 16 00-0142	EA	52'	Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts.....	111,736.67	
11 68 16 00-0143	EA	55'	Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts.....	114,523.92	
11 68 16 00-0144	EA	60'	Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts.....	117,967.38	

**11 68 16 00-0145 Free-Form Tri-Sail** (11 68 16 00-0001)  
 Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.

11 68 16 00-0146	EA	18'	Single Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 3 Posts.....	25,027.71	
11 68 16 00-0147	EA	18'	Double Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 4 Posts.....	33,328.58	
11 68 16 00-0148	EA	18'	Triple Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 5 Posts.....	51,762.11	
11 68 16 00-0149	EA	30'	Double Free-Form Tri-Sail Shade Structure, 14' Opening Height, 5 Posts.....	78,411.19	

**11 68 16 00-0150 Free-Form Hypar** (11 68 16 00-0001)  
 Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.

11 68 16 00-0151	EA	20' x 20'	Single 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 4 Posts.....	37,070.00	
11 68 16 00-0152	EA	20' x 40'	Double 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 6 Posts.....	46,528.68	
11 68 16 00-0153	EA	30' x 30'	Single 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 4 Posts.....	50,878.58	
11 68 16 00-0154	EA	30' x 60'	Double 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 6 Posts.....	61,953.36	

**11 68 16 00-0155 Mariners** (11 68 16 00-0001)  
 Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.

11 68 16 00-0156	EA	30' x 30'	Single Mariner Shade Structure, 10' Opening Height, 4 Posts.....	44,838.98	
11 68 16 00-0157	EA	30' x 30'	Single Mariner Shade Structure, 12' Opening Height, 4 Posts.....	49,332.90	
11 68 16 00-0158	EA	30' x 60'	Mariner Peak Joined Shade Structure, 10' Opening Height, 6 Posts.....	65,638.59	
11 68 16 00-0159	EA	30' x 60'	Mariner Peak Joined Shade Structure, 12' Opening Height, 6 Posts.....	69,920.36	
11 68 16 00-0160	EA	60' x 60'	Mariner Peak Quad Shade Structure, 10' Opening Height, 9 Posts.....	101,021.41	
11 68 16 00-0161	EA	60' x 60'	Mariner Peak Quad Shade Structure, 12' Opening Height, 9 Posts.....	103,897.75	

**11 68 16 00-0162 Single Post Pyramid** (11 68 16 00-0001)  
 Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.

11 68 16 00-0163	EA	14' x 14'	Single Post Pyramid Shade Structure, 10' Opening Height, 1 Post.....	15,460.90	
11 68 16 00-0164	EA	14' x 14'	Single Post Pyramid Shade Structure, 12' Opening Height, 1 Post.....	15,881.02	

**11 68 16 00-0165 Tri-Truss Cantilevers** (11 68 16 00-0001)  
 Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.

11 68 16 00-0166	EA	20' x 30'	Tri-Truss Rigid Single Wide Shade Structure, 10' Opening Height, 2 Posts.....	55,618.28	
11 68 16 00-0167	EA	20' x 30'	Tri-Truss Rigid Single Wide Shade Structure, 12' Opening Height, 2 Posts.....	58,835.20	
11 68 16 00-0168	EA	30' x 40'	Tri-Truss Rigid Single Wide Joined Shade Structure, 10' Opening Height, 3 Posts.....	83,027.14	
11 68 16 00-0169	EA	30' x 40'	Tri-Truss Rigid Single Wide Joined Shade Structure, 12' Opening Height, 3 Posts.....	84,990.43	

**11 68 16 00-0170 Full Cantilevers** (11 68 16 00-0001)  
 Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.

11 68 16 00-0171	EA	20' x 30'	Full Cantilever Rigid Single Shade Structure, 10' Opening Height, 2 Posts.....	49,694.91	
11 68 16 00-0172	EA	20' x 60'	Full Cantilever Rigid Joined Shade Structure, 12' Opening Height, 3 Posts.....	74,421.70	

**11 68 16 00-0173 Hip Roof** (11 68 16 00-0001)  
 Note: Outdoor weatherproof fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.

11 68 16 00-0174	EA	20' x 30'	Single Rigid Hip Roof Shade Structure, 20 LB Snowload, 10' Opening Height, 4 Posts.....	33,896.38	
11 68 16 00-0175	EA	20' x 30'	Single Rigid Hip Roof Shade Structure, 20 LB Snowload, 12' Opening Height, 4 Posts.....	37,970.52	

**11 68 16 00-0176 Hip Roof** (11 68 16 00-0001)  
 Note: Outdoor weatherproof fabric structure (Specified Fabric PVC).

11 68 16 00-0177	EA	30' x 30'	Weather Protector Hip Roof Shade Structure, 10' Opening Height, 4 Posts.....	72,657.58	
11 68 16 00-0178	EA	30' x 30'	Weather Protector Hip Roof Shade Structure, 12' Opening Height, 4 Posts.....	78,229.04	
11 68 16 00-0179	EA	30' x 60'	Weather Protector Joined Hip Roof Shade Structure, 10' Opening Height, 6 Posts.....	136,948.77	
11 68 16 00-0180	EA	30' x 60'	Weather Protector Joined Hip Roof Shade Structure, 12' Opening Height, 6 Posts.....	144,771.74	

**11 68 16 00-0181 Additional Items** (11 68 16 00-0001)

11 68 16 00-0182	EA	Concrete Cutting for Playground Shade Structure, Per Core.....		193.96	
11 68 16 00-0183	HR	Overtime Wage For Playground Shade Structure, Per Man Hour (First Shift).....		107.00	
11 68 16 00-0184	HR	Overtime Wage Or "Late Start" Shift For Playground Shade Structure, Per Man Hour (Second Shift).....		131.00	
11 68 16 00-0185	EA	Intumescent Paint Per Column.....		2,299.52	

**11 68 23 Exterior Court Athletic Equipment** (11 68)

**11 68 23 13 Exterior Basketball Equipment** (11 68 23)

**11 68 23 13-0001 Basketball Components** (11 68 23 13)

11 68 23 13-0002	EA	Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120).....		30.55	7.72
11 68 23 13-0003	EA	Chain Basketball Net (Porter Athletic 00161-000).....		51.73	7.72
11 68 23 13-0004	EA	Heavy Duty Goal Ring (Porter Athletic 00235-000).....		130.18	38.57
11 68 23 13-0005	EA	Goal Ring For Steel Net (Porter Athletic 00251-H00).....		251.18	17.36
11 68 23 13-0006	EA	42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000).....		1,081.12	32.78
		Note: Includes perimeter and target markings. Excludes pole and goal.			
11 68 23 13-0007	EA	42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300).....		1,153.76	32.78
		Note: Includes perimeter and target markings. Excludes pole and goal.			

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 23 13-0008	EA		54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300)..... Note: Includes perimeter and target markings. Excludes pole and goal.	826.42	28.92
11 68 23 13-0009	EA		54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000) ..... Note: Includes perimeter and target markings. Excludes pole and goal.	623.01	28.92
<b>11 68 23 13-0010</b>			<b>Basketball Systems</b> <sup>(11 68 23 13)</sup> See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
11 68 23 13-0011	EA		4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616).....	1,831.17	221.37
11 68 23 13-0012	EA		5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230).....	3,422.94	243.51
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0013	EA		4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230).....	2,444.54	221.37
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0014	EA		5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230).....	3,024.85	243.51
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0015	EA		Back To Back 4-1/2" Galvanized Steel Pole With 4' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 00184-230).....	3,863.90	325.54
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-498.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	700.00	
11 68 23 13-0016	EA		Back To Back 5-9/16" Galvanized Steel Pole With 6' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 00186-230).....	5,036.63	358.09
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-498.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	700.00	
<b>11 68 23 33</b>			<b>Tennis Equipment</b> <sup>(11 68 23)</sup>		
<b>11 68 23 33-0001</b>			<b>Tennis Court Net Posts</b> <sup>(11 68 23 33)</sup>		
11 68 23 33-0002	PR		Round, Powder Coated Steel, Tennis Court Net Posts With External Winder .....	891.46	128.92
11 68 23 33-0003	PR		Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder .....	1,105.05	128.92
11 68 23 33-0004	PR		Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder .....	1,140.64	128.92
11 68 23 33-0005	PR		Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder .....	1,202.20	128.92
11 68 23 33-0006	PR		Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder.....	1,421.39	128.92
11 68 23 33-0007	PR		Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts.....	221.10	
11 68 23 33-0008	PR		Galvanized Steel Ground Sleeves For Tennis Court Net Posts.....	247.71	
11 68 23 33-0009	PR		Round, Powder Coated Steel, Tennis Court Net Posts With External Winder (Porter 00865-200/300)..... Note: Includes ground sleeves.	1,801.08	128.92
11 68 23 33-0010	EA		Round, Powder Coated Steel, Tennis Court Net Posts With External Winder (Porter 00865-200/300)..... Note: (Single Post) Includes ground sleeve.	951.28	64.47
<b>11 68 23 33-0011</b>			<b>Tennis Court Nets</b> <sup>(11 68 23 33)</sup>		
11 68 23 33-0012	EA		42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net.....	461.93	127.41
11 68 23 33-0013	EA		42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net.....	504.41	127.41
11 68 23 33-0014	EA		42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net .....	1,072.55	196.05
11 68 23 33-0015	EA		Galvanized Steel Anchor For Tennis Court Net Center Strap .....	60.73	
<b>11 68 33</b>			<b>Athletic Field Equipment</b> <sup>(11 68)</sup>		
<b>11 68 33 13</b>			<b>Football Field Equipment</b> <sup>(11 68 33)</sup>		
<b>11 68 33 13-0001</b>			<b>Football Goal Posts</b> <sup>(11 68 33 13)</sup> Note: Includes auguring for post(s), set in concrete and backfill.		
11 68 33 13-0002	PR		Double Steel Football Goal Posts, "H Shape".....	3,708.13	347.06
11 68 33 13-0003	PR		Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights.....	5,387.19	523.81
11 68 33 13-0004	PR		Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights.....	6,436.34	628.57
<b>11 68 33 23</b>			<b>Soccer and Field Hockey Equipment</b> <sup>(11 68 33)</sup>		
<b>11 68 33 23-0001</b>			<b>Soccer Goal Posts</b> <sup>(11 68 33 23)</sup> Note: Includes auguring for post(s), set in concrete and backfill.		
11 68 33 23-0002	PR		Regulation Soccer Goal Posts .....	3,550.55	227.52
11 68 33 23-0003	PR		Combination Football/Soccer Goal Post .....	4,301.84	347.06
11 68 33 23-0004	PR		Portable Soccer Goal, Porter #477 .....	5,365.29	227.52
11 68 33 23-0005	PR		Soccer Net, Porter #491-824 .....	345.46	18.96
11 68 33 23-0006	PR		Field Hockey Goal With Net, Porter #260 .....	4,724.36	151.68
11 68 33 23-0007	PR		Lacrosse Goal With Net, Porter #261 .....	2,161.14	151.68
<b>11 68 33 33</b>			<b>Baseball Field Equipment</b> <sup>(11 68 33)</sup>		
<b>11 68 33 33-0001</b>			<b>Bases</b> <sup>(11 68 33 33)</sup>		
11 68 33 33-0002	SET		Bases For Baseball Or Softball .....	415.93	

11 80 Facility Maintenance and Operation Equipment <sup>(11)</sup>11 81 Maintenance Equipment <sup>(11 80)</sup>

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**11 81 29 Facility Fall Protection (11 81)**

11 81 29 00-0001	<b>Safety And Tie-Back Anchors (11 81 29)</b> Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation.		
11 81 29 00-0002	<b>Roof Mounted, Safety And Tie-Back Anchors (11 81 29 00-0001)</b> Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0003	EA Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	593.30	78.65
	Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
	For Stainless Steel Pad Eye, Add	40.00	
	For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0004	EA Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	514.71	78.65
	Note: Includes drilling in concrete and adhesive anchor systems.		
	For Stainless Steel Pad Eye, Add	40.00	
	For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0005	EA Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	369.18	71.13
	Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
	For Stainless Steel Pad Eye, Add	40.00	
	For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0006	<b>Wall Mounted, Safety And Tie-Back Anchor (11 81 29 00-0001)</b> Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0007	EA Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	420.51	78.65
	Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
	For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0008	EA Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	382.26	78.65
	Note: Includes drilling in concrete and adhesive anchor systems.		
	For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0009	EA Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	327.16	71.13
	Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
	For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0010	<b>Safety And Tie-Back Anchor Accessories (11 81 29 00-0001)</b>		
11 81 29 00-0011	EA Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor).....	305.60	
	Note: One cut sheet required per order.		

**11 82 Facility Solid Waste Handling Equipment (11 80)**

**11 82 19 Packaged Incinerators (11 82)**

11 82 19 00-0001	<b>Electric Incinerator (11 82 19)</b>		
11 82 19 00-0002	EA Electric Package Incinerator, 100 LB/Hour.....	27,447.00	914.35
11 82 19 00-0003	EA Electric Package Incinerator, 400 LB/Hour.....	56,143.51	1,828.72
11 82 19 00-0004	EA Electric Package Incinerator, 1,000 LB/Hour.....	188,469.16	2,743.07
11 82 19 00-0005	<b>Medical Waste Incinerator (11 82 19)</b>		
11 82 19 00-0006	EA Medical Waste Incinerator, 25 LB/Hour Size 2'-7" x 4'-0".....	15,568.18	1,828.72
11 82 19 00-0007	EA Medical Waste Incinerator, 50 LB/Hour Size 2'-11" x 4'-11".....	29,162.78	1,828.72
11 82 19 00-0008	EA Medical Waste Incinerator, 75 LB/Hour Size 3'-8" x 5'-0".....	40,051.16	3,657.43
11 82 19 00-0009	EA Medium Waste Incinerator, 100 LB/Hour Size 3'-8" x 6'-0".....	57,900.99	3,657.43

**11 82 26 Facility Waste Compactors (11 82)**

11 82 26 00-0001	<b>110 Volt Compactors (11 82 26)</b>		
11 82 26 00-0002	EA Waste Compactor, 110 Volt At 75 LB/Hour.....	14,949.03	476.57
11 82 26 00-0003	EA Waste Compactor, 110 Volt At 250 LB/Hour.....	18,937.69	1,143.76
11 82 26 00-0004	<b>230 Volt Compactors (11 82 26)</b>		
11 82 26 00-0005	EA Waste Compactor, 230 Volt At 600 LB/Hour Hand Fed.....	19,034.31	1,525.03
11 82 26 00-0006	EA Waste Compactor, 230 Volt At 600 LB/Hour Chute Fed.....	21,563.28	2,001.59
11 82 26 00-0007	<b>Trash Compactors (11 82 26)</b>		
11 82 26 00-0008	EA Trash Compactor, Small.....	2,918.06	252.78
11 82 26 00-0009	EA Trash Compactor, Large.....	3,591.76	286.06

11	<b>11 Equipment</b>	
	11 80	Facility Maintenance and Operation Equipment
	11 82	Facility Solid Waste Handling Equipment

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**END OF SECTION 11**



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 12 Furnishings

### 12 01 Operation and Maintenance of Furnishings <sup>(12)</sup>

#### 12 01 60 Operation and Maintenance of Multiple Seating <sup>(12 01)</sup>

<b>12 01 60 00-0001</b>	<b>Repair Fixed Auditorium Seating <sup>(12 01 60)</sup></b>		
12 01 60 00-0002	EA Removal And Replacement Of Hardwood/Plywood Auditorium Seat Part.....	143.73	
12 01 60 00-0003	EA Removal And Replacement Of Auditorium Seat Armrest Part.....	68.61	
12 01 60 00-0004	EA Removal And Replacement Of End Armrest Part.....	93.70	
12 01 60 00-0005	EA Removal And Replacement Of Auditorium Seat Kick Plate Part.....	104.13	
12 01 60 00-0006	EA Removal And Replacement Of Auditorium Seat Long Back Part.....	172.36	
12 01 60 00-0007	EA Removal And Replacement Of Auditorium Seat Center Standard Part.....	133.65	
12 01 60 00-0008	EA Removal And Replacement Of Auditorium Seat Back Bracket Part.....	58.28	
12 01 60 00-0009	EA Removal And Replacement Of Auditorium Seat Bracket Part.....	60.55	
12 01 60 00-0010	EA Secure Seat To Floor.....	56.43	
12 01 60 00-0011	EA Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor.....	66.75	
	Note: Includes drilling and fasteners.		
	For Epoxy Anchoring, Add	19.55	
	For Expansion Anchor Mounting With Anchor Caps, Add	24.02	
	For Epoxy Anchor Mounting With Anchor Caps, Add	28.20	
12 01 60 00-0012	EA Reupholster Auditorium Seat And Back.....	176.43	
	Note: Includes removal of existing upholstery.		

### 12 20 Window Treatments <sup>(12)</sup>

#### 12 21 Window Blinds <sup>(12 20)</sup>

##### 12 21 13 Horizontal Louver Blinds <sup>(12 21)</sup>

Note: Includes headrail, brackets, cords and all hardware.

##### 12 21 13 13 Metal Horizontal Louver Blinds <sup>(12 21 13)</sup>

##### 12 21 13 13-0001 Aluminum Horizontal Louver Blinds <sup>(12 21 13 13)</sup>

12 21 13 13-0002	SF 1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	11.61	0.87
12 21 13 13-0003	SF 1" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	9.47	0.87
12 21 13 13-0004	SF 1" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	10.30	0.87
12 21 13 13-0005	SF 2" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	11.94	0.87

##### 12 21 13 33 Plastic Horizontal Louver Blinds <sup>(12 21 13)</sup>

##### 12 21 13 33-0001 Vinyl Horizontal Louver Blinds <sup>(12 21 13 33)</sup>

12 21 13 33-0002	SF 1" Slats, Vinyl Horizontal Louver Blinds.....	9.80	0.87
12 21 13 33-0003	SF 2" Slats, Vinyl Horizontal Louver Blinds.....	11.37	0.87

##### 12 21 16 Vertical Louver Blinds <sup>(12 21)</sup>

Note: Includes headrail, brackets, cords and all hardware.

##### 12 21 16 13 Metal Vertical Louver Blinds <sup>(12 21 16)</sup>

##### 12 21 16 13-0001 Aluminum Vertical Louver Blinds <sup>(12 21 16 13)</sup>

12 21 16 13-0002	SF 3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds.....	13.36	1.83
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##### 12 21 16 33 Plastic Vertical Louver Blinds <sup>(12 21 16)</sup>

##### 12 21 16 33-0001 Vinyl Vertical Louver Blinds <sup>(12 21 16 33)</sup>

12 21 16 33-0002	SF 2" Slats, Vinyl Vertical Louver Blinds.....	8.49	1.83
12 21 16 33-0003	SF 3-1/2" Slats, Vinyl Vertical Louver Blinds.....	12.04	1.83

### 12 22 Curtains and Drapes <sup>(12 20)</sup>

#### 12 22 13 Draperies <sup>(12 22)</sup>

##### 12 22 13 00-0001 Lined Draperies <sup>(12 22 13)</sup>

Note: Width dimensions are the panel width at top excluding returns and overlaps.

##### 12 22 13 00-0002 Up To 48" Wide Lined Draperies <sup>(12 22 13 00-0001)</sup>

12 22 13 00-0003	EA Up To 39" Long, Up To 48" Wide Lined Draperies.....	292.43	13.11
12 22 13 00-0004	EA >39" To 63" Long, Up To 48" Wide Lined Draperies.....	304.39	13.11
12 22 13 00-0005	EA >63" To 72" Long, Up To 48" Wide Lined Draperies.....	323.83	13.11
12 22 13 00-0006	EA >72" To 81" Long, Up To 48" Wide Lined Draperies.....	331.31	13.11
12 22 13 00-0007	EA >81" To 90" Long, Up To 48" Wide Lined Draperies.....	349.26	13.11
12 22 13 00-0008	EA >90" To 99" Long, Up To 48" Wide Lined Draperies.....	373.19	13.11
12 22 13 00-0009	EA >99" To 108" Long, Up To 48" Wide Lined Draperies.....	388.15	13.11
12 22 13 00-0010	EA >108" To 120" Long, Up To 48" Wide Lined Draperies.....	409.08	13.11
12 22 13 00-0011	EA >120" To 130" Long, Up To 48" Wide Lined Draperies.....	441.99	13.11

##### 12 22 13 00-0012 >48" To 72" Wide Lined Draperies <sup>(12 22 13 00-0001)</sup>

**12 Furnishings**  
**12 20 Window Treatments**  
**12 22 Curtains and Drapes**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

12 22 13 00-0013	EA	Up To 39" Long, >48" To 72" Wide Lined Draperies .....	424.51	17.83
12 22 13 00-0014	EA	>39" To 63" Long, >48" To 72" Wide Lined Draperies .....	451.43	17.83
12 22 13 00-0015	EA	>63" To 72" Long, >48" To 72" Wide Lined Draperies .....	472.36	17.83
12 22 13 00-0016	EA	>72" To 81" Long, >48" To 72" Wide Lined Draperies .....	490.31	17.83
12 22 13 00-0017	EA	>81" To 90" Long, >48" To 72" Wide Lined Draperies .....	532.19	17.83
12 22 13 00-0018	EA	>90" To 99" Long, >48" To 72" Wide Lined Draperies .....	553.13	17.83
12 22 13 00-0019	EA	>99" To 108" Long, >48" To 72" Wide Lined Draperies .....	571.07	17.83
12 22 13 00-0020	EA	>108" To 120" Long, >48" To 72" Wide Lined Draperies .....	609.96	17.83
12 22 13 00-0021	EA	>120" To 130" Long, >48" To 72" Wide Lined Draperies .....	651.84	17.83

**12 22 13 00-0022 >72" To 96" Wide Lined Draperies (12 22 13 00-0001)**

12 22 13 00-0023	EA	Up To 39" Long, >72" To 96" Wide Lined Draperies .....	562.57	22.55
12 22 13 00-0024	EA	>39" To 63" Long, >72" To 96" Wide Lined Draperies .....	601.45	22.55
12 22 13 00-0025	EA	>63" To 72" Long, >72" To 96" Wide Lined Draperies .....	619.40	22.55
12 22 13 00-0026	EA	>72" To 81" Long, >72" To 96" Wide Lined Draperies .....	661.28	22.55
12 22 13 00-0027	EA	>81" To 90" Long, >72" To 96" Wide Lined Draperies .....	700.16	22.55
12 22 13 00-0028	EA	>90" To 99" Long, >72" To 96" Wide Lined Draperies .....	739.05	22.55
12 22 13 00-0029	EA	>99" To 108" Long, >72" To 96" Wide Lined Draperies .....	759.99	22.55
12 22 13 00-0030	EA	>108" To 120" Long, >72" To 96" Wide Lined Draperies .....	801.86	22.55
12 22 13 00-0031	EA	>120" To 130" Long, >72" To 96" Wide Lined Draperies .....	858.69	22.55

**12 22 13 00-0032 >96" To 120" Wide Lined Draperies (12 22 13 00-0001)**

12 22 13 00-0033	EA	Up To 39" Long, >96" To 120" Wide Lined Draperies .....	709.60	27.27
12 22 13 00-0034	EA	>39" To 63" Long, >96" To 120" Wide Lined Draperies .....	748.49	27.27
12 22 13 00-0035	EA	>63" To 72" Long, >96" To 120" Wide Lined Draperies .....	769.43	27.27
12 22 13 00-0036	EA	>72" To 81" Long, >96" To 120" Wide Lined Draperies .....	829.25	27.27
12 22 13 00-0037	EA	>81" To 90" Long, >96" To 120" Wide Lined Draperies .....	868.13	27.27
12 22 13 00-0038	EA	>90" To 99" Long, >96" To 120" Wide Lined Draperies .....	910.01	27.27
12 22 13 00-0039	EA	>99" To 108" Long, >96" To 120" Wide Lined Draperies .....	874.45	27.27
12 22 13 00-0040	EA	>108" To 120" Long, >96" To 120" Wide Lined Draperies .....	1,011.71	27.27
12 22 13 00-0041	EA	>120" To 130" Long, >96" To 120" Wide Lined Draperies .....	1,041.62	27.27

**12 22 13 00-0042 >120" To 144" Wide Lined Draperies (12 22 13 00-0001)**

12 22 13 00-0043	EA	Up To 39" Long, >120" To 144" Wide Lined Draperies .....	838.69	31.98
12 22 13 00-0044	EA	>39" To 63" Long, >120" To 144" Wide Lined Draperies .....	895.52	31.98
12 22 13 00-0045	EA	>63" To 72" Long, >120" To 144" Wide Lined Draperies .....	916.46	31.98
12 22 13 00-0046	EA	>72" To 81" Long, >120" To 144" Wide Lined Draperies .....	976.29	31.98
12 22 13 00-0047	EA	>81" To 90" Long, >120" To 144" Wide Lined Draperies .....	1,036.11	31.98
12 22 13 00-0048	EA	>90" To 99" Long, >120" To 144" Wide Lined Draperies .....	1,095.93	31.98
12 22 13 00-0049	EA	>99" To 108" Long, >120" To 144" Wide Lined Draperies .....	1,155.76	31.98
12 22 13 00-0050	EA	>108" To 120" Long, >120" To 144" Wide Lined Draperies .....	1,215.58	31.98
12 22 13 00-0051	EA	>120" To 130" Long, >120" To 144" Wide Lined Draperies .....	1,290.36	31.98

**12 22 13 00-0052 >144" To 168" Wide Lined Draperies (12 22 13 00-0001)**

12 22 13 00-0053	EA	Up To 39" Long, >144" To 168" Wide Lined Draperies .....	985.73	36.70
12 22 13 00-0054	EA	>39" To 63" Long, >144" To 168" Wide Lined Draperies .....	1,045.55	36.70
12 22 13 00-0055	EA	>63" To 72" Long, >144" To 168" Wide Lined Draperies .....	1,090.42	36.70
12 22 13 00-0056	EA	>72" To 81" Long, >144" To 168" Wide Lined Draperies .....	1,150.24	36.70
12 22 13 00-0057	EA	>81" To 90" Long, >144" To 168" Wide Lined Draperies .....	1,210.06	36.70
12 22 13 00-0058	EA	>90" To 99" Long, >144" To 168" Wide Lined Draperies .....	1,284.85	36.70
12 22 13 00-0059	EA	>99" To 108" Long, >144" To 168" Wide Lined Draperies .....	1,344.67	36.70
12 22 13 00-0060	EA	>108" To 120" Long, >144" To 168" Wide Lined Draperies .....	1,404.49	36.70
12 22 13 00-0061	EA	>120" To 130" Long, >144" To 168" Wide Lined Draperies .....	1,509.18	36.70

**12 22 13 00-0062 >168" To 192" Wide Lined Draperies (12 22 13 00-0001)**

12 22 13 00-0063	EA	Up To 39" Long, >168" To 192" Wide Lined Draperies .....	1,114.81	41.42
12 22 13 00-0064	EA	>39" To 63" Long, >168" To 192" Wide Lined Draperies .....	1,189.59	41.42
12 22 13 00-0065	EA	>63" To 72" Long, >168" To 192" Wide Lined Draperies .....	1,234.46	41.42
12 22 13 00-0066	EA	>72" To 81" Long, >168" To 192" Wide Lined Draperies .....	1,309.24	41.42
12 22 13 00-0067	EA	>81" To 90" Long, >168" To 192" Wide Lined Draperies .....	1,369.06	41.42
12 22 13 00-0068	EA	>90" To 99" Long, >168" To 192" Wide Lined Draperies .....	1,443.84	41.42
12 22 13 00-0069	EA	>99" To 108" Long, >168" To 192" Wide Lined Draperies .....	1,563.49	41.42
12 22 13 00-0070	EA	>108" To 120" Long, >168" To 192" Wide Lined Draperies .....	1,608.36	41.42
12 22 13 00-0071	EA	>120" To 130" Long, >168" To 192" Wide Lined Draperies .....	1,713.05	41.42

**12 22 13 00-0072 >192" To 216" Wide Lined Draperies (12 22 13 00-0001)**

12 22 13 00-0073	EA	Up To 39" Long, >192" To 216" Wide Lined Draperies .....	1,258.86	46.14
12 22 13 00-0074	EA	>39" To 63" Long, >192" To 216" Wide Lined Draperies .....	1,318.68	46.14
12 22 13 00-0075	EA	>63" To 72" Long, >192" To 216" Wide Lined Draperies .....	1,378.50	46.14
12 22 13 00-0076	EA	>72" To 81" Long, >192" To 216" Wide Lined Draperies .....	1,468.24	46.14
12 22 13 00-0077	EA	>81" To 90" Long, >192" To 216" Wide Lined Draperies .....	1,557.97	46.14
12 22 13 00-0078	EA	>90" To 99" Long, >192" To 216" Wide Lined Draperies .....	1,647.71	46.14
12 22 13 00-0079	EA	>99" To 108" Long, >192" To 216" Wide Lined Draperies .....	1,722.49	46.14
12 22 13 00-0080	EA	>108" To 120" Long, >192" To 216" Wide Lined Draperies .....	1,797.27	46.14
12 22 13 00-0081	EA	>120" To 130" Long, >192" To 216" Wide Lined Draperies .....	1,931.87	46.14

**12 22 13 00-0082 >216" To 240" Wide Lined Draperies (12 22 13 00-0001)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 22 13 00-0083	EA	Up To 39" Long, >216" To 240" Wide Lined Draperies	.....	1,387.94	50.86
12 22 13 00-0084	EA	>39" To 63" Long, >216" To 240" Wide Lined Draperies	.....	1,492.64	50.86
12 22 13 00-0085	EA	>63" To 72" Long, >216" To 240" Wide Lined Draperies	.....	1,537.50	50.86
12 22 13 00-0086	EA	>72" To 81" Long, >216" To 240" Wide Lined Draperies	.....	1,627.24	50.86
12 22 13 00-0087	EA	>81" To 90" Long, >216" To 240" Wide Lined Draperies	.....	1,731.93	50.86
12 22 13 00-0088	EA	>90" To 99" Long, >216" To 240" Wide Lined Draperies	.....	1,821.67	50.86
12 22 13 00-0089	EA	>99" To 108" Long, >216" To 240" Wide Lined Draperies	.....	1,911.40	50.86
12 22 13 00-0090	EA	>108" To 120" Long, >216" To 240" Wide Lined Draperies	.....	2,001.14	50.86
12 22 13 00-0091	EA	>120" To 130" Long, >216" To 240" Wide Lined Draperies	.....	2,150.70	50.86

**12 22 16 Drapery Track and Accessories (12 22)**

**12 22 16 00-0001 Metal Wall Or Ceiling Mount Drapery Tracks (12 22 16)**

**12 22 16 00-0002 Basic Traverse Rod (12 22 16 00-0001)**

12 22 16 00-0003	EA	Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	.....	113.26	41.16
12 22 16 00-0004	EA	Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	.....	129.57	41.16
12 22 16 00-0005	EA	Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	.....	152.65	45.74
12 22 16 00-0006	EA	Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	.....	203.60	45.74
12 22 16 00-0007	EA	Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track	.....	213.03	50.31

**12 22 16 00-0008 Traverse Rod With Stationary Curtain Rod (12 22 16 00-0001)**

12 22 16 00-0009	EA	Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	.....	128.89	41.16
12 22 16 00-0010	EA	Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	.....	139.43	41.16
12 22 16 00-0011	EA	Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	.....	177.46	45.74
12 22 16 00-0012	EA	Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	.....	203.18	50.31

**12 22 16 00-0013 Double Traverse Rod (12 22 16 00-0001)**

12 22 16 00-0014	EA	Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	.....	155.75	41.16
12 22 16 00-0015	EA	Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	.....	187.70	41.16
12 22 16 00-0016	EA	Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	.....	233.37	45.74
12 22 16 00-0017	EA	Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	.....	253.14	50.31

**12 22 16 00-0018 Curtain Rods (12 22 16 00-0001)**

12 22 16 00-0019	LF	Standard Metal Curtain Rod, White	.....	8.66	1.88
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**12 22 16 00-0020 Relocate Drapery And Rod (12 22 16 00-0001)**

12 22 16 00-0021	LF	Relocate Any Type Of Drapery And Any Type Rod	.....	27.44	
Note: Includes storage and cleaning.					

**12 22 16 00-0022 Motorized Drapery Track (12 22 16)**

12 22 16 00-0023	EA	2' To 4' Wide, Motorized Curtain Track (Somfy Glydea 60E)	.....	1,271.68	105.65
12 22 16 00-0024	EA	>4' To 5' Wide, Motorized Curtain Track (Somfy Glydea 60E)	.....	1,326.36	116.21
12 22 16 00-0025	EA	>5' To 6' Wide, Motorized Curtain Track (Somfy Glydea 60E)	.....	1,381.07	126.77
12 22 16 00-0026	EA	>6' To 7' Wide, Motorized Curtain Track (Somfy Glydea 60E)	.....	1,435.75	137.34
12 22 16 00-0027	EA	>7' To 8' Wide, Motorized Curtain Track (Somfy Glydea 60E)	.....	1,490.45	147.90
12 22 16 00-0028	EA	>8' To 9' Wide, Motorized Curtain Track (Somfy Glydea 60E)	.....	1,545.15	158.47
12 22 16 00-0029	EA	>9' To 10' Wide, Motorized Curtain Track (Somfy Glydea 60E)	.....	1,599.84	169.03
12 22 16 00-0030	EA	>10' To 11' Wide, Motorized Curtain Track (Somfy Glydea 60E)	.....	1,654.53	179.59
12 22 16 00-0031	EA	>11' To 12' Wide, Motorized Curtain Track (Somfy Glydea 60E)	.....	1,709.23	190.16
12 22 16 00-0032	EA	>12' To 13' Wide, Motorized Curtain Track (Somfy Glydea 60E)	.....	1,763.92	200.72
12 22 16 00-0033	EA	>13' To 14' Wide, Motorized Curtain Track (Somfy Glydea 60E)	.....	1,818.62	211.29
12 22 16 00-0034	EA	>14' To 15' Wide, Motorized Curtain Track (Somfy Glydea 60E)	.....	1,873.32	221.85
12 22 16 00-0035	EA	>15' To 16' Wide, Motorized Curtain Track (Somfy Glydea 60E)	.....	1,928.01	232.41
12 22 16 00-0036	EA	>16' To 17' Wide, Motorized Curtain Track (Somfy Glydea 60E)	.....	1,982.71	242.98
12 22 16 00-0037	EA	>17' To 18' Wide, Motorized Curtain Track (Somfy Glydea 60E)	.....	2,037.40	253.55
12 22 16 00-0038	EA	>18' To 19' Wide, Motorized Curtain Track (Somfy Glydea 60E)	.....	2,092.10	264.10
12 22 16 00-0039	EA	>19' To 20' Wide, Motorized Curtain Track (Somfy Glydea 60E)	.....	2,146.78	274.67
12 22 16 00-0040	EA	>20' To 21' Wide, Motorized Curtain Track (Somfy Glydea 60E)	.....	2,201.49	285.24
12 22 16 00-0041	EA	>21' To 22' Wide, Motorized Curtain Track (Somfy Glydea 60E)	.....	2,256.18	295.80
12 22 16 00-0042	EA	>22' To 23' Wide, Motorized Curtain Track (Somfy Glydea 60E)	.....	2,310.87	306.36
12 22 16 00-0043	EA	>23' To 24' Wide, Motorized Curtain Track (Somfy Glydea 60E)	.....	2,365.57	316.93

**12 23 Interior Shutters (12 20)**

**12 23 00 00-0001 Interior Plantation Shutters (12 23)**

Note: Mixture of white pine and poplar wood, stile: 1-3/4" x 1-1/8" thick, blade: 3/8" x 2-3/8", top and bottom rail: 4" x 1-5/16" thick. 36" To 48" heights do not have center rail, 52" to 80" with center rail. Center rail: 2" x 15/16"

**12 23 00 00-0002 12" Wide (12 23 00 00-0001)**

12 23 00 00-0003	PR	12" x 36" Plantation Shutter	.....	240.02	31.69
12 23 00 00-0004	PR	12" x 40" Plantation Shutter	.....	266.85	33.28
12 23 00 00-0005	PR	12" x 44" Plantation Shutter	.....	291.22	34.86
12 23 00 00-0006	PR	12" x 48" Plantation Shutter	.....	315.57	36.45
12 23 00 00-0007	PR	12" x 52" Plantation Shutter	.....	339.94	38.04
12 23 00 00-0008	PR	12" x 56" Plantation Shutter	.....	364.29	39.61
12 23 00 00-0009	PR	12" x 60" Plantation Shutter	.....	366.41	41.20
12 23 00 00-0010	PR	12" x 64" Plantation Shutter	.....	413.01	42.79

**12 Furnishings**  
**12 20 Window Treatments**  
**12 23 Interior Shutters**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 00 00-0011	PR		12" x 68" Plantation Shutter .....	437.38	44.37
12 23 00 00-0012	PR		12" x 72" Plantation Shutter .....	461.74	45.96
12 23 00 00-0013	PR		12" x 76" Plantation Shutter .....	486.10	47.53
12 23 00 00-0014	PR		12" x 80" Plantation Shutter .....	510.45	49.12
<b>12 23 00 00-0015</b>			<b>14" Wide (12 23 00 00-0001)</b>		
12 23 00 00-0016	PR		14" x 36" Plantation Shutter .....	249.91	31.69
12 23 00 00-0017	PR		14" x 40" Plantation Shutter .....	276.74	33.28
12 23 00 00-0018	PR		14" x 44" Plantation Shutter .....	301.10	34.86
12 23 00 00-0019	PR		14" x 48" Plantation Shutter .....	325.47	36.45
12 23 00 00-0020	PR		14" x 52" Plantation Shutter .....	352.30	38.04
12 23 00 00-0021	PR		14" x 56" Plantation Shutter .....	376.65	39.61
12 23 00 00-0022	PR		14" x 60" Plantation Shutter .....	401.02	41.20
12 23 00 00-0023	PR		14" x 64" Plantation Shutter .....	427.84	42.79
12 23 00 00-0024	PR		14" x 68" Plantation Shutter .....	452.21	44.37
12 23 00 00-0025	PR		14" x 72" Plantation Shutter .....	476.57	45.96
12 23 00 00-0026	PR		14" x 76" Plantation Shutter .....	503.41	47.53
12 23 00 00-0027	PR		14" x 80" Plantation Shutter .....	527.76	49.12
<b>12 23 00 00-0028</b>			<b>15" Wide (12 23 00 00-0001)</b>		
12 23 00 00-0029	PR		15" x 36" Plantation Shutter .....	259.80	31.69
12 23 00 00-0030	PR		15" x 40" Plantation Shutter .....	286.63	33.28
12 23 00 00-0031	PR		15" x 44" Plantation Shutter .....	310.98	34.86
12 23 00 00-0032	PR		15" x 48" Plantation Shutter .....	335.35	36.45
12 23 00 00-0033	PR		15" x 52" Plantation Shutter .....	362.18	38.04
12 23 00 00-0034	PR		15" x 56" Plantation Shutter .....	389.01	39.61
12 23 00 00-0035	PR		15" x 60" Plantation Shutter .....	415.85	41.20
12 23 00 00-0036	PR		15" x 64" Plantation Shutter .....	442.67	42.79
12 23 00 00-0037	PR		15" x 68" Plantation Shutter .....	469.51	44.37
12 23 00 00-0038	PR		15" x 72" Plantation Shutter .....	493.87	45.96
12 23 00 00-0039	PR		15" x 76" Plantation Shutter .....	520.71	47.53
12 23 00 00-0040	PR		15" x 80" Plantation Shutter .....	547.53	49.12
<b>12 23 00 00-0041</b>			<b>16" Wide (12 23 00 00-0001)</b>		
12 23 00 00-0042	PR		16" x 36" Plantation Shutter .....	274.63	31.69
12 23 00 00-0043	PR		16" x 40" Plantation Shutter .....	303.93	33.28
12 23 00 00-0044	PR		16" x 44" Plantation Shutter .....	330.76	34.86
12 23 00 00-0045	PR		16" x 48" Plantation Shutter .....	360.07	36.45
12 23 00 00-0046	PR		16" x 52" Plantation Shutter .....	386.90	38.04
12 23 00 00-0047	PR		16" x 56" Plantation Shutter .....	413.73	39.61
12 23 00 00-0048	PR		16" x 60" Plantation Shutter .....	440.57	41.20
12 23 00 00-0049	PR		16" x 64" Plantation Shutter .....	472.34	42.79
12 23 00 00-0050	PR		16" x 68" Plantation Shutter .....	499.18	44.37
12 23 00 00-0051	PR		16" x 72" Plantation Shutter .....	526.01	45.96
12 23 00 00-0052	PR		16" x 76" Plantation Shutter .....	555.32	47.53
12 23 00 00-0053	PR		16" x 80" Plantation Shutter .....	582.14	49.12
<b>12 23 00 00-0054</b>			<b>18" Wide (12 23 00 00-0001)</b>		
12 23 00 00-0055	PR		18" x 36" Plantation Shutter .....	296.88	31.69
12 23 00 00-0056	PR		18" x 40" Plantation Shutter .....	326.18	33.28
12 23 00 00-0057	PR		18" x 44" Plantation Shutter .....	355.48	34.86
12 23 00 00-0058	PR		18" x 48" Plantation Shutter .....	387.27	36.45
12 23 00 00-0059	PR		18" x 52" Plantation Shutter .....	416.57	38.04
12 23 00 00-0060	PR		18" x 56" Plantation Shutter .....	448.34	39.61
12 23 00 00-0061	PR		18" x 60" Plantation Shutter .....	477.65	41.20
12 23 00 00-0062	PR		18" x 64" Plantation Shutter .....	506.95	42.79
12 23 00 00-0063	PR		18" x 68" Plantation Shutter .....	536.26	44.37
12 23 00 00-0064	PR		18" x 72" Plantation Shutter .....	568.03	45.96
12 23 00 00-0065	PR		18" x 76" Plantation Shutter .....	597.34	47.53
12 23 00 00-0066	PR		18" x 80" Plantation Shutter .....	629.11	49.12
<b>12 23 00 00-0067</b>			<b>20" Wide (12 23 00 00-0001)</b>		
12 23 00 00-0068	PR		20" x 36" Plantation Shutter .....	321.60	31.69
12 23 00 00-0069	PR		20" x 40" Plantation Shutter .....	355.84	33.28
12 23 00 00-0070	PR		20" x 44" Plantation Shutter .....	387.62	34.86
12 23 00 00-0071	PR		20" x 48" Plantation Shutter .....	419.40	36.45
12 23 00 00-0072	PR		20" x 52" Plantation Shutter .....	453.65	38.04
12 23 00 00-0073	PR		20" x 56" Plantation Shutter .....	485.42	39.61
12 23 00 00-0074	PR		20" x 60" Plantation Shutter .....	519.68	41.20
12 23 00 00-0075	PR		20" x 64" Plantation Shutter .....	551.44	42.79
12 23 00 00-0076	PR		20" x 68" Plantation Shutter .....	585.70	44.37
12 23 00 00-0077	PR		20" x 72" Plantation Shutter .....	617.47	45.96
12 23 00 00-0078	PR		20" x 76" Plantation Shutter .....	651.73	47.53
12 23 00 00-0079	PR		20" x 80" Plantation Shutter .....	683.49	49.12
<b>12 23 00 00-0080</b>			<b>22" Wide (12 23 00 00-0001)</b>		
12 23 00 00-0081	PR		22" x 36" Plantation Shutter .....	341.37	31.69
12 23 00 00-0082	PR		22" x 40" Plantation Shutter .....	378.09	33.28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 23 00 00-0083	PR		22" x 44" Plantation Shutter	412.34	34.86
12 23 00 00-0084	PR		22" x 48" Plantation Shutter	4,154.61	36.45
12 23 00 00-0085	PR		22" x 52" Plantation Shutter	483.31	38.04
12 23 00 00-0086	PR		22" x 56" Plantation Shutter	517.56	39.61
12 23 00 00-0087	PR		22" x 60" Plantation Shutter	551.81	41.20
12 23 00 00-0088	PR		22" x 64" Plantation Shutter	588.52	42.79
12 23 00 00-0089	PR		22" x 68" Plantation Shutter	622.78	44.37
12 23 00 00-0090	PR		22" x 72" Plantation Shutter	659.50	45.96
12 23 00 00-0091	PR		22" x 76" Plantation Shutter	693.75	47.53
12 23 00 00-0092	PR		22" x 80" Plantation Shutter	730.46	49.12

**12 23 00 00-0093 24" Wide** (12 23 00 00-0001)

12 23 00 00-0094	PR		24" x 36" Plantation Shutter	361.15	31.69
12 23 00 00-0095	PR		24" x 40" Plantation Shutter	400.34	33.28
12 23 00 00-0096	PR		24" x 44" Plantation Shutter	437.06	34.86
12 23 00 00-0097	PR		24" x 48" Plantation Shutter	476.26	36.45
12 23 00 00-0098	PR		24" x 52" Plantation Shutter	512.98	38.04
12 23 00 00-0099	PR		24" x 56" Plantation Shutter	549.69	39.61
12 23 00 00-0100	PR		24" x 60" Plantation Shutter	586.42	41.20
12 23 00 00-0101	PR		24" x 64" Plantation Shutter	625.60	42.79
12 23 00 00-0102	PR		24" x 68" Plantation Shutter	662.33	44.37
12 23 00 00-0103	PR		24" x 72" Plantation Shutter	701.52	45.96
12 23 00 00-0104	PR		24" x 76" Plantation Shutter	738.25	47.53
12 23 00 00-0105	PR		24" x 80" Plantation Shutter	777.43	49.12

**12 24 Window Shades** (12 20)

**12 24 13 Roller Window Shades** (12 24)

**12 24 13 00-0001 Roller Window Shades** (12 24 13)

**12 24 13 00-0002 Vinyl Coated Fiberglass, Roller Window Shades** (12 24 13 00-0001)

Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0003	SF		0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades	14.92	0.62
12 24 13 00-0004	SF		1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades	14.92	0.62

**12 24 13 00-0005 Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades** (12 24 13 00-0001)

Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0006	SF		0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades	19.12	0.62
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**12 24 13 00-0007 Vinyl Coated Polyester, Roller Window Shades** (12 24 13 00-0001)

Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0008	SF		1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades	14.92	0.62
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**12 24 13 00-0009 Motorized Lightproof Shades** (12 24 13)

12 24 13 00-0010	SF		Motorized Lightproof Shades, Up To 144" Width	39.68	2.29
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**12 30 Casework** (12)

**12 31 Manufactured Metal Casework** (12 30)

**12 31 16 Manufactured Metal Sandwich Panel Casework** (12 31)

**12 31 16 00-0001 34-1/2" High x 24" Deep, Stainless Steel Cabinets** (12 31 16)

**12 31 16 00-0002 18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets** (12 31 16 00-0001)

**12 31 16 00-0003 18" Stainless Steel Base Cabinet** (12 31 16 00-0002)

12 31 16 00-0004	EA		18" Stainless Steel Base Cabinet, No Doors Or Drawers	1,559.88	254.88
			For 16 Gauge Stainless Steel, Add	225.74	
			For >5 To 9, Deduct	-55.12	
			For >9, Deduct	-110.25	
12 31 16 00-0005	EA		18" Stainless Steel Base Cabinet, With 4 Drawers	2,451.69	254.88
			For 16 Gauge Stainless Steel, Add	417.48	
			For >5 To 9, Deduct	-101.94	
			For >9, Deduct	-203.89	
12 31 16 00-0006	EA		18" Stainless Steel Base Cabinet, With 3 Drawers	2,283.41	254.88
			For 16 Gauge Stainless Steel, Add	381.30	
			For >5 To 9, Deduct	-93.11	
			For >9, Deduct	-186.22	
12 31 16 00-0007	EA		18" Stainless Steel Base Cabinet, With 2 Drawers	2,115.13	254.88
			For 16 Gauge Stainless Steel, Add	345.12	
			For >5 To 9, Deduct	-84.27	
			For >9, Deduct	-168.55	
12 31 16 00-0008	EA		18" Stainless Steel Base Cabinet, With Doors And Drawers	2,058.03	254.88
			For 16 Gauge Stainless Steel, Add	332.85	
			For >5 To 9, Deduct	-81.28	
			For >9, Deduct	-162.55	

**12 Furnishings**

**12 30 Casework**

**12 31 Manufactured Metal Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0009			<b>24" Stainless Steel Base Cabinet</b> <small>(12 31 16 00-0002)</small>		
12 31 16 00-0010	EA		24" Stainless Steel Base Cabinet, With Doors And Locks .....	2,206.74	275.47
			<i>For 16 Gauge Stainless Steel, Add</i>	355.91	
			<i>For &gt;5 To 9, Deduct</i>	-86.91	
			<i>For &gt;9, Deduct</i>	-173.82	
12 31 16 00-0011	EA		24" Stainless Steel Base Cabinet, With Door, No Locks.....	2,001.41	275.47
			<i>For 16 Gauge Stainless Steel, Add</i>	311.77	
			<i>For &gt;5 To 9, Deduct</i>	-76.13	
			<i>For &gt;9, Deduct</i>	-152.26	
12 31 16 00-0012	EA		24" Stainless Steel Base Cabinet, With Two Doors, No Locks .....	2,046.36	275.47
			<i>For 16 Gauge Stainless Steel, Add</i>	321.43	
			<i>For &gt;5 To 9, Deduct</i>	-78.49	
			<i>For &gt;9, Deduct</i>	-156.98	
12 31 16 00-0013	EA		24" Stainless Steel Base Cabinet, No Doors, 2 Drawers .....	2,255.34	275.47
			<i>For 16 Gauge Stainless Steel, Add</i>	366.36	
			<i>For &gt;5 To 9, Deduct</i>	-89.46	
			<i>For &gt;9, Deduct</i>	-178.92	
12 31 16 00-0014	EA		24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks.....	2,888.96	275.47
			<i>For 16 Gauge Stainless Steel, Add</i>	502.59	
			<i>For &gt;5 To 9, Deduct</i>	-122.73	
			<i>For &gt;9, Deduct</i>	-245.45	
12 31 16 00-0015	EA		24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks.....	3,160.52	275.47
			<i>For 16 Gauge Stainless Steel, Add</i>	560.97	
			<i>For &gt;5 To 9, Deduct</i>	-136.98	
			<i>For &gt;9, Deduct</i>	-273.96	
12 31 16 00-0016			<b>30" Stainless Steel Base Cabinet</b> <small>(12 31 16 00-0002)</small>		
12 31 16 00-0017	EA		30" Stainless Steel Base Cabinet, No Doors, No Drawers .....	1,966.82	290.29
			<i>For 16 Gauge Stainless Steel, Add</i>	298.09	
			<i>For &gt;5 To 9, Deduct</i>	-72.79	
			<i>For &gt;9, Deduct</i>	-145.58	
12 31 16 00-0018	EA		30" Stainless Steel Base Cabinet, With 4 Full Size Drawers.....	2,790.59	290.29
			<i>For 16 Gauge Stainless Steel, Add</i>	475.20	
			<i>For &gt;5 To 9, Deduct</i>	-116.04	
			<i>For &gt;9, Deduct</i>	-232.08	
12 31 16 00-0019	EA		30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks .....	3,548.14	290.29
			<i>For 16 Gauge Stainless Steel, Add</i>	638.07	
			<i>For &gt;5 To 9, Deduct</i>	-155.81	
			<i>For &gt;9, Deduct</i>	-311.62	
12 31 16 00-0020	EA		30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks.....	3,276.59	290.29
			<i>For 16 Gauge Stainless Steel, Add</i>	579.69	
			<i>For &gt;5 To 9, Deduct</i>	-141.55	
			<i>For &gt;9, Deduct</i>	-283.11	
12 31 16 00-0021	EA		30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer.....	3,108.31	290.29
			<i>For 16 Gauge Stainless Steel, Add</i>	543.51	
			<i>For &gt;5 To 9, Deduct</i>	-132.72	
			<i>For &gt;9, Deduct</i>	-265.44	
12 31 16 00-0022	EA		30" Stainless Steel Base Cabinet, With Doors, No Locks .....	2,425.48	290.29
			<i>For 16 Gauge Stainless Steel, Add</i>	396.70	
			<i>For &gt;5 To 9, Deduct</i>	-96.87	
			<i>For &gt;9, Deduct</i>	-193.74	
12 31 16 00-0023	EA		30" Stainless Steel Base Cabinet, With Doors And Locks .....	2,404.82	290.29
			<i>For 16 Gauge Stainless Steel, Add</i>	392.26	
			<i>For &gt;5 To 9, Deduct</i>	-95.78	
			<i>For &gt;9, Deduct</i>	-191.57	
12 31 16 00-0024			<b>36" Stainless Steel Base Cabinet</b> <small>(12 31 16 00-0002)</small>		
12 31 16 00-0025	EA		36" Stainless Steel Base Cabinet, No Doors, No Drawers .....	2,163.27	301.81
			<i>For 16 Gauge Stainless Steel, Add</i>	335.20	
			<i>For &gt;5 To 9, Deduct</i>	-81.85	
			<i>For &gt;9, Deduct</i>	-163.70	
12 31 16 00-0026	EA		36" Stainless Steel Base Cabinet, With Doors And Locks .....	2,601.89	301.81
			<i>For 16 Gauge Stainless Steel, Add</i>	429.50	
			<i>For &gt;5 To 9, Deduct</i>	-104.88	
			<i>For &gt;9, Deduct</i>	-209.76	
12 31 16 00-0027	EA		36" Stainless Steel Base Cabinet, With Door, No Lock.....	2,440.29	301.81
			<i>For 16 Gauge Stainless Steel, Add</i>	394.76	
			<i>For &gt;5 To 9, Deduct</i>	-96.39	
			<i>For &gt;9, Deduct</i>	-192.79	
12 31 16 00-0028	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	3,742.77	301.81
			<i>For 16 Gauge Stainless Steel, Add</i>	674.79	
			<i>For &gt;5 To 9, Deduct</i>	-164.77	
			<i>For &gt;9, Deduct</i>	-329.55	
12 31 16 00-0029	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks.....	3,471.83	301.81
			<i>For 16 Gauge Stainless Steel, Add</i>	616.54	
			<i>For &gt;5 To 9, Deduct</i>	-150.55	
			<i>For &gt;9, Deduct</i>	-301.10	
12 31 16 00-0030			<b>42" Stainless Steel Base Cabinet</b> <small>(12 31 16 00-0002)</small>		
12 31 16 00-0031	EA		42" Stainless Steel Base Cabinet, No Doors, No Drawers .....	2,272.80	320.74
			<i>For 16 Gauge Stainless Steel, Add</i>	350.72	
			<i>For &gt;5 To 9, Deduct</i>	-85.64	
			<i>For &gt;9, Deduct</i>	-171.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0032	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	3,948.89 711.08 -173.63 -347.27	320.74
12 31 16 00-0033	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	3,677.34 652.69 -159.38 -318.76	320.74
12 31 16 00-0034	EA		42" Stainless Steel Base Cabinet, No Doors, 2 Drawers ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	3,396.07 592.22 -144.61 -289.22	320.74
12 31 16 00-0035	EA		42" Stainless Steel Base Cabinet, With Doors, No Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,647.02 431.17 -105.29 -210.57	320.74
12 31 16 00-0036	EA		42" Stainless Steel Base Cabinet, With Doors And Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,806.19 465.40 -113.64 -227.29	320.74
<b>12 31 16 00-0037</b>			<b>48" Stainless Steel Base Cabinet</b> (12 31 16 00-0002)		
12 31 16 00-0038	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	4,137.10 748.47 -182.77 -365.53	328.16
12 31 16 00-0039	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	3,866.15 690.21 -168.54 -337.08	328.16
12 31 16 00-0040	EA		48" Stainless Steel Base Cabinet, No Doors, No Drawers..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,461.00 388.11 -94.77 -189.54	328.16
12 31 16 00-0041	EA		48" Stainless Steel Base Cabinet, No Doors, 2 Drawers ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	3,584.88 629.74 -153.77 -307.55	328.16
12 31 16 00-0042	EA		48" Stainless Steel Base Cabinet, With Doors, And Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,996.21 503.18 -122.87 -245.74	328.16
12 31 16 00-0043	EA		48" Stainless Steel Base Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,952.47 493.77 -120.57 -241.14	328.16
<b>12 31 16 00-0044</b>			<b>60" Stainless Steel Base Cabinet</b> (12 31 16 00-0002)		
12 31 16 00-0045	EA		24" Deep x 60" Wide Stainless Steel Sink Base Cabinet..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,928.31 484.25 -118.25 -236.50	338.15
<b>12 31 16 00-0046</b>			<b>18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets</b> (12 31 16 00-0001)		
<b>12 31 16 00-0047</b>			<b>12" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0048	EA		12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,156.41 206.90 -50.52 -101.04	97.03
12 31 16 00-0049	EA		12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,155.22 204.11 -49.84 -99.68	102.91
<b>12 31 16 00-0050</b>			<b>18" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0051	EA		18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,213.67 216.05 -52.76 -105.51	104.32
12 31 16 00-0052	EA		18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,147.46 201.81 -49.28 -98.56	104.32
12 31 16 00-0053	EA		18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,341.38 239.58 -58.50 -117.00	113.50
12 31 16 00-0054	EA		18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,300.67 230.82 -56.36 -112.73	113.50
<b>12 31 16 00-0055</b>			<b>24" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		

**12 Furnishings**

**12 30 Casework**

**12 31 Manufactured Metal Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0056	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door	1,022.60	115.50
			<i>For 16 Gauge Stainless Steel, Add</i>	170.21	
			<i>For &gt;5 To 9, Deduct</i>	-41.56	
			<i>For &gt;9, Deduct</i>	-83.13	
12 31 16 00-0057	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,368.87	115.50
			<i>For 16 Gauge Stainless Steel, Add</i>	244.66	
			<i>For &gt;5 To 9, Deduct</i>	-59.74	
			<i>For &gt;9, Deduct</i>	-119.48	
12 31 16 00-0058	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,303.26	115.50
			<i>For 16 Gauge Stainless Steel, Add</i>	230.55	
			<i>For &gt;5 To 9, Deduct</i>	-56.30	
			<i>For &gt;9, Deduct</i>	-112.59	
12 31 16 00-0059	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,288.34	107.85
			<i>For 16 Gauge Stainless Steel, Add</i>	230.57	
			<i>For &gt;5 To 9, Deduct</i>	-56.30	
			<i>For &gt;9, Deduct</i>	-112.60	
12 31 16 00-0060	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,218.47	107.85
			<i>For 16 Gauge Stainless Steel, Add</i>	215.54	
			<i>For &gt;5 To 9, Deduct</i>	-52.63	
			<i>For &gt;9, Deduct</i>	-105.27	
12 31 16 00-0061	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock	1,545.92	107.85
			<i>For 16 Gauge Stainless Steel, Add</i>	285.95	
			<i>For &gt;5 To 9, Deduct</i>	-69.82	
			<i>For &gt;9, Deduct</i>	-139.65	
12 31 16 00-0062	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	937.81	107.85
			<i>For 16 Gauge Stainless Steel, Add</i>	155.20	
			<i>For &gt;5 To 9, Deduct</i>	-37.90	
			<i>For &gt;9, Deduct</i>	-75.80	
12 31 16 00-0063	EA		24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	883.66	102.91
			<i>For 16 Gauge Stainless Steel, Add</i>	145.72	
			<i>For &gt;5 To 9, Deduct</i>	-35.58	
			<i>For &gt;9, Deduct</i>	-71.17	
<b>12 31 16 00-0064</b>			<b>30" Wide Stainless Steel Wall Cabinets</b> <small>(12 31 16 00-0046)</small>		
12 31 16 00-0065	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,762.51	122.67
			<i>For 16 Gauge Stainless Steel, Add</i>	326.18	
			<i>For &gt;5 To 9, Deduct</i>	-79.65	
			<i>For &gt;9, Deduct</i>	-159.30	
12 31 16 00-0066	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,603.35	122.67
			<i>For 16 Gauge Stainless Steel, Add</i>	291.96	
			<i>For &gt;5 To 9, Deduct</i>	-71.29	
			<i>For &gt;9, Deduct</i>	-142.59	
12 31 16 00-0067	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,097.30	122.67
			<i>For 16 Gauge Stainless Steel, Add</i>	183.16	
			<i>For &gt;5 To 9, Deduct</i>	-44.73	
			<i>For &gt;9, Deduct</i>	-89.45	
12 31 16 00-0068	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,674.71	112.91
			<i>For 16 Gauge Stainless Steel, Add</i>	311.49	
			<i>For &gt;5 To 9, Deduct</i>	-76.06	
			<i>For &gt;9, Deduct</i>	-152.13	
12 31 16 00-0069	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock	1,515.55	112.91
			<i>For 16 Gauge Stainless Steel, Add</i>	277.27	
			<i>For &gt;5 To 9, Deduct</i>	-67.71	
			<i>For &gt;9, Deduct</i>	-135.41	
12 31 16 00-0070	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,009.50	112.91
			<i>For 16 Gauge Stainless Steel, Add</i>	168.47	
			<i>For &gt;5 To 9, Deduct</i>	-41.14	
			<i>For &gt;9, Deduct</i>	-82.28	
12 31 16 00-0071	EA		30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	954.91	107.62
			<i>For 16 Gauge Stainless Steel, Add</i>	159.05	
			<i>For &gt;5 To 9, Deduct</i>	-38.84	
			<i>For &gt;9, Deduct</i>	-77.67	
<b>12 31 16 00-0072</b>			<b>36" Wide Stainless Steel Wall Cabinets</b> <small>(12 31 16 00-0046)</small>		
12 31 16 00-0073	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,832.23	126.21
			<i>For 16 Gauge Stainless Steel, Add</i>	339.66	
			<i>For &gt;5 To 9, Deduct</i>	-82.94	
			<i>For &gt;9, Deduct</i>	-165.88	
12 31 16 00-0074	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,669.42	126.21
			<i>For 16 Gauge Stainless Steel, Add</i>	304.66	
			<i>For &gt;5 To 9, Deduct</i>	-74.39	
			<i>For &gt;9, Deduct</i>	-148.79	
12 31 16 00-0075	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,167.02	126.21
			<i>For 16 Gauge Stainless Steel, Add</i>	196.64	
			<i>For &gt;5 To 9, Deduct</i>	-48.02	
			<i>For &gt;9, Deduct</i>	-96.04	
12 31 16 00-0076	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,743.09	115.50
			<i>For 16 Gauge Stainless Steel, Add</i>	325.11	
			<i>For &gt;5 To 9, Deduct</i>	-79.39	
			<i>For &gt;9, Deduct</i>	-158.78	
12 31 16 00-0077	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,584.54	115.50
			<i>For 16 Gauge Stainless Steel, Add</i>	291.03	
			<i>For &gt;5 To 9, Deduct</i>	-71.06	
			<i>For &gt;9, Deduct</i>	-142.13	
12 31 16 00-0078	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,077.88	115.50
			<i>For 16 Gauge Stainless Steel, Add</i>	182.09	
			<i>For &gt;5 To 9, Deduct</i>	-44.46	
			<i>For &gt;9, Deduct</i>	-88.93	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0079	EA		36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,024.35 172.94 -42.23 -84.46	109.98
<b>12 31 16 00-0080</b>			<b>42" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0081	EA		42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,932.94 347.36 -84.82 -169.64	158.79
12 31 16 00-0082	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,931.93 350.97 -85.70 -171.40	149.84
12 31 16 00-0083	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,770.33 316.22 -77.22 -154.43	149.84
12 31 16 00-0084	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,265.50 207.68 -50.71 -101.43	149.84
12 31 16 00-0085	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,814.13 335.93 -82.03 -164.06	125.85
12 31 16 00-0086	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,653.75 301.45 -73.61 -147.22	125.85
12 31 16 00-0087	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,148.92 192.91 -47.11 -94.21	125.85
<b>12 31 16 00-0088</b>			<b>48" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0089	EA		48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,711.85 298.45 -72.88 -145.75	158.79
12 31 16 00-0090	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,000.26 364.20 -88.93 -177.87	153.14
12 31 16 00-0091	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,841.09 329.98 -80.58 -161.15	153.14
12 31 16 00-0092	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,335.05 221.18 -54.01 -108.02	153.14
12 31 16 00-0093	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,880.84 349.72 -85.40 -170.80	127.02
12 31 16 00-0094	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,722.29 315.64 -77.07 -154.15	127.02
12 31 16 00-0095	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,215.63 206.70 -50.47 -100.95	127.02
<b>12 31 16 00-0096</b>			<b>Accessories</b> (12 31 16 00-0001)		
<b>12 31 16 00-0097</b>			<b>Stainless Steel Countertops</b> (12 31 16 00-0096) Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.		
12 31 16 00-0098	SF		16 Gauge Stainless Steel Countertop With Backsplash..... <i>For 14 Gauge Stainless Steel, Add</i>	91.39 17.34	6.47
12 31 16 00-0099	SF		16 Gauge Stainless Steel Countertop Without Backsplash..... <i>For 14 Gauge Stainless Steel, Add</i>	84.05 15.72	6.47
12 31 16 00-0100	EA		Cutout For Sink And/Or Faucet In Stainless Steel Countertop.....	157.23	
<b>12 31 16 00-0101</b>			<b>Stainless Steel Wall Panels</b> (12 31 16 00-0096)		
12 31 16 00-0102	SF		20 Gauge Stainless Steel Wall Panel..... <i>For 18 Gauge Stainless Steel, Add</i> <i>For 16 Gauge Stainless Steel, Add</i>	32.92 3.71 7.15	9.64
<b>12 31 16 00-0103</b>			<b>Pedestal Legs</b> (12 31 16 00-0096)		
12 31 16 00-0104	EA		Type #304 Stainless Steel Pedestal Leg.....	248.93	14.70

**12 Furnishings****12 30 Casework****12 31 Manufactured Metal Casework**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

12 31 16 00-0105		Stainless Steel Slanted Cabinet Top Enclosure <small>(12 31 16 00-0096)</small>		
12 31 16 00-0106	EA	Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections.....	274.94	26.21
<b>12 35 Specialty Casework <small>(12 30)</small></b>				
<b>12 35 70 Healthcare Casework <small>(12 35)</small></b>				
<b>12 35 70 13 Hospital Casework <small>(12 35 70)</small></b>				
<b>12 35 70 13-0001 Hospital Cabinets <small>(12 35 70 13)</small></b>				
12 35 70 13-0002	LF	Hospital Base Cabinet, Laminated Plastic .....	441.76	83.90
12 35 70 13-0003	LF	Hospital Base Cabinet, Enameled Steel .....	506.80	83.90
12 35 70 13-0004	LF	Hospital Base Cabinet, Stainless Steel .....	755.86	83.90
12 35 70 13-0005	LF	Hospital Cabinet Base Trim, 4" High Enameled Steel .....	52.67	4.19
12 35 70 13-0006	LF	Hospital Cabinet Base Trim, 4" High Stainless Steel .....	108.71	4.19
12 35 70 13-0007	LF	Hospital Counter Top, Laminated Plastic Without Backsplash.....	91.76	20.97
12 35 70 13-0008	LF	Hospital Counter Top, Laminated Plastic With Backsplash.....	100.07	20.97
12 35 70 13-0009	LF	Hospital Counter Top, Stainless Steel.....	201.08	20.97
12 35 70 13-0010	LF	Hospital Wall Cabinet, Laminated Plastic.....	354.36	56.10
12 35 70 13-0011	LF	Hospital Wall Cabinet, Enameled Steel.....	423.54	56.10
12 35 70 13-0012	LF	Hospital Wall Cabinet, Stainless Steel.....	631.10	56.10
<b>12 36 Countertops <small>(12 30)</small></b>				
<b>12 36 23 Plastic Countertops <small>(12 36)</small></b>				
<b>12 36 23 13 Plastic-Laminate-Clad Countertops <small>(12 36 23)</small></b>				
<b>12 36 23 13-0001 Plastic Laminate Countertops <small>(12 36 23 13)</small></b>				
Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, roundover, bevel, etc.				
12 36 23 13-0002	SF	Plastic Laminate Countertop Without Backsplash.....	16.23	10.48
12 36 23 13-0003	SF	Plastic Laminate Countertop With 4" Backsplash .....	21.67	10.48
12 36 23 13-0004	LF	Plastic Laminate End Splash For Plastic Laminate Countertops .....	17.39	3.14
12 36 23 13-0005	EA	Cutout For Sink And/Or Faucet In Plastic Laminate Countertop .....	87.35	
<b>12 36 53 Laboratory Countertops <small>(12 36)</small></b>				
<b>12 36 53 00-0001 Epoxy Resin Laboratory Countertops <small>(12 36 53)</small></b>				
Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.				
12 36 53 00-0002	SF	3/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	41.37	5.24
12 36 53 00-0003	SF	1" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	42.61	5.24
12 36 53 00-0004	SF	1-1/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	51.24	5.24
12 36 53 00-0005	LF	4" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop.....	16.36	3.14
12 36 53 00-0006	LF	6" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop.....	21.39	3.14
<b>12 36 53 00-0007 Epoxy Resin Laboratory Sinks <small>(12 36 53)</small></b>				
Note: Includes cut out for sinks, and sink strainer assembly set.				
<b>12 36 53 00-0008 Epoxy Resin Laboratory Undermount Sink <small>(12 36 53 00-0007)</small></b>				
12 36 53 00-0009	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink.....	461.12	100.27
12 36 53 00-0010	EA	12" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink.....	467.39	100.27
12 36 53 00-0011	EA	12" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink.....	534.46	100.27
12 36 53 00-0012	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink.....	467.39	100.27
12 36 53 00-0013	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink.....	497.20	108.71
12 36 53 00-0014	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink.....	519.55	108.71
12 36 53 00-0015	EA	16" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink.....	984.03	108.71
12 36 53 00-0016	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Undermount Sink.....	570.64	108.71
12 36 53 00-0017	EA	24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink.....	594.07	116.20
12 36 53 00-0018	EA	24" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink.....	709.34	116.20
12 36 53 00-0019	EA	24" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink.....	832.27	116.20
12 36 53 00-0020	EA	30" Length x 18" Width x 18" Depth, Black Epoxy Resin Laboratory Undermount Sink.....	1,709.70	116.20
12 36 53 00-0021	EA	31" Length x 21" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink.....	922.56	116.20
12 36 53 00-0022	EA	36" Length x 20" Width x 16" Depth, Black Epoxy Resin Laboratory Undermount Sink.....	1,829.97	116.20
12 36 53 00-0023	EA	42" Length x 20" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink.....	2,474.20	119.01
<b>12 36 53 00-0024 Epoxy Resin Laboratory Drop-in Sink <small>(12 36 53 00-0007)</small></b>				
12 36 53 00-0025	EA	9" Length x 6" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink.....	460.18	100.27
12 36 53 00-0026	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink.....	461.10	100.27
12 36 53 00-0027	EA	12" Length x 12" Width x 12" Depth, Black Epoxy Resin Laboratory Drop-in Sink.....	525.41	100.27
12 36 53 00-0028	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink.....	467.39	100.27
12 36 53 00-0029	EA	15" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink.....	488.30	100.27
12 36 53 00-0030	EA	15" Length x 8" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink.....	488.30	100.27
12 36 53 00-0031	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Drop-in Sink.....	497.20	108.71
12 36 53 00-0032	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink.....	519.55	108.71
12 36 53 00-0033	EA	16" Length x 16" Width x 9-5/8" Depth, Black Epoxy Resin Laboratory Drop-in Sink.....	532.35	108.71
12 36 53 00-0034	EA	18" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink.....	535.54	108.71
12 36 53 00-0035	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink.....	612.80	108.71
12 36 53 00-0036	EA	24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink.....	636.23	116.20
12 36 53 00-0037	EA	25" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink.....	648.13	116.20

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 53 00-0038	EA		25" Length x 15" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink.....	652.17	116.20
12 36 53 00-0039	EA		30" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink.....	919.46	116.20
12 36 53 00-0040	EA		10" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink.....	465.04	99.33
12 36 53 00-0041	EA		12" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink.....	475.87	99.33
<b>12 36 53 00-0042</b>			<b>Epoxy Resin Laboratory ADA Drop-in Sink</b> (12 36 53 00-0007)		
12 36 53 00-0043	EA		14" Length x 10" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink.....	462.70	99.33
12 36 53 00-0044	EA		14" Length x 14" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink.....	492.30	99.33
12 36 53 00-0045	EA		14" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink.....	507.43	99.33
12 36 53 00-0046	EA		25" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink.....	652.17	116.20
<b>12 36 53 00-0047</b>			<b>Epoxy Resin Laboratory Cup Sink</b> (12 36 53 00-0007)		
12 36 53 00-0048	EA		6" Length x 3" Width x 4" Depth, Black Oval Epoxy Resin Laboratory Cup Sink.....	323.23	80.59
<b>12 36 53 00-0049</b>			<b>Polypropylene Laboratory Countertops</b> (12 36 53)		
Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.					
12 36 53 00-0050	SF		3/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	20.44	5.24
12 36 53 00-0051	SF		1" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	22.29	5.24
12 36 53 00-0052	SF		1-1/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	24.66	5.24
12 36 53 00-0053	LF		4" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop.....	9.38	3.14
12 36 53 00-0054	LF		6" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop.....	10.92	3.14
<b>12 36 53 00-0055</b>			<b>Polypropylene Laboratory Sinks</b> (12 36 53)		
Note: Includes cut out for sinks, and sink strainer assembly set.					
<b>12 36 53 00-0056</b>			<b>Polypropylene Laboratory Undermount Sink</b> (12 36 53 00-0055)		
12 36 53 00-0057	EA		12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink.....	532.93	100.27
12 36 53 00-0058	EA		12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink.....	559.67	100.27
12 36 53 00-0059	EA		14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink.....	553.09	100.27
12 36 53 00-0060	EA		16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Undermount Sink.....	583.09	108.71
12 36 53 00-0061	EA		16" Length x 13" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink.....	710.68	108.71
12 36 53 00-0062	EA		17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink.....	717.34	108.71
12 36 53 00-0063	EA		18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink.....	717.34	108.71
12 36 53 00-0064	EA		24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink.....	767.65	116.20
12 36 53 00-0065	EA		25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Undermount Sink.....	801.39	116.20
12 36 53 00-0066	EA		23" Length x 17" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink.....	767.65	116.20
12 36 53 00-0067	EA		30" Length x 18" Width x 18" Depth, Black Polypropylene Laboratory Undermount Sink.....	1,170.64	116.20
12 36 53 00-0068	EA		31" Length x 20.5" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink.....	1,164.65	116.20
12 36 53 00-0069	EA		42" Length x 18" Width x 16" Depth, Black Polypropylene Laboratory Undermount Sink.....	2,011.29	119.01
<b>12 36 53 00-0070</b>			<b>Polypropylene Laboratory Drop-in Sink</b> (12 36 53 00-0055)		
12 36 53 00-0071	EA		11" Length x 11" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink.....	465.80	100.27
12 36 53 00-0072	EA		12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	719.37	100.27
12 36 53 00-0073	EA		12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	492.51	100.27
12 36 53 00-0074	EA		14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Drop-in Sink.....	485.95	100.27
12 36 53 00-0075	EA		17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink.....	650.20	108.71
12 36 53 00-0076	EA		16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink.....	515.93	108.71
12 36 53 00-0077	EA		18" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	650.20	108.71
12 36 53 00-0078	EA		16" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	636.70	108.71
12 36 53 00-0079	EA		18" Length x 15" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	623.59	108.71
12 36 53 00-0080	EA		18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink.....	650.20	108.71
12 36 53 00-0081	EA		24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	700.51	116.20
12 36 53 00-0082	EA		25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink.....	734.23	116.20
12 36 53 00-0083	EA		31" Length x 17" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink.....	1,063.59	116.20
12 36 53 00-0084	EA		12" Diameter x 7.8" Depth, Black Round Polypropylene Laboratory Drop-in Sink.....	437.64	99.33
<b>12 36 53 00-0085</b>			<b>Polypropylene Laboratory ADA Drop-in Sink</b> (12 36 53 00-0055)		
12 36 53 00-0086	EA		16" Length x 16" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink.....	623.59	108.71
12 36 53 00-0087	EA		25" Length x 15" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink.....	719.12	116.20
<b>12 36 53 00-0088</b>			<b>Polypropylene Laboratory Cup Sink</b> (12 36 53 00-0055)		
12 36 53 00-0089	EA		6" Length x 3" Width x 4" Depth, Black Oval Polypropylene Laboratory Cup Sink.....	353.45	99.33
<b>12 36 53 00-0090</b>			<b>Phenolic Resin Laboratory Countertops</b> (12 36 53)		
Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.					
12 36 53 00-0091	SF		3/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	35.23	5.24
12 36 53 00-0092	SF		1" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	39.50	5.24
12 36 53 00-0093	SF		1-1/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	42.48	5.24
12 36 53 00-0094	LF		4" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop.....	13.84	3.14
12 36 53 00-0095	LF		6" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop.....	17.57	3.14
<b>12 36 53 00-0096</b>			<b>High Pressure Laminate Laboratory Countertops</b> (12 36 53)		
Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.					
12 36 53 00-0097	SF		3/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges.....	21.38	5.24
12 36 53 00-0098	SF		1" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges.....	22.37	5.24
12 36 53 00-0099	SF		1-1/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges.....	22.37	5.24

**12 Furnishings**

**12 30 Casework**

**12 36 Countertops**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 36 53	00-0100	LF	4" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop.....	11.89	3.14
12 36 53	00-0101	LF	6" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop.....	11.89	3.14

**12 36 61 Simulated Stone Countertops (12 36)**

**12 36 61 16 Solid Surfacing Countertops (12 36 61)**

**12 36 61 16-0001 Solid Surface Countertops (12 36 61 16)**

**12 36 61 16-0002 Solid Surface Countertops (12 36 61 16-0001)**

Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 61 16-0003	SF	1/4" Thick, Solid Color, Solid Surface Backsplash .....	37.46	6.99
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Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.

For Up To 50, Add 12.22

For >50 To 100, Add 7.10

12 36 61 16-0004	SF	1/2" Thick, Solid Color, Solid Surface Countertop Without Backsplash .....	60.45	10.48
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Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).

For Up To 50, Add 19.38

For >50 To 100, Add 11.59

For Integral 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add 172.69

For Integral 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add 218.35

For Integral 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add 159.40

For Integral 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add 151.93

For Integral 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add 218.35

For Integral 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add 218.35

For Integral 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add 218.35

For Integral 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add 218.35

For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add 196.76

Note: Single or double bowl.

For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add 342.05

Note: Single or double bowl.

For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add 458.28

Note: Single or double bowl.

For >3 SF Integral Single Basin Kitchen Sink, Add 496.47

Note: Single or double bowl.

For >3 SF Integral Double Basin Kitchen Sink, Add 496.47

12 36 61 16-0005	SF	1/2" Thick, Solid Color, Solid Surface Countertop With 4" Backsplash .....	66.74	10.48
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For Up To 50, Add 21.26

For >50 To 100, Add 12.85

For Integral 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add 172.69

For Integral 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add 218.35

For Integral 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add 159.40

For Integral 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add 151.93

For Integral 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add 218.35

For Integral 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add 218.35

For Integral 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add 218.35

For Integral 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add 218.35

For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add 196.76

Note: Single or double bowl.

For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add 342.05

Note: Single or double bowl.

For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add 458.28

Note: Single or double bowl.

For >3 SF Integral Single Basin Kitchen Sink, Add 496.47

Note: Single or double bowl.

For >3 SF Integral Double Basin Kitchen Sink, Add 496.47

12 36 61 16-0006	LF	1/2" Thick, Solid Color, Solid Surface End Splash For Solid Surface Countertops .....	21.32	4.45
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12 36 61 16-0007	EA	Cutout For Undercounter Sink In Solid Surface Countertop.....	157.23	
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Note: Not including integral seamed sinks

**12 36 61 16-0008 Integral Seamless Solid Surface Lavatory (12 36 61 16-0001)**

Note: Includes sink cutout and hard seam of lavatory to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.

12 36 61 16-0009	EA	16-1/2" x 13-1/8" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 810).....	208.33	
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12 36 61 16-0010	EA	20-7/16" x 14-7/16" x 6-1/8" Depth, Integral Solid Surface Lavatory Sink (Corian 815).....	253.99	
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12 36 61 16-0011	EA	17-3/8" x 10-13/16" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 816).....	195.04	
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12 36 61 16-0012	EA	14-3/4" x 10-1/2" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 820).....	187.57	
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12 36 61 16-0013	EA	18-7/8" x 13-3/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 830).....	253.99	
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12 36 61 16-0014	EA	20" x 13-3/8" x 6-1/4" Depth, Integral Solid Surface Lavatory Sink (Corian 831).....	253.99	
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12 36 61 16-0015	EA	19-3/4" x 14-1/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 835).....	253.99	
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12 36 61 16-0016	EA	17" x 14" x 6" Depth, Integral Solid Surface Lavatory Sink (Corian 837).....	253.99	
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**12 36 61 16-0017 Integral Seamless Solid Surface Kitchen Sink (12 36 61 16-0001)**

Note: Includes sink cutout and hard seam of sink to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.

12 36 61 16-0018	EA	Up To 1.5 SF, Single Basin, Integral Solid Surface Kitchen Sink.....	280.62	
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12 36 61 16-0019	EA	>1.5 To 2.25 SF, Single Basin, Integral Solid Surface Kitchen Sink .....	425.91	
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12 36 61 16-0020	EA	>2.25 To 3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink .....	542.14	
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12 36 61 16-0021	EA	>3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink.....	580.33	
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12 36 61 16-0022	EA	>3.0 SF, Double Basin, Integral Solid Surface Kitchen Sink .....	580.33	
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**12 36 61 19 Quartz Agglomerate Countertops (12 36 61)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 36 61 19-0001			<b>Quartz Agglomerate Countertops</b> <small>(12 36 61 19)</small>		
			Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.		
12 36 61 19-0002	SF		3/4" Thick, Quartz Agglomerate Countertop Without Backsplash .....	89.85	23.06
12 36 61 19-0003	SF		1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash .....	107.10	23.06
12 36 61 19-0004	SF		3/4" Thick, Quartz Agglomerate Countertop With Backsplash .....	100.82	26.84
12 36 61 19-0005	SF		1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash .....	118.05	26.84
12 36 61 19-0006	LF		Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops .....	16.31	4.45
12 36 61 19-0007	EA		Cutout For Sink And/Or Faucet In Quartz Agglomerate Countertop .....	157.23	

12 40 Furnishings and Accessories (12)

12 41 Office Accessories (12 40)

**12 41 11 Office Accessories** (12 41)

**12 41 11 00-0001 Wall Mounted Office Accessories** (12 41 11)

12 41 11 00-0002	EA		Manual Pencil Sharpener, Wall Mounted (Bostitch® BOSMPS1BLK) .....	19.89	3.88
12 41 11 00-0003	EA		Wall Mounted Flag .....	15.24	3.88

**12 41 11 00-0004 Desk Edge Mounted Clamps** (12 41 11)

12 41 11 00-0005	EA		Aluminum Desk Edge Clamp Mount Bracket For Plexiglass And Acrylic Panels .....	25.75	
			Note: Adjustable hand screw mounting to fit 3/4" to 2" desk and table tops, clamp adjusts to support 1/8" to 3/8" thick panels.		
			For >10 To 50, Deduct	-6.25	
			For >50, Deduct	-10.00	

12 48 Rugs and Mats (12 40)

**12 48 13 Entrance Floor Mats and Frames** (12 48)

**12 48 13 13 Entrance Floor Mats** (12 48 13)

**12 48 13 13-0001 Floor Mats** (12 48 13 13)

12 48 13 13-0002	SF		3/8" Thick Solid Recessable Floor Mat .....	12.49	2.29
			For Colors, Add	1.58	
12 48 13 13-0003	SF		1/2" Thick Solid Recessable Floor Mat .....	14.92	2.29
			For Colors, Add	2.07	
12 48 13 13-0004	SF		3/8" Thick Perforated Recessable Floor Mat .....	13.10	2.29
			For Colors, Add	1.71	
12 48 13 13-0005	SF		1/2" Thick Perforated Recessable Floor Mat .....	15.53	2.29
			For Colors, Add	2.19	

**12 48 13 13-0006 Link Mats** (12 48 13 13)

			Note: Includes nosing.		
12 48 13 13-0007	SF		3/8" Link Mats, Aluminum .....	29.93	2.29
12 48 13 13-0008	SF		Black Rubber Link Mats With Galvanized Tie Rods .....	12.94	2.29
12 48 13 13-0009	SF		3/8" Thick, Galvanized Steel Link Mats .....	15.19	2.29
12 48 13 13-0010	SF		Vinyl Link Mats, Color .....	13.85	2.29
12 48 13 13-0011	LF		Rubber Nosing .....	4.11	1.00

**12 48 13 13-0012 Duckboard** (12 48 13 13)

12 48 13 13-0013	SF		Aluminum Slats .....	43.07	2.73
12 48 13 13-0014	SF		Hardwood Strips On Rubber Base .....	13.53	2.73
12 48 13 13-0015	SF		Assembled With Brass Rods And Vinyl Spacers .....	14.72	2.73
12 48 13 13-0016	SF		Tire Fabric, 3/4" Thick .....	17.47	2.73
12 48 13 13-0017	SF		Vinyl, 36" Wide, Hollow Top And Bottom .....	14.92	2.73
12 48 13 13-0018	SF		Vinyl, 36" Wide, Solid Top And Bottom .....	22.40	2.73

**12 48 13 16 Entrance Floor Mat Frames** (12 48 13)

**12 48 13 16-0001 Recessed Frames** (12 48 13 16)

12 48 13 16-0002	LF		Aluminum Recessed Embedded Frame .....	20.33	4.19
12 48 13 16-0003	LF		Bronze Recessed Embedded Frame .....	18.73	4.19

12 50 Furniture (12)

12 56 Institutional Furniture (12 50)

**12 56 53 Laboratory Furniture** (12 56)

**12 56 53 00-0001 Steel Laboratory Furniture** (12 56 53)

**12 56 53 00-0002 Modular Steel Laboratory Cabinets** (12 56 53 00-0001)

**12 56 53 00-0003 29-3/8" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets** (12 56 53 00-0002)

12 56 53 00-0004	EA		15" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	806.62	90.60
12 56 53 00-0005	EA		18" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	805.07	90.60
12 56 53 00-0006	EA		21" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	880.29	98.89

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0007	EA		24" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	838.60	98.89
12 56 53 00-0008	EA		30" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	993.86	111.58
12 56 53 00-0009	EA		36" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,025.71	115.25
12 56 53 00-0010	EA		42" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,131.26	127.10
12 56 53 00-0011	EA		48" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,175.10	132.03
12 56 53 00-0012	EA		15" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,141.23	128.15
12 56 53 00-0013	EA		18" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,145.22	128.67
12 56 53 00-0014	EA		21" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,210.94	136.02
12 56 53 00-0015	EA		24" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,185.01	133.08
12 56 53 00-0016	EA		30" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,583.44	177.85
12 56 53 00-0017	EA		36" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,612.98	181.21
12 56 53 00-0018	EA		42" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,780.54	199.99
12 56 53 00-0019	EA		48" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,808.68	203.13
12 56 53 00-0020	EA		18" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet .....	1,657.25	186.14
12 56 53 00-0021	EA		21" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet .....	1,844.19	207.22
12 56 53 00-0022	EA		24" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet .....	1,791.68	207.22
12 56 53 00-0023	EA		15" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	1,674.34	187.72
12 56 53 00-0024	EA		18" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	1,660.45	187.72
12 56 53 00-0025	EA		21" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	1,792.52	201.35
12 56 53 00-0026	EA		24" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	1,780.22	201.03
12 56 53 00-0027	EA		30" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	1,947.26	218.54
12 56 53 00-0028	EA		36" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	2,005.56	225.26
12 56 53 00-0029	EA		42" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	2,194.60	246.44
12 56 53 00-0030	EA		48" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	2,246.14	252.31
12 56 53 00-0031	EA		15" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	1,874.20	210.47
12 56 53 00-0032	EA		18" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	1,762.66	197.99
12 56 53 00-0033	EA		21" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	1,991.68	223.68
12 56 53 00-0034	EA		24" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	1,894.09	212.78
12 56 53 00-0035	EA		15" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,125.29	238.68
12 56 53 00-0036	EA		18" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,125.29	238.68
12 56 53 00-0037	EA		21" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,325.99	261.23
12 56 53 00-0038	EA		24" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,242.66	251.90
12 56 53 00-0039	EA		30" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,605.13	292.59
12 56 53 00-0040	EA		36" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,614.39	292.69
12 56 53 00-0041	EA		42" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,840.19	319.01
12 56 53 00-0042	EA		48" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,868.08	322.15
12 56 53 00-0043	EA		24" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	3,188.71	358.13
12 56 53 00-0044	EA		30" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	3,288.34	369.35
12 56 53 00-0045	EA		36" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	3,127.10	369.14
12 56 53 00-0046	EA		42" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	3,485.34	391.47
12 56 53 00-0047	EA		48" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	3,405.75	382.56
12 56 53 00-0048	EA		15" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	1,513.65	170.00
12 56 53 00-0049	EA		18" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	1,475.04	170.41
12 56 53 00-0050	EA		21" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	1,579.38	177.33
12 56 53 00-0051	EA		24" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	1,540.77	177.33
12 56 53 00-0052	EA		32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet .....	2,121.08	238.26
12 56 53 00-0053	EA		32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet.....	1,834.31	205.96

## 12 56 53 00-0054 35-1/4" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets (12 56 53

12 56 53 00-0055	EA		15" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	844.47	94.91
12 56 53 00-0056	EA		18" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	839.83	94.91
12 56 53 00-0057	EA		21" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	892.29	100.26
12 56 53 00-0058	EA		24" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	862.41	97.00
12 56 53 00-0059	EA		30" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,021.73	114.83
12 56 53 00-0060	EA		36" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,071.53	120.07
12 56 53 00-0061	EA		42" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,143.22	128.46
12 56 53 00-0062	EA		48" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,187.04	133.71
12 56 53 00-0063	EA		15" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,197.01	134.23
12 56 53 00-0064	EA		18" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,197.01	134.23
12 56 53 00-0065	EA		21" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,270.68	142.63
12 56 53 00-0066	EA		24" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,256.64	144.72
12 56 53 00-0067	EA		30" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,659.06	186.14
12 56 53 00-0068	EA		36" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,702.86	190.86
12 56 53 00-0069	EA		42" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,830.38	205.55
12 56 53 00-0070	EA		48" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,872.18	210.26
12 56 53 00-0071	EA		18" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet .....	1,844.32	207.12
12 56 53 00-0072	EA		24" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet .....	1,896.11	212.88
12 56 53 00-0073	EA		18" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	2,023.37	227.04
12 56 53 00-0074	EA		21" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	2,186.59	245.39
12 56 53 00-0075	EA		24" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	2,172.96	245.39
12 56 53 00-0076	EA		15" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	1,989.68	222.84
12 56 53 00-0077	EA		18" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	1,130.30	223.89
12 56 53 00-0078	EA		21" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	2,091.25	234.90
12 56 53 00-0079	EA		24" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	2,058.82	234.90
12 56 53 00-0080	EA		30" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	2,304.35	258.82
12 56 53 00-0081	EA		36" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	2,396.01	269.09
12 56 53 00-0082	EA		42" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	2,544.78	285.88
12 56 53 00-0083	EA		48" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	2,605.13	292.59
12 56 53 00-0084	EA		15" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,121.34	238.06
12 56 53 00-0085	EA		18" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,266.47	254.30
12 56 53 00-0086	EA		21" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,280.26	255.88
12 56 53 00-0087	EA		24" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,368.06	265.84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 56 53 00-0088	EA	30"	Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,734.58	307.26
12 56 53 00-0089	EA	36"	Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,828.15	317.75
12 56 53 00-0090	EA	42"	Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,969.46	333.48
12 56 53 00-0091	EA	48"	Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,971.69	333.48
12 56 53 00-0092	EA	24"	Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	3,322.16	373.34
12 56 53 00-0093	EA	30"	Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	3,349.78	375.96
12 56 53 00-0094	EA	36"	Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	3,418.15	383.82
12 56 53 00-0095	EA	42"	Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	3,604.58	405.32
12 56 53 00-0096	EA	48"	Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	3,616.10	406.37
12 56 53 00-0097	EA	24"	Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet .....	3,668.76	412.03
12 56 53 00-0098	EA	30"	Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet .....	3,841.91	431.53
12 56 53 00-0099	EA	36"	Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet .....	3,915.55	439.81
12 56 53 00-0100	EA	42"	Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet .....	4,015.14	450.94
12 56 53 00-0101	EA	48"	Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet .....	4,124.94	463.31
12 56 53 00-0102	EA	15"	Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	1,545.62	173.56
12 56 53 00-0103	EA	18"	Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	1,573.32	176.71
12 56 53 00-0104	EA	21"	Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	1,579.38	177.23
12 56 53 00-0105	EA	24"	Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	1,615.04	181.42
12 56 53 00-0106	EA	30"	Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	2,125.29	238.68
12 56 53 00-0107	EA	36"	Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	2,189.05	245.81
12 56 53 00-0108	EA	42"	Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	2,344.08	263.32
12 56 53 00-0109	EA	48"	Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	2,377.83	266.89
12 56 53 00-0110	EA	32-7/8"	Wide x 35-1/4" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet .....	2,205.12	247.49
12 56 53 00-0111	EA	32-7/8"	Wide x 35-1/4" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet .....	2,045.93	229.66
12 56 53 00-0112	EA	15"	Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	1,085.45	121.96
12 56 53 00-0113	EA	18"	Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	1,099.41	123.43
12 56 53 00-0114	EA	21"	Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	1,145.22	128.46
12 56 53 00-0115	EA	24"	Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	1,149.19	128.99
12 56 53 00-0116	EA	30"	Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	1,503.75	168.94
12 56 53 00-0117	EA	36"	Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	1,537.60	172.72
12 56 53 00-0118	EA	42"	Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	1,639.12	184.05
12 56 53 00-0119	EA	48"	Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	1,645.10	184.77
12 56 53 00-0120	EA	52"	Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	1,900.03	213.40
12 56 53 00-0121	EA	58"	Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	2,091.25	234.90
12 56 53 00-0122	EA	60"	Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	2,186.86	245.60

12 56 53 00-0123

25-3/16" High x 16" Deep, Modular Steel Laboratory Wall Cabinets (12 56 53 00-0002)

12 56 53 00-0124	EA	15"	Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	802.65	90.19
12 56 53 00-0125	EA	18"	Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	828.52	93.02
12 56 53 00-0126	EA	21"	Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	834.51	93.76
12 56 53 00-0127	EA	24"	Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	856.42	96.16
12 56 53 00-0128	EA	30"	Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	896.26	100.68
12 56 53 00-0129	EA	36"	Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	916.17	102.87
12 56 53 00-0130	EA	42"	Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	997.82	112.10
12 56 53 00-0131	EA	48"	Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	1,009.78	113.36
12 56 53 00-0132	EA	15"	Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,187.04	133.29
12 56 53 00-0133	EA	18"	Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,216.91	136.64
12 56 53 00-0134	EA	21"	Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,244.80	139.78
12 56 53 00-0135	EA	24"	Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,270.68	142.73
12 56 53 00-0136	EA	30"	Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,545.58	173.56
12 56 53 00-0137	EA	36"	Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,565.48	175.87
12 56 53 00-0138	EA	42"	Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,706.85	191.70
12 56 53 00-0139	EA	48"	Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,712.84	192.43
12 56 53 00-0140	EA	15"	Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,388.19	155.94
12 56 53 00-0141	EA	18"	Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,434.01	161.08
12 56 53 00-0142	EA	21"	Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,457.89	163.70
12 56 53 00-0143	EA	24"	Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,483.78	166.63
12 56 53 00-0144	EA	30"	Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	2,079.31	233.54
12 56 53 00-0145	EA	36"	Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	2,121.17	238.26
12 56 53 00-0146	EA	42"	Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	2,244.59	252.11
12 56 53 00-0147	EA	48"	Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	2,284.45	256.61
12 56 53 00-0148	EA	25-23/32"	Wide x 25-3/16" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,900.03	213.40
12 56 53 00-0149	EA	28-23/32"	Wide x 25-3/16" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	2,103.23	236.27
12 56 53 00-0150	EA	36"	Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet .....	1,620.10	175.87
12 56 53 00-0151	EA	42"	Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet .....	1,766.41	191.70
12 56 53 00-0152	EA	48"	Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet .....	1,772.60	192.33
12 56 53 00-0153	EA	30"	Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet .....	2,151.86	233.54
12 56 53 00-0154	EA	36"	Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet .....	2,195.18	238.26
12 56 53 00-0155	EA	42"	Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet .....	2,322.91	252.11

12 56 53 00-0156

31" High x 16" Deep, Modular Steel Laboratory Wall Cabinets (12 56 53 00-0002)

12 56 53 00-0157	EA	15"	Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	876.34	98.57
12 56 53 00-0158	EA	18"	Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	902.23	101.20
12 56 53 00-0159	EA	21"	Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	906.21	101.73
12 56 53 00-0160	EA	24"	Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	916.17	102.77
12 56 53 00-0161	EA	30"	Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	973.94	109.58
12 56 53 00-0162	EA	36"	Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	1,001.82	112.21
12 56 53 00-0163	EA	42"	Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	1,189.03	133.71
12 56 53 00-0164	EA	48"	Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	1,214.93	136.33
12 56 53 00-0165	EA	15"	Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,236.84	138.95
12 56 53 00-0166	EA	18"	Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,268.68	142.63

## 12 Furnishings

## 12 50 Furniture

## 12 56 Institutional Furniture

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

12 56 53 00-0167	EA	21" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,290.62	145.24
12 56 53 00-0168	EA	24" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,352.36	151.53
12 56 53 00-0169	EA	30" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,671.05	187.72
12 56 53 00-0170	EA	36" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,694.92	190.34
12 56 53 00-0171	EA	42" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,884.10	211.83
12 56 53 00-0172	EA	48" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,921.94	216.03
12 56 53 00-0173	EA	15" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,471.83	165.17
12 56 53 00-0174	EA	18" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,515.69	169.89
12 56 53 00-0175	EA	21" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,537.56	172.50
12 56 53 00-0176	EA	24" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,577.42	177.23
12 56 53 00-0177	EA	30" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	2,147.03	240.67
12 56 53 00-0178	EA	36" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	2,208.77	248.02
12 56 53 00-0179	EA	42" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	2,573.20	288.91
12 56 53 00-0180	EA	48" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	2,437.33	256.40
12 56 53 00-0181	EA	25-23/32" Wide x 31" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	2,103.15	236.47
12 56 53 00-0182	EA	25-23/32" Wide x 31" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	2,503.53	281.57
12 56 53 00-0183	EA	30" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet .....	1,729.35	187.72
12 56 53 00-0184	EA	36" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet .....	1,754.06	190.34
12 56 53 00-0185	EA	42" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet .....	1,949.84	211.62
12 56 53 00-0186	EA	36" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet .....	2,285.84	248.12

12 56 53 00-0187 Wood Laboratory Furniture (12 56 53)

Note: Laboratory Grade with chemical resistant finish, premium quality mill-made modular units, prefinished with solid 3/4" hardwood face frames, solid 3/4" hardwood door frames and drawer fronts, hardwood veneer on raised door panels (front and back), glued mortise, dowel, and dado joint construction, full backs, mitered corners and solid wood drawer bodies with steel guides and ball bearings. Includes self-closing hinges, door and drawer pulls, mounting hardware and adjustable shelves.

12 56 53 00-0188 Wood Laboratory Cabinets (12 56 53 00-0187)12 56 53 00-0189 28-1/2" High x 21-1/2" Deep, Wood Laboratory Base Cabinets (12 56 53 00-0188)

12 56 53 00-0190	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet .....	758.82	82.85
12 56 53 00-0191	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet .....	783.44	85.47
12 56 53 00-0192	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet .....	808.04	88.09
12 56 53 00-0193	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet .....	832.64	91.24
12 56 53 00-0194	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet .....	924.97	101.20
12 56 53 00-0195	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet .....	986.50	107.49
12 56 53 00-0196	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet .....	1,031.61	112.21
12 56 53 00-0197	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet .....	1,087.00	118.50
12 56 53 00-0198	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet .....	922.92	100.68
12 56 53 00-0199	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet .....	955.73	104.34
12 56 53 00-0200	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet .....	976.24	106.44
12 56 53 00-0201	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet .....	1,002.87	109.58
12 56 53 00-0202	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet .....	1,290.07	140.52
12 56 53 00-0203	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet .....	1,369.80	149.44
12 56 53 00-0204	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet .....	1,415.12	154.16
12 56 53 00-0205	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet .....	1,470.70	160.45
12 56 53 00-0206	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet .....	1,355.50	147.86
12 56 53 00-0207	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet .....	1,403.01	153.11
12 56 53 00-0208	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet .....	1,439.77	157.30
12 56 53 00-0209	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet .....	1,489.03	162.02
12 56 53 00-0210	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet .....	1,378.22	149.96
12 56 53 00-0211	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet .....	1,433.60	156.78
12 56 53 00-0212	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet .....	1,474.62	160.97
12 56 53 00-0213	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet .....	1,521.80	166.22
12 56 53 00-0214	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet .....	2,155.58	234.90
12 56 53 00-0215	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet .....	2,284.66	249.07
12 56 53 00-0216	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet .....	2,331.79	254.30
12 56 53 00-0217	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet .....	2,424.16	264.27
12 56 53 00-0218	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet .....	2,469.32	268.99
12 56 53 00-0219	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet .....	2,584.13	282.10
12 56 53 00-0220	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet .....	2,659.92	290.49
12 56 53 00-0221	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet .....	2,752.28	300.45
12 56 53 00-0222	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet .....	1,021.34	111.69
12 56 53 00-0223	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet .....	1,058.26	115.88
12 56 53 00-0224	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet .....	1,080.83	117.97
12 56 53 00-0225	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet .....	1,111.59	121.13
12 56 53 00-0226	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base .....	1,648.92	179.85
12 56 53 00-0227	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base .....	1,724.82	188.14
12 56 53 00-0228	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base .....	1,774.02	193.48
12 56 53 00-0229	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base .....	1,837.64	200.40
12 56 53 00-0230	EA	35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner, Wood Laboratory Base Cabinet .....	2,153.45	234.90
12 56 53 00-0231	EA	35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner With Lazy Susan, Wood Laboratory Base Cabinet .....	2,387.20	260.60
12 56 53 00-0232	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet .....	840.87	91.76
12 56 53 00-0233	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet .....	867.53	94.59
12 56 53 00-0234	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet .....	883.93	96.38
12 56 53 00-0235	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet .....	904.45	98.68
12 56 53 00-0236	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet .....	1,158.76	126.37
12 56 53 00-0237	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet .....	1,218.22	132.86
12 56 53 00-0238	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet .....	1,253.10	136.64
12 56 53 00-0239	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet .....	1,290.01	140.73

12 56 53 00-0240 35-3/4" High x 22" Deep, Wood Laboratory Base Cabinets (12 56 53 00-0188)

12 56 53 00-0241	EA	24" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet .....	1,329.47	144.99
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0242	EA		30" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet .....	1,721.83	187.47
12 56 53 00-0243	EA		36" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet .....	1,733.98	189.10
12 56 53 00-0244	EA		48" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet .....	1,999.88	218.11
12 56 53 00-0245	EA		24" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet .....	2,179.43	237.68
12 56 53 00-0246	EA		30" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet .....	2,445.30	266.69
12 56 53 00-0247	EA		36" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet .....	2,615.77	285.27
12 56 53 00-0248	EA		48" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet .....	3,097.53	337.82
12 56 53 00-0249	EA		24" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet .....	1,602.18	174.29
12 56 53 00-0250	EA		30" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet .....	2,206.67	240.65
12 56 53 00-0251	EA		36" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet .....	2,295.31	250.33
12 56 53 00-0252	EA		48" Wide Base Cabinet With Combination Door/Drawer .....	2,565.76	279.82
<b>12 56 53 00-0253</b>			<b>30-5/8" High x 13" Deep, Wood Laboratory Wall Cabinets <small>(12 56 53 00-0188)</small></b>		
12 56 53 00-0254	EA		15" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet .....	902.40	98.57
			<i>For 36" Height Cabinet, Add</i>	130.53	
12 56 53 00-0255	EA		18" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet .....	937.27	101.73
			<i>For 36" Height Cabinet, Add</i>	135.57	
12 56 53 00-0256	EA		21" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet .....	961.87	104.87
			<i>For 36" Height Cabinet, Add</i>	139.13	
12 56 53 00-0257	EA		24" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet .....	877.78	95.43
			<i>For 36" Height Cabinet, Add</i>	126.97	
12 56 53 00-0258	EA		30" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet .....	1,009.06	110.11
			<i>For 36" Height Cabinet, Add</i>	145.95	
12 56 53 00-0259	EA		36" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet .....	1,093.15	119.02
			<i>For 36" Height Cabinet, Add</i>	158.12	
12 56 53 00-0260	EA		42" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet .....	1,142.35	124.79
			<i>For 36" Height Cabinet, Add</i>	165.23	
12 56 53 00-0261	EA		48" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet .....	1,210.05	131.61
			<i>For 36" Height Cabinet, Add</i>	175.02	
12 56 53 00-0262	EA		15" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet .....	990.59	108.01
			<i>For 36" Height Cabinet, Add</i>	143.28	
12 56 53 00-0263	EA		18" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet .....	1,035.72	113.26
			<i>For 36" Height Cabinet, Add</i>	149.81	
12 56 53 00-0264	EA		21" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet .....	2,451.00	1,185.02
			<i>For 36" Height Cabinet, Add</i>	15.69	
12 56 53 00-0265	EA		24" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet .....	1,113.64	121.13
			<i>For 36" Height Cabinet, Add</i>	161.08	
12 56 53 00-0266	EA		30" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet .....	1,456.17	158.87
			<i>For 36" Height Cabinet, Add</i>	210.62	
12 56 53 00-0267	EA		36" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet .....	1,568.96	170.93
			<i>For 36" Height Cabinet, Add</i>	226.94	
12 56 53 00-0268	EA		42" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet .....	1,640.73	179.32
			<i>For 36" Height Cabinet, Add</i>	237.32	
12 56 53 00-0269	EA		48" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet .....	1,726.85	188.24
			<i>For 36" Height Cabinet, Add</i>	249.78	
12 56 53 00-0270	EA		15" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	1,109.54	121.13
			<i>For 36" Height Cabinet, Add</i>	160.49	
12 56 53 00-0271	EA		18" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	1,152.61	125.84
			<i>For 36" Height Cabinet, Add</i>	166.72	
12 56 53 00-0272	EA		21" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	1,185.42	128.99
			<i>For 36" Height Cabinet, Add</i>	171.47	
12 56 53 00-0273	EA		24" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	1,230.55	134.23
			<i>For 36" Height Cabinet, Add</i>	177.99	
12 56 53 00-0274	EA		30" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	1,696.10	185.10
			<i>For 36" Height Cabinet, Add</i>	245.33	
12 56 53 00-0275	EA		36" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	1,804.81	196.63
			<i>For 36" Height Cabinet, Add</i>	261.05	
12 56 53 00-0276	EA		42" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	1,853.98	202.39
			<i>For 36" Height Cabinet, Add</i>	268.17	
12 56 53 00-0277	EA		48" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	1,966.80	214.45
			<i>For 36" Height Cabinet, Add</i>	284.49	
12 56 53 00-0278	EA		30" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet .....	1,517.72	165.17
			<i>For 36" Height Cabinet, Add</i>	219.52	
12 56 53 00-0279	EA		36" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet .....	1,638.45	178.80
			<i>For 36" Height Cabinet, Add</i>	237.03	
12 56 53 00-0280	EA		42" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet .....	1,749.32	190.86
			<i>For 36" Height Cabinet, Add</i>	253.04	
12 56 53 00-0281	EA		48" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet .....	1,872.38	204.49
			<i>For 36" Height Cabinet, Add</i>	270.84	
12 56 53 00-0282	EA		30" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet .....	1,833.75	199.77
			<i>For 36" Height Cabinet, Add</i>	265.21	
12 56 53 00-0283	EA		36" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet .....	1,948.54	212.36
			<i>For 36" Height Cabinet, Add</i>	281.82	
12 56 53 00-0284	EA		42" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet .....	2,009.87	219.18
			<i>For 36" Height Cabinet, Add</i>	290.72	
12 56 53 00-0285	EA		48" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet .....	2,120.60	231.24
			<i>For 36" Height Cabinet, Add</i>	306.74	
12 56 53 00-0286	EA		23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet .....	2,235.70	243.82
			<i>For 36" Height Cabinet, Add</i>	323.35	
12 56 53 00-0287	EA		23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet .....	2,327.69	254.30
			<i>For 36" Height Cabinet, Add</i>	336.70	
<b>12 56 53 00-0288</b>			<b>30-5/8" High x 16" Deep, Wood Laboratory Wall Cabinets <small>(12 56 53 00-0188)</small></b>		
12 56 53 00-0289	EA		30" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet .....	1,115.70	121.65
			<i>For 36" Height Cabinet, Add</i>	161.38	

**12 Furnishings****12 50 Furniture****12 56 Institutional Furniture**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0290	EA		36" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,222.35 176.80	133.19
12 56 53 00-0291	EA		42" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,281.82 185.41	140.00
12 56 53 00-0292	EA		48" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,361.82 196.98	147.86
12 56 53 00-0293	EA		15" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,037.76 150.11	113.26
12 56 53 00-0294	EA		18" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,093.15 158.12	119.55
12 56 53 00-0295	EA		21" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,125.91 162.86	123.22
12 56 53 00-0296	EA		24" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,173.13 169.69	127.41
12 56 53 00-0297	EA		30" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,540.28 222.79	167.79
12 56 53 00-0298	EA		36" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,671.50 241.77	181.94
12 56 53 00-0299	EA		42" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,745.33 252.45	190.86
12 56 53 00-0300	EA		48" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,843.74 266.69	200.82
12 56 53 00-0301	EA		15" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,160.81 167.91	126.89
12 56 53 00-0302	EA		18" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,195.70 172.95	130.56
12 56 53 00-0303	EA		21" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,234.62 178.58	134.23
12 56 53 00-0304	EA		24" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,298.22 187.78	141.57
12 56 53 00-0305	EA		30" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,769.95 256.01	192.95
12 56 53 00-0306	EA		36" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,909.42 276.18	208.17
12 56 53 00-0307	EA		42" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,968.83 284.79	214.98
12 56 53 00-0308	EA		48" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,096.02 303.18	228.62
12 56 53 00-0309	EA		30" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,589.52 229.91	173.03
12 56 53 00-0310	EA		36" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,757.40 254.23	191.91
12 56 53 00-0311	EA		42" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,845.70 266.99	201.35
12 56 53 00-0312	EA		48" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,973.09 285.38	215.51
12 56 53 00-0313	EA		30" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,915.83 277.07	208.69
12 56 53 00-0314	EA		36" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,036.74 294.58	221.80
12 56 53 00-0315	EA		42" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,118.58 306.44	231.24
12 56 53 00-0316	EA		48" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,233.37 323.05	243.29
12 56 53 00-0317	EA		26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,340.27 338.48	255.35
12 56 53 00-0318	EA		26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,415.82 349.46	263.74
12 56 53 00-0319			<b>Wood Laboratory Pegboard</b> <small>(12 56 53 00-0187)</small>		
12 56 53 00-0320	EA		3/4" Thick x 32" Long x 29" High Laboratory Pegboard ..... Note: Includes 53 polypropylene pegs, each 1/2" diameter x 4-1/2" long and ribbon sealing putty for wall mounting	1,505.60	168.89
12 56 53 00-0321			<b>Plastic Laminate Laboratory Furniture</b> <small>(12 56 53)</small>		
12 56 53 00-0322			<b>Plastic Laminate Laboratory Cabinets</b> <small>(12 56 53 00-0321)</small>		
12 56 53 00-0323			<b>28-1/2" High x 22.3" Deep, Plastic Laminate Laboratory Base Cabinet</b> <small>(12 56 53 00-0322)</small>		
12 56 53 00-0324	EA		15" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet ..... <i>For 36" Height Cabinet, Add</i>	622.63 82.74	82.74
12 56 53 00-0325	EA		18" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet ..... <i>For 36" Height Cabinet, Add</i>	642.82 85.47	85.47
12 56 53 00-0326	EA		21" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet ..... <i>For 36" Height Cabinet, Add</i>	663.01 88.09	88.09
12 56 53 00-0327	EA		24" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet ..... <i>For 36" Height Cabinet, Add</i>	683.19 90.82	90.82
12 56 53 00-0328	EA		30" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet ..... <i>For 36" Height Cabinet, Add</i>	758.96 100.88	100.88
12 56 53 00-0329	EA		36" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet ..... <i>For 36" Height Cabinet, Add</i>	809.44 107.60	107.60
12 56 53 00-0330	EA		42" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet ..... <i>For 36" Height Cabinet, Add</i>	846.46 112.52	112.52
12 56 53 00-0331	EA		48" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet ..... <i>For 36" Height Cabinet, Add</i>	891.91 118.61	118.61
12 56 53 00-0332	EA		15" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet..... <i>For 36" Height Cabinet, Add</i>	757.27 100.68	100.68
12 56 53 00-0333	EA		18" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet..... <i>For 36" Height Cabinet, Add</i>	784.20 104.24	104.24
12 56 53 00-0334	EA		21" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet..... <i>For 36" Height Cabinet, Add</i>	801.02 106.44	106.44
12 56 53 00-0335	EA		24" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet..... <i>For 36" Height Cabinet, Add</i>	822.87 109.38	109.38
12 56 53 00-0336	EA		30" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,058.54 140.73	140.73
12 56 53 00-0337	EA		36" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,123.91 149.33	149.33
12 56 53 00-0338	EA		42" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,161.14 154.36	154.36
12 56 53 00-0339	EA		48" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,206.77 160.45	160.45
12 56 53 00-0340	EA		15" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,112.19 147.76	147.76

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0341	EA	18"	18" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,151.23	153.11
12 56 53 00-0342	EA	21"	21" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,181.36	157.09
12 56 53 00-0343	EA	24"	24" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,221.79	162.44
12 56 53 00-0344	EA	15"	15" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,130.86	150.28
12 56 53 00-0345	EA	18"	18" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,176.30	156.36
12 56 53 00-0346	EA	21"	21" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,209.95	160.87
12 56 53 00-0347	EA	24"	24" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,248.67	166.01
12 56 53 00-0348	EA	15"	15" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet .....	895.52	100.68
12 56 53 00-0349	EA	18"	18" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet .....	928.18	104.34
12 56 53 00-0350	EA	21"	21" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet .....	947.98	106.44
12 56 53 00-0351	EA	24"	24" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet .....	973.75	109.58
12 56 53 00-0352	EA	30"	30" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,431.81	190.34
12 56 53 00-0353	EA	36"	36" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,538.12	204.49
12 56 53 00-0354	EA	42"	42" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,576.27	209.74
12 56 53 00-0355	EA	48"	48" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,652.34	219.70
12 56 53 00-0356	EA	15"	15" Wide Cabinet, 1 Drawer Over Cupboard .....	838.02	111.37
12 56 53 00-0357	EA	18"	18" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinets .....	868.32	115.46
12 56 53 00-0358	EA	21"	21" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet .....	886.84	117.87
12 56 53 00-0359	EA	24"	24" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet .....	912.08	121.23
12 56 53 00-0360	EA	30"	30" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet .....	1,352.97	179.85
12 56 53 00-0361	EA	36"	36" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet .....	1,415.25	188.14
12 56 53 00-0362	EA	42"	42" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet .....	1,455.62	193.48
12 56 53 00-0363	EA	48"	48" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet .....	1,507.82	200.40
12 56 53 00-0364	EA	22.3"	22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner, Plastic Laminate Laboratory Base Cabinet .....	1,767.04	234.90
12 56 53 00-0365	EA	22.3"	22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner With Lazy Susan, Plastic Laminate Laboratory Base Cabinet .....	1,958.74	260.39
12 56 53 00-0366	EA	15"	15" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet .....	689.95	91.76
12 56 53 00-0367	EA	18"	18" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet .....	711.83	94.59
12 56 53 00-0368	EA	21"	21" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet .....	725.28	96.38
12 56 53 00-0369	EA	24"	24" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet .....	742.11	98.68
12 56 53 00-0370	EA	30"	30" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet .....	950.79	126.37
12 56 53 00-0371	EA	36"	36" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet .....	999.57	132.86
12 56 53 00-0372	EA	42"	42" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet .....	1,028.20	136.64
12 56 53 00-0373	EA	48"	48" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet .....	1,058.48	140.73

12 56 53 00-0374 30.6" High x 12" Deep, Plastic Laminate Laboratory Wall Cabinet (12 56 53 00-0322)

12 56 53 00-0375	EA	15"	15" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet .....	740.44	98.47
			<i>For 36" Height Cabinet, Add</i>	100.56	
12 56 53 00-0376	EA	18"	18" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet .....	769.05	102.25
			<i>For 36" Height Cabinet, Add</i>	104.45	
12 56 53 00-0377	EA	21"	21" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet .....	789.24	104.87
			<i>For 36" Height Cabinet, Add</i>	107.19	
12 56 53 00-0378	EA	24"	24" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet .....	720.23	95.74
			<i>For 36" Height Cabinet, Add</i>	97.82	
12 56 53 00-0379	EA	30"	30" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet .....	827.95	110.11
			<i>For 36" Height Cabinet, Add</i>	112.45	
12 56 53 00-0380	EA	36"	36" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet .....	896.95	119.23
			<i>For 36" Height Cabinet, Add</i>	121.82	
12 56 53 00-0381	EA	42"	42" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet .....	937.32	124.58
			<i>For 36" Height Cabinet, Add</i>	127.30	
12 56 53 00-0382	EA	48"	48" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet .....	992.87	132.03
			<i>For 36" Height Cabinet, Add</i>	134.85	
12 56 53 00-0383	EA	15"	15" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	812.80	108.01
			<i>For 36" Height Cabinet, Add</i>	110.39	
12 56 53 00-0384	EA	18"	18" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	849.83	112.95
			<i>For 36" Height Cabinet, Add</i>	115.42	
12 56 53 00-0385	EA	21"	21" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	2,431.52	1,183.12
			<i>For 36" Height Cabinet, Add</i>	12.09	
12 56 53 00-0386	EA	24"	24" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	913.77	121.44
			<i>For 36" Height Cabinet, Add</i>	124.11	
12 56 53 00-0387	EA	30"	30" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	1,194.82	158.87
			<i>For 36" Height Cabinet, Add</i>	162.27	
12 56 53 00-0388	EA	36"	36" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	1,287.36	171.14
			<i>For 36" Height Cabinet, Add</i>	174.84	
12 56 53 00-0389	EA	42"	42" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	1,346.25	178.90
			<i>For 36" Height Cabinet, Add</i>	182.84	
12 56 53 00-0390	EA	48"	48" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	1,416.91	188.34
			<i>For 36" Height Cabinet, Add</i>	192.44	
12 56 53 00-0391	EA	15"	15" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	910.40	121.02
			<i>For 36" Height Cabinet, Add</i>	123.65	
12 56 53 00-0392	EA	18"	18" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	945.74	125.74
			<i>For 36" Height Cabinet, Add</i>	128.45	
12 56 53 00-0393	EA	21"	21" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	972.66	129.31
			<i>For 36" Height Cabinet, Add</i>	132.10	
12 56 53 00-0394	EA	24"	24" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	1,009.69	134.23
			<i>For 36" Height Cabinet, Add</i>	137.13	
12 56 53 00-0395	EA	30"	30" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	1,391.68	184.99
			<i>For 36" Height Cabinet, Add</i>	189.01	
12 56 53 00-0396	EA	36"	36" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	1,480.89	196.84
			<i>For 36" Height Cabinet, Add</i>	201.13	
12 56 53 00-0397	EA	42"	42" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	1,521.22	202.18
			<i>For 36" Height Cabinet, Add</i>	206.61	
12 56 53 00-0398	EA	48"	48" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	1,613.80	214.56
			<i>For 36" Height Cabinet, Add</i>	219.18	
12 56 53 00-0399	EA	30"	30" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet .....	1,245.33	165.58
			<i>For 36" Height Cabinet, Add</i>	169.13	

**12 Furnishings****12 50 Furniture****12 56 Institutional Furniture**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

12 56 53 00-0400	EA	36" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,344.34	178.59
		<i>For 36" Height Cabinet, Add</i>	182.62	
12 56 53 00-0401	EA	42" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,435.33	190.76
		<i>For 36" Height Cabinet, Add</i>	194.96	
12 56 53 00-0402	EA	48" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,536.31	204.39
		<i>For 36" Height Cabinet, Add</i>	208.67	
12 56 53 00-0403	EA	30" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,504.67	200.09
		<i>For 36" Height Cabinet, Add</i>	204.33	
12 56 53 00-0404	EA	36" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,598.85	212.57
		<i>For 36" Height Cabinet, Add</i>	217.13	
12 56 53 00-0405	EA	42" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,649.13	219.18
		<i>For 36" Height Cabinet, Add</i>	223.98	
12 56 53 00-0406	EA	48" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,739.98	231.24
		<i>For 36" Height Cabinet, Add</i>	236.32	

**12 56 53 00-0407 30.6" High x 16" Deep, Plastic Laminate Laboratory Wall Cabinet (12 56 53 00-0322)**

12 56 53 00-0408	EA	15" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	851.51	113.15
		<i>For 36" Height Cabinet, Add</i>	115.65	
12 56 53 00-0409	EA	18" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	896.95	119.23
		<i>For 36" Height Cabinet, Add</i>	121.82	
12 56 53 00-0410	EA	21" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	923.82	122.80
		<i>For 36" Height Cabinet, Add</i>	125.48	
12 56 53 00-0411	EA	24" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	962.58	127.94
		<i>For 36" Height Cabinet, Add</i>	130.73	
12 56 53 00-0412	EA	30" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,263.84	168.00
		<i>For 36" Height Cabinet, Add</i>	171.64	
12 56 53 00-0413	EA	36" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,371.50	182.37
		<i>For 36" Height Cabinet, Add</i>	186.27	
12 56 53 00-0414	EA	42" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,432.08	190.34
		<i>For 36" Height Cabinet, Add</i>	194.50	
12 56 53 00-0415	EA	48" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,512.82	201.03
		<i>For 36" Height Cabinet, Add</i>	205.47	
12 56 53 00-0416	EA	15" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	952.46	126.58
		<i>For 36" Height Cabinet, Add</i>	129.36	
12 56 53 00-0417	EA	18" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	981.10	130.46
		<i>For 36" Height Cabinet, Add</i>	133.25	
12 56 53 00-0418	EA	21" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,013.03	134.65
		<i>For 36" Height Cabinet, Add</i>	137.59	
12 56 53 00-0419	EA	24" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,065.22	141.57
		<i>For 36" Height Cabinet, Add</i>	144.68	
12 56 53 00-0420	EA	30" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,452.29	193.07
		<i>For 36" Height Cabinet, Add</i>	197.24	
12 56 53 00-0421	EA	36" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,566.72	208.27
		<i>For 36" Height Cabinet, Add</i>	212.78	
12 56 53 00-0422	EA	42" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,615.45	214.66
		<i>For 36" Height Cabinet, Add</i>	219.41	
12 56 53 00-0423	EA	48" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,719.83	228.62
		<i>For 36" Height Cabinet, Add</i>	233.58	
12 56 53 00-0424	EA	30" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,304.25	173.35
		<i>For 36" Height Cabinet, Add</i>	177.13	
12 56 53 00-0425	EA	36" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,441.94	191.59
		<i>For 36" Height Cabinet, Add</i>	195.87	
12 56 53 00-0426	EA	42" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,514.42	201.25
		<i>For 36" Height Cabinet, Add</i>	205.70	
12 56 53 00-0427	EA	48" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,618.98	215.30
		<i>For 36" Height Cabinet, Add</i>	219.87	
12 56 53 00-0428	EA	30" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,572.03	209.11
		<i>For 36" Height Cabinet, Add</i>	213.47	
12 56 53 00-0429	EA	36" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,671.22	222.22
		<i>For 36" Height Cabinet, Add</i>	226.95	
12 56 53 00-0430	EA	42" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,738.34	231.02
		<i>For 36" Height Cabinet, Add</i>	236.10	
12 56 53 00-0431	EA	48" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,832.51	243.61
		<i>For 36" Height Cabinet, Add</i>	248.90	

**12 56 89 Cafeteria Furniture (12 56)****12 56 89 00-0001 Cafeteria Table Wall Pocket Systems (12 56 89)**

12 56 89 00-0002	EA	Single Table Pocket System, Against-Wall	8,336.21	499.37
		Note: System includes single wall pocket, one table (Up to 29" H x 30" W x 14' L), and two benches (Up to 17" H x 12" W x 14' L).		
12 56 89 00-0003	EA	Double Table Pocket System, Against-Wall	13,632.58	599.25
		Note: System includes double wall pocket, two tables (Up to 29" H x 30" W x 14' L), and four benches (Up to 17" H x 12" W x 14' L).		
12 56 89 00-0004	EA	Single Table Pocket System, Recessed In Wall	8,536.90	699.12
		Note: System includes single wall pocket, one table (Up to 29" H x 30" W x 14' L), and two benches (Up to 17" H x 12" W x 14' L).		
12 56 89 00-0005	EA	Double Table Pocket System, Recessed In Wall	13,834.81	799.00
		Note: System includes double wall pocket, two tables (Up to 29" H x 30" W x 14' L), and four benches (Up to 17" H x 12" W x 14' L).		

**12 59 Systems Furniture (12 50)****12 59 13 Panel-Hung Component System Furniture (12 59)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 59 13 00-0001 Open Office Systems Furniture Components (12 59 13)

Note: Excludes electrical wire and wiring devices.

12 59 13 00-0002	EA		34H 24W Fabric Covered Panel - Component Systems Furniture.....	216.42	20.74
			For Tackable Acoustical Barrier Panel, Add	37.86	
			For Acoustical Panel, Add	41.15	
			For Enameled Surface, Deduct	-16.46	
12 59 13 00-0003	EA		34H 30W Fabric Covered Panel - Component Systems Furniture.....	240.53	23.08
			For Tackable Acoustical Barrier Panel, Add	42.08	
			For Acoustical Panel, Add	45.74	
			For Enameled Surface, Deduct	-18.30	
12 59 13 00-0004	EA		34H 36W Fabric Covered Panel - Component Systems Furniture.....	257.19	24.58
			For Tackable Acoustical Barrier Panel, Add	44.99	
			For Acoustical Panel, Add	48.91	
			For Enameled Surface, Deduct	-19.56	
12 59 13 00-0005	EA		34H 48W Fabric Covered Panel - Component Systems Furniture.....	288.18	27.60
			For Tackable Acoustical Barrier Panel, Add	50.42	
			For Acoustical Panel, Add	54.80	
			For Enameled Surface, Deduct	-21.92	
12 59 13 00-0006	EA		42H 24W Fabric Covered Panel - Component Systems Furniture.....	219.86	21.04
			For Tackable Acoustical Barrier Panel, Add	38.46	
			For Acoustical Panel, Add	41.81	
			For Enameled Surface, Deduct	-16.72	
12 59 13 00-0007	EA		42H 30W Fabric Covered Panel - Component Systems Furniture.....	248.56	23.75
			For Tackable Acoustical Barrier Panel, Add	43.49	
			For Acoustical Panel, Add	47.27	
			For Enameled Surface, Deduct	-18.91	
12 59 13 00-0008	EA		42H 36W Fabric Covered Panel - Component Systems Furniture.....	278.41	26.69
			For Tackable Acoustical Barrier Panel, Add	48.71	
			For Acoustical Panel, Add	52.94	
			For Enameled Surface, Deduct	-21.18	
12 59 13 00-0009	EA		42H 48W Fabric Covered Panel - Component Systems Furniture.....	327.23	31.29
			For Tackable Acoustical Barrier Panel, Add	57.25	
			For Acoustical Panel, Add	62.23	
			For Enameled Surface, Deduct	-24.89	
12 59 13 00-0010	EA		62H 12W Fabric Covered Panel - Component Systems Furniture.....	211.82	20.28
			For Tackable Acoustical Barrier Panel, Add	37.06	
			For Acoustical Panel, Add	40.28	
			For Enameled Surface, Deduct	-16.11	
12 59 13 00-0011	EA		62H 24W Fabric Covered Panel - Component Systems Furniture.....	260.62	24.96
			For Tackable Acoustical Barrier Panel, Add	45.60	
			For Acoustical Panel, Add	49.56	
			For Enameled Surface, Deduct	-19.82	
12 59 13 00-0012	EA		62H 36W Fabric Covered Panel - Component Systems Furniture.....	326.09	31.22
			For Tackable Acoustical Barrier Panel, Add	57.04	
			For Acoustical Panel, Add	62.01	
			For Enameled Surface, Deduct	-24.80	
12 59 13 00-0013	EA		62H 48W Fabric Covered Panel - Component Systems Furniture.....	390.35	37.33
			For Tackable Acoustical Barrier Panel, Add	68.29	
			For Acoustical Panel, Add	74.23	
			For Enameled Surface, Deduct	-29.69	
12 59 13 00-0014	EA		34" Draw Rod Panel Connector Hardware.....	11.82	1.13
12 59 13 00-0015	EA		42" Draw Rod Panel Connector Hardware.....	11.82	1.13
12 59 13 00-0016	EA		62" Draw Rod Panel Connector Hardware.....	12.61	1.20
12 59 13 00-0017	EA		34" Two-Way 90 Degree Panel Connector Hardware.....	54.36	5.20
12 59 13 00-0018	EA		42" Two-Way 90 Degree Panel Connector Hardware.....	63.04	6.04
12 59 13 00-0019	EA		62" Two-Way 90 Degree Panel Connector Hardware.....	72.49	6.94
12 59 13 00-0020	EA		34" Three-Way 90 Degree Panel Connector Hardware.....	84.31	8.07
12 59 13 00-0021	EA		42" Three-Way 90 Degree Panel Connector Hardware.....	97.71	9.35
12 59 13 00-0022	EA		62" Three-Way 90 Degree Panel Connector Hardware.....	113.46	10.86
12 59 13 00-0023	EA		34" Four-Way 90 Degree Panel Connector Hardware.....	106.38	10.18
12 59 13 00-0024	EA		42" Four-Way 90 Degree Panel Connector Hardware.....	124.50	11.91
12 59 13 00-0025	EA		62" Four-Way 90 Degree Panel Connector Hardware.....	149.70	14.33
12 59 13 00-0026	EA		34" Panel End Cap Hardware.....	18.12	1.74
12 59 13 00-0027	EA		42" Panel End Cap Hardware.....	20.48	1.96
12 59 13 00-0028	EA		62" Panel End Cap Hardware.....	22.06	2.11
12 59 13 00-0029	EA		28" Variable Height Panel End Filler.....	20.00	1.96
			Note: Field cut to appropriate length.		
12 59 13 00-0030	EA		Two-Way Trim Cover For Cable Management Raceway.....	10.29	0.98
12 59 13 00-0031	EA		Three-Way Trim Cover For Cable Management Raceway.....	10.85	1.05
12 59 13 00-0032	EA		Four-Way Trim Cover For Cable Management Raceway.....	12.56	1.20
12 59 13 00-0033	EA		Finished End Trim Cover For Cable Management Raceway.....	10.29	0.98
12 59 13 00-0034	EA		12" Cable Management Raceway Assembly.....	21.14	2.04
			Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0035	EA		24" Cable Management Raceway Assembly.....	23.99	2.26
			Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0036	EA		30" Cable Management Raceway Assembly.....	24.55	2.34
			Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0037	EA		36" Cable Management Raceway Assembly.....	27.43	2.64
			Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0038	EA		48" Cable Management Raceway Assembly.....	30.84	2.94
			Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0039	EA		24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	165.91	15.84
12 59 13 00-0040	EA		30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	204.36	19.53
12 59 13 00-0041	EA		24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	192.89	18.48
12 59 13 00-0042	EA		30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	241.12	23.08
12 59 13 00-0043	EA		24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	243.39	23.30
12 59 13 00-0044	EA		30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	306.57	29.41
12 59 13 00-0045	EA		24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	295.64	28.28

## 12 Furnishings

## 12 50 Furniture

## 12 59 Systems Furniture

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

12 59 13 00-0046	EA	30" x 72" Radiused Edge Rectangular Hanging Work Surface .....	371.39	35.52
12 59 13 00-0047	EA	30" x 60" Radiused Edge Table .....	659.76	63.19
12 59 13 00-0048	EA	30" x 72" Radiused Edge Table .....	721.00	69.08
12 59 13 00-0049	EA	14" x 24" Radiused Edge Transaction Surface .....	79.22	7.61
12 59 13 00-0050	EA	14" x 36" Radiused Edge Transaction Surface .....	90.12	8.60
12 59 13 00-0051	EA	14" x 48" Radiused Edge Transaction Surface .....	101.03	9.65
12 59 13 00-0052	EA	14" x 60" Radiused Edge Transaction Surface .....	125.72	12.07
12 59 13 00-0053	EA	14" x 72" Radiused Edge Transaction Surface .....	150.97	14.48
12 59 13 00-0054	EA	14" Right Angle Corner Transaction Surface .....	264.08	25.27
12 59 13 00-0055	EA	Transaction Surface Support .....	20.92	2.00
12 59 13 00-0056	EA	Plastic Pencil Drawer .....	22.80	1.96
12 59 13 00-0057	EA	15-1/2" x 24" Hanging Shelf .....	77.14	7.39
12 59 13 00-0058	EA	15-1/2" x 36" Hanging Shelf .....	83.97	7.99
12 59 13 00-0059	EA	15-1/2" x 48" Hanging Shelf .....	89.69	8.60
12 59 13 00-0060	EA	24" Flipper Door - Top And Front Closure .....	133.10	12.74
		Note: Used with hanging shelf.		
12 59 13 00-0061	EA	36" Flipper Door - Top And Front Closure .....	155.39	14.93
		Note: Used with hanging shelf.		
12 59 13 00-0062	EA	48" Flipper Door - Top And Front Closure .....	178.23	17.04
		Note: Used with hanging shelf.		
12 59 13 00-0063	EA	24" Suspended Lateral File, Lockable .....	458.89	43.70
12 59 13 00-0064	EA	30" Suspended Lateral File, Lockable .....	484.67	46.15
12 59 13 00-0065	EA	36" Suspended Lateral File, Lockable .....	511.40	48.69
12 59 13 00-0066	EA	48" Suspended Lateral File, Lockable .....	559.32	53.26
12 59 13 00-0067	EA	Fully Adjustable Vinyl Keyboard Tray .....	207.95	19.90
12 59 13 00-0068	EA	Palm Rest For Vinyl Keyboard Tray .....	32.55	3.16
12 59 13 00-0069	EA	24" x 36" Radiused Edge Corner Work Surface .....	262.72	25.18
12 59 13 00-0070	EA	File Drawer Organizer .....	84.56	8.07
12 59 13 00-0071	EA	Suspended Lateral File Converter Bracket .....	18.28	1.74
12 59 13 00-0072	EA	Utility Task Light .....	91.40	8.75

## 12 59 13 00-0073 Disassemble And Store Systems Furniture Components (12 59 13)

12 59 13 00-0074	EA	Disassemble And Store 34H 24W Fabric Covered Panel .....	25.91	
12 59 13 00-0075	EA	Disassemble And Store 34H 30W Fabric Covered Panel .....	28.80	
12 59 13 00-0076	EA	Disassemble And Store 34H 36W Fabric Covered Panel .....	30.80	
12 59 13 00-0077	EA	Disassemble And Store 34H 48W Fabric Covered Panel .....	34.50	
12 59 13 00-0078	EA	Disassemble And Store 42H 24W Fabric Covered Panel .....	26.33	
12 59 13 00-0079	EA	Disassemble And Store 42H 30W Fabric Covered Panel .....	29.76	
12 59 13 00-0080	EA	Disassemble And Store 42H 36W Fabric Covered Panel .....	33.34	
12 59 13 00-0081	EA	Disassemble And Store 42H 48W Fabric Covered Panel .....	39.18	
12 59 13 00-0082	EA	Disassemble And Store 62H 12W Fabric Covered Panel .....	25.37	
12 59 13 00-0083	EA	Disassemble And Store 62H 24W Fabric Covered Panel .....	31.21	
12 59 13 00-0084	EA	Disassemble And Store 62H 36W Fabric Covered Panel .....	39.04	
12 59 13 00-0085	EA	Disassemble And Store 62H 48W Fabric Covered Panel .....	46.75	
12 59 13 00-0086	EA	Disassemble And Store 34" Draw Rod Panel Connector Hardware .....	1.42	
12 59 13 00-0087	EA	Disassemble And Store 42" Draw Rod Panel Connector Hardware .....	1.42	
12 59 13 00-0088	EA	Disassemble And Store 62" Draw Rod Panel Connector Hardware .....	1.51	
12 59 13 00-0089	EA	Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware .....	6.51	
12 59 13 00-0090	EA	Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware .....	7.55	
12 59 13 00-0091	EA	Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware .....	8.68	
12 59 13 00-0092	EA	Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware .....	10.09	
12 59 13 00-0093	EA	Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware .....	11.70	
12 59 13 00-0094	EA	Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware .....	13.59	
12 59 13 00-0095	EA	Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware .....	12.73	
12 59 13 00-0096	EA	Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware .....	14.90	
12 59 13 00-0097	EA	Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware .....	17.92	
12 59 13 00-0098	EA	Disassemble And Store 34" Panel End Cap Hardware .....	2.17	
12 59 13 00-0099	EA	Disassemble And Store 42" Panel End Cap Hardware .....	2.45	
12 59 13 00-0100	EA	Disassemble And Store 62" Panel End Cap Hardware .....	2.64	
12 59 13 00-0101	EA	Disassemble And Store Variable Height Panel End Filler .....	2.39	
12 59 13 00-0102	EA	Disassemble And Store Two-Way Trim Cover For Cable Management Raceway .....	1.24	
12 59 13 00-0103	EA	Disassemble And Store Three-Way Trim Cover For Cable Management Raceway .....	1.30	
12 59 13 00-0104	EA	Disassemble And Store Four-Way Trim Cover For Cable Management Raceway .....	1.51	
12 59 13 00-0105	EA	Disassemble And Store Finished End Trim Cover For Cable Management Raceway .....	1.24	
12 59 13 00-0106	EA	Disassemble And Store 12" Cable Management Raceway Assembly .....	2.53	
12 59 13 00-0107	EA	Disassemble And Store 24" Cable Management Raceway Assembly .....	2.87	
12 59 13 00-0108	EA	Disassemble And Store 30" Cable Management Raceway Assembly .....	2.94	
12 59 13 00-0109	EA	Disassemble And Store 36" Cable Management Raceway Assembly .....	3.28	
12 59 13 00-0110	EA	Disassemble And Store 48" Cable Management Raceway Assembly .....	3.70	
12 59 13 00-0111	EA	Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface .....	19.86	
12 59 13 00-0112	EA	Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface .....	24.47	
12 59 13 00-0113	EA	Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface .....	23.10	
12 59 13 00-0114	EA	Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface .....	28.87	
12 59 13 00-0115	EA	Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface .....	29.15	
12 59 13 00-0116	EA	Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface .....	36.70	
12 59 13 00-0117	EA	Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface .....	35.40	
12 59 13 00-0118	EA	Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface .....	44.48	
12 59 13 00-0119	EA	Disassemble And Store 30" x 60" Radiused Edge Table .....	68.68	
12 59 13 00-0120	EA	Disassemble And Store 30" x 72" Radiused Edge Table .....	86.31	
12 59 13 00-0121	EA	Disassemble And Store 14" x 24" Radiused Edge Transaction Surface .....	9.49	
12 59 13 00-0122	EA	Disassemble And Store 14" x 36" Radiused Edge Transaction Surface .....	10.79	
12 59 13 00-0123	EA	Disassemble And Store 14" x 48" Radiused Edge Transaction Surface .....	12.10	
12 59 13 00-0124	EA	Disassemble And Store 14" x 60" Radiused Edge Transaction Surface .....	15.05	
12 59 13 00-0125	EA	Disassemble And Store 14" x 72" Radiused Edge Transaction Surface .....	18.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 59 13 00-0126	EA		Disassemble And Store 14" Right Angle Corner Transaction Surface.....	31.62	
12 59 13 00-0127	EA		Disassemble And Store Transaction Surface Support.....	2.50	
12 59 13 00-0128	EA		Disassemble And Store Plastic Pencil Drawer.....	2.46	
12 59 13 00-0129	EA		Disassemble And Store 15-1/2" x 24" Hanging Shelf.....	9.24	
12 59 13 00-0130	EA		Disassemble And Store 15-1/2" x 36" Hanging Shelf.....	10.05	
12 59 13 00-0131	EA		Disassemble And Store 15-1/2" x 48" Hanging Shelf.....	10.73	
12 59 13 00-0132	EA		Disassemble And Store 24" Flipper Door And Shelf.....	15.94	
12 59 13 00-0133	EA		Disassemble And Store 36" Flipper Door And Shelf.....	18.61	
12 59 13 00-0134	EA		Disassemble And Store 48" Flipper Door And Shelf.....	21.34	
12 59 13 00-0135	EA		Disassemble And Store 24" Suspended Lateral File.....	54.63	
12 59 13 00-0136	EA		Disassemble And Store 30" Suspended Lateral File.....	57.69	
12 59 13 00-0137	EA		Disassemble And Store 36" Suspended Lateral File.....	60.87	
12 59 13 00-0138	EA		Disassemble And Store 48" Suspended Lateral File.....	66.58	
12 59 13 00-0139	EA		Disassemble And Store Fully Adjustable Vinyl Keyboard Tray.....	24.90	
12 59 13 00-0140	EA		Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface.....	31.46	
12 59 13 00-0141	EA		Disassemble And Store Utility Task Light.....	10.95	

12 59 13 00-0142 Reconfigure Systems Furniture Components (12 59 13)

12 59 13 00-0143	EA		Reconfigure 34H 24W Fabric Covered Panel.....	27.63	
12 59 13 00-0144	EA		Reconfigure 34H 30W Fabric Covered Panel.....	30.71	
12 59 13 00-0145	EA		Reconfigure 34H 36W Fabric Covered Panel.....	32.83	
12 59 13 00-0146	EA		Reconfigure 34H 48W Fabric Covered Panel.....	36.79	
12 59 13 00-0147	EA		Reconfigure 42H 24W Fabric Covered Panel.....	28.07	
12 59 13 00-0148	EA		Reconfigure 42H 30W Fabric Covered Panel.....	31.73	
12 59 13 00-0149	EA		Reconfigure 42H 36W Fabric Covered Panel.....	35.54	
12 59 13 00-0150	EA		Reconfigure 42H 48W Fabric Covered Panel.....	41.77	
12 59 13 00-0151	EA		Reconfigure 62H 12W Fabric Covered Panel.....	27.04	
12 59 13 00-0152	EA		Reconfigure 62H 24W Fabric Covered Panel.....	33.27	
12 59 13 00-0153	EA		Reconfigure 62H 36W Fabric Covered Panel.....	41.62	
12 59 13 00-0154	EA		Reconfigure 62H 48W Fabric Covered Panel.....	49.84	
12 59 13 00-0155	EA		Reconfigure 34" Draw Rod Panel Connector Hardware.....	1.51	
12 59 13 00-0156	EA		Reconfigure 42" Draw Rod Panel Connector Hardware.....	1.51	
12 59 13 00-0157	EA		Reconfigure 62" Draw Rod Panel Connector Hardware.....	1.61	
12 59 13 00-0158	EA		Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware.....	6.94	
12 59 13 00-0159	EA		Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware.....	8.04	
12 59 13 00-0160	EA		Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware.....	9.26	
12 59 13 00-0161	EA		Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware.....	10.76	
12 59 13 00-0162	EA		Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware.....	12.47	
12 59 13 00-0163	EA		Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware.....	14.48	
12 59 13 00-0164	EA		Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware.....	13.58	
12 59 13 00-0165	EA		Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware.....	15.90	
12 59 13 00-0166	EA		Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware.....	19.11	
12 59 13 00-0167	EA		Reconfigure 34" Panel End Cap Hardware.....	2.31	
12 59 13 00-0168	EA		Reconfigure 42" Panel End Cap Hardware.....	2.61	
12 59 13 00-0169	EA		Reconfigure 62" Panel End Cap Hardware.....	2.81	
12 59 13 00-0170	EA		Reconfigure Variable Height Panel End Filler.....	2.55	
12 59 13 00-0171	EA		Reconfigure Two-Way Trim Cover For Cable Management Raceway.....	1.32	
12 59 13 00-0172	EA		Reconfigure Three-Way Trim Cover For Cable Management Raceway.....	1.39	
12 59 13 00-0173	EA		Reconfigure Four-Way Trim Cover For Cable Management Raceway.....	1.61	
12 59 13 00-0174	EA		Reconfigure Finished End Trim Cover For Cable Management Raceway.....	1.32	
12 59 13 00-0175	EA		Reconfigure 12" Cable Management Raceway Assembly.....	2.70	
12 59 13 00-0176	EA		Reconfigure 24" Cable Management Raceway Assembly.....	3.06	
12 59 13 00-0177	EA		Reconfigure 30" Cable Management Raceway Assembly.....	3.13	
12 59 13 00-0178	EA		Reconfigure 36" Cable Management Raceway Assembly.....	3.50	
12 59 13 00-0179	EA		Reconfigure 48" Cable Management Raceway Assembly.....	3.94	
12 59 13 00-0180	EA		Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	21.18	
12 59 13 00-0181	EA		Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	26.09	
12 59 13 00-0182	EA		Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	24.62	
12 59 13 00-0183	EA		Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	30.78	
12 59 13 00-0184	EA		Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	31.07	
12 59 13 00-0185	EA		Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	39.13	
12 59 13 00-0186	EA		Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	37.74	
12 59 13 00-0187	EA		Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	47.42	
12 59 13 00-0188	EA		Reconfigure 30" x 60" Radiused Edge Table.....	84.23	
12 59 13 00-0189	EA		Reconfigure 30" x 72" Radiused Edge Table.....	92.05	
12 59 13 00-0190	EA		Reconfigure 14" x 24" Radiused Edge Transaction Surface.....	10.11	
12 59 13 00-0191	EA		Reconfigure 14" x 36" Radiused Edge Transaction Surface.....	11.51	
12 59 13 00-0192	EA		Reconfigure 14" x 48" Radiused Edge Transaction Surface.....	12.90	
12 59 13 00-0193	EA		Reconfigure 14" x 60" Radiused Edge Transaction Surface.....	16.05	
12 59 13 00-0194	EA		Reconfigure 14" x 72" Radiused Edge Transaction Surface.....	19.27	
12 59 13 00-0195	EA		Reconfigure 14" Right Angle Corner Transaction Surface.....	33.71	
12 59 13 00-0196	EA		Reconfigure Transaction Surface Support.....	2.66	
12 59 13 00-0197	EA		Reconfigure 15-1/2" x 24" Hanging Shelf.....	9.85	
12 59 13 00-0198	EA		Reconfigure 15-1/2" x 36" Hanging Shelf.....	10.72	
12 59 13 00-0199	EA		Reconfigure 15-1/2" x 48" Hanging Shelf.....	11.45	
12 59 13 00-0200	EA		Reconfigure 24" Flipper Door And Shelf.....	16.99	
12 59 13 00-0201	EA		Reconfigure 36" Flipper Door And Shelf.....	19.83	
12 59 13 00-0202	EA		Reconfigure 48" Flipper Door And Shelf.....	22.75	
12 59 13 00-0203	EA		Reconfigure 24" Suspended Lateral File.....	58.27	
12 59 13 00-0204	EA		Reconfigure 30" Suspended Lateral File.....	61.54	
12 59 13 00-0205	EA		Reconfigure 36" Suspended Lateral File.....	64.93	
12 59 13 00-0206	EA		Reconfigure 48" Suspended Lateral File.....	71.03	
12 59 13 00-0207	EA		Reconfigure 24" x 36" Radiused Edge Corner Work Surface.....	33.54	

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

12 60 Multiple Seating <sup>(12)</sup>12 61 Fixed Audience Seating <sup>(12 60)</sup>12 61 13 Upholstered Audience Seating <sup>(12 61)</sup>12 61 13 00-0001 Upholstered Audience Seating <sup>(12 61 13)</sup>

12 61 13 00-0002	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Marquee 51.12.00.4).....	581.51	43.88
		Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	-72.92	
		For >249 To 749, Deduct	-87.50	
		For >749, Deduct	-97.22	
		For Up To 9, Add	792.38	
		For >9 To 24, Add	315.98	
		For Expansion Anchor Mounting With Anchor Caps, Add	24.02	
		For Epoxy Anchor Mounting With Anchor Caps, Add	28.20	
12 61 13 00-0003	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Marquee 51.12.10.4).....	613.43	43.88
		Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	-77.71	
		For >249 To 749, Deduct	-93.25	
		For >749, Deduct	-103.61	
		For Up To 9, Add	792.60	
		For >9 To 24, Add	316.00	
		For Expansion Anchor Mounting With Anchor Caps, Add	24.02	
		For Epoxy Anchor Mounting With Anchor Caps, Add	28.20	
12 61 13 00-0004	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Saturn 22.12.00.4).....	759.71	43.88
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	-99.65	
		For >249 To 749, Deduct	-119.58	
		For >749, Deduct	-132.86	
		For Up To 9, Add	797.18	
		For >9 To 24, Add	318.87	
		For Expansion Anchor Mounting With Anchor Caps, Add	24.02	
		For Epoxy Anchor Mounting With Anchor Caps, Add	28.20	
12 61 13 00-0005	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Saturn 22.12.10.4).....	791.49	43.88
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms		
		For >100 To 249, Deduct	-104.42	
		For >249 To 749, Deduct	-125.30	
		For >749, Deduct	-139.22	
		For Up To 9, Add	793.55	
		For >9 To 24, Add	320.21	
		For Expansion Anchor Mounting With Anchor Caps, Add	24.02	
		For Epoxy Anchor Mounting With Anchor Caps, Add	28.20	
12 61 13 00-0006	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Citation 90.12.00.4).....	506.96	43.88
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	-61.74	
		For >249 To 749, Deduct	-74.08	
		For >749, Deduct	-82.31	
		For Up To 9, Add	794.33	
		For >9 To 24, Add	316.91	
		For Expansion Anchor Mounting With Anchor Caps, Add	24.02	
		For Epoxy Anchor Mounting With Anchor Caps, Add	28.20	
12 61 13 00-0007	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Insert Aisle Panel (Irwin Citation 90.12.10.4).....	513.34	43.88
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with laminate insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	-62.69	
		For >249 To 749, Deduct	-75.23	
		For >749, Deduct	-83.59	
		For Up To 9, Add	794.11	
		For >9 To 24, Add	317.64	
		For Expansion Anchor Mounting With Anchor Caps, Add	24.02	
		For Epoxy Anchor Mounting With Anchor Caps, Add	28.20	
12 61 13 00-0008	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Citation 90.12.86.4).....	540.75	43.88
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 86 laminate surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	-66.80	
		For >249 To 749, Deduct	-80.16	
		For >749, Deduct	-89.07	
		For Up To 9, Add	792.74	
		For >9 To 24, Add	316.21	
		For Expansion Anchor Mounting With Anchor Caps, Add	24.02	
		For Epoxy Anchor Mounting With Anchor Caps, Add	28.20	



<b>Furnishings</b>	<b>12</b>
<b>Multiple Seating</b>	<b>12 60</b>
<b>Fixed Audience Seating</b>	<b>12 61</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**12 61 16 Molded-Plastic Audience Seating** (12 61)

**12 61 16 00-0001 Molded-Plastic Audience Seating** (12 61 16)

12 61 16 00-0002	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating (Irwin Patriot 30.52.00.30).....	384.92	43.88
		Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, open aisle standards, number 30 steel chair platform, floor mount, and polymer arms.		
		For >100 To 249, Deduct	-43.43	
		For >249 To 749, Deduct	-52.12	
		For >749, Deduct	-57.91	
		For Up To 9, Add	793.31	
		For >9 To 24, Add	318.48	
		For Expansion Anchor Mounting With Anchor Caps, Add	24.02	
		For Epoxy Anchor Mounting With Anchor Caps, Add	28.20	
12 61 16 00-0003	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Patriot 30.52.36.30) .....	433.21	43.88
		Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, number 36 laminate surfaced aisle panel, number 30 steel chair platform, floor mount, and flat laminate surfaced arms.		
		For >100 To 249, Deduct	-50.67	
		For >249 To 749, Deduct	-60.81	
		For >749, Deduct	-67.56	
		For Up To 9, Add	793.88	
		For >9 To 24, Add	317.55	
		For Expansion Anchor Mounting With Anchor Caps, Add	24.02	
		For Epoxy Anchor Mounting With Anchor Caps, Add	28.20	

**12 61 19 Plywood/Hardwood Audience Seating** (12 61)

**12 61 19 00-0001 Plywood/Hardwood Audience Seating** (12 61 19)

12 61 19 00-0002	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Crusader 1.14.00.4) .....	594.28	43.88
		Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, open aisle standards, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	-74.83	
		For >249 To 749, Deduct	-89.80	
		For >749, Deduct	-99.78	
		For Up To 9, Add	793.24	
		For >9 To 24, Add	319.29	
		For Expansion Anchor Mounting With Anchor Caps, Add	24.02	
		For Epoxy Anchor Mounting With Anchor Caps, Add	28.20	
12 61 19 00-0003	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Surfaced Aisle Panel (Irwin Crusader 1.14.86.4) .....	645.14	43.88
		Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, number 86 veneer surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	-82.46	
		For >249 To 749, Deduct	-98.96	
		For >749, Deduct	-109.95	
		For Up To 9, Add	797.14	
		For >9 To 24, Add	318.86	
		For Expansion Anchor Mounting With Anchor Caps, Add	24.02	
		For Epoxy Anchor Mounting With Anchor Caps, Add	28.20	

**12 61 21 Fixed Audience Seating Accessories** (12 61)

**12 61 21 00-0001 Fixed Audience Seating Accessories** (12 61 21)

12 61 21 00-0002	EA	100 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin).....	205.16	
		For >100 To 249, Deduct	-29.34	
		For >249 To 749, Deduct	-35.21	
		For >749, Deduct	-39.12	
12 61 21 00-0003	EA	120 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin).....	208.93	
		For >100 To 249, Deduct	-29.91	
		For >249 To 749, Deduct	-35.89	
		For >749, Deduct	-39.88	
12 61 21 00-0004	EA	151 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin).....	218.74	
		For >100 To 249, Deduct	-31.38	
		For >249 To 749, Deduct	-37.66	
		For >749, Deduct	-41.84	
12 61 21 00-0005	EA	98 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin).....	205.16	
		For >100 To 249, Deduct	-29.34	
		For >249 To 749, Deduct	-35.21	
		For >749, Deduct	-39.12	
12 61 21 00-0006	EA	105 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin).....	219.57	
		For >100 To 249, Deduct	-31.50	
		For >249 To 749, Deduct	-37.81	
		For >749, Deduct	-42.01	
12 61 21 00-0007	EA	Rubber Foot Shrouds For Number 4 Chair Platform (Per Chair), Fixed Audience Seating (Irwin).....	16.86	

**12 62 Portable-Audience Seating** (12 60)

**12 62 23 Portable Bleachers** (12 62)

**12 62 23 00-0001 Metal Bleachers, Outdoor, Portable** (12 62 23)

Note: Average seating is 18".

**12 62 23 00-0002 Non-Elevated Portable Aluminum Bleacher** (12 62 23 00-0001)

**12 Furnishings**

**12 60 Multiple Seating**

**12 62 Portable-Audience Seating**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 62 23 00-0003	SEA		2 To 5 Rows, Non Elevated Portable Aluminum Bleacher Price Per Seat ..... <i>For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure</i> <i>For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure</i>	99.16 165.00 335.00	3.80
<b>12 62 23 00-0004</b>			<b>Non-Elevated Portable Aluminum Bleacher</b> <small>(12 62 23 00-0001)</small> Note: Includes side and back fence.		
12 62 23 00-0005	SEA		5 Rows, Non Elevated Portable Aluminum Bleacher ..... Note: Including side and back fence. <i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	129.30 35.00	3.80
12 62 23 00-0006	SEA		6 To 10 Rows, Non Elevated Portable Aluminum Bleacher ..... Note: Including side and back fence. <i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	147.11 35.00	3.99
12 62 23 00-0007	SEA		11 To 15 Rows, Non Elevated Portable Aluminum Bleacher ..... Note: Including side and back fence. <i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	153.59 35.00	4.19
<b>12 62 23 00-0008</b>			<b>Non-Elevated Portable Aluminum Bleacher</b> <small>(12 62 23 00-0001)</small> Note: Includes side and back fence and center aisle with rails.		
12 62 23 00-0009	SEA		5 Rows, Non Elevated Portable Aluminum Bleacher ..... Note: Including side and back fence and center aisle with hand rails. <i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	200.76 35.00	4.29
12 62 23 00-0010	SEA		6 To 10 Rows, Non Elevated Portable Aluminum Bleacher ..... Note: Including side and back fence and center aisle with hand rails. <i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	229.23 35.00	4.50
12 62 23 00-0011	SEA		11 To 15 Rows, Non Elevated Portable Aluminum Bleacher ..... Note: Including side and back fence and center aisle with hand rails. <i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	248.51 35.00	4.76
<b>12 66 Telescoping Stands</b> <small>(12 60)</small>					
<b>12 66 13 Telescoping Bleachers</b> <small>(12 66)</small>					
<b>12 66 13 00-0001</b>			<b>Wall Mounted Telescoping Bleachers</b> <small>(12 66 13)</small> Note: Includes column cut-outs, manual operation, 10" plastic seats and cylinder lock. Excludes self storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts.		
12 66 13 00-0002	SEA		3 To 10 Tier Telescoping Bleacher, 24" Row Spacing ..... <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For &gt;200 To 300, Deduct</i> <i>For &gt;300 To 400, Deduct</i> <i>For &gt;400 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	206.43 69.30 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	20.45
12 66 13 00-0003	SEA		3 To 10 Tier Telescoping Bleacher, 25" - 26" Row Spacing..... <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For &gt;200 To 300, Deduct</i> <i>For &gt;300 To 400, Deduct</i> <i>For &gt;400 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	234.78 80.17 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	26.64
12 66 13 00-0004	SEA		3 To 10 Tier Telescoping Bleacher, 28" - 30" Row Spacing..... <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For &gt;200 To 300, Deduct</i> <i>For &gt;300 To 400, Deduct</i> <i>For &gt;400 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	265.79 92.23 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	27.47
12 66 13 00-0005	SEA		3 To 10 Tier Telescoping Bleacher, 31" - 33" Row Spacing..... <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For &gt;200 To 300, Deduct</i> <i>For &gt;300 To 400, Deduct</i> <i>For &gt;400 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	288.97 100.77 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	28.11
12 66 13 00-0006	SEA		11 To 20 Tier Telescoping Bleacher, 24" Row Spacing ..... <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For &gt;200 To 300, Deduct</i> <i>For &gt;300 To 400, Deduct</i> <i>For &gt;400 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	212.16 71.88 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	20.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66	13 00-0007	SEA	11 To 20 Tier Telescoping Bleacher, 25" - 26" Row Spacing.....	246.14	26.64
			For Aluminum Seating And Walks, Add	85.28	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66	13 00-0008	SEA	11 To 20 Tier Telescoping Bleacher, 28" - 30" Row Spacing.....	281.18	27.47
			For Aluminum Seating And Walks, Add	99.16	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66	13 00-0009	SEA	11 To 20 Tier Telescoping Bleacher, 31" - 33" Row Spacing.....	308.58	28.11
			For Aluminum Seating And Walks, Add	109.60	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66	13 00-0010	SEA	21 To 30 Tier Telescoping Bleacher, 22" - 24" Row Spacing.....	217.95	20.45
			For Aluminum Seating And Walks, Add	74.48	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66	13 00-0011	SEA	21 To 30 Tier Telescoping Bleacher, 25" - 26" Row Spacing.....	257.49	26.64
			For Aluminum Seating And Walks, Add	90.39	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66	13 00-0012	SEA	21 To 30 Tier Telescoping Bleacher, 28" - 30" Row Spacing.....	296.73	27.47
			For Aluminum Seating And Walks, Add	106.16	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66	13 00-0013	SEA	21 To 30 Tier Telescoping Bleacher, 31" - 33" Row Spacing.....	352.18	28.11
			For Aluminum Seating And Walks, Add	118.37	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66	13 00-0014		<b>Portable Telescoping Bleachers</b> <small>(12 66 13)</small>		
			Note: Includes manual operation, 10" plastic seats and cylinder lock. Excludes self storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts.		
12 66	13 00-0015	SEA	3 To 10 Tier Portable Bleacher, 24" Row Spacing.....	229.02	20.45
			For Aluminum Seating And Walks, Add	79.47	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66	13 00-0016	SEA	3 To 10 Tier Portable Bleacher, 25" - 26" Row Spacing.....	261.50	26.64
			For Aluminum Seating And Walks, Add	92.19	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	

**12 Furnishings****12 60 Multiple Seating****12 66 Telescoping Stands**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
12 66 13 00-0017	SEA 3 To 10 Tier Portable Bleacher, 28" - 30" Row Spacing..... <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For &gt;200 To 300, Deduct</i> <i>For &gt;300 To 400, Deduct</i> <i>For &gt;400 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	296.54 106.07 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	27.47
12 66 13 00-0018	SEA 3 To 10 Tier Portable Bleacher, 31" - 33" Row Spacing..... <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For &gt;200 To 300, Deduct</i> <i>For &gt;300 To 400, Deduct</i> <i>For &gt;400 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	322.56 115.89 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	28.11
12 66 13 00-0019	<b>Options And Accessories</b> <small>(12 66 13)</small>		
12 66 13 00-0020	EA Removable Center Railing, Single Sphere.....	159.22	3.67
12 66 13 00-0021	LF Removable Center Railing, Single Rail .....	55.62	3.67
12 66 13 00-0022	EA Self Storing Side Railing .....	182.35	4.19
12 66 13 00-0023	LF Rear Railing, Horizontal Or Vertical Rails .....	125.75	3.51
12 66 13 00-0024	SF Rear Panel, Plywood With Metal Frame, Trim And Finish .....	12.25	1.05
12 66 13 00-0025	SF End Panel, Plywood With Metal Frame, Trim And Finish.....	29.21	1.05
12 66 13 00-0026	SF Rear Filler Panel .....	42.00	0.52
12 66 13 00-0027	EA 4' Scorer/Timer Table.....	339.36	17.83
12 66 13 00-0028	EA 8' Scorer/Timer Table.....	423.05	27.27
12 66 13 00-0029	EA Portable Tractor For Wall Mounted Units .....	7,781.07	
12 66 13 00-0030	PR Portable Dolly For Portable Units .....	8,728.00	
12 66 13 00-0031	SEA For Each Additional Floor Above Or Below First Floor, Add For Installation .....	2.39	
12 66 13 00-0032	SEA For Each Additional Floor Above Or Below First Floor, Add For Demolition .....	1.20	
12 66 13 00-0033	ROW 48" Aisle, 24" - 26" Row, With Non Slip Tread .....	149.84	31.46
	<i>For Intermediate Steps, Add</i>	14.98	
12 66 13 00-0034	ROW 48" Aisle, 28" - 33" Row, With Non Slip Tread .....	394.31	41.95
	<i>For Intermediate Steps, Add</i>	39.43	
12 66 13 00-0035	ROW Aisle Filler Panel, 24" - 26" Row, With Non Slip Tread.....	116.93	13.11
12 66 13 00-0036	ROW Aisle Filler Panel, 28" - 33" Row, With Non Slip Tread.....	85.99	13.11
12 66 13 00-0037	EA Single Handicap Cutout Seating With Railing .....	530.73	39.33
12 66 13 00-0038	EA Double Handicap Cutout Seating With Railing .....	1,083.75	57.67
12 66 13 00-0039	EA Portable Operator's Handle.....	298.90	

**END OF SECTION 12**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 Special Construction

13 10 Special Facility Components <sup>(13)</sup>

13 11 Swimming Pools <sup>(13 10)</sup>

**13 11 46 Swimming Pool Accessories** <sup>(13 11)</sup>

See CSI section 22 51 19 00-0043 for diatomite type filter system.

<b>13 11 46 00-0001 Diving Stand</b> <sup>(13 11 46)</sup>					
13 11 46 00-0002	EA		Diving Stand, 3 M Galvanized Steel Swimming Pool Equipment.....	21,633.70	2,621.72
13 11 46 00-0003	EA		Diving Stand, 3 M Stainless Steel Swimming Pool Equipment.....	21,017.90	2,621.72
13 11 46 00-0004	EA		Diving Stand, 1 M Galvanized Steel Swimming Pool Equipment.....	12,605.51	1,048.69
13 11 46 00-0005	EA		Diving Stand, 1 M Stainless Steel Swimming Pool Equipment.....	12,576.24	1,048.69
13 11 46 00-0006	EA		Diving Stand, 1/2 M Galvanized Steel With Stainless Steel Rails.....	4,684.26	486.59
<b>13 11 46 00-0007 Diving Boards</b> <sup>(13 11 46)</sup>					
13 11 46 00-0008	EA		14' Long, Aluminum Diving Boards.....	4,374.78	388.01
			<i>For Wheel Adjuster, Add</i>	113.78	
13 11 46 00-0009	EA		14' Long, Fiberglass Diving Boards.....	1,977.86	388.01
			<i>For Wheel Adjuster, Add</i>	113.78	
13 11 46 00-0010	EA		8' Long, Fiberglass Diving Board.....	1,229.05	321.95
			<i>For Wheel Adjuster, Add</i>	106.44	
13 11 46 00-0011	EA		10' Long, Fiberglass Diving Board.....	1,511.26	343.97
			<i>For Wheel Adjuster, Add</i>	108.87	
13 11 46 00-0012	EA		12' Long, Fiberglass Diving Board.....	1,789.47	367.04
			<i>For Wheel Adjuster, Add</i>	111.41	
<b>13 11 46 00-0013 Heavy Duty Ladders</b> <sup>(13 11 46)</sup>					
13 11 46 00-0014	EA		Ladders, 2 Tread, Galvanized Steel Swimming Pool Equipment.....	1,168.41	149.96
13 11 46 00-0015	EA		Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment.....	1,469.71	149.96
13 11 46 00-0016	EA		Ladders, 4 Tread, Galvanized Steel Swimming Pool Equipment.....	1,342.45	173.03
13 11 46 00-0017	EA		Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment.....	1,801.36	173.03
<b>13 11 46 00-0018 Lifeguard Chair</b> <sup>(13 11 46)</sup>					
13 11 46 00-0019	EA		Lifeguard Chair, Galvanized Swimming Pool Equipment.....	2,811.49	388.01
13 11 46 00-0020	EA		Lifeguard Chair, Stainless Steel Swimming Pool Equipment.....	3,352.02	388.01
<b>13 11 46 00-0021 Underwater Lights</b> <sup>(13 11 46)</sup>					
13 11 46 00-0022	EA		Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment.....	436.36	120.57
13 11 46 00-0023	EA		Lights, Underwater, 110 Volt, Swimming Pool Equipment.....	427.39	120.57
<b>13 11 46 00-0024 Pool Covers</b> <sup>(13 11 46)</sup>					
			Note: Includes cover straps and tension springs.		
13 11 46 00-0025	SF		Pool Covers, Reinforced Polyethylene.....	12.15	5.28
13 11 46 00-0026	SF		Pool Cover, Vinyl Water Tube.....	12.51	5.28
<b>13 11 46 00-0027 Slides With Water Tube</b> <sup>(13 11 46)</sup>					
13 11 46 00-0028	EA		Swim Pool Slide.....	3,150.84	589.88
<b>13 11 46 00-0029 Curved Slides With Water Tube</b> <sup>(13 11 46)</sup>					
13 11 46 00-0030	EA		8 Ft Curved With Continuous Flowing Water.....	2,261.50	802.56

13 12 Fountains <sup>(13 10)</sup>

**13 12 13 Exterior Fountains** <sup>(13 12)</sup>

**13 12 13 00-0001 Fountains/Aerators** <sup>(13 12 13)</sup>

13 12 13 00-0002	EA		1/2 HP Pump, Single Phase With 100' Cord.....	2,288.61	148.14
13 12 13 00-0003	EA		3/4 HP Pump, Single Phase With 100' Cord.....	2,533.60	151.40
13 12 13 00-0004	EA		1 HP Pump, Single Phase With 100' Cord.....	2,566.39	155.07
13 12 13 00-0005	EA		1-1/2 HP Pump, Single Phase With 100' Cord.....	2,693.99	158.73
13 12 13 00-0006	EA		2 HP Pump, Single Phase With 100' Cord.....	2,822.56	162.80
13 12 13 00-0007	EA		5 HP Pump, Three Phase With 200' Cord.....	6,100.83	166.87
13 12 13 00-0008	EA		7-1/2 HP Pump, Three Phase With 200' Cord.....	6,988.30	171.34
13 12 13 00-0009	EA		10 HP Pump, Three Phase With 200' Cord.....	7,757.38	175.82
13 12 13 00-0010	EA		15 HP Pump, Three Phase With 200' Cord.....	9,829.89	180.71
13 12 13 00-0011	EA		Aerator Nozzle.....	607.42	81.40

13 20 Special Purpose Rooms <sup>(13)</sup>

13 21 Controlled Environment Rooms <sup>(13 20)</sup>

**13 Special Construction****13 20 Special Purpose Rooms****13 21 Controlled Environment Rooms**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**13 21 26 Cold Storage Rooms** (13 21)**13 21 26 13 Walk-in Coolers** (13 21 26)

See CSI section 11 41 23 00-0000 for walk-in coolers.

**13 30 Special Structures** (13)**13 34 Fabricated Engineered Structures** (13 30)**13 34 16 Grandstands and Bleachers** (13 34)**13 34 16 13 Grandstands** (13 34 16)**13 34 16 13-0001 Permanent Grandstands, Wood Seat, Steel Frame** (13 34 16 13)**13 34 16 13-0002 3 To 15 Tiers** (13 34 16 13-0001)

13 34 16 13-0003 SEA 3-15 Tier Permanent Grandstand Price Per Seat.....71.14 7.61

**13 34 16 13-0004 16 To 30 Tiers** (13 34 16 13-0001)

13 34 16 13-0005 SEA 16-30 Tier Permanent Grandstand Price Per Seat.....108.21 8.56

**13 34 19 Metal Building Systems** (13 34)

Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.

**13 34 19 00-0001 Pre-Engineered Metal Buildings** (13 34 19)

Note: Free standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations and slab. See CSI section 03 31 13 00-0001 for concrete slab, 03 31 13 00-0010 for concrete foundations, 13 34 19 00-0109 for metal building options.

**13 34 19 00-0002 Clear Span Rigid Frame Pre-Engineered Metal Buildings** (13 34 19 00-0001)

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

**13 34 19 00-0003 20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings** (13 34 19 00-0002)

13 34 19 00-0004 GSF 10' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....23.30 6.70

For 30' To 49' In Length Only, Add 1.92

For 50' To 69' In Length Only, Add 1.05

For 70' To 99' In Length Only, Add 0.43

For &gt;1 In 12 Slope To 3 In 12 Slope, Add 0.70

For &gt;3 In 12 Slope To 5 In 12 Slope, Add 1.17

For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add 1.75

For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add 2.27

For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add 2.80

For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add 4.43

For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add 5.59

For Single Slope Frame Roof, Add 1.20

For Each SF Of 24 Gauge Wall Panel, Add 0.66

For Each SF Of Lap Roof, Deduct -0.76

For Each SF Of Hip Roof, Add 0.94

For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired) -1.97

13 34 19 00-0005 GSF 12' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....25.05 7.36

For 30' To 49' In Length Only, Add 1.98

For 50' To 69' In Length Only, Add 1.08

For 70' To 99' In Length Only, Add 0.45

For &gt;1 In 12 Slope To 3 In 12 Slope, Add 0.75

For &gt;3 In 12 Slope To 5 In 12 Slope, Add 1.25

For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add 1.88

For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add 2.44

For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add 3.01

For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add 4.76

For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add 6.01

For Single Slope Frame Roof, Add 1.24

For Each SF Of 24 Gauge Wall Panel, Add 0.71

For Each SF Of Lap Roof, Deduct -0.76

For Each SF Of Hip Roof, Add 1.02

For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired) -1.97

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0006	GSF		14' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	27.02	8.12
			For 30' To 49' In Length Only, Add	2.04	
			For 50' To 69' In Length Only, Add	1.11	
			For 70' To 99' In Length Only, Add	0.46	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.81	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.35	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.03	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.63	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.24	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.13	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.48	
			For Single Slope Frame Roof, Add	1.27	
			For Each SF Of 24 Gauge Wall Panel, Add	0.76	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.12	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0007	GSF		16' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	29.15	8.89
			For 30' To 49' In Length Only, Add	2.13	
			For 50' To 69' In Length Only, Add	1.16	
			For 70' To 99' In Length Only, Add	0.48	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.87	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.46	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.19	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.84	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.50	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.54	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.00	
			For Single Slope Frame Roof, Add	1.33	
			For Each SF Of 24 Gauge Wall Panel, Add	0.82	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.21	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0008	GSF		18' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	31.34	9.65
			For 30' To 49' In Length Only, Add	2.24	
			For 50' To 69' In Length Only, Add	1.22	
			For 70' To 99' In Length Only, Add	0.50	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.94	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.57	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.35	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.06	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.76	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.95	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.52	
			For Single Slope Frame Roof, Add	1.40	
			For Each SF Of 24 Gauge Wall Panel, Add	0.88	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.31	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0009	GSF		20' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	34.40	10.36
			For 30' To 49' In Length Only, Add	2.58	
			For 50' To 69' In Length Only, Add	1.41	
			For 70' To 99' In Length Only, Add	0.58	
			For >1 In 12 Slope To 3 In 12 Slope, Add	1.03	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.72	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.58	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.35	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.13	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.54	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.26	
			For Single Slope Frame Roof, Add	1.62	
			For Each SF Of 24 Gauge Wall Panel, Add	0.97	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.40	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0010	GSF		24' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	38.70	11.88
			For 30' To 49' In Length Only, Add	2.81	
			For 50' To 69' In Length Only, Add	1.53	
			For 70' To 99' In Length Only, Add	0.63	
			For >1 In 12 Slope To 3 In 12 Slope, Add	1.16	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.94	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.90	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.77	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.64	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.35	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.29	
			For Single Slope Frame Roof, Add	1.76	
			For Each SF Of 24 Gauge Wall Panel, Add	1.08	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.58	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0011			>30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0002)</small>		

## 13 Special Construction

## 13 30 Special Structures

## 13 34 Fabricated Engineered Structures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0012	GSF	10' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	19.65	5.33
			For 30' To 49' In Length Only, Add	1.80	
			For 50' To 69' In Length Only, Add	0.98	
			For 70' To 99' In Length Only, Add	0.40	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.59	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.98	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.47	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.92	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.36	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.73	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.72	
			For Single Slope Frame Roof, Add	1.12	
			For Each SF Of 24 Gauge Wall Panel, Add	0.57	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.77	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0013	GSF	12' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	21.03	5.81
			For 30' To 49' In Length Only, Add	1.85	
			For 50' To 69' In Length Only, Add	1.01	
			For 70' To 99' In Length Only, Add	0.42	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.63	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.05	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.58	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.05	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.52	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.00	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.05	
			For Single Slope Frame Roof, Add	1.16	
			For Each SF Of 24 Gauge Wall Panel, Add	0.60	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.83	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0014	GSF	14' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	22.22	6.29
			For 30' To 49' In Length Only, Add	1.89	
			For 50' To 69' In Length Only, Add	1.03	
			For 70' To 99' In Length Only, Add	0.42	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.67	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.11	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.67	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.17	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.67	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.22	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.33	
			For Single Slope Frame Roof, Add	1.18	
			For Each SF Of 24 Gauge Wall Panel, Add	0.63	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.89	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0015	GSF	16' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	23.91	6.85
			For 30' To 49' In Length Only, Add	1.98	
			For 50' To 69' In Length Only, Add	1.08	
			For 70' To 99' In Length Only, Add	0.45	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.72	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.20	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.79	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.33	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.87	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.54	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.74	
			For Single Slope Frame Roof, Add	1.24	
			For Each SF Of 24 Gauge Wall Panel, Add	0.68	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.96	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0016	GSF	18' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	25.88	7.36
			For 30' To 49' In Length Only, Add	2.18	
			For 50' To 69' In Length Only, Add	1.19	
			For 70' To 99' In Length Only, Add	0.49	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.78	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.29	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.94	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.52	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.11	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.92	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.21	
			For Single Slope Frame Roof, Add	1.36	
			For Each SF Of 24 Gauge Wall Panel, Add	0.74	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.02	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0017	GSF		20' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	27.72	7.87
			For 30' To 49' In Length Only, Add	2.32	
			For 50' To 69' In Length Only, Add	1.26	
			For 70' To 99' In Length Only, Add	0.52	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.83	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.39	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.08	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.70	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.33	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.27	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.65	
			For Single Slope Frame Roof, Add	1.45	
			For Each SF Of 24 Gauge Wall Panel, Add	0.79	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.09	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0018	GSF		24' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	30.47	8.89
			For 30' To 49' In Length Only, Add	2.45	
			For 50' To 69' In Length Only, Add	1.34	
			For 70' To 99' In Length Only, Add	0.55	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.91	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.52	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.29	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.97	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.66	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.79	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.31	
			For Single Slope Frame Roof, Add	1.53	
			For Each SF Of 24 Gauge Wall Panel, Add	0.86	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.21	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0019			>50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings		
			(13 34 19 00-0002)		
13 34 19 00-0020	GSF		10' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	15.00	3.70
			For 30' To 49' In Length Only, Add	1.57	
			For 50' To 69' In Length Only, Add	0.86	
			For 70' To 99' In Length Only, Add	0.35	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.75	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.13	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.46	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.80	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.85	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.60	
			For Single Slope Frame Roof, Add	0.98	
			For Each SF Of 24 Gauge Wall Panel, Add	0.44	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.57	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0021	GSF		12' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	15.63	3.89
			For 30' To 49' In Length Only, Add	1.62	
			For 50' To 69' In Length Only, Add	0.88	
			For 70' To 99' In Length Only, Add	0.36	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.78	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.17	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.52	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.88	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.97	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.75	
			For Single Slope Frame Roof, Add	1.01	
			For Each SF Of 24 Gauge Wall Panel, Add	0.46	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.59	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0022	GSF		14' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	16.26	4.09
			For 30' To 49' In Length Only, Add	1.67	
			For 50' To 69' In Length Only, Add	0.91	
			For 70' To 99' In Length Only, Add	0.37	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.81	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.22	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.59	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.95	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.09	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.90	
			For Single Slope Frame Roof, Add	1.04	
			For Each SF Of 24 Gauge Wall Panel, Add	0.48	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.61	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

**13 Special Construction**

**13 30 Special Structures**

**13 34 Fabricated Engineered Structures**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

13 34 19 00-0023	GSF 16' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding .....	18.11	4.72
	For 30' To 49' In Length Only, Add	1.76	
	For 50' To 69' In Length Only, Add	0.96	
	For 70' To 99' In Length Only, Add	0.40	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.91	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.36	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.77	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.17	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.44	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.35	
	For Single Slope Frame Roof, Add	1.10	
	For Each SF Of 24 Gauge Wall Panel, Add	0.53	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.69	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0024	GSF 18' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding .....	19.59	5.25
	For 30' To 49' In Length Only, Add	1.82	
	For 50' To 69' In Length Only, Add	1.00	
	For 70' To 99' In Length Only, Add	0.41	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.59	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.98	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.47	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.91	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.35	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.72	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.70	
	For Single Slope Frame Roof, Add	1.14	
	For Each SF Of 24 Gauge Wall Panel, Add	0.57	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.76	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0025	GSF 20' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding .....	21.02	5.79
	For 30' To 49' In Length Only, Add	1.87	
	For 50' To 69' In Length Only, Add	1.02	
	For 70' To 99' In Length Only, Add	0.42	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.63	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.05	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.58	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.05	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.52	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.99	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.04	
	For Single Slope Frame Roof, Add	1.17	
	For Each SF Of 24 Gauge Wall Panel, Add	0.60	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.83	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0026	GSF 24' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding .....	23.50	6.54
	For 30' To 49' In Length Only, Add	2.05	
	For 50' To 69' In Length Only, Add	1.12	
	For 70' To 99' In Length Only, Add	0.46	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.71	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.18	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.76	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.29	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.82	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.47	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.64	
	For Single Slope Frame Roof, Add	1.28	
	For Each SF Of 24 Gauge Wall Panel, Add	0.67	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.92	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0027	<b>Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings</b> (13 34 19 00-0001)		
	Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0028	<b>20' To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings</b> (13 34 19 00-0027)		
13 34 19 00-0029	GSF 10' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	19.89	5.33
	For 30' To 49' In Length Only, Add	1.85	
	For 50' To 69' In Length Only, Add	1.01	
	For 70' To 99' In Length Only, Add	0.42	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.60	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.99	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.49	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.94	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.39	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.78	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.77	
	For Each SF Of 24 Gauge Wall Panel, Add	0.57	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.77	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0030	GSF		12' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	21.42	5.82
			For 30' To 49' In Length Only, Add	1.96	
			For 50' To 69' In Length Only, Add	1.07	
			For 70' To 99' In Length Only, Add	0.44	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.07	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.61	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.09	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.57	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.07	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.14	
			For Each SF Of 24 Gauge Wall Panel, Add	0.62	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.83	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0031	GSF		14' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	22.92	6.29
			For 30' To 49' In Length Only, Add	2.05	
			For 50' To 69' In Length Only, Add	1.12	
			For 70' To 99' In Length Only, Add	0.46	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.69	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.15	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.72	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.23	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.75	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.35	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.50	
			For Each SF Of 24 Gauge Wall Panel, Add	0.66	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.89	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0032	GSF		16' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	24.84	6.85
			For 30' To 49' In Length Only, Add	2.21	
			For 50' To 69' In Length Only, Add	1.21	
			For 70' To 99' In Length Only, Add	0.50	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.75	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.24	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.86	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.42	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.98	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.72	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.96	
			For Each SF Of 24 Gauge Wall Panel, Add	0.71	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.96	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0033	GSF		18' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	26.55	7.38
			For 30' To 49' In Length Only, Add	2.33	
			For 50' To 69' In Length Only, Add	1.27	
			For 70' To 99' In Length Only, Add	0.52	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.80	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.33	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.99	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.59	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.19	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.04	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.37	
			For Each SF Of 24 Gauge Wall Panel, Add	0.76	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.03	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0034	GSF		20' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	28.23	7.92
			For 30' To 49' In Length Only, Add	2.44	
			For 50' To 69' In Length Only, Add	1.33	
			For 70' To 99' In Length Only, Add	0.55	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.85	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.41	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.12	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.75	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.39	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.36	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.78	
			For Each SF Of 24 Gauge Wall Panel, Add	0.81	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.09	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
13 34 19 00-0035	GSF 24' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	31.75	9.03
	For 30' To 49' In Length Only, Add	2.67	
	For 50' To 69' In Length Only, Add	1.46	
	For 70' To 99' In Length Only, Add	0.60	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.95	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.59	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.38	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.10	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.81	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.03	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.62	
	For Each SF Of 24 Gauge Wall Panel, Add	0.91	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.23	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0036	>40' To 50' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0027)</small>		
13 34 19 00-0037	GSF 10' Eave Height, Up To 30' Long, >40' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	17.86	4.72
	For 30' To 49' In Length Only, Add	1.70	
	For 50' To 69' In Length Only, Add	0.93	
	For 70' To 99' In Length Only, Add	0.38	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.89	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.34	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.74	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.14	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.39	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.29	
	For Each SF Of 24 Gauge Wall Panel, Add	0.52	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.69	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0038	GSF 12' Eave Height, Up To 30' Long, >40' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	19.15	5.15
	For 30' To 49' In Length Only, Add	1.77	
	For 50' To 69' In Length Only, Add	0.97	
	For 70' To 99' In Length Only, Add	0.40	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.57	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.96	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.44	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.87	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.30	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.64	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.60	
	For Each SF Of 24 Gauge Wall Panel, Add	0.55	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.75	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0039	GSF 14' Eave Height, Up To 30' Long, >40' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	20.41	5.58
	For 30' To 49' In Length Only, Add	1.84	
	For 50' To 69' In Length Only, Add	1.00	
	For 70' To 99' In Length Only, Add	0.41	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.61	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.02	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.53	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.99	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.45	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.88	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.90	
	For Each SF Of 24 Gauge Wall Panel, Add	0.59	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.80	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0040	GSF 16' Eave Height, Up To 30' Long, >40' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	21.75	5.99
	For 30' To 49' In Length Only, Add	1.94	
	For 50' To 69' In Length Only, Add	1.06	
	For 70' To 99' In Length Only, Add	0.44	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.65	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.09	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.63	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.12	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.61	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.13	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.22	
	For Each SF Of 24 Gauge Wall Panel, Add	0.62	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.85	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0041	GSF		18' Eave Height, Up To 30' Long, >40' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	23.11	6.42
			For 30' To 49' In Length Only, Add	2.03	
			For 50' To 69' In Length Only, Add	1.11	
			For 70' To 99' In Length Only, Add	0.46	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.69	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.16	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.73	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.25	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.77	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.39	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.55	
			For Each SF Of 24 Gauge Wall Panel, Add	0.66	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.91	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0042	GSF		20' Eave Height, Up To 30' Long, >40' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	24.46	6.85
			For 30' To 49' In Length Only, Add	2.12	
			For 50' To 69' In Length Only, Add	1.16	
			For 70' To 99' In Length Only, Add	0.48	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.73	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.22	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.83	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.38	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.94	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.65	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.87	
			For Each SF Of 24 Gauge Wall Panel, Add	0.70	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.96	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0043	GSF		24' Eave Height, Up To 30' Long, >40' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	27.49	7.82
			For 30' To 49' In Length Only, Add	2.32	
			For 50' To 69' In Length Only, Add	1.26	
			For 70' To 99' In Length Only, Add	0.52	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.82	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.37	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.06	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.68	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.30	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.22	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.60	
			For Each SF Of 24 Gauge Wall Panel, Add	0.78	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.08	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0044			>50' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)		
13 34 19 00-0045	GSF		10' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	15.23	3.70
			For 30' To 49' In Length Only, Add	1.62	
			For 50' To 69' In Length Only, Add	0.89	
			For 70' To 99' In Length Only, Add	0.37	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.46	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.76	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.14	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.48	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.83	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.89	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.66	
			For Each SF Of 24 Gauge Wall Panel, Add	0.45	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.57	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0046	GSF		12' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	16.09	3.96
			For 30' To 49' In Length Only, Add	1.69	
			For 50' To 69' In Length Only, Add	0.92	
			For 70' To 99' In Length Only, Add	0.38	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.48	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.80	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.21	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.57	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.93	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.06	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.86	
			For Each SF Of 24 Gauge Wall Panel, Add	0.47	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.60	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
13 34 19 00-0047	GSF 14' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	16.94	4.21
	For 30' To 49' In Length Only, Add	1.76	
	For 50' To 69' In Length Only, Add	0.96	
	For 70' To 99' In Length Only, Add	0.40	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.85	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.27	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.65	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.03	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.22	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.07	
	For Each SF Of 24 Gauge Wall Panel, Add	0.50	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.63	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0048	GSF 16' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	17.84	4.47
	For 30' To 49' In Length Only, Add	1.83	
	For 50' To 69' In Length Only, Add	1.00	
	For 70' To 99' In Length Only, Add	0.41	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.89	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.34	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.74	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.14	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.39	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.28	
	For Each SF Of 24 Gauge Wall Panel, Add	0.52	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.66	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0049	GSF 18' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	18.95	4.77
	For 30' To 49' In Length Only, Add	1.93	
	For 50' To 69' In Length Only, Add	1.06	
	For 70' To 99' In Length Only, Add	0.44	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.57	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.95	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.42	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.85	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.27	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.60	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.55	
	For Each SF Of 24 Gauge Wall Panel, Add	0.55	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.70	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0050	GSF 20' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	19.95	5.03
	For 30' To 49' In Length Only, Add	2.04	
	For 50' To 69' In Length Only, Add	1.11	
	For 70' To 99' In Length Only, Add	0.46	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.60	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.00	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.50	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.95	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.39	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.79	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.79	
	For Each SF Of 24 Gauge Wall Panel, Add	0.58	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.73	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0051	GSF 24' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	22.33	5.71
	For 30' To 49' In Length Only, Add	2.23	
	For 50' To 69' In Length Only, Add	1.22	
	For 70' To 99' In Length Only, Add	0.50	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.67	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.12	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.67	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.18	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.68	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.24	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.36	
	For Each SF Of 24 Gauge Wall Panel, Add	0.65	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.82	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0052 Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0053 Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings

(13 34 19 00-0052)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0054		GSF 14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding ..... For >1 In 12 Slope To 3 In 12 Slope, Add For >3 In 12 Slope To 5 In 12 Slope, Add For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add For Each SF Of 24 Gauge Wall Panel, Add For Each SF Of Lap Roof, Deduct For Each SF Of Hip Roof, Add For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	16.30 0.49 0.82 1.22 1.59 1.96 3.10 3.91 0.47 -0.76 0.65 -1.97	4.37
13 34	19 00-0055		GSF 16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding ..... For >1 In 12 Slope To 3 In 12 Slope, Add For >3 In 12 Slope To 5 In 12 Slope, Add For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add For Each SF Of 24 Gauge Wall Panel, Add For Each SF Of Lap Roof, Deduct For Each SF Of Hip Roof, Add For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	17.41 0.52 0.87 1.31 1.70 2.09 3.31 4.18 0.50 -0.76 0.69 -1.97	4.67
13 34	19 00-0056		GSF 18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding ..... For >1 In 12 Slope To 3 In 12 Slope, Add For >3 In 12 Slope To 5 In 12 Slope, Add For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add For Each SF Of 24 Gauge Wall Panel, Add For Each SF Of Lap Roof, Deduct For Each SF Of Hip Roof, Add For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	18.30 0.55 0.92 1.37 1.78 2.20 3.48 4.39 0.53 -0.76 0.72 -1.97	4.92
13 34	19 00-0057		GSF 20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding ..... For >1 In 12 Slope To 3 In 12 Slope, Add For >3 In 12 Slope To 5 In 12 Slope, Add For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add For Each SF Of 24 Gauge Wall Panel, Add For Each SF Of Lap Roof, Deduct For Each SF Of Hip Roof, Add For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	19.16 0.57 0.96 1.44 1.87 2.30 3.64 4.60 0.55 -0.76 0.75 -1.97	5.17
13 34	19 00-0058		GSF 24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding ..... For >1 In 12 Slope To 3 In 12 Slope, Add For >3 In 12 Slope To 5 In 12 Slope, Add For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add For Each SF Of 24 Gauge Wall Panel, Add For Each SF Of Lap Roof, Deduct For Each SF Of Hip Roof, Add For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	20.78 0.62 1.04 1.56 2.03 2.49 3.95 4.99 0.60 -0.76 0.81 -1.97	5.63
13 34	19 00-0059		>60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		
13 34	19 00-0060		GSF 14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding ..... For >1 In 12 Slope To 3 In 12 Slope, Add For >3 In 12 Slope To 5 In 12 Slope, Add For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add For Each SF Of 24 Gauge Wall Panel, Add For Each SF Of Lap Roof, Deduct For Each SF Of Hip Roof, Add For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	14.98 0.45 0.75 1.12 1.46 1.80 2.85 3.60 0.44 -0.76 0.58 -1.97	3.86
13 34	19 00-0061		GSF 16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding ..... For >1 In 12 Slope To 3 In 12 Slope, Add For >3 In 12 Slope To 5 In 12 Slope, Add For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add For Each SF Of 24 Gauge Wall Panel, Add For Each SF Of Lap Roof, Deduct For Each SF Of Hip Roof, Add For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	15.94 0.48 0.80 1.20 1.55 1.91 3.03 3.83 0.46 -0.76 0.62 -1.97	4.11

**13 Special Construction**

**13 30 Special Structures**

**13 34 Fabricated Engineered Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0062	GSF		18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding .....	16.82	4.37
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.84	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.26	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.64	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.02	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.20	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.04	
			For Each SF Of 24 Gauge Wall Panel, Add	0.49	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.65	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0063	GSF		20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding .....	17.58	4.57
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.88	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.32	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.71	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.11	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.34	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.22	
			For Each SF Of 24 Gauge Wall Panel, Add	0.51	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.67	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0064	GSF		24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding .....	19.06	4.97
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.57	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.95	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.43	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.86	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.29	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.62	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.57	
			For Each SF Of 24 Gauge Wall Panel, Add	0.55	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.72	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0065			<b>&gt;80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings</b> <small>(13 34 19 00-0052)</small>		
13 34 19 00-0066	GSF		14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding .....	13.75	3.40
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.41	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.69	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.03	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.34	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.65	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.61	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.30	
			For Each SF Of 24 Gauge Wall Panel, Add	0.40	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.53	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0067	GSF		16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding .....	14.40	3.55
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.43	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.72	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.08	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.40	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.73	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.74	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.46	
			For Each SF Of 24 Gauge Wall Panel, Add	0.42	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.55	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0068	GSF		18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding .....	15.18	3.76
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.46	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.76	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.14	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.48	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.82	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.88	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.64	
			For Each SF Of 24 Gauge Wall Panel, Add	0.45	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.57	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0069	GSF		20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding .....	15.82	3.91
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.79	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.19	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.54	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.90	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.01	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.80	
			For Each SF Of 24 Gauge Wall Panel, Add	0.46	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.59	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0070			GSF 24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding .....17.15		4.27
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.86	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.29	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.67	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.06	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.26	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.12	
			For Each SF Of 24 Gauge Wall Panel, Add	0.50	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.64	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0071			>100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		
13 34 19 00-0072			GSF 14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding .....13.34		3.25
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.40	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.67	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.00	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.30	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.60	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.53	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.20	
			For Each SF Of 24 Gauge Wall Panel, Add	0.39	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.51	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0073			GSF 16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding .....13.89		3.40
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.69	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.04	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.35	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.67	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.64	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.33	
			For Each SF Of 24 Gauge Wall Panel, Add	0.41	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.53	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0074			GSF 18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding .....14.54		3.55
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.73	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.09	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.42	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.74	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.76	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.49	
			For Each SF Of 24 Gauge Wall Panel, Add	0.43	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.55	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0075			GSF 20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding .....15.15		3.70
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.76	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.14	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.48	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.82	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.88	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.64	
			For Each SF Of 24 Gauge Wall Panel, Add	0.45	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.57	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0076			GSF 24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding .....16.43		4.01
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.82	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.23	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.60	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.97	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.12	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.94	
			For Each SF Of 24 Gauge Wall Panel, Add	0.48	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.60	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0077			Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)		
			Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0078			Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0077)		

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0079	GSF	14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....	13.37	3.40
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.40	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.67	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.00	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.30	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.60	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.54	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.21	
			For Each SF Of 24 Gauge Wall Panel, Add	0.39	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.53	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0080	GSF	16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....	13.91	3.55
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.70	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.04	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.36	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.67	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.64	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.34	
			For Each SF Of 24 Gauge Wall Panel, Add	0.41	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.55	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0081	GSF	18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....	13.89	3.45
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.69	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.04	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.35	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.67	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.64	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.33	
			For Each SF Of 24 Gauge Wall Panel, Add	0.41	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.53	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0082	GSF	20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....	14.46	3.60
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.43	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.72	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.08	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.41	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.74	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.75	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.47	
			For Each SF Of 24 Gauge Wall Panel, Add	0.42	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.55	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0083	GSF	24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....	16.09	3.86
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.48	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.80	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.21	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.57	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.93	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.06	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.86	
			For Each SF Of 24 Gauge Wall Panel, Add	0.48	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.58	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0084		<b>&gt;120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings</b> <small>(13 34 19 00-0077)</small>		
13 34	19 00-0085	GSF	14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....	12.53	3.10
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.38	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.63	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.94	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.22	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.50	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.38	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.01	
			For Each SF Of 24 Gauge Wall Panel, Add	0.37	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.49	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0086	GSF	16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....	12.97	3.19
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.65	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.97	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.26	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.56	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.46	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.11	
			For Each SF Of 24 Gauge Wall Panel, Add	0.38	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.50	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0087			GSF 18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	13.46	3.33
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.40	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.67	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.01	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.31	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.62	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.56	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.23	
			For Each SF Of 24 Gauge Wall Panel, Add	0.40	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.52	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0088			GSF 20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	13.95	3.45
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.70	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.05	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.36	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.67	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.65	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.35	
			For Each SF Of 24 Gauge Wall Panel, Add	0.41	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.53	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0089			GSF 24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	15.57	3.70
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.78	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.17	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.52	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.87	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.96	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.74	
			For Each SF Of 24 Gauge Wall Panel, Add	0.46	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.57	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0090			<b>Triple Post 4-Span Frame Pre-Engineered Metal Buildings</b> (13 34 19 00-0001)		
			Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0091			<b>Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building</b>		
			(13 34 19 00-0090)		
13 34 19 00-0092			GSF 14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	12.02	2.94
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.36	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.60	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.90	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.17	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.44	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.28	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.88	
			For Each SF Of 24 Gauge Wall Panel, Add	0.35	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.47	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0093			GSF 16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	12.50	3.05
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.38	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.63	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.94	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.22	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.50	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.38	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.00	
			For Each SF Of 24 Gauge Wall Panel, Add	0.37	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.48	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0094			GSF 18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	12.94	3.15
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.65	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.97	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.26	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.55	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.46	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.11	
			For Each SF Of 24 Gauge Wall Panel, Add	0.38	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.50	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0095			GSF 20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	13.33	3.25
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.40	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.67	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.00	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.30	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.60	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.53	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.20	
			For Each SF Of 24 Gauge Wall Panel, Add	0.39	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.51	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

**13 Special Construction**

**13 30 Special Structures**

**13 34 Fabricated Engineered Structures**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
13 34 19 00-0096	GSF 24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	15.01	3.55
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.75	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.13	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.46	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.80	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.85	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.60	
	For Each SF Of 24 Gauge Wall Panel, Add	0.44	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.55	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0097	<b>&gt;160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building</b> <small>(13 34 19 00-0090)</small>		
13 34 19 00-0098	GSF 14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	11.81	2.84
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.35	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.59	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.89	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.15	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.42	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.24	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.83	
	For Each SF Of 24 Gauge Wall Panel, Add	0.35	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.46	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0099	GSF 16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	12.23	2.94
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.37	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.61	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.92	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.19	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.47	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.32	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.94	
	For Each SF Of 24 Gauge Wall Panel, Add	0.36	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.47	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0100	GSF 18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	12.68	3.05
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.38	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.63	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.95	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.24	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.52	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.41	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.04	
	For Each SF Of 24 Gauge Wall Panel, Add	0.37	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.48	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0101	GSF 20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	13.11	3.15
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.66	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.98	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.28	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.57	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.49	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.15	
	For Each SF Of 24 Gauge Wall Panel, Add	0.39	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.50	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0102	GSF 24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	14.66	3.40
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.73	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.10	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.43	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.76	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.79	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.52	
	For Each SF Of 24 Gauge Wall Panel, Add	0.44	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.53	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0103	<b>&gt;180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings</b> <small>(13 34 19 00-0090)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0104			GSF 14' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....11.61	2.74	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.35	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.58	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.87	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.13	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.39	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.21	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.79	
			For Each SF Of 24 Gauge Wall Panel, Add	0.34	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.44	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0105			GSF 16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....11.96	2.84	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.36	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.60	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.90	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.17	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.44	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.27	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.87	
			For Each SF Of 24 Gauge Wall Panel, Add	0.35	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.46	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0106			GSF 18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....12.42	2.94	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.37	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.62	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.93	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.21	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.49	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.36	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.98	
			For Each SF Of 24 Gauge Wall Panel, Add	0.37	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.47	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0107			GSF 20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....12.87	3.05	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.64	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.97	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.25	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.54	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.45	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.09	
			For Each SF Of 24 Gauge Wall Panel, Add	0.38	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.48	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0108			GSF 24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....14.44	3.29	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.43	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.72	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.08	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.41	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.73	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.74	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.47	
			For Each SF Of 24 Gauge Wall Panel, Add	0.43	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.51	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0109			<b>Metal Building Options</b> (13 34 19 00-0001)		
			Note: For use with metal buildings only. See CSI section 08 36 13 00-0013 for sectional doors, 08 51 13 00-0086 for sliding windows.		
13 34 19 00-0110			<b>Metal Framing For Rough Openings</b> (13 34 19 00-0109)		
			Note: Excludes doors See CSI section 08 13 00 00-0000 for metal doors, 08 14 00 00-0000 for wood doors, 08 33 23 00-0000 for overhead coiling doors.		
13 34 19 00-0111	EA		Single Door, Metal Frame Rough Opening .....432.06	113.71	
13 34 19 00-0112	EA		Double Door, Metal Frame Rough Opening .....654.02	147.21	
13 34 19 00-0113	EA		10' x 10' Overhead Door, Metal Frame Rough Opening .....767.21	139.60	
13 34 19 00-0114	EA		12' x 12' Overhead Door, Metal Frame Rough Opening .....827.50	142.13	
13 34 19 00-0115	EA		14' x 14' Overhead Door, Metal Frame Rough Opening .....878.05	147.21	
13 34 19 00-0116	EA		Up To 12 SF, Window Opening, Metal Frame Rough Opening .....416.32	113.71	
13 34 19 00-0117	EA		>12 To 18 SF, Window Opening, Metal Frame Rough Opening .....467.76	129.24	
13 34 19 00-0118	LF		Additional Girts.....11.42		
13 34 19 00-0119			<b>Wall Panel Options For Metal Buildings</b> (13 34 19 00-0109)		
			Note: Upgrade from 26 gauge wall panels.		
13 34 19 00-0120	SF		Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile .....11.53		
			Note: 24 gauge exterior and 24 gauge interior panels.		
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
			For Premium Exterior Colors, Add	0.12	
13 34 19 00-0121	SF		Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile .....14.23		
			Note: 24 gauge exterior and 24 gauge interior panels.		
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
			For Premium Exterior Colors, Add	0.12	

**13 Special Construction**

**13 30 Special Structures**

**13 34 Fabricated Engineered Structures**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

13 34 19 00-0122	SF	Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile ..... Note: 24 gauge exterior and 24 gauge interior panels.	16.69	
		<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24	
		<i>For Premium Exterior Colors, Add</i>	0.12	
13 34 19 00-0123	SF	Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile ..... Note: 24 gauge exterior and 24 gauge interior panels.	19.59	
		<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24	
		<i>For Premium Exterior Colors, Add</i>	0.12	

**13 34 19 00-0124 Roofing Options For Metal Buildings** (13 34 19 00-0109)

		Note: Upgrade from 26 gauge standing seam roof panels.		
13 34 19 00-0125	SF	Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof .....	1.06	
13 34 19 00-0126	SF	Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42 ..... Note: 24 gauge exterior and 24 gauge interior panels.	18.11	
		<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24	
		<i>For Premium Exterior Colors, Add</i>	0.12	
13 34 19 00-0127	SF	Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42 ..... Note: 24 gauge exterior and 24 gauge interior panels.	19.31	
		<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24	
		<i>For Premium Exterior Colors, Add</i>	0.12	
13 34 19 00-0128	SF	Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42 ..... Note: 24 gauge exterior and 24 gauge interior panels.	20.28	
		<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24	
		<i>For Premium Exterior Colors, Add</i>	0.12	
13 34 19 00-0129	EA	3' x 10' Translucent Fiberglass Panels.....	147.37	43.65
13 34 19 00-0130	LF	Vented Ridge Vent For Standing Seam Roof.....	19.88	

**13 34 19 00-0131 Insulation For Metal Buildings** (13 34 19 00-0109)

13 34 19 00-0132	SF	1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation .....	1.18	0.31
13 34 19 00-0133	SF	2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation .....	1.31	0.31
13 34 19 00-0134	SF	3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation .....	1.49	0.42
13 34 19 00-0135	SF	3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation .....	1.72	0.42
13 34 19 00-0136	SF	6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation .....	2.16	0.42
13 34 19 00-0137	SF	1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	1.44	0.31
13 34 19 00-0138	SF	2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	1.57	0.31
13 34 19 00-0139	SF	3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	1.70	0.42
13 34 19 00-0140	SF	3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	1.88	0.42
13 34 19 00-0141	SF	6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	2.24	0.42
13 34 19 00-0142	SF	1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.36	0.31
13 34 19 00-0143	SF	2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.52	0.31
13 34 19 00-0144	SF	3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.80	0.42
13 34 19 00-0145	SF	3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.98	0.42
13 34 19 00-0146	SF	6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	2.32	0.42
13 34 19 00-0147	SF	2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation.....	1.26	0.31
13 34 19 00-0148	SF	3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation.....	1.34	0.31
13 34 19 00-0149	SF	4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation.....	1.51	0.42
13 34 19 00-0150	SF	6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation.....	1.88	0.42
13 34 19 00-0151	SF	2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.28	0.31
13 34 19 00-0152	SF	3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.36	0.31
13 34 19 00-0153	SF	4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.54	0.42
13 34 19 00-0154	SF	6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.93	0.42
13 34 19 00-0155	SF	2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	1.71	0.31
13 34 19 00-0156	SF	3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	1.83	0.31
13 34 19 00-0157	SF	4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	2.00	0.42
13 34 19 00-0158	SF	6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	2.39	0.42

**13 34 19 00-0159 Eave And Overhang Options For Metal Buildings** (13 34 19 00-0109)

13 34 19 00-0160	LF	2' End Wall Roof Overhang And 26 Gauge Soffit.....	34.37	7.92
13 34 19 00-0161	LF	4' End Wall Roof Overhang And 26 Gauge Soffit.....	51.76	5.68
13 34 19 00-0162	SF	Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy .....	68.96	12.69
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		<i>For End Braced (Up To 16' Wall Projection), Add</i>	15.97	
		<i>For Overhead Braced (Up To 10' Wall Projection), Add</i>	9.08	
13 34 19 00-0163	SF	>20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy.....	57.64	10.66
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		<i>For End Braced (Up To 16' Wall Projection), Add</i>	13.34	
		<i>For Overhead Braced (Up To 10' Wall Projection), Add</i>	7.58	
13 34 19 00-0164	SF	>50 SF, Prefinished Aluminum, Wall Hung Canopy .....	44.13	9.14
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		<i>For End Braced (Up To 16' Wall Projection), Add</i>	10.12	
		<i>For Overhead Braced (Up To 10' Wall Projection), Add</i>	5.71	
13 34 19 00-0165	SF	Up To 50 SF, Prefinished Aluminum, Free Standing Canopy .....	85.69	19.29
		Note: Includes finished underside and edges.		
13 34 19 00-0166	SF	>50 SF, Prefinished Aluminum, Free Standing Canopy .....	57.07	11.67
		Note: Includes finished underside and edges.		
13 34 19 00-0167	LF	1' Standard Eave Overhang Without Soffit.....	31.87	
13 34 19 00-0168	LF	2' Standard Eave Overhang Without Soffit.....	39.84	
13 34 19 00-0169	LF	3' Standard Eave Overhang Without Soffit.....	48.07	
13 34 19 00-0170	LF	4' Standard Eave Overhang Without Soffit.....	56.17	
13 34 19 00-0171	LF	6' Standard Eave Overhang Without Soffit.....	71.75	
13 34 19 00-0172	LF	1' Standard Eave Overhang And 26 Gauge Soffit.....	42.26	
		<i>For 24 Gauge, Add</i>	4.39	
13 34 19 00-0173	LF	2' Standard Eave Overhang And 26 Gauge Soffit.....	52.77	
		<i>For 24 Gauge, Add</i>	5.54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0174 LF 3' Standard Eave Overhang And 26 Gauge Soffit <i>For 24 Gauge, Add</i>	63.51 6.64	
13 34 19 00-0175 LF 4' Standard Eave Overhang And 26 Gauge Soffit <i>For 24 Gauge, Add</i>	74.27 7.73	
13 34 19 00-0176 LF 6' Standard Eave Overhang And 26 Gauge Soffit <i>For 24 Gauge, Add</i>	94.83 9.96	
<b>13 34 19 00-0177 Louvers And Vents For Metal Buildings (13 34 19 00-0109)</b>		
13 34 19 00-0178 EA 4' x 3' Fixed Louver	550.58	158.38
13 34 19 00-0179 EA 12" Rotary Vent With Damper	336.01	101.52
13 34 19 00-0180 EA 20" Rotary Vent With Damper	578.11	135.53
13 34 19 00-0181 EA 24" Rotary Vent With Damper	757.01	152.29
13 34 19 00-0182 EA Gravity Ridge Ventilator With Birdscreen, 9" Throat x 10'	877.02	203.05
13 34 19 00-0183 EA Gravity Ridge Ventilator With Birdscreen, 12" Throat x 10'	930.62	203.05
13 34 19 00-0184 EA Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,070.91	203.05
13 34 19 00-0185 EA Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,163.25	203.05
13 34 19 00-0186 EA Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,264.82	203.05
13 34 19 00-0187 EA Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,366.38	203.05
13 34 19 00-0188 EA Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Birdscreen	1,791.08	253.81
13 34 19 00-0189 EA Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Birdscreen	1,957.28	253.81
<b>13 34 19 00-0190 Gutters And Downspouts For Metal Buildings (13 34 19 00-0109)</b>		
13 34 19 00-0191 LF Pre-Engineered Standard Type Gutter, Painted <i>For Galvanized Instead Of Painted, Deduct</i>	8.63 -0.89	2.54
13 34 19 00-0192 LF Pre-Engineered Standard Type Downspout, Painted <i>For Galvanized Instead Of Painted, Deduct</i>	8.53 -0.36	3.55
<b>13 34 23 Fabricated Structures (13 34)</b>		
<b>13 34 23 13 Portable and Mobile Buildings (13 34 23)</b>		
<b>13 34 23 13-0001 Prefabricated Signal, Communication Or Electrical Building (13 34 23 13)</b>		
Note: Complete, includes door, roof, lights and wiring, insulation, painted.		
13 34 23 13-0002 SF 15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building	368.38	
13 34 23 13-0003 SF 30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building	316.05	
13 34 23 13-0004 SF 50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building	252.99	
13 34 23 13-0005 SF 80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building	200.16	
13 34 23 13-0006 SF 100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building	178.84	
<b>13 34 23 13-0007 Temporary Trailers 1 To 6 Years Life (13 34 23 13)</b>		
Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
13 34 23 13-0008 SF Single Trailer Up To 14' x 73' <i>For Each Delivery And Set-Up (Block And Level), Add</i> <i>For Each Knock-Down And Pick-Up, Add</i> <i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	46.73 1,283.97 1,003.97 110.00	
13 34 23 13-0009 SF Modular Trailers, Connected <i>For Each Anchoring Into Asphalt Or Concrete, Add</i> <i>For Each Delivery And Set-Up (Block And Level), Add</i> <i>For Each Knock-Down And Pick-Up, Add</i>	65.42 110.00 2,793.71 2,143.71	
13 34 23 13-0010 EA Add Per Additional Exterior Door With Frame And Hardware	700.94	
<b>13 34 23 13-0011 Accessories (13 34 23 13)</b>		
<b>13 34 23 13-0012 Skirting (13 34 23 13-0011)</b>		
Note: Includes 2" x 4" wood framing 16" on center.		
<b>13 34 23 13-0013 Vinyl Covered, Exterior Only (13 34 23 13-0012)</b>		
13 34 23 13-0014 SF 1'-8" High Vinyl Covered Skirt	4.37	1.80
13 34 23 13-0015 SF 3' High Vinyl Covered Skirt	6.51	2.96
<b>13 34 23 13-0016 Fiberglass, Exterior Only (13 34 23 13-0012)</b>		
13 34 23 13-0017 SF 1'-8" High Fiberglass Skirt	7.86	3.38
13 34 23 13-0018 SF 3' High Fiberglass Skirt	9.21	4.12
<b>13 34 23 13-0019 Plywood, Exterior Only (13 34 23 13-0012)</b>		
13 34 23 13-0020 SF 1'-8" High 5/8" Plywood Skirt	7.71	3.59
13 34 23 13-0021 SF 3' High 5/8" Plywood Skirt	9.15	4.33
<b>13 34 23 13-0022 Steel, Painted, Exterior Only (13 34 23 13-0012)</b>		
13 34 23 13-0023 SF 1'-8" High 26 Gauge Steel Skirt	8.56	3.38
13 34 23 13-0024 SF 3' High 26 Gauge Steel Skirt	10.00	4.12
<b>13 34 23 13-0025 14" x 14" Access Hatch (13 34 23 13-0011)</b>		
Note: Simple design.		
13 34 23 13-0026 EA 14" x 14" Vinyl Covered Access Hatch	214.44	79.34

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23	13-0027	EA	14" x 14" Fiberglass Access Hatch .....	186.22	79.34
13 34 23	13-0028	EA	14" x 14" Plywood Access Hatch .....	213.11	79.34
13 34 23	13-0029	EA	14" x 14" 26 Gauge Steel Access Hatch .....	214.20	79.34
<b>13 34 23</b>	<b>13-0030</b>		<b>Pole Anchor</b> <small>(13 34 23 13-0011)</small>		
			Note: Joslyn.		
13 34 23	13-0031	EA	Pole Anchor, 4" Helix, 3/4" x 54" Shaft.....	52.70	24.13
13 34 23	13-0032	EA	Pole Anchor, 6" Helix, 3/4" x 66" Shaft.....	59.17	24.13
13 34 23	13-0033	EA	Pole Anchor, 8" Helix, 1" x 66" Shaft.....	78.16	27.14
13 34 23	13-0034	EA	Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft.....	108.64	30.17
13 34 23	13-0035	EA	Pole Anchor, 10" Helix, 1-1/4" x 8" Shaft.....	123.88	33.18
13 34 23	13-0036	EA	Pole Anchor, 16" Helix, 1-1/4" x 8" Shaft.....	197.58	45.25
<b>13 34 23</b>	<b>13-0037</b>		<b>Aluminum Modular Access Ramp</b> <small>(13 34 23 13-0011)</small>		
			Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
13 34 23	13-0038	EA	72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp .....	2,571.45	26.41
13 34 23	13-0039	EA	60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp .....	2,603.14	34.33
13 34 23	13-0040	EA	60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp .....	5,346.12	52.82
13 34 23	13-0041	EA	110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp .....	5,757.73	52.82
13 34 23	13-0042	EA	60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp .....	2,706.04	34.33
13 34 23	13-0043	EA	71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp .....	2,674.35	26.41
13 34 23	13-0044	EA	84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp .....	3,732.49	34.33
13 34 23	13-0045	EA	30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp .....	2,655.88	34.33
13 34 23	13-0046	EA	35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp .....	2,655.88	34.33
13 34 23	13-0047	EA	42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp .....	3,019.89	34.33
13 34 23	13-0048	EA	49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp .....	3,381.34	34.33
<b>13 34 23</b>	<b>13-0049</b>		<b>Relocate Portable And Mobile Trailer</b> <small>(13 34 23 13)</small>		
			Note: Excludes anchors, skirting, steps, ramps, utility hook-ups and foundation. See CSI section 01 22 16 00-0002 for reimbursable permit fees, 13 34 23 13-0012 for skirting, 13 34 23 13-0030 for anchors.		
13 34 23	13-0050	EA	Prepare, Up To 12' Wide, Single Trailer For Transporstation.....	761.97	
			Note: Includes securing interior, mounting tires, and mounting trailer hitch		
13 34 23	13-0051	EA	Separate, 24' Wide Double Trailer And Prepare For Transporstation .....	4,227.75	
			Note: Includes separating trailers, securing interior, installing plastic and boards to open side of each (2) trailers, mounting tires, and mounting trailer hitch.		
13 34 23	13-0052	EA	Remove Blocking From 8' Wide x Up To 35' Long Trailer.....	335.26	
			Note: Per trailer		
13 34 23	13-0053	EA	Remove Blocking From 10' Wide x 40' To 50' Long Trailer.....	426.70	
			Note: Per trailer		
13 34 23	13-0054	EA	Remove Blocking From 12' Wide x 45' To 60' Long Trailer.....	518.14	
			Note: Per trailer		
13 34 23	13-0055	EA	Remove Blocking From 24' Wide x 45' To 60' Long Trailer.....	1,036.27	
			Note: Per trailer		
13 34 23	13-0056	MI	Transportation And Delivery Of Trailer.....	13.92	
13 34 23	13-0057	EA	Re-connect 24' Wide Double Trailer .....	7,496.09	
			Note: Includes removal of temporary plastic and boards, caulking, installation of flooring, ceiling and roofing seams. Excludes blocking and leveling. See CSI section 13 34 23 13-0060 for blocking and leveling of each section.		
13 34 23	13-0058	EA	Set-Up (Block And Level) Trailer, 8' Wide x Up To 35' Long.....	419.09	
			Note: Per trailer		
13 34 23	13-0059	EA	Set-Up (Block And Level) Trailer, 10' Wide x 40' To 50' Long.....	533.38	
			Note: Per trailer		
13 34 23	13-0060	EA	Set-Up (Block And Level) Trailer, 12' Wide x 45' To 60' Long.....	647.67	
			Note: Per trailer		
13 34 23	13-0061	EA	Set-Up (Block And Level) Trailer, 24' Wide x 45' To 60' Long.....	1,295.34	
			Note: Per trailer		
13 34 23	13-0062	EA	Connection Straps To Anchor .....	19.05	
			Note: Includes straps per each anchor See CSI section 13 34 23 13-0030 for anchors.		
<b>13 34 23 14</b>			<b>Fabricated Classroom Buildings</b> <small>(13 34 23)</small>		
<b>13 34 23 14-0001</b>			<b>Semi Permanent Modular Transportable Buildings</b> <small>(13 34 23 14)</small>		
13 34 23	14-0002	SF	Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom .....	69.63	
			For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
			For Each Delivery And Set-Up (Block And Level), Add	2,793.71	
			For Each Knock-Down And Pick-Up, Add	2,143.71	
13 34 23	14-0003	SF	Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room .....	71.69	
			For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
			For Each Delivery And Set-Up (Block And Level), Add	2,793.71	
			For Each Knock-Down And Pick-Up, Add	2,143.71	
<b>13 34 23 16</b>			<b>Fabricated Control Booths</b> <small>(13 34 23)</small>		
<b>13 34 23 16-0001</b>			<b>Fabricated Parking Attendant Booths</b> <small>(13 34 23 16)</small>		
			Note: Excludes foundations and slab.		
13 34 23	16-0002	EA	Parking Booth For Attendant.....	1,143.06	
<b>13 34 23 31</b>			<b>Fabricated Pavilion Style Buildings</b> <small>(13 34 23)</small>		
<b>13 34 23 31-0001</b>			<b>Pavilion Style Metal Shelter Structures</b> <small>(13 34 23 31)</small>		
			Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 31-0002 EA 12' x 12' Pavilion Style Metal Shelter Structure.....	10,336.70	1,946.82
13 34 23 31-0003 EA 16' x 16' Pavilion Style Metal Shelter Structure.....	12,158.58	2,031.49
13 34 23 31-0004 EA 16' x 32' Pavilion Style Metal Shelter Structure.....	15,540.98	2,166.92
13 34 23 31-0005 EA 20' x 20' Pavilion Style Metal Shelter Structure.....	14,592.48	2,099.21
13 34 23 31-0006 EA 20' x 30' Pavilion Style Metal Shelter Structure.....	18,075.89	2,302.36
13 34 23 31-0007 EA 20' x 40' Pavilion Style Metal Shelter Structure.....	21,568.87	2,370.07
13 34 23 31-0008 EA 24' x 24' Pavilion Style Metal Shelter Structure.....	17,872.40	2,166.92
13 34 23 31-0009 EA 24' x 48' Pavilion Style Metal Shelter Structure.....	25,255.70	2,708.66
13 34 23 31-0010 EA 30' x 30' Pavilion Style Metal Shelter Structure.....	24,270.77	2,708.66
13 34 23 31-0011 EA 30' x 60' Pavilion Style Metal Shelter Structure.....	48,440.65	3,385.82
13 34 23 31-0012 EA 40' x 40' Pavilion Style Metal Shelter Structure.....	44,745.14	4,231.51
13 34 23 31-0013 EA 40' x 60' Pavilion Style Metal Shelter Structure.....	64,925.94	4,740.14

13 40 Integrated Construction <sup>(13)</sup>

13 47 Facility Protection <sup>(13 40)</sup>

**13 47 13 Cathodic Protection** <sup>(13 47)</sup>

**13 47 13 13 Cathodic Protection for Underground and Submerged Piping** <sup>(13 47 13)</sup>

13 47 13 13-0001 Anodes <sup>(13 47 13 13)</sup>

13 47 13 13-0002 Magnesium Type, Conventional <sup>(13 47 13 13-0001)</sup>

13 47 13 13-0003 EA 9 LB Magnesium Type Anodes.....	324.65	142.62
13 47 13 13-0004 EA 17 LB Magnesium Type Anodes.....	481.23	206.13
13 47 13 13-0005 EA 32 LB Magnesium Type Anode.....	655.70	265.18
13 47 13 13-0006 EA 48 LB Magnesium Type Anode.....	933.13	371.04

13 47 13 13-0007 Graphite Type <sup>(13 47 13 13-0001)</sup>

Note: Includes epoxy cap.

13 47 13 13-0008 EA 3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap.....	474.43	195.20
13 47 13 13-0009 EA 4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap.....	739.29	272.59
13 47 13 13-0010 EA 6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap.....	556.37	170.59
13 47 13 13-0011 EA 6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap.....	852.66	227.74

13 47 13 13-0012 Rectifiers <sup>(13 47 13 13)</sup>

13 47 13 13-0013 Air Cooled, Silicon Type <sup>(13 47 13 13-0012)</sup>

13 47 13 13-0014 EA Air Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type.....	1,707.04	277.23
13 47 13 13-0015 EA Air Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type.....	1,850.84	277.23

13 47 13 13-0016 Oil Immersed, Silicon Type <sup>(13 47 13 13-0012)</sup>

13 47 13 13-0017 EA Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type.....	2,591.59	320.55
13 47 13 13-0018 EA Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type.....	2,745.67	320.55

13 47 13 13-0019 Anode Backfill <sup>(13 47 13 13)</sup>

13 47 13 13-0020 LB Anode Backfill, Coke Breeze.....	0.92	0.35
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13 47 13 13-0021 Cathodic Protection Cable <sup>(13 47 13 13)</sup>

13 47 13 13-0022 MLF Cathodic Protection Cable, OR2 - No 8.....	1,724.53	682.35
13 47 13 13-0023 MLF Cathodic Protection Cable, OR2 - No 6.....	1,883.93	682.35
13 47 13 13-0024 MLF Cathodic Protection Cable, OR2 - No 4.....	2,123.04	682.35
13 47 13 13-0025 MLF Cathodic Protection Cable, OR2 - No 2.....	2,521.55	682.35
13 47 13 13-0026 MLF Cathodic Protection Cable, OR2 - No 1.....	3,095.00	751.81
13 47 13 13-0027 MLF Cathodic Protection Cable, OR2-No 1/0.....	3,393.88	751.81
13 47 13 13-0028 MLF Cathodic Protection Cable, OR2-No 2/0.....	3,892.02	751.81
13 47 13 13-0029 MLF Cathodic Protection Cable, OR2-No 4/0.....	5,222.37	819.52

13 47 13 13-0030 Cathodic Test Stations <sup>(13 47 13 13)</sup>

13 47 13 13-0031 Flush Curb Box Type With Lockable Cover And Terminal Box <sup>(13 47 13 13-0030)</sup>

13 47 13 13-0032 EA Cathodic Test Station, Flush Curb Type With Lockable Cover.....	243.91	79.89
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**13 47 13 16 Cathodic Protection for Underground Storage Tanks** <sup>(13 47 13)</sup>

See CSI section 13 47 13 13-0000 for cathodic protection for tanks.

13 48 Sound, Vibration, and Seismic Control <sup>(13 40)</sup>

**13 48 63 Fabricated Seismic Control Assemblies** <sup>(13 48)</sup>

13 48 63 00-0001 Seismic Restraints <sup>(13 48 63)</sup>

13 48 63 00-0002 EA 1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole.....	4.20	1.05
Note: Adhesive applied.		
For >500, Deduct		
13 48 63 00-0003 EA 1" x 1" Seismic Fastener, Gray, Adhesive Applied.....	3.16	0.52
For >500, Deduct		

**13 Special Construction**

**13 40 Integrated Construction**

**13 48 Sound, Vibration, and Seismic Control**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0004	EA		1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole ..... Note: Adhesive applied. For >500, Deduct	5.47 -0.81	1.31
13 48 63 00-0005	EA		1" x 2" Seismic Fastener, Gray, Adhesive Applied..... For >500, Deduct	4.02 -0.77	0.65
13 48 63 00-0006	EA		2" x 2" Seismic Fastener, Gray, Adhesive Applied..... For >500, Deduct	5.07 -1.00	0.76
13 48 63 00-0007	EA		2" x 3" Seismic Fastener, Gray, Adhesive Applied..... For >250, Deduct	8.38 -1.87	0.93
13 48 63 00-0008	LF		3/4" Wide Seismic Strap, Gray ..... For >1,000, Deduct	3.70 -0.61	0.79
13 48 63 00-0009	LF		1" Wide Seismic Strap, Gray..... For >1,000, Deduct	5.31 -1.07	0.79
13 48 63 00-0010	EA		3/4" Wide x 4" Long Seismic Strap, Gray ..... For >250, Deduct	1.84 -0.23	0.52
13 48 63 00-0011	EA		3/4" Wide x 12" Long Seismic Strap, Gray ..... For >250, Deduct	8.01 -1.39	1.57
13 48 63 00-0012	LF		Seismic Chord, Black ..... For >2,500, Deduct	2.34 -0.22	0.79
13 48 63 00-0013	LF		SAFELOK Seismic Fastener, Black ..... For >500, Deduct	3.01 -0.41	0.79
<b>13 48 63 00-0014 Seismic Bracing Assembly (13 48 63)</b>					
13 48 63 00-0015	EA		4-Bolt Deck Anchor Connection For Seismic Brace ..... Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.	153.24	
13 48 63 00-0016	EA		2 Cable Seismic Brace With Center Threaded Rod Stiffener ..... Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	136.36	
13 48 63 00-0017	EA		3 Cable Seismic Brace With Center Threaded Rod Stiffener ..... Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	204.10	
13 48 63 00-0018	EA		4 Cable Seismic Brace With Center Threaded Rod Stiffener ..... Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	263.90	
13 48 63 00-0019	EA		2 Channel Seismic Brace With Center Threaded Rod Stiffener ..... Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	260.07	
13 48 63 00-0020	EA		3 Channel Seismic Brace With Center Threaded Rod Stiffener ..... Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	385.70	
13 48 63 00-0021	EA		4 Channel Seismic Brace With Center Threaded Rod Stiffener ..... Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	511.33	
13 48 63 00-0022	EA		2 Rod Seismic Brace With Center Threaded Rod Stiffener ..... Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	169.26	
13 48 63 00-0023	EA		3 Rod Seismic Brace With Center Threaded Rod Stiffener ..... Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	249.48	
13 48 63 00-0024	EA		4 Rod Seismic Brace With Center Threaded Rod Stiffener ..... Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	329.71	
<b>13 48 63 00-0025 Seismic Brace Components (13 48 63)</b>					
13 48 63 00-0026	EA		1/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-1 ..... Note: To be used with 7x19 stranded cable.	25.67	
13 48 63 00-0027	EA		3/16" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-2 ..... Note: To be used with 7x19 stranded cable.	34.78	
13 48 63 00-0028	EA		1/4" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-3 ..... Note: To be used with 7x19 stranded cable.	45.72	
13 48 63 00-0029	EA		3/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-4 ..... Note: To be used with 7x19 stranded cable.	62.11	
13 48 63 00-0030	EA		Seismic Solid Brace Swivel Anchor; Mason SSB-1 ..... Note: To be used with angle or channel.	24.18	
13 48 63 00-0031	EA		Seismic Solid Brace Swivel Anchor; Mason SSB-2 ..... Note: To be used with angle or channel.	32.20	
13 48 63 00-0032	EA		Seismic Solid Brace Swivel Anchor; Mason SSB-3 ..... Note: To be used with angle or channel.	41.94	
13 48 63 00-0033	EA		Seismic Solid Brace Swivel Anchor; Mason SSB-4 ..... Note: To be used with angle or channel.	56.27	
13 48 63 00-0034	EA		1/8" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-1 ..... Note: To be used with 7x19 stranded cable.	29.05	
13 48 63 00-0035	EA		3/16" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-2 ..... Note: To be used with 7x19 stranded cable.	37.93	
13 48 63 00-0036	EA		1/4" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-3 ..... Note: To be used with 7x19 stranded cable.	52.26	
13 48 63 00-0037	EA		1/8" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-1 ..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	49.96	
13 48 63 00-0038	EA		3/16" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-2 ..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	69.73	
13 48 63 00-0039	EA		1/4" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-3 ..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	94.66	
13 48 63 00-0040	EA		Seismic Rod Clamp; Mason SRC-1 ..... Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	21.38	
13 48 63 00-0041	EA		Seismic Rod Clamp; Mason SRC-1 1/2 ..... Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	25.97	
13 48 63 00-0042	EA		Seismic Rod Clamp; Mason SRC-2 ..... Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	32.27	

**13 49 Radiation Protection (13 40)**

**13 49 13 Integrated X-Ray Shielding Assemblies (13 49)**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>13 49 13 00-0001</b>	<b>Lead Shielding</b> <small>(13 49 13)</small> See CSI section 09 29 10 00-0036 for finishing tasks.		
13 49 13 00-0002	SF 1/16" Sheet Lead Shielding.....	37.58	6.30
13 49 13 00-0003	SF 1/8" Sheet Lead Shielding.....	63.63	6.82
13 49 13 00-0004	SF 1/4" Sheet Lead Shielding.....	113.02	7.34
13 49 13 00-0005	SF 1/2" Sheet Lead Shielding.....	215.51	9.44

**13 49 16 Modular X-Ray Shielding Rooms** (13 49)

<b>13 49 16 00-0001</b>	<b>X-Ray Barriers, Modular</b> <small>(13 49 16)</small> Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.		
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<b>13 49 16 00-0002</b>	<b>36" Wide x 84" High, 1-Section Barrier, Modular X-Ray Barriers</b> <small>(13 49 16 00-0001)</small>		
13 49 16 00-0003	EA 0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High .....	5,536.12	147.02
13 49 16 00-0004	EA 0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High .....	5,872.15	147.02
13 49 16 00-0005	EA 1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High .....	6,065.37	176.43
13 49 16 00-0006	EA 1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High .....	6,468.61	176.43

<b>13 49 16 00-0007</b>	<b>72" Wide x 84" High, 2-Section Barrier, Modular X-Ray Barriers</b> <small>(13 49 16 00-0001)</small>		
13 49 16 00-0008	EA 0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	11,828.31	235.24
13 49 16 00-0009	EA 0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	12,298.75	235.24
13 49 16 00-0010	EA 1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	12,693.64	264.65
13 49 16 00-0011	EA 1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	13,693.28	294.04

<b>13 49 16 00-0012</b>	<b>108" Wide x 84" High, 3-Section Barrier, Modular X-Ray Barriers</b> <small>(13 49 16 00-0001)</small>		
13 49 16 00-0013	EA 0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	17,927.27	294.04
13 49 16 00-0014	EA 0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	18,800.95	294.04
13 49 16 00-0015	EA 1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	19,254.60	352.85
13 49 16 00-0016	EA 1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	20,657.43	382.26

<b>13 49 16 00-0017</b>	<b>X-Ray Barriers, Mobile</b> <small>(13 49 16)</small> Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.		
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<b>13 49 16 00-0018</b>	<b>30" Wide x 75" High, Mobile X-Ray Barriers</b> <small>(13 49 16 00-0017)</small> Note: Includes Framework		
13 49 16 00-0019	EA 24" H Upper With 0.5mm LE, 48" H Lower With 0.8mm LE Mobile X-Ray Barriers .....	3,748.77	26.21

<b>13 49 16 00-0020</b>	<b>48" Wide x 75" High, Mobile X-Ray Barriers</b> <small>(13 49 16 00-0017)</small> Note: Includes Framework		
13 49 16 00-0021	EA 36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers .....	6,638.63	26.21
13 49 16 00-0022	EA 36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers .....	7,982.75	26.21

<b>13 49 16 00-0023</b>	<b>72" Wide x 75" High, Mobile X-Ray Barriers</b> <small>(13 49 16 00-0017)</small> Note: Includes Framework		
13 49 16 00-0024	EA 36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers .....	7,848.34	26.21
13 49 16 00-0025	EA 36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers .....	9,931.73	26.21

**13 49 19 Lead-Lined Materials** (13 49)

**13 49 19 16 Lead-Lined Drywall** (13 49 19)

<b>13 49 19 16-0001</b>	<b>Lead Lined Drywall</b> <small>(13 49 19 16)</small> See CSI section 09 29 10 00-0036 for finishing tasks.		
13 49 19 16-0002	SF 1/32" Lead Lined 5/8" Fire Rated Drywall .....	20.32	1.37
13 49 19 16-0003	SF 1/16" Lead Lined 5/8" Fire Rated Drywall .....	35.75	1.64
13 49 19 16-0004	SF 1/8" Lead Lined 5/8" Fire Rated Drywall .....	65.23	1.98

**END OF SECTION 13**

**13 Special Construction**

13 40 Integrated Construction

13 49 Radiation Protection

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 14 Conveying Equipment

### 14 01 Operation and Maintenance of Conveying Equipment <sup>(14)</sup>

#### 14 01 20 Operation and Maintenance of Elevators <sup>(14 01)</sup>

##### 14 01 20 71 Elevator Rehabilitation <sup>(14 01 20)</sup>

##### 14 01 20 71-0001 Elevator Maintenance <sup>(14 01 20 71)</sup>

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	352.90	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	529.36	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	352.90	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	352.90	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	352.90	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	173.54	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	347.08	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	1,261.13	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	1,261.13	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	1,261.13	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	1,261.13	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	945.85	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	2,522.27	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	2,522.27	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	2,522.27	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	2,522.27	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,891.69	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	1,938.15	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	1,938.15	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	1,938.15	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	1,938.15	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	1,938.15	

##### 14 01 20 71-0024 Elevator Modernization <sup>(14 01 20 71)</sup>

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	27,734.62	7,815.40
		Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.		
		For Union-Guard Cathodic Protection, Add	7,147.72	
		Note: Includes Pump.		
		For An Additional Stop, Add	7,562.35	
		Note: Includes Removal.		
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	31,335.85	9,443.61
		Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.		
		For Union-Guard Cathodic Protection, Add	7,212.66	
		Note: Includes Pump.		
		For An Additional Stop, Add	7,945.35	
		Note: Includes Removal.		
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	41,383.78	13,025.67
		Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.		
		For Union-Guard Cathodic Protection, Add	8,251.62	
		Note: Includes Pump.		
		For An Additional Stop, Add	9,808.35	
		Note: Includes Removal.		
14 01 20 71-0028	EA	Removal And Replacement Of Multi-Port Controller Valve	4,549.93	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	41.23	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	408.77	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four	3,296.71	651.28
		Note: Includes cover plate.		
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four	2,875.93	651.28
		Note: Includes cover plate.		
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish	6,675.19	
		Note: Excludes buildback.		
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish	7,194.67	
		Note: Excludes buildback.		
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish	7,008.96	
		Note: Excludes buildback.		
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish	7,528.44	
		Note: Excludes buildback.		
14 01 20 71-0037	SF	Cab Flooring, Epoxy Aggregate	75.32	18.61
		Note: SF cost not applicable for partial cab flooring.		
14 01 20 71-0038	SF	Cab Flooring, Aluminum Diamond Plate	66.10	18.61
		Note: SF cost not applicable for partial cab flooring.		
14 01 20 71-0039	EA	Solid State Starting (Soft Start)	5,200.60	651.28
14 01 20 71-0040	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings)	18,860.15	3,256.42
14 01 20 71-0041	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL)	2,120.08	651.28
14 01 20 71-0042	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL)	424.34	325.64
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	384.08	325.64
14 01 20 71-0044	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL)	512.65	325.64
14 01 20 71-0045	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL)	2,323.98	651.28
14 01 20 71-0046	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL)	523.04	325.64
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL)	384.08	325.64
14 01 20 71-0048	EA	Hoistway Door Interlock Set, Single Speed Center Opening (GAL)	604.86	325.64
14 01 20 71-0049	EA	Fire Service Key Switch Controller	3,135.67	651.28
14 01 20 71-0050	EA	ADA Telephone (Rath Microtech)	1,502.89	325.64
14 01 20 71-0051	EA	Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL)	6,985.62	1,302.56

**14 Conveying Equipment****14 01 Operation and Maintenance of Conveying Equipment****14 01 20 Operation and Maintenance of Elevators**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0052	EA		Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL).....	7,154.45	1,302.56
14 01 20 71-0053	EA		Car Door Safety Edge (Infrared Proximity Type Edge) .....	1,556.14	325.64
14 01 20 71-0054	EA		Car Operating Panel (ADA, Fire, Position, Chime).....	7,024.58	1,302.56
14 01 20 71-0055	EA		Car Position LED Indicator And Cover Plate, Stainless Steel .....	1,950.94	325.64
14 01 20 71-0056	EA		Car Traveling Lanterns With Audible Signal.....	1,366.53	325.64
14 01 20 71-0057	EA		Hoistway Door Jamb Floor Tags (Braille).....	209.58	162.83
14 01 20 71-0058	EA		Lobby Vandal Resistant Call Station .....	1,301.60	325.64
14 01 20 71-0059	LF		Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial)..... Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0060 for Removal and Replacement of Traveling Cable.	15.01	
14 01 20 71-0060	EA		Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) .....	5,210.26	2,605.14
14 01 20 71-0061	LF		Governor Cable..... Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.	1.17	
14 01 20 71-0062	EA		Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels) .....	4,551.25	651.28
14 01 20 71-0063	EA		Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels).....	6,888.91	651.28
14 01 20 71-0064	EA		Removal And Replacement Of Governor .....	4,317.48	651.28
14 01 20 71-0065	EA		Removal And Replacement Of Car Station.....	7,024.58	1,302.56
14 01 20 71-0066	EA		Removal And Replacement Of Telephone.....	1,502.89	325.64
14 01 20 71-0067	EA		Removal And Replacement Of Lanterns (Hall) .....	1,431.46	325.64
14 01 20 71-0068	EA		Hall Call Buttons, Vandal Resistant.....	1,236.66	325.64
14 01 20 71-0069	EA		Hall Traveling Lanterns With Audible Signal .....	1,431.46	325.64
14 01 20 71-0070	EA		Add Raised Character (Braille) Signage To Control Panel.....	178.02	162.83
14 01 20 71-0071	EA		New Microprocessor Based Controller (Non-Proprietary) .....	32,490.70	5,210.26
14 01 20 71-0072	EA		New Steel Shell And Canopy (Plastic Panels Not Included), For 5' x 7' Cab .....	20,802.40	5,210.26
14 01 20 71-0073	EA		New Steel Shell, Canopy And Platform (Plastic Laminate Not Included), For 5' x 7' Cab .....	32,506.17	5,210.26
14 01 20 71-0074	EA		Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Baked Enamel.....	2,733.07	
14 01 20 71-0075	EA		Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Baked Enamel .....	2,862.94	
14 01 20 71-0076	EA		Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Stainless Steel .....	3,005.80	
14 01 20 71-0077	EA		Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Stainless Steel .....	3,161.64	
14 01 20 71-0078	EA		Elevator Pit Ladder, Steel .....	1,626.27	325.64
14 01 20 71-0079	EA		New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab.....	40,306.09	5,210.26
14 01 20 71-0080	LF		Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5..... Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	131.43	
14 01 20 71-0081	LF		Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7..... Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	131.88	
14 01 20 71-0082	LF		Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4..... Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	132.30	
14 01 20 71-0083	EA		Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP).....	7,185.01	651.28
14 01 20 71-0084	EA		6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) .....	3,122.68	651.28
14 01 20 71-0085	EA		8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) .....	3,187.61	651.28
14 01 20 71-0086	EA		10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) .....	3,252.55	651.28
14 01 20 71-0087	EA		12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) .....	3,330.47	651.28
14 01 20 71-0088	EA		"Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable .....	6,499.30	651.28
14 01 20 71-0089	EA		"Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable.....	6,499.30	651.28
14 01 20 71-0090	EA		"Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable.....	9,096.70	651.28
14 01 20 71-0091	EA		"Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable.....	10,395.40	651.28
14 01 20 71-0092	EA		60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock .....	3,203.45	165.17
14 01 20 71-0093	EA		100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock .....	3,370.65	198.20
14 01 20 71-0094	EA		200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock .....	4,469.69	231.23
14 01 20 71-0095	EA		Aluminum Handrail Spacers With Set Screw .....	189.80	162.83
14 01 20 71-0096	EA		Bronze Handrail Spacers With Set Screw.....	193.40	162.83
14 01 20 71-0097	LF		1/2" x 2" Round Stainless Steel Elevator Handrail .....	124.02	38.31
14 01 20 71-0098	LF		3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish .....	119.79	38.31
14 01 20 71-0099	LF		3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish .....	139.58	38.31
14 01 20 71-0100	LF		3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish .....	152.98	38.31
14 01 20 71-0101	LF		3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish .....	172.93	38.31
14 01 20 71-0102	LF		3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish.....	142.07	38.31
14 01 20 71-0103	LF		3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish.....	159.68	38.31
14 01 20 71-0104	LF		3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish.....	240.49	38.31
14 01 20 71-0105	LF		3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish.....	268.44	38.31
14 01 20 71-0106	LF		3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish .....	119.11	38.31
14 01 20 71-0107	LF		3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish .....	120.19	38.31
14 01 20 71-0108	LF		3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish .....	149.45	38.31
14 01 20 71-0109	LF		3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish .....	140.83	38.31
14 01 20 71-0110	LF		3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish .....	150.02	38.31
14 01 20 71-0111	LF		3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish .....	184.32	38.31
14 01 20 71-0112	LF		3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish .....	145.19	38.31
14 01 20 71-0113	LF		3/8" x 2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish .....	148.15	38.31
14 01 20 71-0114	LF		3/8" x 2-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish .....	238.39	38.31
14 01 20 71-0115	LF		3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Mirror Finish .....	161.40	38.31
14 01 20 71-0116	LF		3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish.....	238.96	38.31
14 01 20 71-0117	LF		3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish .....	268.44	38.31

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

14 20 Elevators <sup>(14)</sup>

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators <sup>(14 20)</sup>

14 21 13 Electric Traction Freight Elevators <sup>(14 21)</sup>

14 21 13 00-0001 Electric Traction Freight Elevators <sup>(14 21 13)</sup>

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002	EA Electric Traction Freight Elevator, 4,000 LB x 200 FPM.....	393,876.90
	For Each Opening With Bonderized Steel Door, Add	200.00
	For Each Opening With Stainless Steel Doors, Add	500.00
	For Each Opening With Two Speed Doors, Add	500.00
	For Custom Plastic Laminated Cab Interiors, Add	4,000.00
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00
	For Stainless Steel Cab Interior, Add	8,000.00
	For Elevator With Manual Door, Deduct	-10,000.00
	For Class "C-1" Loading, Add	1,666.00
	For Class "C-2" Loading, Add	2,000.00
	For Class "C-3" Loading, Add	2,736.00
	For Removal Of Existing Stop, Add	7,922.50
	For Each Additional Stop, Add	33,810.44
	For Each Floor < 6 Stops, Deduct	-28,854.65
	For Each Additional 50 FPM, Add	6,000.00
	For Removal Of Existing Elevator, Add	39,612.46
14 21 13 00-0003	EA Electric Traction Freight Elevator, 5,000 LB x 200 FPM.....	420,826.23
	For Each Opening With Bonderized Steel Door, Add	200.00
	For Each Opening With Stainless Steel Doors, Add	500.00
	For Each Opening With Two Speed Doors, Add	500.00
	For Custom Plastic Laminated Cab Interiors, Add	4,000.00
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00
	For Stainless Steel Cab Interior, Add	8,000.00
	For Elevator With Manual Door, Deduct	-10,000.00
	For Class "C-1" Loading, Add	1,666.00
	For Class "C-2" Loading, Add	2,000.00
	For Class "C-3" Loading, Add	2,736.00
	For Removal Of Existing Stop, Add	7,922.50
	For Each Additional Stop, Add	33,810.44
	For Each Floor < 6 Stops, Deduct	-28,854.65
	For Each Additional 50 FPM, Add	6,000.00
	For Removal Of Existing Elevator, Add	39,612.46
14 21 13 00-0004	EA Electric Traction Freight Elevator, 6,000 LB x 200 FPM.....	447,775.55
	For Elevator With Manual Door, Deduct	-10,000.00
	For Class "C-1" Loading, Add	3,332.00
	For Class "C-2" Loading, Add	4,000.00
	For Class "C-3" Loading, Add	5,544.00
	For Custom Plastic Laminated Cab Interiors, Add	5,000.00
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00
	For Stainless Steel Cab Interior, Add	9,000.00
	For Removal Of Existing Stop, Add	7,922.50
	For Each Additional Stop, Add	34,806.24
	For Each Additional 50 FPM, Add	6,000.00
	For Each Opening With Bonderized Steel Door, Add	300.00
	For Each Opening With Stainless Steel Doors, Add	600.00
	For Each Opening With Two Speed Doors, Add	700.00
	For Removal Of Existing Elevator, Add	39,612.46
	For Each Floor < 6 Stops, Deduct	-29,854.65
14 21 13 00-0005	EA Electric Traction Freight Elevator, 7,000 LB x 200 FPM.....	461,965.08
	For Elevator With Manual Door, Deduct	-10,000.00
	For Class "C-1" Loading, Add	3,332.00
	For Class "C-2" Loading, Add	4,000.00
	For Class "C-3" Loading, Add	5,544.00
	For Custom Plastic Laminated Cab Interiors, Add	5,000.00
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00
	For Stainless Steel Cab Interior, Add	9,000.00
	For Removal Of Existing Stop, Add	7,922.50
	For Each Additional Stop, Add	34,806.24
	For Each Additional 50 FPM, Add	6,000.00
	For Each Opening With Bonderized Steel Door, Add	300.00
	For Each Opening With Stainless Steel Doors, Add	600.00
	For Each Opening With Two Speed Doors, Add	700.00
	For Removal Of Existing Elevator, Add	39,612.46
	For Each Floor < 6 Stops, Deduct	-29,854.65
14 21 13 00-0006	EA Electric Traction Freight Elevator, 8,000 LB x 200 FPM.....	476,154.01
	For Elevator With Manual Door, Deduct	-10,000.00
	For Each Additional 50 FPM, Add	10,000.00
	For Class "C-1" Loading, Add	6,666.00
	For Class "C-2" Loading, Add	8,000.00
	For Class "C-3" Loading, Add	10,944.00
	For Removal Of Existing Stop, Add	7,922.50
	For Each Additional Stop, Add	34,806.24
	For Each Opening With Bonderized Steel Door, Add	400.00
	For Each Opening With Stainless Steel Doors, Add	700.00
	For Each Opening With Two Speed Doors, Add	800.00
	For Custom Plastic Laminated Cab Interiors, Add	6,000.00
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,000.00
	For Stainless Steel Cab Interior, Add	10,000.00
	For Removal Of Existing Elevator, Add	39,612.46
	For Each Floor < 6 Stops, Deduct	-29,854.65

**14 Conveying Equipment****14 20 Elevators****14 21 Electric Traction Elevators**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 21 13 00-0007	EA		Electric Traction Freight Elevator, 10,000 LB x 200 FPM.....	492,927.81	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional 50 FPM, Add</i>	10,000.00	
			<i>For Class "C-1" Loading, Add</i>	6,666.00	
			<i>For Class "C-2" Loading, Add</i>	8,000.00	
			<i>For Class "C-3" Loading, Add</i>	10,944.00	
			<i>For Removal Of Existing Stop, Add</i>	7,922.50	
			<i>For Each Additional Stop, Add</i>	34,806.24	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	400.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	700.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	800.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	6,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	8,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	10,000.00	
			<i>For Removal Of Existing Elevator, Add</i>	39,612.46	
			<i>For Each Floor &lt; 6 Stops, Deduct</i>	-29,854.65	
14 21 13 00-0008	EA		Electric Traction Freight Elevator, 12,000 LB x 200 FPM.....	506,584.20	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional 50 FPM, Add</i>	10,000.00	
			<i>For Class "C-1" Loading, Add</i>	6,666.00	
			<i>For Class "C-2" Loading, Add</i>	8,000.00	
			<i>For Class "C-3" Loading, Add</i>	10,944.00	
			<i>For Removal Of Existing Stop, Add</i>	7,922.50	
			<i>For Each Additional Stop, Add</i>	34,806.24	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	400.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	700.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	800.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	6,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	8,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	10,000.00	
			<i>For Removal Of Existing Elevator, Add</i>	39,612.46	
			<i>For Each Floor &lt; 6 Stops, Deduct</i>	-29,854.65	

**14 21 23 Electric Traction Passenger Elevators (14 21)****14 21 23 13 Machine Room Electric Traction Passenger Elevators (14 21 23)****14 21 23 13-0001 Electric Traction Passenger Elevators (14 21 23 13)**

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 21 23 13-0002	EA		Electric Traction Passenger Elevator, 2,000 LB x 200 FPM.....	309,946.24	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Each Additional 50 FPM, Add</i>	1,000.00	
			<i>For Removal Of Existing Stop, Add</i>	3,962.08	
			<i>For Each Additional Stop, Add</i>	33,810.44	
			<i>For Each Floor &lt; 6 Stops, Deduct</i>	-19,905.20	
			<i>For Removal Of Existing Elevator, Add</i>	29,715.68	
14 21 23 13-0003	EA		Electric Traction Passenger Elevator, 2,500 LB x 200 FPM.....	318,040.72	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Each Additional 50 FPM, Add</i>	1,000.00	
			<i>For Removal Of Existing Stop, Add</i>	3,962.08	
			<i>For Each Additional Stop, Add</i>	33,810.44	
			<i>For Each Floor &lt; 6 Stops, Deduct</i>	-19,905.20	
			<i>For Removal Of Existing Elevator, Add</i>	29,715.68	
14 21 23 13-0004	EA		Electric Traction Passenger Elevator, 3,000 LB x 200 FPM.....	324,917.01	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Each Additional 50 FPM, Add</i>	1,000.00	
			<i>For Removal Of Existing Stop, Add</i>	3,962.08	
			<i>For Each Additional Stop, Add</i>	33,810.44	
			<i>For Each Floor &lt; 6 Stops, Deduct</i>	-19,905.20	
			<i>For Removal Of Existing Elevator, Add</i>	29,715.68	
14 21 23 13-0005	EA		Electric Traction Passenger Elevator, 3,500 LB x 200 FPM.....	326,784.54	
			<i>For Each Opening Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Each Additional 50 FPM, Add</i>	1,000.00	
			<i>For Removal Of Existing Stop, Add</i>	3,962.08	
			<i>For Each Additional Stop, Add</i>	33,810.44	
			<i>For Each Floor &lt; 6 Stops, Deduct</i>	-19,905.20	
			<i>For Removal Of Existing Elevator, Add</i>	29,715.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0006 EA Electric Traction Passenger Elevator, 4,000 LB x 200 FPM.....	333,137.51	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	1,000.00	
For Removal Of Existing Stop, Add	3,962.08	
For Each Additional Stop, Add	33,810.44	
For Each Floor < 6 Stops, Deduct	-19,905.20	
For Removal Of Existing Elevator, Add	29,715.68	
14 21 23 13-0007 EA Electric Traction Passenger Elevator, 4,500 LB x 200 FPM.....	339,087.93	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	1,000.00	
For Removal Of Existing Stop, Add	3,962.08	
For Each Additional Stop, Add	33,810.44	
For Each Floor < 6 Stops, Deduct	-19,905.20	
For Removal Of Existing Elevator, Add	29,715.68	
14 21 23 13-0008 EA Electric Traction Passenger Elevator, 5,000 LB x 200 FPM.....	345,234.30	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	1,000.00	
For Removal Of Existing Stop, Add	3,962.08	
For Each Additional Stop, Add	33,810.44	
For Each Floor < 6 Stops, Deduct	-19,905.20	
For Removal Of Existing Elevator, Add	29,715.68	

**14 24 Hydraulic Elevators <sup>(14 20)</sup>**

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

**14 24 13 Hydraulic Freight Elevators <sup>(14 24)</sup>**

**14 24 13 00-0001 Hydraulic Freight Elevators <sup>(14 24 13)</sup>**

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

14 24 13 00-0002 EA Hydraulic Freight Elevator, 3,000 LB x 50 FPM .....	177,857.31	
For Each Additional Stop, Add	19,941.62	
For 2 Stops, Deduct	-15,465.91	
Note: Would be holeless hydraulic at 2 stops.		
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Each Opening With Two Speed Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	2,000.00	
For Elevator With Manual Door, Deduct	-10,000.00	
For Class "C-1" Loading, Add	1,666.00	
For Class "C-2" Loading, Add	2,000.00	
For Class "C-3" Loading, Add	2,736.00	
For Well Hole Drilling (12" Diameter Hole), Add	170.00	
Note: Includes Labor and Equipment.		
For 12" Steel Liner, Add	90.00	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Removal Of Existing Stop, Add	7,922.50	
14 24 13 00-0003 EA Hydraulic Freight Elevator, 3,500 LB x 50 FPM .....	183,520.81	
For Each Additional Stop, Add	19,941.62	
For 2 Stops, Deduct	-15,465.91	
Note: Would be holeless hydraulic at 2 stops.		
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Each Opening With Two Speed Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	2,000.00	
For Elevator With Manual Door, Deduct	-10,000.00	
For Class "C-1" Loading, Add	1,666.00	
For Class "C-2" Loading, Add	2,000.00	
For Class "C-3" Loading, Add	2,736.00	
For Well Hole Drilling (12" Diameter Hole), Add	170.00	
Note: Includes Labor and Equipment.		
For 12" Steel Liner, Add	90.00	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Removal Of Existing Stop, Add	7,922.50	

**14 Conveying Equipment**

**14 20 Elevators**

**14 24 Hydraulic Elevators**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
14 24 13 00-0004	EA Hydraulic Freight Elevator, 4,000 LB x 50 FPM .....	189,632.95	
	For Each Additional Stop, Add	19,941.62	
	For 2 Stops, Deduct	-15,465.91	
	Note: Would be holeless hydraulic at 2 stops.		
	For Each Opening With Bonderized Steel Door, Add	200.00	
	For Each Opening With Stainless Steel Doors, Add	500.00	
	For Each Opening With Two Speed Doors, Add	500.00	
	For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
	For Stainless Steel Cab Interior, Add	8,000.00	
	For Each Additional 50 FPM, Add	2,000.00	
	For Elevator With Manual Door, Deduct	-10,000.00	
	For Class "C-1" Loading, Add	1,666.00	
	For Class "C-2" Loading, Add	2,000.00	
	For Class "C-3" Loading, Add	2,736.00	
	For Well Hole Drilling (12" Diameter Hole), Add	170.00	
	Note: Includes Labor and Equipment.		
	For 12" Steel Liner, Add	90.00	
	Note: Liner for Hydraulic Elevator Well Hole if necessary.		
	For Removal Of Existing Stop, Add	7,922.50	
14 24 13 00-0005	EA Hydraulic Freight Elevator, 5,000 LB x 50 FPM .....	194,091.35	
	For Each Opening With Bonderized Steel Door, Add	200.00	
	For Each Opening With Stainless Steel Doors, Add	500.00	
	For Each Opening With Two Speed Doors, Add	500.00	
	For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
	For Stainless Steel Cab Interior, Add	8,000.00	
	For Each Additional 50 FPM, Add	2,000.00	
	For Elevator With Manual Door, Deduct	-10,000.00	
	For Each Additional Stop, Add	20,941.62	
	For 2 Stops, Deduct	-16,465.91	
	Note: Would be holeless hydraulic at 2 stops.		
	For Class "C-1" Loading, Add	3,332.00	
	For Class "C-2" Loading, Add	4,000.00	
	For Class "C-3" Loading, Add	5,544.00	
	For Well Hole Drilling (12" Diameter Hole), Add	170.00	
	Note: Includes Labor and Equipment.		
	For 12" Steel Liner, Add	90.00	
	Note: Liner for Hydraulic Elevator Well Hole if necessary.		
	For Removal Of Existing Stop, Add	7,922.50	
14 24 13 00-0006	EA Hydraulic Freight Elevator, 6,000 LB x 50 FPM .....	204,990.35	
	For Each Opening With Bonderized Steel Door, Add	200.00	
	For Each Opening With Stainless Steel Doors, Add	500.00	
	For Each Opening With Two Speed Doors, Add	500.00	
	For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
	For Stainless Steel Cab Interior, Add	8,000.00	
	For Elevator With Manual Door, Deduct	-10,000.00	
	For Each Additional Stop, Add	20,941.62	
	For 2 Stops, Deduct	-16,465.91	
	Note: Would be holeless hydraulic at 2 stops.		
	For Each Additional 50 FPM, Add	10,000.00	
	For Class "C-1" Loading, Add	6,666.00	
	For Class "C-2" Loading, Add	8,000.00	
	For Class "C-3" Loading, Add	10,944.00	
	For Well Hole Drilling (12" Diameter Hole), Add	170.00	
	Note: Includes Labor and Equipment.		
	For 12" Steel Liner, Add	90.00	
	Note: Liner for Hydraulic Elevator Well Hole if necessary.		
	For Removal Of Existing Stop, Add	7,922.50	
14 24 13 00-0007	EA Hydraulic Freight Elevator, 7,000 LB x 50 FPM .....	210,216.87	
	For Each Opening With Bonderized Steel Door, Add	200.00	
	For Each Opening With Stainless Steel Doors, Add	500.00	
	For Each Opening With Two Speed Doors, Add	500.00	
	For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
	For Stainless Steel Cab Interior, Add	8,000.00	
	For Elevator With Manual Door, Deduct	-10,000.00	
	For Each Additional Stop, Add	20,941.62	
	For 2 Stops, Deduct	-16,465.91	
	Note: Would be holeless hydraulic at 2 stops.		
	For Each Additional 50 FPM, Add	10,000.00	
	For Class "C-1" Loading, Add	6,666.00	
	For Class "C-2" Loading, Add	8,000.00	
	For Class "C-3" Loading, Add	10,944.00	
	For Well Hole Drilling (12" Diameter Hole), Add	170.00	
	Note: Includes Labor and Equipment.		
	For 12" Steel Liner, Add	90.00	
	Note: Liner for Hydraulic Elevator Well Hole if necessary.		
	For Removal Of Existing Stop, Add	7,922.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24	13 00-0008	EA	Hydraulic Freight Elevator, 8,000 LB x 50 FPM .....	218,118.53	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	20,941.62	
			For 2 Stops, Deduct	-16,465.91	
			Note: Would be holeless hydraulic at 2 stops.		
			For Custom Plastic Laminated Cab Interiors, Add	5,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00	
			For Stainless Steel Cab Interior, Add	9,000.00	
			For Each Additional 50 FPM, Add	11,000.00	
			For Class "C-1" Loading, Add	8,330.00	
			For Class "C-2" Loading, Add	10,000.00	
			For Class "C-3" Loading, Add	13,680.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	7,922.50	
14 24	13 00-0009	EA	Hydraulic Freight Elevator, 10,000 LB x 50 FPM .....	223,846.05	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	20,941.62	
			For 2 Stops, Deduct	-16,465.91	
			Note: Would be holeless hydraulic at 2 stops.		
			For Custom Plastic Laminated Cab Interiors, Add	5,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00	
			For Stainless Steel Cab Interior, Add	9,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	7,922.50	
			For Each Additional 50 FPM, Add	12,000.00	
			For Class "C-1" Loading, Add	11,079.00	
			For Class "C-2" Loading, Add	13,300.00	
			For Class "C-3" Loading, Add	18,194.00	
14 24	13 00-0010	EA	Hydraulic Freight Elevator, 12,000 LB x 50 FPM .....	233,641.97	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	20,941.62	
			For 2 Stops, Deduct	-16,465.91	
			Note: Would be holeless hydraulic at 2 stops.		
			For Custom Plastic Laminated Cab Interiors, Add	5,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00	
			For Stainless Steel Cab Interior, Add	9,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	7,922.50	
			For Each Additional 50 FPM, Add	12,000.00	
			For Class "C-1" Loading, Add	11,079.00	
			For Class "C-2" Loading, Add	13,300.00	
			For Class "C-3" Loading, Add	18,194.00	
14 24	13 00-0011		Hydraulic Elevators Piston Drilling <sup>(14 24 13)</sup> .....		
14 24	13 00-0012	VLF	Up To 6" Diameter Piston Drilling.....	78.23	
			Note: Includes casing.		
14 24	13 00-0013	VLF	8" To 10" Diameter Piston Drilling.....	93.04	
			Note: Includes casing.		
14 24 23	00-0001		Hydraulic Passenger Elevators <sup>(14 24 23)</sup> .....		
14 24 23	00-0001		Hydraulic Passenger Elevators <sup>(14 24 23)</sup> .....		
			Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.		
14 24 23	00-0002	EA	Hydraulic Passenger Elevator, 2,100 LB x 100 FPM .....	124,353.37	
			For Each Additional Stop, Add	19,941.62	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	1,000.00	
			For Removal Of Existing Elevator, Add	19,806.24	
			For Removal Of Existing Stop, Add	3,962.08	
			For 2 Stops, Deduct	-10,000.00	
			Note: Would be holeless hydraulic at 2 stops.		

**14 Conveying Equipment****14 20 Elevators****14 24 Hydraulic Elevators**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0003	EA		Hydraulic Passenger Elevator, 2,500 LB x 100 FPM .....	126,582.57	
			For Each Additional Stop, Add	19,941.62	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	1,000.00	
			For Removal Of Existing Elevator, Add	19,806.24	
			For Removal Of Existing Stop, Add	3,962.08	
			For 2 Stops, Deduct	-10,000.00	
			Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0004	EA		Hydraulic Passenger Elevator, 3,000 LB x 100 FPM .....	128,115.15	
			For Each Additional Stop, Add	19,941.62	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	1,000.00	
			For Removal Of Existing Elevator, Add	19,806.24	
			For Removal Of Existing Stop, Add	3,962.08	
			For 2 Stops, Deduct	-10,000.00	
			Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0005	EA		Hydraulic Passenger Elevator, 3,500 LB x 100 FPM .....	134,137.76	
			For Each Additional Stop, Add	19,941.62	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	1,000.00	
			For Removal Of Existing Elevator, Add	19,806.24	
			For Removal Of Existing Stop, Add	3,962.08	
			For 2 Stops, Deduct	-10,000.00	
			Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0006	EA		Hydraulic Passenger Elevator, 4,000 LB x 100 FPM .....	136,608.74	
			For Each Additional Stop, Add	19,941.62	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	1,000.00	
			For Removal Of Existing Elevator, Add	19,806.24	
			For Removal Of Existing Stop, Add	3,962.08	
			For 2 Stops, Deduct	-10,000.00	
			Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0007	EA		Hydraulic Passenger Elevator, 4,500 LB x 100 FPM .....	139,868.95	
			For Each Additional Stop, Add	19,941.62	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	1,000.00	
			For Removal Of Existing Elevator, Add	19,806.24	
			For Removal Of Existing Stop, Add	3,962.08	
			For 2 Stops, Deduct	-10,000.00	
			Note: Would be holeless hydraulic at 2 stops.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 24 23 00-0008	EA		Hydraulic Passenger Elevator, 5,000 LB x 100 FPM .....	143,303.10	
			<i>For Each Additional Stop, Add</i>	19,941.62	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" Steel Liner, Add</i>	90.00	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Each Additional 50 FPM, Add</i>	1,000.00	
			<i>For Removal Of Existing Elevator, Add</i>	19,806.24	
			<i>For Removal Of Existing Stop, Add</i>	3,962.08	
			<i>For 2 Stops, Deduct</i>	-10,000.00	
			<i>Note: Would be holeless hydraulic at 2 stops.</i>		

14 24 23 00-0009 Twin Jack Holeless Hydraulic Passenger Elevator (14 24 23)

Note: Baked enamel shaft doors and plastic laminated trimmed cab. Excludes flooring, shaft construction/alterations, pit or mechanical room construction. Connect to established utilities.

14 24 23 00-0010	EA		Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 3 Stops, 3 Openings.....	69,192.85	8,987.17
14 24 23 00-0011	EA		Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 2 Stops, 2 Openings.....	52,604.12	7,678.61

14 26 Limited-Use/Limited-Application Elevators (14 20)

14 26 00 00-0001 Small Elevators (LULA) (14 26)

14 26 00 00-0002	EA		Small Elevators (LULA), 1,400 LB x 30 FPM .....	69,736.31	
			<i>Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.</i>		
			<i>For Each Additional Stop, Add</i>	16,941.86	
			<i>For Removal Of Existing Elevator, Add</i>	5,941.86	

14 40 Lifts (14)

14 42 Wheelchair Lifts (14 40)

14 42 13 Inclined Wheelchair Lifts (14 42)

14 42 13 00-0001 Chair Lift-Stair Climber (14 42 13)

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002	EA		Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity .....	4,977.39	540.03
			<i>Note: Includes top and bottom call button, safety chair, track, and power unit.</i>		

14 42 16 Vertical Wheelchair Lifts (14 42)

14 42 16 00-0001 Wheelchair Lift (Shorty) (14 42 16)

14 42 16 00-0002	EA		36" Vertical Travel Wheelchair Platform Scissor Lift .....	8,310.32	360.02
			<i>Note: 1000 LB capacity. Includes handrails and manual ramp.</i>		
			<i>For Accordion Safety Skirt, Add</i>	998.00	
			<i>For Removable Handrails, Add</i>	100.00	
			<i>For Power Operated Ramp, Add</i>	885.00	
14 42 16 00-0003	EA		42" Vertical Travel Wheelchair Platform Scissor Lift .....	8,790.35	480.02
			<i>Note: 1000 LB capacity. Includes handrails and manual ramp.</i>		
			<i>For 2,000 LB Capacity, Add</i>	600.00	
			<i>For 3,000 LB Capacity, Add</i>	1,000.00	
			<i>For 4,000 LB Capacity, Add</i>	1,500.00	
			<i>For Accordion Safety Skirt, Add</i>	998.00	
			<i>For Removable Handrails, Add</i>	100.00	
			<i>For Power Operated Ramp, Add</i>	885.00	
14 42 16 00-0004	EA		70" Vertical Travel Wheelchair Platform Scissor Lift .....	11,824.37	600.03
			<i>Note: 1000 LB capacity. Includes handrails and manual ramp.</i>		
			<i>For 2,000 LB Capacity, Add</i>	600.00	
			<i>For 3,000 LB Capacity, Add</i>	1,000.00	
			<i>For 4,000 LB Capacity, Add</i>	1,500.00	
			<i>For Accordion Safety Skirt, Add</i>	998.00	
			<i>For Removable Handrails, Add</i>	100.00	
			<i>For Power Operated Ramp, Add</i>	885.00	
14 42 16 00-0005	EA		84" Vertical Travel Wheelchair Platform Scissor Lift .....	13,101.37	600.03
			<i>Note: 1000 LB capacity. Includes handrails and manual ramp.</i>		
			<i>For 2,000 LB Capacity, Add</i>	600.00	
			<i>For 3,000 LB Capacity, Add</i>	1,000.00	
			<i>For 4,000 LB Capacity, Add</i>	1,500.00	
			<i>For Accordion Safety Skirt, Add</i>	998.00	
			<i>For Removable Handrails, Add</i>	100.00	
			<i>For Power Operated Ramp, Add</i>	885.00	
14 42 16 00-0006	EA		18' Travel Wheelchair Incline Lift .....	15,036.03	600.03
			<i>Note: 500 LB capacity, interior installation.</i>		

14 90 Other Conveying Equipment (14)

14 91 Facility Chutes (14 90)

14 91 82 Trash Chutes (14 91)

**14 Conveying Equipment**  
**14 90 Other Conveying Equipment**  
**14 91 Facility Chutes**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 91 82 00-0001			Trash Chutes <small>(14 91 82)</small>		
14 91 82 00-0002	LF		18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports .....	28.42	5.22
			For Aluminum, Add	1.85	
			For Stainless Steel, Add	6.46	
14 91 82 00-0003	LF		24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports .....	35.82	5.22
			For Aluminum, Add	2.50	
			For Stainless Steel, Add	8.74	
14 91 82 00-0004	LF		30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports .....	39.41	6.52
			For Aluminum, Add	2.77	
			For Stainless Steel, Add	9.69	
14 91 82 00-0005	LF		36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports .....	58.32	6.52
			For Aluminum, Add	4.56	
			For Stainless Steel, Add	15.96	
14 91 82 00-0006	EA		Trash Chutes, Hopper.....	560.88	36.52
			For Aluminum, Add	48.74	
			For Stainless Steel, Add	170.59	
14 91 82 00-0007	EA		Trash Chutes, Skylight.....	313.31	71.73
			For Aluminum, Add	16.95	
			For Stainless Steel, Add	59.34	
14 91 82 00-0008	EA		Trash Chutes, Sprinkler Unit At Top.....	239.52	78.24
			For Aluminum, Add	7.42	
			For Stainless Steel, Add	25.96	
14 91 82 00-0009	EA		Trash Chutes, Sprinkler Unit At Intake Hopper .....	67.84	27.38
			For Aluminum, Add	1.27	
			For Stainless Steel, Add	4.45	
14 91 82 00-0010	EA		Refuse Type Bottom Storage Hopper Unit.....	520.32	97.81
			For Aluminum, Add	31.36	
			For Stainless Steel, Add	109.77	
14 91 82 00-0011	EA		Hopper Doors.....	1,054.99	59.88

END OF SECTION 14

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 21 Fire Suppression

### 21 01 Operation and Maintenance of Fire Suppression <sup>(21)</sup>

#### 21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems <sup>(21 01)</sup>

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

##### 21 01 10 91 Water-Based Fire-Suppression Systems Restoration <sup>(21 01 10)</sup>

<b>21 01 10 91-0001</b>		<b>Relocate Sprinkler Head And Branch Piping</b> <sup>(21 01 10 91)</sup>		
		Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.		
21 01 10 91-0002	EA	Relocate Existing Sprinkler Head And Branch Piping .....	50.44	
		Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.		
<b>21 01 10 91-0003</b>		<b>Sprinkler Upgrades</b> <sup>(21 01 10 91)</sup>		
21 01 10 91-0004	LF	Purging Existing Lines Of Water .....	0.50	
21 01 10 91-0005	LF	Refill Existing Lines With Water .....	0.61	

#### 21 01 30 Operation and Maintenance of Fire-Suppression Equipment <sup>(21 01)</sup>

##### 21 01 30 91 Fire-Suppression Equipment Restoration <sup>(21 01 30)</sup>

<b>21 01 30 91-0001</b>		<b>Inspection And Recharge</b> <sup>(21 01 30 91)</sup>		
21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide .....	180.71	
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide .....	2.01	
21 01 30 91-0004	EA	Inspection, Halon 1301 .....	180.71	
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301 .....	48.16	
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical .....	109.27	
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical .....	45.15	
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical .....	109.27	
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical .....	4.01	
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents .....	33.63	
		See CSI section 23 05 93 00-0046 for testing existing piping systems.		
21 01 30 91-0011	EA	Disarm/Arm System .....	58.84	

#### 21 05 Common Work Results for Fire Suppression <sup>(21)</sup>

##### 21 05 13 Common Motor Requirements for Fire-Suppression Equipment <sup>(21 05)</sup>

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

##### 21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping <sup>(21 05)</sup>

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

##### 21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping <sup>(21 05)</sup>

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

##### 21 05 19 Meters and Gages for Fire-Suppression Systems <sup>(21 05)</sup>

See CSI section 33 19 00 00-0000 for water utility service metering.

<b>21 05 19 00-0001</b>		<b>Fire Sprinkler System Water Pressure Gauge</b> <sup>(21 05 19)</sup>		
21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge .....	36.50	10.39
		Note: For fire sprinkler systems		
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge .....	37.79	10.39
		Note: For fire sprinkler systems		
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge .....	43.83	10.39
		Note: For fire sprinkler systems		
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge .....	46.30	10.39
		Note: For fire sprinkler systems		
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge .....	48.78	10.39
		Note: For fire sprinkler systems		
<b>21 05 19 00-0007</b>		<b>Fire Service Meter Cast Iron Housing</b> <sup>(21 05 19)</sup>		
21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing .....	3,900.57	159.31
		For >10 To 25, Deduct	-195.03	
		For >25, Deduct	-565.15	
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing .....	7,938.45	267.07
		For >10 To 25, Deduct	-396.92	
		For >25, Deduct	-1,157.30	
21 05 19 00-0010	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing .....	10,765.17	386.41
		For >10 To 25, Deduct	-538.26	
		For >25, Deduct	-1,566.30	
21 05 19 00-0011	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing .....	14,035.79	493.74
		For >10 To 25, Deduct	-701.79	
		For >25, Deduct	-2,044.03	

**21 Fire Suppression****21 05 Common Work Results for Fire Suppression****21 05 19 Meters and Gages for Fire-Suppression Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

21 05 19 00-0012	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing .....	19,746.11	601.08
		<i>For &gt;10 To 25, Deduct</i>	-987.31	
		<i>For &gt;25, Deduct</i>	-2,886.78	

**21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping**(21 05)  
See CSI section 23 05 23 00-0000 for valves.**21 05 23 00-0001 Globe Valves (21 05 23)****21 05 23 00-0002 Threaded, 125 LB, Bronze Body, Angle Globe Valves (21 05 23 00-0001)**

Note: Non-rising stem

21 05 23 00-0003	EA	1/2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	57.41	10.18
21 05 23 00-0004	EA	3/4" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	72.94	10.68
21 05 23 00-0005	EA	1" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	101.06	10.68
21 05 23 00-0006	EA	1-1/4" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	153.19	13.54
21 05 23 00-0007	EA	1-1/2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	180.41	15.67
21 05 23 00-0008	EA	2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	213.74	18.51

**21 05 23 00-0009 Butterfly Valves (21 05 23)****21 05 23 00-0010 Grooved End Gear Operated Butterfly Valves (21 05 23 00-0009)**

21 05 23 00-0011	EA	2-1/2" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N) .....	357.20	16.59
21 05 23 00-0012	EA	3" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N) .....	392.88	19.87
21 05 23 00-0013	EA	4" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N) .....	413.68	26.15
21 05 23 00-0014	EA	6" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N) .....	589.33	42.83
21 05 23 00-0015	EA	8" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N) .....	847.91	60.25

**21 05 23 00-0016 Grooved End, Wafer Type, Ductile Iron, Gear Operated Butterfly Valves (21 05 23 00-0009)**

21 05 23 00-0017	EA	2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510) .....	357.73	13.40
21 05 23 00-0018	EA	2-1/2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510) .....	365.23	16.59
21 05 23 00-0019	EA	3" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510) .....	403.59	19.87
21 05 23 00-0020	EA	4" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510) .....	420.38	26.15
21 05 23 00-0021	EA	6" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510) .....	587.99	42.83
21 05 23 00-0022	EA	8" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510) .....	873.37	60.25
21 05 23 00-0023	EA	10" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510) .....	1,348.58	81.44

**21 05 23 00-0024 Check Valves (21 05 23)****21 05 23 00-0025 Bronze Body, Threaded, 150 LB, Swing Check Valves (21 05 23 00-0024)**

21 05 23 00-0026	EA	1/2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	209.11	10.18
21 05 23 00-0027	EA	3/4" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	246.58	10.68
21 05 23 00-0028	EA	1" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	337.85	10.68
21 05 23 00-0029	EA	1-1/4" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	450.20	13.54
21 05 23 00-0030	EA	1-1/2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	590.98	15.67
21 05 23 00-0031	EA	2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	864.67	18.51

**21 05 23 00-0032 Flanged, Iron Body, Bronze Trim, Swing Check Valves (21 05 23 00-0024)**

21 05 23 00-0033	EA	2-1/2" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	568.04	135.88
21 05 23 00-0034	EA	3" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	647.65	159.31
21 05 23 00-0035	EA	4" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	929.18	267.07
21 05 23 00-0036	EA	6" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	1,350.11	318.92
21 05 23 00-0037	EA	8" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	2,088.40	407.51
21 05 23 00-0038	EA	10" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	3,229.22	496.10
21 05 23 00-0039	EA	12" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	4,461.03	602.39

**21 05 23 00-0040 Iron Body Wafer Type Check Valve (21 05 23 00-0024)**

21 05 23 00-0041	EA	2-1/2" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W) .....	460.44	135.97
21 05 23 00-0042	EA	3" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	531.80	159.41
21 05 23 00-0043	EA	4" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	676.81	267.24
21 05 23 00-0044	EA	6" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	1,072.47	375.08
21 05 23 00-0045	EA	8" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	1,509.59	431.33
21 05 23 00-0046	EA	10" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	2,152.22	46.88
21 05 23 00-0047	EA	12" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	2,894.62	637.62

**21 05 23 00-0048 Grooved End, Check Valves (21 05 23 00-0024)**

21 05 23 00-0049	EA	2-1/2" Check Valve, Grooved (Victaulic FireLock® 717).....	317.79	16.87
21 05 23 00-0050	EA	3" Check Valve, Grooved (Victaulic FireLock® 717).....	322.35	19.96
21 05 23 00-0051	EA	4" Check Valve, Grooved (Victaulic FireLock® 717).....	343.56	26.24
21 05 23 00-0052	EA	6" Check Valve, Grooved (Victaulic FireLock® 717).....	1,011.42	42.83
21 05 23 00-0053	EA	8" Check Valve, Grooved (Victaulic FireLock® 717).....	1,405.52	60.25

**21 05 23 00-0054 Gate Valves (21 05 23)****21 05 23 00-0055 Threaded, Bronze Gate Valves (21 05 23 00-0054)**

Note: Class 175

21 05 23 00-0056	EA	1" Threaded, Bronze Gate Valve (Crane 459) .....	655.85	12.72
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0057	EA		1-1/4" Threaded, Bronze Gate Valve (Crane 459) .....	801.64	13.54
21 05 23 00-0058	EA		1-1/2" Threaded, Bronze Gate Valve (Crane 459) .....	953.96	15.67
21 05 23 00-0059	EA		2" Threaded, Bronze Gate Valve (Crane 459) .....	1,190.72	18.51
<b>21 05 23 00-0060</b>			<b>Flanged, Cast Iron Body, Bronze Trim Gate Valves (21 05 23 00-0054)</b>		
			Note: Class 175		
21 05 23 00-0061	EA		2-1/2" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467) .....	748.59	135.88
21 05 23 00-0062	EA		3" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467) .....	881.35	159.31
21 05 23 00-0063	EA		4" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467) .....	1,249.94	267.07
21 05 23 00-0064	EA		6" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467) .....	1,824.13	318.92
21 05 23 00-0065	EA		8" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467) .....	2,663.04	407.51
21 05 23 00-0066	EA		10" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467) .....	4,762.02	496.10
21 05 23 00-0067	EA		12" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467) .....	6,446.42	602.39
<b>21 05 23 00-0068</b>			<b>Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves (21 05 23 00-0054)</b>		
			Note: Class 175		
21 05 23 00-0069	EA		2-1/2" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136) .....	1,244.02	135.88
21 05 23 00-0070	EA		3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136) .....	1,449.46	159.31
21 05 23 00-0071	EA		4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136) .....	1,766.82	267.07
21 05 23 00-0072	EA		6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136) .....	2,260.18	318.92
21 05 23 00-0073	EA		8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136) .....	3,347.98	407.51
21 05 23 00-0074	EA		10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136) .....	4,805.80	496.10
21 05 23 00-0075	EA		12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136) .....	6,201.50	602.39
<b>21 05 23 00-0076</b>			<b>Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves (21 05 23 00-0054)</b>		
			Note: Class 250. Square operating nut actuation type.		
21 05 23 00-0077	EA		3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100) .....	1,181.99	159.31
21 05 23 00-0078	EA		4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100) .....	1,508.74	267.07
21 05 23 00-0079	EA		6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100) .....	1,920.44	318.92
21 05 23 00-0080	EA		8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100) .....	2,871.22	407.51
21 05 23 00-0081	EA		10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100) .....	4,296.20	496.10
21 05 23 00-0082	EA		12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100) .....	5,398.14	602.39
<b>21 05 23 00-0083</b>			<b>Ball Valves (21 05 23)</b>		
<b>21 05 23 00-0084</b>			<b>Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) (21 05 23 00-0083)</b>		
21 05 23 00-0085	EA		1" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) .....	423.51	12.72
21 05 23 00-0086	EA		1-1/4" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) .....	461.38	13.54
21 05 23 00-0087	EA		1-1/2" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) .....	545.67	15.67
21 05 23 00-0088	EA		2" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) .....	656.73	18.51
<b>21 05 23 00-0089</b>			<b>TESTanDRAIN® Valve (21 05 23)</b>		
21 05 23 00-0090	EA		1/4" 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600) .....	169.19	11.97
21 05 23 00-0091	EA		1" Threaded TESTanDRAIN® Valve (AGF 1000) .....	191.46	14.47
21 05 23 00-0092	EA		1-1/4" Threaded TESTanDRAIN® Valve (AGF 1000) .....	234.33	18.28
21 05 23 00-0093	EA		1-1/2" Threaded TESTanDRAIN® Valve (AGF 1000) .....	363.04	21.11
21 05 23 00-0094	EA		2" Threaded TESTanDRAIN® Valve (AGF 1000) .....	382.63	24.93
21 05 23 00-0095	EA		1" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011) .....	266.98	14.47
21 05 23 00-0096	EA		1-1/4" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011) .....	309.12	18.28
21 05 23 00-0097	EA		1-1/2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011) .....	440.10	21.11
21 05 23 00-0098	EA		2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011) .....	461.73	24.93
<b>21 05 29</b>			<b>Hangers and Supports for Fire-Suppression Piping and Equipment (21 05)</b>		
			See CSI section 23 05 29 00-0000 for hangers and supports.		
<b>21 05 48</b>			<b>Vibration and Seismic Controls for Fire-Suppression Piping and Equipment (21 05)</b>		
<b>21 05 48 13</b>			<b>Vibration Controls for Fire-Suppression Piping and Equipment (21 05 48)</b>		
			See CSI section 23 05 48 13-0000 for vibration and seismic control.		
<b>21 05 53</b>			<b>Identification for Fire-Suppression Piping and Equipment (21 05)</b>		
			See CSI section 23 05 53 00-0000 for identification.		

**21 Fire Suppression****21 07 Fire-Suppression Systems Insulation****21 05 53 Identification for Fire-Suppression Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 07			Fire-Suppression Systems Insulation <sup>(21)</sup>		
21 07 16			Fire-Suppression Equipment Insulation <sup>(21 07)</sup> See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.		
21 07 19			Fire-Suppression Piping Insulation <sup>(21 07)</sup> See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.		
21 10			Water-Based Fire-Suppression Systems <sup>(21)</sup> See CSI section 22 11 16 00-0368 for copper pipe, 22 11 16 00-0912 for CPVC pipe, 23 05 23 00-0064 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.		
21 11			Facility Fire-Suppression Water-Service Piping <sup>(21 10)</sup>		
21 11 19			<b>Fire-Department Connections</b> <sup>(21 11)</sup>		
21 11 19 00-0001			Fire Department Connections <sup>(21 11 19)</sup>		
21 11 19 00-0002	EA		4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass.....	798.92	267.65
			<i>For Polished Chrome, Add</i> .....	49.18	
21 11 19 00-0003	EA		6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass.....	1,109.29	334.57
			<i>For Polished Chrome, Add</i> .....	75.28	
21 11 19 00-0004	EA		4" x 3" x 3" Siamese Connection, Polished Brass.....	1,168.42	267.65
			<i>For Polished Chrome, Add</i> .....	95.35	
21 11 19 00-0005	EA		6" x 3" x 3" Siamese Connection, Polished Brass.....	1,542.89	334.57
			<i>For Polished Chrome, Add</i> .....	129.48	
21 11 19 00-0006	EA		6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass.....	1,648.87	334.57
			<i>For Polished Chrome, Add</i> .....	142.72	
21 11 19 00-0007	EA		Sidewalk Type Connection With Plug And Chain, Polished Brass.....	1,416.83	354.09
			<i>For Polished Chrome, Add</i> .....	110.07	
21 11 19 00-0008	EA		Wall Type Connection With Plug And Chain, Polished Brass.....	910.71	267.65
			<i>For Polished Chrome, Add</i> .....	63.16	
21 11 19 00-0009			Wall Type Indicator Post, Wheel Operated <sup>(21 11 19)</sup> See CSI section 33 14 19 00-0227 for adjustable indicator post accessory for ground valves.		
21 11 19 00-0010	EA		Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773).....	1,324.84	267.07
21 11 19 00-0011			Upright Indicator Post, Wheel Operated <sup>(21 11 19)</sup>		
21 11 19 00-0012	EA		Upright Indicator Post With Flange For Valve (Victaulic 774).....	6,516.42	267.07
21 12			Fire-Suppression Standpipes <sup>(21 10)</sup>		
21 12 13			<b>Fire-Suppression Hoses and Nozzles</b> <sup>(21 12)</sup>		
21 12 13 00-0001			Fire Hose <sup>(21 12 13)</sup>		
21 12 13 00-0002			Fire Hose Without Couplings <sup>(21 12 13 00-0001)</sup>		
21 12 13 00-0003	LF		1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings.....	2.19	1.68
21 12 13 00-0004	LF		2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings.....	2.55	1.68
21 12 13 00-0005	LF		2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings.....	2.32	1.68
21 12 13 00-0006	LF		3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings.....	2.71	1.68
21 12 13 00-0007	LF		1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings.....	2.47	1.68
21 12 13 00-0008	LF		2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings.....	3.06	1.68
21 12 13 00-0009	LF		1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings.....	2.55	1.68
21 12 13 00-0010	LF		2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings.....	3.25	1.68
21 12 13 00-0011			Fire Hose With Aluminum Couplings <sup>(21 12 13 00-0001)</sup>		
21 12 13 00-0012	LF		1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	5.18	0.93
21 12 13 00-0013	LF		2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	6.46	1.09
21 12 13 00-0014	LF		3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	10.88	1.09
21 12 13 00-0015			Fire Hose Accessories <sup>(21 12 13 00-0001)</sup>		
21 12 13 00-0016	EA		Hose Coupling With 1-1/2" Pin Lug.....	95.08	27.74
21 12 13 00-0017	EA		Hose Coupling With 2-1/2" Pin Lug.....	138.33	31.10
21 12 13 00-0018	EA		1-1/2" x 10" Brass Straight Nozzle.....	69.47	21.86
21 12 13 00-0019	EA		2-1/2" x 12" Brass Straight Nozzle.....	136.56	21.86
21 12 13 00-0020	EA		1-1/2" Brass Fog Type Nozzle.....	108.64	21.86
21 12 13 00-0021	EA		2-1/2" Brass Fog Type Nozzle.....	155.73	21.86
21 12 13 00-0022	EA		1-1/2" Brass 100' Hose Rack.....	240.11	92.45
21 12 13 00-0023	EA		2-1/2" Brass 100' Hose Rack.....	331.79	92.45
21 12 23			<b>Fire-Suppression Hose Valves</b> <sup>(21 12)</sup>		
21 12 23 00-0001			Standpipe Valves <sup>(21 12 23)</sup>		
21 12 23 00-0002	EA		2-1/2" Fire Department Valve, Polished Brass With Plug And Chain.....	505.41	177.05
			<i>For Polished Chrome, Add</i> .....	35.59	
21 12 23 00-0003	EA		2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	786.27	176.97
			<i>For Polished Chrome, Add</i> .....	77.72	
21 12 23 00-0004	EA		2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	1,004.74	191.43
			<i>For Polished Chrome, Add</i> .....	107.19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 12 23 00-0005	EA 3" x 3" x 4" Fire Department Valve, Flush, Polished Brass ..... <i>For Polished Chrome, Add</i>	1,190.99 138.43	176.97
21 12 23 00-0006	EA 3" x 3" x 6" Fire Department Valve, Flush, Polished Brass ..... <i>For Polished Chrome, Add</i>	1,394.80 165.70	191.43
21 12 23 00-0007	EA 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass ..... <i>For Polished Chrome, Add</i>	743.25 71.27	176.97
21 12 23 00-0008	EA 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass ..... <i>For Polished Chrome, Add</i>	1,072.19 117.31	191.43
21 12 23 00-0009	EA 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass ..... <i>For Polished Chrome, Add</i>	1,357.06 129.63	182.70
21 12 23 00-0010	EA 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass ..... <i>For Polished Chrome, Add</i>	1,927.95 194.44	202.98
21 12 23 00-0011	EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass ..... <i>For Polished Chrome, Add</i>	1,453.84 141.24	182.70
21 12 23 00-0012	EA 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass ..... <i>For Polished Chrome, Add</i>	2,073.77 211.94	202.98
21 12 23 00-0013	EA 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Square, Flush, Polished Brass ..... <i>For Polished Chrome, Add</i>	3,574.83 320.57	243.55

**21 12 23 00-0014 Fire Hose Angle Valves** (21 12 23)

21 12 23 00-0015	EA 1-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve.....	162.79	22.70
21 12 23 00-0016	EA 1-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve .....	193.88	22.70
21 12 23 00-0017	EA 1-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve.....	182.57	22.70
21 12 23 00-0018	EA 1-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve.....	213.67	22.70
21 12 23 00-0019	EA 2-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve.....	289.29	37.83
21 12 23 00-0020	EA 2-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve .....	334.52	37.83
21 12 23 00-0021	EA 2-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve.....	338.29	37.83
21 12 23 00-0022	EA 2-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve.....	383.52	37.83

**21 12 29 Fire-Suppression Fire Hose Equipment** (21 12)

**21 12 29 00-0001 Standpipe And Fire Hose Equipment** (21 12 29)

21 12 29 00-0002	EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass .....	1,537.20	438.88
21 12 29 00-0003	EA Water Motor Gong .....	527.31	127.66
21 12 29 00-0004	EA Fire Riser Flow Switch (National Fire Protection Association 13) .....	393.81	14.85
21 12 29 00-0005	EA Water Flow Supervisory (Tamper) Switch Mounted On Valve .....	174.98	25.41

**21 12 29 00-0006 Water Flow Detector** (21 12 29)

**21 12 29 00-0007 Pressure-Type Water Flow Detector** (21 12 29 00-0006)

21 12 29 00-0008	EA Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe .....	283.80	78.18
21 12 29 00-0009	EA Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe .....	410.98	103.59
21 12 29 00-0010	EA Pressure-Type Water Flow Detector For >4" To 8" Pipe.....	634.85	117.27

**21 12 29 00-0011 Vane-Type Water Flow Detector** (21 12 29 00-0006)

21 12 29 00-0012	EA Vane-Type Water Flow Detector For Up To 2-1/2" Pipe .....	352.77	78.18
21 12 29 00-0013	EA Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe .....	495.47	103.59
21 12 29 00-0014	EA Vane-Type Water Flow Detector For >4" To 8" Pipe.....	768.78	117.27

**21 13 Fire-Suppression Sprinkler Systems** (21 10)

**21 13 13 Wet-Pipe Sprinkler Systems** (21 13)

**21 13 13 00-0001 Complete Wet Pipe Sprinkler Systems** (21 13 13)

Note: Includes complete design per NFPA 13, 13D or 13R and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1396 for individual grooved pipe, 23 21 13 23-1469 for individual grooved pipe fittings.

**21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler Systems** (21 13 13 00-0001)

21 13 13 00-0003	EA Exposed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	338.92	
	Note: Includes branch pipe and fittings, supports and sprinkler heads.		
	<i>For Copper Pipe, Add</i>	40.06	
	<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-57.00	
	<i>For Up To 5, Add</i>	157.13	
	<i>For &gt;5 To 10, Add</i>	100.12	
	<i>For &gt;10 To 20, Add</i>	66.23	
	<i>For &gt;20 To 40, Add</i>	27.73	
	<i>For &gt;100 To 150, Deduct</i>	-33.89	
	<i>For &gt;150, Deduct</i>	-67.78	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0004	EA		Concealed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....450.87 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			<i>For Copper Pipe, Add</i>	51.76	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-74.30	
			<i>For Up To 5, Add</i>	212.09	
			<i>For &gt;5 To 10, Add</i>	137.79	
			<i>For &gt;10 To 20, Add</i>	92.71	
			<i>For &gt;20 To 40, Add</i>	38.42	
			<i>For &gt;100 To 150, Deduct</i>	-45.09	
			<i>For &gt;150, Deduct</i>	-90.17	
21 13 13 00-0005			<b>Ordinary Hazard, Complete Wet-Pipe Sprinkler Systems</b> (21 13 13 00-0001)		
21 13 13 00-0006	EA		Exposed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....337.48 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Copper Pipe, Add</i>	39.97	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-56.85	
			<i>For Up To 5, Add</i>	156.29	
			<i>For &gt;5 To 10, Add</i>	99.44	
			<i>For &gt;10 To 20, Add</i>	65.70	
			<i>For &gt;20 To 40, Add</i>	27.52	
			<i>For &gt;100 To 150, Deduct</i>	-33.75	
			<i>For &gt;150, Deduct</i>	-67.50	
21 13 13 00-0007	EA		Concealed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....446.76 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			<i>For Copper Pipe, Add</i>	51.35	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-73.69	
			<i>For Up To 5, Add</i>	210.03	
			<i>For &gt;5 To 10, Add</i>	136.34	
			<i>For &gt;10 To 20, Add</i>	91.67	
			<i>For &gt;20 To 40, Add</i>	38.00	
			<i>For &gt;100 To 150, Deduct</i>	-44.68	
			<i>For &gt;150, Deduct</i>	-89.35	
21 13 13 00-0008			<b>Extra Hazard, Complete Wet-Pipe Sprinkler Systems</b> (21 13 13 00-0001)		
21 13 13 00-0009	EA		Exposed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....312.37 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Copper Pipe, Add</i>	36.94	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-52.56	
			<i>For Up To 5, Add</i>	144.78	
			<i>For &gt;5 To 10, Add</i>	92.23	
			<i>For &gt;10 To 20, Add</i>	60.99	
			<i>For &gt;20 To 40, Add</i>	25.54	
			<i>For &gt;100 To 150, Deduct</i>	-31.24	
			<i>For &gt;150, Deduct</i>	-62.47	
21 13 13 00-0010	EA		Concealed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....414.29 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			<i>For Copper Pipe, Add</i>	47.55	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-68.27	
			<i>For Up To 5, Add</i>	194.90	
			<i>For &gt;5 To 10, Add</i>	126.63	
			<i>For &gt;10 To 20, Add</i>	85.20	
			<i>For &gt;20 To 40, Add</i>	35.31	
			<i>For &gt;100 To 150, Deduct</i>	-41.43	
			<i>For &gt;150, Deduct</i>	-82.86	
21 13 13 00-0011			<b>Wet Pipe Sprinkler Components</b> (21 13 13)		
			Note: Excludes hydraulic calculations.		
21 13 13 00-0012			<b>Wet Pipe Alarm Check Valves</b> (21 13 13 00-0011)		
			Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.		
21 13 13 00-0013	EA		2-1/2" Wet Pipe Alarm Check Valve.....1,219.29	107.50	
21 13 13 00-0014	EA		3" Wet Pipe Alarm Check Valve.....1,250.56	123.13	
21 13 13 00-0015	EA		4" Wet Pipe Alarm Check Valve.....1,422.56	209.14	
21 13 13 00-0016	EA		6" Wet Pipe Alarm Check Valve.....1,393.50	263.86	
21 13 13 00-0017	EA		8" Wet Pipe Alarm Check Valve.....2,444.50	334.22	
21 13 13 00-0018			<b>Wet Pipe Valve Trim</b> (21 13 13 00-0011)		
			Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.		
21 13 13 00-0019	EA		2-1/2" Wet Pipe Valve Trim.....1,096.96	227.51	
21 13 13 00-0020	EA		3" Wet Pipe Valve Trim.....1,155.58	227.51	
21 13 13 00-0021	EA		4" Wet Pipe Valve Trim.....1,402.16	311.94	
21 13 13 00-0022	EA		6" Wet Pipe Valve Trim.....1,664.06	433.90	
21 13 13 00-0023	EA		8" Wet Pipe Valve Trim.....1,836.06	537.10	
21 13 13 00-0024			<b>Wet Pipe Sprinkler Heads</b> (21 13 13 00-0011)		
21 13 13 00-0025			<b>Upright Wet Pipe Sprinkler Heads</b> (21 13 13 00-0024)		
21 13 13 00-0026	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head.....58.12	9.45	
			<i>For &gt;25 To 50, Deduct</i>	-1.89	
			<i>For &gt;50 To 100, Deduct</i>	-4.80	
			<i>For &gt;100 To 500, Deduct</i>	-8.21	
			<i>For &gt;500 To 1,000, Deduct</i>	-16.89	
			<i>For &gt;1,000, Deduct</i>	-24.46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0027 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head.....	60.18	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-4.90	
For >100 To 500, Deduct	-8.47	
For >500 To 1,000, Deduct	-17.26	
For >1,000, Deduct	-24.83	
21 13 13 00-0028 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	61.50	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-4.97	
For >100 To 500, Deduct	-8.63	
For >500 To 1,000, Deduct	-17.50	
For >1,000, Deduct	-25.07	
21 13 13 00-0029 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head.....	59.15	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-4.85	
For >100 To 500, Deduct	-8.34	
For >500 To 1,000, Deduct	-17.08	
For >1,000, Deduct	-24.64	
21 13 13 00-0030 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	61.30	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-4.96	
For >100 To 500, Deduct	-8.61	
For >500 To 1,000, Deduct	-17.47	
For >1,000, Deduct	-25.03	
21 13 13 00-0031 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	62.67	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-5.03	
For >100 To 500, Deduct	-8.78	
For >500 To 1,000, Deduct	-17.71	
For >1,000, Deduct	-25.28	
21 13 13 00-0032 EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	72.68	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-5.53	
For >100 To 500, Deduct	-10.03	
For >500 To 1,000, Deduct	-19.51	
For >1,000, Deduct	-27.08	
21 13 13 00-0033 EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	78.22	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-5.80	
For >100 To 500, Deduct	-10.72	
For >500 To 1,000, Deduct	-20.51	
For >1,000, Deduct	-28.08	
21 13 13 00-0034 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	72.68	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-5.53	
For >100 To 500, Deduct	-10.03	
For >500 To 1,000, Deduct	-19.51	
For >1,000, Deduct	-27.08	
21 13 13 00-0035 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	78.22	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-5.80	
For >100 To 500, Deduct	-10.72	
For >500 To 1,000, Deduct	-20.51	
For >1,000, Deduct	-28.08	
21 13 13 00-0036 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	65.51	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-5.17	
For >100 To 500, Deduct	-9.13	
For >500 To 1,000, Deduct	-18.22	
For >1,000, Deduct	-25.79	
21 13 13 00-0037 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	68.22	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-5.30	
For >100 To 500, Deduct	-9.47	
For >500 To 1,000, Deduct	-18.71	
For >1,000, Deduct	-26.28	
21 13 13 00-0038 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	66.70	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.44	
For >100 To 500, Deduct	-9.39	
For >500 To 1,000, Deduct	-19.15	
For >1,000, Deduct	-27.56	
21 13 13 00-0039 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	69.86	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.59	
For >100 To 500, Deduct	-9.78	
For >500 To 1,000, Deduct	-19.72	
For >1,000, Deduct	-28.13	
21 13 13 00-0040 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	70.50	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.63	
For >100 To 500, Deduct	-9.86	
For >500 To 1,000, Deduct	-19.84	
For >1,000, Deduct	-28.24	
21 13 13 00-0041 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head.....	66.70	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.44	
For >100 To 500, Deduct	-9.39	
For >500 To 1,000, Deduct	-19.15	
For >1,000, Deduct	-27.56	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0042	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	69.86	10.50
			For >25 To 50, Deduct	-2.10	
			For >50 To 100, Deduct	-5.59	
			For >100 To 500, Deduct	-9.78	
			For >500 To 1,000, Deduct	-19.72	
			For >1,000, Deduct	-28.13	
21 13 13 00-0043	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	70.50	10.50
			For >25 To 50, Deduct	-2.10	
			For >50 To 100, Deduct	-5.63	
			For >100 To 500, Deduct	-9.86	
			For >500 To 1,000, Deduct	-19.84	
			For >1,000, Deduct	-28.24	
21 13 13 00-0044	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head.....	64.09	9.45
			For >25 To 50, Deduct	-1.89	
			For >50 To 100, Deduct	-5.10	
			For >100 To 500, Deduct	-8.96	
			For >500 To 1,000, Deduct	-17.97	
			For >1,000, Deduct	-25.53	
21 13 13 00-0045	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head.....	66.15	9.45
			For >25 To 50, Deduct	-1.89	
			For >50 To 100, Deduct	-5.20	
			For >100 To 500, Deduct	-9.21	
			For >500 To 1,000, Deduct	-18.34	
			For >1,000, Deduct	-25.90	
21 13 13 00-0046	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	66.55	9.45
			For >25 To 50, Deduct	-1.89	
			For >50 To 100, Deduct	-5.22	
			For >100 To 500, Deduct	-9.26	
			For >500 To 1,000, Deduct	-18.41	
			For >1,000, Deduct	-25.98	
21 13 13 00-0047	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head.....	64.09	9.45
			For >25 To 50, Deduct	-1.89	
			For >50 To 100, Deduct	-5.10	
			For >100 To 500, Deduct	-8.96	
			For >500 To 1,000, Deduct	-17.97	
			For >1,000, Deduct	-25.53	
21 13 13 00-0048	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head.....	66.15	9.45
			For >25 To 50, Deduct	-1.89	
			For >50 To 100, Deduct	-5.20	
			For >100 To 500, Deduct	-9.21	
			For >500 To 1,000, Deduct	-18.34	
			For >1,000, Deduct	-25.90	
21 13 13 00-0049	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	66.55	9.45
			For >25 To 50, Deduct	-1.89	
			For >50 To 100, Deduct	-5.22	
			For >100 To 500, Deduct	-9.26	
			For >500 To 1,000, Deduct	-18.41	
			For >1,000, Deduct	-25.98	
21 13 13 00-0050	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head.....	66.55	9.45
			For >25 To 50, Deduct	-1.89	
			For >50 To 100, Deduct	-5.22	
			For >100 To 500, Deduct	-9.26	
			For >500 To 1,000, Deduct	-18.41	
			For >1,000, Deduct	-25.98	
21 13 13 00-0051	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head.....	88.86	10.50
			For >25 To 50, Deduct	-2.10	
			For >50 To 100, Deduct	-6.54	
			For >100 To 500, Deduct	-12.16	
			For >500 To 1,000, Deduct	-23.14	
			For >1,000, Deduct	-31.55	
21 13 13 00-0052	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	91.24	10.50
			For >25 To 50, Deduct	-2.10	
			For >50 To 100, Deduct	-6.66	
			For >100 To 500, Deduct	-12.46	
			For >500 To 1,000, Deduct	-23.57	
			For >1,000, Deduct	-31.97	
21 13 13 00-0053	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	91.24	10.50
			For >25 To 50, Deduct	-2.10	
			For >50 To 100, Deduct	-6.66	
			For >100 To 500, Deduct	-12.46	
			For >500 To 1,000, Deduct	-23.57	
			For >1,000, Deduct	-31.97	
21 13 13 00-0054	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head.....	72.83	10.50
			For >25 To 50, Deduct	-2.10	
			For >50 To 100, Deduct	-5.74	
			For >100 To 500, Deduct	-10.15	
			For >500 To 1,000, Deduct	-20.25	
			For >1,000, Deduct	-28.66	
21 13 13 00-0055	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	74.46	10.50
			For >25 To 50, Deduct	-2.10	
			For >50 To 100, Deduct	-5.82	
			For >100 To 500, Deduct	-10.36	
			For >500 To 1,000, Deduct	-20.55	
			For >1,000, Deduct	-28.95	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

21 13 13 00-0056	EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head .....	74.46	10.50
	For >25 To 50, Deduct	-2.10	
	For >50 To 100, Deduct	-5.82	
	For >100 To 500, Deduct	-10.36	
	For >500 To 1,000, Deduct	-20.55	
	For >1,000, Deduct	-28.95	
21 13 13 00-0057	EA 1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head .....	207.13	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-12.25	
	For >100 To 500, Deduct	-26.84	
	For >500 To 1,000, Deduct	-43.71	
	For >1,000, Deduct	-51.28	
21 13 13 00-0058	EA 3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head .....	228.10	10.50
	For >25 To 50, Deduct	-2.10	
	For >50 To 100, Deduct	-13.51	
	For >100 To 500, Deduct	-29.56	
	For >500 To 1,000, Deduct	-48.20	
	For >1,000, Deduct	-56.61	
21 13 13 00-0059	EA 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head .....	111.96	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-7.49	
	For >100 To 500, Deduct	-14.94	
	For >500 To 1,000, Deduct	-26.58	
	For >1,000, Deduct	-34.15	
21 13 13 00-0060	EA 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	136.75	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-8.73	
	For >100 To 500, Deduct	-18.04	
	For >500 To 1,000, Deduct	-31.05	
	For >1,000, Deduct	-38.61	
21 13 13 00-0061	EA 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head .....	240.43	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-13.91	
	For >100 To 500, Deduct	-31.00	
	For >500 To 1,000, Deduct	-49.71	
	For >1,000, Deduct	-57.27	
21 13 13 00-0062	EA 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	305.05	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-17.14	
	For >100 To 500, Deduct	-39.08	
	For >500 To 1,000, Deduct	-61.34	
	For >1,000, Deduct	-68.91	
21 13 13 00-0063	EA 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head .....	140.95	10.50
	For >25 To 50, Deduct	-2.10	
	For >50 To 100, Deduct	-9.15	
	For >100 To 500, Deduct	-18.67	
	For >500 To 1,000, Deduct	-32.52	
	For >1,000, Deduct	-40.92	
21 13 13 00-0064	EA 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	141.70	10.50
	For >25 To 50, Deduct	-2.10	
	For >50 To 100, Deduct	-9.19	
	For >100 To 500, Deduct	-18.76	
	For >500 To 1,000, Deduct	-32.65	
	For >1,000, Deduct	-41.06	

**21 13 13 00-0065 Conventional Wet Pipe Sprinkler Heads** (21 13 13 00-0024)

21 13 13 00-0066	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head .....	58.12	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-4.80	
	For >100 To 500, Deduct	-8.21	
	For >500 To 1,000, Deduct	-16.89	
	For >1,000, Deduct	-24.46	
21 13 13 00-0067	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head.....	60.18	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-4.90	
	For >100 To 500, Deduct	-8.47	
	For >500 To 1,000, Deduct	-17.26	
	For >1,000, Deduct	-24.83	
21 13 13 00-0068	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	61.50	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-4.97	
	For >100 To 500, Deduct	-8.63	
	For >500 To 1,000, Deduct	-17.50	
	For >1,000, Deduct	-25.07	
21 13 13 00-0069	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head .....	67.44	10.50
	For >25 To 50, Deduct	-2.10	
	For >50 To 100, Deduct	-5.47	
	For >100 To 500, Deduct	-9.48	
	For >500 To 1,000, Deduct	-19.28	
	For >1,000, Deduct	-27.69	
21 13 13 00-0070	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head .....	69.86	10.50
	For >25 To 50, Deduct	-2.10	
	For >50 To 100, Deduct	-5.59	
	For >100 To 500, Deduct	-9.78	
	For >500 To 1,000, Deduct	-19.72	
	For >1,000, Deduct	-28.13	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0071	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head .....	70.24	10.50
	For >25 To 50, Deduct	-2.10	
	For >50 To 100, Deduct	-5.61	
	For >100 To 500, Deduct	-9.83	
	For >500 To 1,000, Deduct	-19.79	
	For >1,000, Deduct	-28.19	
21 13 13 00-0072	EA 1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head .....	207.13	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-12.25	
	For >100 To 500, Deduct	-26.84	
	For >500 To 1,000, Deduct	-43.71	
	For >1,000, Deduct	-51.28	
21 13 13 00-0073	<b>Pendant Wet Pipe Sprinkler Heads</b> <small>(21 13 13 00-0024)</small> See CSI section 21 13 13 00-0209 for escutcheon for recessed pendant sprinkler head.		
21 13 13 00-0074	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Brass Wet Pipe Sprinkler Head .....	58.12	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-4.80	
	For >100 To 500, Deduct	-8.21	
	For >500 To 1,000, Deduct	-16.89	
	For >1,000, Deduct	-24.46	
21 13 13 00-0075	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Chrome Wet Pipe Sprinkler Head .....	60.18	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-4.90	
	For >100 To 500, Deduct	-8.47	
	For >500 To 1,000, Deduct	-17.26	
	For >1,000, Deduct	-24.83	
21 13 13 00-0076	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant White Polyester Coated Wet Pipe Sprinkler Head .....	61.50	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-4.97	
	For >100 To 500, Deduct	-8.63	
	For >500 To 1,000, Deduct	-17.50	
	For >1,000, Deduct	-25.07	
21 13 13 00-0077	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant Brass Wet Pipe Sprinkler Head .....	66.70	10.50
	For >25 To 50, Deduct	-2.10	
	For >50 To 100, Deduct	-5.44	
	For >100 To 500, Deduct	-9.39	
	For >500 To 1,000, Deduct	-19.15	
	For >1,000, Deduct	-27.56	
21 13 13 00-0078	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant Chrome Wet Pipe Sprinkler Head .....	69.86	10.50
	For >25 To 50, Deduct	-2.10	
	For >50 To 100, Deduct	-5.59	
	For >100 To 500, Deduct	-9.78	
	For >500 To 1,000, Deduct	-19.72	
	For >1,000, Deduct	-28.13	
21 13 13 00-0079	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant White Polyester Coated Wet Pipe Sprinkler Head .....	70.50	10.50
	For >25 To 50, Deduct	-2.10	
	For >50 To 100, Deduct	-5.63	
	For >100 To 500, Deduct	-9.86	
	For >500 To 1,000, Deduct	-19.84	
	For >1,000, Deduct	-28.24	
21 13 13 00-0080	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendant Brass Wet Pipe Sprinkler Head .....	64.09	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-5.10	
	For >100 To 500, Deduct	-8.96	
	For >500 To 1,000, Deduct	-17.97	
	For >1,000, Deduct	-25.53	
21 13 13 00-0081	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendant Chrome Wet Pipe Sprinkler Head .....	66.15	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-5.20	
	For >100 To 500, Deduct	-9.21	
	For >500 To 1,000, Deduct	-18.34	
	For >1,000, Deduct	-25.90	
21 13 13 00-0082	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendant White Polyester Coated Wet Pipe Sprinkler Head .....	66.55	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-5.22	
	For >100 To 500, Deduct	-9.26	
	For >500 To 1,000, Deduct	-18.41	
	For >1,000, Deduct	-25.98	
21 13 13 00-0083	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendant Brass Wet Pipe Sprinkler Head .....	64.09	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-5.10	
	For >100 To 500, Deduct	-8.96	
	For >500 To 1,000, Deduct	-17.97	
	For >1,000, Deduct	-25.53	
21 13 13 00-0084	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendant Chrome Wet Pipe Sprinkler Head .....	66.15	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-5.20	
	For >100 To 500, Deduct	-9.21	
	For >500 To 1,000, Deduct	-18.34	
	For >1,000, Deduct	-25.90	
21 13 13 00-0085	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendant White Polyester Coated Wet Pipe Sprinkler Head .....	66.55	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-5.22	
	For >100 To 500, Deduct	-9.26	
	For >500 To 1,000, Deduct	-18.41	
	For >1,000, Deduct	-25.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0086 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead .....	64.09	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-5.10	
For >100 To 500, Deduct	-8.96	
For >500 To 1,000, Deduct	-17.97	
For >1,000, Deduct	-25.53	
21 13 13 00-0087 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead.....	66.15	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-5.20	
For >100 To 500, Deduct	-9.21	
For >500 To 1,000, Deduct	-18.34	
For >1,000, Deduct	-25.90	
21 13 13 00-0088 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead .....	66.55	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-5.22	
For >100 To 500, Deduct	-9.26	
For >500 To 1,000, Deduct	-18.41	
For >1,000, Deduct	-25.98	
21 13 13 00-0089 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead .....	58.12	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-4.80	
For >100 To 500, Deduct	-8.21	
For >500 To 1,000, Deduct	-16.89	
For >1,000, Deduct	-24.46	
21 13 13 00-0090 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead.....	60.18	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-4.90	
For >100 To 500, Deduct	-8.47	
For >500 To 1,000, Deduct	-17.26	
For >1,000, Deduct	-24.83	
21 13 13 00-0091 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead .....	61.50	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-4.97	
For >100 To 500, Deduct	-8.63	
For >500 To 1,000, Deduct	-17.50	
For >1,000, Deduct	-25.07	
21 13 13 00-0092 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head.....	59.16	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-4.85	
For >100 To 500, Deduct	-8.34	
For >500 To 1,000, Deduct	-17.08	
For >1,000, Deduct	-24.65	
21 13 13 00-0093 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head.....	60.62	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-4.92	
For >100 To 500, Deduct	-8.52	
For >500 To 1,000, Deduct	-17.34	
For >1,000, Deduct	-24.91	
21 13 13 00-0094 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head .....	61.95	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-4.99	
For >100 To 500, Deduct	-8.69	
For >500 To 1,000, Deduct	-17.58	
For >1,000, Deduct	-25.15	
21 13 13 00-0095 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head .....	68.66	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.53	
For >100 To 500, Deduct	-9.63	
For >500 To 1,000, Deduct	-19.50	
For >1,000, Deduct	-27.91	
21 13 13 00-0096 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head .....	71.34	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.67	
For >100 To 500, Deduct	-9.97	
For >500 To 1,000, Deduct	-19.99	
For >1,000, Deduct	-28.39	
21 13 13 00-0097 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	71.34	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.67	
For >100 To 500, Deduct	-9.97	
For >500 To 1,000, Deduct	-19.99	
For >1,000, Deduct	-28.39	
21 13 13 00-0098 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head .....	65.51	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-5.17	
For >100 To 500, Deduct	-9.13	
For >500 To 1,000, Deduct	-18.22	
For >1,000, Deduct	-25.79	
21 13 13 00-0099 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	68.22	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-5.30	
For >100 To 500, Deduct	-9.47	
For >500 To 1,000, Deduct	-18.71	
For >1,000, Deduct	-26.28	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0100	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head.....	72.27	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-5.51	
	For >100 To 500, Deduct	-9.98	
	For >500 To 1,000, Deduct	-19.44	
	For >1,000, Deduct	-27.01	
21 13 13 00-0101	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head .....	76.70	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-5.73	
	For >100 To 500, Deduct	-10.53	
	For >500 To 1,000, Deduct	-20.24	
	For >1,000, Deduct	-27.80	
21 13 13 00-0102	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head.....	72.27	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-5.51	
	For >100 To 500, Deduct	-9.98	
	For >500 To 1,000, Deduct	-19.44	
	For >1,000, Deduct	-27.01	
21 13 13 00-0103	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head .....	76.70	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-5.73	
	For >100 To 500, Deduct	-10.53	
	For >500 To 1,000, Deduct	-20.24	
	For >1,000, Deduct	-27.80	
21 13 13 00-0104	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head .....	62.02	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-4.99	
	For >100 To 500, Deduct	-8.70	
	For >500 To 1,000, Deduct	-17.59	
	For >1,000, Deduct	-25.16	
21 13 13 00-0105	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	64.34	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-5.11	
	For >100 To 500, Deduct	-8.99	
	For >500 To 1,000, Deduct	-18.01	
	For >1,000, Deduct	-25.58	
21 13 13 00-0106	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head .....	65.56	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-5.17	
	For >100 To 500, Deduct	-9.14	
	For >500 To 1,000, Deduct	-18.23	
	For >1,000, Deduct	-25.80	
21 13 13 00-0107	EA 1/2" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head .....	67.68	10.50
	For >25 To 50, Deduct	-2.10	
	For >50 To 100, Deduct	-5.49	
	For >100 To 500, Deduct	-9.51	
	For >500 To 1,000, Deduct	-19.33	
	For >1,000, Deduct	-27.73	
21 13 13 00-0108	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head .....	69.98	10.50
	For >25 To 50, Deduct	-2.10	
	For >50 To 100, Deduct	-5.60	
	For >100 To 500, Deduct	-9.80	
	For >500 To 1,000, Deduct	-19.74	
	For >1,000, Deduct	-28.15	
21 13 13 00-0109	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head .....	72.20	10.50
	For >25 To 50, Deduct	-2.10	
	For >50 To 100, Deduct	-5.71	
	For >100 To 500, Deduct	-10.08	
	For >500 To 1,000, Deduct	-20.14	
	For >1,000, Deduct	-28.55	
21 13 13 00-0110	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head .....	63.33	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-5.06	
	For >100 To 500, Deduct	-8.86	
	For >500 To 1,000, Deduct	-17.83	
	For >1,000, Deduct	-25.40	
21 13 13 00-0111	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head .....	65.61	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-5.17	
	For >100 To 500, Deduct	-9.15	
	For >500 To 1,000, Deduct	-18.24	
	For >1,000, Deduct	-25.81	
21 13 13 00-0112	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head .....	66.85	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-5.23	
	For >100 To 500, Deduct	-9.30	
	For >500 To 1,000, Deduct	-18.46	
	For >1,000, Deduct	-26.03	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0113 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendant Brass Wet Pipe Sprinkler Head.....	68.66	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.53	
For >100 To 500, Deduct	-9.63	
For >500 To 1,000, Deduct	-19.50	
For >1,000, Deduct	-27.91	
21 13 13 00-0114 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendant Chrome Wet Pipe Sprinkler Head.....	71.05	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.65	
For >100 To 500, Deduct	-9.93	
For >500 To 1,000, Deduct	-19.93	
For >1,000, Deduct	-28.34	
21 13 13 00-0115 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	73.36	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.77	
For >100 To 500, Deduct	-10.22	
For >500 To 1,000, Deduct	-20.35	
For >1,000, Deduct	-28.76	
21 13 13 00-0116 EA 1/2" NPT Thread, 1/2" Orifice, Decorative Pendant Chrome Wet Pipe Sprinkler Head.....	99.55	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-6.87	
For >100 To 500, Deduct	-13.39	
For >500 To 1,000, Deduct	-24.35	
For >1,000, Deduct	-31.92	
21 13 13 00-0117 EA 1/2" NPT Thread, 1/2" Orifice, Decorative Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	99.55	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-6.87	
For >100 To 500, Deduct	-13.39	
For >500 To 1,000, Deduct	-24.35	
For >1,000, Deduct	-31.92	
21 13 13 00-0118 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Pendant Brass Wet Pipe Sprinkler Head.....	75.21	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.86	
For >100 To 500, Deduct	-10.45	
For >500 To 1,000, Deduct	-20.68	
For >1,000, Deduct	-29.09	
21 13 13 00-0119 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Pendant Chrome Wet Pipe Sprinkler Head.....	76.97	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.95	
For >100 To 500, Deduct	-10.67	
For >500 To 1,000, Deduct	-21.00	
For >1,000, Deduct	-29.41	
21 13 13 00-0120 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	76.97	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.95	
For >100 To 500, Deduct	-10.67	
For >500 To 1,000, Deduct	-21.00	
For >1,000, Deduct	-29.41	
21 13 13 00-0121 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Pendant Brass Wet Pipe Sprinkler Head.....	72.83	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.74	
For >100 To 500, Deduct	-10.15	
For >500 To 1,000, Deduct	-20.25	
For >1,000, Deduct	-28.66	
21 13 13 00-0122 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Pendant Chrome Wet Pipe Sprinkler Head.....	74.46	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.82	
For >100 To 500, Deduct	-10.36	
For >500 To 1,000, Deduct	-20.55	
For >1,000, Deduct	-28.95	
21 13 13 00-0123 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	74.46	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.82	
For >100 To 500, Deduct	-10.36	
For >500 To 1,000, Deduct	-20.55	
For >1,000, Deduct	-28.95	
21 13 13 00-0124 EA 1/2" NPT Thread, K=5.6, Quick Response, Pendant Stainless Steel Wet Pipe Sprinkler Head.....	207.13	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-12.25	
For >100 To 500, Deduct	-26.84	
For >500 To 1,000, Deduct	-43.71	
For >1,000, Deduct	-51.28	
21 13 13 00-0125 EA 3/4" NPT Thread, K=8.0, Quick Response, Pendant Stainless Steel Wet Pipe Sprinkler Head.....	228.10	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-13.51	
For >100 To 500, Deduct	-29.56	
For >500 To 1,000, Deduct	-48.20	
For >1,000, Deduct	-56.61	
21 13 13 00-0126 EA 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendant Brass Wet Pipe Sprinkler Head.....	111.96	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-7.49	
For >100 To 500, Deduct	-14.94	
For >500 To 1,000, Deduct	-26.58	
For >1,000, Deduct	-34.15	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0127	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	136.75	9.45
			<i>For &gt;25 To 50, Deduct</i>	-1.89	
			<i>For &gt;50 To 100, Deduct</i>	-8.73	
			<i>For &gt;100 To 500, Deduct</i>	-18.04	
			<i>For &gt;500 To 1,000, Deduct</i>	-31.05	
			<i>For &gt;1,000, Deduct</i>	-38.61	
21 13 13 00-0128	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head.....	240.43	9.45
			<i>For &gt;25 To 50, Deduct</i>	-1.89	
			<i>For &gt;50 To 100, Deduct</i>	-13.91	
			<i>For &gt;100 To 500, Deduct</i>	-31.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-49.71	
			<i>For &gt;1,000, Deduct</i>	-57.27	
21 13 13 00-0129	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	305.05	9.45
			<i>For &gt;25 To 50, Deduct</i>	-1.89	
			<i>For &gt;50 To 100, Deduct</i>	-17.14	
			<i>For &gt;100 To 500, Deduct</i>	-39.08	
			<i>For &gt;500 To 1,000, Deduct</i>	-61.34	
			<i>For &gt;1,000, Deduct</i>	-68.91	
21 13 13 00-0130	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head.....	140.95	10.50
			<i>For &gt;25 To 50, Deduct</i>	-2.10	
			<i>For &gt;50 To 100, Deduct</i>	-9.15	
			<i>For &gt;100 To 500, Deduct</i>	-18.67	
			<i>For &gt;500 To 1,000, Deduct</i>	-32.52	
			<i>For &gt;1,000, Deduct</i>	-40.92	
21 13 13 00-0131	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	141.70	10.50
			<i>For &gt;25 To 50, Deduct</i>	-2.10	
			<i>For &gt;50 To 100, Deduct</i>	-9.19	
			<i>For &gt;100 To 500, Deduct</i>	-18.76	
			<i>For &gt;500 To 1,000, Deduct</i>	-32.65	
			<i>For &gt;1,000, Deduct</i>	-41.06	
21 13 13 00-0132			Sidewall Wet Pipe Sprinkler Heads <small>(21 13 13 00-0024)</small>		
21 13 13 00-0133			Horizontal Sidewall Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0132)</small>		
21 13 13 00-0134	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	61.21	9.45
			<i>For &gt;25 To 50, Deduct</i>	-1.89	
			<i>For &gt;50 To 100, Deduct</i>	-4.95	
			<i>For &gt;100 To 500, Deduct</i>	-8.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-17.45	
			<i>For &gt;1,000, Deduct</i>	-25.01	
21 13 13 00-0135	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	62.86	9.45
			<i>For &gt;25 To 50, Deduct</i>	-1.89	
			<i>For &gt;50 To 100, Deduct</i>	-5.03	
			<i>For &gt;100 To 500, Deduct</i>	-8.80	
			<i>For &gt;500 To 1,000, Deduct</i>	-17.75	
			<i>For &gt;1,000, Deduct</i>	-25.31	
21 13 13 00-0136	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head.....	65.48	9.45
			<i>For &gt;25 To 50, Deduct</i>	-1.89	
			<i>For &gt;50 To 100, Deduct</i>	-5.17	
			<i>For &gt;100 To 500, Deduct</i>	-9.13	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.22	
			<i>For &gt;1,000, Deduct</i>	-25.78	
21 13 13 00-0137	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	62.14	9.45
			<i>For &gt;25 To 50, Deduct</i>	-1.89	
			<i>For &gt;50 To 100, Deduct</i>	-5.00	
			<i>For &gt;100 To 500, Deduct</i>	-8.71	
			<i>For &gt;500 To 1,000, Deduct</i>	-17.62	
			<i>For &gt;1,000, Deduct</i>	-25.18	
21 13 13 00-0138	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	63.83	9.45
			<i>For &gt;25 To 50, Deduct</i>	-1.89	
			<i>For &gt;50 To 100, Deduct</i>	-5.08	
			<i>For &gt;100 To 500, Deduct</i>	-8.92	
			<i>For &gt;500 To 1,000, Deduct</i>	-17.92	
			<i>For &gt;1,000, Deduct</i>	-25.49	
21 13 13 00-0139	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	66.49	9.45
			<i>For &gt;25 To 50, Deduct</i>	-1.89	
			<i>For &gt;50 To 100, Deduct</i>	-5.22	
			<i>For &gt;100 To 500, Deduct</i>	-9.26	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.40	
			<i>For &gt;1,000, Deduct</i>	-25.97	
21 13 13 00-0140	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	68.22	9.45
			<i>For &gt;25 To 50, Deduct</i>	-1.89	
			<i>For &gt;50 To 100, Deduct</i>	-5.30	
			<i>For &gt;100 To 500, Deduct</i>	-9.47	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.71	
			<i>For &gt;1,000, Deduct</i>	-26.28	
21 13 13 00-0141	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	70.91	9.45
			<i>For &gt;25 To 50, Deduct</i>	-1.89	
			<i>For &gt;50 To 100, Deduct</i>	-5.44	
			<i>For &gt;100 To 500, Deduct</i>	-9.81	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.19	
			<i>For &gt;1,000, Deduct</i>	-26.76	
21 13 13 00-0142	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	73.79	10.50
			<i>For &gt;25 To 50, Deduct</i>	-2.10	
			<i>For &gt;50 To 100, Deduct</i>	-5.79	
			<i>For &gt;100 To 500, Deduct</i>	-10.27	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.43	
			<i>For &gt;1,000, Deduct</i>	-28.83	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0143 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	77.82	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.99	
For >100 To 500, Deduct	-10.78	
For >500 To 1,000, Deduct	-21.15	
For >1,000, Deduct	-29.56	
21 13 13 00-0144 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	74.03	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-5.59	
For >100 To 500, Deduct	-10.20	
For >500 To 1,000, Deduct	-19.76	
For >1,000, Deduct	-27.32	
21 13 13 00-0145 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	76.70	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-5.73	
For >100 To 500, Deduct	-10.53	
For >500 To 1,000, Deduct	-20.24	
For >1,000, Deduct	-27.80	
21 13 13 00-0146 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	74.03	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-5.59	
For >100 To 500, Deduct	-10.20	
For >500 To 1,000, Deduct	-19.76	
For >1,000, Deduct	-27.32	
21 13 13 00-0147 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	76.70	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-5.73	
For >100 To 500, Deduct	-10.53	
For >500 To 1,000, Deduct	-20.24	
For >1,000, Deduct	-27.80	
21 13 13 00-0148 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	59.80	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-4.88	
For >100 To 500, Deduct	-8.42	
For >500 To 1,000, Deduct	-17.20	
For >1,000, Deduct	-24.76	
21 13 13 00-0149 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	61.17	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-4.95	
For >100 To 500, Deduct	-8.59	
For >500 To 1,000, Deduct	-17.44	
For >1,000, Deduct	-25.01	
21 13 13 00-0150 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head .....	62.87	9.45
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-5.04	
For >100 To 500, Deduct	-8.80	
For >500 To 1,000, Deduct	-17.75	
For >1,000, Deduct	-25.31	
21 13 13 00-0151 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	65.60	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.38	
For >100 To 500, Deduct	-9.25	
For >500 To 1,000, Deduct	-18.95	
For >1,000, Deduct	-27.36	
21 13 13 00-0152 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	67.07	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.46	
For >100 To 500, Deduct	-9.43	
For >500 To 1,000, Deduct	-19.22	
For >1,000, Deduct	-27.62	
21 13 13 00-0153 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head .....	68.65	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.53	
For >100 To 500, Deduct	-9.63	
For >500 To 1,000, Deduct	-19.50	
For >1,000, Deduct	-27.91	
21 13 13 00-0154 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	66.76	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.44	
For >100 To 500, Deduct	-9.40	
For >500 To 1,000, Deduct	-19.16	
For >1,000, Deduct	-27.57	
21 13 13 00-0155 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	68.29	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.52	
For >100 To 500, Deduct	-9.59	
For >500 To 1,000, Deduct	-19.44	
For >1,000, Deduct	-27.84	
21 13 13 00-0156 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head .....	69.93	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.60	
For >100 To 500, Deduct	-9.79	
For >500 To 1,000, Deduct	-19.73	
For >1,000, Deduct	-28.14	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0157	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	69.96	10.50
	For >25 To 50, Deduct	-2.10	
	For >50 To 100, Deduct	-5.60	
	For >100 To 500, Deduct	-9.80	
	For >500 To 1,000, Deduct	-19.74	
	For >1,000, Deduct	-28.14	
21 13 13 00-0158	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	72.21	10.50
	For >25 To 50, Deduct	-2.10	
	For >50 To 100, Deduct	-5.71	
	For >100 To 500, Deduct	-10.08	
	For >500 To 1,000, Deduct	-20.14	
	For >1,000, Deduct	-28.55	
21 13 13 00-0159	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head .....	72.21	10.50
	For >25 To 50, Deduct	-2.10	
	For >50 To 100, Deduct	-5.71	
	For >100 To 500, Deduct	-10.08	
	For >500 To 1,000, Deduct	-20.14	
	For >1,000, Deduct	-28.55	
21 13 13 00-0160	EA 1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	114.46	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-7.61	
	For >100 To 500, Deduct	-15.25	
	For >500 To 1,000, Deduct	-27.03	
	For >1,000, Deduct	-34.60	
21 13 13 00-0161	EA 1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head .....	114.46	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-7.61	
	For >100 To 500, Deduct	-15.25	
	For >500 To 1,000, Deduct	-27.03	
	For >1,000, Deduct	-34.60	
21 13 13 00-0162	EA 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	60.37	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-4.91	
	For >100 To 500, Deduct	-8.49	
	For >500 To 1,000, Deduct	-17.30	
	For >1,000, Deduct	-24.86	
21 13 13 00-0163	EA 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	60.37	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-4.91	
	For >100 To 500, Deduct	-8.49	
	For >500 To 1,000, Deduct	-17.30	
	For >1,000, Deduct	-24.86	
21 13 13 00-0164	EA 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head .....	60.37	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-4.91	
	For >100 To 500, Deduct	-8.49	
	For >500 To 1,000, Deduct	-17.30	
	For >1,000, Deduct	-24.86	
<b>21 13 13 00-0165 Vertical Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0132)</b>			
21 13 13 00-0166	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head.....	63.35	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-5.06	
	For >100 To 500, Deduct	-8.86	
	For >500 To 1,000, Deduct	-17.83	
	For >1,000, Deduct	-25.40	
21 13 13 00-0167	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head .....	65.42	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-5.16	
	For >100 To 500, Deduct	-9.12	
	For >500 To 1,000, Deduct	-18.21	
	For >1,000, Deduct	-25.77	
21 13 13 00-0168	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head .....	66.30	9.45
	For >25 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-5.21	
	For >100 To 500, Deduct	-9.23	
	For >500 To 1,000, Deduct	-18.37	
	For >1,000, Deduct	-25.93	
<b>21 13 13 00-0169 Concealed Wet Pipe Sprinkler Heads (21 13 13 00-0024)</b>			
<b>21 13 13 00-0170 Concealed Pendant Wet-Pipe Sprinkler Heads (21 13 13 00-0169)</b>			
21 13 13 00-0171	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead .....	91.02	12.61
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-2.52	
	For >50 To 100, Deduct	-7.07	
	For >100 To 500, Deduct	-12.64	
	For >500 To 1,000, Deduct	-24.96	
	For >1,000, Deduct	-35.04	
21 13 13 00-0172	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	66.79	12.61
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-2.52	
	For >50 To 100, Deduct	-5.86	
	For >100 To 500, Deduct	-9.61	
	For >500 To 1,000, Deduct	-20.60	
	For >1,000, Deduct	-30.68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0173 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head .....67.68		12.61
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.52	
For >50 To 100, Deduct	-5.91	
For >100 To 500, Deduct	-9.72	
For >500 To 1,000, Deduct	-20.76	
For >1,000, Deduct	-30.84	
21 13 13 00-0174 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head.....83.90		13.66
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.73	
For >50 To 100, Deduct	-6.93	
For >100 To 500, Deduct	-11.85	
For >500 To 1,000, Deduct	-24.39	
For >1,000, Deduct	-35.32	
21 13 13 00-0175 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head.....79.69		12.61
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.52	
For >50 To 100, Deduct	-6.51	
For >100 To 500, Deduct	-11.22	
For >500 To 1,000, Deduct	-22.92	
For >1,000, Deduct	-33.00	
21 13 13 00-0176 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head.....79.69		12.61
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.52	
For >50 To 100, Deduct	-6.51	
For >100 To 500, Deduct	-11.22	
For >500 To 1,000, Deduct	-22.92	
For >1,000, Deduct	-33.00	
21 13 13 00-0177 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....83.90		13.66
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.73	
For >50 To 100, Deduct	-6.93	
For >100 To 500, Deduct	-11.85	
For >500 To 1,000, Deduct	-24.39	
For >1,000, Deduct	-35.32	
21 13 13 00-0178 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....74.02		12.61
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.52	
For >50 To 100, Deduct	-6.22	
For >100 To 500, Deduct	-10.51	
For >500 To 1,000, Deduct	-21.90	
For >1,000, Deduct	-31.98	
21 13 13 00-0179 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....79.69		12.61
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.52	
For >50 To 100, Deduct	-6.51	
For >100 To 500, Deduct	-11.22	
For >500 To 1,000, Deduct	-22.92	
For >1,000, Deduct	-33.00	
21 13 13 00-0180 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....79.69		12.61
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.52	
For >50 To 100, Deduct	-6.51	
For >100 To 500, Deduct	-11.22	
For >500 To 1,000, Deduct	-22.92	
For >1,000, Deduct	-33.00	
21 13 13 00-0181 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....75.36		12.61
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.52	
For >50 To 100, Deduct	-6.29	
For >100 To 500, Deduct	-10.68	
For >500 To 1,000, Deduct	-22.14	
For >1,000, Deduct	-32.22	
21 13 13 00-0182 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head .....121.88		14.71
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.94	
For >50 To 100, Deduct	-9.04	
For >100 To 500, Deduct	-16.71	
For >500 To 1,000, Deduct	-31.94	
For >1,000, Deduct	-43.71	
21 13 13 00-0183 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head .....71.20		12.61
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.52	
For >50 To 100, Deduct	-6.08	
For >100 To 500, Deduct	-10.16	
For >500 To 1,000, Deduct	-21.39	
For >1,000, Deduct	-31.48	
21 13 13 00-0184 EA 3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head .....75.04		13.66
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.73	
For >50 To 100, Deduct	-6.48	
For >100 To 500, Deduct	-10.75	
For >500 To 1,000, Deduct	-22.80	
For >1,000, Deduct	-33.72	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0185	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	71.99	12.61
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.52	
			For >50 To 100, Deduct	-6.12	
			For >100 To 500, Deduct	-10.26	
			For >500 To 1,000, Deduct	-21.53	
			For >1,000, Deduct	-31.62	
21 13 13 00-0186	EA		3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	76.20	13.66
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.73	
			For >50 To 100, Deduct	-6.54	
			For >100 To 500, Deduct	-10.89	
			For >500 To 1,000, Deduct	-23.00	
			For >1,000, Deduct	-33.93	
21 13 13 00-0187	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	84.27	13.66
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.73	
			For >50 To 100, Deduct	-6.95	
			For >100 To 500, Deduct	-11.90	
			For >500 To 1,000, Deduct	-24.46	
			For >1,000, Deduct	-35.39	
21 13 13 00-0188	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Coverplate .....	140.27	14.71
			For >25 To 50, Deduct	-2.94	
			For >50 To 100, Deduct	-9.96	
			For >100 To 500, Deduct	-19.00	
			For >500 To 1,000, Deduct	-35.25	
			For >1,000, Deduct	-47.02	
21 13 13 00-0189	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Coverplate.....	140.27	14.71
			For >25 To 50, Deduct	-2.94	
			For >50 To 100, Deduct	-9.96	
			For >100 To 500, Deduct	-19.00	
			For >500 To 1,000, Deduct	-35.25	
			For >1,000, Deduct	-47.02	
<b>21 13 13 00-0190</b>			<b>Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads</b> <small>(21 13 13 00-0169)</small>		
21 13 13 00-0191	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	97.76	12.61
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.52	
			For >50 To 100, Deduct	-7.41	
			For >100 To 500, Deduct	-13.48	
			For >500 To 1,000, Deduct	-26.17	
			For >1,000, Deduct	-36.26	
21 13 13 00-0192	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	109.86	13.66
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.73	
			For >50 To 100, Deduct	-8.23	
			For >100 To 500, Deduct	-15.10	
			For >500 To 1,000, Deduct	-29.06	
			For >1,000, Deduct	-39.99	
21 13 13 00-0193	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	78.06	12.61
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.52	
			For >50 To 100, Deduct	-6.42	
			For >100 To 500, Deduct	-11.02	
			For >500 To 1,000, Deduct	-22.62	
			For >1,000, Deduct	-32.71	
21 13 13 00-0194	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	79.27	13.66
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.73	
			For >50 To 100, Deduct	-6.70	
			For >100 To 500, Deduct	-11.27	
			For >500 To 1,000, Deduct	-23.56	
			For >1,000, Deduct	-34.49	
<b>21 13 13 00-0195</b>			<b>Institutional Tamper Resistant Wet Pipe Sprinkler Heads</b> <small>(21 13 13 00-0024)</small>		
21 13 13 00-0196	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head.....	225.35	10.50
			Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
			For >25 To 50, Deduct	-2.10	
			For >50 To 100, Deduct	-13.37	
			For >100 To 500, Deduct	-29.22	
			For >500 To 1,000, Deduct	-47.71	
			For >1,000, Deduct	-56.11	
21 13 13 00-0197	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	220.05	10.50
			Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
			For >25 To 50, Deduct	-2.10	
			For >50 To 100, Deduct	-13.10	
			For >100 To 500, Deduct	-28.56	
			For >500 To 1,000, Deduct	-46.75	
			For >1,000, Deduct	-55.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0198 EA 1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head .....	98.08	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-7.01	
For >100 To 500, Deduct	-13.31	
For >500 To 1,000, Deduct	-24.80	
For >1,000, Deduct	-33.21	
21 13 13 00-0199 EA 1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	109.07	10.50
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-7.56	
For >100 To 500, Deduct	-14.68	
For >500 To 1,000, Deduct	-26.78	
For >1,000, Deduct	-35.18	
<b>21 13 13 00-0200 Wet Pipe Sprinkler Head Accessories (21 13 13 00-0011)</b>		
<b>21 13 13 00-0201 Sprinkler Adjustable Steel Drop Nipple (21 13 13 00-0200)</b>		
21 13 13 00-0202 EA 1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150) .....	39.13	10.78
For >25 To 50, Deduct	-0.90	
For >50 To 100, Deduct	-2.86	
For >100 To 500, Deduct	-5.34	
For >500 To 1,000, Deduct	-10.10	
For >1,000, Deduct	-13.70	
21 13 13 00-0203 EA 1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150) .....	39.13	10.78
For >25 To 50, Deduct	-0.90	
For >50 To 100, Deduct	-2.86	
For >100 To 500, Deduct	-5.34	
For >500 To 1,000, Deduct	-10.10	
For >1,000, Deduct	-13.70	
21 13 13 00-0204 EA 1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150) .....	39.56	10.78
For >25 To 50, Deduct	-0.90	
For >50 To 100, Deduct	-2.88	
For >100 To 500, Deduct	-5.39	
For >500 To 1,000, Deduct	-10.18	
For >1,000, Deduct	-13.77	
21 13 13 00-0205 EA 1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150) .....	35.11	10.78
For >25 To 50, Deduct	-0.90	
For >50 To 100, Deduct	-2.65	
For >100 To 500, Deduct	-4.84	
For >500 To 1,000, Deduct	-9.38	
For >1,000, Deduct	-12.97	
21 13 13 00-0206 EA 1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150) .....	35.11	10.78
For >25 To 50, Deduct	-0.90	
For >50 To 100, Deduct	-2.65	
For >100 To 500, Deduct	-4.84	
For >500 To 1,000, Deduct	-9.38	
For >1,000, Deduct	-12.97	
21 13 13 00-0207 EA 1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150) .....	35.11	10.78
For >25 To 50, Deduct	-0.90	
For >50 To 100, Deduct	-2.65	
For >100 To 500, Deduct	-4.84	
For >500 To 1,000, Deduct	-9.38	
For >1,000, Deduct	-12.97	
21 13 13 00-0208 EA 1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175) .....	39.18	11.73
For >25 To 50, Deduct	-0.98	
For >50 To 100, Deduct	-2.94	
For >100 To 500, Deduct	-5.39	
For >500 To 1,000, Deduct	-10.38	
For >1,000, Deduct	-14.29	
<b>21 13 13 00-0209 Sprinkler Head Escutcheon (21 13 13 00-0200)</b>		
21 13 13 00-0210 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon .....	14.97	3.78
For >25 To 50, Deduct	-0.32	
For >50 To 100, Deduct	-1.06	
For >100 To 500, Deduct	-2.03	
For >500 To 1,000, Deduct	-3.77	
For >1,000, Deduct	-5.03	
21 13 13 00-0211 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon .....	10.59	3.78
For >25 To 50, Deduct	-0.32	
For >50 To 100, Deduct	-0.84	
For >100 To 500, Deduct	-1.48	
For >500 To 1,000, Deduct	-2.98	
For >1,000, Deduct	-4.24	
21 13 13 00-0212 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon .....	10.59	3.78
For >25 To 50, Deduct	-0.32	
For >50 To 100, Deduct	-0.84	
For >100 To 500, Deduct	-1.48	
For >500 To 1,000, Deduct	-2.98	
For >1,000, Deduct	-4.24	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0213	EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon .....	14.97	3.78
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.06	
	For >100 To 500, Deduct	-2.03	
	For >500 To 1,000, Deduct	-3.77	
	For >1,000, Deduct	-5.03	
21 13 13 00-0214	EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	10.59	3.78
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-0.84	
	For >100 To 500, Deduct	-1.48	
	For >500 To 1,000, Deduct	-2.98	
	For >1,000, Deduct	-4.24	
21 13 13 00-0215	EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon .....	10.59	3.78
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-0.84	
	For >100 To 500, Deduct	-1.48	
	For >500 To 1,000, Deduct	-2.98	
	For >1,000, Deduct	-4.24	
21 13 13 00-0216	EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon .....	14.18	3.78
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.02	
	For >100 To 500, Deduct	-1.93	
	For >500 To 1,000, Deduct	-3.62	
	For >1,000, Deduct	-4.88	
21 13 13 00-0217	EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	10.59	3.78
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-0.84	
	For >100 To 500, Deduct	-1.48	
	For >500 To 1,000, Deduct	-2.98	
	For >1,000, Deduct	-4.24	
21 13 13 00-0218	EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon .....	10.59	3.78
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-0.84	
	For >100 To 500, Deduct	-1.48	
	For >500 To 1,000, Deduct	-2.98	
	For >1,000, Deduct	-4.24	
21 13 13 00-0219	EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon .....	14.18	3.78
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.02	
	For >100 To 500, Deduct	-1.93	
	For >500 To 1,000, Deduct	-3.62	
	For >1,000, Deduct	-4.88	
21 13 13 00-0220	EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	10.59	3.78
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-0.84	
	For >100 To 500, Deduct	-1.48	
	For >500 To 1,000, Deduct	-2.98	
	For >1,000, Deduct	-4.24	
21 13 13 00-0221	EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon .....	10.59	3.78
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-0.84	
	For >100 To 500, Deduct	-1.48	
	For >500 To 1,000, Deduct	-2.98	
	For >1,000, Deduct	-4.24	
21 13 13 00-0222	EA 3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon .....	14.57	3.78
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.04	
	For >100 To 500, Deduct	-1.98	
	For >500 To 1,000, Deduct	-3.69	
	For >1,000, Deduct	-4.95	
21 13 13 00-0223	EA 3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon .....	14.57	3.78
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.04	
	For >100 To 500, Deduct	-1.98	
	For >500 To 1,000, Deduct	-3.69	
	For >1,000, Deduct	-4.95	
21 13 13 00-0224	EA 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon .....	5.95	2.78
	For >25 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.51	
	For >100 To 500, Deduct	-0.85	
	For >500 To 1,000, Deduct	-1.79	
	For >1,000, Deduct	-2.63	
21 13 13 00-0225	EA 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon.....	5.40	2.78
	For >25 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.48	
	For >100 To 500, Deduct	-0.78	
	For >500 To 1,000, Deduct	-1.69	
	For >1,000, Deduct	-2.53	
21 13 13 00-0226	EA 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon .....	5.55	2.78
	For >25 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.49	
	For >100 To 500, Deduct	-0.80	
	For >500 To 1,000, Deduct	-1.71	
	For >1,000, Deduct	-2.55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0227 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon .....	6.05	2.78
For >25 To 50, Deduct	-0.21	
For >50 To 100, Deduct	-0.51	
For >100 To 500, Deduct	-0.86	
For >500 To 1,000, Deduct	-1.80	
For >1,000, Deduct	-2.64	
21 13 13 00-0228 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon.....	5.50	2.78
For >25 To 50, Deduct	-0.21	
For >50 To 100, Deduct	-0.49	
For >100 To 500, Deduct	-0.79	
For >500 To 1,000, Deduct	-1.70	
For >1,000, Deduct	-2.54	
21 13 13 00-0229 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon .....	5.50	2.78
For >25 To 50, Deduct	-0.21	
For >50 To 100, Deduct	-0.49	
For >100 To 500, Deduct	-0.79	
For >500 To 1,000, Deduct	-1.70	
For >1,000, Deduct	-2.54	
21 13 13 00-0230 EA 2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon.....	6.62	2.78
For >25 To 50, Deduct	-0.21	
For >50 To 100, Deduct	-0.54	
For >100 To 500, Deduct	-0.93	
For >500 To 1,000, Deduct	-1.91	
For >1,000, Deduct	-2.75	
21 13 13 00-0231 EA 2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon .....	5.49	2.78
For >25 To 50, Deduct	-0.21	
For >50 To 100, Deduct	-0.48	
For >100 To 500, Deduct	-0.79	
For >500 To 1,000, Deduct	-1.70	
For >1,000, Deduct	-2.54	
21 13 13 00-0232 EA 2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon.....	5.49	2.78
For >25 To 50, Deduct	-0.21	
For >50 To 100, Deduct	-0.48	
For >100 To 500, Deduct	-0.79	
For >500 To 1,000, Deduct	-1.70	
For >1,000, Deduct	-2.54	
21 13 13 00-0233 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon .....	8.94	3.88
For >25 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.74	
For >100 To 500, Deduct	-1.26	
For >500 To 1,000, Deduct	-2.61	
For >1,000, Deduct	-3.78	
21 13 13 00-0234 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon .....	8.63	3.88
For >25 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.73	
For >100 To 500, Deduct	-1.23	
For >500 To 1,000, Deduct	-2.55	
For >1,000, Deduct	-3.73	
21 13 13 00-0235 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon .....	8.74	3.88
For >25 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.73	
For >100 To 500, Deduct	-1.24	
For >500 To 1,000, Deduct	-2.57	
For >1,000, Deduct	-3.75	
21 13 13 00-0236 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon .....	9.04	3.88
For >25 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.75	
For >100 To 500, Deduct	-1.28	
For >500 To 1,000, Deduct	-2.63	
For >1,000, Deduct	-3.80	
21 13 13 00-0237 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon .....	8.74	3.88
For >25 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.73	
For >100 To 500, Deduct	-1.24	
For >500 To 1,000, Deduct	-2.57	
For >1,000, Deduct	-3.75	
21 13 13 00-0238 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon .....	8.94	3.88
For >25 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.74	
For >100 To 500, Deduct	-1.26	
For >500 To 1,000, Deduct	-2.61	
For >1,000, Deduct	-3.78	
21 13 13 00-0239 EA Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	18.18	3.78
For >25 To 50, Deduct	-0.32	
For >50 To 100, Deduct	-1.22	
For >100 To 500, Deduct	-2.43	
For >500 To 1,000, Deduct	-4.34	
For >1,000, Deduct	-5.60	
21 13 13 00-0240 EA Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head .....	18.18	3.78
For >25 To 50, Deduct	-0.32	
For >50 To 100, Deduct	-1.22	
For >100 To 500, Deduct	-2.43	
For >500 To 1,000, Deduct	-4.34	
For >1,000, Deduct	-5.60	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0241	EA Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	18.18	3.78
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.22	
	For >100 To 500, Deduct	-2.43	
	For >500 To 1,000, Deduct	-4.34	
	For >1,000, Deduct	-5.60	
21 13 13 00-0242	EA Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head .....	18.18	3.78
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.22	
	For >100 To 500, Deduct	-2.43	
	For >500 To 1,000, Deduct	-4.34	
	For >1,000, Deduct	-5.60	
21 13 13 00-0243	EA Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head.....	18.18	3.78
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.22	
	For >100 To 500, Deduct	-2.43	
	For >500 To 1,000, Deduct	-4.34	
	For >1,000, Deduct	-5.60	
21 13 13 00-0244	EA White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head .....	18.18	3.78
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.22	
	For >100 To 500, Deduct	-2.43	
	For >500 To 1,000, Deduct	-4.34	
	For >1,000, Deduct	-5.60	
21 13 13 00-0245	EA 2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	20.90	3.78
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.36	
	For >100 To 500, Deduct	-2.77	
	For >500 To 1,000, Deduct	-4.83	
	For >1,000, Deduct	-6.09	
21 13 13 00-0246	EA 2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head .....	21.53	3.78
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.39	
	For >100 To 500, Deduct	-2.85	
	For >500 To 1,000, Deduct	-4.95	
	For >1,000, Deduct	-6.21	
<b>21 13 13 00-0247</b>	<b>Coverplate For Sprinkler Heads (21 13 13 00-0200)</b>		
21 13 13 00-0248	EA Chrome Coverplate For Concealed Pendent Sprinkler Head.....	42.46	4.28
	For >25 To 50, Deduct	-0.36	
	For >50 To 100, Deduct	-2.48	
	For >100 To 500, Deduct	-5.49	
	For >500 To 1,000, Deduct	-8.86	
	For >1,000, Deduct	-10.28	
21 13 13 00-0249	EA White Coverplate For Concealed Pendent Sprinkler Head .....	20.90	4.28
	For >25 To 50, Deduct	-0.36	
	For >50 To 100, Deduct	-1.40	
	For >100 To 500, Deduct	-2.79	
	For >500 To 1,000, Deduct	-4.98	
	For >1,000, Deduct	-6.40	
21 13 13 00-0250	EA Specialty Coverplate For Concealed Pendent Sprinkler Head.....	30.25	4.28
	For >25 To 50, Deduct	-0.36	
	For >50 To 100, Deduct	-1.87	
	For >100 To 500, Deduct	-3.96	
	For >500 To 1,000, Deduct	-6.66	
	For >1,000, Deduct	-8.09	
21 13 13 00-0251	EA Brass Coverplate For Concealed Sidewall Sprinkler Head .....	27.83	4.28
	For >25 To 50, Deduct	-0.36	
	For >50 To 100, Deduct	-1.75	
	For >100 To 500, Deduct	-3.66	
	For >500 To 1,000, Deduct	-6.22	
	For >1,000, Deduct	-7.65	
21 13 13 00-0252	EA Chrome Coverplate For Concealed Sidewall Sprinkler Head.....	22.33	4.28
	For >25 To 50, Deduct	-0.36	
	For >50 To 100, Deduct	-1.47	
	For >100 To 500, Deduct	-2.97	
	For >500 To 1,000, Deduct	-5.23	
	For >1,000, Deduct	-6.66	
21 13 13 00-0253	EA White Coverplate For Concealed Sidewall Sprinkler Head .....	22.33	4.28
	For >25 To 50, Deduct	-0.36	
	For >50 To 100, Deduct	-1.47	
	For >100 To 500, Deduct	-2.97	
	For >500 To 1,000, Deduct	-5.23	
	For >1,000, Deduct	-6.66	
21 13 13 00-0254	EA Off-White Coverplate For Concealed Sidewall Sprinkler Head .....	27.83	4.28
	For >25 To 50, Deduct	-0.36	
	For >50 To 100, Deduct	-1.75	
	For >100 To 500, Deduct	-3.66	
	For >500 To 1,000, Deduct	-6.22	
	For >1,000, Deduct	-7.65	
21 13 13 00-0255	EA Black Painted Coverplate For Concealed Sidewall Sprinkler Head.....	27.83	4.28
	For >25 To 50, Deduct	-0.36	
	For >50 To 100, Deduct	-1.75	
	For >100 To 500, Deduct	-3.66	
	For >500 To 1,000, Deduct	-6.22	
	For >1,000, Deduct	-7.65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0256 EA Black Plated Coverplate For Concealed Sidewall Sprinkler Head .....	32.18	4.28
For >25 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-1.97	
For >100 To 500, Deduct	-4.20	
For >500 To 1,000, Deduct	-7.01	
For >1,000, Deduct	-8.43	
21 13 13 00-0257 EA Bright Brass Coverplate For Concealed Sidewall Sprinkler Head .....	32.18	4.28
For >25 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-1.97	
For >100 To 500, Deduct	-4.20	
For >500 To 1,000, Deduct	-7.01	
For >1,000, Deduct	-8.43	
21 13 13 00-0258 EA Satin Chrome Coverplate For Concealed Sidewall Sprinkler Head .....	32.18	4.28
For >25 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-1.97	
For >100 To 500, Deduct	-4.20	
For >500 To 1,000, Deduct	-7.01	
For >1,000, Deduct	-8.43	
21 13 13 00-0259 EA Specialty Coverplate For Concealed Sidewall Sprinkler Head .....	27.85	4.28
For >25 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-1.75	
For >100 To 500, Deduct	-3.66	
For >500 To 1,000, Deduct	-6.23	
For >1,000, Deduct	-7.65	
21 13 13 00-0260 EA White Coverplate For Quick Release Concealed Sidewall Sprinkler Head .....	47.25	5.04
For >25 To 50, Deduct	-0.42	
For >50 To 100, Deduct	-2.78	
For >100 To 500, Deduct	-6.12	
For >500 To 1,000, Deduct	-9.93	
For >1,000, Deduct	-11.61	
<b>21 13 13 00-0261 Sprinkler Escutcheon Extension Tube</b> <small>(21 13 13 00-0200)</small>		
21 13 13 00-0262 EA 2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube .....	11.03	2.53
Note: For use with 2 piece escutcheons		
For >25 To 50, Deduct	-0.21	
For >50 To 100, Deduct	-0.76	
For >100 To 500, Deduct	-1.48	
For >500 To 1,000, Deduct	-2.70	
For >1,000, Deduct	-3.54	
21 13 13 00-0263 EA 2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube .....	14.28	2.65
Note: For use with 2 piece escutcheons		
For >25 To 50, Deduct	-0.22	
For >50 To 100, Deduct	-0.93	
For >100 To 500, Deduct	-1.90	
For >500 To 1,000, Deduct	-3.32	
For >1,000, Deduct	-4.20	
21 13 13 00-0264 EA 2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube .....	17.91	2.78
Note: For use with 2 piece escutcheons		
For >25 To 50, Deduct	-0.23	
For >50 To 100, Deduct	-1.13	
For >100 To 500, Deduct	-2.35	
For >500 To 1,000, Deduct	-4.01	
For >1,000, Deduct	-4.94	
21 13 13 00-0265 EA 2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube .....	21.15	2.90
Note: For use with 2 piece escutcheons		
For >25 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-1.30	
For >100 To 500, Deduct	-2.76	
For >500 To 1,000, Deduct	-4.63	
For >1,000, Deduct	-5.59	
<b>21 13 13 00-0266 Sprinkler Head Guards</b> <small>(21 13 13 00-0200)</small>		
21 13 13 00-0267 EA Universal Sprinkler Head Guard, C-1 .....	16.96	7.57
For >25 To 50, Deduct	-0.63	
For >50 To 100, Deduct	-1.48	
For >100 To 500, Deduct	-2.44	
For >500 To 1,000, Deduct	-5.20	
For >1,000, Deduct	-7.72	
21 13 13 00-0268 EA Dry Pendent Sprinkler Head Guard, C-2 .....	18.64	7.57
For >25 To 50, Deduct	-0.63	
For >50 To 100, Deduct	-1.56	
For >100 To 500, Deduct	-2.65	
For >500 To 1,000, Deduct	-5.50	
For >1,000, Deduct	-8.02	
21 13 13 00-0269 EA Upright Sprinkler Head Guard With Water Shield, C-3 .....	21.51	7.57
For >25 To 50, Deduct	-0.63	
For >50 To 100, Deduct	-1.71	
For >100 To 500, Deduct	-3.00	
For >500 To 1,000, Deduct	-6.02	
For >1,000, Deduct	-8.54	
21 13 13 00-0270 EA Pendent Sprinkler Head Guard With Water Shield, C-5 .....	25.05	7.57
For >25 To 50, Deduct	-0.63	
For >50 To 100, Deduct	-1.88	
For >100 To 500, Deduct	-3.45	
For >500 To 1,000, Deduct	-6.65	
For >1,000, Deduct	-9.17	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0271	EA Universal Sprinkler Head Guard, D-1.....	18.58	7.57
	For >25 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.56	
	For >100 To 500, Deduct	-2.64	
	For >500 To 1,000, Deduct	-5.49	
	For >1,000, Deduct	-8.01	
21 13 13 00-0272	EA Upright Sprinkler Head Guard With Water Shield, D-3.....	19.67	7.57
	For >25 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.61	
	For >100 To 500, Deduct	-2.77	
	For >500 To 1,000, Deduct	-5.68	
	For >1,000, Deduct	-8.21	
21 13 13 00-0273	EA Pendent Sprinkler Head Guard With Large Water Shield, D-4.....	27.79	7.57
	For >25 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-2.02	
	For >100 To 500, Deduct	-3.79	
	For >500 To 1,000, Deduct	-7.15	
	For >1,000, Deduct	-9.67	
21 13 13 00-0274	EA Pendent Sprinkler Head Guard With Small Water Shield, D-5.....	26.16	7.57
	For >25 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.94	
	For >100 To 500, Deduct	-3.59	
	For >500 To 1,000, Deduct	-6.85	
	For >1,000, Deduct	-9.37	
<b>21 13 13 00-0275</b>	<b>Replacement Sprinkler Escutcheon (21 13 13 00-0200)</b>		
21 13 13 00-0276	EA Push On, Brass Replacement Sprinkler Escutcheon.....	7.96	2.78
	For >25 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.61	
	For >100 To 500, Deduct	-1.10	
	For >500 To 1,000, Deduct	-2.15	
	For >1,000, Deduct	-2.99	
21 13 13 00-0277	EA Push On, Chrome Replacement Sprinkler Escutcheon.....	7.91	2.78
	For >25 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.61	
	For >100 To 500, Deduct	-1.09	
	For >500 To 1,000, Deduct	-2.14	
	For >1,000, Deduct	-2.98	
21 13 13 00-0278	EA Push On, White Replacement Sprinkler Escutcheon.....	7.91	2.78
	For >25 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.61	
	For >100 To 500, Deduct	-1.09	
	For >500 To 1,000, Deduct	-2.14	
	For >1,000, Deduct	-2.98	
21 13 13 00-0279	EA Flush, Brass Replacement Sprinkler Escutcheon.....	7.91	2.78
	For >25 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.61	
	For >100 To 500, Deduct	-1.09	
	For >500 To 1,000, Deduct	-2.14	
	For >1,000, Deduct	-2.98	
21 13 13 00-0280	EA Flush, Chrome Replacement Sprinkler Escutcheon.....	7.91	2.78
	For >25 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.61	
	For >100 To 500, Deduct	-1.09	
	For >500 To 1,000, Deduct	-2.14	
	For >1,000, Deduct	-2.98	
21 13 13 00-0281	EA Flush, White Replacement Sprinkler Escutcheon.....	9.56	2.78
	For >25 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.69	
	For >100 To 500, Deduct	-1.30	
	For >500 To 1,000, Deduct	-2.43	
	For >1,000, Deduct	-3.27	
21 13 13 00-0282	EA Deep, Brass Replacement Sprinkler Escutcheon.....	7.91	2.78
	For >25 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.61	
	For >100 To 500, Deduct	-1.09	
	For >500 To 1,000, Deduct	-2.14	
	For >1,000, Deduct	-2.98	
21 13 13 00-0283	EA Deep, Chrome Replacement Sprinkler Escutcheon.....	7.91	2.78
	For >25 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.61	
	For >100 To 500, Deduct	-1.09	
	For >500 To 1,000, Deduct	-2.14	
	For >1,000, Deduct	-2.98	
21 13 13 00-0284	EA Deep, White Replacement Sprinkler Escutcheon.....	7.91	2.78
	For >25 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.61	
	For >100 To 500, Deduct	-1.09	
	For >500 To 1,000, Deduct	-2.14	
	For >1,000, Deduct	-2.98	
<b>21 13 13 00-0285</b>	<b>Pendent Shield And O-Ring Assembly (21 13 13 00-0200)</b>		
21 13 13 00-0286	EA Pendent Shield And O-Ring Assembly.....	12.86	5.55
	For >25 To 50, Deduct	-0.42	
	For >50 To 100, Deduct	-1.06	
	For >100 To 500, Deduct	-1.82	
	For >500 To 1,000, Deduct	-3.74	
	For >1,000, Deduct	-5.42	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>21 13 13 00-0287</b>	<b>Replacement Insulating Sealing Assembly</b> <small>(21 13 13 00-0200)</small>		
21 13 13 00-0288	EA Insulating Sealing Assembly .....	52.01	12.61
	For >100 To 500, Deduct	-7.13	
	For >500 To 1,000, Deduct	-13.65	

<b>21 13 13 00-0289</b>	<b>Flexible Sprinkler Piping</b> <small>(21 13 13 00-0011)</small>		
	Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0290	EA 2' Long Stainless Steel Flexible Sprinkler Piping .....	54.93	13.03
	Note: Includes ceiling mounting bracket.		
	For >25 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-4.06	
	For >100 To 500, Deduct	-7.52	
	For >500 To 1,000, Deduct	-14.35	
	For >1,000, Deduct	-19.60	
21 13 13 00-0291	EA 3' Long Stainless Steel Flexible Sprinkler Piping .....	60.69	13.44
	Note: Includes ceiling mounting bracket.		
	For >25 To 50, Deduct	-1.38	
	For >50 To 100, Deduct	-4.42	
	For >100 To 500, Deduct	-8.28	
	For >500 To 1,000, Deduct	-15.62	
	For >1,000, Deduct	-21.15	
21 13 13 00-0292	EA 4' Long Stainless Steel Flexible Sprinkler Piping .....	66.57	14.29
	Note: Includes ceiling mounting bracket.		
	For >25 To 50, Deduct	-1.46	
	For >50 To 100, Deduct	-4.79	
	For >100 To 500, Deduct	-9.05	
	For >500 To 1,000, Deduct	-16.94	
	For >1,000, Deduct	-22.78	
21 13 13 00-0293	EA 5' Long Stainless Steel Flexible Sprinkler Piping .....	72.66	15.13
	Note: Includes ceiling mounting bracket.		
	For >25 To 50, Deduct	-1.55	
	For >50 To 100, Deduct	-5.18	
	For >100 To 500, Deduct	-9.86	
	For >500 To 1,000, Deduct	-18.33	
	For >1,000, Deduct	-24.51	
21 13 13 00-0294	EA 6' Long Stainless Steel Flexible Sprinkler Piping .....	78.95	16.81
	Note: Includes ceiling mounting bracket.		
	For >25 To 50, Deduct	-1.64	
	For >50 To 100, Deduct	-5.59	
	For >100 To 500, Deduct	-10.69	
	For >500 To 1,000, Deduct	-19.79	
	For >1,000, Deduct	-26.36	

<b>21 13 13 00-0295</b>	<b>Sprinkler Emergency Cabinets</b> <small>(21 13 13 00-0011)</small>		
21 13 13 00-0296	EA 3 Capacity Emergency Sprinkler Cabinet, A4 .....	79.79	
21 13 13 00-0297	EA 6 Capacity Emergency Sprinkler Cabinet, A4 .....	83.99	
21 13 13 00-0298	EA 12 Capacity Emergency Sprinkler Cabinet, A4 .....	88.12	
21 13 13 00-0299	EA 12 Capacity Emergency Sprinkler Cabinet, A3 .....	267.29	
21 13 13 00-0300	EA Sprinkler Wrench, RC1 .....	124.89	
21 13 13 00-0301	EA Sprinkler Wrench, FC .....	124.41	
21 13 13 00-0302	EA Sprinkler Wrench, W2 .....	41.31	

**21 13 16 Dry-Pipe Sprinkler Systems** (21 13)

<b>21 13 16 00-0001</b>	<b>Complete Dry Pipe Sprinkler Systems</b> <small>(21 13 16)</small>		
	Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1396 for individual grooved pipe, 23 21 13 23-1469 for individual grooved pipe fittings.		

<b>21 13 16 00-0002</b>	<b>Light Hazard, Dry-Pipe Sprinkler Systems</b> <small>(21 13 16 00-0001)</small>		
21 13 16 00-0003	EA Exposed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head .....	367.76	
	Note: Includes branch pipe and fittings, supports and sprinkler heads.		
	For Up To 5, Add	170.71	
	For >5 To 10, Add	95.78	
	For >10 To 20, Add	72.18	
	For >20 To 40, Add	30.19	
	For >100 To 150, Deduct	-36.78	
	For >150, Deduct	-73.55	
	For Copper Pipe, Add	43.36	
	For Polyvinyl Chloride (PVC) Pipe, Deduct	-61.75	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0004	EA		Concealed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head.....463.69 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			For Up To 5, Add	217.49	
			For >5 To 10, Add	126.41	
			For >10 To 20, Add	94.39	
			For >20 To 40, Add	39.19	
			For >100 To 150, Deduct	-46.37	
			For >150, Deduct	-92.74	
			For Copper Pipe, Add	53.55	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-76.73	
21 13 16 00-0005			<b>Ordinary Hazard, Dry-Pipe Sprinkler Systems (21 13 16 00-0001)</b>		
21 13 16 00-0006	EA		Exposed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head.....372.53 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Up To 5, Add	172.32	
			For >5 To 10, Add	95.52	
			For >10 To 20, Add	72.22	
			For >20 To 40, Add	30.28	
			For >100 To 150, Deduct	-37.25	
			For >150, Deduct	-74.51	
			For Copper Pipe, Add	44.23	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-62.85	
21 13 16 00-0007	EA		Concealed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head.....466.19 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			For Up To 5, Add	218.11	
			For >5 To 10, Add	125.69	
			For >10 To 20, Add	94.06	
			For >20 To 40, Add	39.12	
			For >100 To 150, Deduct	-46.62	
			For >150, Deduct	-93.24	
			For Copper Pipe, Add	54.11	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-77.42	
21 13 16 00-0008			<b>Extra Hazard, Dry-Pipe Sprinkler Systems (21 13 16 00-0001)</b>		
21 13 16 00-0009	EA		Exposed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head .....349.32 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Up To 5, Add	161.45	
			For >5 To 10, Add	89.23	
			For >10 To 20, Add	67.51	
			For >20 To 40, Add	28.33	
			For >100 To 150, Deduct	-34.93	
			For >150, Deduct	-69.86	
			For Copper Pipe, Add	41.54	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-59.00	
21 13 16 00-0010	EA		Concealed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head .....434.00 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			For Up To 5, Add	203.06	
			For >5 To 10, Add	117.05	
			For >10 To 20, Add	87.59	
			For >20 To 40, Add	36.43	
			For >100 To 150, Deduct	-43.40	
			For >150, Deduct	-86.80	
			For Copper Pipe, Add	50.37	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-72.07	
21 13 16 00-0011			<b>Dry-Pipe Sprinkler System Equipment (21 13 16 00-0001)</b>		
21 13 16 00-0012	EA		Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge.....1,847.88		255.19
21 13 16 00-0013	EA		Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge.....1,927.74		255.19
21 13 16 00-0014	EA		Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge .....1,995.12		255.19
21 13 16 00-0015	EA		Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge.....2,257.14		255.19
21 13 16 00-0016			<b>Dry Pipe Sprinkler System Components (21 13 16)</b>		
			Note: Excludes hydraulic calculations.		
21 13 16 00-0017			<b>Dry Pipe Valves (21 13 16 00-0016)</b>		
			Note: Excludes trim package See CSI section 21 13 16 00-0022 for Dry Pipe Valve Trim.		
21 13 16 00-0018	EA		2-1/2" Dry Pipe Valve.....2,525.49		107.50
21 13 16 00-0019	EA		3" Dry Pipe Valve .....2,812.62		123.13
21 13 16 00-0020	EA		4" Dry Pipe Valve .....3,153.79		209.14
21 13 16 00-0021	EA		6" Dry Pipe Valve.....3,999.13		263.86
21 13 16 00-0022			<b>Dry Pipe Valve Trim (21 13 16 00-0016)</b>		
			Note: Includes gauges, pressure switch, air supply and drain lines.		
21 13 16 00-0023	EA		2-1/2" Dry Pipe Valve Trim.....1,263.84		227.51
21 13 16 00-0024	EA		3" Dry Pipe Valve Trim.....1,263.84		227.51
21 13 16 00-0025	EA		4" Dry Pipe Valve Trim.....1,469.15		311.94
21 13 16 00-0026	EA		6" Dry Pipe Valve Trim.....1,672.43		433.90
21 13 16 00-0027			<b>Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)</b>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0028	EA		3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	165.48	16.65
			<i>For &gt;25 To 50, Deduct</i>	-2.52	
			<i>For &gt;50 To 100, Deduct</i>	-10.80	
			<i>For &gt;100 To 500, Deduct</i>	-21.95	
			<i>For &gt;500 To 1,000, Deduct</i>	-38.36	
			<i>For &gt;1,000, Deduct</i>	-48.45	
21 13 16 00-0029	EA		6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	172.11	16.65
			<i>For &gt;25 To 50, Deduct</i>	-2.52	
			<i>For &gt;50 To 100, Deduct</i>	-11.13	
			<i>For &gt;100 To 500, Deduct</i>	-22.77	
			<i>For &gt;500 To 1,000, Deduct</i>	-39.55	
			<i>For &gt;1,000, Deduct</i>	-49.64	
21 13 16 00-0030	EA		9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	178.74	16.65
			<i>For &gt;25 To 50, Deduct</i>	-2.52	
			<i>For &gt;50 To 100, Deduct</i>	-11.46	
			<i>For &gt;100 To 500, Deduct</i>	-23.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-40.75	
			<i>For &gt;1,000, Deduct</i>	-50.83	
21 13 16 00-0031	EA		12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	185.39	16.65
			<i>For &gt;25 To 50, Deduct</i>	-2.52	
			<i>For &gt;50 To 100, Deduct</i>	-11.79	
			<i>For &gt;100 To 500, Deduct</i>	-24.43	
			<i>For &gt;500 To 1,000, Deduct</i>	-41.94	
			<i>For &gt;1,000, Deduct</i>	-52.03	
21 13 16 00-0032	EA		15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	192.02	16.65
			<i>For &gt;25 To 50, Deduct</i>	-2.52	
			<i>For &gt;50 To 100, Deduct</i>	-12.12	
			<i>For &gt;100 To 500, Deduct</i>	-25.26	
			<i>For &gt;500 To 1,000, Deduct</i>	-43.14	
			<i>For &gt;1,000, Deduct</i>	-53.22	
21 13 16 00-0033	EA		18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	198.65	16.65
			<i>For &gt;25 To 50, Deduct</i>	-2.52	
			<i>For &gt;50 To 100, Deduct</i>	-12.45	
			<i>For &gt;100 To 500, Deduct</i>	-26.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-44.33	
			<i>For &gt;1,000, Deduct</i>	-54.42	
21 13 16 00-0034	EA		21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	205.28	16.65
			<i>For &gt;25 To 50, Deduct</i>	-2.52	
			<i>For &gt;50 To 100, Deduct</i>	-12.79	
			<i>For &gt;100 To 500, Deduct</i>	-26.92	
			<i>For &gt;500 To 1,000, Deduct</i>	-45.52	
			<i>For &gt;1,000, Deduct</i>	-55.61	
21 13 16 00-0035	EA		24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	211.92	16.65
			<i>For &gt;25 To 50, Deduct</i>	-2.52	
			<i>For &gt;50 To 100, Deduct</i>	-13.12	
			<i>For &gt;100 To 500, Deduct</i>	-27.75	
			<i>For &gt;500 To 1,000, Deduct</i>	-46.72	
			<i>For &gt;1,000, Deduct</i>	-56.80	
21 13 16 00-0036	EA		27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	218.54	16.65
			<i>For &gt;25 To 50, Deduct</i>	-2.52	
			<i>For &gt;50 To 100, Deduct</i>	-13.45	
			<i>For &gt;100 To 500, Deduct</i>	-28.58	
			<i>For &gt;500 To 1,000, Deduct</i>	-47.91	
			<i>For &gt;1,000, Deduct</i>	-58.00	
21 13 16 00-0037	EA		30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	225.18	16.65
			<i>For &gt;25 To 50, Deduct</i>	-2.52	
			<i>For &gt;50 To 100, Deduct</i>	-13.78	
			<i>For &gt;100 To 500, Deduct</i>	-29.41	
			<i>For &gt;500 To 1,000, Deduct</i>	-49.11	
			<i>For &gt;1,000, Deduct</i>	-59.19	
21 13 16 00-0038	EA		33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	231.82	16.65
			<i>For &gt;25 To 50, Deduct</i>	-2.52	
			<i>For &gt;50 To 100, Deduct</i>	-14.11	
			<i>For &gt;100 To 500, Deduct</i>	-30.24	
			<i>For &gt;500 To 1,000, Deduct</i>	-50.30	
			<i>For &gt;1,000, Deduct</i>	-60.39	
21 13 16 00-0039	EA		36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	238.45	16.65
			<i>For &gt;25 To 50, Deduct</i>	-2.52	
			<i>For &gt;50 To 100, Deduct</i>	-14.44	
			<i>For &gt;100 To 500, Deduct</i>	-31.07	
			<i>For &gt;500 To 1,000, Deduct</i>	-51.49	
			<i>For &gt;1,000, Deduct</i>	-61.58	
21 13 16 00-0040	EA		39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	245.10	16.65
			<i>For &gt;25 To 50, Deduct</i>	-2.52	
			<i>For &gt;50 To 100, Deduct</i>	-14.78	
			<i>For &gt;100 To 500, Deduct</i>	-31.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-52.69	
			<i>For &gt;1,000, Deduct</i>	-62.78	
21 13 16 00-0041	EA		42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	251.72	16.65
			<i>For &gt;25 To 50, Deduct</i>	-2.52	
			<i>For &gt;50 To 100, Deduct</i>	-15.11	
			<i>For &gt;100 To 500, Deduct</i>	-32.73	
			<i>For &gt;500 To 1,000, Deduct</i>	-53.88	
			<i>For &gt;1,000, Deduct</i>	-63.97	
21 13 16 00-0042	EA		45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	258.36	16.65
			<i>For &gt;25 To 50, Deduct</i>	-2.52	
			<i>For &gt;50 To 100, Deduct</i>	-15.44	
			<i>For &gt;100 To 500, Deduct</i>	-33.56	
			<i>For &gt;500 To 1,000, Deduct</i>	-55.08	
			<i>For &gt;1,000, Deduct</i>	-65.16	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 16 00-0043	Sidewall Dry Pipe Sprinkler Heads, Quick Response <small>(21 13 16 00-0016)</small>		
21 13 16 00-0044	EA 3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	163.88	16.65
	For >25 To 50, Deduct	-2.52	
	For >50 To 100, Deduct	-10.72	
	For >100 To 500, Deduct	-21.75	
	For >500 To 1,000, Deduct	-38.07	
	For >1,000, Deduct	-48.16	
21 13 16 00-0045	EA 6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	170.52	16.65
	For >25 To 50, Deduct	-2.52	
	For >50 To 100, Deduct	-11.05	
	For >100 To 500, Deduct	-22.58	
	For >500 To 1,000, Deduct	-39.27	
	For >1,000, Deduct	-49.35	
21 13 16 00-0046	EA 9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	177.17	16.65
	For >25 To 50, Deduct	-2.52	
	For >50 To 100, Deduct	-11.38	
	For >100 To 500, Deduct	-23.41	
	For >500 To 1,000, Deduct	-40.46	
	For >1,000, Deduct	-50.55	
21 13 16 00-0047	EA 12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	183.78	16.65
	For >25 To 50, Deduct	-2.52	
	For >50 To 100, Deduct	-11.71	
	For >100 To 500, Deduct	-24.23	
	For >500 To 1,000, Deduct	-41.65	
	For >1,000, Deduct	-51.74	
21 13 16 00-0048	EA 15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	190.42	16.65
	For >25 To 50, Deduct	-2.52	
	For >50 To 100, Deduct	-12.04	
	For >100 To 500, Deduct	-25.06	
	For >500 To 1,000, Deduct	-42.85	
	For >1,000, Deduct	-52.93	
21 13 16 00-0049	EA 18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	197.05	16.65
	For >25 To 50, Deduct	-2.52	
	For >50 To 100, Deduct	-12.37	
	For >100 To 500, Deduct	-25.89	
	For >500 To 1,000, Deduct	-44.04	
	For >1,000, Deduct	-54.13	
21 13 16 00-0050	EA 21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	203.70	16.65
	For >25 To 50, Deduct	-2.52	
	For >50 To 100, Deduct	-12.71	
	For >100 To 500, Deduct	-26.72	
	For >500 To 1,000, Deduct	-45.24	
	For >1,000, Deduct	-55.33	
21 13 16 00-0051	EA 24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	210.33	16.65
	For >25 To 50, Deduct	-2.52	
	For >50 To 100, Deduct	-13.04	
	For >100 To 500, Deduct	-27.55	
	For >500 To 1,000, Deduct	-46.43	
	For >1,000, Deduct	-56.52	
21 13 16 00-0052	EA 27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	216.95	16.65
	For >25 To 50, Deduct	-2.52	
	For >50 To 100, Deduct	-13.37	
	For >100 To 500, Deduct	-28.38	
	For >500 To 1,000, Deduct	-47.62	
	For >1,000, Deduct	-57.71	
21 13 16 00-0053	EA 30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	223.58	16.65
	For >25 To 50, Deduct	-2.52	
	For >50 To 100, Deduct	-13.70	
	For >100 To 500, Deduct	-29.21	
	For >500 To 1,000, Deduct	-48.82	
	For >1,000, Deduct	-58.90	
21 13 16 00-0054	EA 33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	230.22	16.65
	For >25 To 50, Deduct	-2.52	
	For >50 To 100, Deduct	-14.03	
	For >100 To 500, Deduct	-30.04	
	For >500 To 1,000, Deduct	-50.01	
	For >1,000, Deduct	-60.10	
21 13 16 00-0055	EA 36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	236.86	16.65
	For >25 To 50, Deduct	-2.52	
	For >50 To 100, Deduct	-14.36	
	For >100 To 500, Deduct	-30.87	
	For >500 To 1,000, Deduct	-51.21	
	For >1,000, Deduct	-61.29	
21 13 16 00-0056	EA 39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	256.77	16.65
	For >25 To 50, Deduct	-2.52	
	For >50 To 100, Deduct	-15.36	
	For >100 To 500, Deduct	-33.36	
	For >500 To 1,000, Deduct	-54.79	
	For >1,000, Deduct	-64.88	
21 13 16 00-0057	EA 42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	263.40	16.65
	For >25 To 50, Deduct	-2.52	
	For >50 To 100, Deduct	-15.69	
	For >100 To 500, Deduct	-34.19	
	For >500 To 1,000, Deduct	-55.99	
	For >1,000, Deduct	-66.07	
21 13 16 00-0058	EA 45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	266.05	16.65
	For >25 To 50, Deduct	-2.52	
	For >50 To 100, Deduct	-15.82	
	For >100 To 500, Deduct	-34.52	
	For >500 To 1,000, Deduct	-56.46	
	For >1,000, Deduct	-66.55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>21 13 16 00-0059</b>	<b>Pendent Dry Pipe Sprinkler Head, Early Suppression, Fast Response</b> <small>(21 13 16 00-0016)</small>		
21 13 16 00-0060	EA 23" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head .....	730.32	16.65
	<i>For &gt;25 To 50, Deduct</i> .....	-2.73	
	<i>For &gt;50 To 100, Deduct</i> .....	-39.25	
	<i>For &gt;100 To 500, Deduct</i> .....	-92.66	
	<i>For &gt;500 To 1,000, Deduct</i> .....	-140.75	
	<i>For &gt;1,000, Deduct</i> .....	-151.67	
21 13 16 00-0061	EA 30" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head .....	730.32	16.65
	<i>For &gt;25 To 50, Deduct</i> .....	-2.73	
	<i>For &gt;50 To 100, Deduct</i> .....	-39.25	
	<i>For &gt;100 To 500, Deduct</i> .....	-92.66	
	<i>For &gt;500 To 1,000, Deduct</i> .....	-140.75	
	<i>For &gt;1,000, Deduct</i> .....	-151.67	
21 13 16 00-0062	EA 36" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head .....	730.32	16.65
	<i>For &gt;25 To 50, Deduct</i> .....	-2.73	
	<i>For &gt;50 To 100, Deduct</i> .....	-39.25	
	<i>For &gt;100 To 500, Deduct</i> .....	-92.66	
	<i>For &gt;500 To 1,000, Deduct</i> .....	-140.75	
	<i>For &gt;1,000, Deduct</i> .....	-151.67	
21 13 16 00-0063	EA 36" Length, 1-1/4" ISO Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head .....	730.32	16.65
	<i>For &gt;25 To 50, Deduct</i> .....	-2.73	
	<i>For &gt;50 To 100, Deduct</i> .....	-39.25	
	<i>For &gt;100 To 500, Deduct</i> .....	-92.66	
	<i>For &gt;500 To 1,000, Deduct</i> .....	-140.75	
	<i>For &gt;1,000, Deduct</i> .....	-151.67	

**21 13 19 Preaction Sprinkler Systems** (21 13)

<b>21 13 19 00-0001</b>	<b>Complete Preaction Sprinkler Systems</b> <small>(21 13 19)</small>		
	<small>Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. See CSI section 23 21 13 23-1396 for individual grooved pipe, 23 21 13 23-1469 for individual grooved pipe fittings.</small>		
<b>21 13 19 00-0002</b>	<b>Ordinary Hazard, Preaction Sprinkler Systems</b> <small>(21 13 19 00-0001)</small>		
21 13 19 00-0003	EA Exposed Piping, Ordinary Hazard, Preaction Sprinkler System, Per Head.....	353.09	
	<small>Note: Includes branch pipe and fittings, supports and sprinkler heads.</small>		
	<i>For Up To 5, Add</i> .....	164.54	
	<i>For &gt;5 To 10, Add</i> .....	105.58	
	<i>For &gt;10 To 20, Add</i> .....	70.27	
	<i>For &gt;20 To 40, Add</i> .....	29.31	
	<i>For &gt;100 To 150, Deduct</i> .....	-35.31	
	<i>For &gt;150, Deduct</i> .....	-70.62	
<b>21 13 19 00-0004</b>	<b>Extra Hazard, Preaction Sprinkler Systems</b> <small>(21 13 19 00-0001)</small>		
21 13 19 00-0005	EA Exposed Piping, Extra Hazard, Preaction Sprinkler System, Per Head .....	328.76	
	<small>Note: Includes branch pipe and fittings, supports and sprinkler heads.</small>		
	<i>For Up To 5, Add</i> .....	153.22	
	<i>For &gt;5 To 10, Add</i> .....	98.33	
	<i>For &gt;10 To 20, Add</i> .....	65.45	
	<i>For &gt;20 To 40, Add</i> .....	27.30	
	<i>For &gt;100 To 150, Deduct</i> .....	-32.88	
	<i>For &gt;150, Deduct</i> .....	-65.75	

**21 13 26 Deluge Fire-Suppression Sprinkler Systems** (21 13)

<b>21 13 26 00-0001</b>	<b>Deluge Fire-Suppression Sprinkler Systems Equipment</b> <small>(21 13 26)</small>		
<b>21 13 26 00-0002</b>	<b>Deluge Valves With Required Trim And Release Equipment</b> <small>(21 13 26 00-0001)</small>		
21 13 26 00-0003	EA 3" Deluge Valve With Trim And Release Equipment.....	5,455.59	466.99
21 13 26 00-0004	EA 4" Deluge Valve With Trim And Release Equipment.....	6,256.25	525.32
21 13 26 00-0005	EA 6" Deluge Valve With Trim And Release Equipment.....	7,750.59	764.12

**21 13 39 Foam-Water Systems** (21 13)

<b>21 13 39 00-0001</b>	<b>Foam Control Valves And Monitors</b> <small>(21 13 39)</small>		
<b>21 13 39 00-0002</b>	<b>Control Valves</b> <small>(21 13 39 00-0001)</small>		
21 13 39 00-0003	EA 3" Foam Control Valve.....	2,574.52	466.99
<b>21 13 39 00-0004</b>	<b>Supply Valves</b> <small>(21 13 39 00-0001)</small>		
21 13 39 00-0005	EA 2-1/2" Foam Supply Valve .....	2,326.67	525.32

**21 Fire Suppression**  
**21 10 Water-Based Fire-Suppression Systems**  
**21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 39 00-0006			<b>Proportioners</b> (21 13 39 00-0001)		
21 13 39 00-0007	EA		8" Foam Proportioner.....	1,936.14	764.12
21 13 39 00-0008			<b>Monitors</b> (21 13 39 00-0001)		
21 13 39 00-0009	EA		Oscillating Foam Monitor.....	2,653.65	105.07
<b>21 13 41</b>			<b>Fire-Suppression Sprinkler Piping</b> (21 13)		
See CSI section 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0798 for flanged black steel pipe fittings, 23 21 13 23-1396 for grooved pipe, 23 21 13 23-1469 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.					
21 13 41 00-0001			<b>Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe</b> (21 13 41) Note: SDR 13.5		
21 13 41 00-0002			<b>Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe</b> (21 13 41 00-0001)		
21 13 41 00-0003	LF		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	4.61	1.34
21 13 41 00-0004	LF		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	5.54	1.42
21 13 41 00-0005	LF		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	6.97	1.60
21 13 41 00-0006	LF		1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	8.54	1.77
21 13 41 00-0007	LF		2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	11.00	1.93
21 13 41 00-0008	LF		2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	15.08	2.18
21 13 41 00-0009	LF		3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	21.09	2.61
21 13 41 00-0010			<b>Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping</b> (21 13 41 00-0001)		
21 13 41 00-0011	EA		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	21.80	8.07
21 13 41 00-0012	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	28.84	10.09
21 13 41 00-0013	EA		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	36.08	12.61
21 13 41 00-0014	EA		1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	41.30	13.95
21 13 41 00-0015	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	46.89	15.64
21 13 41 00-0016	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	59.53	17.74
21 13 41 00-0017	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	73.05	21.01
21 13 41 00-0018			<b>Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping</b> (21 13 41 00-0001)		
21 13 41 00-0019	EA		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	22.37	8.07
21 13 41 00-0020	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	27.92	10.09
21 13 41 00-0021	EA		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	35.39	12.61
21 13 41 00-0022	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	40.19	13.95
21 13 41 00-0023	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	45.50	15.64
21 13 41 00-0024	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	56.05	17.74
21 13 41 00-0025	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	69.22	21.01
21 13 41 00-0026			<b>Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping</b> (21 13 41 00-0001)		
21 13 41 00-0027	EA		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	32.46	12.10
21 13 41 00-0028	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	42.34	15.21
21 13 41 00-0029	EA		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	53.95	19.00
21 13 41 00-0030	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	62.08	21.01
21 13 41 00-0031	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	72.79	23.36
21 13 41 00-0032	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	89.77	26.65
21 13 41 00-0033	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	106.07	31.43
21 13 41 00-0034			<b>Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping</b> (21 13 41 00-0001)		
21 13 41 00-0035	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	39.09	14.20
21 13 41 00-0036	EA		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	51.01	17.74
21 13 41 00-0037	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	57.16	19.59
21 13 41 00-0038	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	67.76	21.86
21 13 41 00-0039	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	80.16	24.88
21 13 41 00-0040	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	94.30	29.33
21 13 41 00-0041			<b>Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping</b> (21 13 41 00-0001)		
21 13 41 00-0042	EA		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	43.82	16.14
21 13 41 00-0043	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	54.94	20.25
21 13 41 00-0044	EA		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	69.24	25.30
21 13 41 00-0045	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	78.17	27.99
21 13 41 00-0046	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	91.57	31.18
21 13 41 00-0047	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	118.35	35.47
21 13 41 00-0048			<b>Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping</b> (21 13 41 00-0001)		
21 13 41 00-0049	EA		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	15.00	5.38
21 13 41 00-0050	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	20.10	7.23
21 13 41 00-0051	EA		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	26.67	9.49
21 13 41 00-0052	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	30.45	10.50

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 41 00-0053	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	34.99	11.69
21 13 41 00-0054	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping .....	42.05	13.28
21 13 41 00-0055	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	50.77	15.72

**21 13 41 00-0056 Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping** (21 13 41 00-0001)

21 13 41 00-0057	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	7.67	2.69
21 13 41 00-0058	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	12.17	4.37
21 13 41 00-0059	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	14.00	4.71
21 13 41 00-0060	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	16.07	5.21
21 13 41 00-0061	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	19.10	5.88
21 13 41 00-0062	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	23.10	6.64
21 13 41 00-0063	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	30.12	7.90

**21 13 41 00-0064 Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping** (21 13 41 00-0001)

21 13 41 00-0065	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	21.13	7.99
21 13 41 00-0066	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	28.04	10.42
21 13 41 00-0067	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	30.98	11.51
21 13 41 00-0068	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	35.33	12.86
21 13 41 00-0069	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	42.04	14.63
21 13 41 00-0070	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	51.41	17.31

**21 13 41 00-0071 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping** (21 13 41 00-0001)

21 13 41 00-0072	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping.....	18.86	5.88
21 13 41 00-0073	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping.....	24.22	7.99

**21 13 41 00-0074 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** (21 13 41 00-0001)

21 13 41 00-0075	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	18.86	5.88
21 13 41 00-0076	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	24.22	7.99

**21 13 41 00-0077 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** (21 13 41 00-0001)

21 13 41 00-0078	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	21.93	7.23
21 13 41 00-0079	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	28.07	9.08
21 13 41 00-0080	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	29.23	9.08

**21 13 41 00-0081 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** (21 13 41 00-0001)

21 13 41 00-0082	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	36.00	12.10
21 13 41 00-0083	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	44.20	15.21
21 13 41 00-0084	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	57.73	19.00
21 13 41 00-0085	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	66.08	21.01
21 13 41 00-0086	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	77.66	23.36

**21 20 Fire-Extinguishing Systems** (21)

**21 21 Carbon-Dioxide Fire-Extinguishing Systems** (21 20)

**21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment** (21 21)

**21 21 16 00-0001 Carbon Dioxide Cylinders** (21 21 16)

21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 LB .....	1,463.83	206.16
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 LB (Each).....	2,927.67	412.32
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket.....	240.00	102.24
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle .....	106.07	37.66
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing.....	29.90	15.27

**21 22 Clean-Agent Fire-Extinguishing Systems** (21 20)

**21 22 16 Clean-Agent Fire-Extinguishing Equipment** (21 22)

**21 22 16 00-0001 Ansul Fire Control Systems** (21 22 16)

**21 Fire Suppression**  
**21 20 Fire-Extinguishing Systems**  
**21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
21 22 16 00-0002		<b>Sapphire® Fire Suppression Systems</b> (21 22 16 00-0001) Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.			
21 22 16 00-0003		<b>Cylinders, Sapphire® Fire Suppression Systems</b> (21 22 16 00-0002)			
21 22 16 00-0004	EA	20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635).....	1,479.01		70.29
		Note: 10 to 21 LB tank capacity. Excludes Sapphire agent.			
21 22 16 00-0005	EA	40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636).....	1,687.68		70.29
		Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.			
21 22 16 00-0006	EA	80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637).....	1,715.11		70.29
		Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.			
21 22 16 00-0007	EA	140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638).....	2,435.37		93.71
		Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.			
21 22 16 00-0008	EA	280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639).....	2,573.31		93.71
		Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.			
21 22 16 00-0009	EA	390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640).....	2,748.32		117.14
		Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.			
21 22 16 00-0010	EA	450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641).....	2,916.51		117.14
		Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.			
21 22 16 00-0011	EA	850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586).....	4,404.17		140.56
		Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.			
21 22 16 00-0012	LB	Sapphire Agent, Fire Protection Fluid, Factory Filled (Novec 1230).....	37.27		140.56
		Note: Add to empty tank cost.			
21 22 16 00-0013		<b>Nozzles, Sapphire® Fire Suppression Systems</b> (21 22 16 00-0002)			
21 22 16 00-0014	EA	1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515).....	140.90		11.72
21 22 16 00-0015	EA	3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516).....	144.45		11.72
21 22 16 00-0016	EA	1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517).....	153.36		11.72
21 22 16 00-0017	EA	1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518).....	159.59		11.72
21 22 16 00-0018	EA	1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519).....	168.49		11.72
21 22 16 00-0019	EA	2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520).....	195.18		11.72
21 22 16 00-0020	EA	1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602).....	140.90		11.72
21 22 16 00-0021	EA	3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603).....	144.45		11.72
21 22 16 00-0022	EA	1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604).....	153.36		11.72
21 22 16 00-0023	EA	1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605).....	159.59		11.72
21 22 16 00-0024	EA	1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606).....	168.49		11.72
21 22 16 00-0025	EA	2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607).....	195.18		11.72
21 22 16 00-0026		<b>Actuation Attachments, Sapphire® Fire Suppression System</b> (21 22 16 00-0002)			
21 22 16 00-0027	EA	7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810).....	12.52		3.51
21 22 16 00-0028	EA	7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811).....	14.05		3.51
21 22 16 00-0029	EA	1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338).....	18.90		8.20
21 22 16 00-0030	EA	16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597).....	45.17		10.50
21 22 16 00-0031	EA	32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142).....	67.26		10.50
21 22 16 00-0032	EA	42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815).....	81.35		10.50
21 22 16 00-0033	EA	24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336).....	40.08		10.50
21 22 16 00-0034	EA	Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	277.30		93.71
21 22 16 00-0035	EA	Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549).....	268.70		70.29
21 22 16 00-0036	EA	Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	608.36		93.71
21 22 16 00-0037		<b>Nameplates, Sapphire® Fire Suppression Systems</b> (21 22 16 00-0002)			
21 22 16 00-0038	EA	Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580).....	44.79		11.72
21 22 16 00-0039	EA	Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581).....	48.80		11.72
21 22 16 00-0040		<b>Cylinder Bracketing, Sapphire® Fire Suppression Systems</b> (21 22 16 00-0002)			
21 22 16 00-0041	EA	Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085).....	137.93		35.14
21 22 16 00-0042	EA	Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085).....	145.93		35.14
21 22 16 00-0043	EA	Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336).....	156.17		35.14
21 22 16 00-0044		<b>Check Valves, Sapphire® Fire Suppression Systems</b> (21 22 16 00-0002)			
21 22 16 00-0045	EA	1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566).....	377.15		37.30
21 22 16 00-0046	EA	2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568).....	529.37		64.00
21 22 16 00-0047		<b>Discharge Hose, Sapphire® Fire Suppression Systems</b> (21 22 16 00-0002)			
21 22 16 00-0048	EA	1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539).....	117.15		23.43
21 22 16 00-0049	EA	2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538).....	444.66		23.43
21 22 16 00-0050	EA	3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990).....	374.34		23.43
21 22 16 00-0051	EA	3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841).....	1,636.22		93.71
21 22 16 00-0052		<b>Swivel Adaptors, Sapphire® Fire Suppression Systems</b> (21 22 16 00-0002)			
21 22 16 00-0053	EA	1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557).....	41.77		16.40
21 22 16 00-0054	EA	2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558).....	75.04		16.40
21 22 16 00-0055	EA	3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471).....	210.32		11.72
21 22 16 00-0056	EA	3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470).....	271.53		11.72

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	21 22 16 00-0057			<b>Pressure Switches, Sapphire® Fire Suppression Systems</b> <small>(21 22 16 00-0002)</small>		
	21 22 16 00-0058	EA		Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585).....	152.89	46.85
	21 22 16 00-0059	EA		Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156).....	155.94	19.68
	21 22 16 00-0060	EA		Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250).....	478.14	81.99
	21 22 16 00-0061			<b>Level Indicators, Sapphire® Fire Suppression Systems</b> <small>(21 22 16 00-0002)</small>		
	21 22 16 00-0062	EA		Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277).....	564.97	16.40
	21 22 16 00-0063	EA		Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278) .....	591.68	16.40
	21 22 16 00-0064	EA		Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589).....	633.30	23.43
	21 22 16 00-0065			<b>Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems</b> <small>(21 22 16 00-0002)</small>		
	21 22 16 00-0066	EA		Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342) .....	42.35	14.06
	21 22 16 00-0067	EA		Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642).....	53.17	16.40
	21 22 16 00-0068	EA		Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579) .....	176.33	70.29
	21 22 16 00-0069	EA		1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576).....	206.86	70.29
	21 22 16 00-0070	EA		2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592).....	232.22	70.29
	21 22 16 00-0071	EA		3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891).....	314.10	70.29
	21 22 16 00-0072			<b>Replacement Parts, Sapphire® Fire Suppression Systems</b> <small>(21 22 16 00-0002)</small>		
	21 22 16 00-0073	EA		O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559) .....	50.28	18.75
	21 22 16 00-0074	EA		Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553) .....	84.39	11.72
	21 22 16 00-0075	EA		Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053) .....	113.16	23.43
	21 22 16 00-0076	EA		Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543) .....	296.00	93.71
	21 22 16 00-0077	EA		Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551).....	451.73	93.71
	21 22 16 00-0078	EA		1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535) .....	1,543.66	93.71
	21 22 16 00-0079			<b>Inergen® Fire Suppression System</b> <small>(21 22 16 00-0001)</small>		
	21 22 16 00-0080			<b>Actuation Attachments, Inergen® Fire Suppression System</b> <small>(21 22 16 00-0079)</small>		
	21 22 16 00-0081	EA		Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082).....	164.79	23.21
	21 22 16 00-0082	EA		Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958).....	191.76	24.94
	21 22 16 00-0083	EA		Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309) .....	343.06	45.14
	21 22 16 00-0084	EA		Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876).....	688.94	102.82
	21 22 16 00-0085			<b>Check Valves, Inergen® Fire Suppression System</b> <small>(21 22 16 00-0079)</small>		
	21 22 16 00-0086	EA		2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794) .....	1,672.83	135.70
	21 22 16 00-0087			<b>Components, Inergen® Fire Suppression System</b> <small>(21 22 16 00-0079)</small>		
	21 22 16 00-0088	EA		1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378) .....	48.94	7.12
	21 22 16 00-0089	EA		Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700).....	576.12	76.25
	21 22 16 00-0090	EA		30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169).....	1,793.34	238.56
	21 22 16 00-0091	EA		60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170).....	1,707.96	243.04
	21 22 16 00-0092			<b>Cylinders, Inergen® Fire Suppression System</b> <small>(21 22 16 00-0079)</small>		
				Note: Includes CV98 valve. Factory filled with Inergen agent.		
	21 22 16 00-0093	EA		200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147).....	1,493.90	218.33
	21 22 16 00-0094	EA		250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148).....	1,694.65	247.37
	21 22 16 00-0095	EA		350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620).....	2,427.66	320.56
	21 22 16 00-0096	EA		435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150).....	2,426.87	391.71
	21 22 16 00-0097	EA		250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257).....	1,751.32	275.81
	21 22 16 00-0098	EA		350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621).....	2,484.75	349.11
	21 22 16 00-0099	EA		435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259).....	2,559.80	420.93
	21 22 16 00-0100			<b>Inspection/Maintenance Devices, Inergen® Fire Suppression System</b> <small>(21 22 16 00-0079)</small>		
	21 22 16 00-0101	EA		CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657) .....	56.41	7.94
	21 22 16 00-0102	EA		CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181).....	56.41	7.94
	21 22 16 00-0103	EA		CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954) .....	68.09	8.82
	21 22 16 00-0104	EA		Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923) .....	1,074.78	151.51
	21 22 16 00-0105			<b>Multiple Cylinder Bracketing, Inergen® Fire Suppression System</b> <small>(21 22 16 00-0079)</small>		
	21 22 16 00-0106	EA		13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502).....	18.12	2.32
				Note: For single row 435 cubic foot cylinders.		
	21 22 16 00-0107	EA		27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503).....	25.71	3.32
				Note: For double row 435 cubic foot cylinders.		
	21 22 16 00-0108			<b>Nameplates, Inergen® Fire Suppression System</b> <small>(21 22 16 00-0079)</small>		
	21 22 16 00-0109	EA		Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265).....	19.97	2.59
	21 22 16 00-0110	EA		Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266).....	18.44	2.59
	21 22 16 00-0111			<b>Nozzle Deflector Shields, Inergen® Fire Suppression System</b> <small>(21 22 16 00-0079)</small>		
	21 22 16 00-0112	EA		1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708).....	80.21	11.18

**21 Fire Suppression**  
**21 20 Fire-Extinguishing Systems**  
**21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0113	EA		3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansl 417711).....	84.16	11.71
21 22 16 00-0114	EA		1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansl 417714).....	97.80	13.52
21 22 16 00-0115	EA		1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansl 417717).....	108.99	15.27
21 22 16 00-0116	EA		1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansl 417720).....	125.03	17.56
<b>21 22 16 00-0117</b>			<b>Nozzles, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0118	EA		1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansl 417908).....	122.83	17.30
21 22 16 00-0119	EA		3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansl 417723).....	127.44	17.82
21 22 16 00-0120	EA		1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansl 417362).....	117.55	16.50
21 22 16 00-0121	EA		3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansl 417363).....	120.32	17.82
21 22 16 00-0122	EA		1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansl 417364).....	139.76	19.59
21 22 16 00-0123	EA		1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansl 417365).....	149.42	20.87
21 22 16 00-0124	EA		1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansl 417366).....	160.85	22.39
21 22 16 00-0125	EA		2" NPT Nozzle, Inergen® Fire Suppression System (Ansl 426155).....	276.85	39.19
21 22 16 00-0126	EA		2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansl 426156).....	366.05	51.40
21 22 16 00-0127	EA		3" NPT Nozzle, Inergen® Fire Suppression System (Ansl 426137).....	399.02	56.50
21 22 16 00-0128	EA		1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansl 426138).....	143.03	20.34
21 22 16 00-0129	EA		3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansl 426139).....	168.73	23.82
21 22 16 00-0130	EA		1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansl 426140).....	138.86	19.59
21 22 16 00-0131	EA		3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansl 426141).....	148.33	20.77
21 22 16 00-0132	EA		1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansl 426142).....	149.64	20.87
21 22 16 00-0133	EA		1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansl 426143).....	180.63	25.35
21 22 16 00-0134	EA		1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansl 426157).....	194.67	27.48
21 22 16 00-0135	EA		2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansl 426144).....	298.83	42.18
21 22 16 00-0136	EA		2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansl 426145).....	348.90	49.37
21 22 16 00-0137	EA		3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansl 426146).....	382.31	53.95
<b>21 22 16 00-0138</b>			<b>Pressure Reducers, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0139	EA		1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansl 416677).....	160.85	22.39
21 22 16 00-0140	EA		3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansl 416678).....	197.33	27.89
21 22 16 00-0141	EA		1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansl 416679).....	212.24	30.03
21 22 16 00-0142	EA		1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansl 416680).....	298.83	42.18
21 22 16 00-0143	EA		1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansl 416681).....	326.49	46.21
21 22 16 00-0144	EA		2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansl 416682).....	383.62	53.95
21 22 16 00-0145	EA		2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansl 417057).....	446.00	63.26
21 22 16 00-0146	EA		3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansl 417058).....	527.28	74.82
21 22 16 00-0147	EA		2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansl 426823).....	672.77	147.61
21 22 16 00-0148	EA		3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansl 426824).....	867.11	173.06
21 22 16 00-0149	EA		4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansl 426825).....	1,105.76	290.12
21 22 16 00-0150	EA		2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansl 426847).....	655.85	147.61
21 22 16 00-0151	EA		3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansl 426848).....	725.91	103.09
21 22 16 00-0152	EA		4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansl 426849).....	1,105.76	290.12
21 22 16 00-0153	EA		2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansl 426853).....	670.09	147.61
21 22 16 00-0154	EA		3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansl 426854).....	754.48	107.14
21 22 16 00-0155	EA		4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansl 426855).....	1,084.40	290.12
<b>21 22 16 00-0156</b>			<b>Pressure Switches, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0157	EA		3PST, Pressure Switch, Inergen® Fire Suppression System (Ansl 842344).....	754.99	112.49
<b>21 22 16 00-0158</b>			<b>Releasing Device Equipment, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0159	EA		12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansl 17728).....	1,238.68	174.51
21 22 16 00-0160	EA		24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansl 31492).....	1,764.32	232.54
21 22 16 00-0161	EA		120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansl 32525).....	1,871.19	236.55
21 22 16 00-0162	EA		Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansl 26310).....	87.46	12.03
21 22 16 00-0163	EA		LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansl 5373).....	104.44	15.93
21 22 16 00-0164	EA		Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansl 28939).....	1,002.44	124.50
<b>21 22 16 00-0165</b>			<b>Replacement Orifice Plates, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0166	EA		1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansl 418095).....	109.74	11.82
21 22 16 00-0167	EA		3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansl 418096).....	115.02	12.45
21 22 16 00-0168	EA		1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansl 418097).....	120.79	12.66
21 22 16 00-0169	EA		1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansl 418098).....	129.65	13.09
21 22 16 00-0170	EA		1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansl 418099).....	134.87	14.35
21 22 16 00-0171	EA		2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansl 418100).....	135.43	15.51
21 22 16 00-0172	EA		2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansl 426984).....	296.60	41.57
21 22 16 00-0173	EA		3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansl 426985).....	299.25	42.00
21 22 16 00-0174	EA		4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansl 426986).....	383.62	53.80
<b>21 22 16 00-0175</b>			<b>Single Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0176	EA		Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansl 427704).....	139.76	19.59
21 22 16 00-0177	EA		Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansl 427705).....	190.46	44.79
			Note: Includes saddle, padding and fasteners.		



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>21 22 16 00-0178</b>		<b>Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System</b> <small>(21 22 16 00-0079)</small>		
21 22 16 00-0179	EA	2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856).....	365.47	28.96
		Note: Includes gasket and fasteners.		
21 22 16 00-0180	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857).....	306.30	43.24
		Note: Includes gasket and fasteners.		
21 22 16 00-0181	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858).....	612.78	290.12
		Note: Includes gasket and fasteners.		
21 22 16 00-0182	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859).....	192.05	27.05
		Note: Includes gasket and fasteners.		
21 22 16 00-0183	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860).....	225.43	31.56
		Note: Includes gasket and fasteners.		
21 22 16 00-0184	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861).....	608.29	290.12
		Note: Includes gasket and fasteners.		
21 22 16 00-0185	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862).....	199.93	28.33
		Note: Includes gasket and fasteners.		
21 22 16 00-0186	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863).....	234.24	33.01
		Note: Includes gasket and fasteners.		
21 22 16 00-0187	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864).....	630.53	290.12
		Note: Includes gasket and fasteners.		
21 22 16 00-0188	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828).....	39.36	2.15
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0189	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829).....	39.78	2.36
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0190	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830).....	42.84	2.80
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
<b>21 22 16 00-0191</b>		<b>Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System</b> <small>(21 22 16 00-0079)</small>		
21 22 16 00-0192	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508).....	24.48	3.44
21 22 16 00-0193	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027).....	201.44	26.17
21 22 16 00-0194	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592).....	149.85	26.17
		Note: Includes upright, left, right and center.		
<b>21 22 16 00-0195</b>		<b>Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0001)</small>		
<b>21 22 16 00-0196</b>		<b>Accessory Switches, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0197	EA	Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495).....	157.72	22.58
21 22 16 00-0198	EA	Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494).....	179.25	25.74
21 22 16 00-0199	EA	Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497).....	227.99	32.71
21 22 16 00-0200	EA	Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496).....	245.57	35.24
21 22 16 00-0201	EA	Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499).....	307.50	44.32
21 22 16 00-0202	EA	Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498).....	327.28	47.06
21 22 16 00-0203	EA	Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956).....	627.28	90.74
21 22 16 00-0204	EA	Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490).....	50.54	6.76
<b>21 22 16 00-0205</b>		<b>Alarm Devices, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0206	EA	Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698).....	136.62	19.62
21 22 16 00-0207	EA	Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699).....	200.33	28.70
21 22 16 00-0208	EA	Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702).....	18.27	2.62
<b>21 22 16 00-0209</b>		<b>Annunciators, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0210	EA	80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492).....	1,574.08	227.69
21 22 16 00-0211	EA	16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496).....	1,319.55	190.75
21 22 16 00-0212	EA	16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497).....	1,024.34	148.13
21 22 16 00-0213	EA	32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500).....	892.15	128.93
21 22 16 00-0214	EA	Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501).....	892.15	128.93
21 22 16 00-0215	EA	Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502).....	714.70	103.18
21 22 16 00-0216	EA	Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650).....	1,319.55	190.75
21 22 16 00-0217	EA	24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651).....	268.40	38.62
21 22 16 00-0218	EA	48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652).....	336.48	48.53

**21 Fire Suppression****21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0219	EA		8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653).....	674.71	97.48
21 22 16 00-0220	EA		Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660).....	114.00	16.35
21 22 16 00-0221	EA		Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576).....	155.04	22.58
			Note: For up to 4 LDM modules.		
21 22 16 00-0222	EA		Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657).....	268.41	38.62
<b>21 22 16 00-0223</b>			<b>Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0224	EA		CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586).....	208.53	31.44
21 22 16 00-0225	EA		REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639).....	12.89	2.15
21 22 16 00-0226	EA		REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640).....	90.72	2.62
21 22 16 00-0227	EA		REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765).....	13.92	2.62
<b>21 22 16 00-0228</b>			<b>Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0229	EA		Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564).....	463.55	70.48
21 22 16 00-0230	EA		Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566).....	277.90	42.00
<b>21 22 16 00-0231</b>			<b>Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0232	EA		7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692).....	204.99	27.01
21 22 16 00-0233	EA		12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693).....	428.66	57.18
21 22 16 00-0234	EA		18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694).....	483.74	64.78
21 22 16 00-0235	EA		25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695).....	632.45	78.92
21 22 16 00-0236	EA		55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997).....	1,019.29	136.95
21 22 16 00-0237	EA		BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578).....	152.46	21.74
21 22 16 00-0238	EA		BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079).....	272.36	39.24
			Note: Holds six XP5 modules or 25AH battery pack.		
21 22 16 00-0239	EA		BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410).....	553.92	79.97
			Note: For mounting in BB-55 battery box.		
21 22 16 00-0240	EA		Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207).....	1,610.32	232.96
			Note: For mounting in BB-55 battery box.		
21 22 16 00-0241	EA		120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563).....	1,177.65	170.28
<b>21 22 16 00-0242</b>			<b>Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0243	EA		Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097).....	124.08	18.04
21 22 16 00-0244	EA		Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098).....	115.86	17.94
21 22 16 00-0245	EA		Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480).....	156.99	25.74
21 22 16 00-0246	EA		2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100).....	233.27	33.55
21 22 16 00-0247	EA		NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101).....	181.32	27.22
21 22 16 00-0248	EA		Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102).....	170.30	26.17
21 22 16 00-0249	EA		Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487).....	27.13	4.17
21 22 16 00-0250	EA		Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125).....	100.13	14.77
21 22 16 00-0251	EA		Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066).....	100.16	14.35
21 22 16 00-0252	EA		HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067).....	35.36	11.82
21 22 16 00-0253	EA		Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138).....	9.21	1.31
			Note: Converts BX501 to low profile base.		
21 22 16 00-0254	EA		Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945).....	96.41	13.82
21 22 16 00-0255	EA		EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699).....	56.49	8.15
21 22 16 00-0256	EA		XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078).....	152.91	21.53
21 22 16 00-0257	EA		BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080).....	79.96	11.39
<b>21 22 16 00-0258</b>			<b>Manual Pull Stations, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0259	EA		Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661).....	23.03	3.06
21 22 16 00-0260	EA		Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336).....	14.29	1.68

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>21 22 16 00-0261</b>	<b>Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0262	EA Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470).....	200.33	28.70
	Note: Includes municipal box and remote station connection.		
21 22 16 00-0263	EA Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471) .....	602.64	82.51
21 22 16 00-0264	EA Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411).....	1,150.00	166.28
21 22 16 00-0265	EA Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635).....	30.68	4.31
<b>21 22 16 00-0266</b>	<b>Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0001)</small>		
<b>21 22 16 00-0267</b>	<b>Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0268	EA Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482).....	156.01	20.26
21 22 16 00-0269	EA Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379).....	273.94	30.54
21 22 16 00-0270	EA 120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374).....	867.31	118.16
21 22 16 00-0271	EA 220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375).....	867.31	118.16
21 22 16 00-0272	EA 120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376).....	1,303.16	177.25
	Note: Includes housing and battery cab.		
21 22 16 00-0273	EA 220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377).....	1,303.16	177.25
	Note: Includes housing and battery cab.		
21 22 16 00-0274	EA 48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378).....	1,905.84	225.78
<b>21 22 16 00-0275</b>	<b>Blank Plates, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0276	EA Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459) .....	27.97	3.80
21 22 16 00-0277	EA Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458) .....	42.31	3.80
21 22 16 00-0278	EA Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484) .....	61.30	7.18
21 22 16 00-0279	EA Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446) .....	95.67	8.02
21 22 16 00-0280	EA Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447) .....	119.93	16.03
21 22 16 00-0281	EA Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480).....	222.76	20.26
<b>21 22 16 00-0282</b>	<b>Detectors, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0283	EA LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350).....	6,543.81	991.76
	Note: Includes 3 blank plates.		
21 22 16 00-0284	EA LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354) .....	8,351.83	1,223.87
	Note: Includes centrally mounted LCD programmer module and standard display.		
21 22 16 00-0285	EA LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356) .....	7,551.19	1,118.36
	Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0286	EA 7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357).....	10,504.78	1,477.08
21 22 16 00-0287	EA 12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358).....	11,059.36	1,561.49
21 22 16 00-0288	EA 7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359).....	10,620.06	1,498.18
	Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.		
21 22 16 00-0289	EA 12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360).....	11,216.07	1,582.59
	Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.		
21 22 16 00-0290	EA 7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361) .....	11,535.41	1,645.89
	Note: Includes 2 blank plates and scan display module at far right.		
21 22 16 00-0291	EA 12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363).....	12,035.11	1,730.30
	Note: Includes 2 blank plates and scanner display.		
21 22 16 00-0292	EA 7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365).....	12,650.24	1,814.70
	Note: Includes centrally mounted programmer module.		
21 22 16 00-0293	EA 12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367).....	13,189.99	1,899.11
	Note: Includes centrally mounted LCD programmer module and scanner display module.		
21 22 16 00-0294	EA 12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369).....	12,399.40	1,730.30
	Note: Includes centrally mounted LCD programmer.		
<b>21 22 16 00-0295</b>	<b>Displays, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0296	EA VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381) .....	1,994.91	232.11
	Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0297	EA VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385) .....	2,004.71	232.11
	Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0298	EA VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383) .....	1,806.60	211.01
	Note: Includes a remote termination card without relays.		
21 22 16 00-0299	EA VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387) .....	1,817.98	211.01
	Note: Includes a remote termination card.		
21 22 16 00-0300	EA VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389) .....	2,247.58	253.22
	Note: Includes a remote termination card and 12 relays.		
21 22 16 00-0301	EA VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391) .....	1,909.75	219.45
21 22 16 00-0302	EA VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393).....	2,090.13	246.46

**21 Fire Suppression**  
**21 20 Fire-Extinguishing Systems**  
**21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
21 22 16 00-0303		<b>Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>			
21 22 16 00-0304	EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370).....	5,010.10		696.34
21 22 16 00-0305	EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372).....	4,127.12		557.07
21 22 16 00-0306	EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380).....	1,458.42		211.01
21 22 16 00-0307	EA	VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395).....	1,050.75		137.16
21 22 16 00-0308	EA	System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399).....	1,464.32		184.84
21 22 16 00-0309	EA	PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442)..... Note: Interface connects PC and LaserPLUS system.	1,754.60		227.90
21 22 16 00-0310	EA	Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443).....	276.25		34.18
21 22 16 00-0311	EA	Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444).....	1,848.23		211.01
21 22 16 00-0312	EA	Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460).....	1,318.76		175.14
21 22 16 00-0313	EA	VEDSAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463).....	1,035.86		135.05
21 22 16 00-0314	EA	Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461).....	1,320.89		175.14
21 22 16 00-0315	EA	Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464).....	1,318.76		175.14
21 22 16 00-0316	EA	Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487).....	1,304.45		164.59
21 22 16 00-0317	EA	Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466).....	155.44		14.77
21 22 16 00-0318	EA	Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467).....	6,301.84		810.29
21 22 16 00-0319	EA	Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470).....	10,980.68		1,418.00
21 22 16 00-0320	EA	Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475).....	858.36		105.51
21 22 16 00-0321	EA	Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477).....	19.56		2.11
21 22 16 00-0322	EA	Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478).....	11.07		0.42
21 22 16 00-0323	EA	US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481).....	472.71		61.19
21 22 16 00-0324	EA	Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483).....	572.68		74.27
21 22 16 00-0325	EA	Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486).....	826.68		107.62
21 22 16 00-0326	EA	RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488).....	121.80		16.03
21 22 16 00-0327	EA	Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502).....	18.98		3.38
21 22 16 00-0328		<b>Labels And Decals, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>			
21 22 16 00-0329	EA	Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509).....	17.27		2.53
21 22 16 00-0330	EA	Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505).....	18.13		2.95
21 22 16 00-0331	EA	Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506).....	27.97		3.80
21 22 16 00-0332	EA	Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507).....	28.02		3.80
21 22 16 00-0333	EA	Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508).....	101.51		14.35
21 22 16 00-0334		<b>Mounting Hardware, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>			
21 22 16 00-0335	EA	Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456).....	250.94		30.39
21 22 16 00-0336	EA	Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472).....	338.12		40.51
21 22 16 00-0337	EA	Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471).....	345.80		44.32
21 22 16 00-0338	EA	Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457).....	843.16		63.30
21 22 16 00-0339	EA	Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445).....	1,238.81		139.27
21 22 16 00-0340		<b>Pipe And Fittings, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>			
21 22 16 00-0341	LF	3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491).....	4.68		1.34
21 22 16 00-0342	EA	3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497).....	7.83		2.69
21 22 16 00-0343	EA	3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494).....	21.25		8.07
21 22 16 00-0344	EA	3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493).....	22.06		8.07
21 22 16 00-0345	EA	3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495).....	15.27		5.38
21 22 16 00-0346	EA	3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496).....	24.85		8.07
21 22 16 00-0347	EA	3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498).....	32.78		12.10
21 22 16 00-0348	EA	3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499).....	41.38		14.20
21 22 16 00-0349	LF	1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500).....	4.50		1.52
21 22 16 00-0350	EA	Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479).....	18.04		4.64
21 22 16 00-0351	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503).....	22.11		3.38
21 22 16 00-0352	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504).....	31.72		4.64

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI		UNIT COST	UNIT COST

21 22 16 00-0353		<b>Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0354	EA	VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396).....	1,449.27	162.06
		Note: Remote box includes 7 relays for VLP/VLC.		
21 22 16 00-0355	EA	VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490).....	1,476.43	186.54
21 22 16 00-0356	EA	12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485).....	893.62	113.95
21 22 16 00-0357	EA	RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489).....	1,021.14	128.72
21 22 16 00-0358	EA	VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397).....	1,449.27	162.06
		Note: Remote box includes 7 relays for VLS.		
21 22 16 00-0359	EA	VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398).....	1,749.22	186.54
		Note: Remote box includes 12 relays for VLS.		
21 22 16 00-0360	EA	Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468).....	496.02	57.39
21 22 16 00-0361	EA	Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469).....	746.01	87.78
21 22 16 00-0362	EA	7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474).....	1,404.41	181.48
21 22 16 00-0363	EA	12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476).....	2,060.30	265.87
21 22 16 00-0364		<b>Preferred® Low Pressure CO2 System</b> <small>(21 22 16 00-0001)</small>		
21 22 16 00-0365		<b>Manual Pull Stations, Preferred® Low Pressure CO2 System</b> <small>(21 22 16 00-0364)</small>		
21 22 16 00-0366	EA	Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658).....	111.21	14.77
		Note: Excludes FMM-101.		
21 22 16 00-0367	EA	Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659).....	83.19	10.97
21 22 16 00-0368		<b>Industrial Fire Control System</b> <small>(21 22 16 00-0001)</small>		
21 22 16 00-0369		<b>Alarm Devices, Industrial Fire Control System</b> <small>(21 22 16 00-0368)</small>		
21 22 16 00-0370	EA	Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947).....	2,690.44	389.32
21 22 16 00-0371	EA	6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751).....	82.40	8.94
21 22 16 00-0372	EA	24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697).....	81.28	11.61
21 22 16 00-0373	EA	Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700).....	48.41	6.97
21 22 16 00-0374	EA	Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701).....	19.78	2.82
21 22 16 00-0375		<b>Manual Pull Stations, Industrial Fire Control System</b> <small>(21 22 16 00-0368)</small>		
21 22 16 00-0376	EA	SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655).....	91.90	12.24
21 22 16 00-0377	EA	DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656).....	129.56	17.30
21 22 16 00-0378	EA	Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657).....	1,011.48	135.89
21 22 16 00-0379	EA	Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660).....	29.41	3.92
21 22 16 00-0380	EA	Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654).....	13.19	1.75
21 22 16 00-0381		<b>Marine Fire Control System</b> <small>(21 22 16 00-0001)</small>		
21 22 16 00-0382		<b>Alarm Devices, Marine Fire Control System</b> <small>(21 22 16 00-0381)</small>		
21 22 16 00-0383	EA	Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747).....	53.30	7.09
21 22 16 00-0384	EA	6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805).....	98.18	13.71
21 22 16 00-0385	EA	10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806).....	98.18	13.71
21 22 16 00-0386		<b>FM200 System Equipment</b> <small>(21 22 16)</small>		
21 22 16 00-0387	EA	26 LB Cylinder, Filled, For FM200 Fire Protection system.....	2,540.68	101.80
21 22 16 00-0388	EA	44 LB Cylinder, Filled, For FM200 Fire Protection system.....	3,632.47	116.56
21 22 16 00-0389	EA	63 LB Cylinder, Filled, For FM200 Fire Protection system.....	4,311.59	137.42
21 22 16 00-0390	EA	101 LB Cylinder, Filled, For FM200 Fire Protection system.....	5,708.07	162.87
21 22 16 00-0391	EA	196 LB Cylinder, Filled, For FM200 Fire Protection system.....	8,905.64	203.60
21 22 16 00-0392	EA	Electro/Mechanical Release, For FM200 Fire Protection system.....	619.65	203.60
21 22 16 00-0393	EA	Manual Pull Station, For FM200 Fire Protection system.....	215.04	67.70
21 22 16 00-0394	EA	Pneumatic Damper Release, For FM200 Fire Protection system.....	252.29	50.90
21 22 16 00-0395	LB	FM200 Gas.....	20.04	
21 22 16 00-0396	EA	Master Cylinder, For FM200 Fire Protection system.....	4,109.34	54.77
21 22 16 00-0397	EA	Shuttle Check Valve, For FM200 Fire Protection system.....	612.75	76.55
21 22 16 00-0398	EA	Flex Head Cylinder, For FM200 Fire Protection system.....	612.54	82.05
21 22 16 00-0399	EA	Nozzles, For FM200 Fire Protection system.....	155.42	29.01
21 22 16 00-0400	EA	Cylinder Support, For FM200 Fire Protection system.....	188.92	54.77
21 22 16 00-0401	EA	Solenoid Valve, For FM200 Fire Protection system.....	785.65	82.05
21 22 16 00-0402	EA	Battery Back-Up, For FM200 Fire Protection system.....	642.80	216.42
21 22 16 00-0403	EA	Control Panel, Single Zone, For FM200 Fire Protection system.....	3,114.73	406.57
21 22 16 00-0404	EA	Control Panel, Multi Zone, For FM200 Fire Protection system.....	5,098.42	814.07
21 22 16 00-0405	EA	Smoke Or Heat Detector, For FM200 Fire Protection system.....	266.59	82.05
21 22 16 00-0406	EA	Annunciator, For FM200 Fire Protection system.....	2,515.46	308.14
21 22 16 00-0407	EA	Pressure Switch, For FM200 Fire Protection system.....	287.01	82.05
21 22 16 00-0408	EA	Alarm Horn, For FM200 Fire Protection system.....	264.62	82.05
21 22 16 00-0409	EA	Testing, For FM200 Fire Protection system.....	1,163.30	
21 22 16 00-0410	EA	Abort Switch, For FM200 Fire Protection system.....	176.79	38.17

21 23 Wet-Chemical Fire-Extinguishing Systems (21 20)

**21 Fire Suppression****21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**21 23 16 Wet-Chemical Fire-Extinguishing Equipment (21 23)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0001			<b>Kidde Fire Systems (21 23 16)</b> Note: Kidde or equal.		
21 23 16 00-0002			<b>Cylinders And Hardware (21 23 16 00-0001)</b>		
21 23 16 00-0003	EA		125 Cylinder And Valve Assembly With 1.25 Gallon Of Wet Agent .....	745.40	84.34
21 23 16 00-0004	EA		260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent .....	858.37	105.04
21 23 16 00-0005	EA		400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent .....	1,052.06	129.60
21 23 16 00-0006	EA		600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent .....	1,242.51	153.78
21 23 16 00-0007	EA		Discharge Adapter Kit (One Required Per Cylinder) .....	41.71	4.41
21 23 16 00-0008	EA		System Valve Actuator .....	150.21	17.53
21 23 16 00-0009	EA		Vent Plug .....	28.24	3.56
21 23 16 00-0010	EA		Gauge Shield .....	68.77	9.37
21 23 16 00-0011	EA		125 Cylinder Wall Mounting Bracket .....	77.49	9.37
21 23 16 00-0012	EA		260 Cylinder Wall Mounting Bracket .....	82.15	9.93
21 23 16 00-0013	EA		400S And M Cylinder Wall Mounting Bracket .....	156.10	18.75
21 23 16 00-0014	EA		600 And 400M Cylinder Shelf Bracket .....	154.11	21.27
21 23 16 00-0015	EA		600 And 400M Cylinder Floor Mounting Kit .....	201.28	21.32
21 23 16 00-0016	EA		125 And 260 Cylinder Replacement Bracket Strap .....	27.95	
21 23 16 00-0017	EA		400 And 600 Cylinder Replacement Bracket Strap .....	29.38	
21 23 16 00-0018			<b>Nozzles And Accessories (21 23 16 00-0001)</b>		
21 23 16 00-0019	EA		ADP, F, GRW Or R Nozzle .....	69.53	8.62
21 23 16 00-0020	EA		LPF Or DM Nozzle .....	75.41	8.62
21 23 16 00-0021	EA		LPR Nozzle .....	87.50	8.62
21 23 16 00-0022	EA		3/8" Swivel Adapter For Nozzles .....	52.08	6.09
21 23 16 00-0023	EA		Removal And Replacement Of Nozzle Seals .....	8.21	
21 23 16 00-0024	EA		Chrome Nozzle Disc Cap .....	5.06	0.56
21 23 16 00-0025	EA		LPR Nozzle Disc Cap .....	28.58	8.57
21 23 16 00-0026			<b>Control Systems (21 23 16 00-0001)</b>		
21 23 16 00-0027	EA		XV Control System .....	842.77	56.23
			Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.		
21 23 16 00-0028	EA		7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System) .....	73.06	9.37
21 23 16 00-0029	EA		24" High Pressure Hose .....	85.92	9.37
21 23 16 00-0030	EA		60" High Pressure Hose .....	114.51	9.37
21 23 16 00-0031	EA		XV Solenoid Kit (Electric Actuator), 24 Volt DC .....	167.54	18.75
21 23 16 00-0032	EA		XV Microswitch Kit, SPDT .....	56.21	8.81
21 23 16 00-0033	EA		XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release .....	60.50	8.81
21 23 16 00-0034	EA		EMT Connector Kit (EMT Connector And O-Ring) .....	25.49	7.03
21 23 16 00-0035	EA		KRS-50 Control Box Assembly .....	475.65	36.31
			Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.		
21 23 16 00-0036	EA		SPDT Microswitch For KRS-50 .....	72.80	8.81
21 23 16 00-0037	EA		DPDT Microswitch For KRS-50 .....	131.58	15.28
21 23 16 00-0038	EA		SPDT Pressure Switch (Fire Department Tie-In) .....	404.50	49.01
21 23 16 00-0039			<b>Mechanical Actuation Components (21 23 16 00-0001)</b>		
21 23 16 00-0040	EA		Universal Detector Link Housing Kit, Mechanical Actuation Systems .....	48.08	14.06
			Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.		
21 23 16 00-0041	EA		XV Low Profile Link Detector Housing Kit .....	65.27	14.06
			Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.		
21 23 16 00-0042	EA		XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip .....	167.39	9.37
21 23 16 00-0043	EA		XV Remote Manual Release, Pull-To-Trip .....	128.80	9.37
21 23 16 00-0044	EA		Corner Pulley, Mechanical Actuation Systems .....	20.32	2.53
21 23 16 00-0045	EA		Double Tee Pulley, Mechanical Actuation Systems .....	276.34	15.46
21 23 16 00-0046	EA		In-Line Tee Pulley, Mechanical Actuation Systems .....	34.02	4.12
21 23 16 00-0047	EA		Corner Pulley / Quik-Seal Adapter Combination .....	67.97	4.69
21 23 16 00-0048	LF		1/16" Cable, Mechanical Actuation Systems .....	2.24	0.94
21 23 16 00-0049	EA		Cable Clamp .....	9.52	0.46
21 23 16 00-0050	EA		Cable Crimp Sleeve, Mechanical Actuation Systems .....	1.39	0.37
21 23 16 00-0051	EA		"S" Hook, Mechanical Actuation Systems .....	1.34	0.37
21 23 16 00-0052	EA		1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems .....	72.58	8.71
21 23 16 00-0053			<b>Mechanical Detection Links (21 23 16 00-0001)</b>		
21 23 16 00-0054	EA		KGS Standard Response Link .....	16.18	4.69
21 23 16 00-0055	EA		KGS Rapid Response Link .....	22.99	4.69
21 23 16 00-0056	EA		KFA Type "A" Fusible Link .....	19.94	4.69
21 23 16 00-0057	EA		KML Type "ML" Fusible Link .....	19.37	4.69
21 23 16 00-0058	EA		500 Degree, KML Type "ML" Fusible Link .....	27.95	4.69
21 23 16 00-0059			<b>Gas Valves (21 23 16 00-0001)</b>		
21 23 16 00-0060	EA		3/4" NPT Mechanical Cable Operated Gas Shut-off Valve .....	323.51	20.24
21 23 16 00-0061	EA		1" NPT Mechanical Cable Operated Gas Shut-off Valve .....	352.89	24.93
21 23 16 00-0062	EA		1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve .....	406.00	31.48
21 23 16 00-0063	EA		1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve .....	445.94	36.26
21 23 16 00-0064	EA		2" NPT Mechanical Cable Operated Gas Shut-off Valve .....	482.60	42.83
21 23 16 00-0065	EA		2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve .....	798.13	62.60

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0066	EA		3" NPT Mechanical Cable Operated Gas Shut-off Valve .....	891.89	72.43
21 23 16 00-0067	EA		Pneumatic Release (Single Unit) .....	367.45	22.86
21 23 16 00-0068	EA		Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve.....	45.50	
21 23 16 00-0069	EA		1/2" Electric Solenoid Gas Shut-off Valve .....	337.13	18.84
21 23 16 00-0070	EA		3/4" Electric Solenoid Gas Shut-off Valve .....	339.96	20.24
21 23 16 00-0071	EA		1" Electric Solenoid Gas Shut-off Valve .....	523.19	24.93
21 23 16 00-0072	EA		1-1/4" Electric Solenoid Gas Shut-off Valve .....	555.17	31.48
21 23 16 00-0073	EA		1-1/2" Electric Solenoid Gas Shut-off Valve .....	637.38	36.26
21 23 16 00-0074	EA		2" Electric Solenoid Gas Shut-off Valve .....	818.51	42.83
21 23 16 00-0075	EA		2-1/2" Electric Solenoid Gas Shut-off Valve .....	1,351.32	62.60
21 23 16 00-0076	EA		3" Electric Solenoid Gas Shut-off Valve .....	1,696.42	72.43
21 23 16 00-0077	EA		Manual Reset Relay.....	476.13	94.17
<b>21 23 16 00-0078</b>			<b>Liquid Tight Sealing Adapters (21 23 16 00-0001)</b>		
21 23 16 00-0079	EA		3/8" Tubing, Compression Seal Adapter .....	37.22	3.93
21 23 16 00-0080	EA		1/2" Tubing, 1/4" Pipe, Compression Seal Adapter.....	36.75	4.31
21 23 16 00-0081	EA		5/8" Tubing, 3/8" Pipe, Compression Seal Adapter.....	43.18	5.15
21 23 16 00-0082	EA		3/4" Tubing, 1/2" Pipe, Compression Seal Adapter.....	49.74	5.53
21 23 16 00-0083	EA		1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter.....	43.18	5.15
21 23 16 00-0084	EA		3/8" NPT Female, Quik-Seal Adapter .....	36.75	4.31
21 23 16 00-0085	EA		1/2" NPT Female, Quik-Seal Adapter .....	36.75	4.31
21 23 16 00-0086	EA		3/4" NPT Female, Quik-Seal Adapter .....	60.40	7.31
21 23 16 00-0087	EA		1" NPT Female, Quik-Seal Adapter .....	80.39	9.65
21 23 16 00-0088	EA		Quik-Patch For Hole Patching Up To 1-1/8" Diameter .....	36.75	
<b>21 23 16 00-0089</b>			<b>Pressure Operated Releasing Systems (21 23 16 00-0001)</b>		
21 23 16 00-0090	EA		KRS-100 Nitrogen Cylinder.....	266.81	28.30
21 23 16 00-0091	EA		KRS-100 Actuator Assembly.....	239.75	28.86
21 23 16 00-0092	EA		KRS-100 Mounting Bracket.....	185.64	7.12
21 23 16 00-0093	EA		KRS-700S Nitrogen Cylinder .....	688.20	81.62
21 23 16 00-0094	EA		KRS-700 Mounting Bracket.....	146.51	17.43
21 23 16 00-0095	EA		KRS-700S Discharge Adapter Kit .....	220.34	17.43
21 23 16 00-0096	EA		Check Valve, Pressure Operated Releasing Systems .....	217.33	12.37
21 23 16 00-0097	EA		Vent Check, Pressure Operated Releasing Systems.....	67.50	7.88
21 23 16 00-0098	EA		Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly.....	8.88	
21 23 16 00-0099	EA		3 Pole, Double Throw Pressure Switch.....	551.66	65.60
<b>21 23 16 00-0100</b>			<b>Pyro-Chem Kitchen Fire Suppression Systems (21 23 16)</b>		
<b>21 23 16 00-0101</b>			<b>Cylinders, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0102	EA		3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194) .....	605.47	66.53
21 23 16 00-0103	EA		4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193) .....	872.17	95.87
21 23 16 00-0104	EA		6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196) .....	1,147.73	131.10
21 23 16 00-0105	EA		Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053) .....	124.99	15.65
21 23 16 00-0106	EA		Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208) .....	822.69	102.33
21 23 16 00-0107	EA		Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966).....	502.30	62.41
<b>21 23 16 00-0108</b>			<b>Fusible Links, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0109	EA		165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522).....	16.21	2.06
21 23 16 00-0110	EA		212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523).....	16.21	2.06
21 23 16 00-0111	EA		280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524).....	16.58	2.06
21 23 16 00-0112	EA		360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525).....	16.21	2.06
21 23 16 00-0113	EA		450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526).....	16.21	2.06
21 23 16 00-0114	EA		500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527).....	17.55	2.06
21 23 16 00-0115	EA		Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131) .....	28.10	3.47
21 23 16 00-0116	EA		Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132) .....	36.50	4.59
21 23 16 00-0117	EA		Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876) .....	53.08	23.71
21 23 16 00-0118	EA		225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6).....	355.15	52.76
<b>21 23 16 00-0119</b>			<b>Gas Valves, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0120	EA		3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593) .....	285.57	20.24
21 23 16 00-0121	EA		1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594) .....	326.15	24.93
21 23 16 00-0122	EA		1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595) .....	354.17	31.48
21 23 16 00-0123	EA		1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596) .....	390.32	36.17
21 23 16 00-0124	EA		2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049) .....	449.52	42.74
21 23 16 00-0125	EA		2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185) .....	1,029.83	62.50
21 23 16 00-0126	EA		3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186) .....	1,101.55	72.34
21 23 16 00-0127	EA		3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358).....	226.12	20.24
21 23 16 00-0128	EA		1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359).....	381.14	24.93
21 23 16 00-0129	EA		1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360).....	400.23	31.48
21 23 16 00-0130	EA		1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361).....	455.69	36.17
21 23 16 00-0131	EA		2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362).....	627.83	42.74
21 23 16 00-0132	EA		2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363).....	1,205.15	62.50
21 23 16 00-0133	EA		3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643).....	1,273.92	72.34
<b>21 23 16 00-0134</b>			<b>Nozzles, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0135	EA		Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem) .....	58.02	6.94
21 23 16 00-0136	EA		Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	81.92	8.81

**21 Fire Suppression****21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0137	EA		Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem) .....	304.73	8.81
<b>21 23 16 00-0138</b>			<b>Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0139	EA		Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059).....	21.48	2.71
21 23 16 00-0140	EA		PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104).....	703.54	87.99
21 23 16 00-0141	EA		PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690).....	896.65	112.55
<b>21 23 16 00-0142</b>			<b>Circuit Monitors, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0143	EA		24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303).....	459.93	57.63
21 23 16 00-0144	EA		120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302).....	554.93	69.44
<b>21 23 16 00-0145</b>			<b>Control Heads, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0146	EA		Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203).....	507.43	63.54
21 23 16 00-0147	EA		Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200).....	529.69	66.44
21 23 16 00-0148	EA		24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201).....	689.88	86.40
21 23 16 00-0149	EA		120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202).....	791.50	99.33
21 23 16 00-0150	EA		Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853).....	64.29	8.06
<b>21 23 16 00-0151</b>			<b>Corner Pulleys/Tees, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0152	EA		Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670).....	15.77	1.31
21 23 16 00-0153	EA		Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250).....	16.37	1.68
21 23 16 00-0154	EA		Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166).....	51.54	6.46
21 23 16 00-0155	EA		Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272).....	0.68	
<b>21 23 16 00-0156</b>			<b>Switches, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0157	EA		SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227).....	56.05	7.03
21 23 16 00-0158	EA		DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237).....	112.24	13.97
21 23 16 00-0159	EA		Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978).....	237.53	29.62
<b>21 23 16 00-0160</b>			<b>Wire Rope/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0161	LF		1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821).....	1.19	0.28
21 23 16 00-0162	EA		Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122).....	0.76	0.28
21 23 16 00-0163	EA		High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551).....	2.78	0.37
21 23 16 00-0164	EA		"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121).....	0.52	
<b>21 23 16 00-0165</b>			<b>Replacement Parts, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0166	EA		Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698).....	53.28	6.75
21 23 16 00-0167	EA		Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831).....	55.61	7.03
21 23 16 00-0168	EA		Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705).....	6.51	0.85
21 23 16 00-0169	EA		225 psi, Wet Gage, Kitchen Fire Suppression Systems (Pyro-Chem 551236).....	76.27	9.19
21 23 16 00-0170	EA		Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716).....	10.71	1.31
21 23 16 00-0171	EA		Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707).....	14.92	1.88
21 23 16 00-0172	EA		Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715).....	6.51	0.85
21 23 16 00-0173	EA		Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528).....	9.19	1.13
21 23 16 00-0174	EA		Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529).....	8.98	1.13
21 23 16 00-0175	EA		Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530).....	2.57	0.28
21 23 16 00-0176	EA		Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257).....	4.34	
21 23 16 00-0177	EA		O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063).....	83.10	
21 23 16 00-0178	EA		3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024).....	561.66	
21 23 16 00-0179	EA		4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902).....	731.30	
21 23 16 00-0180	EA		6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901).....	845.73	
<b>21 23 16 00-0181</b>			<b>Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0182	EA		3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857).....	26.07	3.19
21 23 16 00-0183	EA		1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859).....	27.01	3.38
21 23 16 00-0184	EA		Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788).....	52.00	6.46
21 23 16 00-0185	EA		Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240).....	73.58	
21 23 16 00-0186	EA		3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188).....	158.16	
<b>21 23 16 00-0187</b>			<b>Pull Stations/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0188	EA		Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074).....	105.12	13.21
21 23 16 00-0189	EA		Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166).....	114.42	18.55
21 23 16 00-0190	EA		Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088).....	28.10	3.47
21 23 16 00-0191	EA		Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661).....	4.07	1.22
<b>21 23 16 00-0192</b>			<b>Asco Gas Valve Control Panels (21 23 16)</b>		
21 23 16 00-0193	EA		Relay Control Panel For AC Solenoid Valves (Asco 108D90C).....	1,826.11	206.16
21 23 16 00-0194	EA		Relay Control Panel For DC Solenoid Valves (Asco 108D10C).....	1,884.81	206.16
21 23 16 00-0195	EA		Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89).....	607.14	46.85



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 23 16 00-0196	EA	Emergency Stop Station For Relay Control Panel (Asco 173A19).....	568.79	46.85
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**21 24 Dry-Chemical Fire-Extinguishing Systems <sup>(21 20)</sup>**

**21 24 16 Dry-Chemical Fire-Extinguishing Equipment <sup>(21 24)</sup>**

**21 24 16 00-0001 Amerex KP Restaurant Fire Suppression Systems <sup>(21 24 16)</sup>**

Note: Amerex or equal.

21 24 16 00-0002	EA	3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	470.70	72.72
21 24 16 00-0003	EA	6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	653.07	91.67
21 24 16 00-0004	EA	Recharge - KP Liquid Agent (3.75 Gallon).....	155.11	
21 24 16 00-0005	EA	Recharge - KP Liquid Agent (6 Gallon).....	272.66	
21 24 16 00-0006	EA	3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet.....	108.57	15.26
21 24 16 00-0007	EA	6 Gallon, Bracket Assembly Agent Cylinder.....	63.24	8.85
21 24 16 00-0008	EA	6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit.....	27.43	
21 24 16 00-0009	EA	6 Gallon, Pneumatic Actuator, Agent Cylinder.....	108.57	15.26
21 24 16 00-0010	EA	MRM Actuator (Less N2 Cylinder And Enclosure).....	272.66	38.26
21 24 16 00-0011	EA	Painted Steel, MRM Enclosure.....	145.31	20.35
21 24 16 00-0012	EA	Stainless Steel, MRM Enclosure.....	175.85	20.35
21 24 16 00-0013	EA	Stainless Steel, Single Cylinder System Cabinet.....	432.66	60.74
21 24 16 00-0014	EA	N2 - 1/4" x 16" Actuation Hose.....	32.65	4.58
21 24 16 00-0015	EA	10 CU. Inch, Nitrogen Cylinder.....	145.31	20.35
		Note: Use For 1-10 Agent Cylinders		
21 24 16 00-0016	EA	Vent Check.....	26.12	3.66
21 24 16 00-0017	EA	Detector.....	19.59	2.75
		Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018	EA	280 To 450 Degree F, Fusible Link.....	7.36	1.02
21 24 16 00-0019	EA	Test Link.....	2.60	
21 24 16 00-0020	EA	Corner Pulley.....	10.12	1.42
21 24 16 00-0021	EA	1/16", 500 Foot Spool, Cable.....	163.26	22.90
21 24 16 00-0022	EA	Pulley Tee.....	73.46	10.28
21 24 16 00-0023	EA	Manual Pull Station (Standard).....	65.30	9.16
21 24 16 00-0024	EA	Manual Pull Station, Adapter Kit (Recess Standard Pull Station).....	30.63	4.27
21 24 16 00-0025	EA	Manual Pull Station (Oversized).....	72.81	10.18
21 24 16 00-0026	EA	Conduit Offset.....	14.53	2.04
21 24 16 00-0027	EA	3/8" Pipe Thread, Seal (Quick-Seal).....	20.02	2.85
21 24 16 00-0028	EA	1/2" Pipe Thread, Seal (Quick-Seal).....	16.33	2.34
21 24 16 00-0029	EA	3/8" Pipe Compression Seal.....	27.26	3.87
21 24 16 00-0030	EA	1/2" Pipe Compression Seal.....	27.26	3.87
21 24 16 00-0031	EA	Cap, Nozzle Blow-Off (Standard).....	8.21	2.64
21 24 16 00-0032	EA	Cap, Nozzle Blow-Off (High Temperature).....	18.19	2.64
21 24 16 00-0033	EA	2 Flow Points, Fryer/Griddle Nozzle.....	32.65	4.58
21 24 16 00-0034	EA	1 Flow Point Each, Appliance, Plenum Nozzle.....	32.65	4.58
21 24 16 00-0035	EA	Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each.....	32.65	4.58
21 24 16 00-0036	EA	1/2 Flow Points Each, Upright Charbroiler Nozzle.....	32.65	4.58
21 24 16 00-0037	EA	2 Flow Points Each, Duct (Only) Nozzle.....	32.65	4.58
21 24 16 00-0038	EA	2 Flow Points Each, Four Burner Range Nozzle.....	46.96	6.61
21 24 16 00-0039	EA	3/4" Or 1" Mechanical Gas Valve.....	257.11	26.96
21 24 16 00-0040	EA	1-1/4" Or 1-1/2" Mechanical Gas Valve.....	305.03	39.17
21 24 16 00-0041	EA	2" Mechanical Gas Valve.....	379.17	46.30
21 24 16 00-0042	EA	Manual Reset Relay (Required With Every Electric Gas Valve).....	411.42	57.69
21 24 16 00-0043	EA	SPDT Microswitch With 18" Leads.....	21.66	3.05
21 24 16 00-0044	EA	Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve.....	34.94	4.89
21 24 16 00-0045	EA	Gas Valve Trip Assembly.....	73.47	10.28

**21 24 16 00-0046 Range Guard Fire Suppression Systems <sup>(21 24 16)</sup>**

Note: Range Guard or equal.

21 24 16 00-0047	EA	1-1/4 Gallon Charged Cylinder With Valve.....	500.15	78.62
21 24 16 00-0048	EA	2-1/2 Gallon Charged Cylinder With Valve.....	624.33	98.12
21 24 16 00-0049	EA	4 Gallon Charged Cylinder With Valve.....	770.77	121.17
21 24 16 00-0050	EA	6 Gallon Charged Cylinder With Valve.....	915.51	143.85
21 24 16 00-0051	EA	Vent Plug.....	21.02	3.28
21 24 16 00-0052	EA	Discharge Adapter Kit.....	27.06	
21 24 16 00-0053	EA	1-1/4 Gallon Wall Bracket.....	55.67	8.71
21 24 16 00-0054	EA	2-1/2 Gallon Wall Bracket.....	58.91	9.28
21 24 16 00-0055	EA	4 Gallon Wall Bracket.....	111.27	17.53
21 24 16 00-0056	EA	6 Gallon Wall Bracket.....	123.32	19.40
21 24 16 00-0057	EA	Mechanical Control Head, No Microswitch.....	435.06	68.41
21 24 16 00-0058	EA	Mechanical Control Head, 1 Microswitch.....	453.90	71.31
21 24 16 00-0059	EA	Mechanical Control Head, 2 Microswitches.....	520.70	81.81
21 24 16 00-0060	EA	Tandem Control Head.....	395.67	62.22
21 24 16 00-0061	EA	Electric Control Head, 120 Volt AC / 24 Volt DC.....	669.72	105.24
21 24 16 00-0062	EA	Mechanical Control Box.....	298.03	46.85
21 24 16 00-0063	EA	Tandem Control Box.....	298.03	46.85
21 24 16 00-0064	EA	Mechanical Control Box Adapter.....	87.36	13.77
21 24 16 00-0065	EA	A+ Control head With 1 Pressure Operated Actuator.....	262.52	41.23
21 24 16 00-0066	EA	Pressure Operated Actuator.....	107.90	16.96
21 24 16 00-0067	EA	BMCS-1 Nitrogen Cylinder.....	174.71	27.46
21 24 16 00-0068	EA	BMCS-1 Actuator Assembly.....	178.14	28.02
21 24 16 00-0069	EA	BMCS-1 Mounting Bracket.....	43.67	6.84
21 24 16 00-0070	EA	BMCS-7 Nitrogen Cylinder.....	504.11	79.18
21 24 16 00-0071	EA	BMCS-7 Mounting Bracket.....	107.90	16.96
21 24 16 00-0072	EA	BMCS-7 Discharge Adapter Kit.....	107.90	16.96
21 24 16 00-0073	EA	Check Valve.....	92.49	20.15

**21 Fire Suppression****21 20 Fire-Extinguishing Systems****21 24 Dry-Chemical Fire-Extinguishing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0074	EA		Vent Check For Use With BMCS Systems.....	48.81	7.68
21 24 16 00-0075	EA		Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator .....	21.24	3.34
21 24 16 00-0076	EA		Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly.....	5.59	
21 24 16 00-0077	EA		Pneumatic Control Head For Slave Cylinders.....	111.33	17.53
21 24 16 00-0078	EA		Nozzles; ADP, F, R And GRW .....	51.04	8.06
21 24 16 00-0079	EA		Nozzles; DM And LPF.....	56.86	8.90
21 24 16 00-0080	EA		Swivel Adapter.....	35.96	5.63
21 24 16 00-0081	EA		Corner Pulley .....	15.41	2.44
21 24 16 00-0082	LF		1/16" Stainless Steel Cable.....	0.72	0.28
21 24 16 00-0083	EA		Cable Crimp Sleeve .....	0.87	0.28
21 24 16 00-0084	EA		"S" Hook.....	0.66	0.19
21 24 16 00-0085	EA		Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT .....	53.08	8.34
21 24 16 00-0086	EA		Cable Clamp .....	4.73	0.75
21 24 16 00-0087	EA		Nico Sleeves - 1/16" Cable .....	0.67	0.19
21 24 16 00-0088	EA		3/8" Cable Anchor .....	56.09	8.81
21 24 16 00-0089	EA		1/2" Cable Anchor .....	56.09	8.81
21 24 16 00-0090	EA		Mechanical Remote Manual Release (Pull Cable).....	90.73	14.25
21 24 16 00-0091	EA		Tee Pulley, Use For Mechanical Pull And Gas Valve.....	96.83	15.18
21 24 16 00-0092	EA		Surface Remote Manual Release, End-of-line.....	113.44	17.81
21 24 16 00-0093	EA		Surface Remote Manual Release, In line Conservation Kit.....	35.54	5.63
21 24 16 00-0094	EA		Surface Remote Manual Release, In line And End Of Line.....	148.93	23.33
21 24 16 00-0095	EA		Recessed Remote Manual Release, End-of-line.....	113.44	17.81
21 24 16 00-0096	EA		Recessed Remote Manual Release, In Line Kit.....	135.23	21.27
21 24 16 00-0097	EA		Pulley Tee, Remote In Line Only.....	24.31	3.84
21 24 16 00-0098	EA		Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve .....	26.99	4.22
21 24 16 00-0099	EA		Fusible Link 165F To 360F .....	8.84	1.40
21 24 16 00-0100	EA		Fusible Link 500F.....	13.71	1.40
21 24 16 00-0101	EA		Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves.....	26.99	4.22
21 24 16 00-0102	EA		Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve .....	20.23	4.22
21 24 16 00-0103	EA		Quartzoid Link 400 F.....	145.50	22.86
21 24 16 00-0104	EA		Quartzoid Link 500 F.....	145.50	22.86
21 24 16 00-0105	EA		SPDT Micro Switch For Use With A Plus Control Box .....	52.15	8.15
21 24 16 00-0106	EA		DPDT Micro Switch For Use With A Plus Control Box .....	90.73	14.25
21 24 16 00-0107	EA		SPDT Micro Switch For Use With A Mechanical Control Box .....	53.92	8.43
21 24 16 00-0108	EA		DPDT Micro Switch For Use With A Mechanical Control Box .....	93.45	14.71
21 24 16 00-0109	EA		SPDT Micro Switch For Use With PRCB .....	68.47	10.78
21 24 16 00-0110	EA		DPDT Micro Switch For Use With PRCB .....	98.77	15.46
21 24 16 00-0111	EA		Pressure Switch, SPDT (Fire Dept. Tie In).....	289.30	45.45
21 24 16 00-0112	EA		Circuit Monitor 12 Or 24 Volt DC.....	130.10	20.43
21 24 16 00-0113	EA		Circuit Monitor 120 Volt AC.....	130.10	20.43
21 24 16 00-0114	EA		Electric Manual Pull Station .....	95.00	14.90
21 24 16 00-0115	EA		6", 24 Volt DC, Motor Bell .....	53.07	8.34
21 24 16 00-0116	EA		10", 115 Volt AC Motor Bell.....	75.33	11.81
21 24 16 00-0117	EA		Fuse, 1.2 For ECH .....	6.11	0.94
21 24 16 00-0118	EA		Indicator Lamp 12 Or 24 Volt DC .....	26.99	4.22
21 24 16 00-0119	EA		Indicator Lamp 120 Volt AC .....	26.99	4.22
21 24 16 00-0120	EA		B-10 Manual Station Dual Action, SPDT .....	99.28	15.56
21 24 16 00-0121	EA		B-11 Manual Station Dual Action, DPDT .....	109.56	17.24
21 24 16 00-0122	EA		Break Rods For B10/B11 Manual Pull Station .....	3.13	1.22
21 24 16 00-0123	EA		Spare Key For B10/B11 Manual Stations.....	13.70	2.16
21 24 16 00-0124	EA		MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill.....	147.21	23.14
21 24 16 00-0125	EA		Suppression Abort Station .....	155.78	24.45
21 24 16 00-0126	EA		Suppression Abort Station With Surface Mount Back Box .....	181.45	28.49
21 24 16 00-0127	EA		Surface Mount Back Box.....	59.92	9.37
21 24 16 00-0128	EA		Single Hazard Control Unit, 120 Volt AC IP.....	1,112.67	174.58
21 24 16 00-0129	EA		Single Hazard Control Unit, 240 Volt AC IP .....	1,112.67	174.58
21 24 16 00-0130	EA		1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.....	92.43	14.52
21 24 16 00-0131	EA		Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W) .....	3.60	0.66
21 24 16 00-0132	EA		Spare Scorpio Circuit Board.....	804.49	
21 24 16 00-0133	EA		Extra Scorpio Key .....	13.70	
21 24 16 00-0134	EA		Extra Scorpio Manual.....	8.55	
21 24 16 00-0135	EA		Compression Seal Adapter 3/8" Pipe.....	23.27	3.65
21 24 16 00-0136	EA		Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe.....	25.27	3.93
21 24 16 00-0137	EA		Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe.....	30.41	4.78
21 24 16 00-0138	EA		Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe.....	32.52	5.06
21 24 16 00-0139	EA		Quik Seal Adapter 3/8" NPT Female.....	25.27	3.93
21 24 16 00-0140	EA		Quik Seal Adapter 1/2" NPT Female.....	25.27	3.93
21 24 16 00-0141	EA		Quik Seal Adapter 3/4" NPT Female.....	43.25	6.84
21 24 16 00-0142	EA		Quik Seal Adapter 1" NPT Female.....	57.35	8.99
21 24 16 00-0143	EA		Quik Patch (Up To 1-1/8" Diameter) .....	25.27	3.93
21 24 16 00-0144	EA		1-1/4 Gallon Karbaloy Charge.....	56.26	
21 24 16 00-0145	EA		2-1/2 Gallon Karbaloy Charge .....	96.71	
21 24 16 00-0146	EA		4 Gallon Karbaloy Charge .....	146.17	
21 24 16 00-0147	EA		6 Gallon Karbaloy Charge .....	213.90	
21 24 16 00-0148	EA		Inlet Flushing Adapter .....	41.94	6.55
21 24 16 00-0149	EA		1/2" Flushing Adapter (Outlet).....	41.94	6.55
21 24 16 00-0150	EA		1/8" Flushing Adapter (Outlet).....	41.94	6.55
21 24 16 00-0151	EA		1/4" Flushing Adapter (Outlet).....	41.94	6.55
21 24 16 00-0152	EA		3/8" Flushing Adapter (Outlet).....	41.94	6.55
21 24 16 00-0153	EA		Recharge Adapter (Old Style Cylinder Valve Assembly Only) .....	58.19	
21 24 16 00-0154	EA		Instruction Label (In Case Of Fire) - MCB .....	4.71	
21 24 16 00-0155	EA		Caution Sign (Turn On Fan).....	5.59	
21 24 16 00-0156	EA		Inspection Label (Authorized installers only).....	4.00	
21 24 16 00-0157	EA		Label, Warning, A+ Control Box.....	2.94	
21 24 16 00-0158	EA		Wet Chemical System Kits, RG-1.25G Kit; #23315.....	736.03	115.54

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0159 EA Wet Chemical System Kits, RG-2.5G Kit; #23316 .....	859.29	134.84
21 24 16 00-0160 EA Wet Chemical System Kits, RG-4GS Kit; #23317 .....	1,069.84	167.93
21 24 16 00-0161 EA Wet Chemical System Kits, RG-4GT Kit; #23318 .....	1,069.84	167.93
21 24 16 00-0162 EA Wet Chemical System Kits, RG-6G Kit; #23319 .....	1,345.43	211.13
21 24 16 00-0163 EA Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320 .....	637.62	100.08
21 24 16 00-0164 EA Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321 .....	599.10	93.99
21 24 16 00-0165 EA Wet Chemical System Kits, A Plus Control Box Kit; #23322 .....	484.41	76.00
21 24 16 00-0166 EA Wet Chemical System Kits, Valve Rebuild Kit; #23210 .....	838.73	131.67
21 24 16 00-0167 EA Wet Chemical System Kits, BMCS-1 Package; #23208 .....	768.55	120.60

21 30 Fire Pumps <sup>(21)</sup>

21 31 Centrifugal Fire Pumps <sup>(21 30)</sup>

**21 31 13 Electric-Drive, Centrifugal Fire Pumps <sup>(21 31)</sup>**

**21 31 13 00-0001 Electric-Drive Fire Pumps <sup>(21 31 13)</sup>**

Note: Includes fire pump, motor, motor starter, alarm panel, automatic transfer switch, and controller.

21 31 13 00-0002 EA 20 HP Electric Fire Pump .....	41,920.86	1,662.42
For Duplex Pumping System, Add	40,258.45	
21 31 13 00-0003 EA 30 HP Electric Fire Pump .....	48,892.19	1,870.22
For Duplex Pumping System, Add	47,160.51	
21 31 13 00-0004 EA 40 HP Electric Fire Pump .....	66,635.99	2,078.02
For Duplex Pumping System, Add	64,711.90	
21 31 13 00-0005 EA 50 HP Electric Fire Pump .....	82,190.47	2,314.54
For Duplex Pumping System, Add	79,875.94	
21 31 13 00-0006 EA 75 HP Electric Fire Pump .....	91,752.46	2,524.95
For Duplex Pumping System, Add	89,227.51	

**21 31 16 Diesel-Drive, Centrifugal Fire Pumps <sup>(21 31)</sup>**

**21 31 16 00-0001 Diesel-Drive Fire Pumps <sup>(21 31 16)</sup>**

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump, motor, motor starter, alarm panel, and controller.

21 31 16 00-0002 EA 30 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	61,695.68	1,893.71
21 31 16 00-0003 EA 40 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	69,793.61	2,104.12
21 31 16 00-0004 EA 50 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	73,327.19	2,314.54
21 31 16 00-0005 EA 75 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	83,451.15	2,524.95
21 31 16 00-0006 EA 150 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	88,562.24	2,945.78
21 31 16 00-0007 EA 175 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	95,291.11	3,787.43
21 31 16 00-0008 EA 200 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	103,429.50	4,208.25
21 31 16 00-0009 EA 250 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	118,269.90	4,797.40
21 31 16 00-0010 EA 300 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	141,693.91	5,176.15
21 31 16 00-0011 EA 350 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	166,256.68	5,891.55
21 31 16 00-0012 EA 400 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	197,372.25	6,312.38
21 31 16 00-0013 EA 500 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	222,277.66	6,733.20

21 34 Fire Pump Accessories <sup>(21 30)</sup>

**21 34 13 Pressure Maintenance Pumps <sup>(21 34)</sup>**

**21 34 13 00-0001 Jockey Pumps <sup>(21 34 13)</sup>**

Note: Includes pump and controller.

21 34 13 00-0002 EA Up To 3 HP, 1" Pipe Connection, Jockey Pump And Controller .....	4,336.29	420.83
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**END OF SECTION 21**

**21 Fire Suppression**

21 30 Fire Pumps

21 34 Fire Pump Accessories

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**THIS PAGE INTENTIONALLY LEFT BLANK**

MINOR CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

### 22 01 Operation and Maintenance of Plumbing <sup>(22)</sup>

#### 22 01 10 Operation and Maintenance of Plumbing Piping and Pumps <sup>(22 01)</sup>

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

##### 22 01 10 61 Plumbing Piping Repairs <sup>(22 01 10)</sup>

##### 22 01 10 61-0001 Pipe Repair Clamps <sup>(22 01 10 61)</sup>

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt ..... Note: Includes neoprene gasket	33.60
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt ..... Note: Includes neoprene gasket	35.14
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt ..... Note: Includes neoprene gasket	38.66
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt ..... Note: Includes neoprene gasket	41.33
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt ..... Note: Includes neoprene gasket	44.91
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt ..... Note: Includes neoprene gasket	57.40
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt ..... Note: Includes neoprene gasket	73.73
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt ..... Note: Includes neoprene gasket	86.15
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt ..... Note: Includes neoprene gasket	98.89
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt ..... Note: Includes neoprene gasket	52.60
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt ..... Note: Includes neoprene gasket	55.63
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt ..... Note: Includes neoprene gasket	61.60
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt ..... Note: Includes neoprene gasket	67.70
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt ..... Note: Includes neoprene gasket	74.76
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt ..... Note: Includes neoprene gasket	96.67
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt ..... Note: Includes neoprene gasket	118.60
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt ..... Note: Includes neoprene gasket	135.92
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt ..... Note: Includes neoprene gasket	154.46
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt ..... Note: Includes Buna rubber gasket	74.34
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt ..... Note: Includes Buna rubber gasket	77.63
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt ..... Note: Includes Buna rubber gasket	85.79
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt ..... Note: Includes Buna rubber gasket	94.11
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt ..... Note: Includes Buna rubber gasket	106.30
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt ..... Note: Includes Buna rubber gasket	130.47
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt ..... Note: Includes Buna rubber gasket	155.10
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt ..... Note: Includes Buna rubber gasket	187.32
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt ..... Note: Includes Buna rubber gasket	229.96
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt ..... Note: Includes Buna rubber gasket	236.31
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt ..... Note: Includes Buna rubber gasket	253.09

#### 22 01 40 Operation and Maintenance of Plumbing Fixtures <sup>(22 01)</sup>

##### 22 01 40 81 Plumbing Fixtures Replacement <sup>(22 01 40)</sup>

##### 22 01 40 81-0001 Removal And Replacement Of Fixture And/Or Trim <sup>(22 01 40 81)</sup>

Note: Includes removal of existing item(s) and installation of new item(s).

22 01 40 81-0002	EA	Removal And Replacement Of 3/8" To 1/2" Compression Shut-off Valve With 15" Polybutylene Supply Tube.....	53.62
22 01 40 81-0003	EA	Removal And Replacement Of 3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory.....	17.91
22 01 40 81-0004	EA	Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair .....	26.29
22 01 40 81-0005	EA	Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line .....	36.47
22 01 40 81-0006	EA	Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line.....	56.86
22 01 40 81-0007	EA	Removal And Replacement Of Shower Head, Polished Chrome.....	38.49
22 01 40 81-0008	EA	Removal And Replacement Of Shower Arm .....	33.34
22 01 40 81-0009	EA	Removal And Replacement Of Shower Head .....	38.18

**22 Plumbing****22 01 Operation and Maintenance of Plumbing****22 01 40 Operation and Maintenance of Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 40 81-0010	EA		Removal And Replacement Of Shower Knob .....	31.24	
22 01 40 81-0011	EA		Removal And Replacement Of Shower and Tub Control Trim.....	91.69	
			Note: Excludes balancing valve.		
22 01 40 81-0012	EA		Removal And Replacement Of Sink Basket Strainer .....	23.91	
22 01 40 81-0013	EA		Removal And Replacement Of 1-1/2" Sink Drain Without Stopper .....	13.29	
22 01 40 81-0014	EA		Removal And Replacement Of 4-1/2" Sink Drain Without Stopper .....	13.91	
22 01 40 81-0015	EA		Removal And Replacement Of 1-1/2" Sink Drain With Stopper .....	13.29	
22 01 40 81-0016	EA		Removal And Replacement Of 1" Sink Rubber Stopper .....	8.11	
22 01 40 81-0017	EA		Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" x 8" .....	22.95	
22 01 40 81-0018	EA		Removal And Replacement Of Sink Trap, Adjustable, 1-1/2" .....	36.85	
22 01 40 81-0019	EA		Removal And Replacement Of Lavatory Pop-Up Rod .....	24.49	
22 01 40 81-0020	EA		Removal And Replacement Of Lavatory Pop-up Drain Stopper .....	27.44	
22 01 40 81-0021	EA		Removal And Replacement Of Faucet Handle .....	30.73	
22 01 40 81-0022	EA		Removal And Replacement Of Faucet O-Ring .....	23.46	
22 01 40 81-0023	EA		Removal And Replacement Of 1-1/2" Faucet Hole Cover.....	16.44	
22 01 40 81-0024	EA		Removal And Replacement Of Toilet Ballcock .....	34.80	
22 01 40 81-0025	EA		Removal And Replacement Of Toilet Bowl Ring, Flat Wax .....	6.62	
			Note: Excludes removal of toilet.		
22 01 40 81-0026	EA		Removal And Replacement Of Toilet Tank .....	140.90	
22 01 40 81-0027	EA		Removal And Replacement Of 10" Toilet Bowl .....	173.42	
22 01 40 81-0028	EA		Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl .....	187.69	
22 01 40 81-0029	EA		Removal And Replacement Of 12" Toilet Bowl .....	201.45	
22 01 40 81-0030	EA		Removal And Replacement Of 18", Elongated, Toilet Bowl.....	178.22	
22 01 40 81-0031	EA		Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers.....	20.92	
22 01 40 81-0032	EA		Removal And Replacement Of Toilet Flapper With Chain .....	16.17	
22 01 40 81-0033	EA		Removal And Replacement Of Toilet Flush Tank Lever .....	17.19	
22 01 40 81-0034	EA		Removal And Replacement Of Toilet Tank Arm Lever.....	11.02	
22 01 40 81-0035	EA		Removal And Replacement Of Elongated Toilet Seat With Lid .....	95.57	
22 01 40 81-0036	EA		Removal And Replacement Of Elongated Toilet Seat Without Lid.....	79.82	
22 01 40 81-0037	EA		Removal And Replacement Of Handicap Toilet Seat, Complete With Rails .....	140.29	
22 01 40 81-0038	EA		Removal And Replacement Of Diverter Tub Spout.....	47.15	
22 01 40 81-0039	EA		Removal And Replacement Of Tub Spout .....	34.29	
22 01 40 81-0040	EA		Removal And Replacement Of 2" Tub Stopper.....	9.67	
22 01 40 81-0041	EA		Removal And Replacement Of Tub Waste/Overflow .....	67.82	
22 01 40 81-0042	EA		Removal And Replacement Of Tub Stem Bonnet Assembly .....	33.92	
22 01 40 81-0043	EA		Removal And Replacement Of Faucet Bonnet .....	37.81	
22 01 40 81-0044	EA		Removal And Replacement Of Faucet Diverter Stem .....	23.58	
22 01 40 81-0045	EA		Removal And Replacement Of Faucet Diverter Stem And Bonnet .....	31.49	
22 01 40 81-0046	EA		Removal And Replacement Of Faucet Spout .....	36.19	
22 01 40 81-0047	EA		Removal And Replacement Of Faucet Stem .....	26.40	
22 01 40 81-0048	EA		Removal And Replacement Of Plastic, Chrome Plated Drinking Fountain Bubbler Valve With Flexible Bubbler Guard.....	161.61	
22 01 40 81-0049	EA		Removal And Replacement Of Brass, Chrome Plated Drinking Fountain Bubbler Valve.....	201.00	
22 01 40 81-0050	EA		Removal And Replacement Of Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve .....	125.39	

**22 05 Common Work Results for Plumbing** <sup>(22)</sup>**22 05 13 Common Motor Requirements for Plumbing Equipment** <sup>(22 05)</sup>

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

**22 05 16 Expansion Fittings and Loops for Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

**22 05 17 Sleeves and Sleeve Seals for Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

**22 05 19 Meters and Gages for Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

**22 05 23 General-Duty Valves for Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 05 23 00-0000 for valves.

**22 05 29 Hangers and Supports for Plumbing Piping and Equipment** <sup>(22 05)</sup>

See CSI section 23 05 29 00-0000 for hangers and supports.

**22 05 33 Heat Tracing for Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 83 13 00-0000 for heat tracing cables.

**22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment** <sup>(22 05)</sup>**22 05 48 13 Vibration Controls for Plumbing Piping and Equipment** <sup>(22 05 48)</sup>

See CSI section 23 05 48 13-0000 for vibration and seismic control.

**22 05 53 Identification for Plumbing Piping and Equipment** <sup>(22 05)</sup>

See CSI section 23 05 53 00-0000 for identification.

**22 05 76 Facility Drainage Piping Cleanouts** <sup>(22 05)</sup>**22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover** <sup>(22 05 76)</sup>

Note: For floor installation.

**22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover** <sup>(22 05 76 00-0001)</sup>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0003 EA 2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover .....	581.33	54.13
For Carpet Flange, Add	58.50	
For Carpet Marker, Add	16.00	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
22 05 76 00-0004 EA 3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover .....	628.41	67.87
For Carpet Flange, Add	58.50	
For Carpet Marker, Add	16.00	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
22 05 76 00-0005 EA 4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover .....	784.60	82.01
For Carpet Flange, Add	58.50	
For Carpet Marker, Add	16.00	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
22 05 76 00-0006 EA 5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover .....	1,125.44	91.77
For Carpet Flange, Add	58.50	
For Carpet Marker, Add	16.00	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
22 05 76 00-0007 EA 6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover .....	1,384.99	99.41
For Carpet Flange, Add	58.50	
For Carpet Marker, Add	16.00	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
<b>22 05 76 00-0008 Cast Iron Heavy Duty Cleanout With Plug And Round Cover (22 05 76 00-0001)</b>		
22 05 76 00-0009 EA 2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover .....	669.77	54.13
For Carpet Flange, Add	58.50	
For Carpet Marker, Add	16.00	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
22 05 76 00-0010 EA 3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover .....	718.19	67.77
For Carpet Flange, Add	58.50	
For Carpet Marker, Add	16.00	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
22 05 76 00-0011 EA 4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover .....	874.44	82.01
For Carpet Flange, Add	58.50	
For Carpet Marker, Add	16.00	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
22 05 76 00-0012 EA 5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover .....	1,215.34	91.77
For Carpet Flange, Add	58.50	
For Carpet Marker, Add	16.00	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
22 05 76 00-0013 EA 6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover .....	1,474.80	99.41
For Carpet Flange, Add	58.50	
For Carpet Marker, Add	16.00	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
<b>22 05 76 00-0014 Wall Cover For Cleanout (22 05 76)</b>		
Note: Cover and screw only.		
<b>22 05 76 00-0015 Round Access Cover, Bronze Polished Top (22 05 76 00-0014)</b>		
Note: Cover and screw only.		
22 05 76 00-0016 EA 4-1/4" Diameter Wall Cover For Cleanout, Screwed .....	87.26	16.99
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0017 EA 5-1/2" Diameter Wall Cover For Cleanout, Screwed .....	94.05	20.35
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0018 EA 7" Diameter Wall Cover For Cleanout, Screwed .....	120.19	22.90
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	

**22 Plumbing****22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0019	EA		9-1/4" Diameter Wall Cover For Cleanout, Screwed .....	203.90	25.44
			<i>For Stainless Steel, Add</i>	9.00	
			<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0020	EA		11-1/4" Diameter Wall Cover For Cleanout, Screwed .....	307.25	27.98
			<i>For Stainless Steel, Add</i>	9.00	
			<i>For Vandal Proof Screws, Add</i>	19.50	
<b>22 05 76 00-0021</b>			<b>Square Wall Access Panel, Bronze Polished Top</b> (22 05 76 00-0014)		
			Note: Cover and screw only.		
22 05 76 00-0022	EA		7" x 7" Bronze Wall Or Floor Access Cover .....	420.06	16.99
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0023	EA		9" x 9" Bronze Wall Or Floor Access Cover .....	604.12	17.81
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0024	EA		10" x 10" Bronze Wall Or Floor Access Cover .....	645.48	18.83
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0025	EA		14" x 14" Bronze Wall Or Floor Access Cover .....	722.07	21.37
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
<b>22 05 76 00-0026</b>			<b>Secured Square Wall Access Panel, Bronze Polished Top</b> (22 05 76 00-0014)		
			Note: Cover and screw only.		
22 05 76 00-0027	EA		6" x 6" Bronze Secured Wall Access Panel.....	419.52	16.99
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0028	EA		8" x 8" Bronze Secured Wall Access Panel.....	603.33	17.81
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0029	EA		10" x 10" Bronze Secured Wall Access Panel.....	644.62	18.83
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0030	EA		12" x 12" Bronze Secured Wall Access Panel.....	721.13	21.37
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
<b>22 05 76 00-0031</b>			<b>Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated</b> (22 05 76 00-0014)		
			Note: Cover and screw only.		
22 05 76 00-0032	EA		6" x 6" Bronze Secured Hinged Access Panel.....	407.03	16.99
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0033	EA		8" x 8" Bronze Secured Hinged Access Panel, Scoriated.....	562.27	17.81
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0034	EA		10" x 10" Bronze Secured Hinged Access Panel, Scoriated.....	796.37	18.83
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0035	EA		12" x 12" Bronze Secured Hinged Access Panel, Scoriated.....	963.92	21.37
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
<b>22 05 76 00-0036</b>			<b>Cast Iron Cleanout Tee</b> (22 05 76)		
<b>22 05 76 00-0037</b>			<b>Cast Iron Cleanout Tee And Round Access Cover</b> (22 05 76 00-0036)		
			Note: Satin smooth secured cover.		
22 05 76 00-0038	EA		2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover .....	422.23	54.13
			<i>For Galvanized Cast Iron Parts, Add</i>	45.00	
			<i>For Vandal Proof Screws, Add</i>	18.00	
22 05 76 00-0039	EA		3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover .....	482.33	67.77
			<i>For Galvanized Cast Iron Parts, Add</i>	45.00	
			<i>For Vandal Proof Screws, Add</i>	18.00	
22 05 76 00-0040	EA		4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover .....	629.89	82.01
			<i>For Galvanized Cast Iron Parts, Add</i>	45.00	
			<i>For Vandal Proof Screws, Add</i>	18.00	
22 05 76 00-0041	EA		6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover .....	1,506.79	99.41
			<i>For Galvanized Cast Iron Parts, Add</i>	45.00	
			<i>For Vandal Proof Screws, Add</i>	18.00	
<b>22 05 76 00-0042</b>			<b>Cast Iron Cleanout Tee And Square Access Cover</b> (22 05 76 00-0036)		
			Note: Satin smooth secured cover.		
22 05 76 00-0043	EA		2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover .....	736.23	54.13
			<i>For Galvanized Cast Iron Parts, Add</i>	45.00	
			<i>For Vandal Proof Screws, Add</i>	18.00	
22 05 76 00-0044	EA		3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover .....	796.33	67.77
			<i>For Galvanized Cast Iron Parts, Add</i>	45.00	
			<i>For Vandal Proof Screws, Add</i>	18.00	
22 05 76 00-0045	EA		4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover .....	923.05	82.01
			<i>For Galvanized Cast Iron Parts, Add</i>	45.00	
			<i>For Vandal Proof Screws, Add</i>	18.00	
22 05 76 00-0046	EA		6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover .....	1,930.90	99.41
			<i>For Galvanized Cast Iron Parts, Add</i>	45.00	
			<i>For Vandal Proof Screws, Add</i>	18.00	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 05 76 00-0047</b>	<b>Cast Iron Cleanout Tee With Brass Plug</b> <small>(22 05 76 00-0036)</small>		
22 05 76 00-0048	EA 2" Cleanout Tee With Cast Bronze Screw Plug .....	345.99	44.26
22 05 76 00-0049	EA 3" Cleanout Tee With Cast Bronze Screw Plug .....	386.87	48.33
22 05 76 00-0050	EA 4" Cleanout Tee With Cast Bronze Screw Plug .....	515.62	63.60
22 05 76 00-0051	EA 5" Cleanout Tee With Cast Bronze Screw Plug .....	775.65	75.30
22 05 76 00-0052	EA 6" Cleanout Tee With Cast Bronze Screw Plug .....	1,324.01	89.03

<b>22 05 76 00-0053</b>	<b>Removable Cleanout Plug</b> <small>(22 05 76)</small>		
<b>22 05 76 00-0054</b>	<b>Threaded Bronze Plugs</b> <small>(22 05 76 00-0053)</small>		
22 05 76 00-0055	EA 1-1/4", 1-1/2" Or 2" Threaded Bronze Plug .....	68.80	12.72
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0056	EA 2-1/2" Threaded Bronze Plug .....	82.64	13.84
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0057	EA 3" Threaded Bronze Plug .....	142.70	15.26
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0058	EA 3-1/2" Threaded Bronze Plug .....	159.59	17.81
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0059	EA 4" Threaded Bronze Plug .....	180.43	20.35
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0060	EA 5" Threaded Bronze Plug .....	254.36	22.90
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0061	EA 6" Threaded Bronze Plug .....	375.50	25.44
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0062	EA 8" Threaded Bronze Plug .....	636.21	27.98
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0063	EA 10" Threaded Bronze Plug .....	916.66	30.53
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	

<b>22 05 76 00-0064</b>	<b>Threaded Brass Plugs</b> <small>(22 05 76 00-0053)</small>		
22 05 76 00-0065	EA 1-1/2" Threaded Brass Plug, Raised Head .....	28.61	12.72
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0066	EA 2" Threaded Brass Plug, Raised Head .....	29.16	12.72
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0067	EA 2-1/2" Threaded Brass Plug, Raised Head .....	31.83	13.84
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0068	EA 3" Threaded Brass Plug, Raised Head .....	36.08	15.26
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0069	EA 3-1/2" Threaded Brass Plug, Raised Head .....	42.66	17.81
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0070	EA 4" Threaded Brass Plug, Raised Head .....	50.24	20.35
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0071	EA 4-1/2" Threaded Brass Plug, Raised Head .....	54.02	21.43
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0072	EA 5" Threaded Brass Plug, Raised Head .....	58.14	22.90
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0073	EA 6" Threaded Brass Plug, Raised Head .....	76.60	25.44
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0074	EA 1-1/2" Threaded Brass Plug, Countersunk Head .....	28.18	12.72
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0075	EA 2" Threaded Brass Plug, Countersunk Head .....	28.78	12.72
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0076	EA 2-1/2" Threaded Brass Plug, Countersunk Head .....	33.02	13.84
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0077	EA 3" Threaded Brass Plug, Countersunk Head .....	36.26	15.26
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0078	EA 3-1/2" Threaded Brass Plug, Countersunk Head .....	42.15	17.81
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0079	EA 4" Threaded Brass Plug, Countersunk Head .....	49.43	20.35
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0080	EA 5" Threaded Brass Plug, Countersunk Head .....	57.69	22.90
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0081	EA 6" Threaded Brass Plug, Countersunk Head .....	69.43	25.44
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	

**22 07 Plumbing Insulation** (22)

**22 07 16 Plumbing Equipment Insulation** (22 07)

**22 07 16 00-0001 Lavatory Insulation** (22 07 16)

22 07 16 00-0002	EA Neoprene Insulation Kit For Under Lavatories .....	235.26	23.79
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**22 07 19 Plumbing Piping Insulation** (22 07)

**22 07 19 00-0001 Fiberglass Pipe Insulation** (22 07 19)

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0002			<b>1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0003	LF		1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	7.92	2.33
			For Single Layer Of Felt Finish, Add	0.17	
			For Work In Restricted Working Space, Add	1.89	
22 07 19 00-0004	LF		3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	8.10	2.33
			For Single Layer Of Felt Finish, Add	0.19	
			For Work In Restricted Working Space, Add	1.89	
22 07 19 00-0005	LF		1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	8.60	2.43
			For Single Layer Of Felt Finish, Add	0.20	
			For Work In Restricted Working Space, Add	2.00	
22 07 19 00-0006	LF		1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	8.93	2.54
			For Single Layer Of Felt Finish, Add	0.22	
			For Work In Restricted Working Space, Add	2.04	
22 07 19 00-0007	LF		1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	9.18	2.54
			For Single Layer Of Felt Finish, Add	0.24	
			For Work In Restricted Working Space, Add	2.08	
22 07 19 00-0008	LF		2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	9.72	2.64
			For Single Layer Of Felt Finish, Add	0.25	
			For Work In Restricted Working Space, Add	2.19	
22 07 19 00-0009	LF		2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	10.21	2.75
			For Single Layer Of Felt Finish, Add	0.29	
			For Work In Restricted Working Space, Add	2.23	
22 07 19 00-0010	LF		3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	10.78	2.85
			For Single Layer Of Felt Finish, Add	0.33	
			For Work In Restricted Working Space, Add	2.30	
22 07 19 00-0011	LF		4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	12.28	3.06
			For Single Layer Of Felt Finish, Add	0.42	
			For Work In Restricted Working Space, Add	2.49	
22 07 19 00-0012	LF		6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	14.50	3.60
			For Single Layer Of Felt Finish, Add	0.51	
			For Work In Restricted Working Space, Add	2.91	
22 07 19 00-0013			<b>1" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0014	LF		1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	10.62	3.17
			For Single Layer Of Felt Finish, Add	0.20	
			For Work In Restricted Working Space, Add	2.61	
22 07 19 00-0015	LF		3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	10.90	3.17
			For Single Layer Of Felt Finish, Add	0.23	
			For Work In Restricted Working Space, Add	2.61	
22 07 19 00-0016	LF		1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	11.08	3.17
			For Single Layer Of Felt Finish, Add	0.24	
			For Work In Restricted Working Space, Add	2.65	
22 07 19 00-0017	LF		1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	11.49	3.27
			For Single Layer Of Felt Finish, Add	0.27	
			For Work In Restricted Working Space, Add	2.68	
22 07 19 00-0018	LF		1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	11.82	3.27
			For Single Layer Of Felt Finish, Add	0.29	
			For Work In Restricted Working Space, Add	2.72	
22 07 19 00-0019	LF		2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	12.32	3.39
			For Single Layer Of Felt Finish, Add	0.32	
			For Work In Restricted Working Space, Add	2.80	
22 07 19 00-0020	LF		2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	13.00	3.60
			For Single Layer Of Felt Finish, Add	0.35	
			For Work In Restricted Working Space, Add	2.91	
22 07 19 00-0021	LF		3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	13.68	3.70
			For Single Layer Of Felt Finish, Add	0.39	
			For Work In Restricted Working Space, Add	2.98	
22 07 19 00-0022	LF		4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	15.51	3.91
			For Single Layer Of Felt Finish, Add	0.51	
			For Work In Restricted Working Space, Add	3.21	
22 07 19 00-0023	LF		6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	17.96	4.54
			For Single Layer Of Felt Finish, Add	0.62	
			For Work In Restricted Working Space, Add	3.62	
22 07 19 00-0024	LF		8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	22.26	5.08
			For Single Layer Of Felt Finish, Add	0.88	
			For Work In Restricted Working Space, Add	4.15	
22 07 19 00-0025	LF		10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	26.18	6.03
			For Single Layer Of Felt Finish, Add	1.03	
			For Work In Restricted Working Space, Add	4.91	
22 07 19 00-0026	LF		12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	30.03	6.87
			For Single Layer Of Felt Finish, Add	1.17	
			For Work In Restricted Working Space, Add	5.66	
22 07 19 00-0027	LF		14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	32.47	7.51
			For Single Layer Of Felt Finish, Add	1.36	
			For Work In Restricted Working Space, Add	5.87	
22 07 19 00-0028			<b>1-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0029	LF		1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	12.98	3.26
			For Single Layer Of Felt Finish, Add	0.41	
			For Work In Restricted Working Space, Add	2.72	
22 07 19 00-0030	LF		3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	13.15	3.26
			For Single Layer Of Felt Finish, Add	0.43	
			For Work In Restricted Working Space, Add	2.72	
22 07 19 00-0031	LF		1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	13.90	3.46
			For Single Layer Of Felt Finish, Add	0.45	
			For Work In Restricted Working Space, Add	2.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0032	LF		1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.41	3.54
			<i>For Single Layer Of Felt Finish, Add</i>	0.49	
			<i>For Work In Restricted Working Space, Add</i>	2.93	
22 07 19 00-0033	LF		1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.84	3.60
			<i>For Single Layer Of Felt Finish, Add</i>	0.51	
			<i>For Work In Restricted Working Space, Add</i>	2.99	
22 07 19 00-0034	LF		2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.83	3.79
			<i>For Single Layer Of Felt Finish, Add</i>	0.56	
			<i>For Work In Restricted Working Space, Add</i>	3.15	
22 07 19 00-0035	LF		2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.54	3.85
			<i>For Single Layer Of Felt Finish, Add</i>	0.62	
			<i>For Work In Restricted Working Space, Add</i>	3.20	
22 07 19 00-0036	LF		3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.08	3.99
			<i>For Single Layer Of Felt Finish, Add</i>	0.63	
			<i>For Work In Restricted Working Space, Add</i>	3.31	
22 07 19 00-0037	LF		4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.86	4.31
			<i>For Single Layer Of Felt Finish, Add</i>	0.73	
			<i>For Work In Restricted Working Space, Add</i>	3.58	
22 07 19 00-0038	LF		6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.83	5.04
			<i>For Single Layer Of Felt Finish, Add</i>	0.83	
			<i>For Work In Restricted Working Space, Add</i>	4.18	
22 07 19 00-0039	LF		8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.60	5.31
			<i>For Single Layer Of Felt Finish, Add</i>	1.04	
			<i>For Work In Restricted Working Space, Add</i>	4.41	
22 07 19 00-0040	LF		10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.08	6.36
			<i>For Single Layer Of Felt Finish, Add</i>	1.31	
			<i>For Work In Restricted Working Space, Add</i>	5.28	
22 07 19 00-0041	LF		12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	34.08	7.41
			<i>For Single Layer Of Felt Finish, Add</i>	1.43	
			<i>For Work In Restricted Working Space, Add</i>	6.15	
22 07 19 00-0042	LF		14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.19	8.11
			<i>For Single Layer Of Felt Finish, Add</i>	1.65	
			<i>For Work In Restricted Working Space, Add</i>	6.74	
<b>22 07 19 00-0043</b>			<b>2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0044	LF		1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.10	3.60
			<i>For Single Layer Of Felt Finish, Add</i>	0.65	
			<i>For Work In Restricted Working Space, Add</i>	2.98	
22 07 19 00-0045	LF		3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.30	3.60
			<i>For Single Layer Of Felt Finish, Add</i>	0.67	
			<i>For Work In Restricted Working Space, Add</i>	2.98	
22 07 19 00-0046	LF		1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.89	3.70
			<i>For Single Layer Of Felt Finish, Add</i>	0.72	
			<i>For Work In Restricted Working Space, Add</i>	3.02	
22 07 19 00-0047	LF		1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.39	3.70
			<i>For Single Layer Of Felt Finish, Add</i>	0.75	
			<i>For Work In Restricted Working Space, Add</i>	3.06	
22 07 19 00-0048	LF		1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.92	3.81
			<i>For Single Layer Of Felt Finish, Add</i>	0.80	
			<i>For Work In Restricted Working Space, Add</i>	3.10	
22 07 19 00-0049	LF		2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.60	3.91
			<i>For Single Layer Of Felt Finish, Add</i>	0.83	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 07 19 00-0050	LF		2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.56	4.02
			<i>For Single Layer Of Felt Finish, Add</i>	0.89	
			<i>For Work In Restricted Working Space, Add</i>	3.32	
22 07 19 00-0051	LF		3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.61	4.23
			<i>For Single Layer Of Felt Finish, Add</i>	0.96	
			<i>For Work In Restricted Working Space, Add</i>	3.44	
22 07 19 00-0052	LF		4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.56	4.44
			<i>For Single Layer Of Felt Finish, Add</i>	1.10	
			<i>For Work In Restricted Working Space, Add</i>	3.62	
22 07 19 00-0053	LF		6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.68	5.21
			<i>For Single Layer Of Felt Finish, Add</i>	1.28	
			<i>For Work In Restricted Working Space, Add</i>	4.35	
22 07 19 00-0054	LF		8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.36	5.51
			<i>For Single Layer Of Felt Finish, Add</i>	1.58	
			<i>For Work In Restricted Working Space, Add</i>	4.59	
22 07 19 00-0055	LF		10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	36.33	6.59
			<i>For Single Layer Of Felt Finish, Add</i>	1.89	
			<i>For Work In Restricted Working Space, Add</i>	5.50	
22 07 19 00-0056	LF		12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	41.71	7.90
			<i>For Single Layer Of Felt Finish, Add</i>	2.08	
			<i>For Work In Restricted Working Space, Add</i>	6.58	
22 07 19 00-0057	LF		14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	52.97	8.61
			<i>For Single Layer Of Felt Finish, Add</i>	2.35	
			<i>For Work In Restricted Working Space, Add</i>	9.18	
22 07 19 00-0058	LF		16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	56.07	10.10
			<i>For Single Layer Of Felt Finish, Add</i>	2.67	
			<i>For Work In Restricted Working Space, Add</i>	9.18	
22 07 19 00-0059	LF		18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	62.39	10.61
			<i>For Single Layer Of Felt Finish, Add</i>	3.18	
			<i>For Work In Restricted Working Space, Add</i>	9.64	
22 07 19 00-0060	LF		20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	70.69	12.12
			<i>For Single Layer Of Felt Finish, Add</i>	3.57	
			<i>For Work In Restricted Working Space, Add</i>	11.02	
22 07 19 00-0061	LF		24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	82.02	14.65
			<i>For Single Layer Of Felt Finish, Add</i>	3.95	
			<i>For Work In Restricted Working Space, Add</i>	13.31	

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 07 19 00-0062	<b>2-1/2" Thick Fiberglass Pipe Insulation</b> (22 07 19 00-0001)		
22 07 19 00-0063	LF 1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	20.04	4.23
	For Single Layer Of Felt Finish, Add	0.90	
	For Work In Restricted Working Space, Add	3.44	
22 07 19 00-0064	LF 3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	20.34	4.23
	For Single Layer Of Felt Finish, Add	0.93	
	For Work In Restricted Working Space, Add	3.44	
22 07 19 00-0065	LF 1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	21.15	4.23
	For Single Layer Of Felt Finish, Add	1.00	
	For Work In Restricted Working Space, Add	3.50	
22 07 19 00-0066	LF 1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	21.77	4.33
	For Single Layer Of Felt Finish, Add	1.05	
	For Work In Restricted Working Space, Add	3.52	
22 07 19 00-0067	LF 1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	22.42	4.33
	For Single Layer Of Felt Finish, Add	1.11	
	For Work In Restricted Working Space, Add	3.55	
22 07 19 00-0068	LF 2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	23.35	4.54
	For Single Layer Of Felt Finish, Add	1.16	
	For Work In Restricted Working Space, Add	3.70	
22 07 19 00-0069	LF 2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	24.68	4.65
	For Single Layer Of Felt Finish, Add	1.25	
	For Work In Restricted Working Space, Add	3.82	
22 07 19 00-0070	LF 3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	25.89	4.87
	For Single Layer Of Felt Finish, Add	1.33	
	For Work In Restricted Working Space, Add	3.96	
22 07 19 00-0071	LF 4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	28.68	5.08
	For Single Layer Of Felt Finish, Add	1.55	
	For Work In Restricted Working Space, Add	4.17	
22 07 19 00-0072	LF 6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	32.91	5.39
	For Single Layer Of Felt Finish, Add	1.80	
	For Work In Restricted Working Space, Add	4.74	
22 07 19 00-0073	LF 8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	44.22	6.45
	For Single Layer Of Felt Finish, Add	2.79	
	For Work In Restricted Working Space, Add	5.29	
22 07 19 00-0074	LF 10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	52.87	7.41
	For Single Layer Of Felt Finish, Add	3.42	
	For Work In Restricted Working Space, Add	6.10	
22 07 19 00-0075	LF 12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	59.92	9.20
	For Single Layer Of Felt Finish, Add	3.64	
	For Work In Restricted Working Space, Add	7.58	
22 07 19 00-0076	LF 14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	67.84	10.16
	For Single Layer Of Felt Finish, Add	4.23	
	For Work In Restricted Working Space, Add	8.27	
22 07 19 00-0077	LF 16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	79.60	12.90
	For Single Layer Of Felt Finish, Add	4.66	
	For Work In Restricted Working Space, Add	10.57	
22 07 19 00-0078	LF 18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	85.69	13.53
	For Single Layer Of Felt Finish, Add	5.11	
	For Work In Restricted Working Space, Add	11.10	
22 07 19 00-0079	LF 20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	97.22	15.44
	For Single Layer Of Felt Finish, Add	5.77	
	For Work In Restricted Working Space, Add	12.69	
22 07 19 00-0080	LF 24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	114.24	18.65
	For Single Layer Of Felt Finish, Add	6.63	
	For Work In Restricted Working Space, Add	15.33	
22 07 19 00-0081	<b>3" Thick Fiberglass Pipe Insulation</b> (22 07 19 00-0001)		
22 07 19 00-0082	LF 1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	22.09	4.68
	For Single Layer Of Felt Finish, Add	0.99	
	For Work In Restricted Working Space, Add	3.81	
22 07 19 00-0083	LF 3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	22.41	4.68
	For Single Layer Of Felt Finish, Add	1.02	
	For Work In Restricted Working Space, Add	3.81	
22 07 19 00-0084	LF 1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	23.26	4.72
	For Single Layer Of Felt Finish, Add	1.10	
	For Work In Restricted Working Space, Add	3.85	
22 07 19 00-0085	LF 1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	23.92	4.75
	For Single Layer Of Felt Finish, Add	1.16	
	For Work In Restricted Working Space, Add	3.87	
22 07 19 00-0086	LF 1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	24.67	4.80
	For Single Layer Of Felt Finish, Add	1.22	
	For Work In Restricted Working Space, Add	3.92	
22 07 19 00-0087	LF 2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	25.63	4.98
	For Single Layer Of Felt Finish, Add	1.27	
	For Work In Restricted Working Space, Add	4.06	
22 07 19 00-0088	LF 2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	27.10	5.15
	For Single Layer Of Felt Finish, Add	1.38	
	For Work In Restricted Working Space, Add	4.20	
22 07 19 00-0089	LF 3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	28.44	5.34
	For Single Layer Of Felt Finish, Add	1.46	
	For Work In Restricted Working Space, Add	4.35	
22 07 19 00-0090	LF 4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	31.53	5.63
	For Single Layer Of Felt Finish, Add	1.70	
	For Work In Restricted Working Space, Add	4.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
22 07 19 00-0091	LF		6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.14 1.97 5.21	6.40
22 07 19 00-0092	LF		8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.57 3.06 5.81	7.12
22 07 19 00-0093	LF		10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.08 3.75 6.71	8.22
22 07 19 00-0094	LF		12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.83 3.99 8.34	10.23
22 07 19 00-0095	LF		14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.52 4.64 9.10	11.16
22 07 19 00-0096	LF		16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	87.45 5.11 11.63	14.27
22 07 19 00-0097	LF		18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.13 5.61 12.21	14.98
22 07 19 00-0098	LF		20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.83 6.33 13.97	17.13
22 07 19 00-0099	LF		24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.51 7.28 16.87	20.68
<b>22 07 19 00-0100</b>			<b>3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0101	LF		1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.80 1.04 4.17	5.08
22 07 19 00-0102	LF		3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.17 1.08 4.17	5.08
22 07 19 00-0103	LF		1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.40 1.20 4.20	5.08
22 07 19 00-0104	LF		1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.11 1.26 4.23	5.18
22 07 19 00-0105	LF		1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.97 1.33 4.28	5.18
22 07 19 00-0106	LF		2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.97 1.39 4.43	5.39
22 07 19 00-0107	LF		2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.58 1.50 4.58	5.60
22 07 19 00-0108	LF		3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.94 1.59 4.74	5.81
22 07 19 00-0109	LF		4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.45 1.86 5.01	6.14
22 07 19 00-0110	LF		6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.47 2.15 5.69	6.98
22 07 19 00-0111	LF		8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.03 3.35 6.34	7.72
22 07 19 00-0112	LF		10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.44 4.10 7.31	8.89
22 07 19 00-0113	LF		12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.89 4.37 9.09	11.10
22 07 19 00-0114	LF		14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.42 5.07 9.93	12.16
22 07 19 00-0115	LF		16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.55 5.59 12.69	15.44
22 07 19 00-0116	LF		18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.82 6.13 13.32	16.28
22 07 19 00-0117	LF		20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	116.71 6.92 15.24	18.61
22 07 19 00-0118	LF		24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) ..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.10 7.96 18.40	22.42
<b>22 07 19 00-0119</b>			<b>4" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 07 19 00-0120	LF	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	27.00	5.71
		<i>For Single Layer Of Felt Finish, Add</i>	1.21	
		<i>For Work In Restricted Working Space, Add</i>	4.64	
22 07 19 00-0121	LF	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	27.41	5.71
		<i>For Single Layer Of Felt Finish, Add</i>	1.26	
		<i>For Work In Restricted Working Space, Add</i>	4.64	
22 07 19 00-0122	LF	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	28.53	5.71
		<i>For Single Layer Of Felt Finish, Add</i>	1.35	
		<i>For Work In Restricted Working Space, Add</i>	4.72	
22 07 19 00-0123	LF	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	29.45	5.81
		<i>For Single Layer Of Felt Finish, Add</i>	1.42	
		<i>For Work In Restricted Working Space, Add</i>	4.77	
22 07 19 00-0124	LF	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	30.68	6.03
		<i>For Single Layer Of Felt Finish, Add</i>	1.50	
		<i>For Work In Restricted Working Space, Add</i>	4.92	
22 07 19 00-0125	LF	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	31.81	6.24
		<i>For Single Layer Of Felt Finish, Add</i>	1.56	
		<i>For Work In Restricted Working Space, Add</i>	5.07	
22 07 19 00-0126	LF	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	33.27	6.24
		<i>For Single Layer Of Felt Finish, Add</i>	1.69	
		<i>For Work In Restricted Working Space, Add</i>	5.15	
22 07 19 00-0127	LF	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	34.95	6.56
		<i>For Single Layer Of Felt Finish, Add</i>	1.80	
		<i>For Work In Restricted Working Space, Add</i>	5.34	
22 07 19 00-0128	LF	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	38.73	6.87
		<i>For Single Layer Of Felt Finish, Add</i>	2.09	
		<i>For Work In Restricted Working Space, Add</i>	5.64	
22 07 19 00-0129	LF	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	44.40	7.83
		<i>For Single Layer Of Felt Finish, Add</i>	2.42	
		<i>For Work In Restricted Working Space, Add</i>	6.40	
22 07 19 00-0130	LF	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	59.66	8.46
		<i>For Single Layer Of Felt Finish, Add</i>	3.77	
		<i>For Work In Restricted Working Space, Add</i>	7.13	
22 07 19 00-0131	LF	10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	71.39	10.05
		<i>For Single Layer Of Felt Finish, Add</i>	4.61	
		<i>For Work In Restricted Working Space, Add</i>	8.24	
22 07 19 00-0132	LF	12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	80.91	12.47
		<i>For Single Layer Of Felt Finish, Add</i>	4.91	
		<i>For Work In Restricted Working Space, Add</i>	10.23	
22 07 19 00-0133	LF	14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	91.62	13.64
		<i>For Single Layer Of Felt Finish, Add</i>	5.71	
		<i>For Work In Restricted Working Space, Add</i>	11.18	
22 07 19 00-0134	LF	16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	107.54	17.45
		<i>For Single Layer Of Felt Finish, Add</i>	6.29	
		<i>For Work In Restricted Working Space, Add</i>	14.29	
22 07 19 00-0135	LF	18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	115.62	18.30
		<i>For Single Layer Of Felt Finish, Add</i>	6.90	
		<i>For Work In Restricted Working Space, Add</i>	14.97	
22 07 19 00-0136	LF	20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	129.58	20.94
		<i>For Single Layer Of Felt Finish, Add</i>	7.61	
		<i>For Work In Restricted Working Space, Add</i>	17.14	
22 07 19 00-0137	LF	24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	154.26	25.27
		<i>For Single Layer Of Felt Finish, Add</i>	8.95	
		<i>For Work In Restricted Working Space, Add</i>	20.71	

**22 07 19 00-0138 Foamglas Pipe Insulation, Rigid, Closed Cell** (22 07 19)

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

**22 07 19 00-0139 1" Thick Foamglas Pipe Insulation** (22 07 19 00-0138)

22 07 19 00-0140	LF	1/2" Diameter Pipe, 1" Thick Foamglas Insulation .....	18.05	5.16
		<i>For Work In Restricted Working Space, Add</i>	4.69	
22 07 19 00-0141	LF	3/4" Diameter Pipe, 1" Thick Foamglas Insulation .....	18.66	5.16
		<i>For Work In Restricted Working Space, Add</i>	4.69	
22 07 19 00-0142	LF	1" Diameter Pipe, 1" Thick Foamglas Insulation .....	19.51	5.23
		<i>For Work In Restricted Working Space, Add</i>	4.76	
22 07 19 00-0143	LF	1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation .....	19.94	5.31
		<i>For Work In Restricted Working Space, Add</i>	4.82	
22 07 19 00-0144	LF	1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation .....	20.58	5.38
		<i>For Work In Restricted Working Space, Add</i>	4.89	
22 07 19 00-0145	LF	2" Diameter Pipe, 1" Thick Foamglas Insulation .....	21.82	5.53
		<i>For Work In Restricted Working Space, Add</i>	5.03	
22 07 19 00-0146	LF	2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation .....	23.39	5.76
		<i>For Work In Restricted Working Space, Add</i>	5.24	
22 07 19 00-0147	LF	3" Diameter Pipe, 1" Thick Foamglas Insulation .....	25.04	5.91
		<i>For Work In Restricted Working Space, Add</i>	5.37	
22 07 19 00-0148	LF	4" Diameter Pipe, 1" Thick Foamglas Insulation .....	28.66	6.36
		<i>For Work In Restricted Working Space, Add</i>	5.78	
22 07 19 00-0149	LF	6" Diameter Pipe, 1" Thick Foamglas Insulation .....	35.95	7.17
		<i>For Work In Restricted Working Space, Add</i>	6.52	

**22 07 19 00-0150 1-1/2" Thick Foamglas Pipe Insulation** (22 07 19 00-0138)

22 07 19 00-0151	LF	1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	21.04	5.72
		<i>For Work In Restricted Working Space, Add</i>	5.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0152	LF		3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	21.43 5.03	5.72
22 07 19 00-0153	LF		1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	22.05 5.10	5.79
22 07 19 00-0154	LF		1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	22.55 5.17	5.86
22 07 19 00-0155	LF		1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	23.02 5.24	5.95
22 07 19 00-0156	LF		2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	24.79 5.41	6.15
22 07 19 00-0157	LF		2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	27.75 5.61	6.38
22 07 19 00-0158	LF		3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	30.37 5.78	6.57
22 07 19 00-0159	LF		4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	34.15 6.15	6.99
22 07 19 00-0160	LF		6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	40.04 6.97	7.92
22 07 19 00-0161	LF		8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	44.75 7.77	8.83
22 07 19 00-0162	LF		10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	54.01 8.96	10.19
22 07 19 00-0163	LF		12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	64.40 11.13	12.65
22 07 19 00-0164	LF		14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	71.39 12.10	13.31
22 07 19 00-0165	LF		16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	78.71 13.52	14.87
22 07 19 00-0166	LF		18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	89.62 15.99	17.58
22 07 19 00-0167	LF		20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	100.02 17.70	19.47
22 07 19 00-0168	LF		24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation <i>For Work In Restricted Working Space, Add</i>	123.34 19.61	21.57
<b>22 07 19 00-0169      2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)</b>					
22 07 19 00-0170	LF		1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	23.48 5.37	5.91
22 07 19 00-0171	LF		3/4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	24.09 5.37	5.91
22 07 19 00-0172	LF		1" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	24.90 5.44	5.97
22 07 19 00-0173	LF		1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	26.07 5.51	6.06
22 07 19 00-0174	LF		1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	27.26 5.57	6.14
22 07 19 00-0175	LF		2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	30.19 5.78	6.36
22 07 19 00-0176	LF		2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	31.61 5.98	6.59
22 07 19 00-0177	LF		3" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	33.77 6.18	6.80
22 07 19 00-0178	LF		4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	37.77 6.53	7.18
22 07 19 00-0179	LF		6" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	44.93 7.41	8.15
22 07 19 00-0180	LF		8" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	50.03 8.27	9.10
22 07 19 00-0181	LF		10" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	60.57 9.53	10.48
22 07 19 00-0182	LF		12" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	75.05 11.84	13.03
22 07 19 00-0183	LF		14" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	80.34 12.93	14.23
22 07 19 00-0184	LF		16" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	95.73 16.52	18.18
22 07 19 00-0185	LF		18" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	103.97 17.35	19.08
22 07 19 00-0186	LF		20" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	115.40 19.83	21.81
22 07 19 00-0187	LF		24" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	144.20 23.96	26.35
<b>22 07 19 00-0188      2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)</b>					
22 07 19 00-0189	LF		1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	28.10 5.83	6.41
22 07 19 00-0190	LF		3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	29.11 5.82	6.40
22 07 19 00-0191	LF		1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	30.46 5.92	6.50
22 07 19 00-0192	LF		1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	31.64 5.96	6.56
22 07 19 00-0193	LF		1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	32.83 6.01	6.61
22 07 19 00-0194	LF		2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	35.08 6.26	6.87

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0195	LF		2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	37.22	7.11
			<i>For Work In Restricted Working Space, Add</i>	6.47	
22 07 19 00-0196	LF		3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	40.22	7.36
			<i>For Work In Restricted Working Space, Add</i>	6.69	
22 07 19 00-0197	LF		4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	44.81	7.76
			<i>For Work In Restricted Working Space, Add</i>	7.06	
22 07 19 00-0198	LF		6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	53.34	8.83
			<i>For Work In Restricted Working Space, Add</i>	8.03	
22 07 19 00-0199	LF		8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	59.44	9.84
			<i>For Work In Restricted Working Space, Add</i>	8.95	
22 07 19 00-0200	LF		10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	67.88	11.34
			<i>For Work In Restricted Working Space, Add</i>	10.32	
22 07 19 00-0201	LF		12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	84.51	14.11
			<i>For Work In Restricted Working Space, Add</i>	12.82	
22 07 19 00-0202	LF		14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	88.48	15.40
			<i>For Work In Restricted Working Space, Add</i>	14.00	
22 07 19 00-0203	LF		16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	105.14	19.68
			<i>For Work In Restricted Working Space, Add</i>	17.89	
22 07 19 00-0204	LF		18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	113.94	20.66
			<i>For Work In Restricted Working Space, Add</i>	18.79	
22 07 19 00-0205	LF		20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	130.93	23.61
			<i>For Work In Restricted Working Space, Add</i>	21.47	
22 07 19 00-0206	LF		24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	163.43	28.54
			<i>For Work In Restricted Working Space, Add</i>	25.94	
<b>22 07 19 00-0207 3" Thick Foamglas Pipe Insulation (22 07 19 00-0138)</b>					
22 07 19 00-0208	LF		1/2" Diameter Pipe, 3" Thick Foamglas Insulation .....	33.46	6.81
			<i>For Work In Restricted Working Space, Add</i>	6.20	
22 07 19 00-0209	LF		3/4" Diameter Pipe, 3" Thick Foamglas Insulation .....	34.07	6.81
			<i>For Work In Restricted Working Space, Add</i>	6.20	
22 07 19 00-0210	LF		1" Diameter Pipe, 3" Thick Foamglas Insulation .....	35.03	6.92
			<i>For Work In Restricted Working Space, Add</i>	6.29	
22 07 19 00-0211	LF		1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation .....	35.79	6.97
			<i>For Work In Restricted Working Space, Add</i>	6.34	
22 07 19 00-0212	LF		1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation .....	36.59	7.03
			<i>For Work In Restricted Working Space, Add</i>	6.39	
22 07 19 00-0213	LF		2" Diameter Pipe, 3" Thick Foamglas Insulation .....	39.20	7.31
			<i>For Work In Restricted Working Space, Add</i>	6.65	
22 07 19 00-0214	LF		2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation .....	41.68	7.57
			<i>For Work In Restricted Working Space, Add</i>	6.88	
22 07 19 00-0215	LF		3" Diameter Pipe, 3" Thick Foamglas Insulation .....	46.97	7.84
			<i>For Work In Restricted Working Space, Add</i>	7.12	
22 07 19 00-0216	LF		4" Diameter Pipe, 3" Thick Foamglas Insulation .....	53.25	8.26
			<i>For Work In Restricted Working Space, Add</i>	7.51	
22 07 19 00-0217	LF		6" Diameter Pipe, 3" Thick Foamglas Insulation .....	58.49	9.39
			<i>For Work In Restricted Working Space, Add</i>	8.54	
22 07 19 00-0218	LF		8" Diameter Pipe, 3" Thick Foamglas Insulation .....	65.99	10.47
			<i>For Work In Restricted Working Space, Add</i>	9.52	
22 07 19 00-0219	LF		10" Diameter Pipe, 3" Thick Foamglas Insulation .....	78.51	12.08
			<i>For Work In Restricted Working Space, Add</i>	10.97	
22 07 19 00-0220	LF		12" Diameter Pipe, 3" Thick Foamglas Insulation .....	91.70	15.00
			<i>For Work In Restricted Working Space, Add</i>	13.64	
22 07 19 00-0221	LF		14" Diameter Pipe, 3" Thick Foamglas Insulation .....	98.34	16.38
			<i>For Work In Restricted Working Space, Add</i>	14.89	
22 07 19 00-0222	LF		16" Diameter Pipe, 3" Thick Foamglas Insulation .....	118.11	20.94
			<i>For Work In Restricted Working Space, Add</i>	19.03	
22 07 19 00-0223	LF		18" Diameter Pipe, 3" Thick Foamglas Insulation .....	126.22	21.98
			<i>For Work In Restricted Working Space, Add</i>	19.99	
22 07 19 00-0224	LF		20" Diameter Pipe, 3" Thick Foamglas Insulation .....	147.59	25.13
			<i>For Work In Restricted Working Space, Add</i>	22.84	
22 07 19 00-0225	LF		24" Diameter Pipe, 3" Thick Foamglas Insulation .....	180.25	30.36
			<i>For Work In Restricted Working Space, Add</i>	27.59	
<b>22 07 19 00-0226 3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)</b>					
22 07 19 00-0227	LF		1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation .....	40.32	8.26
			<i>For Work In Restricted Working Space, Add</i>	7.51	
22 07 19 00-0228	LF		3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation .....	41.09	8.26
			<i>For Work In Restricted Working Space, Add</i>	7.51	
22 07 19 00-0229	LF		1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation .....	42.04	8.31
			<i>For Work In Restricted Working Space, Add</i>	7.56	
22 07 19 00-0230	LF		1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation .....	42.97	8.36
			<i>For Work In Restricted Working Space, Add</i>	7.61	
22 07 19 00-0231	LF		1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation .....	44.06	8.47
			<i>For Work In Restricted Working Space, Add</i>	7.70	
22 07 19 00-0232	LF		2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation .....	48.21	8.77
			<i>For Work In Restricted Working Space, Add</i>	7.97	
22 07 19 00-0233	LF		2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation .....	52.40	9.07
			<i>For Work In Restricted Working Space, Add</i>	8.25	
22 07 19 00-0234	LF		3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation .....	55.25	9.39
			<i>For Work In Restricted Working Space, Add</i>	8.54	
22 07 19 00-0235	LF		4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation .....	59.11	9.92
			<i>For Work In Restricted Working Space, Add</i>	9.02	
22 07 19 00-0236	LF		6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation .....	67.97	11.27
			<i>For Work In Restricted Working Space, Add</i>	10.25	
22 07 19 00-0237	LF		8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation .....	77.15	12.55
			<i>For Work In Restricted Working Space, Add</i>	11.41	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0238	LF		10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	92.03 13.17	14.49
22 07 19 00-0239	LF		12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	109.17 16.37	18.00
22 07 19 00-0240	LF		14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	114.31 17.87	19.66
22 07 19 00-0241	LF		16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	137.77 22.84	25.13
22 07 19 00-0242	LF		18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	150.84 23.98	26.38
22 07 19 00-0243	LF		20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	171.80 27.43	30.17
22 07 19 00-0244	LF		24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	210.68 33.12	36.42
<b>22 07 19 00-0245</b>			<b>4" Thick Foamglas Pipe Insulation</b> (22 07 19 00-0138)		
22 07 19 00-0246	LF		1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	49.14 9.23	10.16
22 07 19 00-0247	LF		3/4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	50.14 9.23	10.16
22 07 19 00-0248	LF		1" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	51.66 9.38	10.32
22 07 19 00-0249	LF		1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	53.03 9.50	10.45
22 07 19 00-0250	LF		1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	55.02 9.79	10.77
22 07 19 00-0251	LF		2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	59.18 10.10	11.10
22 07 19 00-0252	LF		2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	62.86 10.25	11.28
22 07 19 00-0253	LF		3" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	65.92 10.63	11.70
22 07 19 00-0254	LF		4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	72.17 11.86	13.04
22 07 19 00-0255	LF		6" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	82.98 12.73	14.00
22 07 19 00-0256	LF		8" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	93.38 13.80	15.18
22 07 19 00-0257	LF		10" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	107.26 16.40	18.04
22 07 19 00-0258	LF		12" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	125.93 20.37	22.41
22 07 19 00-0259	LF		14" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	136.99 22.25	24.46
22 07 19 00-0260	LF		16" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	163.64 28.45	31.28
22 07 19 00-0261	LF		18" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	181.12 29.81	32.79
22 07 19 00-0262	LF		20" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	203.38 34.12	37.53
22 07 19 00-0263	LF		24" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	256.92 41.22	45.34
<b>22 07 19 00-0264</b>			<b>Polyisocyanurate Pipe Insulation</b> (22 07 19)		
			Note: Dow Trymer insulation with Saran vapor wrap. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
<b>22 07 19 00-0265</b>			<b>1" Thick Polyisocyanurate Pipe Insulation</b> (22 07 19 00-0264)		
22 07 19 00-0266	LF		2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	12.20	3.06
22 07 19 00-0267	LF		2-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	13.02	3.27
22 07 19 00-0268	LF		3" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	13.94	3.49
22 07 19 00-0269	LF		4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	16.57	4.12
22 07 19 00-0270	LF		6" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	20.85	5.18
22 07 19 00-0271	LF		8" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	25.07	6.14
22 07 19 00-0272	LF		10" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	28.44	6.87
<b>22 07 19 00-0273</b>			<b>1-1/2" Thick Polyisocyanurate Pipe Insulation</b> (22 07 19 00-0264)		
22 07 19 00-0274	LF		2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	13.58	3.27
22 07 19 00-0275	LF		2-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	14.62	3.49
22 07 19 00-0276	LF		3" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	15.65	3.60
22 07 19 00-0277	LF		4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	18.66	4.44
22 07 19 00-0278	LF		6" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	23.83	5.60
22 07 19 00-0279	LF		8" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	29.08	6.87
22 07 19 00-0280	LF		10" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	33.23	7.72
<b>22 07 19 00-0281</b>			<b>2" Thick Polyisocyanurate Pipe Insulation</b> (22 07 19 00-0264)		
22 07 19 00-0282	LF		2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	16.16	3.49
22 07 19 00-0283	LF		2-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	17.56	3.70
22 07 19 00-0284	LF		3" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	18.37	3.91
22 07 19 00-0285	LF		4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	22.08	4.76
22 07 19 00-0286	LF		6" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	27.40	6.14

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
22 07 19 00-0287	LF	8" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	35.37		7.72
22 07 19 00-0288	LF	10" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	38.43		8.89
<b>22 07 19 00-0289</b>		<b>Flexible Polyethylene Tubing Closed Cell Foam Insulation</b> <small>(22 07 19)</small>			
		Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.			
<b>22 07 19 00-0290</b>		<b>3/8" Wall Flexible Polyethylene Tubing Foam Insulation</b> <small>(22 07 19 00-0289)</small>			
22 07 19 00-0291	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	6.68		3.16
		<i>For Work In Restricted Working Space, Add</i>	1.90		
22 07 19 00-0292	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	6.69		3.16
		<i>For Work In Restricted Working Space, Add</i>	1.91		
22 07 19 00-0293	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	6.95		3.27
		<i>For Work In Restricted Working Space, Add</i>	1.97		
22 07 19 00-0294	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	7.22		3.39
		<i>For Work In Restricted Working Space, Add</i>	2.03		
22 07 19 00-0295	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	7.45		3.45
		<i>For Work In Restricted Working Space, Add</i>	2.06		
22 07 19 00-0296	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	7.73		3.50
		<i>For Work In Restricted Working Space, Add</i>	2.10		
22 07 19 00-0297	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	7.84		3.50
		<i>For Work In Restricted Working Space, Add</i>	2.11		
22 07 19 00-0298	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.13		3.50
		<i>For Work In Restricted Working Space, Add</i>	2.12		
22 07 19 00-0299	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.72		3.61
		<i>For Work In Restricted Working Space, Add</i>	2.18		
22 07 19 00-0300	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.00		3.67
		<i>For Work In Restricted Working Space, Add</i>	2.22		
<b>22 07 19 00-0301</b>		<b>1/2" Wall Flexible Polyethylene Tubing Foam Insulation</b> <small>(22 07 19 00-0289)</small>			
22 07 19 00-0302	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	7.37		3.45
		<i>For Work In Restricted Working Space, Add</i>	2.06		
22 07 19 00-0303	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	7.45		3.45
		<i>For Work In Restricted Working Space, Add</i>	2.08		
22 07 19 00-0304	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	7.57		3.50
		<i>For Work In Restricted Working Space, Add</i>	2.10		
22 07 19 00-0305	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	7.70		3.52
		<i>For Work In Restricted Working Space, Add</i>	2.12		
22 07 19 00-0306	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	8.05		3.61
		<i>For Work In Restricted Working Space, Add</i>	2.17		
22 07 19 00-0307	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.33		3.67
		<i>For Work In Restricted Working Space, Add</i>	2.20		
22 07 19 00-0308	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.67		3.72
		<i>For Work In Restricted Working Space, Add</i>	2.24		
22 07 19 00-0309	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.06		3.78
		<i>For Work In Restricted Working Space, Add</i>	2.27		
22 07 19 00-0310	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.74		3.89
		<i>For Work In Restricted Working Space, Add</i>	2.33		
22 07 19 00-0311	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.44		3.94
		<i>For Work In Restricted Working Space, Add</i>	2.37		
22 07 19 00-0312	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.08		4.00
		<i>For Work In Restricted Working Space, Add</i>	2.40		
22 07 19 00-0313	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.49		4.05
		<i>For Work In Restricted Working Space, Add</i>	2.43		
<b>22 07 19 00-0314</b>		<b>3/4" Wall Flexible Polyethylene Tubing Foam Insulation</b> <small>(22 07 19 00-0289)</small>			
22 07 19 00-0315	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	8.18		3.72
		<i>For Work In Restricted Working Space, Add</i>	2.24		
22 07 19 00-0316	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	8.28		3.78
		<i>For Work In Restricted Working Space, Add</i>	2.27		
22 07 19 00-0317	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	8.76		3.89
		<i>For Work In Restricted Working Space, Add</i>	2.33		
22 07 19 00-0318	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	8.98		3.94
		<i>For Work In Restricted Working Space, Add</i>	2.37		
22 07 19 00-0319	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.56		4.05
		<i>For Work In Restricted Working Space, Add</i>	2.43		
22 07 19 00-0320	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.13		4.11
		<i>For Work In Restricted Working Space, Add</i>	2.46		
22 07 19 00-0321	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.40		4.13
		<i>For Work In Restricted Working Space, Add</i>	2.48		
22 07 19 00-0322	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.42		4.17
		<i>For Work In Restricted Working Space, Add</i>	2.50		
22 07 19 00-0323	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.86		4.27
		<i>For Work In Restricted Working Space, Add</i>	2.57		
22 07 19 00-0324	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.97		4.33
		<i>For Work In Restricted Working Space, Add</i>	2.60		
22 07 19 00-0325	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.00		4.39
		<i>For Work In Restricted Working Space, Add</i>	2.63		
22 07 19 00-0326	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.45		4.44
		<i>For Work In Restricted Working Space, Add</i>	2.67		
<b>22 07 19 00-0327</b>		<b>1" Wall Flexible Polyethylene Tubing Foam Insulation</b> <small>(22 07 19 00-0289)</small>			
22 07 19 00-0328	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	9.25		4.11
		<i>For Work In Restricted Working Space, Add</i>	2.46		

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 07 19 00-0329	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.47 2.50	4.17
22 07 19 00-0330	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.13 2.57	4.27
22 07 19 00-0331	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.35 2.60	4.33
22 07 19 00-0332	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.33 2.67	4.44
22 07 19 00-0333	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.84 2.73	4.55
22 07 19 00-0334	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.04 2.76	4.61
22 07 19 00-0335	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.97 2.80	4.66
22 07 19 00-0336	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.65 2.87	4.78
22 07 19 00-0337	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.23 2.90	4.84

**22 07 19 00-0338 Flexible Elastomeric Tubing Closed Cell Foam Insulation (22 07 19)**

Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

**22 07 19 00-0339 3/8" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0338)**

22 07 19 00-0340	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.12 1.90	3.16
22 07 19 00-0341	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.25 1.91	3.16
22 07 19 00-0342	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.54 1.97	3.27
22 07 19 00-0343	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.72 2.00	3.33
22 07 19 00-0344	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.91 2.03	3.39
22 07 19 00-0345	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.17 2.06	3.45
22 07 19 00-0346	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.40 2.10	3.50
22 07 19 00-0347	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.64 2.11	3.50
22 07 19 00-0348	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.84 2.12	3.50
22 07 19 00-0349	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.05 2.13	3.56
22 07 19 00-0350	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.36 2.17	3.61
22 07 19 00-0351	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.62 2.18	3.61
22 07 19 00-0352	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.80 2.20	3.67
22 07 19 00-0353	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.09 2.22	3.67
22 07 19 00-0354	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.68 2.24	3.72
22 07 19 00-0355	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.37 2.27	3.78
22 07 19 00-0356	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.15 2.28	3.80

**22 07 19 00-0357 1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0338)**

22 07 19 00-0358	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.07 2.06	3.45
22 07 19 00-0359	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.18 2.08	3.45
22 07 19 00-0360	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.32 2.10	3.50
22 07 19 00-0361	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.51 2.11	3.50
22 07 19 00-0362	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.66 2.12	3.50
22 07 19 00-0363	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.03 2.17	3.61
22 07 19 00-0364	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.37 2.20	3.67
22 07 19 00-0365	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.69 2.24	3.72
22 07 19 00-0366	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.01 2.25	3.76
22 07 19 00-0367	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.27 2.27	3.78
22 07 19 00-0368	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.27 2.30	3.84
22 07 19 00-0369	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.86 2.33	3.89
22 07 19 00-0370	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.32 2.35	3.92
22 07 19 00-0371	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.69 2.37	3.94

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 07 19 00-0372	LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.97 2.38	3.98
22 07 19 00-0373	LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.20 2.40	4.00
22 07 19 00-0374	LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.35 2.43	4.05
22 07 19 00-0375	LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.61 2.45	4.08
22 07 19 00-0376	LF 5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.73 2.46	4.11
22 07 19 00-0377	LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	17.04 2.53	4.22
22 07 19 00-0378	LF 8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	18.52 2.60	4.33
<b>22 07 19 00-0379</b>	<b>3/4" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0338)</b>		
22 07 19 00-0380	LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.35 2.24	3.72
22 07 19 00-0381	LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.62 2.27	3.78
22 07 19 00-0382	LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.02 2.33	3.89
22 07 19 00-0383	LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.28 2.35	3.92
22 07 19 00-0384	LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.38 2.37	3.94
22 07 19 00-0385	LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.98 2.43	4.05
22 07 19 00-0386	LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.47 2.46	4.11
22 07 19 00-0387	LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.96 2.50	4.17
22 07 19 00-0388	LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.09 2.50	4.17
22 07 19 00-0389	LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.28 2.52	4.20
22 07 19 00-0390	LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.87 2.54	4.22
22 07 19 00-0391	LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.17 2.57	4.27
22 07 19 00-0392	LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.84 2.58	4.30
22 07 19 00-0393	LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.31 2.60	4.33
22 07 19 00-0394	LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.02 2.62	4.36
22 07 19 00-0395	LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.29 2.63	4.39
22 07 19 00-0396	LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	16.35 2.67	4.44
22 07 19 00-0397	LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	17.20 2.68	4.47
22 07 19 00-0398	LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	18.63 2.70	4.49
22 07 19 00-0399	LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	20.14 2.73	4.55
22 07 19 00-0400	LF 8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	21.96 2.80	4.66
<b>22 07 19 00-0401</b>	<b>1" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0338)</b>		
22 07 19 00-0402	LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.00 2.46	4.10
22 07 19 00-0403	LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.34 2.50	4.17
22 07 19 00-0404	LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.77 2.57	4.27
22 07 19 00-0405	LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.14 2.58	4.30
22 07 19 00-0406	LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.48 2.60	4.33
22 07 19 00-0407	LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.04 2.67	4.44
22 07 19 00-0408	LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.92 2.73	4.55
22 07 19 00-0409	LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.36 2.76	4.55
22 07 19 00-0410	LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.96 2.78	4.61
22 07 19 00-0411	LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.19 2.80	4.66
22 07 19 00-0412	LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	16.50 2.83	4.73
22 07 19 00-0413	LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	17.52 2.87	4.78
22 07 19 00-0414	LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	18.82 2.88	4.82

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 07 19 00-0415	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	19.19 2.90	4.84
	22 07 19 00-0416	LF		3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	19.87 2.91	4.87
	22 07 19 00-0417	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.21 2.93	4.89
	22 07 19 00-0418	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	22.69 3.00	5.00
	22 07 19 00-0419	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	24.36 3.03	5.06
	22 07 19 00-0420	LF		5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	26.85 3.07	5.11
	22 07 19 00-0421	LF		6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	29.48 3.13	5.22
<b>22 07 19 00-0422</b>	<b>1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0338)</b>					
	22 07 19 00-0423	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	17.11 2.76	4.60
	22 07 19 00-0424	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	17.55 2.82	4.70
	22 07 19 00-0425	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	17.93 2.84	4.73
	22 07 19 00-0426	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	18.31 2.85	4.77
	22 07 19 00-0427	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.84 2.92	4.88
	22 07 19 00-0428	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	19.69 3.03	5.06
	22 07 19 00-0429	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.92 3.06	4.98
	22 07 19 00-0430	LF		1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	21.97 3.09	5.10
	22 07 19 00-0431	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.63 3.13	5.22
	22 07 19 00-0432	LF		2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	24.67 3.17	5.29
	22 07 19 00-0433	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	26.61 3.20	5.35
	22 07 19 00-0434	LF		2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	27.52 3.22	5.37
	22 07 19 00-0435	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	28.42 3.23	5.38
	22 07 19 00-0436	LF		3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	29.49 3.25	5.41
	22 07 19 00-0437	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	30.16 3.26	5.43
	22 07 19 00-0438	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	33.78 3.37	5.63
	22 07 19 00-0439	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	35.71 3.43	5.72
	22 07 19 00-0440	LF		5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	40.42 3.48	5.80
	22 07 19 00-0441	LF		6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	45.10 3.59	5.98
<b>22 07 19 00-0442</b>	<b>2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0338)</b>					
	22 07 19 00-0443	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	25.07 3.05	5.08
	22 07 19 00-0444	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	26.07 3.11	5.15
	22 07 19 00-0445	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	27.83 3.12	5.19
	22 07 19 00-0446	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	28.43 3.13	5.23
	22 07 19 00-0447	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	29.90 3.20	5.34
	22 07 19 00-0448	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	31.69 3.35	5.59
	22 07 19 00-0449	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	32.77 3.38	5.46
	22 07 19 00-0450	LF		1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	34.68 3.44	5.64
	22 07 19 00-0451	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	36.51 3.51	5.83
	22 07 19 00-0452	LF		2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	37.73 3.54	5.91
	22 07 19 00-0453	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	40.26 3.57	5.98
	22 07 19 00-0454	LF		2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	40.56 3.59	5.99
	22 07 19 00-0455	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	42.93 3.61	6.00
	22 07 19 00-0456	LF		3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	44.58 3.62	6.03
	22 07 19 00-0457	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	46.33 3.63	6.06

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0458	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	52.13	6.35
			<i>For Work In Restricted Working Space, Add</i>	3.79	
22 07 19 00-0459	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	55.50	6.47
			<i>For Work In Restricted Working Space, Add</i>	3.88	
22 07 19 00-0460	LF		5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	56.50	6.60
			<i>For Work In Restricted Working Space, Add</i>	3.96	
22 07 19 00-0461	LF		6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	63.50	6.86
			<i>For Work In Restricted Working Space, Add</i>	4.11	
<b>22 07 19 00-0462</b>			<b>Flexible Polyolefin Tubing Closed Cell Foam Insulation</b> <small>(22 07 19)</small>		
			Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
<b>22 07 19 00-0463</b>			<b>3/8" Wall Flexible Polyolefin Tubing Foam Insulation</b> <small>(22 07 19 00-0462)</small>		
22 07 19 00-0464	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	6.83	3.16
			<i>For Work In Restricted Working Space, Add</i>	1.90	
22 07 19 00-0465	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	6.91	3.16
			<i>For Work In Restricted Working Space, Add</i>	1.91	
22 07 19 00-0466	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	7.16	3.27
			<i>For Work In Restricted Working Space, Add</i>	1.97	
22 07 19 00-0467	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	7.47	3.39
			<i>For Work In Restricted Working Space, Add</i>	2.03	
22 07 19 00-0468	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	7.66	3.45
			<i>For Work In Restricted Working Space, Add</i>	2.06	
22 07 19 00-0469	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.01	3.50
			<i>For Work In Restricted Working Space, Add</i>	2.10	
22 07 19 00-0470	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.26	3.50
			<i>For Work In Restricted Working Space, Add</i>	2.11	
22 07 19 00-0471	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	8.45	3.61
			<i>For Work In Restricted Working Space, Add</i>	2.12	
22 07 19 00-0472	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.28	3.61
			<i>For Work In Restricted Working Space, Add</i>	2.18	
22 07 19 00-0473	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	10.03	3.67
			<i>For Work In Restricted Working Space, Add</i>	2.22	
22 07 19 00-0474	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	11.91	3.78
			<i>For Work In Restricted Working Space, Add</i>	2.27	
<b>22 07 19 00-0475</b>			<b>1/2" Wall Flexible Polyolefin Tubing Foam Insulation</b> <small>(22 07 19 00-0462)</small>		
22 07 19 00-0476	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	7.64	3.45
			<i>For Work In Restricted Working Space, Add</i>	2.06	
22 07 19 00-0477	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	7.71	3.45
			<i>For Work In Restricted Working Space, Add</i>	2.08	
22 07 19 00-0478	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	7.87	3.50
			<i>For Work In Restricted Working Space, Add</i>	2.10	
22 07 19 00-0479	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	8.08	3.50
			<i>For Work In Restricted Working Space, Add</i>	2.12	
22 07 19 00-0480	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	8.34	3.61
			<i>For Work In Restricted Working Space, Add</i>	2.17	
22 07 19 00-0481	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.71	3.67
			<i>For Work In Restricted Working Space, Add</i>	2.20	
22 07 19 00-0482	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.13	3.72
			<i>For Work In Restricted Working Space, Add</i>	2.24	
22 07 19 00-0483	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	9.52	3.78
			<i>For Work In Restricted Working Space, Add</i>	2.27	
22 07 19 00-0484	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.41	3.89
			<i>For Work In Restricted Working Space, Add</i>	2.33	
22 07 19 00-0485	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	11.20	3.94
			<i>For Work In Restricted Working Space, Add</i>	2.37	
22 07 19 00-0486	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	12.69	4.05
			<i>For Work In Restricted Working Space, Add</i>	2.43	
<b>22 07 19 00-0487</b>			<b>3/4" Wall Flexible Polyolefin Tubing Foam Insulation</b> <small>(22 07 19 00-0462)</small>		
22 07 19 00-0488	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	8.59	3.72
			<i>For Work In Restricted Working Space, Add</i>	2.24	
22 07 19 00-0489	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	8.87	3.78
			<i>For Work In Restricted Working Space, Add</i>	2.27	
22 07 19 00-0490	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	9.22	3.89
			<i>For Work In Restricted Working Space, Add</i>	2.33	
22 07 19 00-0491	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	9.77	3.94
			<i>For Work In Restricted Working Space, Add</i>	2.37	
22 07 19 00-0492	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	10.28	4.05
			<i>For Work In Restricted Working Space, Add</i>	2.43	
22 07 19 00-0493	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	11.14	4.11
			<i>For Work In Restricted Working Space, Add</i>	2.46	
22 07 19 00-0494	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	11.71	4.11
			<i>For Work In Restricted Working Space, Add</i>	2.48	
22 07 19 00-0495	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	12.35	4.17
			<i>For Work In Restricted Working Space, Add</i>	2.50	
22 07 19 00-0496	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	13.60	4.27
			<i>For Work In Restricted Working Space, Add</i>	2.57	
22 07 19 00-0497	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	14.74	4.33
			<i>For Work In Restricted Working Space, Add</i>	2.60	
22 07 19 00-0498	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	16.91	4.44
			<i>For Work In Restricted Working Space, Add</i>	2.67	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 07 19 00-0499</b>	<b>1" Wall Flexible Polyolefin Tubing Foam Insulation</b> <small>(22 07 19 00-0462)</small>		
22 07 19 00-0500	LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	10.20 2.46	4.11
22 07 19 00-0501	LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	10.36 2.50	4.17
22 07 19 00-0502	LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	10.72 2.57	4.27
22 07 19 00-0503	LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	11.50 2.60	4.33
22 07 19 00-0504	LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	12.15 2.67	4.44
22 07 19 00-0505	LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	12.82 2.73	4.55
22 07 19 00-0506	LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	13.46 2.76	4.55
22 07 19 00-0507	LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.90 2.80	4.66
22 07 19 00-0508	LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	16.81 2.87	4.78
22 07 19 00-0509	LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.18 2.90	4.84

<b>22 07 19 00-0510</b>	<b>Flexible Elastomeric Unicellular Insulation</b> <small>(22 07 19)</small>		
	Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0511	LF 1/2" Pipe, (5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover ..... <i>For 3/8" Thick Covering, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	7.71 -0.67 2.10 1.23 2.36	3.50
22 07 19 00-0512	LF 3/4" Pipe, (7/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover ..... <i>For 3/8" Thick Covering, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	7.88 -0.70 2.12 1.33 2.53	3.50
22 07 19 00-0513	LF 1" Pipe, (1-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover ..... <i>For 3/8" Thick Covering, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	8.12 -0.73 2.17 1.40 2.66	3.61
22 07 19 00-0514	LF 1-1/4" Pipe, (1-3/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover ..... <i>For 3/8" Thick Covering, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	8.45 -0.79 2.20 1.58 2.99	3.67
22 07 19 00-0515	LF 1-1/2" Pipe, (1-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover ..... <i>For 3/8" Thick Covering, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	8.79 -0.86 2.24 1.75 3.30	3.72
22 07 19 00-0516	LF 2" Pipe, (2-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover ..... <i>For 3/8" Thick Covering, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	9.13 -0.92 2.27 1.94 3.64	3.78
22 07 19 00-0517	LF 2-1/2" Pipe, (2-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover ..... <i>For 3/8" Thick Covering, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	9.91 -1.08 2.33 2.38 4.44	3.89
22 07 19 00-0518	LF 3" Pipe, (3-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover ..... <i>For 3/8" Thick Covering, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	10.55 -1.22 2.37 2.78 5.17	3.94
22 07 19 00-0519	LF 3-1/2" Pipe, (3-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover ..... <i>For 3/8" Thick Covering, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	11.17 -1.35 2.40 3.18 5.89	4.00
22 07 19 00-0520	LF 4" Pipe, (4-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover ..... <i>For 3/8" Thick Covering, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	11.81 -1.49 2.43 3.59 6.62	4.05

<b>22 07 19 00-0521</b>	<b>Insulation Protective Jacketing</b> <small>(22 07 19)</small>		
	Note: Jacketing only and to be added to insulation prices when required.		
<b>22 07 19 00-0522</b>	<b>Aluminum Insulation Protective Jacketing With Bands</b> <small>(22 07 19 00-0521)</small>		
<b>22 07 19 00-0523</b>	<b>Aluminum Roll, Insulation Protective Jacketing With Bands</b> <small>(22 07 19 00-0522)</small>		
22 07 19 00-0524	SF 0.006" Aluminum Insulation Jacket With Bands .....	15.80	6.77
22 07 19 00-0525	SF 0.010" Aluminum Insulation Jacket With Bands .....	16.04	6.77
22 07 19 00-0526	SF 0.016" Aluminum Insulation Jacket With Bands .....	16.26	6.77
22 07 19 00-0527	SF 0.020" Aluminum Insulation Jacket With Bands .....	16.47	6.77
22 07 19 00-0528	SF 0.024" Aluminum Insulation Jacket With Bands .....	16.66	6.77

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0529			<b>16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands</b> <small>(22 07 19 00-0522)</small>		
22 07 19 00-0530	LF		1/2" ID, 0.016" Aluminum Insulation Jacketing.....	8.05	1.92
			For Stucco Embossed, Add	0.00	
			For Corrugated, Add	0.01	
22 07 19 00-0531	LF		3/4" ID, 0.016" Aluminum Insulation Jacketing.....	8.34	1.96
			For Stucco Embossed, Add	0.00	
			For Corrugated, Add	0.01	
22 07 19 00-0532	LF		1" ID, 0.016" Aluminum Insulation Jacketing.....	8.64	2.02
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.01	
22 07 19 00-0533	LF		1-1/4" ID, 0.016" Aluminum Insulation Jacketing.....	8.94	2.07
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.02	
22 07 19 00-0534	LF		1-1/2" ID, 0.016" Aluminum Insulation Jacketing.....	9.16	2.10
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.02	
22 07 19 00-0535	LF		1-3/4" ID, 0.016" Aluminum Insulation Jacketing.....	9.40	2.13
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.02	
22 07 19 00-0536	LF		2" ID, 0.016" Aluminum Insulation Jacketing.....	9.68	2.17
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0537	LF		2-1/4" ID, 0.016" Aluminum Insulation Jacketing.....	9.98	2.22
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0538	LF		2-1/2" ID, 0.016" Aluminum Insulation Jacketing.....	10.29	2.26
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0539	LF		2-3/4" ID, 0.016" Aluminum Insulation Jacketing.....	10.55	2.30
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0540	LF		3" ID, 0.016" Aluminum Insulation Jacketing.....	10.87	2.35
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.04	
22 07 19 00-0541	LF		3-1/4" ID, 0.016" Aluminum Insulation Jacketing.....	11.18	2.41
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.04	
22 07 19 00-0542	LF		3-1/2" ID, 0.016" Aluminum Insulation Jacketing.....	11.51	2.46
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.04	
22 07 19 00-0543	LF		3-3/4" ID, 0.016" Aluminum Insulation Jacketing.....	11.81	2.50
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.04	
22 07 19 00-0544	LF		4" ID, 0.016" Aluminum Insulation Jacketing.....	12.16	2.56
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0545	LF		4-1/4" ID, 0.016" Aluminum Insulation Jacketing.....	12.52	2.63
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0546	LF		4-1/2" ID, 0.016" Aluminum Insulation Jacketing.....	12.91	2.69
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0547	LF		4-3/4" ID, 0.016" Aluminum Insulation Jacketing.....	13.21	2.75
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.06	
22 07 19 00-0548	LF		5" ID, 0.016" Aluminum Insulation Jacketing.....	13.61	2.82
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.06	
22 07 19 00-0549	LF		5-1/4" ID, 0.016" Aluminum Insulation Jacketing.....	14.04	2.90
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.06	
22 07 19 00-0550	LF		5-1/2" ID, 0.016" Aluminum Insulation Jacketing.....	14.39	2.96
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.06	
22 07 19 00-0551	LF		5-3/4" ID, 0.016" Aluminum Insulation Jacketing.....	14.85	3.04
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0552	LF		6" ID, 0.016" Aluminum Insulation Jacketing.....	15.32	3.13
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0553	LF		6-1/4" ID, 0.016" Aluminum Insulation Jacketing.....	15.62	3.18
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0554	LF		6-1/2" ID, 0.016" Aluminum Insulation Jacketing.....	15.92	3.22
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0555	LF		7" ID, 0.016" Aluminum Insulation Jacketing.....	16.42	3.30
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0556	LF		7-1/4" ID, 0.016" Aluminum Insulation Jacketing.....	16.84	3.39
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0557	LF		7-1/2" ID, 0.016" Aluminum Insulation Jacketing.....	17.17	3.44
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0558 LF 8" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.62 0.04 0.09	3.50
22 07 19 00-0559 LF 8-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.07 0.04 0.10	3.56
22 07 19 00-0560 LF 9" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.66 0.04 0.10	3.65
22 07 19 00-0561 LF 9-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.13 0.04 0.11	3.71
22 07 19 00-0562 LF 10" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.61 0.05 0.11	3.78
22 07 19 00-0563 LF 10-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.10 0.05 0.12	3.85
22 07 19 00-0564 LF 11" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.75 0.05 0.12	3.95
22 07 19 00-0565 LF 11-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.28 0.05 0.13	4.03
22 07 19 00-0566 LF 12" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.80 0.05 0.13	4.11
22 07 19 00-0567 LF 12-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.52 0.06 0.14	4.23
22 07 19 00-0568 LF 13" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.91 0.06 0.15	4.27
22 07 19 00-0569 LF 14" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.52 0.06 0.16	4.31
22 07 19 00-0570 LF 15" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.31 0.07 0.17	4.40
22 07 19 00-0571 LF 16" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.94 0.07 0.18	4.45
22 07 19 00-0572 LF 17" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.77 0.08 0.19	4.54
22 07 19 00-0573 LF 18" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.25 0.08 0.20	4.59
22 07 19 00-0574 LF 19" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.24 0.08 0.21	4.70
22 07 19 00-0575 LF 20" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.89 0.09 0.22	4.76
22 07 19 00-0576 LF 21" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.77 0.09 0.23	4.87
22 07 19 00-0577 LF 22" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.43 0.10 0.24	4.92
22 07 19 00-0578 LF 23" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.33 0.10 0.25	5.04
22 07 19 00-0579 LF 24" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.00 0.11 0.27	5.10
 <b>22 07 19 00-0580 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0522)</b>		
22 07 19 00-0581 LF 1/2" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.92 0.00 0.01	2.12
22 07 19 00-0582 LF 3/4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.25 0.01 0.02	2.17
22 07 19 00-0583 LF 1" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.61 0.01 0.02	2.22
22 07 19 00-0584 LF 1-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.95 0.01 0.02	2.27
22 07 19 00-0585 LF 1-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.22 0.01 0.03	2.31
22 07 19 00-0586 LF 1-3/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.50 0.01 0.03	2.34

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0587	LF		2" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.82 0.01 0.03	2.39
22 07 19 00-0588	LF		2-1/4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.16 0.01 0.04	2.44
22 07 19 00-0589	LF		2-1/2" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.52 0.02 0.04	2.49
22 07 19 00-0590	LF		2-3/4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.83 0.02 0.04	2.53
22 07 19 00-0591	LF		3" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.20 0.02 0.05	2.59
22 07 19 00-0592	LF		3-1/4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.57 0.02 0.05	2.64
22 07 19 00-0593	LF		3-1/2" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.96 0.02 0.05	2.70
22 07 19 00-0594	LF		3-3/4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.28 0.02 0.06	2.75
22 07 19 00-0595	LF		4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.68 0.02 0.06	2.82
22 07 19 00-0596	LF		4-1/4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.11 0.03 0.06	2.89
22 07 19 00-0597	LF		4-1/2" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.55 0.03 0.07	2.96
22 07 19 00-0598	LF		4-3/4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.92 0.03 0.07	3.02
22 07 19 00-0599	LF		5" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.37 0.03 0.07	3.10
22 07 19 00-0600	LF		5-1/4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.86 0.03 0.08	3.18
22 07 19 00-0601	LF		5-1/2" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.27 0.03 0.08	3.25
22 07 19 00-0602	LF		5-3/4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.79 0.03 0.09	3.35
22 07 19 00-0603	LF		6" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.32 0.04 0.09	3.45
22 07 19 00-0604	LF		6-1/4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.67 0.04 0.09	3.50
22 07 19 00-0605	LF		6-1/2" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.02 0.04 0.10	3.56
22 07 19 00-0606	LF		7" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.61 0.04 0.10	3.64
22 07 19 00-0607	LF		7-1/4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.10 0.04 0.11	3.72
22 07 19 00-0608	LF		7-1/2" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.47 0.04 0.11	3.78
22 07 19 00-0609	LF		8" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.02 0.05 0.12	3.85
22 07 19 00-0610	LF		8-1/2" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.53 0.05 0.12	3.91
22 07 19 00-0611	LF		9" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.20 0.05 0.13	4.01
22 07 19 00-0612	LF		9-1/2" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.77 0.05 0.14	4.08
22 07 19 00-0613	LF		10" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.34 0.06 0.14	4.15
22 07 19 00-0614	LF		10-1/2" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.92 0.06 0.15	4.23
22 07 19 00-0615	LF		11" ID, 0.0106 Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.66 0.06 0.16	4.35
22 07 19 00-0616	LF		11-1/2" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.28 0.07 0.16	4.43

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0617	LF		12" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.91 0.07 0.17	4.51
22 07 19 00-0618	LF		12-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.72 0.07 0.18	4.65
22 07 19 00-0619	LF		13" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.19 0.07 0.18	4.70
22 07 19 00-0620	LF		14" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.94 0.08 0.20	4.75
22 07 19 00-0621	LF		15" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.89 0.09 0.21	4.85
22 07 19 00-0622	LF		16" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.65 0.09 0.23	4.90
22 07 19 00-0623	LF		17" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.62 0.10 0.24	5.01
22 07 19 00-0624	LF		18" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.21 0.10 0.25	5.06
22 07 19 00-0625	LF		19" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.39 0.11 0.27	5.17
22 07 19 00-0626	LF		20" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.19 0.11 0.28	5.23
22 07 19 00-0627	LF		21" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.22 0.12 0.30	5.35
22 07 19 00-0628	LF		22" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.02 0.12 0.31	5.41
22 07 19 00-0629	LF		23" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.10 0.13 0.32	5.54
22 07 19 00-0630	LF		24" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.91 0.13 0.34	5.60
<b>22 07 19 00-0631</b>			<b>24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands</b> <small>(22 07 19 00-0522)</small>		
22 07 19 00-0632	LF		1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.78 0.01 0.01	2.31
22 07 19 00-0633	LF		3/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.16 0.01 0.02	2.36
22 07 19 00-0634	LF		1" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.55 0.01 0.02	2.42
22 07 19 00-0635	LF		1-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.94 0.01 0.03	2.48
22 07 19 00-0636	LF		1-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.27 0.01 0.03	2.51
22 07 19 00-0637	LF		1-3/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.58 0.01 0.03	2.55
22 07 19 00-0638	LF		2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.94 0.02 0.04	2.60
22 07 19 00-0639	LF		2-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.33 0.02 0.04	2.66
22 07 19 00-0640	LF		2-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.74 0.02 0.05	2.71
22 07 19 00-0641	LF		2-3/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.08 0.02 0.05	2.76
22 07 19 00-0642	LF		3" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.50 0.02 0.06	2.82
22 07 19 00-0643	LF		3-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.93 0.02 0.06	2.88
22 07 19 00-0644	LF		3-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.36 0.03 0.06	2.95
22 07 19 00-0645	LF		3-3/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.73 0.03 0.07	3.00

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0646	LF		4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.18 0.03 0.07	3.07
22 07 19 00-0647	LF		4-1/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.66 0.03 0.08	3.15
22 07 19 00-0648	LF		4-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.16 0.03 0.08	3.23
22 07 19 00-0649	LF		4-3/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.58 0.03 0.09	3.29
22 07 19 00-0650	LF		5" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.09 0.04 0.09	3.39
22 07 19 00-0651	LF		5-1/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.62 0.04 0.09	3.48
22 07 19 00-0652	LF		5-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.09 0.04 0.10	3.55
22 07 19 00-0653	LF		5-3/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.68 0.04 0.10	3.65
22 07 19 00-0654	LF		6" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.28 0.04 0.11	3.76
22 07 19 00-0655	LF		6-1/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.66 0.04 0.11	3.82
22 07 19 00-0656	LF		6-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.06 0.05 0.11	3.88
22 07 19 00-0657	LF		7" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.73 0.05 0.12	3.97
22 07 19 00-0658	LF		7-1/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.27 0.05 0.13	4.06
22 07 19 00-0659	LF		7-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.70 0.05 0.13	4.13
22 07 19 00-0660	LF		8" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.32 0.06 0.14	4.20
22 07 19 00-0661	LF		8-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.91 0.06 0.15	4.26
22 07 19 00-0662	LF		9" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.68 0.06 0.15	4.37
22 07 19 00-0663	LF		9-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.34 0.07 0.16	4.45
22 07 19 00-0664	LF		10" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.98 0.07 0.17	4.53
22 07 19 00-0665	LF		10-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.64 0.07 0.18	4.61
22 07 19 00-0666	LF		11" ID, 0.0106 Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.48 0.08 0.19	4.75
22 07 19 00-0667	LF		11-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.19 0.08 0.20	4.84
22 07 19 00-0668	LF		12" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.89 0.08 0.20	4.93
22 07 19 00-0669	LF		12-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.81 0.09 0.21	5.08
22 07 19 00-0670	LF		13" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.34 0.09 0.22	5.13
22 07 19 00-0671	LF		14" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.23 0.10 0.24	5.18
22 07 19 00-0672	LF		15" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.32 0.10 0.25	5.29
22 07 19 00-0673	LF		16" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.21 0.11 0.27	5.34
22 07 19 00-0674	LF		17" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.33 0.12 0.29	5.46
22 07 19 00-0675	LF		18" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.02 0.12 0.30	5.52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0676	LF		19" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.39 0.13 0.32	5.64
22 07 19 00-0677	LF		20" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	36.31 0.14 0.34	5.70
22 07 19 00-0678	LF		21" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.49 0.14 0.35	5.83
22 07 19 00-0679	LF		22" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	38.42 0.15 0.37	5.90
22 07 19 00-0680	LF		23" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	39.66 0.15 0.39	6.05
22 07 19 00-0681	LF		24" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	40.60 0.16 0.40	6.12
<b>22 07 19 00-0682</b>			<b>32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands</b> <small>(22 07 19 00-0522)</small>		
22 07 19 00-0683	LF		1/2" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.97 0.01 0.02	2.56
22 07 19 00-0684	LF		3/4" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.43 0.01 0.02	2.62
22 07 19 00-0685	LF		1" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.89 0.01 0.03	2.68
22 07 19 00-0686	LF		1-1/4" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.37 0.01 0.04	2.74
22 07 19 00-0687	LF		1-1/2" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.76 0.02 0.04	2.78
22 07 19 00-0688	LF		1-3/4" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.14 0.02 0.05	2.83
22 07 19 00-0689	LF		2" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.60 0.02 0.05	2.88
22 07 19 00-0690	LF		2-1/4" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.06 0.02 0.06	2.94
22 07 19 00-0691	LF		2-1/2" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.56 0.03 0.06	3.01
22 07 19 00-0692	LF		2-3/4" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.98 0.03 0.07	3.05
22 07 19 00-0693	LF		3" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.49 0.03 0.07	3.12
22 07 19 00-0694	LF		3-1/4" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.00 0.03 0.08	3.19
22 07 19 00-0695	LF		3-1/2" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.51 0.03 0.09	3.27
22 07 19 00-0696	LF		3-3/4" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.96 0.04 0.09	3.32
22 07 19 00-0697	LF		4" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.51 0.04 0.10	3.41
22 07 19 00-0698	LF		4-1/4" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.06 0.04 0.10	3.50
22 07 19 00-0699	LF		4-1/2" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.67 0.04 0.11	3.59
22 07 19 00-0700	LF		4-3/4" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.17 0.05 0.11	3.66
22 07 19 00-0701	LF		5" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.78 0.05 0.12	3.75
22 07 19 00-0702	LF		5-1/4" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.42 0.05 0.13	3.85
22 07 19 00-0703	LF		5-1/2" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.96 0.05 0.13	3.93
22 07 19 00-0704	LF		5-3/4" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.65 0.05 0.14	4.05

**22 Plumbing**

**22 07 Plumbing Insulation**

**22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0705	LF		6" ID, 0.032" Aluminum Insulation Jacketing.....	22.34	4.17
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0706	LF		6-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	22.82	4.23
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0707	LF		6-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	23.30	4.29
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0708	LF		7" ID, 0.032" Aluminum Insulation Jacketing.....	24.12	4.39
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0709	LF		7-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	24.76	4.50
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0710	LF		7-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	25.28	4.57
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0711	LF		8" ID, 0.032" Aluminum Insulation Jacketing.....	26.02	4.65
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.19	
22 07 19 00-0712	LF		8-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	26.76	4.73
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.20	
22 07 19 00-0713	LF		9" ID, 0.032" Aluminum Insulation Jacketing.....	27.69	4.85
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.21	
22 07 19 00-0714	LF		9-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	28.50	4.94
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.22	
22 07 19 00-0715	LF		10" ID, 0.032" Aluminum Insulation Jacketing.....	29.29	5.03
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.23	
22 07 19 00-0716	LF		10-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	30.09	5.12
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.24	
22 07 19 00-0717	LF		11" ID, 0.0106 Aluminum Insulation Jacketing.....	31.11	5.26
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.25	
22 07 19 00-0718	LF		11-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	31.97	5.36
			<i>For Stucco Embossed, Add</i>	0.11	
			<i>For Corrugated, Add</i>	0.26	
22 07 19 00-0719	LF		12" ID, 0.032" Aluminum Insulation Jacketing.....	32.82	5.46
			<i>For Stucco Embossed, Add</i>	0.11	
			<i>For Corrugated, Add</i>	0.27	
22 07 19 00-0720	LF		12-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	33.92	5.62
			<i>For Stucco Embossed, Add</i>	0.11	
			<i>For Corrugated, Add</i>	0.29	
22 07 19 00-0721	LF		13" ID, 0.032" Aluminum Insulation Jacketing.....	34.59	5.68
			<i>For Stucco Embossed, Add</i>	0.12	
			<i>For Corrugated, Add</i>	0.30	
22 07 19 00-0722	LF		14" ID, 0.032" Aluminum Insulation Jacketing.....	35.73	5.74
			<i>For Stucco Embossed, Add</i>	0.13	
			<i>For Corrugated, Add</i>	0.32	
22 07 19 00-0723	LF		15" ID, 0.032" Aluminum Insulation Jacketing.....	37.09	5.86
			<i>For Stucco Embossed, Add</i>	0.14	
			<i>For Corrugated, Add</i>	0.34	
22 07 19 00-0724	LF		16" ID, 0.032" Aluminum Insulation Jacketing.....	38.24	5.92
			<i>For Stucco Embossed, Add</i>	0.15	
			<i>For Corrugated, Add</i>	0.36	
22 07 19 00-0725	LF		17" ID, 0.032" Aluminum Insulation Jacketing.....	39.62	6.05
			<i>For Stucco Embossed, Add</i>	0.15	
			<i>For Corrugated, Add</i>	0.39	
22 07 19 00-0726	LF		18" ID, 0.032" Aluminum Insulation Jacketing.....	40.49	6.12
			<i>For Stucco Embossed, Add</i>	0.16	
			<i>For Corrugated, Add</i>	0.40	
22 07 19 00-0727	LF		19" ID, 0.032" Aluminum Insulation Jacketing.....	42.22	6.25
			<i>For Stucco Embossed, Add</i>	0.17	
			<i>For Corrugated, Add</i>	0.43	
22 07 19 00-0728	LF		20" ID, 0.032" Aluminum Insulation Jacketing.....	43.40	6.32
			<i>For Stucco Embossed, Add</i>	0.18	
			<i>For Corrugated, Add</i>	0.45	
22 07 19 00-0729	LF		21" ID, 0.032" Aluminum Insulation Jacketing.....	44.86	6.47
			<i>For Stucco Embossed, Add</i>	0.19	
			<i>For Corrugated, Add</i>	0.48	
22 07 19 00-0730	LF		22" ID, 0.032" Aluminum Insulation Jacketing.....	46.05	6.54
			<i>For Stucco Embossed, Add</i>	0.20	
			<i>For Corrugated, Add</i>	0.50	
22 07 19 00-0731	LF		23" ID, 0.032" Aluminum Insulation Jacketing.....	47.58	6.70
			<i>For Stucco Embossed, Add</i>	0.21	
			<i>For Corrugated, Add</i>	0.52	
22 07 19 00-0732	LF		24" ID, 0.032" Aluminum Insulation Jacketing.....	48.78	6.78
			<i>For Stucco Embossed, Add</i>	0.22	
			<i>For Corrugated, Add</i>	0.54	

22 07 19 00-0733 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0522)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
22 07 19 00-0734	LF		1/2" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.70 0.01 0.02	2.94
22 07 19 00-0735	LF		3/4" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.25 0.01 0.03	3.01
22 07 19 00-0736	LF		1" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.80 0.01 0.04	3.08
22 07 19 00-0737	LF		1-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.38 0.02 0.04	3.15
22 07 19 00-0738	LF		1-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.85 0.02 0.05	3.20
22 07 19 00-0739	LF		1-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.32 0.02 0.06	3.25
22 07 19 00-0740	LF		2" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.85 0.03 0.06	3.31
22 07 19 00-0741	LF		2-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.41 0.03 0.07	3.39
22 07 19 00-0742	LF		2-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.01 0.03 0.08	3.46
22 07 19 00-0743	LF		2-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.52 0.03 0.09	3.52
22 07 19 00-0744	LF		3" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.14 0.04 0.09	3.60
22 07 19 00-0745	LF		3-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.74 0.04 0.10	3.68
22 07 19 00-0746	LF		3-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.36 0.04 0.11	3.76
22 07 19 00-0747	LF		3-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.89 0.05 0.11	3.83
22 07 19 00-0748	LF		4" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.55 0.05 0.12	3.92
22 07 19 00-0749	LF		4-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.21 0.05 0.13	4.02
22 07 19 00-0750	LF		4-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.92 0.05 0.14	4.12
22 07 19 00-0751	LF		4-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.53 0.06 0.14	4.20
22 07 19 00-0752	LF		5" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.26 0.06 0.15	4.31
22 07 19 00-0753	LF		5-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.00 0.06 0.16	4.43
22 07 19 00-0754	LF		5-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.66 0.07 0.16	4.52
22 07 19 00-0755	LF		5-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.48 0.07 0.17	4.65
22 07 19 00-0756	LF		6" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.30 0.07 0.18	4.80
22 07 19 00-0757	LF		6-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.88 0.07 0.19	4.87
22 07 19 00-0758	LF		6-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.44 0.08 0.19	4.94
22 07 19 00-0759	LF		7" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.42 0.08 0.21	5.06
22 07 19 00-0760	LF		7-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.19 0.08 0.21	5.18
22 07 19 00-0761	LF		7-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.80 0.09 0.22	5.26
22 07 19 00-0762	LF		8" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.71 0.09 0.23	5.35
22 07 19 00-0763	LF		8-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.61 0.10 0.25	5.44

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 07 19 00-0764	LF	9" ID, 0.040" Aluminum Insulation Jacketing	32.73	5.58
		<i>For Stucco Embossed, Add</i>	0.10	
		<i>For Corrugated, Add</i>	0.26	
22 07 19 00-0765	LF	9-1/2" ID, 0.040" Aluminum Insulation Jacketing	33.70	5.67
		<i>For Stucco Embossed, Add</i>	0.11	
		<i>For Corrugated, Add</i>	0.27	
22 07 19 00-0766	LF	10" ID, 0.040" Aluminum Insulation Jacketing	34.65	5.77
		<i>For Stucco Embossed, Add</i>	0.12	
		<i>For Corrugated, Add</i>	0.29	
22 07 19 00-0767	LF	10-1/2" ID, 0.040" Aluminum Insulation Jacketing	35.64	5.88
		<i>For Stucco Embossed, Add</i>	0.12	
		<i>For Corrugated, Add</i>	0.30	
22 07 19 00-0768	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	36.84	6.05
		<i>For Stucco Embossed, Add</i>	0.13	
		<i>For Corrugated, Add</i>	0.32	
22 07 19 00-0769	LF	11-1/2" ID, 0.040" Aluminum Insulation Jacketing	37.88	6.17
		<i>For Stucco Embossed, Add</i>	0.13	
		<i>For Corrugated, Add</i>	0.33	
22 07 19 00-0770	LF	12" ID, 0.040" Aluminum Insulation Jacketing	38.91	6.29
		<i>For Stucco Embossed, Add</i>	0.14	
		<i>For Corrugated, Add</i>	0.34	
22 07 19 00-0771	LF	12-1/2" ID, 0.040" Aluminum Insulation Jacketing	40.22	6.47
		<i>For Stucco Embossed, Add</i>	0.14	
		<i>For Corrugated, Add</i>	0.36	
22 07 19 00-0772	LF	13" ID, 0.040" Aluminum Insulation Jacketing	41.04	6.54
		<i>For Stucco Embossed, Add</i>	0.15	
		<i>For Corrugated, Add</i>	0.37	
22 07 19 00-0773	LF	14" ID, 0.040" Aluminum Insulation Jacketing	42.44	6.60
		<i>For Stucco Embossed, Add</i>	0.16	
		<i>For Corrugated, Add</i>	0.40	
22 07 19 00-0774	LF	15" ID, 0.040" Aluminum Insulation Jacketing	44.09	6.74
		<i>For Stucco Embossed, Add</i>	0.17	
		<i>For Corrugated, Add</i>	0.43	
22 07 19 00-0775	LF	16" ID, 0.040" Aluminum Insulation Jacketing	45.50	6.81
		<i>For Stucco Embossed, Add</i>	0.18	
		<i>For Corrugated, Add</i>	0.46	
22 07 19 00-0776	LF	17" ID, 0.040" Aluminum Insulation Jacketing	47.20	6.96
		<i>For Stucco Embossed, Add</i>	0.19	
		<i>For Corrugated, Add</i>	0.48	
22 07 19 00-0777	LF	18" ID, 0.040" Aluminum Insulation Jacketing	48.25	7.03
		<i>For Stucco Embossed, Add</i>	0.20	
		<i>For Corrugated, Add</i>	0.50	
22 07 19 00-0778	LF	19" ID, 0.040" Aluminum Insulation Jacketing	50.38	7.19
		<i>For Stucco Embossed, Add</i>	0.22	
		<i>For Corrugated, Add</i>	0.54	
22 07 19 00-0779	LF	20" ID, 0.040" Aluminum Insulation Jacketing	51.83	7.27
		<i>For Stucco Embossed, Add</i>	0.23	
		<i>For Corrugated, Add</i>	0.57	
22 07 19 00-0780	LF	21" ID, 0.040" Aluminum Insulation Jacketing	53.60	7.44
		<i>For Stucco Embossed, Add</i>	0.24	
		<i>For Corrugated, Add</i>	0.60	
22 07 19 00-0781	LF	22" ID, 0.040" Aluminum Insulation Jacketing	55.05	7.53
		<i>For Stucco Embossed, Add</i>	0.25	
		<i>For Corrugated, Add</i>	0.62	
22 07 19 00-0782	LF	23" ID, 0.040" Aluminum Insulation Jacketing	56.91	7.71
		<i>For Stucco Embossed, Add</i>	0.26	
		<i>For Corrugated, Add</i>	0.65	
22 07 19 00-0783	LF	24" ID, 0.040" Aluminum Insulation Jacketing	58.37	7.80
		<i>For Stucco Embossed, Add</i>	0.27	
		<i>For Corrugated, Add</i>	0.68	

**22 07 19 00-0784 Aluminum Insulation Protective Jacketing For Fittings (22 07 19 00-0522)**

22 07 19 00-0785	EA	1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	17.55	3.02
22 07 19 00-0786	EA	1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	18.00	3.13
22 07 19 00-0787	EA	2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	19.90	3.25
22 07 19 00-0788	EA	2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	20.10	3.30
22 07 19 00-0789	EA	2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	20.31	3.36
22 07 19 00-0790	EA	2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	20.63	3.44
22 07 19 00-0791	EA	3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	21.56	3.53
22 07 19 00-0792	EA	3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	21.92	3.62
22 07 19 00-0793	EA	3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	23.53	3.68
22 07 19 00-0794	EA	3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	24.02	3.75
22 07 19 00-0795	EA	4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	24.84	3.85
22 07 19 00-0796	EA	4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	25.40	3.92
22 07 19 00-0797	EA	4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	25.69	3.99
22 07 19 00-0798	EA	4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	26.00	4.07
22 07 19 00-0799	EA	5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	27.55	4.15
22 07 19 00-0800	EA	5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	29.57	4.23
22 07 19 00-0801	EA	5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	33.20	4.36
22 07 19 00-0802	EA	5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	33.57	4.45
22 07 19 00-0803	EA	6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	31.84	4.59
22 07 19 00-0804	EA	6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	32.25	4.70
22 07 19 00-0805	EA	6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	35.64	4.87
22 07 19 00-0806	EA	7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	39.56	4.98
22 07 19 00-0807	EA	7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	39.79	5.04
22 07 19 00-0808	EA	7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	49.28	5.10
22 07 19 00-0809	EA	8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	42.18	5.16



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0810	EA		8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	60.97	5.29
22 07 19 00-0811	EA		9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	61.51	5.42
22 07 19 00-0812	EA		9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	51.26	5.49
22 07 19 00-0813	EA		10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	51.55	5.56
22 07 19 00-0814	EA		10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	52.48	5.64
22 07 19 00-0815	EA		11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	52.78	5.71
22 07 19 00-0816	EA		11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	57.52	5.87
22 07 19 00-0817	EA		12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	57.85	5.95
22 07 19 00-0818	EA		12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	85.07	6.13
22 07 19 00-0819	EA		13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	85.43	6.22
22 07 19 00-0820	EA		14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	106.83	6.41
22 07 19 00-0821	EA		15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	111.33	6.61
22 07 19 00-0822	EA		16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	119.45	6.71
22 07 19 00-0823	EA		2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	19.11	3.36
22 07 19 00-0824	EA		2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	19.43	3.44
22 07 19 00-0825	EA		3" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	20.52	3.53
22 07 19 00-0826	EA		3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	20.88	3.62
22 07 19 00-0827	EA		3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing.....	22.03	3.68
22 07 19 00-0828	EA		3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	22.29	3.75
22 07 19 00-0829	EA		4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	22.82	3.85
22 07 19 00-0830	EA		4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	24.16	3.92
22 07 19 00-0831	EA		4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	24.45	3.99
22 07 19 00-0832	EA		4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	24.76	4.07
22 07 19 00-0833	EA		5" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	26.55	4.15
22 07 19 00-0834	EA		5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	26.89	4.23
22 07 19 00-0835	EA		5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	27.90	4.36
22 07 19 00-0836	EA		6" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	28.85	4.59
22 07 19 00-0837	EA		6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	33.89	4.87
22 07 19 00-0838	EA		7" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	34.35	4.98
22 07 19 00-0839	EA		7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	34.96	5.10
22 07 19 00-0840	EA		8" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	35.21	5.16
22 07 19 00-0841	EA		8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	39.28	5.29
22 07 19 00-0842	EA		9" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	39.82	5.42
22 07 19 00-0843	EA		9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	47.14	5.49
22 07 19 00-0844	EA		10" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	47.43	5.56
22 07 19 00-0845	EA		10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	46.10	5.64
22 07 19 00-0846	EA		11" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	46.40	5.71
22 07 19 00-0847	EA		11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	51.78	5.87
22 07 19 00-0848	EA		12" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	52.11	5.95
22 07 19 00-0849	EA		13" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	58.07	6.22
22 07 19 00-0850	EA		14" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	66.36	6.41
22 07 19 00-0851	EA		15" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	89.20	6.61
22 07 19 00-0852	EA		16" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	94.88	6.71
22 07 19 00-0853	EA		17" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	93.71	6.82
22 07 19 00-0854	EA		18" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	103.51	6.93
22 07 19 00-0855	EA		19" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	120.76	7.05
22 07 19 00-0856	EA		20" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	118.19	7.17
22 07 19 00-0857	EA		21" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	125.81	7.29
22 07 19 00-0858	EA		2-1/2" ID, Aluminum Tee Insulation Jacketing.....	58.23	4.81
22 07 19 00-0859	EA		2-3/4" ID, Aluminum Tee Insulation Jacketing.....	58.69	4.92
22 07 19 00-0860	EA		3" ID, Aluminum Tee Insulation Jacketing.....	64.21	5.04
22 07 19 00-0861	EA		3-1/4" ID, Aluminum Tee Insulation Jacketing.....	64.70	5.16
22 07 19 00-0862	EA		3-1/2" ID Aluminum Tee Insulation Jacketing.....	67.33	5.29
22 07 19 00-0863	EA		4" ID, Aluminum Tee Insulation Jacketing.....	68.37	5.42
22 07 19 00-0864	EA		4-1/4" ID, Aluminum Tee Insulation Jacketing.....	71.63	5.56
22 07 19 00-0865	EA		4-1/2" ID, Aluminum Tee Insulation Jacketing.....	71.83	5.71
22 07 19 00-0866	EA		4-3/4" ID, Aluminum Tee Insulation Jacketing.....	72.47	5.87
22 07 19 00-0867	EA		5" ID, Aluminum Tee Insulation Jacketing.....	74.97	6.05
22 07 19 00-0868	EA		5-1/4" ID, Aluminum Tee Insulation Jacketing.....	75.68	6.22
22 07 19 00-0869	EA		5-1/2" ID, Aluminum Tee Insulation Jacketing.....	78.68	6.41
22 07 19 00-0870	EA		6" ID, Aluminum Tee Insulation Jacketing.....	79.49	6.61
22 07 19 00-0871	EA		6-1/2" ID, Aluminum Tee Insulation Jacketing.....	86.47	7.05
22 07 19 00-0872	EA		7" ID, Aluminum Tee Insulation Jacketing.....	87.44	7.29
22 07 19 00-0873	EA		7-1/2" ID, Aluminum Tee Insulation Jacketing.....	95.01	7.56
22 07 19 00-0874	EA		8" ID, Aluminum Tee Insulation Jacketing.....	96.13	7.83
22 07 19 00-0875	EA		8-1/2" ID, Aluminum Tee Insulation Jacketing.....	99.04	8.13
22 07 19 00-0876	EA		9" ID, Aluminum Tee Insulation Jacketing.....	100.34	8.46
22 07 19 00-0877	EA		9-1/2" ID, Aluminum Tee Insulation Jacketing.....	83.89	8.63
22 07 19 00-0878	EA		10" ID, Aluminum Tee Insulation Jacketing.....	84.60	8.82
22 07 19 00-0879	EA		10-1/2" ID, Aluminum Tee Insulation Jacketing.....	88.58	9.00
22 07 19 00-0880	EA		11" ID, Aluminum Tee Insulation Jacketing.....	89.36	9.20
22 07 19 00-0881	EA		11-1/2" ID, Aluminum Tee Insulation Jacketing.....	93.05	9.40
22 07 19 00-0882	EA		12" ID, Aluminum Tee Insulation Jacketing.....	93.90	9.61
22 07 19 00-0883	EA		13" ID, Aluminum Tee Insulation Jacketing.....	97.55	9.83
22 07 19 00-0884	EA		14" ID, Aluminum Tee Insulation Jacketing.....	101.34	10.08
22 07 19 00-0885	EA		15" ID, Aluminum Tee Insulation Jacketing.....	107.31	10.32
22 07 19 00-0886	EA		16" ID, Aluminum Tee Insulation Jacketing.....	110.00	10.57
22 07 19 00-0887	EA		17" ID, Aluminum Tee Insulation Jacketing.....	121.21	10.84
22 07 19 00-0888	EA		18" ID, Aluminum Tee Insulation Jacketing.....	125.38	11.13
22 07 19 00-0889	EA		19" ID, Aluminum Tee Insulation Jacketing.....	135.14	11.44
22 07 19 00-0890	EA		20" ID, Aluminum Tee Insulation Jacketing.....	138.36	11.75
22 07 19 00-0891	EA		22" ID, Aluminum Tee Insulation Jacketing.....	164.58	12.08
22 07 19 00-0892	EA		23" ID, Aluminum Tee Insulation Jacketing.....	169.23	12.44
22 07 19 00-0893	EA		24" ID, Aluminum Tee Insulation Jacketing.....	177.16	13.64

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0894			<b>Stainless Steel Insulation Protective Jacketing With Bands</b> (22 07 19 00-0894)		
22 07 19 00-0895			<b>Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands</b> (22 07 19 00-0894)		
22 07 19 00-0896	SF		0.010" Stainless Steel Insulation Jacket With Bands .....	19.55	7.93
22 07 19 00-0897	SF		0.016" Stainless Steel Insulation Jacket With Bands .....	23.95	9.52
22 07 19 00-0898			<b>10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands</b> (22 07 19 00-0894)		
22 07 19 00-0899	LF		2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	10.58	1.69
22 07 19 00-0900	LF		2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing .....	11.05	1.72
22 07 19 00-0901	LF		3" ID, 0.010" Stainless Steel Insulation Jacketing .....	11.53	1.76
22 07 19 00-0902	LF		3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing .....	12.03	1.80
22 07 19 00-0903	LF		3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	12.53	1.84
22 07 19 00-0904	LF		3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing .....	13.03	1.88
22 07 19 00-0905	LF		4" ID, 0.010" Stainless Steel Insulation Jacketing .....	13.53	1.92
22 07 19 00-0906	LF		4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing .....	14.05	1.96
22 07 19 00-0907	LF		4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	14.58	2.02
22 07 19 00-0908	LF		5" ID, 0.010" Stainless Steel Insulation Jacketing .....	15.66	2.12
22 07 19 00-0909	LF		5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	16.78	2.23
22 07 19 00-0910	LF		6" ID, 0.010" Stainless Steel Insulation Jacketing .....	17.95	2.35
22 07 19 00-0911	LF		6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	18.89	2.42
22 07 19 00-0912	LF		7" ID, 0.010" Stainless Steel Insulation Jacketing .....	19.86	2.49
22 07 19 00-0913	LF		7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	20.90	2.58
22 07 19 00-0914	LF		8" ID, 0.010" Stainless Steel Insulation Jacketing .....	21.76	2.63
22 07 19 00-0915	LF		8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	22.64	2.68
22 07 19 00-0916	LF		9" ID, 0.010" Stainless Steel Insulation Jacketing .....	23.52	2.73
22 07 19 00-0917	LF		9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	24.42	2.78
22 07 19 00-0918	LF		10" ID, 0.010" Stainless Steel Insulation Jacketing .....	25.32	2.84
22 07 19 00-0919	LF		10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	26.24	2.90
22 07 19 00-0920	LF		11" ID, 0.010" Stainless Steel Insulation Jacketing .....	27.15	2.96
22 07 19 00-0921	LF		12" ID, 0.010" Stainless Steel Insulation Jacketing .....	29.01	3.08
22 07 19 00-0922	LF		13" ID, 0.010" Stainless Steel Insulation Jacketing .....	30.84	3.20
22 07 19 00-0923	LF		14" ID, 0.010" Stainless Steel Insulation Jacketing .....	32.39	3.25
22 07 19 00-0924			<b>16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands</b> (22 07 19 00-0894)		
22 07 19 00-0925	LF		2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	14.52	2.25
22 07 19 00-0926	LF		2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing .....	15.20	2.30
22 07 19 00-0927	LF		3" ID, 0.016" Stainless Steel Insulation Jacketing .....	15.88	2.35
22 07 19 00-0928	LF		3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing .....	16.58	2.40
22 07 19 00-0929	LF		3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	17.28	2.45
22 07 19 00-0930	LF		3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing .....	17.98	2.50
22 07 19 00-0931	LF		4" ID, 0.016" Stainless Steel Insulation Jacketing .....	18.70	2.56
22 07 19 00-0932	LF		4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing .....	19.43	2.62
22 07 19 00-0933	LF		4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	20.16	2.68
22 07 19 00-0934	LF		5" ID, 0.016" Stainless Steel Insulation Jacketing .....	21.69	2.81
22 07 19 00-0935	LF		5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	23.26	2.96
22 07 19 00-0936	LF		6" ID, 0.016" Stainless Steel Insulation Jacketing .....	24.89	3.12
22 07 19 00-0937	LF		6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	26.23	3.21
22 07 19 00-0938	LF		7" ID, 0.016" Stainless Steel Insulation Jacketing .....	27.61	3.30
22 07 19 00-0939	LF		7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	29.06	3.43
22 07 19 00-0940	LF		8" ID, 0.016" Stainless Steel Insulation Jacketing .....	30.29	3.50
22 07 19 00-0941	LF		8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	31.54	3.56
22 07 19 00-0942	LF		9" ID, 0.016" Stainless Steel Insulation Jacketing .....	32.81	3.63
22 07 19 00-0943	LF		9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	34.06	3.70
22 07 19 00-0944	LF		10" ID, 0.016" Stainless Steel Insulation Jacketing .....	35.34	3.78
22 07 19 00-0945	LF		10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	36.66	3.85
22 07 19 00-0946	LF		11" ID, 0.016" Stainless Steel Insulation Jacketing .....	37.95	3.93
22 07 19 00-0947	LF		12" ID, 0.016" Stainless Steel Insulation Jacketing .....	40.58	4.11
22 07 19 00-0948	LF		13" ID, 0.016" Stainless Steel Insulation Jacketing .....	43.19	4.26
22 07 19 00-0949	LF		14" ID, 0.016" Stainless Steel Insulation Jacketing .....	45.40	4.32
22 07 19 00-0950			<b>Type 316 Stainless Steel Insulation Protective Jacketing For Fittings</b> (22 07 19 00-0894)		
22 07 19 00-0951	EA		2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	30.26	3.36
22 07 19 00-0952	EA		2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	30.58	3.44
22 07 19 00-0953	EA		3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	31.69	3.53
22 07 19 00-0954	EA		3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	32.05	3.62
22 07 19 00-0955	EA		3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	33.19	3.68
22 07 19 00-0956	EA		3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	34.50	3.75
22 07 19 00-0957	EA		4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	36.85	3.85
22 07 19 00-0958	EA		4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	44.21	3.92
22 07 19 00-0959	EA		4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	44.50	3.99
22 07 19 00-0960	EA		5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	45.78	4.15
22 07 19 00-0961	EA		5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	60.96	4.36
22 07 19 00-0962	EA		6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	66.16	4.59
22 07 19 00-0963	EA		6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	85.21	4.87
22 07 19 00-0964	EA		7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	85.67	4.98
22 07 19 00-0965	EA		7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	97.16	5.10
22 07 19 00-0966	EA		8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	97.93	5.29
22 07 19 00-0967	EA		8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	100.54	5.29

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 07 19 00-0968	EA	9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	142.45	5.42
22 07 19 00-0969	EA	9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	140.63	5.49
22 07 19 00-0970	EA	10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	140.92	5.56
22 07 19 00-0971	EA	10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	164.53	5.64
22 07 19 00-0972	EA	11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	158.39	5.71
22 07 19 00-0973	EA	12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	177.69	5.95
22 07 19 00-0974	EA	13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	238.05	6.22
22 07 19 00-0975	EA	14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	240.24	6.41
22 07 19 00-0976	EA	2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	27.46	3.36
22 07 19 00-0977	EA	2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	27.78	3.44
22 07 19 00-0978	EA	3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	29.19	3.53
22 07 19 00-0979	EA	3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	29.55	3.62
22 07 19 00-0980	EA	3-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	29.99	3.68
22 07 19 00-0981	EA	3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	30.25	3.75
22 07 19 00-0982	EA	4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	35.02	3.85
22 07 19 00-0983	EA	4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	43.24	3.92
22 07 19 00-0984	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	43.53	3.99
22 07 19 00-0985	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	43.84	4.07
22 07 19 00-0986	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	44.62	4.15
22 07 19 00-0987	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	45.48	4.36
22 07 19 00-0988	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	51.65	4.59
22 07 19 00-0989	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	52.71	4.87
22 07 19 00-0990	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	76.19	4.98
22 07 19 00-0991	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	77.82	5.10
22 07 19 00-0992	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	78.07	5.16
22 07 19 00-0993	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	88.36	5.29
22 07 19 00-0994	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	88.90	5.42
22 07 19 00-0995	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	100.88	5.49
22 07 19 00-0996	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	101.17	5.56
22 07 19 00-0997	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	117.39	5.64
22 07 19 00-0998	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	117.69	5.71
22 07 19 00-0999	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	126.82	5.95
22 07 19 00-1000	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	146.07	6.22

**22 07 19 00-1001 Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0921)**

**22 07 19 00-1002 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-1001)**

22 07 19 00-1003	LF	1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	6.59	1.56
22 07 19 00-1004	LF	2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	6.94	1.62
22 07 19 00-1005	LF	2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	7.28	1.69
22 07 19 00-1006	LF	3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	7.67	1.76
22 07 19 00-1007	LF	3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	8.06	1.84
22 07 19 00-1008	LF	4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	8.48	1.92
22 07 19 00-1009	LF	4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	8.95	2.02
22 07 19 00-1010	LF	5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	9.43	2.12
22 07 19 00-1011	LF	5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	9.97	2.23
22 07 19 00-1012	LF	6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	10.56	2.35
22 07 19 00-1013	LF	6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	10.92	2.42
22 07 19 00-1014	LF	7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	11.28	2.49
22 07 19 00-1015	LF	7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	11.76	2.58
22 07 19 00-1016	LF	8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	12.03	2.63
22 07 19 00-1017	LF	8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	12.33	2.68
22 07 19 00-1018	LF	9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	12.62	2.73
22 07 19 00-1019	LF	9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	12.93	2.78
22 07 19 00-1020	LF	10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	13.24	2.84
22 07 19 00-1021	LF	10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	13.57	2.90
22 07 19 00-1022	LF	11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	13.90	2.96
22 07 19 00-1023	LF	11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	14.25	3.02
22 07 19 00-1024	LF	12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	14.60	3.08
22 07 19 00-1025	LF	12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	14.98	3.15
22 07 19 00-1026	LF	13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	15.26	3.20
22 07 19 00-1027	LF	13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	15.35	3.20
22 07 19 00-1028	LF	14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	15.64	3.25
22 07 19 00-1029	LF	15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	16.03	3.30
22 07 19 00-1030	LF	16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	16.42	3.36
22 07 19 00-1031	LF	17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	16.82	3.42
22 07 19 00-1032	LF	18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	17.23	3.47
22 07 19 00-1033	LF	19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	17.64	3.53
22 07 19 00-1034	LF	20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	18.07	3.59
22 07 19 00-1035	LF	21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	18.49	3.65
22 07 19 00-1036	LF	22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	18.93	3.71
22 07 19 00-1037	LF	23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	19.37	3.78
22 07 19 00-1038	LF	24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	19.84	3.85
22 07 19 00-1039	LF	25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	20.31	3.92
22 07 19 00-1040	LF	26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	20.78	3.99
22 07 19 00-1041	LF	27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	21.28	4.07
22 07 19 00-1042	LF	28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	21.76	4.15
22 07 19 00-1043	LF	29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	22.29	4.23
22 07 19 00-1044	LF	30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	22.82	4.31

**22 07 19 00-1045 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-1001)**

22 07 19 00-1046	LF	2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	7.14	1.62
22 07 19 00-1047	LF	2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	7.54	1.69

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1048	LF		3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	7.97	1.76
22 07 19 00-1049	LF		3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	8.40	1.84
22 07 19 00-1050	LF		4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	8.86	1.92
22 07 19 00-1051	LF		4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	9.37	2.02
22 07 19 00-1052	LF		5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	9.90	2.12
22 07 19 00-1053	LF		5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	10.48	2.23
22 07 19 00-1054	LF		6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	11.11	2.35
22 07 19 00-1055	LF		6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	11.51	2.42
22 07 19 00-1056	LF		7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	11.93	2.49
22 07 19 00-1057	LF		7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	12.45	2.58
22 07 19 00-1058	LF		8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	12.77	2.63
22 07 19 00-1059	LF		8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	13.11	2.68
22 07 19 00-1060	LF		9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	13.44	2.73
22 07 19 00-1061	LF		9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	13.80	2.78
22 07 19 00-1062	LF		10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	14.16	2.84
22 07 19 00-1063	LF		10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	14.52	2.90
22 07 19 00-1064	LF		11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	14.90	2.96
22 07 19 00-1065	LF		11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	15.28	3.02
22 07 19 00-1066	LF		12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	15.69	3.08
22 07 19 00-1067	LF		12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	16.11	3.15
22 07 19 00-1068	LF		13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	16.44	3.20
22 07 19 00-1069	LF		13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	16.58	3.20
22 07 19 00-1070	LF		14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	16.91	3.25
22 07 19 00-1071	LF		15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	17.38	3.30
22 07 19 00-1072	LF		16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	17.86	3.36
22 07 19 00-1073	LF		17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	18.34	3.42
22 07 19 00-1074	LF		18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	18.84	3.47
22 07 19 00-1075	LF		19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	19.35	3.53
22 07 19 00-1076	LF		20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	19.86	3.59
22 07 19 00-1077	LF		21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	20.38	3.65
22 07 19 00-1078	LF		22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	20.90	3.71
22 07 19 00-1079	LF		23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	21.43	3.78
22 07 19 00-1080	LF		24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	21.98	3.85
22 07 19 00-1081	LF		25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	22.55	3.92
22 07 19 00-1082	LF		26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	23.11	3.99
22 07 19 00-1083	LF		27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	23.69	4.07
22 07 19 00-1084	LF		28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	24.27	4.15
22 07 19 00-1085	LF		29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	24.88	4.23
22 07 19 00-1086	LF		30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	25.48	4.31

**22 07 19 00-1087 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings** (22 07 19 00-

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1088	EA		1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	13.27	3.13
22 07 19 00-1089	EA		2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	13.94	3.25
22 07 19 00-1090	EA		2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	14.24	3.30
22 07 19 00-1091	EA		2-1/2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	14.56	3.36
22 07 19 00-1092	EA		2-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	14.97	3.44
22 07 19 00-1093	EA		3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	15.39	3.53
22 07 19 00-1094	EA		3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	16.06	3.65
22 07 19 00-1095	EA		3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	16.61	3.75
22 07 19 00-1096	EA		4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	17.45	3.85
22 07 19 00-1097	EA		4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	18.61	4.03
22 07 19 00-1098	EA		5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	19.84	4.23
22 07 19 00-1099	EA		5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	21.66	4.45
22 07 19 00-1100	EA		6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	25.22	4.70
22 07 19 00-1101	EA		6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	26.21	4.87
22 07 19 00-1102	EA		7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	28.38	4.98
22 07 19 00-1103	EA		7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	29.26	5.10
22 07 19 00-1104	EA		8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	32.58	5.29
22 07 19 00-1105	EA		9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	37.23	5.49
22 07 19 00-1106	EA		10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	39.90	5.71
22 07 19 00-1107	EA		11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	43.36	5.95
22 07 19 00-1108	EA		12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	49.54	6.22
22 07 19 00-1109	EA		14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	53.82	6.41
22 07 19 00-1110	EA		15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	56.73	6.61
22 07 19 00-1111	EA		16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	59.91	6.71
22 07 19 00-1112	EA		17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	63.96	6.82
22 07 19 00-1113	EA		18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	75.06	6.93
22 07 19 00-1114	EA		19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	92.44	7.05
22 07 19 00-1115	EA		20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	111.23	7.17
22 07 19 00-1116	EA		1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	13.27	3.13
22 07 19 00-1117	EA		2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	13.94	3.25
22 07 19 00-1118	EA		2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	14.24	3.30
22 07 19 00-1119	EA		2-1/2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	14.56	3.36
22 07 19 00-1120	EA		2-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	14.97	3.44
22 07 19 00-1121	EA		3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	15.39	3.53
22 07 19 00-1122	EA		3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	16.06	3.65
22 07 19 00-1123	EA		3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	16.61	3.75
22 07 19 00-1124	EA		4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	17.45	3.85
22 07 19 00-1125	EA		4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	18.61	4.03
22 07 19 00-1126	EA		5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	19.84	4.23
22 07 19 00-1127	EA		5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	21.66	4.45
22 07 19 00-1128	EA		6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	25.22	4.70
22 07 19 00-1129	EA		6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	26.21	4.87
22 07 19 00-1130	EA		7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	28.38	4.98

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1131	EA		7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	29.26	5.10
22 07 19 00-1132	EA		8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	32.58	5.29
22 07 19 00-1133	EA		9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	37.23	5.49
22 07 19 00-1134	EA		10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	39.89	5.71
22 07 19 00-1135	EA		11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	42.61	5.95
22 07 19 00-1136	EA		12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	45.84	6.22
22 07 19 00-1137	EA		14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	49.58	6.41
22 07 19 00-1138	EA		15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	52.14	6.61
22 07 19 00-1139	EA		16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	56.19	6.71
22 07 19 00-1140	EA		17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	60.33	6.82
22 07 19 00-1141	EA		18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	68.12	6.93
22 07 19 00-1142	EA		19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	83.28	7.05
22 07 19 00-1143	EA		20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	91.06	7.17
22 07 19 00-1144	EA		1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	19.02	4.40
22 07 19 00-1145	EA		2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	19.58	4.50
22 07 19 00-1146	EA		2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	20.31	4.64
22 07 19 00-1147	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	21.10	4.81
22 07 19 00-1148	EA		2-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	21.98	4.98
22 07 19 00-1149	EA		3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	22.88	5.16
22 07 19 00-1150	EA		3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	24.00	5.35
22 07 19 00-1151	EA		3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	25.19	5.56
22 07 19 00-1152	EA		4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	26.64	5.79
22 07 19 00-1153	EA		4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	28.49	6.05
22 07 19 00-1154	EA		5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	30.45	6.32
22 07 19 00-1155	EA		5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	33.76	6.71
22 07 19 00-1156	EA		6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	37.27	7.05
22 07 19 00-1157	EA		6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	39.90	7.17
22 07 19 00-1158	EA		7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	47.83	7.42
22 07 19 00-1159	EA		7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	51.23	7.83
22 07 19 00-1160	EA		8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	56.73	8.13
22 07 19 00-1161	EA		9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	62.37	8.46
22 07 19 00-1162	EA		10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	64.11	8.82
22 07 19 00-1163	EA		11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	68.08	9.00
22 07 19 00-1164	EA		12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	72.06	9.20
22 07 19 00-1165	EA		14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	76.11	9.40
22 07 19 00-1166	EA		15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	80.15	9.61
22 07 19 00-1167	EA		16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	84.26	9.83
22 07 19 00-1168	EA		17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	88.38	10.08
22 07 19 00-1169	EA		18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	94.21	10.32
22 07 19 00-1170	EA		19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	100.06	10.57
22 07 19 00-1171	EA		20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	107.02	10.84
22 07 19 00-1172	EA		3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	17.94	3.02
22 07 19 00-1173	EA		1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	17.94	3.02
22 07 19 00-1174	EA		1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	19.95	3.13
22 07 19 00-1175	EA		1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	19.95	3.13
22 07 19 00-1176	EA		2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	24.72	3.25
22 07 19 00-1177	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	26.52	3.39
22 07 19 00-1178	EA		3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	28.65	3.53
22 07 19 00-1179	EA		3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	31.55	3.68
22 07 19 00-1180	EA		4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	34.14	3.85
22 07 19 00-1181	EA		5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	40.25	4.23
22 07 19 00-1182	EA		6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	53.26	4.70
22 07 19 00-1183	EA		8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	58.68	5.29
22 07 19 00-1184	EA		10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	70.58	5.64
22 07 19 00-1185	EA		12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	93.93	6.22
22 07 19 00-1186	EA		14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	95.21	6.51
22 07 19 00-1187	EA		16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	120.93	6.71
22 07 19 00-1188	EA		18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	157.13	6.93
22 07 19 00-1189	EA		3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	17.29	3.02
22 07 19 00-1190	EA		1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	17.29	3.02
22 07 19 00-1191	EA		1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	19.17	3.13
22 07 19 00-1192	EA		1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	19.17	3.13
22 07 19 00-1193	EA		2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	23.44	3.25
22 07 19 00-1194	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	25.09	3.39
22 07 19 00-1195	EA		3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	27.09	3.53
22 07 19 00-1196	EA		3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	28.41	3.68
22 07 19 00-1197	EA		4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	32.07	3.85
22 07 19 00-1198	EA		5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	37.68	4.23
22 07 19 00-1199	EA		6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	49.48	4.70
22 07 19 00-1200	EA		8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	54.53	5.29
22 07 19 00-1201	EA		10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	65.30	5.64
22 07 19 00-1202	EA		12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	86.38	6.22
22 07 19 00-1203	EA		14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	106.03	6.51
22 07 19 00-1204	EA		16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	123.77	6.71
22 07 19 00-1205	EA		18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	142.13	6.93
22 07 19 00-1206	EA		3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	25.83	4.54
22 07 19 00-1207	EA		1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	25.83	4.54
22 07 19 00-1208	EA		1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	28.44	4.70
22 07 19 00-1209	EA		1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	28.44	4.70
22 07 19 00-1210	EA		2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	34.65	4.87
22 07 19 00-1211	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	37.05	5.04
22 07 19 00-1212	EA		3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	40.06	5.29
22 07 19 00-1213	EA		3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	42.01	5.49
22 07 19 00-1214	EA		4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	47.64	5.79
22 07 19 00-1215	EA		5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	52.21	6.32

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 07 19 00-1216	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	68.08	7.05
22 07 19 00-1217	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	74.57	7.83
22 07 19 00-1218	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	96.26	8.46
22 07 19 00-1219	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	126.52	9.20
22 07 19 00-1220	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	147.74	9.83
22 07 19 00-1221	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	170.31	10.08
22 07 19 00-1222	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	184.52	10.32

**22 07 19 00-1223 Insulation Foam Rubber (22 07 19)****22 07 19 00-1224 Covering 4x6 Sheet (22 07 19 00-1223)**

22 07 19 00-1225	SF	1" Thick Foam Rubber Sheet Insulation.....	19.71	7.51
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**22 10 Plumbing Piping (22)**

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

**22 11 Facility Water Distribution (22 10)****22 11 16 Domestic Water Piping (22 11)**

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

**22 11 16 00-0001 Galvanized Steel Pipe Assemblies (22 11 16)**

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

22 11 16 00-0002	LF	1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	16.26	3.75
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-0.57	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	4.21	
		For Work In Restricted Working Space, Add	3.73	
22 11 16 00-0003	LF	3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	17.82	4.03
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-0.70	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	4.73	
		For Work In Restricted Working Space, Add	3.95	
22 11 16 00-0004	LF	1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	20.09	4.41
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-0.90	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	5.53	
		For Work In Restricted Working Space, Add	4.22	
22 11 16 00-0005	LF	1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	23.60	4.59
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-1.30	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	6.89	
		For Work In Restricted Working Space, Add	4.48	
22 11 16 00-0006	LF	1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	25.36	5.44
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-1.47	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	7.52	
		For Work In Restricted Working Space, Add	4.67	
22 11 16 00-0007	LF	2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	30.57	6.55
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-1.93	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	9.33	
		For Work In Restricted Working Space, Add	5.32	
22 11 16 00-0008	LF	2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	44.99	7.77
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-3.63	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	15.06	
		For Work In Restricted Working Space, Add	6.23	
22 11 16 00-0009	LF	3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	55.29	10.41
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-4.52	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	18.59	
		For Work In Restricted Working Space, Add	7.55	
22 11 16 00-0010	LF	4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	86.35	11.78
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-8.82	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	31.98	
		For Work In Restricted Working Space, Add	8.26	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0011	LF			5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 156.44 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For ASTM 120, Deduct -18.48 For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add 62.09 For Work In Restricted Working Space, Add 9.98		15.06
22 11 16 00-0012	LF			6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 188.11 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For ASTM 120, Deduct -22.55 For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add 75.20 For Work In Restricted Working Space, Add 11.33		17.81
22 11 16 00-0013				<b>Galvanized Steel Pipe And Threaded Fittings</b> <sup>(22 11 16)</sup> Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
22 11 16 00-0014				<b>Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe</b> <sup>(22 11 16 00-0013)</sup> Note: ASTM A-53. Includes coupling. Welded pipe has a weld bead on the inside.		
22 11 16 00-0015	LF			1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe..... 7.47 For ASTM 120, Deduct -0.27 For Schedule 80 Pipe, Add 1.43 For Work In Restricted Working Space, Add 1.70		3.75
22 11 16 00-0016	LF			3/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe..... 8.42 For ASTM 120, Deduct -0.36 For Schedule 80 Pipe, Add 1.74 For Work In Restricted Working Space, Add 1.82		4.03
22 11 16 00-0017	LF			1" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe..... 10.07 For ASTM 120, Deduct -0.53 For Schedule 80 Pipe, Add 2.34 For Work In Restricted Working Space, Add 1.97		4.41
22 11 16 00-0018	LF			1-1/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 11.70 For ASTM 120, Deduct -0.71 For Schedule 80 Pipe, Add 2.98 For Work In Restricted Working Space, Add 2.08		4.59
22 11 16 00-0019	LF			1-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 13.84 For ASTM 120, Deduct -0.85 For Schedule 80 Pipe, Add 3.55 For Work In Restricted Working Space, Add 2.45		5.44
22 11 16 00-0020	LF			2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe..... 17.51 For ASTM 120, Deduct -1.15 For Schedule 80 Pipe, Add 4.66 For Work In Restricted Working Space, Add 2.96		6.55
22 11 16 00-0021	LF			2-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 23.85 For ASTM 120, Deduct -1.82 For Schedule 80 Pipe, Add 6.99 For Work In Restricted Working Space, Add 3.52		7.77
22 11 16 00-0022	LF			3" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe..... 31.50 For ASTM 120, Deduct -2.38 For Schedule 80 Pipe, Add 9.18 For Work In Restricted Working Space, Add 4.69		10.41
22 11 16 00-0023	LF			4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe..... 40.32 For ASTM 120, Deduct -3.39 For Schedule 80 Pipe, Add 12.62 For Work In Restricted Working Space, Add 5.32		11.78
22 11 16 00-0024	LF			5" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe..... 52.87 For ASTM 120, Deduct -4.55 For Schedule 80 Pipe, Add 16.81 For Work In Restricted Working Space, Add 6.77		15.06
22 11 16 00-0025	LF			6" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe..... 66.00 For ASTM 120, Deduct -5.90 For Schedule 80 Pipe, Add 21.55 For Work In Restricted Working Space, Add 8.00		17.81
22 11 16 00-0026	LF			8" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe..... 74.70 For ASTM 120, Deduct -6.37 For Schedule 80 Pipe, Add 23.62 For Work In Restricted Working Space, Add 9.66		21.52
22 11 16 00-0027				<b>Seamless, Threaded And Coupled, Galvanized Steel Pipe</b> <sup>(22 11 16 00-0013)</sup> Note: ASTM A-53. Includes coupling.		
22 11 16 00-0028	LF			1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe..... 9.65 For ASTM 120, Deduct -0.60 For Schedule 80 Pipe, Add 2.47 For Work In Restricted Working Space, Add 1.70		3.75
22 11 16 00-0029	LF			3/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe..... 10.81 For ASTM 120, Deduct -0.71 For Schedule 80 Pipe, Add 2.89 For Work In Restricted Working Space, Add 1.82		4.03
22 11 16 00-0030	LF			1" Schedule 40, Seamless, Threaded Galvanized Steel Pipe..... 12.08 For ASTM 120, Deduct -0.83 For Schedule 80 Pipe, Add 3.31 For Work In Restricted Working Space, Add 1.97		4.41
22 11 16 00-0031	LF			1-1/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe..... 13.89 For ASTM 120, Deduct -1.04 For Schedule 80 Pipe, Add 4.03 For Work In Restricted Working Space, Add 2.08		4.59
22 11 16 00-0032	LF			1-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe..... 16.09 For ASTM 120, Deduct -1.19 For Schedule 80 Pipe, Add 4.63 For Work In Restricted Working Space, Add 2.45		5.44

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0033	LF		2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	18.90	6.55
			<i>For ASTM 120, Deduct</i>	-1.36	
			<i>For Schedule 80 Pipe, Add</i>	5.33	
			<i>For Work In Restricted Working Space, Add</i>	2.96	
22 11 16 00-0034	LF		2-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	26.85	7.77
			<i>For ASTM 120, Deduct</i>	-2.27	
			<i>For Schedule 80 Pipe, Add</i>	8.43	
			<i>For Work In Restricted Working Space, Add</i>	3.52	
22 11 16 00-0035	LF		3" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	34.12	10.41
			<i>For ASTM 120, Deduct</i>	-2.78	
			<i>For Schedule 80 Pipe, Add</i>	10.44	
			<i>For Work In Restricted Working Space, Add</i>	4.69	
22 11 16 00-0036	LF		4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	44.17	11.78
			<i>For ASTM 120, Deduct</i>	-3.97	
			<i>For Schedule 80 Pipe, Add</i>	14.47	
			<i>For Work In Restricted Working Space, Add</i>	5.32	
22 11 16 00-0037	LF		5" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	57.07	15.06
			<i>For ASTM 120, Deduct</i>	-5.18	
			<i>For Schedule 80 Pipe, Add</i>	18.82	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0038	LF		6" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	70.83	17.81
			<i>For ASTM 120, Deduct</i>	-6.62	
			<i>For Schedule 80 Pipe, Add</i>	23.86	
			<i>For Work In Restricted Working Space, Add</i>	8.00	
<b>22 11 16 00-0039</b>			<b>Galvanized Malleable Iron 90 Degree Elbows (22 11 16 00-0013)</b>		
22 11 16 00-0040	EA		1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	30.02	16.68
			<i>For ASTM 120, Deduct</i>	-0.75	
			<i>For 300 LB Rating, Add</i>	18.60	
			<i>For Work In Restricted Working Space, Add</i>	7.50	
22 11 16 00-0041	EA		3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	34.15	18.65
			<i>For ASTM 120, Deduct</i>	-0.93	
			<i>For 300 LB Rating, Add</i>	22.69	
			<i>For Work In Restricted Working Space, Add</i>	8.39	
22 11 16 00-0042	EA		1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	42.68	20.80
			<i>For ASTM 120, Deduct</i>	-1.72	
			<i>For 300 LB Rating, Add</i>	40.77	
			<i>For Work In Restricted Working Space, Add</i>	9.37	
22 11 16 00-0043	EA		1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	53.44	23.62
			<i>For ASTM 120, Deduct</i>	-2.71	
			<i>For 300 LB Rating, Add</i>	63.59	
			<i>For Work In Restricted Working Space, Add</i>	10.61	
22 11 16 00-0044	EA		1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	63.47	26.61
			<i>For ASTM 120, Deduct</i>	-3.54	
			<i>For 300 LB Rating, Add</i>	82.63	
			<i>For Work In Restricted Working Space, Add</i>	11.96	
22 11 16 00-0045	EA		2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	89.31	33.83
			<i>For ASTM 120, Deduct</i>	-5.80	
			<i>For 300 LB Rating, Add</i>	134.48	
			<i>For Work In Restricted Working Space, Add</i>	15.20	
22 11 16 00-0046	EA		2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	176.13	50.04
			<i>For ASTM 120, Deduct</i>	-15.18	
			<i>For 300 LB Rating, Add</i>	348.48	
			<i>For Work In Restricted Working Space, Add</i>	22.49	
22 11 16 00-0047	EA		3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	265.44	65.79
			<i>For ASTM 120, Deduct</i>	-25.02	
			<i>For 300 LB Rating, Add</i>	573.04	
			<i>For Work In Restricted Working Space, Add</i>	29.59	
22 11 16 00-0048	EA		4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	397.54	68.92
			<i>For ASTM 120, Deduct</i>	-44.13	
			<i>For 300 LB Rating, Add</i>	1,006.45	
			<i>For Work In Restricted Working Space, Add</i>	31.01	
22 11 16 00-0049	EA		5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	1,378.31	71.93
			<i>For ASTM 120, Deduct</i>	-190.57	
			<i>For 300 LB Rating, Add</i>	4,326.07	
			<i>For Work In Restricted Working Space, Add</i>	32.35	
22 11 16 00-0050	EA		6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	1,283.99	75.21
			<i>For ASTM 120, Deduct</i>	-175.69	
			<i>For 300 LB Rating, Add</i>	3,988.98	
			<i>For Work In Restricted Working Space, Add</i>	33.83	
22 11 16 00-0051	EA		8", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	1,530.84	78.59
			<i>For ASTM 120, Deduct</i>	-211.95	
			<i>For 300 LB Rating, Add</i>	4,811.34	
			<i>For Work In Restricted Working Space, Add</i>	35.35	
<b>22 11 16 00-0052</b>			<b>Galvanized Malleable Iron Reducing 90 Degree Elbows (22 11 16 00-0013)</b>		
22 11 16 00-0053	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow.....	37.22	17.62
			<i>For ASTM 120, Deduct</i>	-1.61	
			<i>For Work In Restricted Working Space, Add</i>	7.94	
22 11 16 00-0054	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow.....	43.39	19.77
			<i>For ASTM 120, Deduct</i>	-2.07	
			<i>For Work In Restricted Working Space, Add</i>	8.88	
22 11 16 00-0055	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow.....	42.73	18.75
			<i>For ASTM 120, Deduct</i>	-2.19	
			<i>For Work In Restricted Working Space, Add</i>	8.43	
22 11 16 00-0056	EA		1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow.....	56.43	22.20
			<i>For ASTM 120, Deduct</i>	-3.47	
			<i>For Work In Restricted Working Space, Add</i>	9.99	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0057	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	59.44 -4.17 9.50	21.09
22 11 16 00-0058	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	59.60 -4.41 9.05	20.15
22 11 16 00-0059	EA		1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	74.56 -5.54 11.28	25.11
22 11 16 00-0060	EA		1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	72.51 -5.54 10.67	23.71
22 11 16 00-0061	EA		1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	70.87 -5.54 10.18	22.59
22 11 16 00-0062	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	88.43 -6.48 13.58	30.17
22 11 16 00-0063	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	92.50 -7.42 12.90	28.68
22 11 16 00-0064	EA		2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	92.30 -7.70 12.28	27.27
22 11 16 00-0065	EA		2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	78.27 -5.84 11.79	26.24
22 11 16 00-0066	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	209.14 -21.95 18.84	41.89
22 11 16 00-0067	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	220.46 -24.45 17.23	38.33
22 11 16 00-0068	EA		3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	352.77 -39.90 26.04	57.91
22 11 16 00-0069	EA		3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	305.65 -34.65 22.40	49.76
22 11 16 00-0070	EA		4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	700.15 -90.28 29.49	65.55
<b>22 11 16 00-0071</b>			<b>Galvanized Malleable Iron 45 Degree Elbow</b> <small>(22 11 16 00-0013)</small>		
22 11 16 00-0072	EA		1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.92 -0.89 21.66 7.50	16.68
22 11 16 00-0073	EA		3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.49 -1.28 30.65 8.39	18.65
22 11 16 00-0074	EA		1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.86 -1.44 34.58 9.37	20.80
22 11 16 00-0075	EA		1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.33 -2.70 63.22 10.61	23.62
22 11 16 00-0076	EA		1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.98 -3.17 74.17 11.96	26.61
22 11 16 00-0077	EA		2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.89 -4.69 109.26 15.20	33.83
22 11 16 00-0078	EA		2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	183.66 -16.31 374.08 22.49	50.04
22 11 16 00-0079	EA		3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	256.73 -23.71 543.42 29.59	65.79
22 11 16 00-0080	EA		4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	368.38 -39.75 907.30 31.01	68.92
22 11 16 00-0081	EA		5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,178.78 -160.64 3,647.67 32.35	71.93
22 11 16 00-0082	EA		6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,404.06 -193.70 4,397.22 33.83	75.21

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0083	EA		8", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	1,673.47	78.59
			<i>For ASTM 120, Deduct</i>	-233.35	
			<i>For 300 LB Rating, Add</i>	5,296.28	
			<i>For Work In Restricted Working Space, Add</i>	35.35	
<b>22 11 16 00-0084</b>			<b>Galvanized Malleable Iron Tees</b> (22 11 16 00-0013)		
22 11 16 00-0085	EA		1/2", 150 LB, Galvanized Malleable Iron Tee.....	37.45	20.80
			<i>For ASTM 120, Deduct</i>	-0.93	
			<i>For 300 LB Rating, Add</i>	22.99	
			<i>For Work In Restricted Working Space, Add</i>	9.37	
22 11 16 00-0086	EA		3/4", 150 LB, Galvanized Malleable Iron Tee.....	46.28	24.08
			<i>For ASTM 120, Deduct</i>	-1.54	
			<i>For 300 LB Rating, Add</i>	36.98	
			<i>For Work In Restricted Working Space, Add</i>	10.81	
22 11 16 00-0087	EA		1", 150 LB, Galvanized Malleable Iron Tee.....	59.15	28.40
			<i>For ASTM 120, Deduct</i>	-2.48	
			<i>For 300 LB Rating, Add</i>	58.86	
			<i>For Work In Restricted Working Space, Add</i>	12.78	
22 11 16 00-0088	EA		1-1/4", 150 LB, Galvanized Malleable Iron Tee.....	76.93	33.83
			<i>For ASTM 120, Deduct</i>	-3.94	
			<i>For 300 LB Rating, Add</i>	92.39	
			<i>For Work In Restricted Working Space, Add</i>	15.20	
22 11 16 00-0089	EA		1-1/2", 150 LB, Galvanized Malleable Iron Tee.....	93.12	40.30
			<i>For ASTM 120, Deduct</i>	-4.90	
			<i>For 300 LB Rating, Add</i>	114.71	
			<i>For Work In Restricted Working Space, Add</i>	18.14	
22 11 16 00-0090	EA		2", 150 LB, Galvanized Malleable Iron Tee.....	128.06	50.04
			<i>For ASTM 120, Deduct</i>	-7.97	
			<i>For 300 LB Rating, Add</i>	185.04	
			<i>For Work In Restricted Working Space, Add</i>	22.49	
22 11 16 00-0091	EA		2-1/2", 150 LB, Galvanized Malleable Iron Tee.....	230.98	54.35
			<i>For ASTM 120, Deduct</i>	-22.42	
			<i>For 300 LB Rating, Add</i>	513.16	
			<i>For Work In Restricted Working Space, Add</i>	24.45	
22 11 16 00-0092	EA		3", 150 LB, Galvanized Malleable Iron Tee.....	273.95	65.79
			<i>For ASTM 120, Deduct</i>	-26.30	
			<i>For 300 LB Rating, Add</i>	601.97	
			<i>For Work In Restricted Working Space, Add</i>	29.59	
22 11 16 00-0093	EA		4", 150 LB, Galvanized Malleable Iron Tee.....	545.27	87.09
			<i>For ASTM 120, Deduct</i>	-62.21	
			<i>For 300 LB Rating, Add</i>	1,417.88	
			<i>For Work In Restricted Working Space, Add</i>	39.17	
22 11 16 00-0094	EA		5", 150 LB, Galvanized Malleable Iron Tee.....	1,458.64	103.38
			<i>For ASTM 120, Deduct</i>	-195.54	
			<i>For 300 LB Rating, Add</i>	4,441.58	
			<i>For Work In Restricted Working Space, Add</i>	46.51	
22 11 16 00-0095	EA		6", 150 LB, Galvanized Malleable Iron Tee.....	1,655.78	118.18
			<i>For ASTM 120, Deduct</i>	-221.79	
			<i>For 300 LB Rating, Add</i>	5,037.87	
			<i>For Work In Restricted Working Space, Add</i>	53.15	
22 11 16 00-0096	EA		8", 150 LB, Galvanized Malleable Iron Tee.....	1,969.46	140.32
			<i>For ASTM 120, Deduct</i>	-263.53	
			<i>For 300 LB Rating, Add</i>	5,986.05	
			<i>For Work In Restricted Working Space, Add</i>	63.78	
<b>22 11 16 00-0097</b>			<b>Galvanized Malleable Iron Reducing Tee</b> (22 11 16 00-0013)		
22 11 16 00-0098	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	45.68	20.80
			<i>For ASTM 120, Deduct</i>	-2.17	
			<i>For 300 LB Rating, Add</i>	50.97	
			<i>For Work In Restricted Working Space, Add</i>	9.37	
22 11 16 00-0099	EA		3/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	50.28	24.08
			<i>For ASTM 120, Deduct</i>	-2.14	
			<i>For 300 LB Rating, Add</i>	50.58	
			<i>For Work In Restricted Working Space, Add</i>	10.81	
22 11 16 00-0100	EA		1", 150 LB, Galvanized Malleable Iron Reducing Tee.....	62.60	28.40
			<i>For ASTM 120, Deduct</i>	-3.00	
			<i>For 300 LB Rating, Add</i>	70.59	
			<i>For Work In Restricted Working Space, Add</i>	12.78	
22 11 16 00-0101	EA		1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	81.67	33.83
			<i>For ASTM 120, Deduct</i>	-4.65	
			<i>For 300 LB Rating, Add</i>	108.51	
			<i>For Work In Restricted Working Space, Add</i>	15.20	
22 11 16 00-0102	EA		1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	98.76	40.30
			<i>For ASTM 120, Deduct</i>	-5.75	
			<i>For 300 LB Rating, Add</i>	133.88	
			<i>For Work In Restricted Working Space, Add</i>	18.14	
22 11 16 00-0103	EA		2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	130.90	50.04
			<i>For ASTM 120, Deduct</i>	-8.39	
			<i>For 300 LB Rating, Add</i>	194.69	
			<i>For Work In Restricted Working Space, Add</i>	22.49	
22 11 16 00-0104	EA		2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	279.32	54.53
			<i>For ASTM 120, Deduct</i>	-29.64	
			<i>For 300 LB Rating, Add</i>	676.68	
			<i>For Work In Restricted Working Space, Add</i>	24.52	
22 11 16 00-0105	EA		3", 150 LB, Galvanized Malleable Iron Reducing Tee.....	356.45	66.82
			<i>For ASTM 120, Deduct</i>	-38.44	
			<i>For 300 LB Rating, Add</i>	877.26	
			<i>For Work In Restricted Working Space, Add</i>	30.06	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0106	EA		4", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	873.38 -111.42 2,533.46 39.17	87.09
	22 11 16 00-0107	EA		5", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,962.36 -271.10 6,154.22 46.51	103.38
	22 11 16 00-0108	EA		6", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,131.43 -293.14 6,655.08 53.15	118.18
	22 11 16 00-0109	EA		8", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,560.07 -353.45 8,023.71 61.13	135.70
<b>22 11 16 00-0110 Galvanized Malleable Iron Couplings (22 11 16 00-0013)</b>						
	22 11 16 00-0111	EA		1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.68 -0.70 17.45 7.50	16.68
	22 11 16 00-0112	EA		3/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.37 -0.81 20.04 8.39	18.65
	22 11 16 00-0113	EA		1", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.09 -1.33 31.96 9.37	20.80
	22 11 16 00-0114	EA		1-1/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.85 -1.87 44.59 10.61	23.62
	22 11 16 00-0115	EA		1-1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	54.06 -2.13 50.64 11.96	26.61
	22 11 16 00-0116	EA		2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.40 -3.11 73.59 15.20	33.83
	22 11 16 00-0117	EA		2-1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.48 -9.53 220.47 22.49	50.04
	22 11 16 00-0118	EA		3", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	183.53 -12.73 294.54 29.59	65.79
	22 11 16 00-0119	EA		4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	283.65 -27.05 619.22 31.01	68.92
	22 11 16 00-0120	EA		5", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	615.51 -76.15 1,732.55 32.35	71.93
	22 11 16 00-0121	EA		6", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	691.13 -86.76 1,973.26 33.83	75.21
	22 11 16 00-0122	EA		8", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	814.88 -104.56 2,377.07 35.35	78.59
<b>22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings (22 11 16 00-0013)</b>						
	22 11 16 00-0124	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.68 -0.85 20.85 7.50	16.68
	22 11 16 00-0125	EA		3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.05 -0.91 22.35 8.39	18.65
	22 11 16 00-0126	EA		1", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.37 -1.52 36.32 9.37	20.80
	22 11 16 00-0127	EA		1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.46 -1.97 46.66 10.61	23.62
	22 11 16 00-0128	EA		1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.77 -2.54 59.85 11.96	26.61

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0129	EA		2", 150 LB, Galvanized Malleable Iron Reducing Coupling .....	73.70	33.83
			<i>For ASTM 120, Deduct</i>	-3.46	
			<i>For 300 LB Rating, Add</i>	81.41	
			<i>For Work In Restricted Working Space, Add</i>	15.20	
22 11 16 00-0130	EA		2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling .....	139.28	50.04
			<i>For ASTM 120, Deduct</i>	-9.65	
			<i>For 300 LB Rating, Add</i>	223.19	
			<i>For Work In Restricted Working Space, Add</i>	22.49	
22 11 16 00-0131	EA		3", 150 LB, Galvanized Malleable Iron Reducing Coupling .....	181.13	65.79
			<i>For ASTM 120, Deduct</i>	-12.37	
			<i>For 300 LB Rating, Add</i>	286.38	
			<i>For Work In Restricted Working Space, Add</i>	29.59	
22 11 16 00-0132	EA		4", 150 LB, Galvanized Malleable Iron Reducing Coupling .....	288.29	68.92
			<i>For ASTM 120, Deduct</i>	-27.74	
			<i>For 300 LB Rating, Add</i>	635.00	
			<i>For Work In Restricted Working Space, Add</i>	31.01	
22 11 16 00-0133	EA		5", 150 LB, Galvanized Malleable Iron Reducing Coupling .....	642.24	71.93
			<i>For ASTM 120, Deduct</i>	-80.16	
			<i>For 300 LB Rating, Add</i>	1,823.43	
			<i>For Work In Restricted Working Space, Add</i>	32.35	
22 11 16 00-0134	EA		6", 150 LB, Galvanized Malleable Iron Reducing Coupling .....	721.57	75.21
			<i>For ASTM 120, Deduct</i>	-91.32	
			<i>For 300 LB Rating, Add</i>	2,076.75	
			<i>For Work In Restricted Working Space, Add</i>	33.83	
22 11 16 00-0135	EA		8", 150 LB, Galvanized Malleable Iron Reducing Coupling .....	851.85	78.59
			<i>For ASTM 120, Deduct</i>	-110.10	
			<i>For 300 LB Rating, Add</i>	2,502.77	
			<i>For Work In Restricted Working Space, Add</i>	35.35	
<b>22 11 16 00-0136</b>			<b>Galvanized Malleable Iron Caps (22 11 16 00-0013)</b>		
22 11 16 00-0137	EA		1/2", 150 LB, Galvanized Malleable Iron Cap .....	13.84	7.77
			<i>For ASTM 120, Deduct</i>	-0.32	
			<i>For 300 LB Rating, Add</i>	7.91	
			<i>For Work In Restricted Working Space, Add</i>	3.52	
22 11 16 00-0138	EA		3/4", 150 LB, Galvanized Malleable Iron Cap .....	15.43	8.34
			<i>For ASTM 120, Deduct</i>	-0.44	
			<i>For 300 LB Rating, Add</i>	10.75	
			<i>For Work In Restricted Working Space, Add</i>	3.75	
22 11 16 00-0139	EA		1", 150 LB, Galvanized Malleable Iron Cap .....	18.06	9.65
			<i>For ASTM 120, Deduct</i>	-0.55	
			<i>For 300 LB Rating, Add</i>	13.24	
			<i>For Work In Restricted Working Space, Add</i>	4.33	
22 11 16 00-0140	EA		1-1/4", 150 LB, Galvanized Malleable Iron Cap .....	19.92	10.12
			<i>For ASTM 120, Deduct</i>	-0.72	
			<i>For 300 LB Rating, Add</i>	17.23	
			<i>For Work In Restricted Working Space, Add</i>	4.54	
22 11 16 00-0141	EA		1-1/2", 150 LB, Galvanized Malleable Iron Cap .....	19.61	10.12
			<i>For ASTM 120, Deduct</i>	-0.67	
			<i>For 300 LB Rating, Add</i>	16.17	
			<i>For Work In Restricted Working Space, Add</i>	4.54	
22 11 16 00-0142	EA		2", 150 LB, Galvanized Malleable Iron Cap .....	29.76	13.40
			<i>For ASTM 120, Deduct</i>	-1.44	
			<i>For 300 LB Rating, Add</i>	33.88	
			<i>For Work In Restricted Working Space, Add</i>	6.05	
22 11 16 00-0143	EA		2-1/2", 150 LB, Galvanized Malleable Iron Cap .....	46.56	16.68
			<i>For ASTM 120, Deduct</i>	-3.24	
			<i>For 300 LB Rating, Add</i>	74.84	
			<i>For Work In Restricted Working Space, Add</i>	7.50	
22 11 16 00-0144	EA		3", 150 LB, Galvanized Malleable Iron Cap .....	60.94	20.15
			<i>For ASTM 120, Deduct</i>	-4.61	
			<i>For 300 LB Rating, Add</i>	106.23	
			<i>For Work In Restricted Working Space, Add</i>	9.07	
22 11 16 00-0145	EA		4", 150 LB, Galvanized Malleable Iron Cap .....	92.86	23.65
			<i>For ASTM 120, Deduct</i>	-8.61	
			<i>For 300 LB Rating, Add</i>	197.35	
			<i>For Work In Restricted Working Space, Add</i>	10.63	
22 11 16 00-0146	EA		5", 150 LB, Galvanized Malleable Iron Cap .....	234.90	29.59
			<i>For ASTM 120, Deduct</i>	-28.59	
			<i>For 300 LB Rating, Add</i>	650.73	
			<i>For Work In Restricted Working Space, Add</i>	13.29	
22 11 16 00-0147	EA		6", 150 LB, Galvanized Malleable Iron Cap .....	293.01	35.17
			<i>For ASTM 120, Deduct</i>	-36.03	
			<i>For 300 LB Rating, Add</i>	819.95	
			<i>For Work In Restricted Working Space, Add</i>	15.83	
22 11 16 00-0148	EA		8", 150 LB, Galvanized Malleable Iron Cap .....	370.24	39.29
			<i>For ASTM 120, Deduct</i>	-46.70	
			<i>For 300 LB Rating, Add</i>	1,062.06	
			<i>For Work In Restricted Working Space, Add</i>	17.67	
<b>22 11 16 00-0149</b>			<b>Galvanized Malleable Iron FIP Threaded, Unions (22 11 16 00-0013)</b>		
22 11 16 00-0150	EA		1/2", 150 LB, Galvanized Malleable Iron Union .....	47.57	20.80
			<i>For Work In Restricted Working Space, Add</i>	9.37	
22 11 16 00-0151	EA		3/4", 150 LB, Galvanized Malleable Iron Union .....	54.80	24.08
			<i>For Work In Restricted Working Space, Add</i>	10.81	
22 11 16 00-0152	EA		1", 150 LB, Galvanized Malleable Iron Union .....	67.16	28.40
			<i>For Work In Restricted Working Space, Add</i>	12.78	
22 11 16 00-0153	EA		1-1/4", 150 LB, Galvanized Malleable Iron Union .....	86.17	33.83
			<i>For Work In Restricted Working Space, Add</i>	15.20	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0154	EA			1-1/2", 150 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	103.49 18.14	40.30
22 11 16 00-0155	EA			2", 150 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	124.44 22.49	50.04
22 11 16 00-0156	EA			2-1/2", 150 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	282.53 33.20	73.75
22 11 16 00-0157	EA			3", 150 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	386.16 43.68	96.99
22 11 16 00-0158	EA			1/2", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	64.43 9.37	20.80
22 11 16 00-0159	EA			3/4", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	66.21 10.81	24.08
22 11 16 00-0160	EA			1", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	79.99 12.78	28.40
22 11 16 00-0161	EA			1-1/4", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	107.29 15.20	33.83
22 11 16 00-0162	EA			1-1/2", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	125.66 18.14	40.30
22 11 16 00-0163	EA			2", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	167.04 22.49	50.04
22 11 16 00-0164	EA			2-1/2", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	352.90 33.20	73.75
22 11 16 00-0165	EA			3", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	517.26 43.68	96.99
22 11 16 00-0166	EA			4", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	735.56 45.77	101.69
22 11 16 00-0167	EA			1/2", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	69.06 9.37	20.80
22 11 16 00-0168	EA			3/4", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	77.06 10.81	24.08
22 11 16 00-0169	EA			1", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	97.01 12.78	28.40
22 11 16 00-0170	EA			1-1/4", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	126.53 15.20	33.83
22 11 16 00-0171	EA			1-1/2", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	151.83 18.14	40.30
22 11 16 00-0172	EA			2", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	184.63 22.49	50.04
22 11 16 00-0173	EA			2-1/2", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	416.58 33.20	73.75
22 11 16 00-0174	EA			3", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	662.99 43.68	96.99
22 11 16 00-0175	EA			4", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	1,450.17 45.77	101.69
<b>22 11 16 00-0176</b>				<b>Galvanized Steel Nipples</b> (22 11 16 00-0013) Note: ASTM A-53.		
22 11 16 00-0177	EA			3/8" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.33 2.21 -0.29 4.02	8.90
22 11 16 00-0178	EA			1/2" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.96 1.79 -0.24 4.02	8.90
22 11 16 00-0179	EA			3/4" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.29 2.17 -0.29 4.02	8.90
22 11 16 00-0180	EA			1" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.03 2.98 -0.39 4.33	9.65
22 11 16 00-0181	EA			1-1/4" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.13 4.00 -0.53 4.69	10.41
22 11 16 00-0182	EA			1-1/2" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.73 4.69 -0.62 4.69	10.41
22 11 16 00-0183	EA			2" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.95 6.61 -0.87 6.05	13.40
22 11 16 00-0184	EA			2-1/2" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	42.25 19.68 -2.59 7.50	16.68
22 11 16 00-0185	EA			3" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	50.91 23.58 -3.10 9.07	20.15
22 11 16 00-0186	EA			4" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	66.43 35.33 -4.65 10.63	23.65

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0187	EA		3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	15.61	8.90
			<i>For Schedule 80 Nipples, Add</i>	2.53	
			<i>For ASTM 120, Deduct</i>	-0.33	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0188	EA		1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	15.04	8.90
			<i>For Schedule 80 Nipples, Add</i>	1.88	
			<i>For ASTM 120, Deduct</i>	-0.25	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0189	EA		3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	15.46	8.90
			<i>For Schedule 80 Nipples, Add</i>	2.36	
			<i>For ASTM 120, Deduct</i>	-0.31	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0190	EA		3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	15.61	8.90
			<i>For Schedule 80 Nipples, Add</i>	2.53	
			<i>For ASTM 120, Deduct</i>	-0.33	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0191	EA		1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	15.04	8.90
			<i>For Schedule 80 Nipples, Add</i>	1.88	
			<i>For ASTM 120, Deduct</i>	-0.25	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0192	EA		3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	15.46	8.90
			<i>For Schedule 80 Nipples, Add</i>	2.36	
			<i>For ASTM 120, Deduct</i>	-0.31	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0193	EA		1" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	17.50	9.65
			<i>For Schedule 80 Nipples, Add</i>	3.51	
			<i>For ASTM 120, Deduct</i>	-0.46	
			<i>For Work In Restricted Working Space, Add</i>	4.33	
22 11 16 00-0194	EA		1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	19.38	10.41
			<i>For Schedule 80 Nipples, Add</i>	4.29	
			<i>For ASTM 120, Deduct</i>	-0.56	
			<i>For Work In Restricted Working Space, Add</i>	4.69	
22 11 16 00-0195	EA		1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	20.04	10.41
			<i>For Schedule 80 Nipples, Add</i>	5.04	
			<i>For ASTM 120, Deduct</i>	-0.66	
			<i>For Work In Restricted Working Space, Add</i>	4.69	
22 11 16 00-0196	EA		3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	16.36	8.90
			<i>For Schedule 80 Nipples, Add</i>	3.39	
			<i>For ASTM 120, Deduct</i>	-0.45	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0197	EA		1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	15.33	8.90
			<i>For Schedule 80 Nipples, Add</i>	2.21	
			<i>For ASTM 120, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0198	EA		3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	15.68	8.90
			<i>For Schedule 80 Nipples, Add</i>	2.61	
			<i>For ASTM 120, Deduct</i>	-0.34	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0199	EA		1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	17.76	9.65
			<i>For Schedule 80 Nipples, Add</i>	3.81	
			<i>For ASTM 120, Deduct</i>	-0.50	
			<i>For Work In Restricted Working Space, Add</i>	4.33	
22 11 16 00-0200	EA		1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	19.75	10.41
			<i>For Schedule 80 Nipples, Add</i>	4.71	
			<i>For ASTM 120, Deduct</i>	-0.62	
			<i>For Work In Restricted Working Space, Add</i>	4.69	
22 11 16 00-0201	EA		1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	20.54	10.41
			<i>For Schedule 80 Nipples, Add</i>	5.61	
			<i>For ASTM 120, Deduct</i>	-0.74	
			<i>For Work In Restricted Working Space, Add</i>	4.69	
22 11 16 00-0202	EA		2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	26.67	13.40
			<i>For Schedule 80 Nipples, Add</i>	7.43	
			<i>For ASTM 120, Deduct</i>	-0.98	
			<i>For Work In Restricted Working Space, Add</i>	6.05	
22 11 16 00-0203	EA		3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	16.36	8.90
			<i>For Schedule 80 Nipples, Add</i>	3.39	
			<i>For ASTM 120, Deduct</i>	-0.45	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0204	EA		1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	15.33	8.90
			<i>For Schedule 80 Nipples, Add</i>	2.21	
			<i>For ASTM 120, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0205	EA		3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	15.68	8.90
			<i>For Schedule 80 Nipples, Add</i>	2.61	
			<i>For ASTM 120, Deduct</i>	-0.34	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0206	EA		1" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	17.76	9.65
			<i>For Schedule 80 Nipples, Add</i>	3.81	
			<i>For ASTM 120, Deduct</i>	-0.50	
			<i>For Work In Restricted Working Space, Add</i>	4.33	
22 11 16 00-0207	EA		1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	19.75	10.41
			<i>For Schedule 80 Nipples, Add</i>	4.71	
			<i>For ASTM 120, Deduct</i>	-0.62	
			<i>For Work In Restricted Working Space, Add</i>	4.69	
22 11 16 00-0208	EA		1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	20.54	10.41
			<i>For Schedule 80 Nipples, Add</i>	5.61	
			<i>For ASTM 120, Deduct</i>	-0.74	
			<i>For Work In Restricted Working Space, Add</i>	4.69	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0209	EA			2" x 3" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	26.67 7.43 -0.98 6.05	13.40
22 11 16 00-0210	EA			2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	42.90 20.42 -2.69 7.50	16.68
22 11 16 00-0211	EA			3" x 3" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	53.76 26.82 -3.53 9.07	20.15
22 11 16 00-0212	EA			3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.91 4.01 -0.53 4.02	8.90
22 11 16 00-0213	EA			1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.78 2.72 -0.36 4.02	8.90
22 11 16 00-0214	EA			3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.36 3.39 -0.45 4.02	8.90
22 11 16 00-0215	EA			1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.43 4.57 -0.60 4.33	9.65
22 11 16 00-0216	EA			1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.54 5.61 -0.74 4.69	10.41
22 11 16 00-0217	EA			1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.84 7.09 -0.93 4.69	10.41
22 11 16 00-0218	EA			2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.07 9.03 -1.19 6.05	13.40
22 11 16 00-0219	EA			2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	45.79 23.71 -3.12 7.50	16.68
22 11 16 00-0220	EA			3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	57.83 31.46 -4.14 9.07	20.15
22 11 16 00-0221	EA			3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.91 4.01 -0.53 4.02	8.90
22 11 16 00-0222	EA			1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.78 2.72 -0.36 4.02	8.90
22 11 16 00-0223	EA			3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.91 4.01 -0.53 4.02	8.90
22 11 16 00-0224	EA			1" x 4" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.43 4.57 -0.60 4.33	9.65
22 11 16 00-0225	EA			1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.54 5.61 -0.74 4.69	10.41
22 11 16 00-0226	EA			1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.84 7.09 -0.93 4.69	10.41
22 11 16 00-0227	EA			2" x 4" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.14 9.11 -1.20 6.05	13.40
22 11 16 00-0228	EA			2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	45.79 23.71 -3.12 7.50	16.68
22 11 16 00-0229	EA			3" x 4" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	57.83 31.46 -4.14 9.07	20.15
22 11 16 00-0230	EA			4" x 4" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	72.50 42.25 -5.56 10.63	23.65

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0231	EA		3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	18.24	8.90
			<i>For Schedule 80 Nipples, Add</i>	5.53	
			<i>For ASTM 120, Deduct</i>	-0.73	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0232	EA		1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	16.27	8.90
			<i>For Schedule 80 Nipples, Add</i>	3.28	
			<i>For ASTM 120, Deduct</i>	-0.43	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0233	EA		3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	16.93	8.90
			<i>For Schedule 80 Nipples, Add</i>	4.04	
			<i>For ASTM 120, Deduct</i>	-0.53	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0234	EA		1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	19.34	9.65
			<i>For Schedule 80 Nipples, Add</i>	5.61	
			<i>For ASTM 120, Deduct</i>	-0.74	
			<i>For Work In Restricted Working Space, Add</i>	4.33	
22 11 16 00-0235	EA		1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	21.70	10.41
			<i>For Schedule 80 Nipples, Add</i>	6.93	
			<i>For ASTM 120, Deduct</i>	-0.91	
			<i>For Work In Restricted Working Space, Add</i>	4.69	
22 11 16 00-0236	EA		1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	23.14	10.41
			<i>For Schedule 80 Nipples, Add</i>	8.57	
			<i>For ASTM 120, Deduct</i>	-1.13	
			<i>For Work In Restricted Working Space, Add</i>	4.69	
22 11 16 00-0237	EA		2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	30.26	13.40
			<i>For Schedule 80 Nipples, Add</i>	11.53	
			<i>For ASTM 120, Deduct</i>	-1.52	
			<i>For Work In Restricted Working Space, Add</i>	6.05	
22 11 16 00-0238	EA		2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	48.18	16.68
			<i>For Schedule 80 Nipples, Add</i>	26.44	
			<i>For ASTM 120, Deduct</i>	-3.48	
			<i>For Work In Restricted Working Space, Add</i>	7.50	
22 11 16 00-0239	EA		3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	62.40	20.15
			<i>For Schedule 80 Nipples, Add</i>	36.67	
			<i>For ASTM 120, Deduct</i>	-4.83	
			<i>For Work In Restricted Working Space, Add</i>	9.07	
22 11 16 00-0240	EA		4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	77.00	23.65
			<i>For Schedule 80 Nipples, Add</i>	47.38	
			<i>For ASTM 120, Deduct</i>	-6.23	
			<i>For Work In Restricted Working Space, Add</i>	10.63	
22 11 16 00-0241	EA		3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	18.24	8.90
			<i>For Schedule 80 Nipples, Add</i>	5.53	
			<i>For ASTM 120, Deduct</i>	-0.73	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0242	EA		1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	16.27	8.90
			<i>For Schedule 80 Nipples, Add</i>	3.28	
			<i>For ASTM 120, Deduct</i>	-0.43	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0243	EA		3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	16.93	8.90
			<i>For Schedule 80 Nipples, Add</i>	4.04	
			<i>For ASTM 120, Deduct</i>	-0.53	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0244	EA		1" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	19.34	9.65
			<i>For Schedule 80 Nipples, Add</i>	5.61	
			<i>For ASTM 120, Deduct</i>	-0.74	
			<i>For Work In Restricted Working Space, Add</i>	4.33	
22 11 16 00-0245	EA		1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	21.70	10.41
			<i>For Schedule 80 Nipples, Add</i>	6.93	
			<i>For ASTM 120, Deduct</i>	-0.91	
			<i>For Work In Restricted Working Space, Add</i>	4.69	
22 11 16 00-0246	EA		1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	23.14	10.41
			<i>For Schedule 80 Nipples, Add</i>	8.57	
			<i>For ASTM 120, Deduct</i>	-1.13	
			<i>For Work In Restricted Working Space, Add</i>	4.69	
22 11 16 00-0247	EA		2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	30.26	13.40
			<i>For Schedule 80 Nipples, Add</i>	11.53	
			<i>For ASTM 120, Deduct</i>	-1.52	
			<i>For Work In Restricted Working Space, Add</i>	6.05	
22 11 16 00-0248	EA		2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	48.18	16.68
			<i>For Schedule 80 Nipples, Add</i>	26.44	
			<i>For ASTM 120, Deduct</i>	-3.48	
			<i>For Work In Restricted Working Space, Add</i>	7.50	
22 11 16 00-0249	EA		3" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	62.40	20.15
			<i>For Schedule 80 Nipples, Add</i>	36.67	
			<i>For ASTM 120, Deduct</i>	-4.83	
			<i>For Work In Restricted Working Space, Add</i>	9.07	
22 11 16 00-0250	EA		4" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	77.00	23.65
			<i>For Schedule 80 Nipples, Add</i>	47.38	
			<i>For ASTM 120, Deduct</i>	-6.23	
			<i>For Work In Restricted Working Space, Add</i>	10.63	
22 11 16 00-0251	EA		3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	18.78	8.90
			<i>For Schedule 80 Nipples, Add</i>	6.14	
			<i>For ASTM 120, Deduct</i>	-0.81	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0252	EA		1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	16.66	8.90
			<i>For Schedule 80 Nipples, Add</i>	3.73	
			<i>For ASTM 120, Deduct</i>	-0.49	
			<i>For Work In Restricted Working Space, Add</i>	4.02	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0253	EA			3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.64 4.85 -0.64 4.02	8.90
22 11 16 00-0254	EA			1" x 6" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.00 6.36 -0.84 4.33	9.65
22 11 16 00-0255	EA			1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.68 8.05 -1.06 4.69	10.41
22 11 16 00-0256	EA			1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.08 9.64 -1.27 4.69	10.41
22 11 16 00-0257	EA			2" x 6" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	31.90 13.40 -1.76 6.05	13.40
22 11 16 00-0258	EA			2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	50.47 29.05 -3.82 7.50	16.68
22 11 16 00-0259	EA			3" x 6" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	64.26 38.79 -5.10 9.07	20.15
22 11 16 00-0260	EA			4" x 6" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	81.38 52.37 -6.89 10.63	23.65
22 11 16 00-0261	EA			3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	34.94 24.57 -3.23 4.02	8.90
22 11 16 00-0262	EA			1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.15 6.57 -0.86 4.02	8.90
22 11 16 00-0263	EA			3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.75 8.39 -1.10 4.02	8.90
22 11 16 00-0264	EA			1" x 8" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.76 10.65 -1.40 4.33	9.65
22 11 16 00-0265	EA			1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	27.06 13.04 -1.72 4.69	10.41
22 11 16 00-0266	EA			1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.75 14.97 -1.97 4.69	10.41
22 11 16 00-0267	EA			2" x 8" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	39.29 21.82 -2.87 6.05	13.40
22 11 16 00-0268	EA			2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	57.79 37.39 -4.92 7.50	16.68
22 11 16 00-0269	EA			3" x 8" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	76.07 52.26 -6.88 9.07	20.15
22 11 16 00-0270	EA			4" x 8" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	90.26 62.49 -8.22 10.63	23.65
22 11 16 00-0271	EA			3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.67 11.72 -1.54 4.02	8.90
22 11 16 00-0272	EA			1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.23 7.80 -1.03 4.02	8.90
22 11 16 00-0273	EA			3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.56 9.31 -1.23 4.02	8.90
22 11 16 00-0274	EA			1" x 10" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.09 12.16 -1.60 4.33	9.65

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0275	EA		1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	29.30	10.41
			<i>For Schedule 80 Nipples, Add</i>	15.60	
			<i>For ASTM 120, Deduct</i>	-2.05	
			<i>For Work In Restricted Working Space, Add</i>	4.69	
22 11 16 00-0276	EA		1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	30.92	10.41
			<i>For Schedule 80 Nipples, Add</i>	17.44	
			<i>For ASTM 120, Deduct</i>	-2.30	
			<i>For Work In Restricted Working Space, Add</i>	4.69	
22 11 16 00-0277	EA		2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	42.55	13.40
			<i>For Schedule 80 Nipples, Add</i>	25.54	
			<i>For ASTM 120, Deduct</i>	-3.36	
			<i>For Work In Restricted Working Space, Add</i>	6.05	
22 11 16 00-0278	EA		2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	62.37	16.68
			<i>For Schedule 80 Nipples, Add</i>	42.61	
			<i>For ASTM 120, Deduct</i>	-5.61	
			<i>For Work In Restricted Working Space, Add</i>	7.50	
22 11 16 00-0279	EA		3" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	82.52	20.15
			<i>For Schedule 80 Nipples, Add</i>	59.61	
			<i>For ASTM 120, Deduct</i>	-7.84	
			<i>For Work In Restricted Working Space, Add</i>	9.07	
22 11 16 00-0280	EA		4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	98.98	23.65
			<i>For Schedule 80 Nipples, Add</i>	72.44	
			<i>For ASTM 120, Deduct</i>	-9.53	
			<i>For Work In Restricted Working Space, Add</i>	10.63	
22 11 16 00-0281	EA		3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	24.78	8.90
			<i>For Schedule 80 Nipples, Add</i>	12.98	
			<i>For ASTM 120, Deduct</i>	-1.71	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0282	EA		1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	21.18	8.90
			<i>For Schedule 80 Nipples, Add</i>	8.88	
			<i>For ASTM 120, Deduct</i>	-1.17	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0283	EA		3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	22.56	8.90
			<i>For Schedule 80 Nipples, Add</i>	10.45	
			<i>For ASTM 120, Deduct</i>	-1.38	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0284	EA		1" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	26.84	9.65
			<i>For Schedule 80 Nipples, Add</i>	14.16	
			<i>For ASTM 120, Deduct</i>	-1.86	
			<i>For Work In Restricted Working Space, Add</i>	4.33	
22 11 16 00-0285	EA		1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	32.05	10.41
			<i>For Schedule 80 Nipples, Add</i>	18.73	
			<i>For ASTM 120, Deduct</i>	-2.46	
			<i>For Work In Restricted Working Space, Add</i>	4.69	
22 11 16 00-0286	EA		1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	33.13	10.41
			<i>For Schedule 80 Nipples, Add</i>	19.96	
			<i>For ASTM 120, Deduct</i>	-2.63	
			<i>For Work In Restricted Working Space, Add</i>	4.69	
22 11 16 00-0287	EA		2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	45.85	13.40
			<i>For Schedule 80 Nipples, Add</i>	29.30	
			<i>For ASTM 120, Deduct</i>	-3.86	
			<i>For Work In Restricted Working Space, Add</i>	6.05	
22 11 16 00-0288	EA		2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	66.82	16.68
			<i>For Schedule 80 Nipples, Add</i>	47.69	
			<i>For ASTM 120, Deduct</i>	-6.27	
			<i>For Work In Restricted Working Space, Add</i>	7.50	
22 11 16 00-0289	EA		3" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	89.03	20.15
			<i>For Schedule 80 Nipples, Add</i>	67.03	
			<i>For ASTM 120, Deduct</i>	-8.82	
			<i>For Work In Restricted Working Space, Add</i>	9.07	
22 11 16 00-0290	EA		4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	107.77	23.65
			<i>For Schedule 80 Nipples, Add</i>	82.46	
			<i>For ASTM 120, Deduct</i>	-10.85	
			<i>For Work In Restricted Working Space, Add</i>	10.63	
22 11 16 00-0291			<b>Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)</b>		
22 11 16 00-0292	EA		1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	15.50	6.66
			<i>For 300 LB Rating, Add</i>	19.30	
			<i>For Work In Restricted Working Space, Add</i>	3.00	
22 11 16 00-0293	EA		3/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	16.69	7.49
			<i>For 300 LB Rating, Add</i>	19.37	
			<i>For Work In Restricted Working Space, Add</i>	3.36	
22 11 16 00-0294	EA		1", 150 LB, Galvanized Malleable Iron Square Head Plug.....	18.53	8.34
			<i>For 300 LB Rating, Add</i>	21.29	
			<i>For Work In Restricted Working Space, Add</i>	3.75	
22 11 16 00-0295	EA		1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	23.42	9.47
			<i>For 300 LB Rating, Add</i>	32.40	
			<i>For Work In Restricted Working Space, Add</i>	4.24	
22 11 16 00-0296	EA		1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	28.45	10.59
			<i>For 300 LB Rating, Add</i>	43.46	
			<i>For Work In Restricted Working Space, Add</i>	4.79	
22 11 16 00-0297	EA		2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	36.16	13.49
			<i>For 300 LB Rating, Add</i>	55.28	
			<i>For Work In Restricted Working Space, Add</i>	6.08	
22 11 16 00-0298	EA		2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	61.00	19.96
			<i>For 300 LB Rating, Add</i>	107.23	
			<i>For Work In Restricted Working Space, Add</i>	9.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0299	EA		3", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i>	83.46 151.97	26.33
			<i>For Work In Restricted Working Space, Add</i>	11.84	
22 11 16 00-0300	EA		4", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i>	132.68 313.04	27.55
			<i>For Work In Restricted Working Space, Add</i>	12.40	
22 11 16 00-0301	EA		5", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i>	210.72 572.36	28.79
			<i>For Work In Restricted Working Space, Add</i>	12.94	
22 11 16 00-0302	EA		6", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i>	226.27 618.68	30.03
			<i>For Work In Restricted Working Space, Add</i>	13.53	
<b>22 11 16 00-0303 Galvanized Malleable Iron Bushing (22 11 16 00-0013)</b>					
22 11 16 00-0304	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	38.65 7.94	17.62
22 11 16 00-0305	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	42.68 8.43	18.75
22 11 16 00-0306	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	43.41 8.88	19.77
22 11 16 00-0307	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	50.57 9.05	20.15
22 11 16 00-0308	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	50.21 9.50	21.09
22 11 16 00-0309	EA		1-1/4" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	51.85 9.99	22.20
22 11 16 00-0310	EA		1-1/2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	59.38 9.73	21.65
22 11 16 00-0311	EA		1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	60.87 10.18	22.59
22 11 16 00-0312	EA		1-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	59.86 10.67	23.71
22 11 16 00-0313	EA		1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	60.04 11.28	25.11
22 11 16 00-0314	EA		2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	71.49 11.35	25.21
22 11 16 00-0315	EA		2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	70.63 11.79	26.24
22 11 16 00-0316	EA		2" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	70.55 12.28	27.27
22 11 16 00-0317	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	72.62 12.90	28.68
22 11 16 00-0318	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	71.23 13.58	30.17
22 11 16 00-0319	EA		2-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	100.19 15.44	34.30
22 11 16 00-0320	EA		2-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	101.81 15.93	35.43
22 11 16 00-0321	EA		2-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	103.88 16.55	36.74
22 11 16 00-0322	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	105.24 17.23	38.33
22 11 16 00-0323	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	105.17 18.84	41.89
22 11 16 00-0324	EA		3" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	127.61 18.99	42.17
22 11 16 00-0325	EA		3" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	129.24 19.48	43.29
22 11 16 00-0326	EA		3" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	131.30 20.10	44.70
22 11 16 00-0327	EA		3" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	132.30 20.78	46.19
22 11 16 00-0328	EA		3" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	131.80 22.40	49.76
22 11 16 00-0329	EA		3" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	147.27 26.04	57.91
22 11 16 00-0330	EA		4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	199.66 19.47	43.23
22 11 16 00-0331	EA		4" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	201.20 19.93	44.29
22 11 16 00-0332	EA		4" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	203.15 20.52	45.62
22 11 16 00-0333	EA		4" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	205.29 21.16	47.04
22 11 16 00-0334	EA		4" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	194.51 22.69	50.41
22 11 16 00-0335	EA		4" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	221.87 26.13	58.11
22 11 16 00-0336	EA		4" x 3", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	224.15 29.49	65.55
<b>22 11 16 00-0337 Galvanized Malleable Iron Floor Flange (22 11 16 00-0013)</b>					
Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0001 for anchors.					
22 11 16 00-0338	EA		1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	57.20	34.25
22 11 16 00-0339	EA		3/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	62.54	37.48
22 11 16 00-0340	EA		1", 150 LB, Galvanized Malleable Iron Floor Flange.....	71.73	42.35

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0341	EA		1-1/4", 150 LB, Galvanized Malleable Iron Floor Flange .....	74.52	43.86
22 11 16 00-0342	EA		1-1/2", 150 LB, Galvanized Malleable Iron Floor Flange .....	81.10	47.70
22 11 16 00-0343	EA		2", 150 LB, Galvanized Malleable Iron Floor Flange .....	87.13	49.76
<b>22 11 16 00-0344</b>			<b>Galvanized Cast Iron Flanges</b> <small>(22 11 16 00-0013)</small>		
			Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
22 11 16 00-0345	EA		3/4", 125 LB, Galvanized Cast Iron Flange .....	105.42	37.48
			<i>For Work In Restricted Working Space, Add</i>	16.87	
22 11 16 00-0346	EA		1", 125 LB, Galvanized Cast Iron Flange .....	101.61	42.35
			<i>For Work In Restricted Working Space, Add</i>	19.06	
22 11 16 00-0347	EA		1-1/4", 125 LB, Galvanized Cast Iron Flange .....	85.88	43.86
			<i>For Work In Restricted Working Space, Add</i>	19.73	
22 11 16 00-0348	EA		1-1/2", 125 LB, Galvanized Cast Iron Flange .....	116.28	47.70
			<i>For Work In Restricted Working Space, Add</i>	21.46	
22 11 16 00-0349	EA		2", 125 LB, Galvanized Cast Iron Flange .....	114.00	49.76
			<i>For Work In Restricted Working Space, Add</i>	22.40	
22 11 16 00-0350	EA		2-1/2", 125 LB, Galvanized Cast Iron Flange .....	132.37	57.63
			<i>For Work In Restricted Working Space, Add</i>	25.91	
22 11 16 00-0351	EA		3", 125 LB, Galvanized Cast Iron Flange .....	233.86	73.09
			<i>For Work In Restricted Working Space, Add</i>	32.87	
22 11 16 00-0352	EA		4", 125 LB, Galvanized Cast Iron Flange .....	310.98	94.53
			<i>For Work In Restricted Working Space, Add</i>	42.51	
22 11 16 00-0353	EA		5", 125 LB, Galvanized Cast Iron Flange .....	434.45	112.51
			<i>For Work In Restricted Working Space, Add</i>	50.61	
22 11 16 00-0354	EA		6", 125 LB, Galvanized Cast Iron Flange .....	477.85	129.25
			<i>For Work In Restricted Working Space, Add</i>	58.14	
22 11 16 00-0355	EA		8", 125 LB, Galvanized Cast Iron Flange .....	443.56	147.72
			<i>For Work In Restricted Working Space, Add</i>	66.44	
<b>22 11 16 00-0356</b>			<b>Cut And Thread Existing In-Place Galvanized Steel Pipe</b> <small>(22 11 16 00-0013)</small>		
			Note: For use when connecting pipe to an existing in-place system.		
22 11 16 00-0357	EA		1/2", Cut And Thread Existing In Place Galvanized Steel Pipe .....	30.53	
			<i>For Work In Restricted Working Space, Add</i>	9.16	
22 11 16 00-0358	EA		3/4", Cut And Thread Existing In Place Galvanized Steel Pipe .....	33.58	
			<i>For Work In Restricted Working Space, Add</i>	10.07	
22 11 16 00-0359	EA		1", Cut And Thread Existing In Place Galvanized Steel Pipe .....	36.63	
			<i>For Work In Restricted Working Space, Add</i>	10.99	
22 11 16 00-0360	EA		1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe .....	39.68	
			<i>For Work In Restricted Working Space, Add</i>	11.90	
22 11 16 00-0361	EA		1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe .....	41.71	
			<i>For Work In Restricted Working Space, Add</i>	12.51	
22 11 16 00-0362	EA		2", Cut And Thread Existing In Place Galvanized Steel Pipe .....	43.75	
			<i>For Work In Restricted Working Space, Add</i>	13.13	
22 11 16 00-0363	EA		2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe .....	45.79	
			<i>For Work In Restricted Working Space, Add</i>	13.74	
22 11 16 00-0364	EA		3", Cut And Thread Existing In Place Galvanized Steel Pipe .....	47.82	
			<i>For Work In Restricted Working Space, Add</i>	14.35	
22 11 16 00-0365	EA		4", Cut And Thread Existing In Place Galvanized Steel Pipe .....	49.86	
			<i>For Work In Restricted Working Space, Add</i>	14.96	
22 11 16 00-0366	EA		6", Cut And Thread Existing In Place Galvanized Steel Pipe .....	53.92	
			<i>For Work In Restricted Working Space, Add</i>	16.18	
22 11 16 00-0367	EA		8", Cut And Thread Existing In Place Galvanized Steel Pipe .....	57.99	
			<i>For Work In Restricted Working Space, Add</i>	17.40	
<b>22 11 16 00-0368</b>			<b>Copper Pipe And Fittings</b> <small>(22 11 16)</small>		
			Note: Excludes hangers. See CSI section 22 11 16 00-0899 for pipe with fittings assembly.		
<b>22 11 16 00-0369</b>			<b>Copper Tube/Pipe</b> <small>(22 11 16 00-0368)</small>		
			Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
<b>22 11 16 00-0370</b>			<b>Hard Drawn Type L Copper Tube/Pipe</b> <small>(22 11 16 00-0369)</small>		
22 11 16 00-0371	LF		1/4" Hard Drawn Type L Copper Tube/Pipe .....	4.67	2.29
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.10	
			<i>For &lt;20, Add</i>	0.12	
			<i>For &gt;150, Deduct</i>	-0.25	
			<i>For Work In Restricted Working Space, Add</i>	1.03	
22 11 16 00-0372	LF		3/8" Hard Drawn Type L Copper Tube/Pipe .....	5.39	2.38
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.14	
			<i>For &lt;20, Add</i>	0.18	
			<i>For &gt;150, Deduct</i>	-0.36	
			<i>For Work In Restricted Working Space, Add</i>	1.07	
22 11 16 00-0373	LF		1/2" Hard Drawn Type L Copper Tube/Pipe .....	5.89	2.48
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.17	
			<i>For &lt;20, Add</i>	0.22	
			<i>For &gt;150, Deduct</i>	-0.43	
			<i>For Work In Restricted Working Space, Add</i>	1.12	
22 11 16 00-0374	LF		3/4" Hard Drawn Type L Copper Tube/Pipe .....	7.46	2.63
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.28	
			<i>For &lt;20, Add</i>	0.35	
			<i>For &gt;150, Deduct</i>	-0.70	
			<i>For Work In Restricted Working Space, Add</i>	1.19	
22 11 16 00-0375	LF		1" Hard Drawn Type L Copper Tube/Pipe .....	9.52	2.96
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.41	
			<i>For &lt;20, Add</i>	0.51	
			<i>For &gt;150, Deduct</i>	-1.02	
			<i>For Work In Restricted Working Space, Add</i>	1.33	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0376	LF			1-1/4" Hard Drawn Type L Copper Tube/Pipe.....	13.60	4.40
				For Medical/Oxygen Service Tubing, Add	0.56	
				For <20, Add	0.70	
				For >150, Deduct	-1.40	
				For Work In Restricted Working Space, Add	1.98	
22 11 16 00-0377	LF			1-1/2" Hard Drawn Type L Copper Tube/Pipe.....	16.38	4.92
				For Medical/Oxygen Service Tubing, Add	0.72	
				For <20, Add	0.90	
				For >150, Deduct	-1.80	
				For Work In Restricted Working Space, Add	2.21	
22 11 16 00-0378	LF			2" Hard Drawn Type L Copper Tube/Pipe.....	23.34	6.07
				For Medical/Oxygen Service Tubing, Add	1.14	
				For <20, Add	1.43	
				For >150, Deduct	-2.85	
				For Work In Restricted Working Space, Add	2.73	
22 11 16 00-0379	LF			2-1/2" Hard Drawn Type L Copper Tube/Pipe.....	42.00	7.13
				For Medical/Oxygen Service Tubing, Add	1.65	
				For <20, Add	2.06	
				For >150, Deduct	-4.12	
				For Work In Restricted Working Space, Add	6.43	
22 11 16 00-0380	LF			3" Hard Drawn Type L Copper Tube/Pipe.....	52.65	8.41
				For Medical/Oxygen Service Tubing, Add	2.20	
				For <20, Add	2.75	
				For >150, Deduct	-5.49	
				For Work In Restricted Working Space, Add	7.56	
22 11 16 00-0381	LF			4" Hard Drawn Type L Copper Tube/Pipe.....	77.37	9.48
				For Medical/Oxygen Service Tubing, Add	3.92	
				For <20, Add	4.89	
				For >150, Deduct	-9.79	
				For Work In Restricted Working Space, Add	8.53	
22 11 16 00-0382	LF			5" Hard Drawn Type L Copper Tube/Pipe.....	119.10	10.89
				For Medical/Oxygen Service Tubing, Add	6.92	
				For <20, Add	8.64	
				For >150, Deduct	-17.29	
				For Work In Restricted Working Space, Add	9.80	
22 11 16 00-0383	LF			6" Hard Drawn Type L Copper Tube/Pipe.....	164.32	16.88
				For Medical/Oxygen Service Tubing, Add	9.10	
				For <20, Add	11.37	
				For >150, Deduct	-22.74	
				For Work In Restricted Working Space, Add	15.18	
22 11 16 00-0384	LF			8" Hard Drawn Type L Copper Tube/Pipe.....	270.58	18.76
				For Medical/Oxygen Service Tubing, Add	17.15	
				For <20, Add	21.43	
				For >150, Deduct	-42.86	
				For Work In Restricted Working Space, Add	16.88	
<b>22 11 16 00-0385</b>				<b>Hard Drawn Type K Copper Tube/Pipe</b> <small>(22 11 16 00-0369)</small>		
22 11 16 00-0386	LF			1/4" Hard Drawn Type K Copper Tube/Pipe.....	5.08	2.46
				For Medical/Oxygen Service Tubing, Add	0.11	
				For <20, Add	0.14	
				For >150, Deduct	-0.28	
				For Work In Restricted Working Space, Add	1.11	
22 11 16 00-0387	LF			3/8" Hard Drawn Type K Copper Tube/Pipe.....	6.71	2.56
				For Medical/Oxygen Service Tubing, Add	0.20	
				For <20, Add	0.25	
				For >150, Deduct	-0.50	
				For Work In Restricted Working Space, Add	1.26	
22 11 16 00-0388	LF			1/2" Hard Drawn Type K Copper Tube/Pipe.....	7.05	2.67
				For Medical/Oxygen Service Tubing, Add	0.24	
				For <20, Add	0.29	
				For >150, Deduct	-0.59	
				For Work In Restricted Working Space, Add	1.23	
22 11 16 00-0389	LF			3/4" Hard Drawn Type K Copper Tube/Pipe.....	10.06	2.83
				For Medical/Oxygen Service Tubing, Add	0.42	
				For <20, Add	0.53	
				For >150, Deduct	-1.06	
				For Work In Restricted Working Space, Add	1.43	
22 11 16 00-0390	LF			1" Hard Drawn Type K Copper Tube/Pipe.....	12.11	3.18
				For Medical/Oxygen Service Tubing, Add	0.56	
				For <20, Add	0.70	
				For >150, Deduct	-1.41	
				For Work In Restricted Working Space, Add	1.52	
22 11 16 00-0391	LF			1-1/4" Hard Drawn Type K Copper Tube/Pipe.....	15.95	4.73
				For Medical/Oxygen Service Tubing, Add	0.70	
				For <20, Add	0.88	
				For >150, Deduct	-1.75	
				For Work In Restricted Working Space, Add	2.16	
22 11 16 00-0392	LF			1-1/2" Hard Drawn Type K Copper Tube/Pipe.....	19.30	5.28
				For Medical/Oxygen Service Tubing, Add	0.90	
				For <20, Add	1.12	
				For >150, Deduct	-2.25	
				For Work In Restricted Working Space, Add	2.42	
22 11 16 00-0393	LF			2" Hard Drawn Type K Copper Tube/Pipe.....	27.14	6.52
				For Medical/Oxygen Service Tubing, Add	1.38	
				For <20, Add	1.73	
				For >150, Deduct	-3.45	
				For Work In Restricted Working Space, Add	2.97	

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0394	LF		2-1/2" Hard Drawn Type K Copper Tube/Pipe .....	47.23	7.66
			For Medical/Oxygen Service Tubing, Add	2.06	
			For <20, Add	2.57	
			For >150, Deduct	-5.14	
			For Work In Restricted Working Space, Add	6.46	
22 11 16 00-0395	LF		3" Hard Drawn Type K Copper Tube/Pipe .....	62.87	9.04
			For Medical/Oxygen Service Tubing, Add	2.81	
			For <20, Add	3.51	
			For >150, Deduct	-7.03	
			For Work In Restricted Working Space, Add	8.32	
22 11 16 00-0396	LF		4" Hard Drawn Type K Copper Tube/Pipe .....	94.06	10.19
			For Medical/Oxygen Service Tubing, Add	5.01	
			For <20, Add	6.26	
			For >150, Deduct	-12.53	
			For Work In Restricted Working Space, Add	9.43	
22 11 16 00-0397	LF		5" Hard Drawn Type K Copper Tube/Pipe .....	151.86	11.71
			For Medical/Oxygen Service Tubing, Add	9.18	
			For <20, Add	11.48	
			For >150, Deduct	-22.96	
			For Work In Restricted Working Space, Add	11.12	
22 11 16 00-0398	LF		6" Hard Drawn Type K Copper Tube/Pipe .....	224.48	18.14
			For Medical/Oxygen Service Tubing, Add	13.18	
			For <20, Add	16.47	
			For >150, Deduct	-32.94	
			For Work In Restricted Working Space, Add	17.93	
22 11 16 00-0399	LF		8" Hard Drawn Type K Copper Tube/Pipe .....	374.27	20.17
			For Medical/Oxygen Service Tubing, Add	24.67	
			For <20, Add	30.84	
			For >150, Deduct	-61.68	
			For Work In Restricted Working Space, Add	19.76	
<b>22 11 16 00-0400</b>			<b>Hard Drawn Type M Copper Tube/Pipe</b> (22 11 16 00-0369)		
22 11 16 00-0401	LF		3/8" Hard Drawn Type M Copper Tube/Pipe .....	4.50	2.15
			For <20, Add	0.14	
			For >150, Deduct	-0.28	
			For Work In Restricted Working Space, Add	0.93	
22 11 16 00-0402	LF		1/2" Hard Drawn Type M Copper Tube/Pipe .....	4.78	2.24
			For <20, Add	0.16	
			For >150, Deduct	-0.32	
			For Work In Restricted Working Space, Add	0.96	
22 11 16 00-0403	LF		3/4" Hard Drawn Type M Copper Tube/Pipe .....	5.97	2.37
			For <20, Add	0.26	
			For >150, Deduct	-0.51	
			For Work In Restricted Working Space, Add	1.02	
22 11 16 00-0404	LF		1" Hard Drawn Type M Copper Tube/Pipe .....	7.76	2.67
			For <20, Add	0.40	
			For >150, Deduct	-0.79	
			For Work In Restricted Working Space, Add	1.14	
22 11 16 00-0405	LF		1-1/4" Hard Drawn Type M Copper Tube/Pipe .....	11.63	3.97
			For <20, Add	0.58	
			For >150, Deduct	-1.16	
			For Work In Restricted Working Space, Add	1.76	
22 11 16 00-0406	LF		1-1/2" Hard Drawn Type M Copper Tube/Pipe .....	14.69	4.42
			For <20, Add	0.80	
			For >150, Deduct	-1.59	
			For Work In Restricted Working Space, Add	2.02	
22 11 16 00-0407	LF		2" Hard Drawn Type M Copper Tube/Pipe .....	20.87	5.45
			For <20, Add	1.25	
			For >150, Deduct	-2.51	
			For Work In Restricted Working Space, Add	2.50	
22 11 16 00-0408	LF		2-1/2" Hard Drawn Type M Copper Tube/Pipe .....	38.43	6.42
			For <20, Add	1.82	
			For >150, Deduct	-3.64	
			For Work In Restricted Working Space, Add	6.07	
22 11 16 00-0409	LF		3" Hard Drawn Type M Copper Tube/Pipe .....	46.92	7.56
			For <20, Add	2.42	
			For >150, Deduct	-4.84	
			For Work In Restricted Working Space, Add	6.82	
22 11 16 00-0410	LF		4" Hard Drawn Type M Copper Tube/Pipe .....	71.83	8.54
			For <20, Add	4.53	
			For >150, Deduct	-9.06	
			For Work In Restricted Working Space, Add	7.96	
22 11 16 00-0411	LF		5" Hard Drawn Type M Copper Tube/Pipe .....	118.58	9.80
			For <20, Add	8.80	
			For >150, Deduct	-17.59	
			For Work In Restricted Working Space, Add	9.19	
22 11 16 00-0412	LF		6" Hard Drawn Type M Copper Tube/Pipe .....	164.93	15.19
			For <20, Add	11.75	
			For >150, Deduct	-23.50	
			For Work In Restricted Working Space, Add	14.23	
22 11 16 00-0413	LF		8" Hard Drawn Type M Copper Tube/Pipe .....	274.83	16.89
			For <20, Add	22.27	
			For >150, Deduct	-44.53	
			For Work In Restricted Working Space, Add	15.65	
<b>22 11 16 00-0414</b>			<b>Soft Drawn Type L Copper Tube</b> (22 11 16 00-0369)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0415 LF 1/4" Soft Drawn Type L Copper Tube .....	5.03	2.29
<i>For &lt;20, Add</i>	0.16	
<i>For &gt;150, Deduct</i>	-0.32	
<i>For Work In Restricted Working Space, Add</i>	1.03	
22 11 16 00-0416 LF 3/8" Soft Drawn Type L Copper Tube .....	6.06	2.38
<i>For &lt;20, Add</i>	0.25	
<i>For &gt;150, Deduct</i>	-0.50	
<i>For Work In Restricted Working Space, Add</i>	1.07	
22 11 16 00-0417 LF 1/2" Soft Drawn Type L Copper Tube .....	7.06	2.48
<i>For &lt;20, Add</i>	0.33	
<i>For &gt;150, Deduct</i>	-0.67	
<i>For Work In Restricted Working Space, Add</i>	1.12	
22 11 16 00-0418 LF 5/8" Soft Drawn Type L Copper Tube .....	8.12	2.56
<i>For &lt;20, Add</i>	0.43	
<i>For &gt;150, Deduct</i>	-0.86	
<i>For Work In Restricted Working Space, Add</i>	1.15	
22 11 16 00-0419 LF 3/4" Soft Drawn Type L Copper Tube .....	9.05	2.63
<i>For &lt;20, Add</i>	0.51	
<i>For &gt;150, Deduct</i>	-1.02	
<i>For Work In Restricted Working Space, Add</i>	1.19	
22 11 16 00-0420 LF 1" Soft Drawn Type L Copper Tube .....	11.50	2.96
<i>For &lt;20, Add</i>	0.71	
<i>For &gt;150, Deduct</i>	-1.41	
<i>For Work In Restricted Working Space, Add</i>	1.33	
22 11 16 00-0421 LF 1-1/4" Soft Drawn Type L Copper Tube .....	15.90	4.40
<i>For &lt;20, Add</i>	0.93	
<i>For &gt;150, Deduct</i>	-1.86	
<i>For Work In Restricted Working Space, Add</i>	1.98	
22 11 16 00-0422 LF 1-1/2" Soft Drawn Type L Copper Tube .....	19.97	4.92
<i>For &lt;20, Add</i>	1.26	
<i>For &gt;150, Deduct</i>	-2.52	
<i>For Work In Restricted Working Space, Add</i>	2.21	
22 11 16 00-0423 LF 2" Soft Drawn Type L Copper Tube .....	29.13	6.07
<i>For &lt;20, Add</i>	2.00	
<i>For &gt;150, Deduct</i>	-4.01	
<i>For Work In Restricted Working Space, Add</i>	2.73	
<b>22 11 16 00-0424 Soft Drawn Type K Copper Tube</b> <small>(22 11 16 00-0369)</small>		
22 11 16 00-0425 LF 1/4" Soft Drawn Type K Copper Tube .....	5.19	2.29
<i>For &lt;20, Add</i>	0.18	
<i>For &gt;150, Deduct</i>	-0.35	
<i>For Work In Restricted Working Space, Add</i>	1.03	
22 11 16 00-0426 LF 3/8" Soft Drawn Type K Copper Tube .....	6.58	2.38
<i>For &lt;20, Add</i>	0.30	
<i>For &gt;150, Deduct</i>	-0.60	
<i>For Work In Restricted Working Space, Add</i>	1.07	
22 11 16 00-0427 LF 1/2" Soft Drawn Type K Copper Tube .....	7.49	2.48
<i>For &lt;20, Add</i>	0.38	
<i>For &gt;150, Deduct</i>	-0.75	
<i>For Work In Restricted Working Space, Add</i>	1.12	
22 11 16 00-0428 LF 5/8" Soft Drawn Type K Copper Tube .....	8.32	2.56
<i>For &lt;20, Add</i>	0.45	
<i>For &gt;150, Deduct</i>	-0.90	
<i>For Work In Restricted Working Space, Add</i>	1.15	
22 11 16 00-0429 LF 3/4" Soft Drawn Type K Copper Tube .....	10.91	2.63
<i>For &lt;20, Add</i>	0.70	
<i>For &gt;150, Deduct</i>	-1.39	
<i>For Work In Restricted Working Space, Add</i>	1.19	
22 11 16 00-0430 LF 1" Soft Drawn Type K Copper Tube .....	13.67	2.96
<i>For &lt;20, Add</i>	0.92	
<i>For &gt;150, Deduct</i>	-1.85	
<i>For Work In Restricted Working Space, Add</i>	1.33	
22 11 16 00-0431 LF 1-1/4" Soft Drawn Type K Copper Tube .....	17.49	4.40
<i>For &lt;20, Add</i>	1.09	
<i>For &gt;150, Deduct</i>	-2.18	
<i>For Work In Restricted Working Space, Add</i>	1.98	
22 11 16 00-0432 LF 1-1/2" Soft Drawn Type K Copper Tube .....	22.50	4.92
<i>For &lt;20, Add</i>	1.51	
<i>For &gt;150, Deduct</i>	-3.03	
<i>For Work In Restricted Working Space, Add</i>	2.21	
22 11 16 00-0433 LF 2" Soft Drawn Type K Copper Tube .....	32.60	6.07
<i>For &lt;20, Add</i>	2.35	
<i>For &gt;150, Deduct</i>	-4.70	
<i>For Work In Restricted Working Space, Add</i>	2.73	
22 11 16 00-0434 LF 2-1/2" Soft Drawn Type K Copper Tube .....	46.17	7.28
<i>For &lt;20, Add</i>	3.53	
<i>For &gt;150, Deduct</i>	-7.05	
<i>For Work In Restricted Working Space, Add</i>	3.27	
22 11 16 00-0435 LF 3" Soft Drawn Type K Copper Tube .....	61.93	8.58
<i>For &lt;20, Add</i>	4.91	
<i>For &gt;150, Deduct</i>	-9.81	
<i>For Work In Restricted Working Space, Add</i>	3.86	
<b>22 11 16 00-0436 Copper And Brass Fittings</b> <small>(22 11 16 00-0368)</small>		
Note: All fittings are based on 95/5 solder.		
<b>22 11 16 00-0437 90 Degree Copper Elbows</b> <small>(22 11 16 00-0436)</small>		

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0438	EA	1/4"	90 Degree Copper Elbow.....	24.44	13.58
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.26	
			<i>For Street Fitting, Add</i>	1.64	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.05	
			<i>For Work In Restricted Working Space, Add</i>	6.11	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.24	
22 11 16 00-0439	EA	3/8"	90 Degree Copper Elbow.....	28.74	16.28
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.88	
			<i>For Street Fitting, Add</i>	1.73	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.66	
22 11 16 00-0440	EA	1/2"	90 Degree Copper Elbow.....	34.98	22.38
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.11	
			<i>For Street Fitting, Add</i>	0.56	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.04	
			<i>For Work In Restricted Working Space, Add</i>	10.07	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.43	
22 11 16 00-0441	EA	3/4"	90 Degree Copper Elbow.....	44.86	27.88
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.41	
			<i>For Street Fitting, Add</i>	1.26	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.26	
			<i>For Work In Restricted Working Space, Add</i>	12.51	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.33	
22 11 16 00-0442	EA	1"	90 Degree Copper Elbow.....	57.57	33.27
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.86	
			<i>For Street Fitting, Add</i>	3.08	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.48	
			<i>For Work In Restricted Working Space, Add</i>	14.96	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.37	
22 11 16 00-0443	EA	1-1/4"	90 Degree Copper Elbow.....	65.46	36.02
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.67	
			<i>For Street Fitting, Add</i>	4.61	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.09	
			<i>For Work In Restricted Working Space, Add</i>	16.18	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.97	
22 11 16 00-0444	EA	1-1/2"	90 Degree Copper Elbow.....	77.05	39.38
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.75	
			<i>For Street Fitting, Add</i>	7.21	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.85	
			<i>For Work In Restricted Working Space, Add</i>	17.71	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.80	
22 11 16 00-0445	EA	2"	90 Degree Copper Elbow.....	98.99	44.16
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.56	
			<i>For Street Fitting, Add</i>	13.14	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.92	
			<i>For Work In Restricted Working Space, Add</i>	19.84	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.26	
22 11 16 00-0446	EA	2-1/2"	90 Degree Copper Elbow.....	131.91	44.98
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.34	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.12	
			<i>For Work In Restricted Working Space, Add</i>	20.24	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.97	
22 11 16 00-0447	EA	3"	90 Degree Copper Elbow.....	171.47	53.79
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.63	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.09	
			<i>For Work In Restricted Working Space, Add</i>	24.18	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.60	
22 11 16 00-0448	EA	4"	90 Degree Copper Elbow.....	334.83	76.28
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	28.17	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	17.15	
			<i>For Work In Restricted Working Space, Add</i>	34.30	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-22.46	
22 11 16 00-0449	EA	5"	90 Degree Copper Elbow.....	1,080.28	104.39
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	69.66	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	23.47	
			<i>For Work In Restricted Working Space, Add</i>	46.95	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-61.84	
22 11 16 00-0450	EA	6"	90 Degree Copper Elbow.....	1,459.20	151.91
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	95.73	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	34.16	
			<i>For Work In Restricted Working Space, Add</i>	68.32	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-84.35	
22 11 16 00-0451	EA	8"	90 Degree Copper Elbow.....	4,859.48	202.51
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	273.34	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	45.54	
			<i>For Work In Restricted Working Space, Add</i>	91.09	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-258.16	
22 11 16 00-0452			<b>90 Degree Brass Elbows</b> (22 11 16 00-0436)		
22 11 16 00-0453	EA	1/2"	Drop Ear 90 Degree Brass Elbow.....	42.38	22.38
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.48	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.04	
			<i>For Work In Restricted Working Space, Add</i>	10.07	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.80	
22 11 16 00-0454	EA	3/4"	Drop Ear 90 Degree Brass Elbow.....	67.37	27.88
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.54	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.26	
			<i>For Work In Restricted Working Space, Add</i>	12.51	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.45	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0455	EA		1/2" Flanged Sink 90 Degree Brass Elbow .....	49.62	22.38
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.84	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.04	
			<i>For Work In Restricted Working Space, Add</i>	10.07	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.16	
22 11 16 00-0456	EA		3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	37.58	16.28
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.32	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.10	
22 11 16 00-0457	EA		1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	43.00	22.38
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.51	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.04	
			<i>For Work In Restricted Working Space, Add</i>	10.07	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.83	
22 11 16 00-0458	EA		3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	58.30	27.88
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.09	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.26	
			<i>For Work In Restricted Working Space, Add</i>	12.51	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.00	
22 11 16 00-0459	EA		1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	102.82	33.27
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.13	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.48	
			<i>For Work In Restricted Working Space, Add</i>	14.96	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.63	
<b>22 11 16 00-0460</b>			<b>Reducing 90 Degree Copper Elbows (22 11 16 00-0436)</b>		
22 11 16 00-0461	EA		1/2" Reducing 90 Degree Copper Elbow .....	44.95	22.38
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.61	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.04	
			<i>For Work In Restricted Working Space, Add</i>	10.07	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.93	
22 11 16 00-0462	EA		3/4" Reducing 90 Degree Copper Elbow .....	49.77	27.88
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.66	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.26	
			<i>For Work In Restricted Working Space, Add</i>	12.51	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.57	
22 11 16 00-0463	EA		1" Reducing 90 Degree Copper Elbow .....	64.66	33.27
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.22	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.48	
			<i>For Work In Restricted Working Space, Add</i>	14.96	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.73	
22 11 16 00-0464	EA		1-1/4" Reducing 90 Degree Copper Elbow .....	91.62	36.02
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.97	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.09	
			<i>For Work In Restricted Working Space, Add</i>	16.18	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.28	
22 11 16 00-0465	EA		1-1/2" Reducing 90 Degree Copper Elbow .....	108.55	39.38
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.33	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.85	
			<i>For Work In Restricted Working Space, Add</i>	17.71	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.38	
22 11 16 00-0466	EA		2" Reducing 90 Degree Copper Elbow .....	132.79	44.16
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.25	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.92	
			<i>For Work In Restricted Working Space, Add</i>	19.84	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.95	
<b>22 11 16 00-0467</b>			<b>45 Degree Copper Elbows (22 11 16 00-0436)</b>		
22 11 16 00-0468	EA		1/4" 45 Degree Copper Elbow.....	27.98	13.58
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.43	
			<i>For Street Fitting, Add</i>	3.05	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.05	
			<i>For Work In Restricted Working Space, Add</i>	6.11	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.42	
22 11 16 00-0469	EA		3/8" 45 Degree Copper Elbow.....	30.96	16.28
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.99	
			<i>For Street Fitting, Add</i>	2.62	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.77	
22 11 16 00-0470	EA		1/2" 45 Degree Copper Elbow.....	36.15	22.38
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.17	
			<i>For Street Fitting, Add</i>	1.03	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.04	
			<i>For Work In Restricted Working Space, Add</i>	10.07	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.49	
22 11 16 00-0471	EA		3/4" 45 Degree Copper Elbow.....	46.11	27.88
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.48	
			<i>For Street Fitting, Add</i>	1.76	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.26	
			<i>For Work In Restricted Working Space, Add</i>	12.51	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.39	

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0472	EA	1"	45 Degree Copper Elbow.....	60.84	33.27
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.03	
			<i>For Street Fitting, Add</i>	4.39	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.48	
			<i>For Work In Restricted Working Space, Add</i>	14.96	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.54	
22 11 16 00-0473	EA	1-1/4"	45 Degree Copper Elbow.....	68.80	36.02
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.83	
			<i>For Street Fitting, Add</i>	5.95	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.09	
			<i>For Work In Restricted Working Space, Add</i>	16.18	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.14	
22 11 16 00-0474	EA	1-1/2"	45 Degree Copper Elbow.....	77.28	39.38
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.77	
			<i>For Street Fitting, Add</i>	7.30	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.85	
			<i>For Work In Restricted Working Space, Add</i>	17.71	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.82	
22 11 16 00-0475	EA	2"	45 Degree Copper Elbow.....	96.58	44.16
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.44	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.92	
			<i>For Work In Restricted Working Space, Add</i>	19.84	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.14	
22 11 16 00-0476	EA	2-1/2"	45 Degree Copper Elbow.....	131.14	44.98
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.30	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.12	
			<i>For Work In Restricted Working Space, Add</i>	20.24	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.93	
22 11 16 00-0477	EA	3"	45 Degree Copper Elbow.....	175.06	53.79
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.81	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.09	
			<i>For Work In Restricted Working Space, Add</i>	24.18	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.78	
22 11 16 00-0478	EA	4"	45 Degree Copper Elbow.....	315.75	76.28
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	27.22	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	17.15	
			<i>For Work In Restricted Working Space, Add</i>	34.30	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-21.50	
22 11 16 00-0479	EA	5"	45 Degree Copper Elbow.....	936.59	104.39
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	62.48	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	23.47	
			<i>For Work In Restricted Working Space, Add</i>	46.95	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-54.65	
22 11 16 00-0480	EA	6"	45 Degree Copper Elbow.....	1,457.10	151.91
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	95.63	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	34.16	
			<i>For Work In Restricted Working Space, Add</i>	68.32	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-84.24	
22 11 16 00-0481	EA	8"	45 Degree Copper Elbow.....	4,481.00	202.51
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	254.41	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	45.54	
			<i>For Work In Restricted Working Space, Add</i>	91.09	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-239.23	
22 11 16 00-0482			<b>Straight Copper And Brass Tees (22 11 16 00-0436)</b>		
22 11 16 00-0483	EA	1/4"	Straight Copper Tee.....	39.10	20.35
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.01	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.58	
			<i>For Work In Restricted Working Space, Add</i>	9.16	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.48	
22 11 16 00-0484	EA	3/8"	Straight Copper Tee.....	43.52	24.42
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.84	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.49	
			<i>For Work In Restricted Working Space, Add</i>	10.99	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.01	
22 11 16 00-0485	EA	1/2"	Straight Copper Tee.....	53.29	33.98
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.75	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.63	
			<i>For Work In Restricted Working Space, Add</i>	15.26	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.21	
22 11 16 00-0486	EA	3/4"	Straight Copper Tee.....	68.84	42.13
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.75	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.46	
			<i>For Work In Restricted Working Space, Add</i>	18.92	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.60	
22 11 16 00-0487	EA	1"	Straight Copper Tee.....	92.63	50.26
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.16	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.30	
			<i>For Work In Restricted Working Space, Add</i>	22.59	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.40	
22 11 16 00-0488	EA	1-1/4"	Straight Copper Tee.....	105.54	54.33
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.42	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.21	
			<i>For Work In Restricted Working Space, Add</i>	24.42	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.35	
22 11 16 00-0489	EA	1-1/2"	Straight Copper Tee.....	125.04	59.02
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.10	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.28	
			<i>For Work In Restricted Working Space, Add</i>	26.56	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0490	EA		2" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	157.78 17.86 14.96 29.92 -12.88	66.55
22 11 16 00-0491	EA		2-1/2" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	216.07 20.92 15.18 30.36 -15.86	67.47
22 11 16 00-0492	EA		3" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	297.32 27.05 18.27 36.55 -20.96	81.25
22 11 16 00-0493	EA		4" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	595.30 46.82 25.58 51.17 -38.29	113.77
22 11 16 00-0494	EA		5" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	1,621.82 104.42 35.00 70.00 -92.76	155.66
22 11 16 00-0495	EA		6" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	2,240.08 146.21 51.31 102.61 -129.11	228.18
22 11 16 00-0496	EA		8" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	7,777.05 434.40 68.31 136.63 -411.62	303.81
22 11 16 00-0497	EA		1/2" Cast Bronze Drop Ear Tee..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	65.72 8.37 7.63 15.26 -5.83	33.98
<b>22 11 16 00-0498</b>			<b>Reducing Copper Tees</b> (22 11 16 00-0436)		
22 11 16 00-0499	EA		3/8" Reducing Copper Tee..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	46.19 5.57 4.88 9.77 -3.94	21.67
22 11 16 00-0500	EA		1/2" Reducing Copper Tee..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	57.78 7.47 6.87 13.74 -5.18	30.53
22 11 16 00-0501	EA		3/4" Reducing Copper Tee..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	65.13 9.16 8.85 17.71 -6.21	39.38
22 11 16 00-0502	EA		1" Reducing Copper Tee..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	90.65 11.65 10.68 21.37 -8.09	47.52
22 11 16 00-0503	EA		1-1/4" Reducing Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	106.81 13.07 11.60 23.20 -9.21	51.59
22 11 16 00-0504	EA		1-1/2" Reducing Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	126.11 14.75 12.67 25.34 -10.53	56.37
22 11 16 00-0505	EA		2" Reducing Copper Tee..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	154.87 17.21 14.19 28.39 -12.48	63.08
22 11 16 00-0506	EA		2-1/2" Reducing Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	223.30 20.91 14.62 29.24 -16.04	65.03
22 11 16 00-0507	EA		3" Reducing Copper Tee..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	319.10 27.20 16.87 33.74 -21.58	74.96

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0508	EA 4" Reducing Copper Tee..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	573.72 42.56 20.80 41.61 -35.62	92.49
<b>22 11 16 00-0509</b>	<b>Copper Couplings</b> (22 11 16 00-0436)		
22 11 16 00-0510	EA 1/4" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	21.17 3.09 3.05 6.11 -2.08	13.58
22 11 16 00-0511	EA 3/8" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	25.51 3.72 3.66 7.33 -2.50	16.28
22 11 16 00-0512	EA 1/2" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	34.48 5.08 5.04 10.07 -3.40	22.38
22 11 16 00-0513	EA 3/4" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	43.54 6.35 6.26 12.51 -4.26	27.88
22 11 16 00-0514	EA 1" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	53.48 7.66 7.48 14.96 -5.17	33.27
22 11 16 00-0515	EA 1-1/4" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	60.32 8.41 8.09 16.18 -5.71	36.02
22 11 16 00-0516	EA 1-1/2" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	67.47 9.28 8.85 17.71 -6.32	39.38
22 11 16 00-0517	EA 2" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	80.19 10.62 9.92 19.84 -7.32	43.75
22 11 16 00-0518	EA 2-1/2" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	92.61 11.00 9.56 19.12 -7.82	42.54
22 11 16 00-0519	EA 3" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	116.17 13.49 11.53 23.05 -9.65	51.54
22 11 16 00-0520	EA 4" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	189.72 19.79 15.46 30.92 -14.64	69.35
22 11 16 00-0521	EA 5" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	321.12 30.11 21.08 42.17 -23.08	126.50
22 11 16 00-0522	EA 6" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	504.55 45.84 30.92 61.85 -35.54	137.47
22 11 16 00-0523	EA 8" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	1,240.87 89.41 41.04 82.09 -75.73	182.27
<b>22 11 16 00-0524</b>	<b>Reducing Copper Couplings</b> (22 11 16 00-0436)		
22 11 16 00-0525	EA 3/8" Reducing Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	22.14 3.14 3.05 6.11 -2.12	13.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0526	EA		1/2" Reducing Copper Coupling.....	30.87	19.33
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.44	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.35	
			<i>For Work In Restricted Working Space, Add</i>	8.70	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.99	
22 11 16 00-0527	EA		3/4" Reducing Copper Coupling.....	40.87	25.14
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.81	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.65	
			<i>For Work In Restricted Working Space, Add</i>	11.29	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.93	
22 11 16 00-0528	EA		1" Reducing Copper Coupling.....	51.63	30.53
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.16	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.87	
			<i>For Work In Restricted Working Space, Add</i>	13.74	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.87	
22 11 16 00-0529	EA		1-1/4" Reducing Copper Coupling.....	60.03	34.60
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.19	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.78	
			<i>For Work In Restricted Working Space, Add</i>	15.57	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.60	
22 11 16 00-0530	EA		1-1/2" Reducing Copper Coupling.....	69.94	37.64
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.14	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.47	
			<i>For Work In Restricted Working Space, Add</i>	16.94	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.32	
22 11 16 00-0531	EA		2" Reducing Copper Coupling.....	83.41	41.71
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.43	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.39	
			<i>For Work In Restricted Working Space, Add</i>	18.77	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.30	
22 11 16 00-0532	EA		2-1/2" Reducing Copper Coupling.....	107.06	42.83
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.77	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.63	
			<i>For Work In Restricted Working Space, Add</i>	19.26	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.56	
22 11 16 00-0533	EA		3" Reducing Copper Coupling.....	127.03	49.66
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.75	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.10	
			<i>For Work In Restricted Working Space, Add</i>	22.21	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.05	
22 11 16 00-0534	EA		4" Reducing Copper Coupling.....	202.67	65.03
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	19.88	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.62	
			<i>For Work In Restricted Working Space, Add</i>	29.24	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-15.01	
22 11 16 00-0535	EA		5" Reducing Copper Coupling.....	547.31	90.61
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	40.95	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	20.38	
			<i>For Work In Restricted Working Space, Add</i>	40.76	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-34.16	
22 11 16 00-0536	EA		6" Reducing Copper Coupling.....	819.85	121.82
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	59.27	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	27.41	
			<i>For Work In Restricted Working Space, Add</i>	54.82	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-50.13	
22 11 16 00-0537	EA		8" Reducing Copper Coupling.....	1,616.78	177.52
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	107.45	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	39.92	
			<i>For Work In Restricted Working Space, Add</i>	79.84	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-94.15	
<b>22 11 16 00-0538</b>			<b>Male Copper Adapters</b> <small>(22 11 16 00-0436)</small>		
22 11 16 00-0539	EA		1/4" Male Copper Adapter.....	34.80	13.22
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.78	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.05	
			<i>For Work In Restricted Working Space, Add</i>	6.11	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.76	
22 11 16 00-0540	EA		3/8" Male Copper Adapter.....	31.62	16.28
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.02	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.80	
22 11 16 00-0541	EA		1/2" Male Copper Adapter.....	33.45	20.35
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.73	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.58	
			<i>For Work In Restricted Working Space, Add</i>	9.16	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.20	
22 11 16 00-0542	EA		3/4" Male Copper Adapter.....	42.59	25.44
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.89	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.65	
			<i>For Work In Restricted Working Space, Add</i>	11.29	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.01	
22 11 16 00-0543	EA		1" Male Copper Adapter.....	56.33	29.51
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.19	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.56	
			<i>For Work In Restricted Working Space, Add</i>	13.13	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.00	

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0544	EA		1-1/4" Male Copper Adapter.....	69.18	33.58
			For Silver Solder Instead Of 95/5 Solder, Add	8.55	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.63	
			For Work In Restricted Working Space, Add	15.26	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.00	
22 11 16 00-0545	EA		1-1/2" Male Copper Adapter.....	79.42	38.66
			For Silver Solder Instead Of 95/5 Solder, Add	9.77	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.70	
			For Work In Restricted Working Space, Add	17.40	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.87	
22 11 16 00-0546	EA		2" Male Copper Adapter.....	110.53	49.34
			For Silver Solder Instead Of 95/5 Solder, Add	12.95	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.14	
			For Work In Restricted Working Space, Add	22.28	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.24	
22 11 16 00-0547	EA		2-1/2" Male Copper Adapter.....	210.94	64.10
			For Silver Solder Instead Of 95/5 Solder, Add	20.11	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.35	
			For Work In Restricted Working Space, Add	28.69	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.33	
22 11 16 00-0548	EA		3" Male Copper Adapter.....	280.08	85.51
			For Silver Solder Instead Of 95/5 Solder, Add	26.75	
			For Brazed Fittings Instead Of 95/5 Solder, Add	19.12	
			For Work In Restricted Working Space, Add	38.23	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-20.38	
22 11 16 00-0549	EA		4" Male Copper Adapter.....	424.03	119.95
			For Silver Solder Instead Of 95/5 Solder, Add	39.19	
			For Brazed Fittings Instead Of 95/5 Solder, Add	26.99	
			For Work In Restricted Working Space, Add	53.98	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-30.20	
22 11 16 00-0550			<b>Female Copper Adapters (22 11 16 00-0436)</b>		
22 11 16 00-0551	EA		1/4" Female Copper Adapter.....	29.58	13.22
			For Silver Solder Instead Of 95/5 Solder, Add	3.51	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.05	
			For Work In Restricted Working Space, Add	6.11	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.50	
22 11 16 00-0552	EA		3/8" Female Copper Adapter.....	34.08	16.28
			For Silver Solder Instead Of 95/5 Solder, Add	4.15	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.66	
			For Work In Restricted Working Space, Add	7.33	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.93	
22 11 16 00-0553	EA		1/2" Female Copper Adapter.....	35.20	20.35
			For Silver Solder Instead Of 95/5 Solder, Add	4.81	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.58	
			For Work In Restricted Working Space, Add	9.16	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.29	
22 11 16 00-0554	EA		3/4" Female Copper Adapter.....	44.03	25.44
			For Silver Solder Instead Of 95/5 Solder, Add	5.97	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.65	
			For Work In Restricted Working Space, Add	11.29	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.08	
22 11 16 00-0555	EA		1" Female Copper Adapter.....	58.35	29.51
			For Silver Solder Instead Of 95/5 Solder, Add	7.29	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.56	
			For Work In Restricted Working Space, Add	13.13	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.11	
22 11 16 00-0556	EA		1-1/4" Female Copper Adapter.....	72.30	33.58
			For Silver Solder Instead Of 95/5 Solder, Add	8.70	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.63	
			For Work In Restricted Working Space, Add	15.26	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.16	
22 11 16 00-0557	EA		1-1/2" Female Copper Adapter.....	91.53	38.66
			For Silver Solder Instead Of 95/5 Solder, Add	10.38	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.70	
			For Work In Restricted Working Space, Add	17.40	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.48	
22 11 16 00-0558	EA		2" Female Copper Adapter.....	119.76	49.34
			For Silver Solder Instead Of 95/5 Solder, Add	13.42	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.14	
			For Work In Restricted Working Space, Add	22.28	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.70	
22 11 16 00-0559	EA		2-1/2" Female Copper Adapter.....	250.77	59.04
			For Silver Solder Instead Of 95/5 Solder, Add	21.35	
			For Brazed Fittings Instead Of 95/5 Solder, Add	13.21	
			For Work In Restricted Working Space, Add	26.42	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.94	
22 11 16 00-0560	EA		3" Female Copper Adapter.....	401.49	85.51
			For Silver Solder Instead Of 95/5 Solder, Add	32.82	
			For Brazed Fittings Instead Of 95/5 Solder, Add	19.12	
			For Work In Restricted Working Space, Add	38.23	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-26.45	
22 11 16 00-0561			<b>Wrot Copper, Solder Union (22 11 16 00-0436)</b>		

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0562	EA	1/4" Wrot Copper, Solder Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	47.67 4.83 3.66 7.33 -3.60	16.28
22 11 16 00-0563	EA	3/8" Wrot Copper, Solder Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	53.47 5.62 4.43 8.85 -4.15	19.63
22 11 16 00-0564	EA	1/2" Wrot Copper, Solder Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	51.44 6.24 5.49 10.99 -4.40	24.42
22 11 16 00-0565	EA	3/4" Wrot Copper, Solder Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	59.92 7.17 6.26 12.51 -5.08	27.88
22 11 16 00-0566	EA	1" Wrot Copper, Solder Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	81.16 9.04 7.48 14.96 -6.55	33.27
22 11 16 00-0567	EA	1-1/4" Wrot Copper, Solder Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	100.27 10.51 8.24 16.49 -7.76	36.63
22 11 16 00-0568	EA	1-1/2" Wrot Copper, Solder Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	124.95 12.35 9.16 18.32 -9.30	40.70
22 11 16 00-0569	EA	2" Wrot Copper, Solder Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	182.19 16.44 10.99 21.98 -12.77	48.84
22 11 16 00-0570	EA	2-1/2" Wrot Copper, Solder Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	377.65 26.94 12.09 24.18 -22.91	53.79
22 11 16 00-0571	EA	3" Wrot Copper, Solder Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	883.03 55.58 17.15 34.30 -49.87	76.28
<b>22 11 16 00-0572</b>		<b>Cast Bronze, Solder Union (22 11 16 00-0436)</b>		
22 11 16 00-0573	EA	1/4" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	56.25 5.25 3.66 7.33 -4.03	16.28
22 11 16 00-0574	EA	3/8" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	61.56 6.03 4.43 8.85 -4.55	19.63
22 11 16 00-0575	EA	1/2" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	53.69 6.35 5.49 10.99 -4.52	24.42
22 11 16 00-0576	EA	3/4" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	63.11 7.33 6.26 12.51 -5.24	27.88
22 11 16 00-0577	EA	1" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	86.69 9.32 7.48 14.96 -6.83	33.27
22 11 16 00-0578	EA	1-1/4" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	115.38 11.26 8.24 16.49 -8.52	36.63
22 11 16 00-0579	EA	1-1/2" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	140.71 13.14 9.16 18.32 -10.09	40.70

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0580	EA		2" Cast Bronze, Solder Union .....	209.03	48.84
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	17.78	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.99	
			<i>For Work In Restricted Working Space, Add</i>	21.98	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-14.11	
22 11 16 00-0581	EA		2-1/2" Cast Bronze, Solder Union .....	377.63	53.79
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	26.94	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.09	
			<i>For Work In Restricted Working Space, Add</i>	24.18	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-22.91	
22 11 16 00-0582	EA		3" Cast Bronze, Solder Union .....	883.03	76.28
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	55.58	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	17.15	
			<i>For Work In Restricted Working Space, Add</i>	34.30	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-49.87	
<b>22 11 16 00-0583</b>			<b>Cast Bronze, Solder X Female Threaded Union (22 11 16 00-0436)</b>		
22 11 16 00-0584	EA		1/4" Cast Bronze, Solder X Female Threaded Union .....	67.83	16.28
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.83	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.61	
22 11 16 00-0585	EA		3/8" Cast Bronze, Solder X Female Threaded Union .....	74.43	19.63
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.67	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.43	
			<i>For Work In Restricted Working Space, Add</i>	8.85	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.20	
22 11 16 00-0586	EA		1/2" Cast Bronze, Solder X Female Threaded Union .....	72.31	24.42
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.28	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.49	
			<i>For Work In Restricted Working Space, Add</i>	10.99	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.45	
22 11 16 00-0587	EA		3/4" Cast Bronze, Solder X Female Threaded Union .....	90.34	27.88
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.69	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.26	
			<i>For Work In Restricted Working Space, Add</i>	12.51	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.60	
22 11 16 00-0588	EA		1" Cast Bronze, Solder X Female Threaded Union .....	151.01	33.27
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.54	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.48	
			<i>For Work In Restricted Working Space, Add</i>	14.96	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.04	
22 11 16 00-0589	EA		1-1/4" Cast Bronze, Solder X Female Threaded Union .....	243.46	36.63
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	17.67	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.24	
			<i>For Work In Restricted Working Space, Add</i>	16.49	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-14.92	
22 11 16 00-0590	EA		1-1/2" Cast Bronze, Solder X Female Threaded Union .....	299.87	40.70
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	21.10	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.16	
			<i>For Work In Restricted Working Space, Add</i>	18.32	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-18.05	
22 11 16 00-0591	EA		2" Cast Bronze, Solder X Female Threaded Union .....	477.51	48.84
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	31.20	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.99	
			<i>For Work In Restricted Working Space, Add</i>	21.98	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-27.54	
22 11 16 00-0592	EA		2-1/2" Cast Bronze, Solder X Female Threaded Union .....	846.91	53.79
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	50.40	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.09	
			<i>For Work In Restricted Working Space, Add</i>	24.18	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-46.38	
<b>22 11 16 00-0593</b>			<b>Cast Bronze, Solder X Male Threaded Union (22 11 16 00-0436)</b>		
22 11 16 00-0594	EA		1/4" Cast Bronze, Solder X Male Threaded Union .....	57.49	16.28
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.32	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.10	
22 11 16 00-0595	EA		3/8" Cast Bronze, Solder X Male Threaded Union .....	68.10	19.63
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.36	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.43	
			<i>For Work In Restricted Working Space, Add</i>	8.85	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.88	
22 11 16 00-0596	EA		1/2" Cast Bronze, Solder X Male Threaded Union .....	64.79	24.42
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.90	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.49	
			<i>For Work In Restricted Working Space, Add</i>	10.99	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.07	
22 11 16 00-0597	EA		3/4" Cast Bronze, Solder X Male Threaded Union .....	83.97	27.88
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.37	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.26	
			<i>For Work In Restricted Working Space, Add</i>	12.51	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.28	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0598	EA		1" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	153.93 12.68 7.48 14.96 -10.19	33.27
22 11 16 00-0599	EA		1-1/4" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	184.04 14.70 8.24 16.49 -11.95	36.63
22 11 16 00-0600	EA		1-1/2" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	196.64 15.94 9.16 18.32 -12.88	40.70
22 11 16 00-0601	EA		2" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	281.53 21.40 10.99 21.98 -17.74	48.84
22 11 16 00-0602	EA		2-1/2" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	690.94 42.61 12.09 24.18 -38.58	53.79
<b>22 11 16 00-0603</b>			<b>Copper Caps</b> (22 11 16 00-0436)		
22 11 16 00-0604	EA		1/4" Copper Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	7.96 1.07 1.01 2.01 -0.73	4.47
22 11 16 00-0605	EA		3/8" Copper Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	10.05 1.31 1.21 2.42 -0.91	5.29
22 11 16 00-0606	EA		1/2" Copper Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	12.09 1.71 1.66 3.32 -1.16	7.33
22 11 16 00-0607	EA		3/4" Copper Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	15.68 2.16 2.07 4.13 -1.47	9.06
22 11 16 00-0608	EA		1" Copper Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	20.93 2.69 2.47 4.94 -1.87	10.88
22 11 16 00-0609	EA		1-1/4" Copper Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	23.80 2.97 2.67 5.34 -2.08	11.70
22 11 16 00-0610	EA		1-1/2" Copper Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	28.19 3.36 2.92 5.84 -2.38	12.82
22 11 16 00-0611	EA		2" Copper Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	36.22 3.82 3.02 6.03 -2.82	13.31
22 11 16 00-0612	EA		2-1/2" Copper Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	71.90 5.96 3.54 7.09 -4.78	15.56
22 11 16 00-0613	EA		3" Copper Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	99.38 7.99 4.53 9.07 -6.48	19.96
22 11 16 00-0614	EA		4" Copper Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	176.25 13.39 6.86 13.72 -11.10	30.17
22 11 16 00-0615	EA		5" Cast Bronze Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	987.91 56.44 10.56 21.13 -52.92	46.48

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0616	EA		6" Cast Bronze Cap.....	1,930.42	67.65
			For Silver Solder Instead Of 95/5 Solder, Add	106.77	
			For Brazed Fittings Instead Of 95/5 Solder, Add	15.37	
			For Work In Restricted Working Space, Add	30.74	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-101.64	
22 11 16 00-0617	EA		8" Cast Bronze Cap.....	2,456.58	90.15
			For Silver Solder Instead Of 95/5 Solder, Add	136.49	
			For Brazed Fittings Instead Of 95/5 Solder, Add	20.49	
			For Work In Restricted Working Space, Add	40.99	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-129.66	
<b>22 11 16 00-0618</b>			<b>Copper Crosses</b> (22 11 16 00-0436)		
22 11 16 00-0619	EA		1/2" Copper Cross.....	77.91	41.23
			For Silver Solder Instead Of 95/5 Solder, Add	10.08	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.28	
			For Work In Restricted Working Space, Add	18.56	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.99	
22 11 16 00-0620	EA		3/4" Copper Cross.....	108.06	51.26
			For Silver Solder Instead Of 95/5 Solder, Add	13.09	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.53	
			For Work In Restricted Working Space, Add	23.05	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.25	
22 11 16 00-0621	EA		1" Copper Cross.....	144.86	61.19
			For Silver Solder Instead Of 95/5 Solder, Add	16.43	
			For Brazed Fittings Instead Of 95/5 Solder, Add	13.77	
			For Work In Restricted Working Space, Add	27.55	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.83	
22 11 16 00-0622	EA		1-1/4" Copper Cross.....	175.55	66.25
			For Silver Solder Instead Of 95/5 Solder, Add	18.71	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.90	
			For Work In Restricted Working Space, Add	29.80	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.74	
22 11 16 00-0623	EA		1-1/2" Copper Cross.....	217.35	72.43
			For Silver Solder Instead Of 95/5 Solder, Add	21.74	
			For Brazed Fittings Instead Of 95/5 Solder, Add	16.31	
			For Work In Restricted Working Space, Add	32.61	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.30	
22 11 16 00-0624	EA		2" Copper Cross.....	327.07	81.25
			For Silver Solder Instead Of 95/5 Solder, Add	28.54	
			For Brazed Fittings Instead Of 95/5 Solder, Add	18.27	
			For Work In Restricted Working Space, Add	36.55	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-22.44	
22 11 16 00-0625	EA		2-1/2" Copper Cross.....	608.05	89.96
			For Silver Solder Instead Of 95/5 Solder, Add	43.90	
			For Brazed Fittings Instead Of 95/5 Solder, Add	20.24	
			For Work In Restricted Working Space, Add	40.48	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-37.15	
<b>22 11 16 00-0626</b>			<b>Cast Bronze Crosses</b> (22 11 16 00-0436)		
22 11 16 00-0627	EA		3/8" Cast Bronze Cross.....	66.40	29.99
			For Silver Solder Instead Of 95/5 Solder, Add	7.82	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.75	
			For Work In Restricted Working Space, Add	13.49	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.57	
22 11 16 00-0628	EA		1/2" Cast Bronze Cross.....	81.12	41.23
			For Silver Solder Instead Of 95/5 Solder, Add	10.24	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.28	
			For Work In Restricted Working Space, Add	18.56	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.15	
22 11 16 00-0629	EA		3/4" Cast Bronze Cross.....	114.30	51.26
			For Silver Solder Instead Of 95/5 Solder, Add	13.40	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.53	
			For Work In Restricted Working Space, Add	23.05	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.56	
22 11 16 00-0630	EA		1" Cast Bronze Cross.....	155.46	61.19
			For Silver Solder Instead Of 95/5 Solder, Add	16.96	
			For Brazed Fittings Instead Of 95/5 Solder, Add	13.77	
			For Work In Restricted Working Space, Add	27.55	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.36	
22 11 16 00-0631	EA		1-1/4" Cast Bronze Cross.....	190.80	66.25
			For Silver Solder Instead Of 95/5 Solder, Add	19.47	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.90	
			For Work In Restricted Working Space, Add	29.80	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.51	
22 11 16 00-0632	EA		1-1/2" Cast Bronze Cross.....	239.08	72.43
			For Silver Solder Instead Of 95/5 Solder, Add	22.83	
			For Brazed Fittings Instead Of 95/5 Solder, Add	16.31	
			For Work In Restricted Working Space, Add	32.61	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.39	
22 11 16 00-0633	EA		2" Cast Bronze Cross.....	368.11	81.25
			For Silver Solder Instead Of 95/5 Solder, Add	30.59	
			For Brazed Fittings Instead Of 95/5 Solder, Add	18.27	
			For Work In Restricted Working Space, Add	36.55	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-24.50	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0634	EA		2-1/2" Cast Bronze Cross ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	702.67 48.63 20.24 40.48 -41.88	89.96
	<b>22 11 16 00-0635</b>			<b>Flexible Corrugated Copper Supply Line</b> (22 11 16 00-0436)		
	22 11 16 00-0636	EA		3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line.....	96.84	27.88
	22 11 16 00-0637	EA		3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line.....	103.47	27.88
	22 11 16 00-0638	EA		3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line.....	84.90	27.88
	22 11 16 00-0639	EA		3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line.....	92.42	27.88
	22 11 16 00-0640	EA		3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line.....	99.05	27.88
	22 11 16 00-0641	EA		3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line.....	103.47	27.88
	<b>22 11 16 00-0642</b>			<b>Crimped Copper Fittings</b> (22 11 16 00-0368) Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
	<b>22 11 16 00-0643</b>			<b>Crimped Copper 90 Degree Elbows</b> (22 11 16 00-0642)		
	22 11 16 00-0644	EA		1/2" Crimped Copper 90 Degree Elbow.....	20.67	12.21
	22 11 16 00-0645	EA		3/4" Crimped Copper 90 Degree Elbow.....	24.86	13.94
	22 11 16 00-0646	EA		1" Crimped Copper 90 Degree Elbow.....	32.93	16.59
	22 11 16 00-0647	EA		1-1/4" Crimped Copper 90 Degree Elbow.....	43.65	18.31
	22 11 16 00-0648	EA		1-1/2" Crimped Copper 90 Degree Elbow.....	61.16	20.35
	22 11 16 00-0649	EA		2" Crimped Copper 90 Degree Elbow.....	79.20	24.42
	22 11 16 00-0650	EA		2-1/2" Crimped Copper 90 Degree Elbow.....	166.38	28.49
	22 11 16 00-0651	EA		3" Crimped Copper 90 Degree Elbow.....	206.45	33.88
	22 11 16 00-0652	EA		4" Crimped Copper 90 Degree Elbow.....	259.62	44.77
	<b>22 11 16 00-0653</b>			<b>Crimped Copper 45 Degree Elbows</b> (22 11 16 00-0642)		
	22 11 16 00-0654	EA		1/2" Crimped Copper 45 Degree Elbow.....	21.06	12.21
	22 11 16 00-0655	EA		3/4" Crimped Copper 45 Degree Elbow.....	24.23	13.94
	22 11 16 00-0656	EA		1" Crimped Copper 45 Degree Elbow.....	35.76	16.59
	22 11 16 00-0657	EA		1-1/4" Crimped Copper 45 Degree Elbow.....	43.02	18.31
	22 11 16 00-0658	EA		1-1/2" Crimped Copper 45 Degree Elbow.....	55.74	20.35
	22 11 16 00-0659	EA		2" Crimped Copper 45 Degree Elbow.....	71.90	24.42
	22 11 16 00-0660	EA		2-1/2" Crimped Copper 45 Degree Elbow.....	124.41	28.49
	22 11 16 00-0661	EA		3" Crimped Copper 45 Degree Elbow.....	167.58	33.88
	22 11 16 00-0662	EA		4" Crimped Copper 45 Degree Elbow.....	229.22	44.77
	<b>22 11 16 00-0663</b>			<b>Crimped Copper Straight Tees</b> (22 11 16 00-0642)		
	22 11 16 00-0664	EA		1/2" Crimped Copper Straight Tee.....	31.08	18.31
	22 11 16 00-0665	EA		3/4" Crimped Copper Straight Tee.....	42.48	24.12
	22 11 16 00-0666	EA		1" Crimped Copper Straight Tee.....	51.66	26.76
	22 11 16 00-0667	EA		1-1/4" Crimped Copper Straight Tee.....	60.61	27.47
	22 11 16 00-0668	EA		1-1/2" Crimped Copper Straight Tee.....	84.50	31.23
	22 11 16 00-0669	EA		2" Crimped Copper Straight Tee.....	101.52	36.63
	22 11 16 00-0670	EA		2-1/2" Crimped Copper Straight Tee.....	216.87	42.73
	22 11 16 00-0671	EA		3" Crimped Copper Straight Tee.....	267.27	50.88
	22 11 16 00-0672	EA		4" Crimped Copper Straight Tee.....	368.68	67.15
	<b>22 11 16 00-0673</b>			<b>Crimped Copper Reducing Tees</b> (22 11 16 00-0642)		
	22 11 16 00-0674	EA		3/4" Crimped Copper Reducing Tee.....	35.97	17.40
	22 11 16 00-0675	EA		1" Crimped Copper Reducing Tee.....	51.73	22.90
	22 11 16 00-0676	EA		1-1/4" Crimped Copper Reducing Tee.....	55.91	25.44
	22 11 16 00-0677	EA		1-1/2" Crimped Copper Reducing Tee.....	72.63	26.15
	22 11 16 00-0678	EA		2" Crimped Copper Reducing Tee.....	86.80	29.61
	22 11 16 00-0679	EA		2-1/2" Crimped Copper Reducing Tee.....	230.34	33.58
	22 11 16 00-0680	EA		3" Crimped Copper Reducing Tee.....	280.74	40.70
	22 11 16 00-0681	EA		4" Crimped Copper Reducing Tee.....	331.35	54.23
	<b>22 11 16 00-0682</b>			<b>Crimped Copper Couplings</b> (22 11 16 00-0642)		
	22 11 16 00-0683	EA		1/2" Crimped Copper Coupling.....	20.43	12.21
	22 11 16 00-0684	EA		3/4" Crimped Copper Coupling.....	24.08	13.94
	22 11 16 00-0685	EA		1" Crimped Copper Coupling.....	31.43	16.59
	22 11 16 00-0686	EA		1-1/4" Crimped Copper Coupling.....	35.56	18.31
	22 11 16 00-0687	EA		1-1/2" Crimped Copper Coupling.....	45.61	20.35
	22 11 16 00-0688	EA		2" Crimped Copper Coupling.....	55.87	24.42
	22 11 16 00-0689	EA		2-1/2" Crimped Copper Coupling.....	104.31	28.49
	22 11 16 00-0690	EA		3" Crimped Copper Coupling.....	129.31	33.88
	22 11 16 00-0691	EA		4" Crimped Copper Coupling.....	176.05	44.77
	<b>22 11 16 00-0692</b>			<b>Crimped Copper Reducing Couplings</b> (22 11 16 00-0642)		
	22 11 16 00-0693	EA		3/4" Crimped Copper Reducing Coupling.....	27.06	11.60
	22 11 16 00-0694	EA		1" Crimped Copper Reducing Coupling.....	30.92	13.22
	22 11 16 00-0695	EA		1-1/4" Crimped Copper Reducing Coupling.....	39.80	15.77
	22 11 16 00-0696	EA		1-1/2" Crimped Copper Reducing Coupling.....	49.87	17.40
	22 11 16 00-0697	EA		2" Crimped Copper Reducing Coupling.....	55.70	19.33

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0698	EA		2-1/2" Crimped Copper FTG x C Reducing Coupling.....	107.35	23.10
22 11 16 00-0699	EA		3" Crimped Copper FTG x C Reducing Coupling.....	133.49	27.17
22 11 16 00-0700	EA		4" Crimped Copper FTG x C Reducing Coupling.....	173.65	35.92
<b>22 11 16 00-0701</b>			<b>Crimped Copper Male Adapters (22 11 16 00-0642)</b>		
22 11 16 00-0702	EA		1/2" Crimped Copper Male Adapter.....	20.91	12.21
22 11 16 00-0703	EA		3/4" Crimped Copper Male Adapter.....	25.57	13.94
22 11 16 00-0704	EA		1" Crimped Copper Male Adapter.....	33.56	16.59
22 11 16 00-0705	EA		1-1/4" Crimped Copper Male Adapter.....	46.40	18.31
22 11 16 00-0706	EA		1-1/2" Crimped Copper Male Adapter.....	57.08	20.35
22 11 16 00-0707	EA		2" Crimped Copper Male Adapter.....	87.75	24.42
22 11 16 00-0708	EA		2-1/2" Crimped Copper Male Adapter.....	166.38	28.49
22 11 16 00-0709	EA		3" Crimped Copper Male Adapter.....	206.45	33.88
22 11 16 00-0710	EA		4" Crimped Copper Male Adapter.....	247.22	44.77
<b>22 11 16 00-0711</b>			<b>Crimped Copper Female Adapters (22 11 16 00-0642)</b>		
22 11 16 00-0712	EA		1/2" Crimped Copper Female Adapter.....	21.45	12.21
22 11 16 00-0713	EA		3/4" Crimped Copper Female Adapter.....	25.97	13.94
22 11 16 00-0714	EA		1" Crimped Copper Female Adapter.....	34.35	16.59
22 11 16 00-0715	EA		1-1/4" Crimped Copper Female Adapter.....	48.75	18.31
22 11 16 00-0716	EA		1-1/2" Crimped Copper Female Adapter.....	61.48	20.35
22 11 16 00-0717	EA		2" Crimped Copper Female Adapter.....	89.17	24.42
<b>22 11 16 00-0718</b>			<b>Crimped Copper Caps (22 11 16 00-0642)</b>		
22 11 16 00-0719	EA		1/2" Crimped Copper Cap.....	13.71	6.11
22 11 16 00-0720	EA		3/4" Crimped Copper Cap.....	18.37	7.13
22 11 16 00-0721	EA		1" Crimped Copper Cap.....	24.07	8.14
22 11 16 00-0722	EA		1-1/4" Crimped Copper Cap.....	27.17	9.16
22 11 16 00-0723	EA		1-1/2" Crimped Copper Cap.....	36.58	10.48
22 11 16 00-0724	EA		2" Crimped Copper Cap.....	43.60	12.21
22 11 16 00-0725	EA		2-1/2" Crimped Copper Cap.....	102.22	14.24
22 11 16 00-0726	EA		3" Crimped Copper Cap.....	127.76	16.99
22 11 16 00-0727	EA		4" Crimped Copper Cap.....	169.93	22.38
<b>22 11 16 00-0728</b>			<b>C x F NPT Crimped Bronze Unions (22 11 16 00-0642)</b>		
22 11 16 00-0729	EA		1/2" C x F NPT Crimped Bronze Union.....	38.28	16.59
22 11 16 00-0730	EA		3/4" C x F NPT Crimped Bronze Union.....	47.75	20.45
22 11 16 00-0731	EA		1" C x F NPT Crimped Bronze Union.....	65.17	24.52
22 11 16 00-0732	EA		1-1/4" C x F NPT Crimped Bronze Union.....	78.50	28.29
22 11 16 00-0733	EA		1-1/2" C x F NPT Crimped Bronze Union.....	98.06	27.68
22 11 16 00-0734	EA		2" C x F NPT Crimped Bronze Union.....	134.95	40.09
<b>22 11 16 00-0735</b>			<b>C x C Crimped Bronze Unions (22 11 16 00-0642)</b>		
22 11 16 00-0736	EA		1/2" C x C Bronze Crimped Union.....	34.96	12.21
22 11 16 00-0737	EA		3/4" C x C Bronze Crimped Union.....	42.69	13.94
22 11 16 00-0738	EA		1" C x C Bronze Crimped Union.....	59.79	16.59
22 11 16 00-0739	EA		1-1/4" C x C Bronze Crimped Union.....	77.26	18.31
22 11 16 00-0740	EA		1-1/2" C x C Bronze Crimped Union.....	98.15	20.35
22 11 16 00-0741	EA		2" C x C Bronze Crimped Union.....	147.06	24.42
<b>22 11 16 00-0742</b>			<b>C x Flange Crimped Bronze Flange (22 11 16 00-0642)</b>		
22 11 16 00-0743	EA		2-1/2" C x Flange Crimped Bronze Flange.....	279.17	28.49
22 11 16 00-0744	EA		3" C x Flange Crimped Bronze Flange.....	305.36	33.88
22 11 16 00-0745	EA		4" C x Flange Crimped Bronze Flange.....	352.04	44.77
<b>22 11 16 00-0746</b>			<b>Field Installed FKM Seals (22 11 16 00-0642)</b>		
			Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.		
22 11 16 00-0747	EA		1/2" Field Installed FKM Seal.....	5.91	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0748	EA		3/4" Field Installed FKM Seal.....	7.38	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0749	EA		1" Field Installed FKM Seal.....	8.47	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0750	EA		1-1/4" Field Installed FKM Seal.....	9.69	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0751	EA		1-1/2" Field Installed FKM Seal.....	13.22	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0752	EA		2" Field Installed FKM Seal.....	14.81	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0753	EA		2-1/2" Field Installed FKM Seal.....	21.44	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0754	EA		3" Field Installed FKM Seal.....	24.73	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0755	EA		4" Field Installed FKM Seal.....	33.59	
			Note: To be used in conjunction with fittings.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 11 16 00-0756</b>	<b>Cut And Prepare Existing In-Place Copper Pipe</b> (22 11 16 00-0368)		
22 11 16 00-0757	EA Up To 1/2", Cut And Prepare Existing In Place Copper Pipe .....	10.18	
22 11 16 00-0758	EA 3/4", Cut And Prepare Existing In Place Copper Pipe .....	10.99	
22 11 16 00-0759	EA 1", Cut And Prepare Existing In Place Copper Pipe .....	12.37	
22 11 16 00-0760	EA 1-1/4", Cut And Prepare Existing In Place Copper Pipe .....	12.97	
22 11 16 00-0761	EA 1-1/2", Cut And Prepare Existing In Place Copper Pipe .....	13.74	
22 11 16 00-0762	EA 2", Cut And Prepare Existing In Place Copper Pipe .....	15.11	
22 11 16 00-0763	EA 2-1/2", Cut And Prepare Existing In Place Copper Pipe .....	16.28	
22 11 16 00-0764	EA 3", Cut And Prepare Existing In Place Copper Pipe .....	19.23	
22 11 16 00-0765	EA 4", Cut And Prepare Existing In Place Copper Pipe .....	25.94	
22 11 16 00-0766	EA 6", Cut And Prepare Existing In Place Copper Pipe .....	37.08	
22 11 16 00-0767	EA 8", Cut And Prepare Existing In Place Copper Pipe .....	49.45	

<b>22 11 16 00-0768</b>	<b>Sweat Brass Companion Flanges</b> (22 11 16 00-0368)		
	Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
22 11 16 00-0769	EA 1" Sweat Brass Companion Flange .....	67.75	15.65
22 11 16 00-0770	EA 1-1/4" Sweat Brass Companion Flange .....	73.89	17.24
22 11 16 00-0771	EA 1-1/2" Sweat Brass Companion Flange .....	108.34	18.75
22 11 16 00-0772	EA 2" Sweat Brass Companion Flange .....	146.95	20.80
22 11 16 00-0773	EA 2-1/2" Sweat Brass Companion Flange .....	186.39	25.02
22 11 16 00-0774	EA 3" Sweat Brass Companion Flange .....	203.30	32.80
22 11 16 00-0775	EA 4" Sweat Brass Companion Flange .....	273.61	39.08
22 11 16 00-0776	EA 5" Sweat Brass Companion Flange .....	512.68	46.18
22 11 16 00-0777	EA 6" Sweat Brass Companion Flange .....	581.64	67.10
22 11 16 00-0778	EA 8" Copper Companion Flange .....	1,383.34	95.71

<b>22 11 16 00-0779</b>	<b>Brass Compression Fittings</b> (22 11 16 00-0368)		
<b>22 11 16 00-0780</b>	<b>Brass Compression Unions</b> (22 11 16 00-0779)		
22 11 16 00-0781	EA 1/4" Brass Compression Union .....	17.55	10.99
22 11 16 00-0782	EA 3/8" Brass Compression Union .....	17.84	10.99
22 11 16 00-0783	EA 1/2" Brass Compression Union .....	18.73	10.99
22 11 16 00-0784	EA 5/8" Brass Compression Union .....	19.15	10.99
22 11 16 00-0785	EA 3/4" Brass Compression Union .....	25.02	10.99
22 11 16 00-0786	EA 3/8" x 1/4" Brass Compression Union .....	18.04	10.99
22 11 16 00-0787	EA 1/2" x 3/8" Brass Compression Union .....	18.80	10.99
22 11 16 00-0788	EA 5/8" x 3/8" Brass Compression Union .....	19.32	10.99
22 11 16 00-0789	EA 5/8" x 1/2" Brass Compression Union .....	20.16	10.99

<b>22 11 16 00-0790</b>	<b>Brass Compression Union Elbows</b> (22 11 16 00-0779)		
22 11 16 00-0791	EA 1/4" Brass Compression Union Elbow .....	18.73	10.99
22 11 16 00-0792	EA 3/8" Brass Compression Union Elbow .....	19.20	10.99
22 11 16 00-0793	EA 1/2" Brass Compression Union Elbow .....	20.25	10.99
22 11 16 00-0794	EA 5/8" Brass Compression Union Elbow .....	21.88	10.99
22 11 16 00-0795	EA 3/4" Brass Compression Union Elbow .....	28.23	10.99
22 11 16 00-0796	EA 3/8" x 1/4" Brass Compression Union Elbow .....	19.20	10.99
22 11 16 00-0797	EA 1/2" x 3/8" Brass Compression Union Elbow .....	20.25	10.99
22 11 16 00-0798	EA 5/8" x 3/8" Brass Compression Union Elbow .....	20.54	10.99
22 11 16 00-0799	EA 5/8" x 1/2" Brass Compression Union Elbow .....	25.32	10.99

<b>22 11 16 00-0800</b>	<b>Brass Compression Union Tees</b> (22 11 16 00-0779)		
22 11 16 00-0801	EA 1/4" Brass Compression Union Tee .....	19.09	10.99
22 11 16 00-0802	EA 3/8" Brass Compression Union Tee .....	20.08	10.99
22 11 16 00-0803	EA 1/2" Brass Compression Union Tee .....	21.13	10.99
22 11 16 00-0804	EA 5/8" Brass Compression Union Tee .....	24.44	10.99
22 11 16 00-0805	EA 3/4" Brass Compression Union Tee .....	35.91	10.99
22 11 16 00-0806	EA 3/8" x 3/8" x 1/4" Brass Compression Union Tee .....	20.78	10.99
22 11 16 00-0807	EA 1/2" x 1/2" x 3/8" Brass Compression Union Tee .....	26.16	10.99
22 11 16 00-0808	EA 5/8" x 5/8" x 3/8" Brass Compression Union Tee .....	25.64	10.99
22 11 16 00-0809	EA 5/8" x 5/8" x 1/2" Brass Compression Union Tee .....	26.25	10.99

<b>22 11 16 00-0810</b>	<b>Brass Compression Male Connectors</b> (22 11 16 00-0779)		
22 11 16 00-0811	EA 1/4" Brass Compression Male Connector .....	17.34	10.99
22 11 16 00-0812	EA 3/8" Brass Compression Male Connector .....	17.73	10.99
22 11 16 00-0813	EA 1/2" Brass Compression Male Connector .....	18.39	10.99
22 11 16 00-0814	EA 5/8" Brass Compression Male Connector .....	19.38	10.99
22 11 16 00-0815	EA 3/4" Brass Compression Male Connector .....	22.45	10.88

<b>22 11 16 00-0816</b>	<b>Brass Compression Female Connectors</b> (22 11 16 00-0779)		
22 11 16 00-0817	EA 1/4" Brass Compression Female Connector .....	17.76	10.99
22 11 16 00-0818	EA 3/8" Brass Compression Female Connector .....	18.26	10.99
22 11 16 00-0819	EA 1/2" Brass Compression Female Connector .....	19.10	10.99
22 11 16 00-0820	EA 5/8" Brass Compression Female Connector .....	19.70	10.99
22 11 16 00-0821	EA 3/4" Brass Compression Female Connector .....	28.42	10.78

<b>22 11 16 00-0822</b>	<b>Dielectric Fittings</b> (22 11 16 00-0368)		
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0823			<b>Copper x Female Iron Pipe Thread Dielectric Unions</b> (22 11 16 00-0822)		
22 11 16 00-0824	EA		1/2" Copper x Female Iron Pipe Thread Dielectric Union.....	43.93	24.42
22 11 16 00-0825	EA		3/4" Copper x Female Iron Pipe Thread Dielectric Union.....	49.01	27.88
22 11 16 00-0826	EA		1" Copper x Female Iron Pipe Thread Dielectric Union.....	58.62	30.65
22 11 16 00-0827	EA		1-1/4" Copper x Female Iron Pipe Thread Dielectric Union.....	71.41	33.73
22 11 16 00-0828	EA		1-1/2" Copper x Female Iron Pipe Thread Dielectric Union.....	86.73	37.48
22 11 16 00-0829	EA		2" Copper x Female Iron Pipe Thread Dielectric Union.....	110.46	44.98
22 11 16 00-0830			<b>Female Brass Thread x Iron Pipe Thread Dielectric Unions</b> (22 11 16 00-0822)		
22 11 16 00-0831	EA		1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	48.54	24.42
22 11 16 00-0832	EA		3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	56.60	27.88
22 11 16 00-0833	EA		1" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	68.63	30.65
22 11 16 00-0834	EA		1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	84.69	33.73
22 11 16 00-0835	EA		1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	103.16	37.48
22 11 16 00-0836	EA		2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	129.73	44.98
22 11 16 00-0837			<b>Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions</b> (22 11 16 00-0822)		
22 11 16 00-0838	EA		1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	45.62	24.42
22 11 16 00-0839	EA		3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	51.78	27.88
22 11 16 00-0840	EA		1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	59.35	30.65
22 11 16 00-0841	EA		1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	68.84	33.73
22 11 16 00-0842	EA		1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	84.19	37.48
22 11 16 00-0843	EA		2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	108.42	44.98
22 11 16 00-0844			<b>Copper x Female Iron Pipe Thread Dielectric Flanges</b> (22 11 16 00-0822)		
22 11 16 00-0845	EA		2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange.....	268.21	115.63
22 11 16 00-0846	EA		3" Copper x Female Iron Pipe Thread Dielectric Flange.....	335.69	145.62
22 11 16 00-0847	EA		4" Copper x Female Iron Pipe Thread Dielectric Flange.....	474.11	198.19
22 11 16 00-0848			<b>Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges</b> (22 11 16 00-0822)		
22 11 16 00-0849	EA		2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	270.12	115.63
22 11 16 00-0850	EA		3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	350.80	145.62
22 11 16 00-0851	EA		4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	648.47	198.19
22 11 16 00-0852			<b>Brass Push-Fit Fittings</b> (22 11 16)		
22 11 16 00-0853	EA		1/4" x 1/4" Brass Push-Fit Coupling.....	20.89	10.18
			Note: (Sharkbite)		
22 11 16 00-0854	EA		3/8" x 3/8" Brass Push-Fit Coupling.....	25.54	10.85
			Note: (Sharkbite)		
22 11 16 00-0855	EA		1/2" x 1/2" Brass Push-Fit Coupling.....	26.68	12.21
			Note: (Sharkbite)		
22 11 16 00-0856	EA		5/8" x 5/8" Brass Push-Fit Coupling.....	30.48	13.02
			Note: (Sharkbite)		
22 11 16 00-0857	EA		3/4" x 3/4" Brass Push-Fit Coupling.....	31.21	13.91
			Note: (Sharkbite)		
22 11 16 00-0858	EA		1" x 1" Brass Push-Fit Coupling.....	43.21	16.62
			Note: (Sharkbite)		
22 11 16 00-0859	EA		1/2" x 3/8" Brass Push-Fit Reducing Coupling.....	26.10	11.53
			Note: (Sharkbite)		
22 11 16 00-0860	EA		3/4" x 5/8" Brass Push-Fit Reducing Coupling.....	30.07	12.62
			Note: (Sharkbite)		
22 11 16 00-0861	EA		1" x 3/4" Brass Push-Fit Reducing Coupling.....	44.01	15.26
			Note: (Sharkbite)		
22 11 16 00-0862	EA		1/4" x 1/4" Brass Push-Fit Elbow.....	21.70	10.18
			Note: (Sharkbite)		
22 11 16 00-0863	EA		3/8" x 3/8" Brass Push-Fit Elbow.....	29.00	10.85
			Note: (Sharkbite)		
22 11 16 00-0864	EA		1/2" x 1/2" Brass Push-Fit Elbow.....	27.12	12.21
			Note: (Sharkbite)		
22 11 16 00-0865	EA		5/8" x 5/8" Brass Push-Fit Elbow.....	32.49	13.02
			Note: (Sharkbite)		
22 11 16 00-0866	EA		3/4" x 3/4" Brass Push-Fit Elbow.....	30.64	13.91
			Note: (Sharkbite)		
22 11 16 00-0867	EA		1" x 1" Brass Push-Fit Elbow.....	43.66	16.62
			Note: (Sharkbite)		
22 11 16 00-0868	EA		1/2" x 3/8" Brass Push-Fit Reducing Elbow.....	25.73	11.53
			Note: (Sharkbite)		
22 11 16 00-0869	EA		3/4" x 1/2" Brass Push-Fit Reducing Elbow.....	28.63	12.62
			Note: (Sharkbite)		
22 11 16 00-0870	EA		1" x 3/4" Brass Push-Fit Reducing Elbow.....	53.93	15.26
			Note: (Sharkbite)		
22 11 16 00-0871	EA		1/4" x 1/4" x 1/4" Brass Push-Fit Tee.....	32.90	15.26
			Note: (Sharkbite)		
22 11 16 00-0872	EA		3/8" x 3/8" x 3/8" Brass Push-Fit Tee.....	40.98	16.28
			Note: (Sharkbite)		
22 11 16 00-0873	EA		1/2" x 1/2" x 1/2" Brass Push-Fit Tee.....	38.28	18.31
			Note: (Sharkbite)		
22 11 16 00-0874	EA		5/8" x 5/8" x 5/8" Brass Push-Fit Tee.....	47.90	19.53
			Note: (Sharkbite)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0875 EA 3/4" x 3/4" x 3/4" Brass Push-Fit Tee ..... Note: (Sharkbite)	44.54	20.86
22 11 16 00-0876 EA 1" x 1" x 1" Brass Push-Fit Tee ..... Note: (Sharkbite)	60.10	24.92
22 11 16 00-0877 EA 1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee ..... Note: (Sharkbite)	42.23	17.29
22 11 16 00-0878 EA 1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee ..... Note: (Sharkbite)	42.53	17.64
22 11 16 00-0879 EA 3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee ..... Note: (Sharkbite)	42.97	20.02
22 11 16 00-0880 EA 1" x 1" x 3/4" Brass Push-Fit Reducing Tee ..... Note: (Sharkbite)	58.17	23.57
22 11 16 00-0881 EA 1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector ..... Note: (Sharkbite)	24.67	11.20
22 11 16 00-0882 EA 3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector ..... Note: (Sharkbite)	24.47	11.53
22 11 16 00-0883 EA 1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector ..... Note: (Sharkbite)	24.37	12.21
22 11 16 00-0884 EA 3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector ..... Note: (Sharkbite)	27.90	13.91
22 11 16 00-0885 EA 1" x 1" Brass Push-Fit Pipe To FNPT Connector ..... Note: (Sharkbite)	38.55	16.62
22 11 16 00-0886 EA 1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector ..... Note: (Sharkbite)	21.89	11.20
22 11 16 00-0887 EA 3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector ..... Note: (Sharkbite)	24.47	11.53
22 11 16 00-0888 EA 1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector ..... Note: (Sharkbite)	24.43	12.21
22 11 16 00-0889 EA 3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector ..... Note: (Sharkbite)	27.64	13.91
22 11 16 00-0890 EA 5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector ..... Note: (Sharkbite)	29.68	13.46
22 11 16 00-0891 EA 1" x 3/4" Brass Push-Fit Pipe To MNPT Connector ..... Note: (Sharkbite)	35.42	15.26
22 11 16 00-0892 EA 1" x 1" Brass Push-Fit Pipe To MNPT Connector ..... Note: (Sharkbite)	39.06	16.62
22 11 16 00-0893 EA 1/2" Brass Push-Fit Ball Valve ..... Note: (Sharkbite)	33.99	12.21
22 11 16 00-0894 EA 3/4" Brass Push-Fit Ball Valve ..... Note: (Sharkbite)	39.67	13.91
22 11 16 00-0895 EA 1" Brass Push-Fit Ball Valve ..... Note: (Sharkbite)	52.01	16.62
22 11 16 00-0896 EA 1/2" Brass Push-Fit Check Valve ..... Note: (Sharkbite)	36.23	12.21
22 11 16 00-0897 EA 3/4" Brass Push-Fit Check Valve ..... Note: (Sharkbite)	43.45	13.91
22 11 16 00-0898 EA 1" Brass Push-Fit Check Valve ..... Note: (Sharkbite)	71.65	16.62
<b>22 11 16 00-0899 Copper Pipe Assemblies</b> <small>(22 11 16)</small> Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.		
22 11 16 00-0900 LF 1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -1.82 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 2.61 <i>For For Brazed Fittings, Add</i> 0.64 <i>For Work In Restricted Working Space, Add</i> 4.77 <i>For Type K Tubing Instead Of Type L, Add</i> 1.43 <i>For Type M Tubing Instead Of Type L, Deduct</i> -1.18	20.46	2.85
22 11 16 00-0901 LF 3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -2.09 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 2.99 <i>For For Brazed Fittings, Add</i> 0.72 <i>For Work In Restricted Working Space, Add</i> 5.41 <i>For Type K Tubing Instead Of Type L, Add</i> 1.71 <i>For Type M Tubing Instead Of Type L, Deduct</i> -1.40	23.69	3.66
22 11 16 00-0902 LF 1" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -2.26 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 3.21 <i>For For Brazed Fittings, Add</i> 0.76 <i>For Work In Restricted Working Space, Add</i> 5.67 <i>For Type K Tubing Instead Of Type L, Add</i> 2.05 <i>For Type M Tubing Instead Of Type L, Deduct</i> -1.65	26.31	4.37

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0903	LF		1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i>	29.89 -2.48 -1.03 3.46 0.79 5.89 2.57 -2.02	5.09
22 11 16 00-0904	LF		1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i>	33.45 -2.72 -1.25 3.77 0.84 6.28 3.02 -2.34	5.80
22 11 16 00-0905	LF		2" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i>	42.55 -3.33 -1.85 4.54 0.96 7.23 4.18 -3.18	7.23
22 11 16 00-0906	LF		2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i>	53.30 -3.96 -2.74 5.25 1.03 7.76 5.82 -4.33	8.71
22 11 16 00-0907	LF		3" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i>	65.69 -4.68 -3.77 6.08 1.12 8.40 7.69 -5.64	10.12
22 11 16 00-0908	LF		4" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i>	104.22 -7.02 -6.80 8.83 1.45 10.86 13.31 -9.61	13.40
22 11 16 00-0909	LF		5" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i>	194.31 -12.04 -14.78 14.36 1.86 13.94 27.64 -19.60	16.68
22 11 16 00-0910	LF		6" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i>	254.58 -15.68 -19.56 18.63 2.36 17.71 36.47 -25.83	20.15
22 11 16 00-0911	LF		8" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i>	589.44 -33.14 -51.61 36.81 2.93 22.01 92.94 -64.86	24.08



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 16 00-0912		Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings <small>(22 11 16)</small> Note: Socket weld.		
22 11 16 00-0913		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings <small>(22 11 16 00-0912)</small>		
22 11 16 00-0914		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe <small>(22 11 16 00-0913)</small>		
22 11 16 00-0915	LF	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	6.53 1.12	1.50
22 11 16 00-0916	LF	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	7.73 1.18	1.57
22 11 16 00-0917	LF	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	9.82 1.27	1.69
22 11 16 00-0918	LF	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	12.34 1.39	1.85
22 11 16 00-0919	LF	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	14.44 1.53	2.05
22 11 16 00-0920	LF	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	18.65 1.71	2.29
22 11 16 00-0921	LF	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	26.28 1.95	2.59
22 11 16 00-0922	LF	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	34.10 2.30	3.08
22 11 16 00-0923	LF	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	48.21 2.84	3.77
22 11 16 00-0924	LF	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	86.98 3.60	4.80
22 11 16 00-0925	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	126.34 4.72	6.29
22 11 16 00-0926		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows <small>(22 11 16 00-0913)</small>		
22 11 16 00-0927	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	22.16 5.34	7.12
22 11 16 00-0928	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	29.25 6.75	8.99
22 11 16 00-0929	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	38.89 8.46	11.24
22 11 16 00-0930	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	55.82 10.57	14.06
22 11 16 00-0931	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	62.22 11.69	15.56
22 11 16 00-0932	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	74.81 13.04	15.56
22 11 16 00-0933	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	131.09 14.84	19.77
22 11 16 00-0934	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	147.16 17.54	23.43
22 11 16 00-0935	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	219.86 21.59	28.77
22 11 16 00-0936	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	276.84 27.44	36.54
22 11 16 00-0937	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	573.64 35.99	47.98
22 11 16 00-0938		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows <small>(22 11 16 00-0913)</small>		
22 11 16 00-0939	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	24.33 5.34	7.12
22 11 16 00-0940	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	31.85 6.75	8.99
22 11 16 00-0941	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	43.11 8.46	11.24
22 11 16 00-0942	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	61.37 10.57	14.06
22 11 16 00-0943	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	68.98 11.69	15.56
22 11 16 00-0944	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	77.11 13.04	17.43
22 11 16 00-0945	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	132.54 14.84	19.77
22 11 16 00-0946	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	146.97 17.54	23.43
22 11 16 00-0947	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	193.36 21.59	28.77
22 11 16 00-0948	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	326.51 27.44	36.54
22 11 16 00-0949	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	608.83 35.99	47.98
22 11 16 00-0950		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees <small>(22 11 16 00-0913)</small>		
22 11 16 00-0951	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	34.61 8.01	10.68
22 11 16 00-0952	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	46.35 10.12	13.49

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0953	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	57.87 12.71	16.96
22 11 16 00-0954	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	85.57 15.86	21.18
22 11 16 00-0955	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	95.97 17.54	23.43
22 11 16 00-0956	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	121.14 19.57	26.05
22 11 16 00-0957	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	166.08 22.27	29.71
22 11 16 00-0958	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	187.66 26.31	35.05
22 11 16 00-0959	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	226.02 32.39	43.20
22 11 16 00-0960	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	367.90 41.16	54.92
22 11 16 00-0961	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	840.41 53.98	71.97
<b>22 11 16 00-0962</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses</b> <small>(22 11 16 00-0913)</small>		
22 11 16 00-0963	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	42.42 10.68	14.25
22 11 16 00-0964	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	55.85 13.49	17.99
22 11 16 00-0965	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	69.78 16.92	22.59
22 11 16 00-0966	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	98.65 21.14	28.20
22 11 16 00-0967	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	110.26 23.39	31.21
22 11 16 00-0968	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	135.12 26.09	34.77
22 11 16 00-0969	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	178.07 29.69	39.55
22 11 16 00-0970	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	203.04 35.09	46.76
22 11 16 00-0971	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	245.63 43.18	57.54
22 11 16 00-0972	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	381.63 54.88	73.19
22 11 16 00-0973	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	808.80 71.97	95.96
<b>22 11 16 00-0974</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts</b> <small>(22 11 16 00-0913)</small>		
22 11 16 00-0975	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	19.10 4.95	6.55
22 11 16 00-0976	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	27.27 6.66	8.90
22 11 16 00-0977	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	52.23 8.72	11.62
22 11 16 00-0978	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	59.49 9.64	12.84
22 11 16 00-0979	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	71.81 10.77	14.34
22 11 16 00-0980	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	76.78 12.26	16.31
22 11 16 00-0981	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	94.26 14.48	19.30
22 11 16 00-0982	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	133.12 17.82	23.71
22 11 16 00-0983	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	232.45 22.63	30.17
22 11 16 00-0984	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	571.35 29.69	39.55
<b>22 11 16 00-0985</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts</b> <small>(22 11 16 00-0913)</small>		
22 11 16 00-0986	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	28.74 3.52	4.69
22 11 16 00-0987	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	34.85 4.95	6.55
22 11 16 00-0988	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	41.88 6.66	8.90
22 11 16 00-0989	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	50.96 8.72	11.62
22 11 16 00-0990	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	61.36 9.64	12.84
22 11 16 00-0991	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	81.11 10.77	14.34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0992	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	137.50	16.31
			<i>For Work In Restricted Working Space, Add</i>	12.26	
22 11 16 00-0993	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	300.70	19.30
			<i>For Work In Restricted Working Space, Add</i>	14.48	
22 11 16 00-0994	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	457.27	23.71
			<i>For Work In Restricted Working Space, Add</i>	17.82	
<b>22 11 16 00-0995</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters</b> <small>(22 11 16 00-0913)</small>		
22 11 16 00-0996	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	18.24	4.69
			<i>For Work In Restricted Working Space, Add</i>	3.52	
22 11 16 00-0997	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	25.31	6.55
			<i>For Work In Restricted Working Space, Add</i>	4.95	
22 11 16 00-0998	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	37.05	8.90
			<i>For Work In Restricted Working Space, Add</i>	6.66	
22 11 16 00-0999	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	50.96	11.62
			<i>For Work In Restricted Working Space, Add</i>	8.72	
22 11 16 00-1000	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	61.78	12.84
			<i>For Work In Restricted Working Space, Add</i>	9.64	
22 11 16 00-1001	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	75.97	14.34
			<i>For Work In Restricted Working Space, Add</i>	10.77	
22 11 16 00-1002	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	116.74	16.31
			<i>For Work In Restricted Working Space, Add</i>	12.26	
22 11 16 00-1003	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	140.01	19.30
			<i>For Work In Restricted Working Space, Add</i>	14.48	
22 11 16 00-1004	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	214.54	23.71
			<i>For Work In Restricted Working Space, Add</i>	17.82	
<b>22 11 16 00-1005</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters</b> <small>(22 11 16 00-0913)</small>		
22 11 16 00-1006	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	20.72	4.69
			<i>For Work In Restricted Working Space, Add</i>	3.52	
22 11 16 00-1007	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	26.10	6.55
			<i>For Work In Restricted Working Space, Add</i>	4.95	
22 11 16 00-1008	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	37.26	8.90
			<i>For Work In Restricted Working Space, Add</i>	6.66	
22 11 16 00-1009	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	51.69	11.62
			<i>For Work In Restricted Working Space, Add</i>	8.72	
22 11 16 00-1010	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	58.46	12.84
			<i>For Work In Restricted Working Space, Add</i>	9.64	
22 11 16 00-1011	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	73.26	14.34
			<i>For Work In Restricted Working Space, Add</i>	10.77	
22 11 16 00-1012	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	118.31	16.31
			<i>For Work In Restricted Working Space, Add</i>	12.26	
22 11 16 00-1013	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	167.42	19.30
			<i>For Work In Restricted Working Space, Add</i>	14.48	
22 11 16 00-1014	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	261.14	23.71
			<i>For Work In Restricted Working Space, Add</i>	17.82	
<b>22 11 16 00-1015</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings</b> <small>(22 11 16 00-0913)</small>		
22 11 16 00-1016	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	16.23	4.31
			<i>For Work In Restricted Working Space, Add</i>	3.20	
22 11 16 00-1017	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	22.84	6.00
			<i>For Work In Restricted Working Space, Add</i>	4.50	
22 11 16 00-1018	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	30.72	8.06
			<i>For Work In Restricted Working Space, Add</i>	6.05	
22 11 16 00-1019	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	42.19	10.59
			<i>For Work In Restricted Working Space, Add</i>	7.93	
22 11 16 00-1020	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	49.09	11.72
			<i>For Work In Restricted Working Space, Add</i>	8.77	
22 11 16 00-1021	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	55.67	13.03
			<i>For Work In Restricted Working Space, Add</i>	9.78	
22 11 16 00-1022	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	92.40	14.80
			<i>For Work In Restricted Working Space, Add</i>	11.13	
22 11 16 00-1023	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	99.70	17.53
			<i>For Work In Restricted Working Space, Add</i>	13.16	
22 11 16 00-1024	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	127.14	21.55
			<i>For Work In Restricted Working Space, Add</i>	16.19	
22 11 16 00-1025	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	212.92	27.46
			<i>For Work In Restricted Working Space, Add</i>	20.58	
22 11 16 00-1026	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	382.42	35.98
			<i>For Work In Restricted Working Space, Add</i>	26.99	
<b>22 11 16 00-1027</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions</b> <small>(22 11 16 00-0913)</small>		
22 11 16 00-1028	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	36.50	5.15
			<i>For Work In Restricted Working Space, Add</i>	3.85	
22 11 16 00-1029	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	42.80	7.22
			<i>For Work In Restricted Working Space, Add</i>	5.40	
22 11 16 00-1030	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	49.77	9.65
			<i>For Work In Restricted Working Space, Add</i>	7.25	
22 11 16 00-1031	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	91.86	12.66
			<i>For Work In Restricted Working Space, Add</i>	9.50	

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1032	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	96.32 10.52	14.06
22 11 16 00-1033	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	140.82 11.75	15.65
22 11 16 00-1034	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	255.30 13.35	17.81
22 11 16 00-1035	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	371.21 15.80	21.09
22 11 16 00-1036	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	606.27 19.43	25.87
22 11 16 00-1037	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	813.64 24.68	32.89
22 11 16 00-1038	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	1,001.32 32.39	43.20
<b>22 11 16 00-1039</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps</b> (22 11 16 00-0913)		
22 11 16 00-1040	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	15.45 2.01	4.41
22 11 16 00-1041	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	20.86 2.53	5.53
22 11 16 00-1042	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	32.55 3.17	6.94
22 11 16 00-1043	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	37.30 3.96	5.24
22 11 16 00-1044	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	39.19 4.39	5.81
22 11 16 00-1045	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	55.87 4.89	6.55
22 11 16 00-1046	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	89.78 5.57	7.40
22 11 16 00-1047	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	94.79 6.58	8.81
22 11 16 00-1048	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	149.88 8.09	10.78
22 11 16 00-1049	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	340.10 10.29	13.68
22 11 16 00-1050	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	437.65 13.49	17.99
<b>22 11 16 00-1051</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges</b> (22 11 16 00-0913)		
22 11 16 00-1052	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	29.66 2.56	3.38
22 11 16 00-1053	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	34.63 3.60	4.78
22 11 16 00-1054	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	41.34 4.83	6.46
22 11 16 00-1055	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	47.14 6.35	8.43
22 11 16 00-1056	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	49.99 7.03	9.37
22 11 16 00-1057	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	61.37 7.82	10.41
22 11 16 00-1058	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	84.83 8.91	11.90
22 11 16 00-1059	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	95.17 10.52	14.06
22 11 16 00-1060	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	119.38 12.96	17.24
22 11 16 00-1061	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	174.68 16.48	21.93
22 11 16 00-1062	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	342.16 21.59	28.77
<b>22 11 16 00-1063</b>			<b>Red Brass Pipe And Fittings</b> (22 11 16) Note: ASTM B43 And B251 (Pipe), ASME B16.15.		
<b>22 11 16 00-1064</b>			<b>Schedule 40 Red Brass Pipe</b> (22 11 16 00-1063)		
22 11 16 00-1065	LF		1/2" Schedule 40 Red Brass Pipe.....	15.04	1.97
22 11 16 00-1066	LF		3/4" Schedule 40 Red Brass Pipe.....	19.28	1.97
22 11 16 00-1067	LF		1" Schedule 40 Red Brass Pipe.....	25.60	1.97
22 11 16 00-1068	LF		1-1/4" Schedule 40 Red Brass Pipe.....	36.81	2.16
22 11 16 00-1069	LF		1-1/2" Schedule 40 Red Brass Pipe.....	42.19	2.34
22 11 16 00-1070	LF		2" Schedule 40 Red Brass Pipe.....	53.89	2.81
22 11 16 00-1071	LF		2-1/2" Schedule 40 Red Brass Pipe.....	77.49	3.19
22 11 16 00-1072	LF		3" Schedule 40 Red Brass Pipe.....	108.38	3.38
22 11 16 00-1073	LF		4" Schedule 40 Red Brass Pipe.....	154.30	3.38
<b>22 11 16 00-1074</b>			<b>125 LB Cast Bronze, Screwed, 90 Degree Elbows</b> (22 11 16 00-1063)		
22 11 16 00-1075	EA		1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	53.76	23.33
22 11 16 00-1076	EA		3/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	60.80	25.67
22 11 16 00-1077	EA		1" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	76.08	30.36
22 11 16 00-1078	EA		1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	90.27	32.61
22 11 16 00-1079	EA		1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	100.86	34.95

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1080	EA			2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow .....	124.52	37.30
22 11 16 00-1081	EA			2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow .....	208.55	46.67
22 11 16 00-1082	EA			3" 125 LB Cast Bronze, Screwed, 90 Degree Elbow .....	287.97	55.95
22 11 16 00-1083	EA			4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow .....	505.64	74.59
<b>22 11 16 00-1084</b>				<b>125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbows (22 11 16 00-1063)</b>		
22 11 16 00-1085	EA			1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	56.14	23.33
22 11 16 00-1086	EA			3/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	64.26	25.67
22 11 16 00-1087	EA			1" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	83.31	30.36
22 11 16 00-1088	EA			1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	99.75	32.61
22 11 16 00-1089	EA			1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	113.92	34.95
22 11 16 00-1090	EA			2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	153.03	37.30
22 11 16 00-1091	EA			2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	232.30	46.67
22 11 16 00-1092	EA			3" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	360.97	55.95
22 11 16 00-1093	EA			4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	712.25	74.59
<b>22 11 16 00-1094</b>				<b>125 LB Cast Bronze, Screwed, 45 Degree Elbows (22 11 16 00-1063)</b>		
22 11 16 00-1095	EA			1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	54.97	23.33
22 11 16 00-1096	EA			3/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	63.17	25.67
22 11 16 00-1097	EA			1" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	80.84	30.36
22 11 16 00-1098	EA			1-1/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	97.39	32.61
22 11 16 00-1099	EA			1-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	110.35	34.95
22 11 16 00-1100	EA			2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	139.96	37.30
22 11 16 00-1101	EA			2-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	218.02	46.67
22 11 16 00-1102	EA			3" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	304.18	55.95
22 11 16 00-1103	EA			4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	664.24	74.59
<b>22 11 16 00-1104</b>				<b>125 LB Cast Bronze, Screwed, Tees (22 11 16 00-1063)</b>		
22 11 16 00-1105	EA			1/2" 125 LB Cast Bronze, Screwed, Tee .....	78.28	34.95
22 11 16 00-1106	EA			3/4" 125 LB Cast Bronze, Screwed, Tee .....	88.36	38.24
22 11 16 00-1107	EA			1" 125 LB Cast Bronze, Screwed, Tee .....	111.88	45.26
22 11 16 00-1108	EA			1-1/4" 125 LB Cast Bronze, Screwed, Tee .....	134.78	49.01
22 11 16 00-1109	EA			1-1/2" 125 LB Cast Bronze, Screwed, Tee .....	146.06	52.19
22 11 16 00-1110	EA			2" 125 LB Cast Bronze, Screwed, Tee .....	180.84	55.95
22 11 16 00-1111	EA			2-1/2" 125 LB Cast Bronze, Screwed, Tee .....	296.74	70.00
22 11 16 00-1112	EA			3" 125 LB Cast Bronze, Screwed, Tee .....	407.64	83.96
22 11 16 00-1113	EA			4" 125 LB Cast Bronze, Screwed, Tee .....	817.85	111.89
<b>22 11 16 00-1114</b>				<b>125 LB Cast Bronze, Screwed, Reducing Tees (22 11 16 00-1063)</b>		
22 11 16 00-1115	EA			1/2" 125 LB Cast Bronze, Screwed, Reducing Tee .....	81.83	34.95
22 11 16 00-1116	EA			3/4" 125 LB Cast Bronze, Screwed, Reducing Tee .....	90.75	38.24
22 11 16 00-1117	EA			1" 125 LB Cast Bronze, Screwed, Reducing Tee .....	121.38	45.26
22 11 16 00-1118	EA			1-1/4" 125 LB Cast Bronze, Screwed, Reducing Tee .....	141.91	49.01
22 11 16 00-1119	EA			1-1/2" 125 LB Cast Bronze, Screwed, Reducing Tee .....	165.06	52.19
22 11 16 00-1120	EA			2" 125 LB Cast Bronze, Screwed, Reducing Tee .....	210.54	55.95
22 11 16 00-1121	EA			2-1/2" 125 LB Cast Bronze, Screwed, Reducing Tee .....	354.50	70.00
22 11 16 00-1122	EA			3" 125 LB Cast Bronze, Screwed, Reducing Tee .....	658.65	83.96
22 11 16 00-1123	EA			4" 125 LB Cast Bronze, Screwed, Reducing Tee .....	1,015.85	111.89
<b>22 11 16 00-1124</b>				<b>125 LB Cast Bronze, Screwed, Crosses (22 11 16 00-1063)</b>		
22 11 16 00-1125	EA			1/2" 125 LB Cast Bronze, Screwed, Cross .....	109.93	46.67
22 11 16 00-1126	EA			3/4" 125 LB Cast Bronze, Screwed, Cross .....	126.37	51.26
22 11 16 00-1127	EA			1" 125 LB Cast Bronze, Screwed, Cross .....	158.10	60.63
22 11 16 00-1128	EA			1-1/4" 125 LB Cast Bronze, Screwed, Cross .....	192.92	65.31
22 11 16 00-1129	EA			1-1/2" 125 LB Cast Bronze, Screwed, Cross .....	225.78	70.00
22 11 16 00-1130	EA			2" 125 LB Cast Bronze, Screwed, Cross .....	320.91	74.59
22 11 16 00-1131	EA			2-1/2" 125 LB Cast Bronze, Screwed, Cross .....	511.32	93.24
22 11 16 00-1132	EA			3" 125 LB Cast Bronze, Screwed, Cross .....	700.26	111.89
22 11 16 00-1133	EA			4" 125 LB Cast Bronze, Screwed, Cross .....	1,272.81	149.28
<b>22 11 16 00-1134</b>				<b>125 LB Cast Bronze, Screwed, Caps (22 11 16 00-1063)</b>		
22 11 16 00-1135	EA			1/2" 125 LB Cast Bronze, Screwed, Cap .....	25.73	13.87
22 11 16 00-1136	EA			3/4" 125 LB Cast Bronze, Screwed, Cap .....	29.04	15.28
22 11 16 00-1137	EA			1" 125 LB Cast Bronze, Screwed, Cap .....	38.07	17.99
22 11 16 00-1138	EA			1-1/4" 125 LB Cast Bronze, Screwed, Cap .....	48.38	19.40
22 11 16 00-1139	EA			1-1/2" 125 LB Cast Bronze, Screwed, Cap .....	56.45	20.80
22 11 16 00-1140	EA			2" 125 LB Cast Bronze, Screwed, Cap .....	76.36	22.20
22 11 16 00-1141	EA			2-1/2" 125 LB Cast Bronze, Screwed, Cap .....	120.36	27.74
22 11 16 00-1142	EA			3" 125 LB Cast Bronze, Screwed, Cap .....	171.58	33.27
22 11 16 00-1143	EA			4" 125 LB Cast Bronze, Screwed, Cap .....	298.29	44.33
<b>22 11 16 00-1144</b>				<b>125 LB Cast Bronze, Screwed, Couplings (22 11 16 00-1063)</b>		
22 11 16 00-1145	EA			1/2" 125 LB Cast Bronze, Screwed, Coupling .....	52.59	23.33
22 11 16 00-1146	EA			3/4" 125 LB Cast Bronze, Screwed, Coupling .....	59.63	25.67
22 11 16 00-1147	EA			1" 125 LB Cast Bronze, Screwed, Coupling .....	74.88	30.36
22 11 16 00-1148	EA			1-1/4" 125 LB Cast Bronze, Screwed, Coupling .....	89.06	32.61
22 11 16 00-1149	EA			1-1/2" 125 LB Cast Bronze, Screwed, Coupling .....	100.86	34.95

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1150	EA		2" 125 LB Cast Bronze, Screwed, Coupling.....	125.71	37.30
22 11 16 00-1151	EA		2-1/2" 125 LB Cast Bronze, Screwed, Coupling.....	176.45	46.67
22 11 16 00-1152	EA		3" 125 LB Cast Bronze, Screwed, Coupling.....	227.20	55.95
22 11 16 00-1153	EA		4" 125 LB Cast Bronze, Screwed, Coupling.....	386.83	74.59
<b>22 11 16 00-1154</b>			<b>125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducers</b>		
			<small>(22 11 16 00-1063)</small>		
22 11 16 00-1155	EA		1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	46.02	18.65
22 11 16 00-1156	EA		3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	52.49	20.99
22 11 16 00-1157	EA		1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	71.14	28.02
22 11 16 00-1158	EA		1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	84.31	30.36
22 11 16 00-1159	EA		1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	95.14	32.61
22 11 16 00-1160	EA		2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	114.11	34.95
22 11 16 00-1161	EA		2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	164.89	44.33
22 11 16 00-1162	EA		3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	199.51	51.26
22 11 16 00-1163	EA		4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	342.48	67.65
<b>22 11 16 00-1164</b>			<b>125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducers</b>		
			<small>(22 11 16 00-1063)</small>		
22 11 16 00-1165	EA		3/4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	47.00	18.65
22 11 16 00-1166	EA		1" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	83.21	25.67
22 11 16 00-1167	EA		1-1/4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	107.99	28.02
22 11 16 00-1168	EA		1-1/2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	125.90	30.36
22 11 16 00-1169	EA		2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	166.80	34.95
22 11 16 00-1170	EA		2-1/2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	254.73	44.33
22 11 16 00-1171	EA		3" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	306.33	46.67
22 11 16 00-1172	EA		4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	349.39	60.63
<b>22 11 16 00-1173</b>			<b>125 LB Cast Bronze, FIP Threaded, Unions</b>		
			<small>(22 11 16 00-1063)</small>		
22 11 16 00-1174	EA		1/2" 125 LB Cast Bronze, FIP Threaded, Union.....	56.32	18.65
			<i>For 150 LB, Add</i>	7.60	
22 11 16 00-1175	EA		3/4" 125 LB Cast Bronze, FIP Threaded, Union.....	67.17	20.52
			<i>For 150 LB, Add</i>	10.45	
22 11 16 00-1176	EA		1" 125 LB Cast Bronze, FIP Threaded, Union.....	82.96	24.27
			<i>For 150 LB, Add</i>	13.78	
22 11 16 00-1177	EA		1-1/4" 125 LB Cast Bronze, FIP Threaded, Union.....	102.12	26.15
			<i>For 150 LB, Add</i>	19.95	
22 11 16 00-1178	EA		1-1/2" 125 LB Cast Bronze, FIP Threaded, Union.....	115.39	28.02
			<i>For 150 LB, Add</i>	23.77	
22 11 16 00-1179	EA		2" 125 LB Cast Bronze, FIP Threaded, Union.....	136.02	31.67
			<i>For 150 LB, Add</i>	29.04	
22 11 16 00-1180	EA		2-1/2" 125 LB Cast Bronze, FIP Threaded, Union.....	233.27	46.85
			<i>For 150 LB, Add</i>	55.82	
			<i>For 250 LB, Add</i>	118.63	
			<i>For 300 LB, Add</i>	167.47	
22 11 16 00-1181	EA		3" 125 LB Cast Bronze, FIP Threaded, Union.....	338.85	61.61
			<i>For 150 LB, Add</i>	86.25	
			<i>For 250 LB, Add</i>	183.28	
			<i>For 300 LB, Add</i>	258.74	
22 11 16 00-1182	EA		4" 125 LB Cast Bronze, FIP Threaded, Union.....	612.16	68.22
			<i>For 150 LB, Add</i>	190.25	
			<i>For 250 LB, Add</i>	404.28	
			<i>For 300 LB, Add</i>	570.74	
<b>22 11 16 00-1183</b>			<b>125 LB Cast Bronze, Screwed, Companion Flanges</b>		
			<small>(22 11 16 00-1063)</small>		
			Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
22 11 16 00-1184	EA		1/2" 125 LB Cast Bronze, Screwed, Companion Flange.....	151.96	23.33
22 11 16 00-1185	EA		3/4" 125 LB Cast Bronze, Screwed, Companion Flange.....	166.14	28.02
22 11 16 00-1186	EA		1" 125 LB Cast Bronze, Screwed, Companion Flange.....	190.56	32.61
22 11 16 00-1187	EA		1-1/4" 125 LB Cast Bronze, Screwed, Companion Flange.....	216.83	34.95
22 11 16 00-1188	EA		1-1/2" 125 LB Cast Bronze, Screwed, Companion Flange.....	256.04	37.30
22 11 16 00-1189	EA		2" 125 LB Cast Bronze, Screwed, Companion Flange.....	321.22	39.64
22 11 16 00-1190	EA		2-1/2" 125 LB Cast Bronze, Screwed, Companion Flange.....	404.32	46.67
22 11 16 00-1191	EA		3" 125 LB Cast Bronze, Screwed, Companion Flange.....	501.07	58.29
22 11 16 00-1192	EA		4" 125 LB Cast Bronze, Screwed, Companion Flange.....	714.01	81.62
<b>22 11 16 00-1193</b>			<b>125 LB Cast Bronze, Screwed, Square Head Plugs</b>		
			<small>(22 11 16 00-1063)</small>		
22 11 16 00-1194	EA		1/2" 125 LB Cast Bronze, Screwed, Square Head Plug.....	15.56	
22 11 16 00-1195	EA		3/4" 125 LB Cast Bronze, Screwed, Square Head Plug.....	15.92	
22 11 16 00-1196	EA		1" 125 LB Cast Bronze, Screwed, Square Head Plug.....	24.49	
22 11 16 00-1197	EA		1-1/4" 125 LB Cast Bronze, Screwed, Square Head Plug.....	28.08	
22 11 16 00-1198	EA		1-1/2" 125 LB Cast Bronze, Screwed, Square Head Plug.....	31.77	
22 11 16 00-1199	EA		2" 125 LB Cast Bronze, Screwed, Square Head Plug.....	47.47	
22 11 16 00-1200	EA		2-1/2" 125 LB Cast Bronze, Screwed, Square Head Plug.....	71.34	
22 11 16 00-1201	EA		3" 125 LB Cast Bronze, Screwed, Square Head Plug.....	103.88	
22 11 16 00-1202	EA		4" 125 LB Cast Bronze, Screwed, Square Head Plug.....	173.24	
<b>22 11 16 00-1203</b>			<b>125 LB Cast Bronze, Screwed, Counter Sunk Plugs</b>		
			<small>(22 11 16 00-1063)</small>		
22 11 16 00-1204	EA		1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	5.95	
22 11 16 00-1205	EA		3/4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	7.12	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

22 11 16 00-1206	EA	1" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	10.71	
22 11 16 00-1207	EA	1-1/4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	16.65	
22 11 16 00-1208	EA	1-1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	26.36	
22 11 16 00-1209	EA	2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	40.85	
22 11 16 00-1210	EA	2-1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	79.51	
22 11 16 00-1211	EA	3" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	128.76	
22 11 16 00-1212	EA	4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	314.04	

**22 11 16 00-1213 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushings** (22 11 16 00-1063)

22 11 16 00-1214	EA	1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	4.74	
22 11 16 00-1215	EA	3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	5.95	
22 11 16 00-1216	EA	1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	8.33	
22 11 16 00-1217	EA	1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	14.26	
22 11 16 00-1218	EA	1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	20.22	
22 11 16 00-1219	EA	2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	24.98	
22 11 16 00-1220	EA	2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	62.97	
22 11 16 00-1221	EA	3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	92.69	
22 11 16 00-1222	EA	4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	203.04	

**22 11 16 00-1223 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushings** (22 11 16 00-1063)

22 11 16 00-1224	EA	1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	8.33	
22 11 16 00-1225	EA	3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	11.87	
22 11 16 00-1226	EA	1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	20.69	
22 11 16 00-1227	EA	1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	28.10	
22 11 16 00-1228	EA	1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	35.12	
22 11 16 00-1229	EA	2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	44.25	
22 11 16 00-1230	EA	2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	90.35	
22 11 16 00-1231	EA	3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	142.95	
22 11 16 00-1232	EA	4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	300.40	

**22 11 16 00-1233 1/2" Red Brass Pipe Nipples** (22 11 16 00-1063)

Note: Threaded both ends.

22 11 16 00-1234	EA	1/2" x Close, Red Brass Pipe Nipple.....	7.59	
22 11 16 00-1235	EA	1/2" x 1-1/2" Long, Red Brass Pipe Nipple.....	8.89	
22 11 16 00-1236	EA	1/2" x 2" Long, Red Brass Pipe Nipple.....	10.89	
22 11 16 00-1237	EA	1/2" x 2-1/2" Long, Red Brass Pipe Nipple.....	12.93	
22 11 16 00-1238	EA	1/2" x 3" Long, Red Brass Pipe Nipple.....	14.98	
22 11 16 00-1239	EA	1/2" x 3-1/2" Long, Red Brass Pipe Nipple.....	17.68	
22 11 16 00-1240	EA	1/2" x 4" Long, Red Brass Pipe Nipple.....	19.83	
22 11 16 00-1241	EA	1/2" x 4-1/2" Long, Red Brass Pipe Nipple.....	21.77	
22 11 16 00-1242	EA	1/2" x 5" Long, Red Brass Pipe Nipple.....	23.82	
22 11 16 00-1243	EA	1/2" x 5-1/2" Long, Red Brass Pipe Nipple.....	26.07	
22 11 16 00-1244	EA	1/2" x 6" Long, Red Brass Pipe Nipple.....	28.07	

**22 11 16 00-1245 3/4" Red Brass Pipe Nipples** (22 11 16 00-1063)

Note: Threaded both ends.

22 11 16 00-1246	EA	3/4" x Close, Red Brass Pipe Nipple.....	11.09	
22 11 16 00-1247	EA	3/4" x 1-1/2" Long, Red Brass Pipe Nipple.....	11.69	
22 11 16 00-1248	EA	3/4" x 2" Long, Red Brass Pipe Nipple.....	14.13	
22 11 16 00-1249	EA	3/4" x 2-1/2" Long, Red Brass Pipe Nipple.....	16.63	
22 11 16 00-1250	EA	3/4" x 3" Long, Red Brass Pipe Nipple.....	18.88	
22 11 16 00-1251	EA	3/4" x 3-1/2" Long, Red Brass Pipe Nipple.....	21.67	
22 11 16 00-1252	EA	3/4" x 4" Long, Red Brass Pipe Nipple.....	24.37	
22 11 16 00-1253	EA	3/4" x 4-1/2" Long, Red Brass Pipe Nipple.....	27.37	
22 11 16 00-1254	EA	3/4" x 5" Long, Red Brass Pipe Nipple.....	29.86	
22 11 16 00-1255	EA	3/4" x 5-1/2" Long, Red Brass Pipe Nipple.....	34.41	
22 11 16 00-1256	EA	3/4" x 6" Long, Red Brass Pipe Nipple.....	36.16	

**22 11 16 00-1257 1" Red Brass Pipe Nipples** (22 11 16 00-1063)

Note: Threaded both ends.

22 11 16 00-1258	EA	1" x Close, Red Brass Pipe Nipple.....	16.88	
22 11 16 00-1259	EA	1" x 1-1/2" Long, Red Brass Pipe Nipple.....	18.57	
22 11 16 00-1260	EA	1" x 2" Long, Red Brass Pipe Nipple.....	20.27	
22 11 16 00-1261	EA	1" x 2-1/2" Long, Red Brass Pipe Nipple.....	24.12	
22 11 16 00-1262	EA	1" x 3" Long, Red Brass Pipe Nipple.....	27.27	
22 11 16 00-1263	EA	1" x 3-1/2" Long, Red Brass Pipe Nipple.....	32.11	
22 11 16 00-1264	EA	1" x 4" Long, Red Brass Pipe Nipple.....	35.96	
22 11 16 00-1265	EA	1" x 4-1/2" Long, Red Brass Pipe Nipple.....	39.75	
22 11 16 00-1266	EA	1" x 5" Long, Red Brass Pipe Nipple.....	43.65	
22 11 16 00-1267	EA	1" x 5-1/2" Long, Red Brass Pipe Nipple.....	47.74	
22 11 16 00-1268	EA	1" x 6" Long, Red Brass Pipe Nipple.....	51.54	

**22 11 16 00-1269 1-1/4" Red Brass Pipe Nipples** (22 11 16 00-1063)

Note: Threaded both ends.

22 11 16 00-1270	EA	1-1/4" x Close, Red Brass Pipe Nipple.....	24.97	
22 11 16 00-1271	EA	1-1/4" x 1-1/2" Long, Red Brass Pipe Nipple.....	26.61	
22 11 16 00-1272	EA	1-1/4" x 2" Long, Red Brass Pipe Nipple.....	28.61	
22 11 16 00-1273	EA	1-1/4" x 2-1/2" Long, Red Brass Pipe Nipple.....	34.46	

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1274	EA		1-1/4" x 3" Long, Red Brass Pipe Nipple.....	40.25	
22 11 16 00-1275	EA		1-1/4" x 3-1/2" Long, Red Brass Pipe Nipple.....	47.24	
22 11 16 00-1276	EA		1-1/4" x 4" Long, Red Brass Pipe Nipple.....	53.03	
22 11 16 00-1277	EA		1-1/4" x 4-1/2" Long, Red Brass Pipe Nipple.....	58.83	
22 11 16 00-1278	EA		1-1/4" x 5" Long, Red Brass Pipe Nipple.....	64.67	
22 11 16 00-1279	EA		1-1/4" x 5-1/2" Long, Red Brass Pipe Nipple.....	70.76	
22 11 16 00-1280	EA		1-1/4" x 6" Long, Red Brass Pipe Nipple.....	76.55	
<b>22 11 16 00-1281</b>			<b>1-1/2" Red Brass Pipe Nipples</b> (22 11 16 00-1063)		
			Note: Threaded both ends.		
22 11 16 00-1282	EA		1-1/2" x Close, Red Brass Pipe Nipple.....	31.06	
22 11 16 00-1283	EA		1-1/2" x 1-1/2" Long, Red Brass Pipe Nipple.....	32.41	
22 11 16 00-1284	EA		1-1/2" x 2" Long, Red Brass Pipe Nipple.....	33.76	
22 11 16 00-1285	EA		1-1/2" x 2-1/2" Long, Red Brass Pipe Nipple.....	41.05	
22 11 16 00-1286	EA		1-1/2" x 3" Long, Red Brass Pipe Nipple.....	46.54	
22 11 16 00-1287	EA		1-1/2" x 3-1/2" Long, Red Brass Pipe Nipple.....	54.73	
22 11 16 00-1288	EA		1-1/2" x 4" Long, Red Brass Pipe Nipple.....	61.62	
22 11 16 00-1289	EA		1-1/2" x 4-1/2" Long, Red Brass Pipe Nipple.....	68.76	
22 11 16 00-1290	EA		1-1/2" x 5" Long, Red Brass Pipe Nipple.....	75.66	
22 11 16 00-1291	EA		1-1/2" x 5-1/2" Long, Red Brass Pipe Nipple.....	82.40	
22 11 16 00-1292	EA		1-1/2" x 6" Long, Red Brass Pipe Nipple.....	89.14	
<b>22 11 16 00-1293</b>			<b>2" Red Brass Pipe Nipples</b> (22 11 16 00-1063)		
			Note: Threaded both ends.		
22 11 16 00-1294	EA		2" x Close, Red Brass Pipe Nipple.....	47.74	
22 11 16 00-1295	EA		2" x 1-1/2" Long, Red Brass Pipe Nipple.....	49.41	
22 11 16 00-1296	EA		2" x 2" Long, Red Brass Pipe Nipple.....	51.06	
22 11 16 00-1297	EA		2" x 2-1/2" Long, Red Brass Pipe Nipple.....	52.73	
22 11 16 00-1298	EA		2" x 3" Long, Red Brass Pipe Nipple.....	59.73	
22 11 16 00-1299	EA		2" x 3-1/2" Long, Red Brass Pipe Nipple.....	70.41	
22 11 16 00-1300	EA		2" x 4" Long, Red Brass Pipe Nipple.....	79.10	
22 11 16 00-1301	EA		2" x 4-1/2" Long, Red Brass Pipe Nipple.....	87.79	
22 11 16 00-1302	EA		2" x 5" Long, Red Brass Pipe Nipple.....	95.63	
22 11 16 00-1303	EA		2" x 5-1/2" Long, Red Brass Pipe Nipple.....	105.47	
22 11 16 00-1304	EA		2" x 6" Long, Red Brass Pipe Nipple.....	114.11	
<b>22 11 16 00-1305</b>			<b>Cross-Linked Polyethylene Tubing, ASTM F877</b> (22 11 16)		
			Note: Aboveground, domestic water usage.		
<b>22 11 16 00-1306</b>			<b>Cross-Linked Polyethylene Tubing</b> (22 11 16 00-1305)		
22 11 16 00-1307	LF		3/8" Cross-Linked Polyethylene Tubing.....	3.53	
			For Work In Restricted Working Space, Add	0.88	
22 11 16 00-1308	LF		1/2" Cross-Linked Polyethylene Tubing.....	3.84	
			For Work In Restricted Working Space, Add	0.95	
22 11 16 00-1309	LF		3/4" Cross-Linked Polyethylene Tubing.....	4.65	
			For Work In Restricted Working Space, Add	1.03	
22 11 16 00-1310	LF		1" Cross-Linked Polyethylene Tubing.....	5.71	
			For Work In Restricted Working Space, Add	1.09	
<b>22 11 16 00-1311</b>			<b>Cross-Linked Polyethylene Forged Brass PEX Fittings</b> (22 11 16 00-1305)		
			Note: Aboveground, domestic water usage.		
<b>22 11 16 00-1312</b>			<b>Male Adapters</b> (22 11 16 00-1311)		
22 11 16 00-1313	EA		3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing.....	20.59	
			For Work In Restricted Working Space, Add	4.58	
22 11 16 00-1314	EA		1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing.....	22.24	
			For Work In Restricted Working Space, Add	4.88	
22 11 16 00-1315	EA		1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing.....	24.49	
			For Work In Restricted Working Space, Add	5.19	
22 11 16 00-1316	EA		3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing.....	25.51	
			For Work In Restricted Working Space, Add	5.49	
22 11 16 00-1317	EA		3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing.....	24.49	
			For Work In Restricted Working Space, Add	5.19	
22 11 16 00-1318	EA		1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing.....	33.04	
			For Work In Restricted Working Space, Add	6.11	
<b>22 11 16 00-1319</b>			<b>Female Adapters</b> (22 11 16 00-1311)		
22 11 16 00-1320	EA		1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing.....	22.86	
			For Work In Restricted Working Space, Add	4.88	
22 11 16 00-1321	EA		1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing.....	26.21	
			For Work In Restricted Working Space, Add	5.19	
22 11 16 00-1322	EA		3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing.....	27.23	
			For Work In Restricted Working Space, Add	5.49	
22 11 16 00-1323	EA		3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing.....	26.21	
			For Work In Restricted Working Space, Add	5.19	
22 11 16 00-1324	EA		1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing.....	33.82	
			For Work In Restricted Working Space, Add	6.11	
<b>22 11 16 00-1325</b>			<b>Tube Adapters</b> (22 11 16 00-1311)		
22 11 16 00-1326	EA		3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing.....	18.06	
			For Work In Restricted Working Space, Add	4.58	



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 16 00-1327	EA	1/2" Forged Brass Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	19.08 4.88	
22 11 16 00-1328	EA	3/4" Forged Brass Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	23.49 5.49	
22 11 16 00-1329	EA	1" Forged Brass Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	31.45 6.11	
<b>22 11 16 00-1330</b>		<b>Plugs</b> <small>(22 11 16 00-1311)</small>		
22 11 16 00-1331	EA	3/8" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	9.31 2.14	
22 11 16 00-1332	EA	1/2" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	10.32 2.44	
22 11 16 00-1333	EA	3/4" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	11.96 2.75	
22 11 16 00-1334	EA	1" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	15.36 3.05	
<b>22 11 16 00-1335</b>		<b>Tees</b> <small>(22 11 16 00-1311)</small>		
22 11 16 00-1336	EA	3/8" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	25.93 6.41	
22 11 16 00-1337	EA	1/2" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	28.98 7.33	
22 11 16 00-1338	EA	3/4" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	35.14 8.24	
22 11 16 00-1339	EA	1" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	46.96 9.16	
22 11 16 00-1340	EA	1/2" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	27.96 7.02	
22 11 16 00-1341	EA	3/4" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	33.11 7.63	
22 11 16 00-1342	EA	1" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	42.66 8.24	
<b>22 11 16 00-1343</b>		<b>Couplings</b> <small>(22 11 16 00-1311)</small>		
22 11 16 00-1344	EA	3/8" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	16.58 4.27	
22 11 16 00-1345	EA	1/2" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	18.77 4.88	
22 11 16 00-1346	EA	3/4" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	21.58 5.49	
22 11 16 00-1347	EA	1" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	27.24 6.11	
22 11 16 00-1348	EA	3/4" x 1/2" Forged Brass Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	20.56 5.19	
22 11 16 00-1349	EA	1" x 3/4" Forged Brass Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	26.22 5.80	
<b>22 11 16 00-1350</b>		<b>Fitting Reducers</b> <small>(22 11 16 00-1311)</small>		
22 11 16 00-1351	EA	3/8" x 1/2" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	18.53 4.58	
22 11 16 00-1352	EA	1/2" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	19.55 4.88	
22 11 16 00-1353	EA	3/4" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	24.42 5.49	
22 11 16 00-1354	EA	1" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	36.78 6.11	
<b>22 11 16 00-1355</b>		<b>90 Degree Elbows</b> <small>(22 11 16 00-1311)</small>		
22 11 16 00-1356	EA	3/8" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	17.98 4.27	
22 11 16 00-1357	EA	1/2" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	20.02 4.88	
22 11 16 00-1358	EA	3/4" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	24.42 5.49	
22 11 16 00-1359	EA	3/4" x 1/2" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	23.40 5.19	
22 11 16 00-1360	EA	1/2" Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	29.75 4.88	
22 11 16 00-1361	EA	3/4" Forged Brass Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	33.18 5.49	
22 11 16 00-1362	EA	3/4" x 1/2" Forged Brass Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	32.16 5.19	
<b>22 11 19</b>		<b>Domestic Water Piping Specialties</b> <small>(22 11)</small>		
<b>22 11 19 00-0001</b>		<b>Rubber Hose And Clamps</b> <small>(22 11 19)</small>		
<b>22 11 19 00-0002</b>		<b>General Purpose Hose</b> <small>(22 11 19 00-0001)</small>		
		Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0003	LF	3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	4.98	2.02
22 11 19 00-0004	LF	1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	5.62	2.02

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 11 19 00-0005	LF	5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp .....	6.46		2.02
22 11 19 00-0006	LF	3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp .....	6.50		2.02
22 11 19 00-0007	LF	1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp .....	8.15		3.04
22 11 19 00-0008	LF	1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp .....	11.99		3.04
22 11 19 00-0009	LF	1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp .....	13.11		4.05
22 11 19 00-0010	LF	2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp .....	22.49		4.05
<b>22 11 19 00-0011</b>		<b>Reinforced EPDM Water Hose Assembly (22 11 19 00-0001)</b>			
Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.					
22 11 19 00-0012	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement .....	28.40		4.05
22 11 19 00-0013	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement .....	33.23		4.05
22 11 19 00-0014	LF	3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement .....	46.58		4.97
22 11 19 00-0015	LF	4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement .....	64.59		6.72
<b>22 11 19 00-0016</b>		<b>Chemical Resistant Rubber Hoses (22 11 19 00-0001)</b>			
22 11 19 00-0017	EA	50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose .....	1,265.22		314.70
22 11 19 00-0018	EA	50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose .....	1,681.80		314.70
<b>22 11 19 00-0019</b>		<b>Water Pump Hose (22 11 19 00-0001)</b>			
22 11 19 00-0020	EA	2" Inside Diameter, 20' Rubber Discharge Hose .....	286.41		61.80
22 11 19 00-0021	EA	2" Inside Diameter, 20' Rubber Intake Hose .....	299.01		61.80
<b>22 11 19 00-0022</b>		<b>Barbed Hose x Threaded Male Pipe, Steel Coupling (22 11 19 00-0001)</b>			
22 11 19 00-0023	EA	3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling .....	24.39		8.49
22 11 19 00-0024	EA	1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling .....	25.92		9.11
22 11 19 00-0025	EA	5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling .....	27.73		9.71
22 11 19 00-0026	EA	3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling .....	31.65		10.92
22 11 19 00-0027	EA	1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling .....	37.81		13.35
22 11 19 00-0028	EA	1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling .....	44.90		15.98
22 11 19 00-0029	EA	1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling .....	58.07		21.03
22 11 19 00-0030	EA	2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling .....	73.01		26.29
<b>22 11 19 00-0031</b>		<b>Worm-Drive Hose Clamp (22 11 19 00-0001)</b>			
22 11 19 00-0032	EA	3/8" To 1" Diameter Worm Drive Hose Clamp .....	10.35		3.04
22 11 19 00-0033	EA	1/2" To 1-1/6" Diameter Worm Drive Hose Clamp .....	10.95		3.04
22 11 19 00-0034	EA	5/8" To 1-1/2" Diameter Worm Drive Hose Clamp .....	11.61		3.04
22 11 19 00-0035	EA	3/4" To 2" Diameter Worm Drive Hose Clamp .....	12.37		3.04
22 11 19 00-0036	EA	1" To 2-1/2" Diameter Worm Drive Hose Clamp .....	13.22		3.04
22 11 19 00-0037	EA	1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp .....	14.29		4.05
22 11 19 00-0038	EA	1-1/2" To 3" Diameter Worm Drive Hose Clamp .....	15.44		4.05
<b>22 11 19 00-0039</b>		<b>Trap Primer And Accessories (22 11 19)</b>			
<b>22 11 19 00-0040</b>		<b>Trap Primer (22 11 19 00-0039)</b>			
22 11 19 00-0041	EA	1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699) .....	252.09		15.26
22 11 19 00-0042	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500) .....	154.71		10.18
22 11 19 00-0043	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500) .....	149.86		10.18
<b>22 11 19 00-0044</b>		<b>Trap Primer Distribution Unit (22 11 19 00-0039)</b>			
22 11 19 00-0045	EA	Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U) .....	131.04		20.35
Note: Can be used for two, three or four drains.					
22 11 19 00-0046	EA	Copper Four Opening Trap Primer Distribution Unit (PPP DU-4) .....	144.08		20.35
Note: Can be used for two, three or four drains.					
<b>22 11 19 00-0047</b>		<b>Trap Primer Manifold (22 11 19 00-0039)</b>			
22 11 19 00-0048	EA	Two Outlet Manifold .....	202.55		27.37
22 11 19 00-0049	EA	Four Outlet Manifold .....	306.01		31.13
22 11 19 00-0050	EA	Six Outlet Manifold .....	406.99		32.97
22 11 19 00-0051	EA	Eight Outlet Manifold .....	511.86		38.66
<b>22 11 19 00-0052</b>		<b>Sewage Air Release Valves (22 11 19)</b>			
<b>22 11 19 00-0053</b>		<b>Cast Iron, Sewage Air Release Valves (22 11 19 00-0052)</b>			
Note: Stainless steel float.					
22 11 19 00-0054	EA	2" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400) .....	844.76		37.16
For Back Flush Attachment, Add			650.00		
22 11 19 00-0055	EA	3" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400) .....	1,036.80		62.09
For Back Flush Attachment, Add			650.00		
22 11 19 00-0056	EA	4" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400) .....	1,314.72		78.39
For Back Flush Attachment, Add			650.00		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 11 19 00-0057</b>	<b>Cast Iron, Sewage Air Vacuum Valves</b> (22 11 19 00-0052) Note: Stainless steel float.		
22 11 19 00-0058	EA 2" x 1" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401)..... For Back Flush Attachment, Add	863.10 650.00	37.16
22 11 19 00-0059	EA 2" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402)..... For Back Flush Attachment, Add	1,693.17 650.00	37.16
22 11 19 00-0060	EA 3" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403)..... For Back Flush Attachment, Add	2,031.97 650.00	62.09
22 11 19 00-0061	EA 4" NPT x 4" With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404).....	3,009.25	78.39
<b>22 11 19 00-0062</b>	<b>Cast Iron, Sewage Combination Air Valves</b> (22 11 19 00-0052) Note: Stainless steel float.		
22 11 19 00-0063	EA 2" x 1" NPT, Sewage Combination Air Valve (Apco 443).....	1,844.51	37.16
22 11 19 00-0064	EA 2" x 2" NPT, Sewage Combination Air Valve (Apco 445).....	2,543.87	37.16
22 11 19 00-0065	EA 3" x 3" NPT, Sewage Combination Air Valve (Apco 447).....	2,976.68	62.09
22 11 19 00-0066	EA 4" x 4" NPT, Sewage Combination Air Valve (Apco 449).....	3,639.83	78.39
<b>22 11 19 00-0067</b>	<b>Brass, Anti Siphon Vacuum Breakers</b> (22 11 19) Note: Watts 288A		
22 11 19 00-0068	EA 1/2" Brass, Anti Siphon Vacuum Breaker.....	92.16	25.44
22 11 19 00-0069	EA 3/4" Brass, Anti Siphon Vacuum Breaker.....	105.81	28.49
22 11 19 00-0070	EA 1" Brass, Anti Siphon Vacuum Breaker.....	214.87	32.56
22 11 19 00-0071	EA 1-1/4" Brass, Anti Siphon Vacuum Breaker.....	340.72	37.64
22 11 19 00-0072	EA 1-1/2" Brass, Anti Siphon Vacuum Breaker.....	406.90	41.71
22 11 19 00-0073	EA 2" Brass, Anti Siphon Vacuum Breaker.....	594.69	50.88
22 11 19 00-0074	EA 2-1/2" Brass, Anti Siphon Vacuum Breaker.....	1,554.34	63.60
<b>22 11 19 00-0075</b>	<b>Anti Siphon Pressure Vacuum Breakers</b> (22 11 19) Note: Watts 800M4QT		
22 11 19 00-0076	EA 1/2" Anti Siphon Pressure Type Vacuum Breaker.....	267.02	25.44
22 11 19 00-0077	EA 3/4" Anti Siphon Pressure Type Vacuum Breaker.....	233.88	28.49
22 11 19 00-0078	EA 1" Anti Siphon Pressure Type Vacuum Breaker.....	333.80	32.56
22 11 19 00-0079	EA 1-1/4" Anti Siphon Pressure Type Vacuum Breaker.....	602.39	37.64
22 11 19 00-0080	EA 1-1/2" Anti Siphon Pressure Type Vacuum Breaker.....	733.43	41.71
22 11 19 00-0081	EA 2" Anti Siphon Pressure Type Vacuum Breaker.....	740.96	50.88
<b>22 11 19 00-0082</b>	<b>Bellows Type Water Hammer Arrestors</b> (22 11 19)		
22 11 19 00-0083	EA Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005).....	243.92	12.16
22 11 19 00-0084	EA >11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010).....	476.30	14.72
22 11 19 00-0085	EA >32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020).....	697.81	14.72
22 11 19 00-0086	EA >60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030).....	1,705.12	14.72
22 11 19 00-0087	EA >113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040).....	1,920.88	14.72
22 11 19 00-0088	EA >154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050).....	2,353.68	14.72
<b>22 11 19 00-0089</b>	<b>Piston Type Water Hammer Arrestors</b> (22 11 19)		
<b>22 11 19 00-0090</b>	<b>Threaded Piston Type Water Hammer Arrestors</b> (22 11 19 00-0089)		
22 11 19 00-0091	EA Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A).....	147.26	6.78
22 11 19 00-0092	EA >11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B).....	283.03	7.82
22 11 19 00-0093	EA >32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C).....	420.74	8.48
22 11 19 00-0094	EA >60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D).....	1,035.40	10.94
22 11 19 00-0095	EA >113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E).....	1,261.06	13.57
22 11 19 00-0096	EA >154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F).....	1,435.02	14.72
<b>22 11 19 00-0097</b>	<b>Escutcheons</b> (22 11 19)		
<b>22 11 19 00-0098</b>	<b>Brass Escutcheons</b> (22 11 19 00-0097)		
<b>22 11 19 00-0099</b>	<b>Shallow Brass Escutcheons</b> (22 11 19 00-0098)		
22 11 19 00-0100	EA 3/8" IPS, Antique Or Polished Brass Shallow Escutcheon.....	11.39	2.54
22 11 19 00-0101	EA 1/2" IPS, Antique Or Polished Brass Shallow Escutcheon.....	12.26	2.54
<b>22 11 19 00-0102</b>	<b>Deep Bell Brass Escutcheons</b> (22 11 19 00-0098)		
22 11 19 00-0103	EA 3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	13.40	2.85
22 11 19 00-0104	EA 1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	13.43	2.85

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 11 19 00-0105		<b>Chrome Plated Brass Escutcheons With Setscrew</b> (22 11 19 00-0098)			
22 11 19 00-0106	EA	3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	22.46		2.54
22 11 19 00-0107	EA	1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	22.71		2.54
22 11 19 00-0108	EA	5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	23.08		2.54
22 11 19 00-0109	EA	3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	24.43		2.54
22 11 19 00-0110	EA	7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	24.76		3.05
22 11 19 00-0111	EA	1" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	26.07		3.05
22 11 19 00-0112	EA	1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	26.94		3.36
22 11 19 00-0113	EA	1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	28.13		3.56
22 11 19 00-0114	EA	2" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	40.86		4.07
22 11 19 00-0115		<b>Plastic Escutcheons</b> (22 11 19 00-0097)			
22 11 19 00-0116		<b>Split-Ring White Plastic Escutcheons</b> (22 11 19 00-0115)			
22 11 19 00-0117	EA	3/8" IPS, Split-Ring White Plastic Escutcheon.....	5.95		2.53
22 11 19 00-0118	EA	1/2" IPS, Split-Ring White Plastic Escutcheon.....	5.95		2.53
22 11 19 00-0119	EA	3/4" IPS, Split-Ring White Plastic Escutcheon.....	6.87		2.83
22 11 19 00-0120	EA	1" IPS, Split-Ring White Plastic Escutcheon.....	7.46		3.04
22 11 19 00-0121	EA	1-1/4" IPS, Split-Ring White Plastic Escutcheon.....	8.04		3.34
22 11 19 00-0122	EA	1-1/2" IPS, Split-Ring White Plastic Escutcheon.....	8.60		3.54
22 11 19 00-0123	EA	2" IPS, Split-Ring White Plastic Escutcheon.....	9.72		4.05
22 11 19 00-0124	EA	2-1/2" IPS, Split-Ring White Plastic Escutcheon.....	12.09		4.35
22 11 19 00-0125	EA	3" IPS, Split-Ring White Plastic Escutcheon.....	14.48		4.55
22 11 19 00-0126	EA	4" IPS, Split-Ring White Plastic Escutcheon.....	17.36		5.06
22 11 19 00-0127		<b>Chrome Plate Plastic Escutcheons</b> (22 11 19 00-0115)			
22 11 19 00-0128	EA	1/2" IPS, Chrome Plate Plastic Escutcheon.....	7.49		2.53
22 11 19 00-0129	EA	3/4" IPS, Chrome Plate Plastic Escutcheon.....	8.19		2.83
22 11 19 00-0130	EA	1" IPS, Chrome Plate Plastic Escutcheon.....	9.15		3.04
22 11 19 00-0131	EA	1-1/4" IPS, Chrome Plate Plastic Escutcheon.....	10.11		3.34
22 11 19 00-0132	EA	1-1/2" IPS, Chrome Plate Plastic Escutcheon.....	10.69		3.54
22 11 19 00-0133	EA	2" IPS, Chrome Plate Plastic Escutcheon.....	13.27		4.05
22 11 19 00-0134	EA	2-1/2" IPS, Chrome Plate Plastic Escutcheon.....	18.50		4.35
22 11 19 00-0135	EA	3" IPS, Chrome Plate Plastic Escutcheon.....	19.22		4.55
22 11 19 00-0136	EA	4" IPS, Chrome Plate Plastic Escutcheon.....	20.61		5.06
22 11 19 00-0137		<b>Stainless Steel Escutcheons</b> (22 11 19 00-0097)			
22 11 19 00-0138		<b>Shallow Stainless Steel Escutcheons</b> (22 11 19 00-0137)			
22 11 19 00-0139	EA	3/8" IPS, Shallow Stainless Steel Escutcheon.....	14.02		2.54
22 11 19 00-0140	EA	1/2" IPS, Shallow Stainless Steel Escutcheon.....	14.02		2.54
22 11 19 00-0141	EA	3/4" IPS, Shallow Stainless Steel Escutcheon.....	19.52		2.85
22 11 19 00-0142		<b>Chrome Plated Steel Escutcheons</b> (22 11 19 00-0097)			
22 11 19 00-0143		<b>Split-Ring Chrome Plated Steel Escutcheons</b> (22 11 19 00-0142)			
22 11 19 00-0144	EA	1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	5.83		2.53
22 11 19 00-0145	EA	3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	6.33		2.83
22 11 19 00-0146	EA	1" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	6.98		3.04
22 11 19 00-0147	EA	1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	7.48		3.34
22 11 19 00-0148	EA	1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	7.99		3.54
22 11 19 00-0149	EA	2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	9.23		4.05
22 11 19 00-0150	EA	2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	14.87		4.35
22 11 19 00-0151	EA	3" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	15.81		4.55
22 11 19 00-0152	EA	3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	19.89		4.85
22 11 19 00-0153	EA	4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	17.18		5.06
22 11 19 00-0154	EA	5" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	22.67		5.56
22 11 19 00-0155	EA	6" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	26.67		6.07
22 11 19 00-0156		<b>Split-Ring/Springs Chrome Plated Steel Escutcheons</b> (22 11 19 00-0142)			
22 11 19 00-0157	EA	3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	10.13		2.53
22 11 19 00-0158	EA	1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	10.13		2.53
22 11 19 00-0159	EA	3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	10.79		2.83
22 11 19 00-0160	EA	1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	9.74		3.04
22 11 19 00-0161	EA	1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	12.92		3.34
22 11 19 00-0162	EA	1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	13.65		3.54
22 11 19 00-0163	EA	2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	16.26		4.05
22 11 19 00-0164	EA	2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	18.89		4.35
22 11 19 00-0165	EA	3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	23.47		4.55
22 11 19 00-0166	EA	3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	29.25		4.85
22 11 19 00-0167	EA	4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	29.59		5.06
22 11 19 00-0168	EA	5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	50.36		5.56
22 11 19 00-0169	EA	6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	52.44		6.07
22 11 19 00-0170		<b>Deep Bell Chrome Plated Steel Escutcheons</b> (22 11 19 00-0142)			
22 11 19 00-0171	EA	3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	7.25		2.85
22 11 19 00-0172	EA	1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	7.12		2.85
22 11 19 00-0173	EA	3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	6.86		2.85

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 19 00-0174	EA		1" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	7.71	3.05
	22 11 19 00-0175	EA		1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	8.37	3.36
	22 11 19 00-0176	EA		1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	9.26	3.56
<b>22 11 19 00-0177</b>	<b>Shallow Chrome Plated Steel Escutcheons</b> <small>(22 11 19 00-0142)</small>					
	22 11 19 00-0178	EA		3/8" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.36	2.54
	22 11 19 00-0179	EA		1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.36	2.54
	22 11 19 00-0180	EA		3/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.48	2.54
	22 11 19 00-0181	EA		1" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.96	3.05
	22 11 19 00-0182	EA		1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.52	3.36
	22 11 19 00-0183	EA		1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	8.40	3.56
	22 11 19 00-0184	EA		2" IPS, Shallow Chrome Plated Steel Escutcheon.....	9.50	4.07
<b>22 11 19 00-0185</b>	<b>Wall Hydrants</b> <small>(22 11 19)</small>					
	Note: Female inlet connection, 3/4" hose thread outlet.					
<b>22 11 19 00-0186</b>	<b>Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker</b>					
	<b>Wall Hydrants</b> <small>(22 11 19 00-0185)</small>					
	Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.					
	22 11 19 00-0187	EA		6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	747.42	25.44
				For Cast Bronze Box, Add	38.41	
				For 1" NPT Outlet, Add	90.52	
	22 11 19 00-0188	EA		12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	787.01	30.53
				For Cast Bronze Box, Add	38.41	
				For 1" NPT Outlet, Add	90.52	
	22 11 19 00-0189	EA		18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	807.85	36.74
				For Cast Bronze Box, Add	38.41	
				For 1" NPT Outlet, Add	90.52	
<b>22 11 19 00-0190</b>	<b>Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants</b>					
	<small>(22 11 19 00-0185)</small>					
	Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.					
	22 11 19 00-0191	EA		Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	747.12	42.73
				For Cast Bronze Box, Add	38.41	
				For 1" NPT Outlet, Add	90.52	
<b>22 11 19 00-0192</b>	<b>Cast Bronze Non-Freezing Wall Hydrant</b> <small>(22 11 19 00-0185)</small>					
	Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.					
	22 11 19 00-0193	EA		3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	401.09	31.55
				For 1" NPT Outlet, Add	90.52	
	22 11 19 00-0194	EA		4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	498.34	31.55
				For 1" NPT Outlet, Add	90.52	
	22 11 19 00-0195	EA		6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	498.34	31.55
				For 1" NPT Outlet, Add	90.52	
	22 11 19 00-0196	EA		8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	498.34	31.55
				For 1" NPT Outlet, Add	90.52	
	22 11 19 00-0197	EA		10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	520.97	63.60
				For 1" NPT Outlet, Add	90.52	
	22 11 19 00-0198	EA		12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	520.97	63.60
				For 1" NPT Outlet, Add	90.52	
	22 11 19 00-0199	EA		18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	588.66	63.60
				For 1" NPT Outlet, Add	90.52	
<b>22 11 19 00-0200</b>	<b>Stainless Steel Box Type Wall Hydrants</b> <small>(22 11 19 00-0185)</small>					
	Note: With 3/4" NPT female and 3/4" NPT male inlet connection.					
	22 11 19 00-0201	EA		Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140).....	370.08	25.44
	22 11 19 00-0202	EA		Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141).....	404.01	25.44
	22 11 19 00-0203	EA		Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150).....	408.63	25.44
	22 11 19 00-0204	EA		Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151).....	459.52	25.44
	22 11 19 00-0205	EA		Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145).....	647.65	35.62
	Note: Includes hot and cold hose connections.					
	22 11 19 00-0206	EA		Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146).....	667.70	35.62
	Note: Includes hot and cold hose connections.					
	22 11 19 00-0207	EA		Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155).....	667.70	35.62
	Note: Includes hot and cold hose connections.					
	22 11 19 00-0208	EA		Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156).....	715.51	35.62
	Note: Includes hot and cold hose connections.					
<b>22 11 19 00-0209</b>	<b>Washer Boxes And Dryer Outlets</b> <small>(22 11 19)</small>					
<b>22 11 19 00-0210</b>	<b>Dryer Vent Kit</b> <small>(22 11 19 00-0209)</small>					
	Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.					
	22 11 19 00-0211	EA		Dryer Vent Kit With Hood, 4" x 5" Flexible Vent And Clamps.....	74.53	13.22
<b>22 11 19 00-0212</b>	<b>Washer Boxes And Dryer Vents</b> <small>(22 11 19 00-0209)</small>					
	Note: Includes 1/2" supply valves and mounting brackets.					
	22 11 19 00-0213	EA		2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves.....	243.84	20.35
<b>22 11 19 00-0214</b>	<b>Ice Maker Outlet Box</b> <small>(22 11 19)</small>					
	Note: Includes one 1/2" quarter turn ball valve and connections wall mount.					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0215	EA		Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	130.91	20.35
22 11 19 00-0216	EA		Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount.....	165.11	20.35
22 11 19 00-0217	EA		Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount .....	183.94	20.35
22 11 19 00-0218			<b>Tempering Controllers For Potable Hot Water</b> (22 11 19)		
22 11 19 00-0219			<b>Point-Of-Use Thermostatic Mixing Valves (Bradley)</b> (22 11 19 00-0218)		
			Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0220	EA		1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007) .....	406.41	24.63
22 11 19 00-0221	EA		1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004) .....	128.86	24.63
22 11 19 00-0222	EA		1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008) .....	232.78	24.63
22 11 19 00-0223	EA		3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016) .....	267.87	33.18
22 11 19 00-0224			<b>Thermostatic Mixing Valves (Bradley)</b> (22 11 19 00-0218)		
			Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0225	EA		3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025) .....	1,099.61	35.52
22 11 19 00-0226	EA		3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045) .....	1,234.74	43.76
22 11 19 00-0227	EA		1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080) .....	1,484.19	50.90
22 11 19 00-0228	EA		1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130) .....	1,922.34	53.49
22 11 19 00-0229	EA		2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200) .....	2,580.52	69.40
22 11 19 00-0230			<b>High Low Temperature Thermostatic Mixing Valves (Bradley)</b> (22 11 19 00-0218)		
			Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0231	EA		3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045) .....	2,798.60	54.71
22 11 19 00-0232	EA		1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080) .....	3,641.55	63.62
22 11 19 00-0233	EA		1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130) .....	4,246.00	66.87
22 11 19 00-0234	EA		2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200) .....	4,705.57	86.75
22 11 19 00-0235			<b>Thermostatic Mixing Valves (Leonard)</b> (22 11 19 00-0218)		
			Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0236	EA		3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF) .....	799.07	35.52
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0237	EA		1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF) .....	941.04	43.75
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0238	EA		1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF) .....	1,156.16	50.90
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0239	EA		1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF) .....	1,412.39	53.51
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0240	EA		2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF) .....	2,096.92	69.40
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0241			<b>Water Mixing/Self Operating Temperature Regulator</b> (22 11 19 00-0218)		
			Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0242	EA		3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	3,076.93	50.88
22 11 19 00-0243	EA		1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	3,253.65	64.10
22 11 19 00-0244	EA		1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	3,578.95	77.33
22 11 19 00-0245	EA		1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	3,935.60	90.55
22 11 19 00-0246	EA		2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	4,688.36	119.05
22 11 19 00-0247	EA		2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	5,547.50	135.78
22 11 19 00-0248			<b>Thermostatic Mixing Valves (Holby)</b> (22 11 19 00-0218)		
22 11 19 00-0249	EA		2-1/2" Thermostatic Mixing Valve (Holby HOLBY2500) .....	3,729.73	69.42
22 11 19 00-0250			<b>Backflow Preventer Valves</b> (22 11 19)		
22 11 19 00-0251			<b>Double Check Valve Backflow Preventer Assemblies</b> (22 11 19 00-0250)		
22 11 19 00-0252			<b>Threaded Double Check Valve Assemblies</b> (22 11 19 00-0251)		
22 11 19 00-0253			<b>Double Check Valve Assemblies With Quarter Turn Shut-Offs</b> (22 11 19 00-0252)		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0254	EA		1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series) .....	331.16	27.27
			For Work In Restricted Working Space, Add	20.45	
			For Owner Furnished Material, Deduct	-262.99	
22 11 19 00-0255	EA		3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series) .....	393.55	38.66
			For Work In Restricted Working Space, Add	29.00	
			For Owner Furnished Material, Deduct	-296.89	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0256	EA		1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	454.87 35.41 -336.84	47.21
22 11 19 00-0257	EA		1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	632.24 41.21 -494.88	54.95
22 11 19 00-0258	EA		1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	780.70 47.01 -624.01	63.08
22 11 19 00-0259	EA		2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	903.09 61.05 -699.59	81.40
<b>22 11 19 00-0260</b>			<b>Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer</b> <small>(22 11 19 00-0252)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0261	EA		1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	406.41 20.45 -338.24	27.27
22 11 19 00-0262	EA		3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	503.76 29.00 -407.10	38.66
22 11 19 00-0263	EA		1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	590.00 35.41 -471.97	47.21
22 11 19 00-0264	EA		1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	824.77 41.21 -687.41	54.95
22 11 19 00-0265	EA		1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,007.46 47.01 -850.77	63.08
22 11 19 00-0266	EA		2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,216.16 61.05 -1,012.66	81.40
<b>22 11 19 00-0267</b>			<b>Flanged Double Check Valve Assemblies</b> <small>(22 11 19 00-0251)</small>		
<b>22 11 19 00-0268</b>			<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0267)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).		
22 11 19 00-0269	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,241.94 89.96 -3,942.07	224.90
22 11 19 00-0270	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,661.47 99.80 -4,328.80	253.02
<b>22 11 19 00-0271</b>			<b>Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0267)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).		
22 11 19 00-0272	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,642.62 89.96 -4,342.75	224.90
22 11 19 00-0273	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,329.28 99.80 -4,996.61	253.02
<b>22 11 19 00-0274</b>			<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0267)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).		
22 11 19 00-0275	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,270.82 89.96 -3,970.97	224.90
22 11 19 00-0276	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,276.37 99.80 -2,943.69	253.02
22 11 19 00-0277	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,125.34 149.86 -4,625.82	374.84
22 11 19 00-0278	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,828.24 297.65 -6,836.06	549.24
22 11 19 00-0279	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	17,744.98 446.55 -16,256.47	823.87
22 11 19 00-0280	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	22,766.63 531.53 -20,994.87	974.46

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0281			<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer</b> <small>(22 11 19 00-0267)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0282	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	5,971.52	374.84
			<i>For Work In Restricted Working Space, Add</i>	149.84	
			<i>For Owner Furnished Material, Deduct</i>	-5,472.05	
22 11 19 00-0283	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	9,954.78	549.24
			<i>For Work In Restricted Working Space, Add</i>	297.65	
			<i>For Owner Furnished Material, Deduct</i>	-8,962.60	
22 11 19 00-0284	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	26,394.51	974.46
			<i>For Work In Restricted Working Space, Add</i>	531.53	
			<i>For Owner Furnished Material, Deduct</i>	-24,622.75	
22 11 19 00-0285			<b>Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0267)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).		
22 11 19 00-0286	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	4,532.96	224.90
			<i>For Work In Restricted Working Space, Add</i>	89.96	
			<i>For Owner Furnished Material, Deduct</i>	-4,233.11	
22 11 19 00-0287	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series).....	4,981.42	253.02
			<i>For Work In Restricted Working Space, Add</i>	99.80	
			<i>For Owner Furnished Material, Deduct</i>	-4,648.75	
22 11 19 00-0288	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	5,432.29	374.84
			<i>For Work In Restricted Working Space, Add</i>	149.84	
			<i>For Owner Furnished Material, Deduct</i>	-4,932.82	
22 11 19 00-0289	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	9,133.47	549.24
			<i>For Work In Restricted Working Space, Add</i>	297.65	
			<i>For Owner Furnished Material, Deduct</i>	-8,141.29	
22 11 19 00-0290	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	18,828.72	823.87
			<i>For Work In Restricted Working Space, Add</i>	446.48	
			<i>For Owner Furnished Material, Deduct</i>	-17,340.44	
22 11 19 00-0291	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	24,165.27	974.46
			<i>For Work In Restricted Working Space, Add</i>	531.53	
			<i>For Owner Furnished Material, Deduct</i>	-22,393.51	
22 11 19 00-0292			<b>Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0267)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0293	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	2,722.00	224.90
			<i>For Work In Restricted Working Space, Add</i>	89.96	
			<i>For Owner Furnished Material, Deduct</i>	-2,422.15	
22 11 19 00-0294	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	2,997.18	253.02
			<i>For Work In Restricted Working Space, Add</i>	99.80	
			<i>For Owner Furnished Material, Deduct</i>	-2,664.51	
22 11 19 00-0295	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	3,406.33	374.84
			<i>For Work In Restricted Working Space, Add</i>	149.84	
			<i>For Owner Furnished Material, Deduct</i>	-2,906.86	
22 11 19 00-0296	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	5,537.47	549.24
			<i>For Work In Restricted Working Space, Add</i>	297.65	
			<i>For Owner Furnished Material, Deduct</i>	-4,545.29	
22 11 19 00-0297	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	10,474.70	823.87
			<i>For Work In Restricted Working Space, Add</i>	446.48	
			<i>For Owner Furnished Material, Deduct</i>	-8,986.42	
22 11 19 00-0298	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	11,387.86	974.46
			<i>For Work In Restricted Working Space, Add</i>	531.53	
			<i>For Owner Furnished Material, Deduct</i>	-9,616.10	
22 11 19 00-0299			<b>N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0267)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		
22 11 19 00-0300	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	3,581.43	224.90
			<i>For Work In Restricted Working Space, Add</i>	89.96	
			<i>For Owner Furnished Material, Deduct</i>	-3,281.58	
22 11 19 00-0301	EA		3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	3,856.61	253.02
			<i>For Work In Restricted Working Space, Add</i>	99.80	
			<i>For Owner Furnished Material, Deduct</i>	-3,523.94	
22 11 19 00-0302	EA		4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series).....	4,842.47	374.84
			<i>For Work In Restricted Working Space, Add</i>	149.84	
			<i>For Owner Furnished Material, Deduct</i>	-4,343.00	
22 11 19 00-0303	EA		6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	7,941.63	549.24
			<i>For Work In Restricted Working Space, Add</i>	297.65	
			<i>For Owner Furnished Material, Deduct</i>	-6,949.45	
22 11 19 00-0304	EA		8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	14,037.91	823.87
			<i>For Work In Restricted Working Space, Add</i>	446.48	
			<i>For Owner Furnished Material, Deduct</i>	-12,549.63	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 19 00-0305	EA		10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	16,705.07 531.53 -14,933.31	974.46
	<b>22 11 19 00-0306</b>			<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves</b> (22 11 19 00-0267) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
	22 11 19 00-0307	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,551.06 89.96 -2,251.21	224.90
	22 11 19 00-0308	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,834.01 99.80 -2,501.34	253.02
	22 11 19 00-0309	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,250.84 149.84 -2,751.37	374.84
	22 11 19 00-0310	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,415.32 297.65 -4,423.14	549.24
	22 11 19 00-0311	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,356.98 446.48 -8,868.70	823.87
	22 11 19 00-0312	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,716.53 531.53 -9,944.77	974.46
	<b>22 11 19 00-0313</b>			<b>N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs</b> (22 11 19 00-0267) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
	22 11 19 00-0314	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,338.43 89.96 -3,038.58	224.90
	22 11 19 00-0315	EA		3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,613.61 99.80 -3,280.94	253.02
	22 11 19 00-0316	EA		4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,599.77 149.84 -4,100.30	374.84
	22 11 19 00-0317	EA		6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,683.13 297.65 -6,690.95	549.24
	22 11 19 00-0318	EA		8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	13,646.64 446.48 -12,158.36	823.87
	22 11 19 00-0319	EA		10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	16,312.66 531.53 -14,540.90	974.46
	<b>22 11 19 00-0320</b>			<b>Double Check Valve Assemblies With Butterfly Shut-Off Valves</b> (22 11 19 00-0267) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
	22 11 19 00-0321	EA		2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,955.34 89.96 -2,655.49	224.90
	22 11 19 00-0322	EA		3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,230.51 99.80 -2,897.84	253.02
	22 11 19 00-0323	EA		4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,639.67 149.84 -3,140.20	374.84
	22 11 19 00-0324	EA		6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,776.68 297.65 -4,784.50	549.24
	22 11 19 00-0325	EA		8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,713.91 446.48 -9,225.63	823.87
	<b>22 11 19 00-0326</b>			<b>N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs</b> (22 11 19 00-0267) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
	22 11 19 00-0327	EA		2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,814.77 89.96 -3,514.92	224.90
	22 11 19 00-0328	EA		3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,089.94 99.80 -3,757.27	253.02
	22 11 19 00-0329	EA		4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,075.81 149.84 -4,576.34	374.84
	22 11 19 00-0330	EA		6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,180.90 297.65 -7,188.72	549.24

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0331	EA		8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,713.91 446.48 -9,225.63	823.87
22 11 19 00-0332			<b>Grooved Double Check Valve Assemblies</b> (22 11 19 00-0251)		
22 11 19 00-0333			<b>Double Check Valve Assemblies With Quarter Turn Shut-Offs</b> (22 11 19 00-0332) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0334	EA		2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,551.06 89.96 -2,251.21	119.95
22 11 19 00-0335	EA		3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,834.01 99.80 -2,501.34	133.07
22 11 19 00-0336			<b>N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs</b> (22 11 19 00-0332) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0337	EA		2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,338.43 89.96 -3,038.58	119.95
22 11 19 00-0338	EA		3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,613.61 99.80 -3,280.94	133.07
22 11 19 00-0339			<b>Reduced Pressure Zone Backflow Preventer Assemblies</b> (22 11 19 00-0250)		
22 11 19 00-0340			<b>Threaded Reduced Pressure Zone Assemblies</b> (22 11 19 00-0339)		
22 11 19 00-0341			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> (22 11 19 00-0340) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0342	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	364.90 17.71 -305.88	23.60
22 11 19 00-0343	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	385.85 19.54 -320.73	26.05
22 11 19 00-0344	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	448.10 20.45 -379.93	27.27
22 11 19 00-0345	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	602.66 29.00 -506.00	38.66
22 11 19 00-0346	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	715.60 35.41 -597.57	47.21
22 11 19 00-0347	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,074.77 41.21 -937.41	54.95
22 11 19 00-0348	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,138.19 47.01 -981.50	63.08
22 11 19 00-0349	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,368.20 61.05 -1,164.70	81.40
22 11 19 00-0350			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer</b> (22 11 19 00-0340) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0351	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	401.92 17.71 -342.90	23.60
22 11 19 00-0352	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	424.87 19.54 -359.75	26.05
22 11 19 00-0353	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	501.58 20.45 -433.41	38.66
22 11 19 00-0354	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	686.70 29.00 -590.04	38.66
22 11 19 00-0355	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	820.69 35.41 -702.66	47.21

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 19 00-0356	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,218.08	54.95
				<i>For Work In Restricted Working Space, Add</i>	41.21	
				<i>For Owner Furnished Material, Deduct</i>	-1,080.72	
	22 11 19 00-0357	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,340.44	63.08
				<i>For Work In Restricted Working Space, Add</i>	47.01	
				<i>For Owner Furnished Material, Deduct</i>	-1,183.75	
	22 11 19 00-0358	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,616.34	81.40
				<i>For Work In Restricted Working Space, Add</i>	61.05	
				<i>For Owner Furnished Material, Deduct</i>	-1,412.84	
	<b>22 11 19 00-0359</b>			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0340)</small>		
				Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
	22 11 19 00-0360	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) .....	602.66	38.66
				<i>For Work In Restricted Working Space, Add</i>	29.00	
				<i>For Owner Furnished Material, Deduct</i>	-506.00	
	22 11 19 00-0361	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) .....	715.60	47.21
				<i>For Work In Restricted Working Space, Add</i>	35.41	
				<i>For Owner Furnished Material, Deduct</i>	-597.57	
	22 11 19 00-0362	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) .....	1,074.77	54.95
				<i>For Work In Restricted Working Space, Add</i>	41.21	
				<i>For Owner Furnished Material, Deduct</i>	-937.41	
	22 11 19 00-0363	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) .....	1,138.19	63.08
				<i>For Work In Restricted Working Space, Add</i>	47.01	
				<i>For Owner Furnished Material, Deduct</i>	-981.50	
	22 11 19 00-0364	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) .....	1,368.20	81.40
				<i>For Work In Restricted Working Space, Add</i>	61.05	
				<i>For Owner Furnished Material, Deduct</i>	-1,164.70	
	<b>22 11 19 00-0365</b>			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer</b> <small>(22 11 19 00-0340)</small>		
				Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
	22 11 19 00-0366	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	686.70	38.66
				<i>For Work In Restricted Working Space, Add</i>	29.00	
				<i>For Owner Furnished Material, Deduct</i>	-590.04	
	22 11 19 00-0367	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	820.69	47.21
				<i>For Work In Restricted Working Space, Add</i>	35.41	
				<i>For Owner Furnished Material, Deduct</i>	-702.66	
	22 11 19 00-0368	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,218.08	54.95
				<i>For Work In Restricted Working Space, Add</i>	41.21	
				<i>For Owner Furnished Material, Deduct</i>	-1,080.72	
	22 11 19 00-0369	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,340.44	63.08
				<i>For Work In Restricted Working Space, Add</i>	47.01	
				<i>For Owner Furnished Material, Deduct</i>	-1,183.75	
	22 11 19 00-0370	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,616.34	81.40
				<i>For Work In Restricted Working Space, Add</i>	61.05	
				<i>For Owner Furnished Material, Deduct</i>	-1,412.84	
	<b>22 11 19 00-0371</b>			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0340)</small>		
				Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
	22 11 19 00-0372	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	1,226.89	38.66
				<i>For Work In Restricted Working Space, Add</i>	29.00	
				<i>For Owner Furnished Material, Deduct</i>	-1,130.23	
	22 11 19 00-0373	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	1,452.81	47.21
				<i>For Work In Restricted Working Space, Add</i>	35.41	
				<i>For Owner Furnished Material, Deduct</i>	-1,334.78	
	22 11 19 00-0374	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT).....	2,228.48	54.95
				<i>For Work In Restricted Working Space, Add</i>	41.21	
				<i>For Owner Furnished Material, Deduct</i>	-2,091.12	
	22 11 19 00-0375	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT).....	2,410.50	63.08
				<i>For Work In Restricted Working Space, Add</i>	47.01	
				<i>For Owner Furnished Material, Deduct</i>	-2,253.81	
	22 11 19 00-0376	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT).....	2,799.80	81.40
				<i>For Work In Restricted Working Space, Add</i>	61.05	
				<i>For Owner Furnished Material, Deduct</i>	-2,596.30	
	<b>22 11 19 00-0377</b>			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer</b> <small>(22 11 19 00-0340)</small>		
				Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).		
	22 11 19 00-0378	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S) .....	1,647.02	38.66
				<i>For Work In Restricted Working Space, Add</i>	29.00	
				<i>For Owner Furnished Material, Deduct</i>	-1,550.36	

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0379	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S).....	1,958.37	47.21
			<i>For Work In Restricted Working Space, Add</i>	35.41	
			<i>For Owner Furnished Material, Deduct</i>	-1,840.34	
22 11 19 00-0380	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	2,978.93	54.95
			<i>For Work In Restricted Working Space, Add</i>	41.21	
			<i>For Owner Furnished Material, Deduct</i>	-2,841.57	
22 11 19 00-0381	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	3,255.13	63.08
			<i>For Work In Restricted Working Space, Add</i>	47.01	
			<i>For Owner Furnished Material, Deduct</i>	-3,098.44	
22 11 19 00-0382	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	3,869.34	81.40
			<i>For Work In Restricted Working Space, Add</i>	61.05	
			<i>For Owner Furnished Material, Deduct</i>	-3,665.84	
22 11 19 00-0383			<b>Flanged Reduced Pressure Zone Assemblies</b> (22 11 19 00-0383)		
22 11 19 00-0384			<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs</b> (22 11 19 00-0383)		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).		
22 11 19 00-0385	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	3,906.04	224.90
			<i>For Work In Restricted Working Space, Add</i>	89.96	
			<i>For Owner Furnished Material, Deduct</i>	-3,606.17	
22 11 19 00-0386	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	4,400.33	253.02
			<i>For Work In Restricted Working Space, Add</i>	99.80	
			<i>For Owner Furnished Material, Deduct</i>	-4,067.66	
22 11 19 00-0387			<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer</b> (22 11 19 00-0383)		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).		
22 11 19 00-0388	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	4,645.61	224.90
			<i>For Work In Restricted Working Space, Add</i>	89.96	
			<i>For Owner Furnished Material, Deduct</i>	-4,345.74	
22 11 19 00-0389	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	5,259.51	253.02
			<i>For Work In Restricted Working Space, Add</i>	99.80	
			<i>For Owner Furnished Material, Deduct</i>	-4,926.84	
22 11 19 00-0390			<b>Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs</b> (22 11 19 00-0383)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).		
22 11 19 00-0391	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	4,189.11	224.90
			<i>For Work In Restricted Working Space, Add</i>	89.96	
			<i>For Owner Furnished Material, Deduct</i>	-3,889.24	
22 11 19 00-0392	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	4,870.78	253.02
			<i>For Work In Restricted Working Space, Add</i>	99.80	
			<i>For Owner Furnished Material, Deduct</i>	-4,538.11	
22 11 19 00-0393			<b>Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer</b> (22 11 19 00-0383)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)		
22 11 19 00-0394	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	4,645.61	224.90
			<i>For Work In Restricted Working Space, Add</i>	89.96	
			<i>For Owner Furnished Material, Deduct</i>	-4,345.74	
22 11 19 00-0395	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	5,259.51	253.02
			<i>For Work In Restricted Working Space, Add</i>	99.80	
			<i>For Owner Furnished Material, Deduct</i>	-4,926.84	
22 11 19 00-0396			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> (22 11 19 00-0383)		
			Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).		
22 11 19 00-0397	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	5,150.95	224.90
			<i>For Work In Restricted Working Space, Add</i>	89.96	
			<i>For Owner Furnished Material, Deduct</i>	-4,851.08	
22 11 19 00-0398	EA		3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	5,958.21	253.02
			<i>For Work In Restricted Working Space, Add</i>	99.80	
			<i>For Owner Furnished Material, Deduct</i>	-5,625.54	
22 11 19 00-0399			<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs</b> (22 11 19 00-0383)		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).		
22 11 19 00-0400	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	6,667.96	224.90
			<i>For Work In Restricted Working Space, Add</i>	89.96	
			<i>For Owner Furnished Material, Deduct</i>	-6,368.11	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 19 00-0401	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	7,573.92	253.02
				<i>For Work In Restricted Working Space, Add</i>	99.80	
				<i>For Owner Furnished Material, Deduct</i>	-7,241.24	
	22 11 19 00-0402	EA		4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	9,551.82	374.84
				<i>For Work In Restricted Working Space, Add</i>	149.86	
				<i>For Owner Furnished Material, Deduct</i>	-9,052.30	
	22 11 19 00-0403	EA		6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	14,541.85	549.24
				<i>For Work In Restricted Working Space, Add</i>	416.75	
				<i>For Owner Furnished Material, Deduct</i>	-13,152.70	
	22 11 19 00-0404	EA		8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	24,079.81	823.87
				<i>For Work In Restricted Working Space, Add</i>	625.12	
				<i>For Owner Furnished Material, Deduct</i>	-21,996.09	
	22 11 19 00-0405	EA		10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	30,905.08	974.46
				<i>For Work In Restricted Working Space, Add</i>	531.53	
				<i>For Owner Furnished Material, Deduct</i>	-29,133.32	
	<b>22 11 19 00-0406</b>			<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer</b> <small>(22 11 19 00-0383)</small>		
				Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).		
	22 11 19 00-0407	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	7,181.27	224.90
				<i>For Work In Restricted Working Space, Add</i>	89.96	
				<i>For Owner Furnished Material, Deduct</i>	-6,881.42	
	22 11 19 00-0408	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	8,114.14	253.02
				<i>For Work In Restricted Working Space, Add</i>	99.80	
				<i>For Owner Furnished Material, Deduct</i>	-7,781.47	
	22 11 19 00-0409	EA		4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	10,380.05	374.84
				<i>For Work In Restricted Working Space, Add</i>	149.84	
				<i>For Owner Furnished Material, Deduct</i>	-9,880.58	
	22 11 19 00-0410	EA		6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	15,703.91	549.24
				<i>For Work In Restricted Working Space, Add</i>	297.65	
				<i>For Owner Furnished Material, Deduct</i>	-14,711.73	
	22 11 19 00-0411	EA		8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	25,409.15	823.87
				<i>For Work In Restricted Working Space, Add</i>	446.48	
				<i>For Owner Furnished Material, Deduct</i>	-23,920.87	
	22 11 19 00-0412	EA		10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	34,438.97	974.46
				<i>For Work In Restricted Working Space, Add</i>	531.53	
				<i>For Owner Furnished Material, Deduct</i>	-32,667.21	
	<b>22 11 19 00-0413</b>			<b>Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0383)</small>		
				Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).		
	22 11 19 00-0414	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	7,090.57	224.90
				<i>For Work In Restricted Working Space, Add</i>	89.96	
				<i>For Owner Furnished Material, Deduct</i>	-6,790.72	
	22 11 19 00-0415	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	8,058.33	253.02
				<i>For Work In Restricted Working Space, Add</i>	99.80	
				<i>For Owner Furnished Material, Deduct</i>	-7,725.65	
	22 11 19 00-0416	EA		4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	10,153.85	374.84
				<i>For Work In Restricted Working Space, Add</i>	149.86	
				<i>For Owner Furnished Material, Deduct</i>	-9,654.33	
	22 11 19 00-0417	EA		6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	15,022.48	549.24
				<i>For Work In Restricted Working Space, Add</i>	297.65	
				<i>For Owner Furnished Material, Deduct</i>	-14,030.30	
	22 11 19 00-0418	EA		8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	24,951.45	823.87
				<i>For Work In Restricted Working Space, Add</i>	446.48	
				<i>For Owner Furnished Material, Deduct</i>	-23,463.17	
	22 11 19 00-0419	EA		10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	32,846.21	974.46
				<i>For Work In Restricted Working Space, Add</i>	531.53	
				<i>For Owner Furnished Material, Deduct</i>	-31,074.45	
	<b>22 11 19 00-0420</b>			<b>Double Check Detector Assemblies</b> <small>(22 11 19 00-0250)</small>		
	<b>22 11 19 00-0421</b>			<b>Flanged Double Check Detector Assemblies With Meter</b> <small>(22 11 19 00-0420)</small>		
	<b>22 11 19 00-0422</b>			<b>Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter</b> <small>(22 11 19 00-0421)</small>		
				Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
	22 11 19 00-0423	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	5,339.29	253.02
				<i>For Work In Restricted Working Space, Add</i>	99.80	
				<i>For Owner Furnished Material, Deduct</i>	-5,006.62	

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0424	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series) .....	5,622.26	374.84
			<i>For Work In Restricted Working Space, Add</i> .....	149.84	
			<i>For Owner Furnished Material, Deduct</i> .....	-5,122.79	
22 11 19 00-0425	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series) .....	7,644.31	549.24
			<i>For Work In Restricted Working Space, Add</i> .....	297.65	
			<i>For Owner Furnished Material, Deduct</i> .....	-6,652.13	
22 11 19 00-0426	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series) .....	13,512.38	823.87
			<i>For Work In Restricted Working Space, Add</i> .....	446.48	
			<i>For Owner Furnished Material, Deduct</i> .....	-12,024.10	
22 11 19 00-0427	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series) .....	18,204.65	974.46
			<i>For Work In Restricted Working Space, Add</i> .....	531.53	
			<i>For Owner Furnished Material, Deduct</i> .....	-16,432.89	
<b>22 11 19 00-0428</b>			<b>Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter</b> <small>(22 11 19 00-0421)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0429	EA		2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....	4,008.95	224.90
			<i>For Work In Restricted Working Space, Add</i> .....	89.96	
			<i>For Owner Furnished Material, Deduct</i> .....	-3,709.08	
22 11 19 00-0430	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....	4,283.86	253.02
			<i>For Work In Restricted Working Space, Add</i> .....	99.80	
			<i>For Owner Furnished Material, Deduct</i> .....	-3,951.19	
22 11 19 00-0431	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....	4,698.74	374.84
			<i>For Work In Restricted Working Space, Add</i> .....	149.84	
			<i>For Owner Furnished Material, Deduct</i> .....	-4,199.27	
22 11 19 00-0432	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....	6,444.89	549.24
			<i>For Work In Restricted Working Space, Add</i> .....	297.65	
			<i>For Owner Furnished Material, Deduct</i> .....	-5,452.71	
22 11 19 00-0433	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....	11,344.54	823.87
			<i>For Work In Restricted Working Space, Add</i> .....	446.48	
			<i>For Owner Furnished Material, Deduct</i> .....	-9,856.26	
22 11 19 00-0434	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....	13,381.12	974.46
			<i>For Work In Restricted Working Space, Add</i> .....	531.53	
			<i>For Owner Furnished Material, Deduct</i> .....	-11,609.36	
<b>22 11 19 00-0435</b>			<b>Double Check Detector Assembly With Butterfly Valves And Meter</b> <small>(22 11 19 00-0421)</small>		
			Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0436	EA		2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....	4,242.34	224.90
			<i>For Work In Restricted Working Space, Add</i> .....	89.96	
			<i>For Owner Furnished Material, Deduct</i> .....	-3,942.47	
22 11 19 00-0437	EA		3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....	4,517.24	253.02
			<i>For Work In Restricted Working Space, Add</i> .....	99.80	
			<i>For Owner Furnished Material, Deduct</i> .....	-4,184.57	
22 11 19 00-0438	EA		4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....	4,932.08	374.84
			<i>For Work In Restricted Working Space, Add</i> .....	149.84	
			<i>For Owner Furnished Material, Deduct</i> .....	-4,432.61	
22 11 19 00-0439	EA		6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....	6,684.11	549.24
			<i>For Work In Restricted Working Space, Add</i> .....	297.65	
			<i>For Owner Furnished Material, Deduct</i> .....	-5,691.93	
22 11 19 00-0440	EA		8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....	11,057.54	823.87
			<i>For Work In Restricted Working Space, Add</i> .....	446.48	
			<i>For Owner Furnished Material, Deduct</i> .....	-9,569.26	
<b>22 11 19 00-0441</b>			<b>Flanged Double Check Detector Assemblies Without Meter</b> <small>(22 11 19 00-0420)</small>		
<b>22 11 19 00-0442</b>			<b>Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter</b> <small>(22 11 19 00-0441)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
22 11 19 00-0443	EA		2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	3,935.26	224.90
			<i>For Work In Restricted Working Space, Add</i> .....	89.96	
22 11 19 00-0444	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	4,210.20	253.02
			<i>For Work In Restricted Working Space, Add</i> .....	99.80	
22 11 19 00-0445	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	4,625.09	374.84
			<i>For Work In Restricted Working Space, Add</i> .....	149.84	
22 11 19 00-0446	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	6,371.23	549.24
			<i>For Work In Restricted Working Space, Add</i> .....	297.65	
22 11 19 00-0447	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	11,270.94	823.87
			<i>For Work In Restricted Working Space, Add</i> .....	446.48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 19 00-0448	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) ..... <i>For Work In Restricted Working Space, Add</i>	13,307.41 531.53	974.46
22 11 19 00-0449		<b>Double Check Detector Assembly With Butterfly Valves Less Meter</b> <small>(22 11 19 00-0441)</small> Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0450	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) ..... <i>For Work In Restricted Working Space, Add</i>	4,168.63 89.96	224.90
22 11 19 00-0451	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) ..... <i>For Work In Restricted Working Space, Add</i>	4,443.53 99.80	253.02
22 11 19 00-0452	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) ..... <i>For Work In Restricted Working Space, Add</i>	4,858.42 149.84	374.84
22 11 19 00-0453	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) ..... <i>For Work In Restricted Working Space, Add</i>	6,610.40 297.65	549.24
22 11 19 00-0454	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) ..... <i>For Work In Restricted Working Space, Add</i>	11,510.15 446.48	823.87
22 11 19 00-0455		<b>Backflow Preventer Accessories</b> <small>(22 11 19 00-0250)</small>		
22 11 19 00-0456		<b>Air Gap</b> <small>(22 11 19 00-0455)</small>		
22 11 19 00-0457	EA	Up To 1" Diameter Air Gap For Backflow Preventer .....	95.42	12.72
22 11 19 00-0458	EA	1-1/4" To 2" Diameter Air Gap For Backflow Preventer .....	117.30	15.26
22 11 19 00-0459	EA	2-1/2" To 3" Diameter Air Gap For Backflow Preventer .....	217.31	20.35
22 11 19 00-0460	EA	4" To 6" Diameter Air Gap For Backflow Preventer .....	428.21	35.62
22 11 19 00-0461	EA	8" To 10" Diameter Air Gap For Backflow Preventer.....	458.74	50.88
22 11 19 00-0462		<b>Brass Test Cocks</b> <small>(22 11 19 00-0455)</small>		
22 11 19 00-0463	EA	1/8" Or 1/4" Brass Test Cock .....	38.82	5.09
22 11 19 00-0464		<b>Backflow Valve Enclosures</b> <small>(22 11 19 00-0250)</small>		
22 11 19 00-0465		<b>Flip-Top, Insulated Fiberglass Valve Enclosures</b> <small>(22 11 19 00-0464)</small> Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0466	EA	19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	804.42 97.77	91.57
22 11 19 00-0467	EA	27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	986.80 125.13	91.57
22 11 19 00-0468	EA	27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	1,247.50 166.04	84.34
22 11 19 00-0469	EA	33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	1,299.11 166.75	112.45
22 11 19 00-0470	EA	39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	1,360.96 176.03	112.45
22 11 19 00-0471	EA	47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	1,602.02 212.19	112.45
22 11 19 00-0472	EA	39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	1,608.36 213.14	112.45
22 11 19 00-0473	EA	47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	2,019.10 274.75	112.45
22 11 19 00-0474	EA	70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	4,640.69 653.93	168.67
22 11 19 00-0475	EA	83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	6,713.42 964.84	168.67
22 11 19 00-0476	EA	70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	6,380.39 914.89	168.67
22 11 19 00-0477	EA	83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	7,681.66 1,103.05	196.79
22 11 19 00-0478		<b>One-Piece Drop Over, Insulated Fiberglass Valve Enclosures</b> <small>(22 11 19 00-0464)</small> Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0479	EA	20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	437.17 79.29	24.42
22 11 19 00-0480	EA	27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	605.27 112.91	24.42
22 11 19 00-0481	EA	38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	757.46 144.00	22.49
22 11 19 00-0482	EA	47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	1,141.25 220.75	22.49
22 11 19 00-0483	EA	70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	2,950.23 575.99	42.17
22 11 19 00-0484	EA	83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	4,023.86 790.71	42.17
22 11 19 00-0485	EA	45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	2,683.80 522.70	42.17
22 11 19 00-0486	EA	53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	3,035.87 593.12	42.17
22 11 19 00-0487	EA	61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	4,743.85 934.71	42.17

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 11 19 00-0488	<b>Sectional, Insulated Aluminum Valve Enclosures</b> <small>(22 11 19 00-0464)</small>		
	Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0489	EA 70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure .....	6,033.41	183.15
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	859.22	
22 11 19 00-0490	EA 83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure .....	6,647.14	183.15
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	951.28	
22 11 19 00-0491	EA 53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure .....	4,715.22	168.67
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	665.11	
22 11 19 00-0492	EA 53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure .....	5,168.78	168.67
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	733.15	
22 11 19 00-0493	EA 90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure .....	6,018.95	224.90
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	846.62	
22 11 19 00-0494	EA 102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure .....	6,745.28	224.90
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	955.57	
22 11 19 00-0495	EA 90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure .....	6,745.28	224.90
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	955.57	
22 11 19 00-0496	EA 102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure .....	7,449.41	224.90
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	1,061.19	
22 11 19 00-0497	EA 62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure .....	5,597.83	196.79
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	790.48	
22 11 19 00-0498	EA 62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure .....	6,553.39	224.90
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	926.78	
22 11 19 00-0499	EA 105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure.....	7,652.40	224.90
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	1,091.63	
22 11 19 00-0500	EA 125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure.....	8,398.98	238.96
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	1,200.11	
22 11 19 00-0501	EA 105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure.....	8,615.53	259.46
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	1,227.46	
22 11 19 00-0502	EA 125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure.....	9,548.08	274.73
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	1,363.53	
22 11 19 00-0503	EA 105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure.....	9,875.06	253.02
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	1,418.01	
22 11 19 00-0504	EA 72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure .....	7,176.64	224.90
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	1,020.27	
22 11 19 00-0505	EA 72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure .....	7,647.64	224.90
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	1,090.92	
22 11 19 00-0506	EA 72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure .....	8,651.14	238.96
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	1,237.93	
22 11 19 00-0507	EA 72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure .....	10,479.28	253.02
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	1,508.64	
22 11 19 00-0508	EA 118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure.....	9,148.73	112.45
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	1,309.06	
22 11 19 00-0509	EA 142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure.....	10,987.98	112.45
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	1,581.43	
22 11 19 00-0510	EA 118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure.....	10,624.82	168.67
	For One 24" Fluorescent Light Fixture, Add	570.25	
	For Two 24" Fluorescent Light Fixture, Add	1,020.45	
	For Heated Enclosure, Add	1,526.96	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 19 00-0511	EA			142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i> <i>For Heated Enclosure, Add</i>	12,325.74 570.25 1,020.45 1,775.06	168.67
22 11 19 00-0512	EA			142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i> <i>For Heated Enclosure, Add</i>	11,374.57 570.25 1,020.45 1,635.90	168.67
22 11 19 00-0513	EA			172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i> <i>For Heated Enclosure, Add</i>	13,291.17 570.25 1,020.45 1,916.37	196.79
22 11 19 00-0514	EA			142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i> <i>For Heated Enclosure, Add</i>	13,338.02 570.25 1,020.45 1,916.37	168.67
22 11 19 00-0515	EA			172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i> <i>For Heated Enclosure, Add</i>	15,819.19 570.25 1,020.45 2,281.51	168.67

**22 11 19 00-0516 Lift-Off Lightweight Backflow Valve Enclosures With Recessed Locksheild Brackets** (22 11 19 00-0464)

Note: 1-1/2", 0.095" wall tubular steel framework with 1" x 1" x 1/8" angle iron, 1/2" #13 gauge diamond pattern rolled expanded metal, all welded construction. Excludes concrete pad.

22 11 19 00-0517	EA			22" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures ..... Note: BP-1	583.38	91.57
22 11 19 00-0518	EA			30" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures ..... Note: BP-2	651.82	112.45
22 11 19 00-0519	EA			40" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures ..... Note: BP-3	705.67	112.45
22 11 19 00-0520	EA			46" Length x 10" Width x 30" Height, Backflow Preventer Caged Enclosures ..... Note: BP-4	859.12	112.45

**22 11 19 00-0521 Faucets (Hose Bibbs)** (22 11 19)

**22 11 19 00-0522 Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends** (22 11 19 00-0521)

22 11 19 00-0523	EA			1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends .....	53.86	10.18
22 11 19 00-0524	EA			3/4" Faucet, Bronze Garden Hose Valve With Screwed Ends, 125# .....	62.41	11.20
22 11 19 00-0525	EA			3/4" Hose Valve With Screwed Ends And Vacuum Breaker, 125# .....	21.77	7.63

**22 11 19 00-0526 Chrome Plated Brass Hose Valves, Screwed Ends** (22 11 19 00-0521)

22 11 19 00-0527	EA			3/4" Hose Valve With Screwed Ends (Chicago Faucets #387-CP) .....	204.69	31.13
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**22 11 19 00-0528 Antisiphon Freezeless Wall Faucet** (22 11 19 00-0521)

22 11 19 00-0529	EA			4" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	147.61	25.44
22 11 19 00-0530	EA			6" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	158.93	28.19
22 11 19 00-0531	EA			8" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	167.69	29.81
22 11 19 00-0532	EA			10" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	176.44	31.95
22 11 19 00-0533	EA			12" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	185.31	33.88

**22 11 19 00-0534 Keyed, Recessed Valve Boxes** (22 11 19)

22 11 19 00-0535	EA			8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box .....	218.10	30.34
22 11 19 00-0536	EA			8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box .....	240.59	30.34
22 11 19 00-0537	EA			8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box .....	274.32	30.34
22 11 19 00-0538	EA			12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box .....	272.05	40.45
22 11 19 00-0539	EA			12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box .....	305.79	40.45
22 11 19 00-0540	EA			12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box .....	315.91	40.45
22 11 19 00-0541	EA			8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box .....	254.08	30.34
22 11 19 00-0542	EA			8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box .....	303.56	30.34
22 11 19 00-0543	EA			8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box .....	347.42	30.34
22 11 19 00-0544	EA			12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box .....	335.03	40.45
22 11 19 00-0545	EA			12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box .....	378.88	40.45
22 11 19 00-0546	EA			12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box .....	395.75	40.45

**22 11 23 Domestic Water Pumps** (22 11)

**22 11 23 13 Domestic Water Packaged Booster Pumps** (22 11 23)

Note: Includes motor starter and controls.

**22 11 23 13-0001 Simplex Domestic Water Packaged Booster Pumps And Tank** (22 11 23 13)

22 11 23 13-0002	EA			1 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	8,047.16	299.87
22 11 23 13-0003	EA			1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	8,416.28	402.95
22 11 23 13-0004	EA			2 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	8,841.10	506.03
22 11 23 13-0005	EA			3 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	9,238.06	609.11
22 11 23 13-0006	EA			5 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	10,247.79	712.19
22 11 23 13-0007	EA			7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	11,396.80	815.27
22 11 23 13-0008	EA			10 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	12,211.55	918.35

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 11 23 13-009		<b>Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator</b> <sup>(22 11 23 13)</sup>			
22 11 23 13-010	EA	100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....		21,899.08	1,216.76
22 11 23 13-011	EA	200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....		26,279.68	1,292.80
22 11 23 13-012	EA	300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....		30,678.03	1,368.86
22 11 23 13-013		<b>Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator</b> <sup>(22 11 23 13)</sup>			
22 11 23 13-014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....		28,654.15	1,292.80
22 11 23 13-015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....		35,540.82	1,368.86
22 11 23 13-016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....		44,073.63	1,520.94
22 11 23 13-017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....		55,693.60	1,673.04
22 11 23 13-018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....		67,313.56	1,825.14
22 11 23 13-019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....		78,377.90	2,053.28
22 11 23 13-020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....		89,442.21	2,281.43
22 11 23 13-021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....		100,506.53	2,509.57
22 11 23 13-022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....		111,760.97	2,813.76
22 11 23 13-023		<b>Variable Speed Duplex Domestic Water Pressure Booster Skid</b> <sup>(22 11 23 13)</sup>			
		Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.			
22 11 23 13-024	EA	40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1).....		29,497.54	1,355.21
22 11 23 13-025	EA	40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2).....		30,837.87	1,355.21
22 11 23 13-026	EA	80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3).....		32,753.04	1,355.21
22 11 23 13-027	EA	80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4).....		35,513.75	1,355.21
22 11 23 13-028	EA	160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5).....		33,551.28	1,439.90
22 11 23 13-029	EA	160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6).....		35,961.26	1,439.90
22 11 23 13-030	EA	160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7).....		39,234.23	1,439.90
22 11 23 13-031	EA	160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8).....		41,894.51	1,439.90
22 11 23 13-032	EA	240 To 280 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9).....		36,651.80	1,524.60
22 11 23 13-033	EA	280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10).....		39,031.22	1,524.60
22 11 23 13-034	EA	240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11).....		44,351.79	1,524.60
22 11 23 13-035	EA	240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12).....		53,281.51	1,524.60
22 11 23 13-036	EA	360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13).....		38,696.50	1,524.60
22 11 23 13-037	EA	360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14).....		43,549.92	1,524.60
22 11 23 13-038	EA	360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15).....		54,233.28	1,524.60
22 11 23 13-039	EA	360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16).....		53,924.76	1,524.60
22 11 23 13-040	EA	440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17).....		64,293.78	1,694.00
22 11 23 13-041	EA	440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18).....		44,283.40	1,694.00
22 11 23 13-042	EA	440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19).....		54,012.08	1,694.00
22 11 23 13-043	EA	440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20).....		53,705.01	1,694.00
22 11 23 13-044	EA	440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21).....		64,771.11	1,694.00
22 11 23 13-045	EA	440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22).....		78,306.86	1,694.00
22 11 23 13-046	EA	60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1).....		37,228.09	1,355.21
22 11 23 13-047		<b>Variable Speed Triplex Domestic Water Pressure Booster Skid</b> <sup>(22 11 23 13)</sup>			
		Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.			
22 11 23 13-048	EA	60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2).....		37,228.09	1,355.21
22 11 23 13-049	EA	120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3).....		41,620.19	1,355.21
22 11 23 13-050	EA	60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4).....		45,409.79	1,355.21
22 11 23 13-051	EA	180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5).....		41,831.94	1,439.90
22 11 23 13-052	EA	180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6).....		45,595.34	1,439.90

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0053	EA		240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7).....	42,710.94	1,439.90
22 11 23 13-0054	EA		240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8).....	45,946.07	1,439.90
22 11 23 13-0055	EA		240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9).....	50,394.92	1,439.90
22 11 23 13-0056	EA		240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10).....	54,082.65	1,439.90
22 11 23 13-0057	EA		300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11).....	43,135.16	1,524.60
22 11 23 13-0058	EA		300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12).....	46,370.29	1,524.60
22 11 23 13-0059	EA		300 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13).....	50,817.69	1,524.60
22 11 23 13-0060	EA		300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14).....	54,505.42	1,524.60
22 11 23 13-0061	EA		360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15).....	46,773.41	1,524.60
22 11 23 13-0062	EA		360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16).....	49,880.48	1,524.60
22 11 23 13-0063	EA		360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17).....	57,557.18	1,524.60
22 11 23 13-0064	EA		360 GPM At 140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18).....	70,084.41	1,524.60
22 11 23 13-0065	EA		480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19).....	47,831.42	1,694.00
22 11 23 13-0066	EA		480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20).....	50,939.94	1,694.00
22 11 23 13-0067	EA		480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21).....	58,616.65	1,694.00
22 11 23 13-0068	EA		480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22).....	71,142.42	1,694.00
22 11 23 13-0069	EA		540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23).....	50,436.41	1,694.00
22 11 23 13-0070	EA		540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24).....	57,413.12	1,694.00
22 11 23 13-0071	EA		540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25).....	72,568.61	1,694.00
22 11 23 13-0072	EA		540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26).....	74,037.01	1,694.00
22 11 23 13-0073	EA		540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27).....	91,630.13	1,694.00
22 11 23 13-0074	EA		660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28).....	57,184.65	2,032.80
22 11 23 13-0075	EA		660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29).....	68,682.98	2,032.80
22 11 23 13-0076	EA		660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30).....	73,043.05	2,032.80
22 11 23 13-0077	EA		660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31).....	87,999.17	2,032.80
22 11 23 13-0078	EA		660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32).....	108,927.84	2,032.80

**22 11 23 23 Domestic-Water In-Line Pumps (22 11 23)**

**22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)**

Note: ODP motor.

22 11 23 23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B).....	724.47	168.67
22 11 23 23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B).....	740.61	168.67
22 11 23 23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B).....	772.08	171.95
22 11 23 23-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B).....	843.75	178.98
22 11 23 23-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B).....	1,421.12	185.66
22 11 23 23-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB).....	1,507.58	185.66
22 11 23 23-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB).....	2,203.86	204.42
22 11 23 23-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB).....	2,305.87	224.57
22 11 23 23-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB).....	2,774.99	247.08
22 11 23 23-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S).....	2,849.32	271.92
22 11 23 23-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S).....	3,116.87	298.65
22 11 23 23-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S).....	4,399.59	328.66
22 11 23 23-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S).....	5,045.31	344.59

**22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)**

Note: ODP motor.

22 11 23 23-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30).....	749.86	168.67
22 11 23 23-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36).....	1,177.61	168.67
22 11 23 23-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	1,184.38	171.95
22 11 23 23-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	1,205.39	175.70
22 11 23 23-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50).....	1,211.93	178.98
22 11 23 23-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75).....	1,237.03	185.66
22 11 23 23-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2).....	1,496.91	204.42
22 11 23 23-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30).....	1,920.23	247.08
22 11 23 23-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S).....	2,030.74	271.92
22 11 23 23-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S).....	2,357.41	298.65
22 11 23 23-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S).....	3,131.57	328.66
22 11 23 23-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S).....	3,634.93	344.59
22 11 23 23-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	3,298.43	361.95

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 11 23 23-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,551.79	397.86
22 11 23 23-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,902.17	421.95
22 11 23 23-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	4,886.52	468.83
22 11 23 23-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	5,227.16	562.70
22 11 23 23-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	6,626.63	656.65

**22 12 Facility Potable-Water Storage Tanks** (22 10)**22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks** (22 12)**22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks** (22 12 19)

22 12 19 00-0002	EA	5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	27,701.81	8,368.58
22 12 19 00-0003	EA	10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	30,494.69	8,368.58
22 12 19 00-0004	EA	20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	53,137.14	12,914.50
22 12 19 00-0005	EA	35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	68,643.94	16,737.16

**22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks** (22 12 19)

22 12 19 00-0007	EA	5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	31,839.41	8,368.58
22 12 19 00-0008	EA	10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	41,562.78	8,368.58
22 12 19 00-0009	EA	20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	62,459.29	12,914.50
22 12 19 00-0010	EA	35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	87,589.34	16,737.16

**22 12 23 Facility Indoor Potable-Water Storage Tanks** (22 12)**22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks** (22 12 23)**22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH)** (22 12 23 13)

22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)	2,141.07	374.84
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M)	2,652.81	468.54
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A)	4,868.97	515.40
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A)	5,383.94	562.25
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A)	10,654.98	609.11
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A)	9,191.31	655.96
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A)	15,744.64	702.82
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A)	14,517.18	749.67
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A)	15,769.35	796.53
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A)	18,780.72	843.38

**22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T)** (22 12 23 13)

22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S)	1,836.48	374.84
22 12 23 13-0014	EA	120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S)	3,510.70	468.54
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	4,384.55	515.40
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S)	5,413.92	562.25
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	4,604.59	562.25
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	7,100.86	609.11
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	7,684.79	655.96
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	7,317.12	655.96
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	6,681.12	655.96
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	9,126.62	702.82
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	9,899.66	749.67
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	11,487.70	796.53
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	21,504.01	843.38

**22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks** (22 12 23)**22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks** (22 12 23 26)

Note: Excludes excavation and backfill.

22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank	559.71	210.85
		<i>For Saddle Assembly, Add</i>	619.27	
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank	655.43	245.99
		<i>For Saddle Assembly, Add</i>	619.27	
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank	775.61	281.13
		<i>For Saddle Assembly, Add</i>	702.36	
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank	939.76	316.27
		<i>For Saddle Assembly, Add</i>	1,026.57	
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,121.84	351.41
		<i>For Two Tie Down Bands, Add</i>	359.60	
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,453.94	478.40
		<i>For Two Tie Down Bands, Add</i>	382.41	
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,142.32	558.13
		<i>For Three Tie Down Bands, Add</i>	646.93	
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	3,058.05	637.87
		<i>For Three Tie Down Bands, Add</i>	651.82	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 12 23 26-0010	EA			1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank..... <i>For Four Tie Down Bands, Add</i>	3,801.39 882.13	717.60
22 12 23 26-0011	EA			2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank..... <i>For Four Tie Down Bands, Add</i>	4,444.46 1,214.49	797.33
22 12 23 26-0012	EA			2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank..... <i>For Four Tie Down Bands, Add</i>	6,301.42 1,579.43	877.07
22 12 23 26-0013	EA			3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank..... <i>For Four Tie Down Bands, Add</i>	7,287.50 1,703.25	956.81
22 12 23 26-0014	EA			4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank..... <i>For Four Tie Down Bands, Add</i>	10,448.34 1,918.31	1,275.73
22 12 23 26-0015	EA			5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank..... <i>For Five Tie Down Bands, Add</i>	13,442.68 2,992.53	1,275.73

**22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks** (22 12 23 26)

22 12 23 26-0017	EA			100 Gallon Vertical Non-Pressurized Polyethylene Tank.....	620.83	281.13
22 12 23 26-0018	EA			160 Gallon Vertical Non-Pressurized Polyethylene Tank.....	740.39	298.70
22 12 23 26-0019	EA			210 Gallon Vertical Non-Pressurized Polyethylene Tank.....	811.05	316.27
22 12 23 26-0020	EA			300 Gallon Vertical Non-Pressurized Polyethylene Tank.....	976.84	351.41
22 12 23 26-0021	EA			405 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,117.79	421.69
22 12 23 26-0022	EA			500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,319.03	491.98
22 12 23 26-0023	EA			800 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,834.52	637.87
22 12 23 26-0024	EA			1,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,369.73	797.33
22 12 23 26-0025	EA			2,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	3,162.34	956.81
22 12 23 26-0026	EA			3,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	4,108.11	1,116.27
22 12 23 26-0027	EA			4,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	5,971.12	1,275.73
22 12 23 26-0028	EA			5,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	8,026.38	1,435.20
22 12 23 26-0029	EA			6,250 Gallon Vertical Non-Pressurized Polyethylene Tank.....	9,092.72	1,594.67
22 12 23 26-0030	EA			7,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	10,018.93	1,754.14
22 12 23 26-0031	EA			8,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	11,521.88	1,913.60
22 12 23 26-0032	EA			9,150 Gallon Vertical Non-Pressurized Polyethylene Tank.....	12,997.15	2,073.08
22 12 23 26-0033	EA			10,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	16,020.16	2,232.54
22 12 23 26-0034	EA			12,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	19,247.65	2,551.47

**22 13 Facility Sanitary Sewerage** (22 10)

**22 13 13 Facility Sanitary Sewers** (22 13)

**22 13 13 00-0001 Fixture Rough-In** (22 13 13)

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible.

**22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe** (22 13 13 00-0001)

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003	EA			Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	886.06	
22 13 13 00-0004	EA			Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,166.72	
22 13 13 00-0005	EA			Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	807.99	
22 13 13 00-0006	EA			Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	521.95	
22 13 13 00-0007	EA			Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	615.04	
22 13 13 00-0008	EA			Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	786.40	
22 13 13 00-0009	EA			Bathub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	835.22	
22 13 13 00-0010	EA			Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	505.01	
22 13 13 00-0011	EA			Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	807.99	
22 13 13 00-0012	EA			Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	832.54	
22 13 13 00-0013	EA			Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	785.66	
22 13 13 00-0014	EA			Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	886.06	
22 13 13 00-0015	EA			Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,387.59	
22 13 13 00-0016	EA			Bathub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	858.67	

**22 13 13 00-0017 Double Fixture Rough-In, Cast Iron Waste And Vent Pipe** (22 13 13 00-0001)

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 13 13 00-0018	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....		1,149.34	
		Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.			
22 13 13 00-0019	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....		1,563.70	
		Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.			
22 13 13 00-0020	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....		992.79	
		Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.			
22 13 13 00-0021	EA	Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....		622.38	
		Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.			
22 13 13 00-0022	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....		838.73	
		Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.			
22 13 13 00-0023	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....		888.03	
		Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.			
22 13 13 00-0024	EA	Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....		589.13	
		Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.			
22 13 13 00-0025	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....		1,002.14	
		Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.			
22 13 13 00-0026	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....		876.30	
		Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.			
22 13 13 00-0027	EA	Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....		852.90	
		Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.			
22 13 13 00-0028	EA	Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....		1,149.34	
		Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.			
<b>22 13 13 00-0029</b>		<b>Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe</b> <small>(22 13 13 00-0001)</small>			
		Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.			
22 13 13 00-0030	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....		574.24	
		Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.			
22 13 13 00-0031	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....		781.85	
		Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.			
22 13 13 00-0032	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....		496.85	
		Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.			
22 13 13 00-0033	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....		311.65	
		Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.			
22 13 13 00-0034	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....		419.38	
		Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.			
22 13 13 00-0035	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....		444.00	
		Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.			
22 13 13 00-0036	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....		317.99	
		Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.			
22 13 13 00-0037	EA	Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet .....		500.61	
		Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.			
22 13 13 00-0038	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....		438.15	
		Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.			
22 13 13 00-0039	EA	Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....		426.90	
		Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.			
22 13 13 00-0040	EA	Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....		567.66	
		Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.			
<b>22 13 13 00-0041</b>		<b>Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe</b> <small>(22 13 13 00-0001)</small>			
		Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.			
22 13 13 00-0042	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet .....		436.67	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.			
22 13 13 00-0043	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet .....		425.22	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.			
22 13 13 00-0044	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet .....		424.62	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.			
22 13 13 00-0045	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal .....		245.53	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.			
22 13 13 00-0046	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory .....		286.81	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.			
22 13 13 00-0047	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink .....		404.41	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.			
22 13 13 00-0048	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub .....		398.33	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.			
22 13 13 00-0049	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler .....		246.35	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.			
22 13 13 00-0050	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink .....		424.62	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0051	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....458.86 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	458.86	
22 13 13 00-0052	EA	Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....417.77 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	417.77	
22 13 13 00-0053	EA	Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....436.55 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	436.55	
22 13 13 00-0054	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....668.64 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	668.64	
22 13 13 00-0055	EA	Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....418.83 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	418.83	
<b>22 13 13 00-0056</b>		<b>Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe <sup>(22 13 00-0001)</sup></b> Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....510.58 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	510.58	
22 13 13 00-0058	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....551.93 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	551.93	
22 13 13 00-0059	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....445.94 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	445.94	
22 13 13 00-0060	EA	Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....260.87 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	260.87	
22 13 13 00-0061	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....405.54 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	405.54	
22 13 13 00-0062	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....419.93 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	419.93	
22 13 13 00-0063	EA	Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....259.20 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	259.20	
22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....454.27 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	454.27	
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....465.54 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	465.54	
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....444.63 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	444.63	
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....510.58 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	510.58	
<b>22 13 13 00-0068</b>		<b>Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe <sup>(22 13 00-0001)</sup></b> Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....254.91 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	254.91	
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....275.50 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	275.50	
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....223.25 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	223.25	
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....130.48 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	130.48	
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....202.75 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	202.75	
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....209.73 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	209.73	
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....129.59 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	129.59	
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....227.05 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	227.05	
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....232.80 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	232.80	
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....222.72 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	222.72	
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....248.70 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	248.70	

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 13 16</b>			<b>Sanitary Waste and Vent Piping (22 13)</b>		
22 13 16 00-0001			Cast Iron Soil Pipe Assemblies (22 13 16)		
22 13 16 00-0002			Underground Bell And Spigot Cast Iron Soil Pipe Assemblies (22 13 16 00-0001) Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		
22 13 16 00-0003	LF		2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	29.00	5.90
			<i>For Work In Restricted Working Space, Add</i>	4.33	
22 13 16 00-0004	LF		3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	41.38	8.90
			<i>For Work In Restricted Working Space, Add</i>	5.87	
22 13 16 00-0005	LF		4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	53.67	11.33
			<i>For Work In Restricted Working Space, Add</i>	7.55	
22 13 16 00-0006	LF		5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	62.65	13.82
			<i>For Work In Restricted Working Space, Add</i>	7.78	
22 13 16 00-0007	LF		6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	73.51	15.06
			<i>For Work In Restricted Working Space, Add</i>	8.64	
22 13 16 00-0008	LF		8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	116.49	21.46
			<i>For Work In Restricted Working Space, Add</i>	12.15	
22 13 16 00-0009	LF		10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	170.50	21.46
			<i>For Work In Restricted Working Space, Add</i>	13.76	
22 13 16 00-0010			Aboveground No Hub Cast Iron Soil Pipe Assemblies (22 13 16 00-0001) Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011	LF		1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	26.67	5.63
			<i>For Work In Restricted Working Space, Add</i>	4.94	
22 13 16 00-0012	LF		2" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	28.27	6.00
			<i>For Work In Restricted Working Space, Add</i>	5.30	
22 13 16 00-0013	LF		3" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	36.09	8.71
			<i>For Work In Restricted Working Space, Add</i>	6.50	
22 13 16 00-0014	LF		4" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	42.88	11.33
			<i>For Work In Restricted Working Space, Add</i>	7.78	
22 13 16 00-0015	LF		5" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	56.24	13.56
			<i>For Work In Restricted Working Space, Add</i>	9.20	
22 13 16 00-0016	LF		6" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	63.38	14.79
			<i>For Work In Restricted Working Space, Add</i>	10.03	
22 13 16 00-0017	LF		8" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	99.00	21.28
			<i>For Work In Restricted Working Space, Add</i>	13.85	
22 13 16 00-0018	LF		10" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.	137.87	24.18
			<i>For Work In Restricted Working Space, Add</i>	16.10	
22 13 16 00-0019			Bell And Spigot Cast Iron Soil Pipe And Fittings (22 13 16) Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020			Bell And Spigot Cast Iron Pipe (22 13 16 00-0019) Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF		2" Bell And Spigot Cast Iron Pipe ..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.57 4.89 0.45 2.68	5.90
22 13 16 00-0022	LF		3" Bell And Spigot Cast Iron Pipe ..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.09 7.01 0.67 4.02	8.90



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0023	LF		4" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.76 9.12 0.85 5.11	11.33
22 13 16 00-0024	LF		5" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.32 12.87 1.03 6.20	13.82
22 13 16 00-0025	LF		6" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.88 15.68 1.13 6.77	15.06
22 13 16 00-0026	LF		8" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.24 24.38 1.61 9.66	21.46
22 13 16 00-0027	LF		10" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.87 40.59 1.81 10.87	24.18
22 13 16 00-0028	LF		12" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	188.69 58.97 2.41 14.49	32.23
22 13 16 00-0029	LF		15" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	263.16 86.18 2.90 17.39	38.66
<b>22 13 16 00-0030</b>			<b>Bell And Spigot Cast Iron Fittings (22 13 16 00-0019)</b>		
<b>22 13 16 00-0031</b>			<b>Bell And Spigot Cast Iron Long Sweeps (22 13 16 00-0030)</b>		
22 13 16 00-0032	EA		2" Bell And Spigot Cast Iron Long Sweep..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.38 2.02 18.92 12.09	26.89
22 13 16 00-0033	EA		3" Bell And Spigot Cast Iron Long Sweep..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	160.36 2.53 38.40 15.20	33.83
22 13 16 00-0034	EA		4" Bell And Spigot Cast Iron Long Sweep..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	213.65 3.37 51.18 20.23	44.98
22 13 16 00-0035	EA		6" Bell And Spigot Cast Iron Long Sweep..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	333.84 4.38 86.17 26.29	58.46
22 13 16 00-0036	EA		8" Bell And Spigot Cast Iron Long Sweep..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	662.31 5.66 192.20 33.95	75.52
22 13 16 00-0037	EA		10" Bell And Spigot Cast Iron Long Sweep..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	906.30 6.97 268.45 41.79	92.90
22 13 16 00-0038	EA		12" Bell And Spigot Cast Iron Long Sweep..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,390.23 9.72 418.53 58.33	129.67
22 13 16 00-0039	EA		15" Bell And Spigot Cast Iron Long Sweep..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,583.51 13.54 809.48 81.21	180.56
<b>22 13 16 00-0040</b>			<b>Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)</b>		
22 13 16 00-0041	EA		2" Bell And Spigot Cast Iron Short Sweep..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.11 2.02 13.93 12.09	26.89
22 13 16 00-0042	EA		3" Bell And Spigot Cast Iron Short Sweep..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	136.40 2.53 30.01 15.20	33.83
22 13 16 00-0043	EA		4" Bell And Spigot Cast Iron Short Sweep..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.71 3.37 41.75 20.23	44.98
22 13 16 00-0044	EA		5" Bell And Spigot Cast Iron Short Sweep..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	280.75 3.72 72.19 22.34	49.70
22 13 16 00-0045	EA		6" Bell And Spigot Cast Iron Short Sweep..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	338.97 4.38 87.97 26.29	58.46

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0046	EA		8" Bell And Spigot Cast Iron Short Sweep For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	559.06 5.66 156.06 33.95	75.52
22 13 16 00-0047	EA		10" Bell And Spigot Cast Iron Short Sweep For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	818.20 6.97 237.61 41.79	92.90
22 13 16 00-0048	EA		12" Bell And Spigot Cast Iron Short Sweep For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,357.37 9.72 407.03 58.33	129.67
<b>22 13 16 00-0049</b>			<b>Bell And Spigot Cast Iron 1/4 Bends</b> (22 13 16 00-0030)		
22 13 16 00-0050	EA		2" Bell And Spigot Cast Iron 1/4 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	72.00 2.01 11.12 12.07	26.80
22 13 16 00-0051	EA		3" Bell And Spigot Cast Iron 1/4 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	108.78 2.26 22.23 13.58	30.17
22 13 16 00-0052	EA		4" Bell And Spigot Cast Iron 1/4 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	155.59 3.01 33.37 18.08	40.20
22 13 16 00-0053	EA		5" Bell And Spigot Cast Iron 1/4 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	194.53 3.32 44.81 19.95	44.38
22 13 16 00-0054	EA		6" Bell And Spigot Cast Iron 1/4 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	234.00 3.99 53.99 23.93	53.15
22 13 16 00-0055	EA		8" Bell And Spigot Cast Iron 1/4 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	486.99 5.21 133.97 31.27	69.54
22 13 16 00-0056	EA		10" Bell And Spigot Cast Iron 1/4 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	718.72 6.33 207.27 37.95	84.39
22 13 16 00-0057	EA		12" Bell And Spigot Cast Iron 1/4 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	947.89 7.47 279.48 44.81	99.61
22 13 16 00-0058	EA		15" Bell And Spigot Cast Iron 1/4 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,425.01 11.78 766.33 70.65	157.11
<b>22 13 16 00-0059</b>			<b>Bell And Spigot Cast Iron 1/8 Bends</b> (22 13 16 00-0030)		
22 13 16 00-0060	EA		2" Bell And Spigot Cast Iron 1/8 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	65.68 2.02 8.88 12.09	26.89
22 13 16 00-0061	EA		3" Bell And Spigot Cast Iron 1/8 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	103.01 2.53 18.33 15.20	33.83
22 13 16 00-0062	EA		4" Bell And Spigot Cast Iron 1/8 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	146.87 3.37 27.81 20.23	44.98
22 13 16 00-0063	EA		5" Bell And Spigot Cast Iron 1/8 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	183.42 4.16 35.06 24.97	55.55
22 13 16 00-0064	EA		6" Bell And Spigot Cast Iron 1/8 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	212.18 4.64 41.75 27.87	61.93
22 13 16 00-0065	EA		8" Bell And Spigot Cast Iron 1/8 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	423.38 6.25 104.47 37.47	83.30
22 13 16 00-0066	EA		10" Bell And Spigot Cast Iron 1/8 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	592.53 7.71 153.44 46.24	102.78
22 13 16 00-0067	EA		12" Bell And Spigot Cast Iron 1/8 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	958.36 9.99 265.50 59.93	133.29
22 13 16 00-0068	EA		15" Bell And Spigot Cast Iron 1/8 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,839.35 11.78 561.34 70.65	157.11

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 13 16 00-0069</b>	<b>Bell And Spigot Cast Iron Wyes</b> <small>(22 13 16 00-0030)</small>			
22 13 16 00-0070	EA 2" Bell And Spigot Cast Iron Wye.....	114.51	60.07	
	For Above Ground Cast Iron Pipe Installation, Add	4.51		
	For Extra Heavy Fittings, Add	8.54		
	For Work In Restricted Working Space, Add	27.03		
22 13 16 00-0071	EA 3" Bell And Spigot Cast Iron Wye.....	144.36	65.79	
	For Above Ground Cast Iron Pipe Installation, Add	4.93		
	For Extra Heavy Fittings, Add	16.00		
	For Work In Restricted Working Space, Add	29.59		
22 13 16 00-0072	EA 4" Bell And Spigot Cast Iron Wye.....	190.07	86.21	
	For Above Ground Cast Iron Pipe Installation, Add	6.46		
	For Extra Heavy Fittings, Add	21.30		
	For Work In Restricted Working Space, Add	38.77		
22 13 16 00-0073	EA 5" Bell And Spigot Cast Iron Wye.....	244.74	95.59	
	For Above Ground Cast Iron Pipe Installation, Add	7.17		
	For Extra Heavy Fittings, Add	35.49		
	For Work In Restricted Working Space, Add	43.01		
22 13 16 00-0074	EA 6" Bell And Spigot Cast Iron Wye.....	307.27	113.30	
	For Above Ground Cast Iron Pipe Installation, Add	8.49		
	For Extra Heavy Fittings, Add	48.08		
	For Work In Restricted Working Space, Add	50.97		
22 13 16 00-0075	EA 8" Bell And Spigot Cast Iron Wye.....	564.96	152.12	
	For Above Ground Cast Iron Pipe Installation, Add	11.40		
	For Extra Heavy Fittings, Add	117.90		
	For Work In Restricted Working Space, Add	68.43		
22 13 16 00-0076	EA 10" Bell And Spigot Cast Iron Wye.....	793.39	172.59	
	For Above Ground Cast Iron Pipe Installation, Add	12.94		
	For Extra Heavy Fittings, Add	187.14		
	For Work In Restricted Working Space, Add	77.61		
22 13 16 00-0077	EA 12" Bell And Spigot Cast Iron Wye.....	1,175.14	210.08	
	For Above Ground Cast Iron Pipe Installation, Add	15.75		
	For Extra Heavy Fittings, Add	301.06		
	For Work In Restricted Working Space, Add	94.49		
22 13 16 00-0078	EA 15" Bell And Spigot Cast Iron Wye.....	1,826.28	235.71	
	For Above Ground Cast Iron Pipe Installation, Add	17.67		
	For Extra Heavy Fittings, Add	515.52		
	For Work In Restricted Working Space, Add	106.01		

<b>22 13 16 00-0079</b>	<b>Bell And Spigot Cast Iron Reducing Wyes</b> <small>(22 13 16 00-0030)</small>			
22 13 16 00-0080	EA 3" x 2" Bell And Spigot Cast Iron Reducing Wye .....	181.95	62.78	
	For Above Ground Cast Iron Pipe Installation, Add	4.71		
	For Extra Heavy Fittings, Add	30.73		
	For Work In Restricted Working Space, Add	28.25		
22 13 16 00-0081	EA 4" x 2" Bell And Spigot Cast Iron Reducing Wye .....	221.43	77.60	
	For Above Ground Cast Iron Pipe Installation, Add	5.82		
	For Extra Heavy Fittings, Add	36.77		
	For Work In Restricted Working Space, Add	34.91		
22 13 16 00-0082	EA 4" x 3" Bell And Spigot Cast Iron Reducing Wye .....	247.23	79.56	
	For Above Ground Cast Iron Pipe Installation, Add	5.97		
	For Extra Heavy Fittings, Add	44.76		
	For Work In Restricted Working Space, Add	35.80		
22 13 16 00-0083	EA 6" x 2" Bell And Spigot Cast Iron Reducing Wye .....	365.27	101.52	
	For Above Ground Cast Iron Pipe Installation, Add	7.61		
	For Extra Heavy Fittings, Add	74.60		
	For Work In Restricted Working Space, Add	45.64		
22 13 16 00-0084	EA 6" x 3" Bell And Spigot Cast Iron Reducing Wye .....	374.77	103.38	
	For Above Ground Cast Iron Pipe Installation, Add	7.75		
	For Extra Heavy Fittings, Add	76.91		
	For Work In Restricted Working Space, Add	46.51		
22 13 16 00-0085	EA 6" x 4" Bell And Spigot Cast Iron Reducing Wye .....	392.21	110.30	
	For Above Ground Cast Iron Pipe Installation, Add	8.27		
	For Extra Heavy Fittings, Add	79.39		
	For Work In Restricted Working Space, Add	49.61		
22 13 16 00-0086	EA 8" x 2" Bell And Spigot Cast Iron Reducing Wye .....	578.73	122.33	
	For Above Ground Cast Iron Pipe Installation, Add	9.17		
	For Extra Heavy Fittings, Add	138.37		
	For Work In Restricted Working Space, Add	55.02		
22 13 16 00-0087	EA 8" x 3" Bell And Spigot Cast Iron Reducing Wye .....	605.06	124.69	
	For Above Ground Cast Iron Pipe Installation, Add	9.35		
	For Extra Heavy Fittings, Add	146.36		
	For Work In Restricted Working Space, Add	56.07		
22 13 16 00-0088	EA 8" x 4" Bell And Spigot Cast Iron Reducing Wye .....	619.53	130.58	
	For Above Ground Cast Iron Pipe Installation, Add	9.79		
	For Extra Heavy Fittings, Add	148.31		
	For Work In Restricted Working Space, Add	58.73		
22 13 16 00-0089	EA 8" x 6" Bell And Spigot Cast Iron Reducing Wye .....	732.39	145.25	
	For Above Ground Cast Iron Pipe Installation, Add	10.89		
	For Extra Heavy Fittings, Add	180.11		
	For Work In Restricted Working Space, Add	65.34		
22 13 16 00-0090	EA 10" x 3" Bell And Spigot Cast Iron Reducing Wye .....	904.89	136.10	
	For Above Ground Cast Iron Pipe Installation, Add	10.20		
	For Extra Heavy Fittings, Add	245.29		
	For Work In Restricted Working Space, Add	61.22		
22 13 16 00-0091	EA 10" x 4" Bell And Spigot Cast Iron Reducing Wye .....	941.29	142.08	
	For Above Ground Cast Iron Pipe Installation, Add	10.65		
	For Extra Heavy Fittings, Add	254.88		
	For Work In Restricted Working Space, Add	63.92		

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0092	EA 10" x 6" Bell And Spigot Cast Iron Reducing Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,029.72 11.78 277.97 70.65	157.11
22 13 16 00-0093	EA 10" x 8" Bell And Spigot Cast Iron Reducing Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,363.20 12.49 389.69 74.94	166.62
22 13 16 00-0094	EA 12" x 4" Bell And Spigot Cast Iron Reducing Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,403.29 12.49 403.73 74.94	166.62
22 13 16 00-0095	EA 12" x 6" Bell And Spigot Cast Iron Reducing Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,460.25 13.54 416.34 81.21	180.56
22 13 16 00-0096	EA 12" x 8" Bell And Spigot Cast Iron Reducing Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,715.69 14.20 501.06 85.22	189.52
22 13 16 00-0097	EA 12" x 10" Bell And Spigot Cast Iron Reducing Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,087.03 14.63 628.06 87.77	195.14
22 13 16 00-0098	EA 15" x 4" Bell And Spigot Cast Iron Reducing Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,456.75 13.79 1,113.31 82.76	184.00
22 13 16 00-0099	EA 15" x 6" Bell And Spigot Cast Iron Reducing Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,607.38 14.93 1,158.07 89.58	199.12
22 13 16 00-0100	EA 15" x 8" Bell And Spigot Cast Iron Reducing Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,681.12 15.57 1,179.39 93.43	207.72
22 13 16 00-0101	EA 15" x 10" Bell And Spigot Cast Iron Reducing Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,766.74 16.10 1,205.67 96.59	214.79
22 13 16 00-0102	EA 15" x 12" Bell And Spigot Cast Iron Reducing Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,861.64 17.04 1,232.32 102.22	227.28
<b>22 13 16 00-0103</b>	<b>Bell And Spigot Cast Iron Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0030)</small>		
22 13 16 00-0104	EA 2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	124.96 4.51 12.20 27.03	60.07
22 13 16 00-0105	EA 3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.81 4.93 18.26 29.59	65.79
22 13 16 00-0106	EA 4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	201.28 6.46 25.22 38.77	86.21
22 13 16 00-0107	EA 5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	280.87 7.52 45.70 45.09	100.28
22 13 16 00-0108	EA 6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	351.79 9.32 57.87 55.94	124.38
22 13 16 00-0109	EA 8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	648.04 12.28 140.87 73.67	163.80
22 13 16 00-0110	EA 10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	936.02 16.10 214.92 96.59	214.79
22 13 16 00-0111	EA 12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,255.42 20.70 294.52 124.18	276.09
<b>22 13 16 00-0112</b>	<b>Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0030)</small>		
22 13 16 00-0113	EA 3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.29 4.71 13.70 28.25	62.78

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0114 EA 4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	188.25 5.82 25.15 34.91	77.60
22 13 16 00-0115 EA 4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	203.43 5.97 29.43 35.80	79.56
22 13 16 00-0116 EA 6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	302.47 7.61 52.62 45.64	101.52
22 13 16 00-0117 EA 6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	315.15 7.75 56.04 46.51	103.38
22 13 16 00-0118 EA 6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	334.04 8.27 59.03 49.61	110.30
22 13 16 00-0119 EA 8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	462.07 9.17 97.53 55.02	122.33
22 13 16 00-0120 EA 8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	474.45 9.79 97.53 58.73	130.58
22 13 16 00-0121 EA 8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	600.37 10.89 133.90 65.34	145.25
<b>22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes (22 13 16 00-0030)</b>		
22 13 16 00-0123 EA 2" Bell And Spigot Cast Iron Double Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	204.13 5.39 33.75 32.31	71.88
22 13 16 00-0124 EA 3" Bell And Spigot Cast Iron Double Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	297.70 6.79 56.66 40.74	90.61
22 13 16 00-0125 EA 4" Bell And Spigot Cast Iron Double Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	404.31 8.59 81.35 51.56	114.60
22 13 16 00-0126 EA 6" Bell And Spigot Cast Iron Double Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	776.60 13.05 180.46 78.30	174.07
22 13 16 00-0127 EA 8" Bell And Spigot Cast Iron Double Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,563.26 15.41 439.25 92.48	205.64
22 13 16 00-0128 EA 10" Bell And Spigot Cast Iron Double Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,073.95 17.25 605.15 103.49	230.08
22 13 16 00-0129 EA 12" Bell And Spigot Cast Iron Double Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,431.80 20.70 356.25 124.18	276.09
22 13 16 00-0130 EA 15" Bell And Spigot Cast Iron Double Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,063.59 21.73 1,270.13 130.40	289.77
<b>22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0030)</b>		
22 13 16 00-0132 EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	184.35 6.37 19.91 38.24	85.00
22 13 16 00-0133 EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	214.27 7.32 23.75 43.93	97.64
22 13 16 00-0134 EA 4" x 3" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	232.23 7.68 27.51 46.09	102.42
22 13 16 00-0135 EA 6" x 2" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	298.34 9.05 41.07 54.30	120.75
22 13 16 00-0136 EA 6" x 3" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	316.40 9.40 44.97 56.37	125.35

**22 Plumbing**

**22 10 Plumbing Piping**

**22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0137	EA 6" x 4" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	364.47 10.25 55.84 61.48	136.69
22 13 16 00-0138	EA 8" x 4" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	591.78 11.88 123.99 71.25	158.46
22 13 16 00-0139	EA 8" x 6" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	643.76 14.06 126.89 84.37	187.53
22 13 16 00-0140	EA 10" x 4" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	630.38 12.71 131.67 76.25	169.51
22 13 16 00-0141	EA 10" x 6" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	734.58 14.93 152.59 89.58	199.12
22 13 16 00-0142	EA 10" x 8" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	906.75 16.27 203.46 97.63	217.05
22 13 16 00-0143	EA 12" x 6" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	926.14 16.65 207.63 99.87	222.03
22 13 16 00-0144	EA 12" x 8" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,186.21 18.11 288.40 108.66	241.59
<b>22 13 16 00-0145</b>	<b>Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends</b> (22 13 16 00-0030)		
22 13 16 00-0146	EA 2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	169.57 5.39 21.65 32.31	71.88
22 13 16 00-0147	EA 3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	228.41 7.21 29.48 43.25	96.15
22 13 16 00-0148	EA 4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	298.76 9.01 41.49 54.06	120.23
22 13 16 00-0149	EA 6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	659.20 14.58 128.63 87.50	194.54
<b>22 13 16 00-0150</b>	<b>Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends</b> (22 13 16 00-0030)		
22 13 16 00-0151	EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	227.00 6.46 34.22 38.77	86.21
22 13 16 00-0152	EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	269.62 7.32 43.12 43.93	97.64
22 13 16 00-0153	EA 4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	302.75 8.15 48.94 48.88	108.71
22 13 16 00-0154	EA 6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	609.92 10.88 137.32 65.27	145.11
<b>22 13 16 00-0155</b>	<b>Bell And Spigot Cast Iron Sanitary Tees</b> (22 13 16 00-0030)		
22 13 16 00-0156	EA 2" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.39 4.51 16.87 27.05	60.16
22 13 16 00-0157	EA 3" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.51 4.93 20.60 29.59	65.79
22 13 16 00-0158	EA 4" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	254.87 6.04 46.89 36.27	80.59

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0159	EA			5" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	371.14 6.63 83.48 39.79	88.41
22 13 16 00-0160	EA			6" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	445.23 7.95 100.18 47.70	106.04
22 13 16 00-0161	EA			8" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	962.01 10.42 263.76 62.52	139.00
22 13 16 00-0162	EA			10" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,447.77 12.71 417.76 76.25	169.51
22 13 16 00-0163	EA			12" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,163.09 14.93 652.57 89.58	199.12
<b>22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)</b>						
22 13 16 00-0165	EA			3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.52 4.71 32.33 28.25	62.78
22 13 16 00-0166	EA			4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	220.88 5.51 38.72 33.08	73.56
22 13 16 00-0167	EA			4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	231.54 5.51 42.45 33.08	73.56
22 13 16 00-0168	EA			6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	351.06 7.61 69.63 45.64	101.52
22 13 16 00-0169	EA			6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	365.63 7.75 73.71 46.51	103.38
22 13 16 00-0170	EA			6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	396.78 8.27 80.99 49.61	110.30
22 13 16 00-0171	EA			8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	679.92 9.79 169.45 58.73	130.58
22 13 16 00-0172	EA			8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	854.69 10.89 222.91 65.34	145.25
<b>22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)</b>						
22 13 16 00-0174	EA			2" Bell And Spigot Cast Iron Vent Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	118.27 4.51 9.86 27.03	60.07
22 13 16 00-0175	EA			3" Bell And Spigot Cast Iron Vent Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	147.66 4.93 17.16 29.59	65.79
22 13 16 00-0176	EA			4" Bell And Spigot Cast Iron Vent Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.65 6.46 23.25 38.77	86.21
22 13 16 00-0177	EA			5" Bell And Spigot Cast Iron Vent Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	249.41 7.52 34.69 45.09	100.28
22 13 16 00-0178	EA			6" Bell And Spigot Cast Iron Vent Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	314.13 9.32 44.69 55.94	124.38
22 13 16 00-0179	EA			8" Bell And Spigot Cast Iron Vent Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	542.69 12.28 104.00 73.67	163.80
<b>22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)</b>						
22 13 16 00-0181	EA			2" Bell And Spigot Cast Iron Tapped Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	121.56 4.51 11.01 27.03	60.07

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0182	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	134.21 4.93 12.45 29.59	65.79
22 13 16 00-0183	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	173.07 6.46 15.35 38.77	86.21
<b>22 13 16 00-0184</b>			<b>Bell And Spigot Cast Iron Tapped Sanitary Crosses</b> (22 13 16 00-0030)		
22 13 16 00-0185	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.64 4.51 11.74 27.03	60.07
22 13 16 00-0186	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.17 4.93 13.84 29.59	65.79
22 13 16 00-0187	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	183.01 6.46 18.83 38.77	86.21
<b>22 13 16 00-0188</b>			<b>Bell And Spigot Cast Iron Reducers</b> (22 13 16 00-0030)		
22 13 16 00-0189	EA		3" x 2" Bell And Spigot Cast Iron Reducer <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.46 2.53 6.23 15.20	33.83
22 13 16 00-0190	EA		4" x 2" Bell And Spigot Cast Iron Reducer <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.56 3.35 6.52 20.08	44.60
22 13 16 00-0191	EA		4" x 3" Bell And Spigot Cast Iron Reducer <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	91.63 3.37 8.47 20.23	44.98
22 13 16 00-0192	EA		6" x 2" Bell And Spigot Cast Iron Reducer <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	115.70 4.03 12.31 24.16	53.69
22 13 16 00-0193	EA		6" x 3" Bell And Spigot Cast Iron Reducer <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	121.12 4.08 13.84 24.48	54.40
22 13 16 00-0194	EA		6" x 4" Bell And Spigot Cast Iron Reducer <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.06 4.16 14.64 24.97	55.55
22 13 16 00-0195	EA		8" x 2" Bell And Spigot Cast Iron Reducer <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	163.00 4.29 27.02 25.74	57.22
22 13 16 00-0196	EA		8" x 3" Bell And Spigot Cast Iron Reducer <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	183.75 5.29 27.30 31.73	70.54
22 13 16 00-0197	EA		8" x 4" Bell And Spigot Cast Iron Reducer <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	188.59 5.43 28.03 32.55	72.35
22 13 16 00-0198	EA		8" x 6" Bell And Spigot Cast Iron Reducer <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.73 5.66 28.54 33.95	75.52
22 13 16 00-0199	EA		10" x 4" Bell And Spigot Cast Iron Reducer <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	243.81 6.35 40.85 38.13	84.76
22 13 16 00-0200	EA		10" x 6" Bell And Spigot Cast Iron Reducer <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	257.08 6.68 43.25 40.05	89.01
22 13 16 00-0201	EA		10" x 8" Bell And Spigot Cast Iron Reducer <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	274.05 6.97 47.16 41.79	92.90
22 13 16 00-0202	EA		12" x 4" Bell And Spigot Cast Iron Reducer <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	341.48 7.55 66.70 45.28	100.69
22 13 16 00-0203	EA		12" x 6" Bell And Spigot Cast Iron Reducer <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	380.48 8.83 71.33 53.00	117.81
22 13 16 00-0204	EA		12" x 8" Bell And Spigot Cast Iron Reducer <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	411.06 10.06 73.44 60.37	134.19



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0205	EA		12" x 10" Bell And Spigot Cast Iron Reducer ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	449.85 11.59 76.34 69.52	154.57
22 13 16 00-0206	EA		15" x 6" Bell And Spigot Cast Iron Reducer ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	590.99 11.59 125.74 69.52	154.57
22 13 16 00-0207	EA		15" x 8" Bell And Spigot Cast Iron Reducer ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	628.68 12.49 132.61 74.94	166.62
22 13 16 00-0208	EA		15" x 10" Bell And Spigot Cast Iron Reducer ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	654.48 13.17 136.87 79.03	175.67
22 13 16 00-0209	EA		15" x 12" Bell And Spigot Cast Iron Reducer ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	689.49 14.06 142.89 84.37	187.53
<b>22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)</b>					
22 13 16 00-0211	EA		2" Bell And Spigot Cast Iron P-Trap ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.76 2.02 10.66 12.09	26.89
22 13 16 00-0212	EA		3" Bell And Spigot Cast Iron P-Trap ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.95 2.53 15.51 15.20	33.83
22 13 16 00-0213	EA		4" Bell And Spigot Cast Iron P-Trap ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.48 3.37 21.72 20.23	44.98
22 13 16 00-0214	EA		5" Bell And Spigot Cast Iron P-Trap ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	207.54 3.72 46.57 22.34	49.70
22 13 16 00-0215	EA		6" Bell And Spigot Cast Iron P-Trap ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	279.25 4.38 67.07 26.29	58.46
22 13 16 00-0216	EA		8" Bell And Spigot Cast Iron P-Trap ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	624.72 5.66 179.04 33.95	75.52
22 13 16 00-0217	EA		10" Bell And Spigot Cast Iron P-Trap ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	691.96 6.97 193.43 41.79	92.90
<b>22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)</b>					
22 13 16 00-0219	EA		2" Bell And Spigot Cast Iron Deep Seal P-Trap ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.33 2.02 14.71 12.09	26.89
22 13 16 00-0220	EA		3" Bell And Spigot Cast Iron Deep Seal P-Trap ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.69 2.53 23.46 15.20	33.83
22 13 16 00-0221	EA		4" Bell And Spigot Cast Iron Deep Seal P-Trap ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	171.76 3.37 36.52 20.23	44.98
22 13 16 00-0222	EA		5" Bell And Spigot Cast Iron Deep Seal P-Trap ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	283.14 4.16 69.97 24.97	55.55
22 13 16 00-0223	EA		6" Bell And Spigot Cast Iron Deep Seal P-Trap ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	300.25 4.64 72.58 27.87	61.93
<b>22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0030)</b>					
22 13 16 00-0225	EA		3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	189.59 4.93 29.59	64.94
22 13 16 00-0226	EA		4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	253.02 6.46 38.77	85.37
22 13 16 00-0227	EA		5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	342.97 7.29 43.75	96.48
22 13 16 00-0228	EA		6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	696.00 8.27 49.61	109.32

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 13 16 00-0229	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	2,302.39		129.12
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.79		
		<i>For Work In Restricted Working Space, Add</i>	58.73		
22 13 16 00-0230	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent.....	2,492.61		144.07
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.89		
		<i>For Work In Restricted Working Space, Add</i>	65.34		
<b>22 13 16 00-0231</b>		<b>Bell And Spigot Cast Running Traps With Double Vent</b> (22 13 16 00-0030)			
22 13 16 00-0232	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent.....	242.07		89.68
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.79		
		<i>For Work In Restricted Working Space, Add</i>	40.74		
22 13 16 00-0233	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	331.28		113.20
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.59		
		<i>For Work In Restricted Working Space, Add</i>	51.56		
22 13 16 00-0234	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	774.74		135.09
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.25		
		<i>For Work In Restricted Working Space, Add</i>	61.48		
22 13 16 00-0235	EA	6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent.....	898.05		163.53
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.39		
		<i>For Work In Restricted Working Space, Add</i>	74.34		
22 13 16 00-0236	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	2,478.44		156.56
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.88		
		<i>For Work In Restricted Working Space, Add</i>	71.25		
22 13 16 00-0237	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent.....	2,718.59		185.90
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.06		
		<i>For Work In Restricted Working Space, Add</i>	84.37		
22 13 16 00-0238	EA	10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent.....	3,618.38		214.52
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.27		
		<i>For Work In Restricted Working Space, Add</i>	97.63		
22 13 16 00-0239	EA	12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent.....	5,012.10		248.01
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	18.79		
		<i>For Work In Restricted Working Space, Add</i>	112.72		
22 13 16 00-0240	EA	15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent.....	9,772.61		286.87
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	21.74		
		<i>For Work In Restricted Working Space, Add</i>	130.45		
<b>22 13 16 00-0241</b>		<b>Bell And Spigot Cast Iron Scission Joint Fittings</b> (22 13 16 00-0030)			
22 13 16 00-0242	EA	2" Bell And Spigot Cast Iron Scission Joint Fitting.....	148.88		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.01		
		<i>For Work In Restricted Working Space, Add</i>	12.06		
22 13 16 00-0243	EA	3" Bell And Spigot Cast Iron Scission Joint Fitting.....	205.97		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.26		
		<i>For Work In Restricted Working Space, Add</i>	13.55		
22 13 16 00-0244	EA	4" Bell And Spigot Cast Iron Scission Joint Fitting.....	237.35		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.03		
		<i>For Work In Restricted Working Space, Add</i>	18.15		
22 13 16 00-0245	EA	5" Bell And Spigot Cast Iron Scission Joint Fitting.....	293.38		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.51		
		<i>For Work In Restricted Working Space, Add</i>	21.09		
22 13 16 00-0246	EA	6" Bell And Spigot Cast Iron Scission Joint Fitting.....	356.30		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.25		
		<i>For Work In Restricted Working Space, Add</i>	25.47		
22 13 16 00-0247	EA	8" Bell And Spigot Cast Iron Scission Joint Fitting.....	678.04		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.37		
		<i>For Work In Restricted Working Space, Add</i>	32.19		
<b>22 13 16 00-0248</b>		<b>Cut And Prepare Existing In-Place Cast Iron Pipe</b> (22 13 16 00-0019)			
		Note: For use when connecting pipe to an existing in-place system.			
22 13 16 00-0249	EA	2", Cut And Prepare Existing In-Place Cast Iron Pipe.....	11.20		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.56		
		<i>For Work In Restricted Working Space, Add</i>	3.36		
22 13 16 00-0250	EA	3", Cut And Prepare Existing In-Place Cast Iron Pipe.....	12.21		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.61		
		<i>For Work In Restricted Working Space, Add</i>	3.66		
22 13 16 00-0251	EA	4", Cut And Prepare Existing In-Place Cast Iron Pipe.....	15.26		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.76		
		<i>For Work In Restricted Working Space, Add</i>	4.58		
22 13 16 00-0252	EA	6", Cut And Prepare Existing In-Place Cast Iron Pipe.....	18.31		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.92		
		<i>For Work In Restricted Working Space, Add</i>	5.49		
22 13 16 00-0253	EA	8", Cut And Prepare Existing In-Place Cast Iron Pipe.....	24.42		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.22		
		<i>For Work In Restricted Working Space, Add</i>	7.33		
22 13 16 00-0254	EA	10", Cut And Prepare Existing In-Place Cast Iron Pipe.....	28.49		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.42		
		<i>For Work In Restricted Working Space, Add</i>	8.55		
22 13 16 00-0255	EA	12", Cut And Prepare Existing In-Place Cast Iron Pipe.....	33.57		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.68		
		<i>For Work In Restricted Working Space, Add</i>	10.07		
22 13 16 00-0256	EA	15", Cut And Prepare Existing In-Place Cast Iron Pipe.....	38.66		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.93		
		<i>For Work In Restricted Working Space, Add</i>	11.60		
<b>22 13 16 00-0257</b>		<b>Joint Material</b> (22 13 16 00-0019)			
		Note: Labor costs are included in the installation costs for fittings.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0258	LB		Lead (1 LB/Diameter Inch) Joint Material.....	5.40	
22 13 16 00-0259	LB		Oakum (1/8 LB/Diameter Inch) Joint Material.....	10.26	
22 13 16 00-0260	EA		2" Dual Tite Rubber Gasket.....	3.17	
22 13 16 00-0261	EA		3" Dual Tite Rubber Gasket.....	4.34	
22 13 16 00-0262	EA		4" Dual Tite Rubber Gasket.....	5.40	
22 13 16 00-0263	EA		6" Dual Tite Rubber Gasket.....	8.95	
22 13 16 00-0264	EA		8" Dual Tite Rubber Gasket.....	19.74	
22 13 16 00-0265	EA		10" Dual Tite Rubber Gasket.....	30.28	
22 13 16 00-0266	EA		12" Dual Tite Rubber Gasket.....	38.57	
22 13 16 00-0267	EA		15" Dual Tite Rubber Gasket.....	45.81	

**22 13 16 00-0268 No Hub Cast Iron Soil Pipe And Fittings (22 13 16)**  
 Note: Service Weight. Excludes hangers.

**22 13 16 00-0269 No Hub Cast Iron Pipe (22 13 16 00-0268)**  
 Note: Excludes couplings.

22 13 16 00-0270	LF		1-1/2" No Hub Cast Iron Pipe.....	13.95	5.63
			<i>For Work In Restricted Working Space, Add</i>	2.53	
			<i>For Below Ground Installation, Add</i>	0.42	
22 13 16 00-0271	LF		2" No Hub Cast Iron Pipe.....	14.85	6.00
			<i>For Work In Restricted Working Space, Add</i>	2.72	
			<i>For Below Ground Installation, Add</i>	0.45	
22 13 16 00-0272	LF		3" No Hub Cast Iron Pipe.....	21.13	8.71
			<i>For Work In Restricted Working Space, Add</i>	3.93	
			<i>For Below Ground Installation, Add</i>	0.66	
22 13 16 00-0273	LF		4" No Hub Cast Iron Pipe.....	27.42	11.33
			<i>For Work In Restricted Working Space, Add</i>	5.11	
			<i>For Below Ground Installation, Add</i>	0.85	
22 13 16 00-0274	LF		5" No Hub Cast Iron Pipe.....	34.79	13.56
			<i>For Work In Restricted Working Space, Add</i>	6.10	
			<i>For Below Ground Installation, Add</i>	1.02	
22 13 16 00-0275	LF		6" No Hub Cast Iron Pipe.....	40.03	14.79
			<i>For Work In Restricted Working Space, Add</i>	6.65	
			<i>For Below Ground Installation, Add</i>	1.11	
22 13 16 00-0276	LF		8" No Hub Cast Iron Pipe.....	60.48	21.28
			<i>For Work In Restricted Working Space, Add</i>	9.55	
			<i>For Below Ground Installation, Add</i>	1.59	
22 13 16 00-0277	LF		10" No Hub Cast Iron Pipe.....	83.70	24.18
			<i>For Work In Restricted Working Space, Add</i>	10.87	
			<i>For Below Ground Installation, Add</i>	1.81	

**22 13 16 00-0278 No Hub Cast Iron Fittings (22 13 16 00-0268)**

**22 13 16 00-0279 No Hub Cast Iron Long Sweeps (22 13 16 00-0278)**

22 13 16 00-0280	EA		1-1/2" No Hub Cast Iron Long Sweep.....	54.20	26.61
			<i>For Work In Restricted Working Space, Add</i>	11.96	
			<i>For Below Ground Installation, Add</i>	1.99	
22 13 16 00-0281	EA		2" No Hub Cast Iron Long Sweep.....	54.56	26.61
			<i>For Work In Restricted Working Space, Add</i>	11.96	
			<i>For Below Ground Installation, Add</i>	1.99	
22 13 16 00-0282	EA		3" No Hub Cast Iron Long Sweep.....	64.12	30.45
			<i>For Work In Restricted Working Space, Add</i>	13.71	
			<i>For Below Ground Installation, Add</i>	2.29	
22 13 16 00-0283	EA		4" No Hub Cast Iron Long Sweep.....	87.88	40.30
			<i>For Work In Restricted Working Space, Add</i>	18.14	
			<i>For Below Ground Installation, Add</i>	3.02	
22 13 16 00-0284	EA		5" No Hub Cast Iron Long Sweep.....	117.55	44.73
			<i>For Work In Restricted Working Space, Add</i>	20.11	
			<i>For Below Ground Installation, Add</i>	3.35	
22 13 16 00-0285	EA		6" No Hub Cast Iron Long Sweep.....	139.56	53.33
			<i>For Work In Restricted Working Space, Add</i>	24.01	
			<i>For Below Ground Installation, Add</i>	4.00	
22 13 16 00-0286	EA		8" No Hub Cast Iron Long Sweep.....	266.26	69.00
			<i>For Work In Restricted Working Space, Add</i>	31.04	
			<i>For Below Ground Installation, Add</i>	5.17	

**22 13 16 00-0287 No Hub Cast Iron Reducing Long Sweeps (22 13 16 00-0278)**

22 13 16 00-0288	EA		3" x 2" No Hub Cast Iron Reducing Long Sweep.....	79.28	30.45
			<i>For Work In Restricted Working Space, Add</i>	13.71	
			<i>For Below Ground Installation, Add</i>	2.29	
22 13 16 00-0289	EA		4" x 3" No Hub Cast Iron Reducing Long Sweep.....	116.78	40.30
			<i>For Work In Restricted Working Space, Add</i>	18.14	
			<i>For Below Ground Installation, Add</i>	3.02	

**22 13 16 00-0290 No Hub Cast Iron Short Sweeps (22 13 16 00-0278)**

22 13 16 00-0291	EA		2" No Hub Cast Iron Short Sweep.....	51.51	26.61
			<i>For Work In Restricted Working Space, Add</i>	11.96	
			<i>For Below Ground Installation, Add</i>	1.99	
22 13 16 00-0292	EA		3" No Hub Cast Iron Short Sweep.....	61.70	30.45
			<i>For Work In Restricted Working Space, Add</i>	13.71	
			<i>For Below Ground Installation, Add</i>	2.29	
22 13 16 00-0293	EA		4" No Hub Cast Iron Short Sweep.....	86.62	40.30
			<i>For Work In Restricted Working Space, Add</i>	18.14	
			<i>For Below Ground Installation, Add</i>	3.02	

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0294	EA		5" No Hub Cast Iron Short Sweep..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	118.03 20.11 3.35	44.73
22 13 16 00-0295	EA		6" No Hub Cast Iron Short Sweep..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	132.16 24.01 4.00	53.33
22 13 16 00-0296	EA		8" No Hub Cast Iron Short Sweep..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	243.90 31.04 5.17	69.00
22 13 16 00-0297	EA		10" No Hub Cast Iron Short Sweep..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	391.87 43.46 7.24	96.62
<b>22 13 16 00-0298</b>			<b>No Hub Cast Iron 1/4 Bends</b> (22 13 16 00-0278)		
22 13 16 00-0299	EA		1-1/2" No Hub Cast Iron 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	47.28 11.48 1.91	25.49
22 13 16 00-0300	EA		2" No Hub Cast Iron 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	49.41 11.96 1.99	26.61
22 13 16 00-0301	EA		3" No Hub Cast Iron 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	58.30 13.71 2.29	30.45
22 13 16 00-0302	EA		4" No Hub Cast Iron 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	79.10 18.14 3.02	40.30
22 13 16 00-0303	EA		5" No Hub Cast Iron 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	108.69 20.11 3.35	44.73
22 13 16 00-0304	EA		6" No Hub Cast Iron 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	126.18 24.01 4.00	53.33
22 13 16 00-0305	EA		8" No Hub Cast Iron 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	226.48 31.04 5.17	69.00
<b>22 13 16 00-0306</b>			<b>No Hub Cast Iron 1/8 Bends</b> (22 13 16 00-0278)		
22 13 16 00-0307	EA		1-1/2" No Hub Cast Iron 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	45.34 11.48 1.91	25.49
22 13 16 00-0308	EA		2" No Hub Cast Iron 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	47.11 11.96 1.99	26.61
22 13 16 00-0309	EA		3" No Hub Cast Iron 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	56.04 13.71 2.29	30.45
22 13 16 00-0310	EA		4" No Hub Cast Iron 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	74.03 18.14 3.02	40.30
22 13 16 00-0311	EA		6" No Hub Cast Iron 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	120.24 26.77 4.46	59.51
22 13 16 00-0312	EA		8" No Hub Cast Iron 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	199.64 35.14 5.86	78.15
22 13 16 00-0313	EA		10" No Hub Cast Iron 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	299.79 43.25 7.21	96.15
<b>22 13 16 00-0314</b>			<b>No Hub Cast Iron Wyes</b> (22 13 16 00-0278)		
22 13 16 00-0315	EA		1-1/2" No Hub Cast Iron Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	72.66 18.02 3.00	40.10
22 13 16 00-0316	EA		2" No Hub Cast Iron Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	94.24 24.45 4.07	54.35
22 13 16 00-0317	EA		3" No Hub Cast Iron Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	106.66 26.77 4.46	59.51
22 13 16 00-0318	EA		4" No Hub Cast Iron Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	145.41 35.14 5.86	78.15
22 13 16 00-0319	EA		5" No Hub Cast Iron Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	191.71 39.17 6.53	87.09
22 13 16 00-0320	EA		6" No Hub Cast Iron Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	227.51 46.51 7.75	103.38
22 13 16 00-0321	EA		8" No Hub Cast Iron Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	377.29 62.09 10.35	138.09
22 13 16 00-0322	EA		10" No Hub Cast Iron Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	598.73 68.99 11.50	153.39

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 13 16 00-0323 No Hub Cast Iron Reducing Wyes</b> <small>(22 13 16 00-0278)</small>			
22 13 16 00-0324	EA 3" x 1-1/2" No Hub Cast Iron Reducing Wye.....	91.51	51.91
	<i>For Work In Restricted Working Space, Add</i>	23.33	
	<i>For Below Ground Installation, Add</i>	3.89	
22 13 16 00-0325	EA 3" x 2" No Hub Cast Iron Reducing Wye.....	102.98	59.51
	<i>For Work In Restricted Working Space, Add</i>	26.77	
	<i>For Below Ground Installation, Add</i>	4.46	
22 13 16 00-0326	EA 4" x 2" No Hub Cast Iron Reducing Wye.....	116.22	65.79
	<i>For Work In Restricted Working Space, Add</i>	29.59	
	<i>For Below Ground Installation, Add</i>	4.93	
22 13 16 00-0327	EA 4" x 3" No Hub Cast Iron Reducing Wye.....	133.15	73.09
	<i>For Work In Restricted Working Space, Add</i>	32.88	
	<i>For Below Ground Installation, Add</i>	5.48	
22 13 16 00-0328	EA 6" x 2" No Hub Cast Iron Reducing Wye.....	171.01	87.96
	<i>For Work In Restricted Working Space, Add</i>	39.58	
	<i>For Below Ground Installation, Add</i>	6.60	
22 13 16 00-0329	EA 6" x 3" No Hub Cast Iron Reducing Wye.....	181.87	91.95
	<i>For Work In Restricted Working Space, Add</i>	41.34	
	<i>For Below Ground Installation, Add</i>	6.89	
22 13 16 00-0330	EA 6" x 4" No Hub Cast Iron Reducing Wye.....	209.33	107.46
	<i>For Work In Restricted Working Space, Add</i>	48.32	
	<i>For Below Ground Installation, Add</i>	8.05	
22 13 16 00-0331	EA 8" x 4" No Hub Cast Iron Reducing Wye.....	260.29	108.57
	<i>For Work In Restricted Working Space, Add</i>	48.84	
	<i>For Below Ground Installation, Add</i>	8.14	
22 13 16 00-0332	EA 8" x 6" No Hub Cast Iron Reducing Wye.....	299.29	119.34
	<i>For Work In Restricted Working Space, Add</i>	53.66	
	<i>For Below Ground Installation, Add</i>	8.94	
22 13 16 00-0333	EA 10" x 4" No Hub Cast Iron Reducing Wye.....	445.65	127.14
	<i>For Work In Restricted Working Space, Add</i>	57.19	
	<i>For Below Ground Installation, Add</i>	9.53	
22 13 16 00-0334	EA 10" x 6" No Hub Cast Iron Reducing Wye.....	470.88	136.10
	<i>For Work In Restricted Working Space, Add</i>	61.22	
	<i>For Below Ground Installation, Add</i>	10.20	
22 13 16 00-0335	EA 10" x 8" No Hub Cast Iron Reducing Wye.....	538.29	145.34
	<i>For Work In Restricted Working Space, Add</i>	65.36	
	<i>For Below Ground Installation, Add</i>	10.89	
<b>22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0278)</small>			
22 13 16 00-0337	EA 1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend.....	82.68	46.67
	<i>For Work In Restricted Working Space, Add</i>	20.98	
	<i>For Below Ground Installation, Add</i>	3.50	
22 13 16 00-0338	EA 2" No Hub Cast Iron Combination Wye And 1/8 Bend.....	94.75	54.35
	<i>For Work In Restricted Working Space, Add</i>	24.45	
	<i>For Below Ground Installation, Add</i>	4.07	
22 13 16 00-0339	EA 3" No Hub Cast Iron Combination Wye And 1/8 Bend.....	110.54	59.51
	<i>For Work In Restricted Working Space, Add</i>	26.77	
	<i>For Below Ground Installation, Add</i>	4.46	
22 13 16 00-0340	EA 4" No Hub Cast Iron Combination Wye And 1/8 Bend.....	156.37	78.15
	<i>For Work In Restricted Working Space, Add</i>	35.14	
	<i>For Below Ground Installation, Add</i>	5.86	
22 13 16 00-0341	EA 6" No Hub Cast Iron Combination Wye And 1/8 Bend.....	278.98	120.23
	<i>For Work In Restricted Working Space, Add</i>	54.06	
	<i>For Below Ground Installation, Add</i>	9.01	
22 13 16 00-0342	EA 8" No Hub Cast Iron Combination Wye And 1/8 Bend.....	479.09	154.24
	<i>For Work In Restricted Working Space, Add</i>	69.38	
	<i>For Below Ground Installation, Add</i>	11.56	
22 13 16 00-0343	EA 10" No Hub Cast Iron Combination Wye And 1/8 Bend.....	564.12	186.48
	<i>For Work In Restricted Working Space, Add</i>	83.87	
	<i>For Below Ground Installation, Add</i>	13.98	
<b>22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0278)</small>			
22 13 16 00-0345	EA 2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	95.39	54.35
	<i>For Work In Restricted Working Space, Add</i>	24.45	
	<i>For Below Ground Installation, Add</i>	4.07	
22 13 16 00-0346	EA 3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	104.92	59.51
	<i>For Work In Restricted Working Space, Add</i>	26.77	
	<i>For Below Ground Installation, Add</i>	4.46	
22 13 16 00-0347	EA 4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	120.10	65.79
	<i>For Work In Restricted Working Space, Add</i>	29.59	
	<i>For Below Ground Installation, Add</i>	4.93	
22 13 16 00-0348	EA 4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	136.92	73.09
	<i>For Work In Restricted Working Space, Add</i>	32.88	
	<i>For Below Ground Installation, Add</i>	5.48	
22 13 16 00-0349	EA 6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	182.30	87.96
	<i>For Work In Restricted Working Space, Add</i>	39.58	
	<i>For Below Ground Installation, Add</i>	6.60	
22 13 16 00-0350	EA 6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	201.59	91.95
	<i>For Work In Restricted Working Space, Add</i>	41.34	
	<i>For Below Ground Installation, Add</i>	6.89	
22 13 16 00-0351	EA 6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	226.59	107.46
	<i>For Work In Restricted Working Space, Add</i>	48.32	
	<i>For Below Ground Installation, Add</i>	8.05	
22 13 16 00-0352	EA 8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	292.56	108.57
	<i>For Work In Restricted Working Space, Add</i>	48.84	
	<i>For Below Ground Installation, Add</i>	8.14	

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0353	EA		8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	373.04 53.66 8.94	119.34
<b>22 13 16 00-0354 No Hub Cast Iron Double Wyes (22 13 16 00-0278)</b>					
22 13 16 00-0355	EA		2" No Hub Cast Iron Double Wye <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	119.07 30.39 5.07	67.56
22 13 16 00-0356	EA		3" No Hub Cast Iron Double Wye <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	156.09 36.99 6.17	82.28
22 13 16 00-0357	EA		4" No Hub Cast Iron Double Wye <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	202.29 40.45 6.74	89.96
22 13 16 00-0358	EA		6" No Hub Cast Iron Double Wye <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	311.54 58.59 9.77	130.32
22 13 16 00-0359	EA		8" No Hub Cast Iron Double Wye <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	578.18 79.03 13.17	175.67
<b>22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes (22 13 16 00-0278)</b>					
22 13 16 00-0361	EA		3" x 2" No Hub Cast Iron Double Wye <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	140.33 33.67 5.61	74.87
22 13 16 00-0362	EA		4" x 2" No Hub Cast Iron Double Wye <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	167.03 38.78 6.46	86.21
22 13 16 00-0363	EA		4" x 3" No Hub Cast Iron Double Wye <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	183.51 42.27 7.05	93.99
22 13 16 00-0364	EA		6" x 4" No Hub Cast Iron Double Wye <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	266.51 51.68 8.61	114.90
<b>22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0278)</b>					
22 13 16 00-0366	EA		2" No Hub Cast Iron Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	152.86 36.51 6.09	81.16
22 13 16 00-0367	EA		3" No Hub Cast Iron Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	183.09 40.45 6.74	89.96
22 13 16 00-0368	EA		4" No Hub Cast Iron Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	270.66 53.55 8.93	119.10
22 13 16 00-0369	EA		6" No Hub Cast Iron Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	383.22 82.69 13.78	183.86
<b>22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0278)</b>					
22 13 16 00-0371	EA		3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	140.84 31.41 5.24	69.81
22 13 16 00-0372	EA		4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	163.35 36.51 6.09	81.16
22 13 16 00-0373	EA		4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	193.45 39.88 6.65	88.65
<b>22 13 16 00-0374 No Hub Cast Iron Sanitary Tees (22 13 16 00-0278)</b>					
22 13 16 00-0375	EA		1-1/2" No Hub Cast Iron Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	70.90 17.68 2.95	39.27
22 13 16 00-0376	EA		2" No Hub Cast Iron Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	94.87 24.45 4.07	54.35
22 13 16 00-0377	EA		3" No Hub Cast Iron Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	105.23 26.77 4.46	59.51
22 13 16 00-0378	EA		4" No Hub Cast Iron Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	142.16 35.14 5.86	78.15
22 13 16 00-0379	EA		5" No Hub Cast Iron Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	192.39 39.17 6.53	87.09
22 13 16 00-0380	EA		6" No Hub Cast Iron Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	227.04 46.51 7.75	103.38
22 13 16 00-0381	EA		8" No Hub Cast Iron Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	417.31 62.09 10.35	138.09

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 13 16 00-0382 No Hub Cast Iron Reducing Sanitary Tees</b> <small>(22 13 16 00-0278)</small>			
22 13 16 00-0383	EA 2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee .....	79.84	44.33
	<i>For Work In Restricted Working Space, Add</i>	19.94	
	<i>For Below Ground Installation, Add</i>	3.32	
22 13 16 00-0384	EA 3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee .....	92.62	51.91
	<i>For Work In Restricted Working Space, Add</i>	23.33	
	<i>For Below Ground Installation, Add</i>	3.89	
22 13 16 00-0385	EA 3" x 2" No Hub Cast Iron Reducing Sanitary Tee .....	96.34	54.35
	<i>For Work In Restricted Working Space, Add</i>	24.45	
	<i>For Below Ground Installation, Add</i>	4.07	
22 13 16 00-0386	EA 3" x 4" No Hub Cast Iron Reducing Sanitary Tee .....	111.66	54.35
	<i>For Work In Restricted Working Space, Add</i>	24.45	
	<i>For Below Ground Installation, Add</i>	4.07	
22 13 16 00-0387	EA 4" x 2" No Hub Cast Iron Reducing Sanitary Tee .....	129.29	73.56
	<i>For Work In Restricted Working Space, Add</i>	33.08	
	<i>For Below Ground Installation, Add</i>	5.51	
22 13 16 00-0388	EA 4" x 3" No Hub Cast Iron Reducing Sanitary Tee .....	133.01	73.56
	<i>For Work In Restricted Working Space, Add</i>	33.08	
	<i>For Below Ground Installation, Add</i>	5.51	
22 13 16 00-0389	EA 5" x 2" No Hub Cast Iron Reducing Sanitary Tee .....	168.25	82.74
	<i>For Work In Restricted Working Space, Add</i>	37.21	
	<i>For Below Ground Installation, Add</i>	6.20	
22 13 16 00-0390	EA 5" x 3" No Hub Cast Iron Reducing Sanitary Tee .....	173.44	82.74
	<i>For Work In Restricted Working Space, Add</i>	37.21	
	<i>For Below Ground Installation, Add</i>	6.20	
22 13 16 00-0391	EA 5" x 4" No Hub Cast Iron Reducing Sanitary Tee .....	174.07	82.74
	<i>For Work In Restricted Working Space, Add</i>	37.21	
	<i>For Below Ground Installation, Add</i>	6.20	
22 13 16 00-0392	EA 6" x 4" No Hub Cast Iron Reducing Sanitary Tee .....	180.70	86.20
	<i>For Work In Restricted Working Space, Add</i>	38.76	
	<i>For Below Ground Installation, Add</i>	6.46	
22 13 16 00-0393	EA 8" x 6" No Hub Cast Iron Reducing Sanitary Tee .....	331.28	116.45
	<i>For Work In Restricted Working Space, Add</i>	52.37	
	<i>For Below Ground Installation, Add</i>	8.73	
<b>22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees</b> <small>(22 13 16 00-0278)</small>			
22 13 16 00-0395	EA 2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee .....	53.29	26.61
	<i>For Work In Restricted Working Space, Add</i>	11.96	
	<i>For Below Ground Installation, Add</i>	1.99	
22 13 16 00-0396	EA 3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee .....	61.82	30.45
	<i>For Work In Restricted Working Space, Add</i>	13.71	
	<i>For Below Ground Installation, Add</i>	2.29	
22 13 16 00-0397	EA 4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee .....	76.92	40.30
	<i>For Work In Restricted Working Space, Add</i>	18.14	
	<i>For Below Ground Installation, Add</i>	3.02	
<b>22 13 16 00-0398 No Hub Cast Iron Cleanout Tees</b> <small>(22 13 16 00-0278)</small>			
22 13 16 00-0399	EA 2" No Hub Cast Iron Cleanout Tee .....	50.95	26.61
	<i>For Work In Restricted Working Space, Add</i>	11.96	
	<i>For Below Ground Installation, Add</i>	1.99	
22 13 16 00-0400	EA 3" No Hub Cast Iron Cleanout Tee .....	63.52	30.45
	<i>For Work In Restricted Working Space, Add</i>	13.71	
	<i>For Below Ground Installation, Add</i>	2.29	
22 13 16 00-0401	EA 4" No Hub Cast Iron Cleanout Tee .....	91.76	40.30
	<i>For Work In Restricted Working Space, Add</i>	18.14	
	<i>For Below Ground Installation, Add</i>	3.02	
22 13 16 00-0402	EA 6" No Hub Cast Iron Cleanout Tee .....	150.32	59.51
	<i>For Work In Restricted Working Space, Add</i>	26.77	
	<i>For Below Ground Installation, Add</i>	4.46	
<b>22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees</b> <small>(22 13 16 00-0278)</small>			
22 13 16 00-0404	EA 4" No Hub Cast Iron Single Two-Way Cleanout Tee .....	206.56	78.15
	<i>For Work In Restricted Working Space, Add</i>	35.14	
	<i>For Below Ground Installation, Add</i>	5.86	
22 13 16 00-0405	EA 4" No Hub Cast Iron Double Two-Way Cleanout Tee .....	261.07	118.73
	<i>For Work In Restricted Working Space, Add</i>	53.41	
	<i>For Below Ground Installation, Add</i>	8.90	
<b>22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs</b> <small>(22 13 16 00-0278)</small>			
22 13 16 00-0407	EA 2" No Hub Cast Iron Cleanout Plug .....	44.58	26.61
	<i>For Work In Restricted Working Space, Add</i>	11.96	
	<i>For Below Ground Installation, Add</i>	1.99	
22 13 16 00-0408	EA 3" No Hub Cast Iron Cleanout Plug .....	53.11	30.45
	<i>For Work In Restricted Working Space, Add</i>	13.71	
	<i>For Below Ground Installation, Add</i>	2.29	
22 13 16 00-0409	EA 4" No Hub Cast Iron Cleanout Plug .....	74.50	40.30
	<i>For Work In Restricted Working Space, Add</i>	18.14	
	<i>For Below Ground Installation, Add</i>	3.02	
22 13 16 00-0410	EA 6" No Hub Cast Iron Cleanout Plug .....	115.49	59.51
	<i>For Work In Restricted Working Space, Add</i>	26.77	
	<i>For Below Ground Installation, Add</i>	4.46	

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0411	EA 8" No Hub Cast Iron Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	153.20 35.14 5.86	78.15
<b>22 13 16 00-0412</b>	<b>No Hub Cast Iron Sanitary Crosses (22 13 16 00-0278)</b>		
22 13 16 00-0413	EA 1-1/2" No Hub Cast Iron Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	94.90 23.63 3.94	52.48
22 13 16 00-0414	EA 2" No Hub Cast Iron Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	101.68 24.45 4.07	54.35
22 13 16 00-0415	EA 3" No Hub Cast Iron Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	121.03 26.77 4.46	59.51
22 13 16 00-0416	EA 4" No Hub Cast Iron Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	176.88 35.14 5.86	78.15
<b>22 13 16 00-0417</b>	<b>No Hub Cast Iron Reducing Sanitary Crosses (22 13 16 00-0278)</b>		
22 13 16 00-0418	EA 3" x 2" No Hub Cast Iron Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	133.26 31.40 5.23	69.81
22 13 16 00-0419	EA 4" x 2" No Hub Cast Iron Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	148.14 32.33 5.39	71.88
22 13 16 00-0420	EA 4" x 3" No Hub Cast Iron Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	161.20 33.74 5.62	75.07
<b>22 13 16 00-0421</b>	<b>No Hub Cast Iron Reducers (22 13 16 00-0278)</b>		
22 13 16 00-0422	EA 3" x 2" No Hub Cast Iron Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	88.26 24.45 4.07	54.35
22 13 16 00-0423	EA 4" x 2" No Hub Cast Iron Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	120.58 33.08 5.51	73.56
22 13 16 00-0424	EA 4" x 3" No Hub Cast Iron Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	120.90 33.08 5.51	73.56
22 13 16 00-0425	EA 5" x 2" No Hub Cast Iron Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	139.19 37.21 6.20	82.74
22 13 16 00-0426	EA 5" x 3" No Hub Cast Iron Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	141.29 37.21 6.20	82.74
22 13 16 00-0427	EA 5" x 4" No Hub Cast Iron Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	142.12 37.21 6.20	82.74
22 13 16 00-0428	EA 6" x 3" No Hub Cast Iron Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	163.98 41.34 6.89	91.95
22 13 16 00-0429	EA 6" x 4" No Hub Cast Iron Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	164.29 41.34 6.89	91.95
22 13 16 00-0430	EA 6" x 5" No Hub Cast Iron Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	165.24 41.34 6.89	91.95
22 13 16 00-0431	EA 8" x 2" No Hub Cast Iron Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	228.06 57.95 9.66	128.85
22 13 16 00-0432	EA 8" x 3" No Hub Cast Iron Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	230.47 57.95 9.66	128.85
22 13 16 00-0433	EA 8" x 4" No Hub Cast Iron Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	234.35 57.95 9.66	128.85
22 13 16 00-0434	EA 8" x 5" No Hub Cast Iron Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	238.39 57.95 9.66	128.85
22 13 16 00-0435	EA 8" x 6" No Hub Cast Iron Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	238.86 57.95 9.66	128.85
22 13 16 00-0436	EA 10" x 4" No Hub Cast Iron Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	278.64 61.12 10.19	135.92
22 13 16 00-0437	EA 10" x 6" No Hub Cast Iron Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	296.73 63.84 10.64	141.89
22 13 16 00-0438	EA 10" x 8" No Hub Cast Iron Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	331.46 69.27 11.55	154.03
<b>22 13 16 00-0439</b>	<b>No Hub Cast Iron Blind Plugs (22 13 16 00-0278)</b>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0440	EA		1-1/2" No Hub Cast Iron Blind Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	42.13 11.48 1.91	25.49
	22 13 16 00-0441	EA		2" No Hub Cast Iron Blind Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	43.59 11.96 1.99	26.61
	22 13 16 00-0442	EA		3" No Hub Cast Iron Blind Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	52.32 13.71 2.29	30.45
	22 13 16 00-0443	EA		4" No Hub Cast Iron Blind Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	69.32 18.14 3.02	40.30
	22 13 16 00-0444	EA		5" No Hub Cast Iron Blind Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	84.69 20.47 3.41	46.07
	22 13 16 00-0445	EA		6" No Hub Cast Iron Blind Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	96.65 24.01 4.00	53.33
	22 13 16 00-0446	EA		8" No Hub Cast Iron Blind Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	155.93 31.04 5.17	69.00
	22 13 16 00-0447	EA		10" No Hub Cast Iron Blind Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	186.86 33.44 5.57	74.34
<b>22 13 16 00-0448</b>	<b>No Hub Cast Iron P-Traps (22 13 16 00-0278)</b>					
	22 13 16 00-0449	EA		2" No Hub Cast Iron P-Trap..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	53.61 11.96 1.99	26.61
	22 13 16 00-0450	EA		3" No Hub Cast Iron P-Trap..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	77.02 13.71 2.29	30.45
	22 13 16 00-0451	EA		4" No Hub Cast Iron P-Trap..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	114.84 18.14 3.02	40.30
	22 13 16 00-0452	EA		5" No Hub Cast Iron P-Trap..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	192.02 20.27 3.38	45.09
	22 13 16 00-0453	EA		6" No Hub Cast Iron P-Trap..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	205.19 24.18 4.03	53.77
<b>22 13 16 00-0454</b>	<b>No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0278)</b>					
	22 13 16 00-0455	EA		2" No Hub Cast Iron Deep Seal P-Trap..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	83.43 15.20 2.53	33.83
	22 13 16 00-0456	EA		3" No Hub Cast Iron Deep Seal P-Trap..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	119.72 20.23 3.37	44.98
	22 13 16 00-0457	EA		4" No Hub Cast Iron Deep Seal P-Trap..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	172.95 26.71 4.45	59.41
<b>22 13 16 00-0458</b>	<b>No Hub Cast Iron Closet Flanges (22 13 16 00-0278)</b>					
	22 13 16 00-0459	EA		4" No Hub Cast Iron Closet Flange..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	82.22 18.14 3.02	40.30
	22 13 16 00-0460	EA		4" x 2-1/2" No Hub Cast Iron Offset Closet Flange..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	86.74 18.14 3.02	40.30
<b>22 13 16 00-0461</b>	<b>No Hub Cast Iron Closet Bends (22 13 16 00-0278)</b>					
	22 13 16 00-0462	EA		4" x 16" No Hub Cast Iron Closet Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	145.68 18.14 3.02	40.30
<b>22 13 16 00-0463</b>	<b>No Hub Cast Iron Threaded Adapter (22 13 16 00-0278)</b>					
	22 13 16 00-0464	EA		1-1/4" No Hub Cast Iron Threaded Adapter..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	62.45 15.20 2.53	33.83
	22 13 16 00-0465	EA		1-1/2" No Hub Cast Iron Threaded Adapter..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	66.09 15.20 2.53	33.83
<b>22 13 16 00-0466</b>	<b>No Hub Couplings (22 13 16 00-0278)</b>					
	Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Femco NH).					
	22 13 16 00-0467	EA		1-1/2" No Hub Coupling..... <i>For Medium Duty (Femco MD-2000), Add</i> <i>For Heavy Duty (Femco HD-4000), Add</i>	13.58 1.77 3.67	
	22 13 16 00-0468	EA		2" No Hub Coupling..... <i>For Medium Duty (Femco MD-2000), Add</i> <i>For Heavy Duty (Femco HD-4000), Add</i>	13.58 1.77 3.67	

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0469	EA		3" No Hub Coupling.....	16.12	
			<i>For Medium Duty (Femco MD-2000), Add</i>	2.10	
			<i>For Heavy Duty (Femco HD-4000), Add</i>	4.35	
22 13 16 00-0470	EA		4" No Hub Coupling.....	19.14	
			<i>For Medium Duty (Femco MD-2000), Add</i>	2.49	
			<i>For Heavy Duty (Femco HD-4000), Add</i>	5.17	
22 13 16 00-0471	EA		5" No Hub Coupling.....	44.25	
			<i>For Medium Duty (Femco MD-2000), Add</i>	5.75	
			<i>For Heavy Duty (Femco HD-4000), Add</i>	11.95	
22 13 16 00-0472	EA		6" No Hub Coupling.....	48.63	
			<i>For Medium Duty (Femco MD-2000), Add</i>	6.32	
			<i>For Heavy Duty (Femco HD-4000), Add</i>	13.13	
22 13 16 00-0473	EA		8" No Hub Coupling.....	91.61	
			<i>For Medium Duty (Femco MD-2000), Add</i>	11.91	
			<i>For Heavy Duty (Femco HD-4000), Add</i>	24.73	
22 13 16 00-0474	EA		10" No Hub Coupling.....	126.20	
			<i>For Medium Duty (Femco MD-2000), Add</i>	16.41	
			<i>For Heavy Duty (Femco HD-4000), Add</i>	34.07	
22 13 16 00-0475	EA		2" x 1-1/2" No Hub Reducing Coupling.....	16.12	
22 13 16 00-0476	EA		3" x 2" No Hub Reducing Coupling.....	25.00	
22 13 16 00-0477	EA		4" x 2" No Hub Reducing Coupling.....	34.88	
22 13 16 00-0478	EA		4" x 3" No Hub Reducing Coupling.....	29.72	
<b>22 13 16 00-0479</b>			<b>Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts</b> <small>(22 13 16 00-0278)</small>		
			<i>Note: For underground connections. See CSI section 22 13 16 00-0861 for additional FERNCO couplings.</i>		
22 13 16 00-0480	EA		1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	26.08	
22 13 16 00-0481	EA		2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	26.92	
22 13 16 00-0482	EA		3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	28.27	
22 13 16 00-0483	EA		4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	32.98	
22 13 16 00-0484	EA		5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	62.25	
22 13 16 00-0485	EA		6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	85.47	
22 13 16 00-0486	EA		8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	149.74	
22 13 16 00-0487	EA		10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	228.82	
<b>22 13 16 00-0488</b>			<b>Cut And Prepare Existing Pipe In-Place</b> <small>(22 13 16 00-0268)</small>		
			<i>Note: For use when connecting pipe to an existing in-place system.</i>		
22 13 16 00-0489	EA		Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub.....	9.15	
			<i>For Work In Restricted Working Space, Add</i>	2.75	
22 13 16 00-0490	EA		Cut And Prepare 2" Cast Iron Pipe, No Hub.....	11.19	
			<i>For Work In Restricted Working Space, Add</i>	3.36	
22 13 16 00-0491	EA		Cut And Prepare 3" Cast Iron Pipe, No Hub.....	12.21	
			<i>For Work In Restricted Working Space, Add</i>	3.66	
22 13 16 00-0492	EA		Cut And Prepare 4" Cast Iron Pipe, No Hub.....	15.26	
			<i>For Work In Restricted Working Space, Add</i>	4.58	
22 13 16 00-0493	EA		Cut And Prepare 6" Cast Iron Pipe, No Hub.....	18.31	
			<i>For Work In Restricted Working Space, Add</i>	5.49	
22 13 16 00-0494	EA		Cut And Prepare 8" Cast Iron Pipe, No Hub.....	24.42	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
22 13 16 00-0495	EA		Cut And Prepare 10" Cast Iron Pipe, No Hub.....	28.49	
			<i>For Work In Restricted Working Space, Add</i>	8.55	
<b>22 13 16 00-0496</b>			<b>Copper Drain-Waste-Vent (DWV) Pipe</b> <small>(22 13 16)</small>		
			<i>See CSI section 22 11 16 00-0436 for copper and brass fittings.</i>		
22 13 16 00-0497	LF		1-1/4" Hard Drawn DWV Copper Tube/Pipe.....	14.32	4.40
22 13 16 00-0498	LF		1-1/2" Hard Drawn DWV Copper Tube/Pipe.....	17.06	4.92
22 13 16 00-0499	LF		2" Hard Drawn DWV Copper Tube/Pipe.....	21.94	6.07
22 13 16 00-0500	LF		3" Hard Drawn DWV Copper Tube/Pipe.....	47.59	8.41
22 13 16 00-0501	LF		4" Hard Drawn DWV Copper Tube/Pipe.....	66.06	9.48
22 13 16 00-0502	LF		5" Hard Drawn DWV Copper Tube/Pipe.....	128.42	10.89
22 13 16 00-0503	LF		6" Hard Drawn DWV Copper Tube/Pipe.....	183.40	16.88
<b>22 13 16 00-0504</b>			<b>Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings</b> <small>(22 13 16)</small>		
			<i>Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.</i>		
<b>22 13 16 00-0505</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies</b> <small>(22 13 16 00-0504)</small>		
			<i>Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.</i>		
22 13 16 00-0506	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	20.04	3.93
			<i>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>		
			<i>For Work In Restricted Working Space, Add</i>	4.51	
22 13 16 00-0507	LF		2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	22.29	4.69
			<i>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>		
			<i>For Work In Restricted Working Space, Add</i>	5.02	
22 13 16 00-0508	LF		3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	30.25	6.75
			<i>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>		
			<i>For Work In Restricted Working Space, Add</i>	6.23	
22 13 16 00-0509	LF		4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	35.51	7.31
			<i>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>		
			<i>For Work In Restricted Working Space, Add</i>	6.81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0510	LF		6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	50.51	9.37
			<i>For Work In Restricted Working Space, Add</i>	8.72	
22 13 16 00-0511	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	63.22	12.46
			<i>For Work In Restricted Working Space, Add</i>	9.99	
22 13 16 00-0512	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	86.45	16.68
			<i>For Work In Restricted Working Space, Add</i>	13.02	
<b>22 13 16 00-0513</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe</b> <small>(22 13 16 00-0504)</small> Note: Excludes fittings or hangers.		
<b>22 13 16 00-0514</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665)</b> <small>(22 13 16 00-0513)</small> Note: Excludes fittings or hangers.		
22 13 16 00-0515	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....	6.86	3.93
			<i>For Work In Restricted Working Space, Add</i>	1.76	
22 13 16 00-0516	LF		2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....	8.33	4.69
			<i>For Work In Restricted Working Space, Add</i>	2.11	
22 13 16 00-0517	LF		3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....	12.71	6.75
			<i>For Work In Restricted Working Space, Add</i>	3.02	
22 13 16 00-0518	LF		4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....	14.65	7.31
			<i>For Work In Restricted Working Space, Add</i>	3.28	
22 13 16 00-0519	LF		6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....	19.87	8.85
			<i>For Work In Restricted Working Space, Add</i>	3.98	
22 13 16 00-0520	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....	27.75	11.78
			<i>For Work In Restricted Working Space, Add</i>	5.32	
22 13 16 00-0521	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....	38.99	15.77
			<i>For Work In Restricted Working Space, Add</i>	7.09	
<b>22 13 16 00-0522</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891)</b> <small>(22 13 16 00-0513)</small> Note: Excludes fittings or hangers.		
22 13 16 00-0523	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....	6.56	3.93
			<i>For Work In Restricted Working Space, Add</i>	1.76	
22 13 16 00-0524	LF		2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	7.97	4.69
			<i>For Work In Restricted Working Space, Add</i>	2.11	
22 13 16 00-0525	LF		3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	12.03	6.75
			<i>For Work In Restricted Working Space, Add</i>	3.02	
22 13 16 00-0526	LF		4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	13.75	7.31
			<i>For Work In Restricted Working Space, Add</i>	3.28	
22 13 16 00-0527	LF		6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	18.20	8.85
			<i>For Work In Restricted Working Space, Add</i>	3.98	
22 13 16 00-0528	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	25.40	11.78
			<i>For Work In Restricted Working Space, Add</i>	5.32	
22 13 16 00-0529	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	36.43	15.77
			<i>For Work In Restricted Working Space, Add</i>	7.09	
<b>22 13 16 00-0530</b>			<b>Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665)</b> <small>(22 13 16 00-0504)</small>		
<b>22 13 16 00-0531</b>			<b>Polyvinyl Chloride (PVC) DWV 1/4 Bends</b> <small>(22 13 16 00-0530)</small>		
22 13 16 00-0532	EA		1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends .....	26.00	15.65
			<i>For Work In Restricted Working Space, Add</i>	7.03	
22 13 16 00-0533	EA		2" Polyvinyl Chloride (PVC) DWV 1/4 Bends .....	33.26	19.96
			<i>For Work In Restricted Working Space, Add</i>	9.00	
22 13 16 00-0534	EA		3" Polyvinyl Chloride (PVC) DWV 1/4 Bends .....	50.44	26.80
			<i>For Work In Restricted Working Space, Add</i>	12.09	
22 13 16 00-0535	EA		4" Polyvinyl Chloride (PVC) DWV 1/4 Bends .....	68.37	31.21
			<i>For Work In Restricted Working Space, Add</i>	14.06	
22 13 16 00-0536	EA		6" Polyvinyl Chloride (PVC) DWV 1/4 Bends .....	191.88	40.58
			<i>For Work In Restricted Working Space, Add</i>	18.27	
22 13 16 00-0537	EA		8" Polyvinyl Chloride (PVC) DWV 1/4 Bends .....	306.34	54.64
			<i>For Work In Restricted Working Space, Add</i>	24.60	
22 13 16 00-0538	EA		10" Polyvinyl Chloride (PVC) DWV 1/4 Bends.....	405.10	72.82
			<i>For Work In Restricted Working Space, Add</i>	32.80	
<b>22 13 16 00-0539</b>			<b>Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends</b> <small>(22 13 16 00-0530)</small>		
22 13 16 00-0540	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends .....	33.23	15.65
			<i>For Work In Restricted Working Space, Add</i>	7.03	
22 13 16 00-0541	EA		2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends .....	37.41	19.96
			<i>For Work In Restricted Working Space, Add</i>	9.00	
22 13 16 00-0542	EA		3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends .....	61.13	26.80
			<i>For Work In Restricted Working Space, Add</i>	12.09	
22 13 16 00-0543	EA		4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends .....	87.97	31.21
			<i>For Work In Restricted Working Space, Add</i>	14.06	
22 13 16 00-0544	EA		6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends .....	154.03	40.58
			<i>For Work In Restricted Working Space, Add</i>	18.27	
22 13 16 00-0545	EA		8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends .....	256.60	54.64
			<i>For Work In Restricted Working Space, Add</i>	24.60	
22 13 16 00-0546	EA		10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends .....	404.21	72.82
			<i>For Work In Restricted Working Space, Add</i>	32.80	

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0547	<b>Polyvinyl Chloride (PVC) DWV 1/8 Bends</b> (22 13 16 00-0530)		
22 13 16 00-0548	EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends .....26.60	15.65	
	<i>For Work In Restricted Working Space, Add</i>	7.03	
22 13 16 00-0549	EA 2" Polyvinyl Chloride (PVC) DWV 1/8 Bends .....33.21	19.96	
	<i>For Work In Restricted Working Space, Add</i>	9.00	
22 13 16 00-0550	EA 3" Polyvinyl Chloride (PVC) DWV 1/8 Bends .....49.55	26.80	
	<i>For Work In Restricted Working Space, Add</i>	12.09	
22 13 16 00-0551	EA 4" Polyvinyl Chloride (PVC) DWV 1/8 Bends .....64.02	31.21	
	<i>For Work In Restricted Working Space, Add</i>	14.06	
22 13 16 00-0552	EA 6" Polyvinyl Chloride (PVC) DWV 1/8 Bends .....180.80	40.58	
	<i>For Work In Restricted Working Space, Add</i>	18.27	
22 13 16 00-0553	EA 8" Polyvinyl Chloride (PVC) DWV 1/8 Bends .....280.58	54.64	
	<i>For Work In Restricted Working Space, Add</i>	24.60	
22 13 16 00-0554	EA 10" Polyvinyl Chloride (PVC) DWV 1/8 Bends .....329.32	72.82	
	<i>For Work In Restricted Working Space, Add</i>	32.80	
22 13 16 00-0555	<b>Polyvinyl Chloride (PVC) DWV Sanitary Tees</b> (22 13 16 00-0530)		
22 13 16 00-0556	EA 1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees .....39.74	23.43	
	<i>For Work In Restricted Working Space, Add</i>	10.54	
22 13 16 00-0557	EA 2" Polyvinyl Chloride (PVC) DWV Sanitary Tees .....51.56	29.99	
	<i>For Work In Restricted Working Space, Add</i>	13.49	
22 13 16 00-0558	EA 3" Polyvinyl Chloride (PVC) DWV Sanitary Tees .....77.96	40.30	
	<i>For Work In Restricted Working Space, Add</i>	18.13	
22 13 16 00-0559	EA 4" Polyvinyl Chloride (PVC) DWV Sanitary Tees .....103.69	46.85	
	<i>For Work In Restricted Working Space, Add</i>	21.09	
22 13 16 00-0560	EA 6" Polyvinyl Chloride (PVC) DWV Sanitary Tees .....285.64	60.82	
	<i>For Work In Restricted Working Space, Add</i>	27.41	
22 13 16 00-0561	EA 8" Polyvinyl Chloride (PVC) DWV Sanitary Tees .....374.13	81.90	
	<i>For Work In Restricted Working Space, Add</i>	36.90	
22 13 16 00-0562	<b>Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees</b> (22 13 16 00-0530)		
22 13 16 00-0563	EA 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees .....46.73	25.58	
	<i>For Work In Restricted Working Space, Add</i>	11.53	
22 13 16 00-0564	EA 2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees .....53.18	27.74	
	<i>For Work In Restricted Working Space, Add</i>	12.51	
22 13 16 00-0565	EA 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees .....48.28	27.74	
	<i>For Work In Restricted Working Space, Add</i>	12.51	
22 13 16 00-0566	EA 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees .....65.42	34.67	
	<i>For Work In Restricted Working Space, Add</i>	15.60	
22 13 16 00-0567	EA 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees .....68.06	36.83	
	<i>For Work In Restricted Working Space, Add</i>	16.59	
22 13 16 00-0568	EA 4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees .....76.58	38.98	
	<i>For Work In Restricted Working Space, Add</i>	17.57	
22 13 16 00-0569	EA 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees .....107.12	41.23	
	<i>For Work In Restricted Working Space, Add</i>	18.56	
22 13 16 00-0570	EA 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees .....128.55	44.60	
	<i>For Work In Restricted Working Space, Add</i>	20.10	
22 13 16 00-0571	EA 6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees .....272.21	56.13	
	<i>For Work In Restricted Working Space, Add</i>	25.30	
22 13 16 00-0572	EA 8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees .....759.40	70.18	
	<i>For Work In Restricted Working Space, Add</i>	31.63	
22 13 16 00-0573	EA 8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees .....787.51	74.87	
	<i>For Work In Restricted Working Space, Add</i>	33.74	
22 13 16 00-0574	<b>Polyvinyl Chloride (PVC) DWV Double Sanitary Tees</b> (22 13 16 00-0530)		
22 13 16 00-0575	EA 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees .....60.70	31.21	
	<i>For Work In Restricted Working Space, Add</i>	14.06	
22 13 16 00-0576	EA 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees .....80.26	39.92	
	<i>For Work In Restricted Working Space, Add</i>	17.99	
22 13 16 00-0577	EA 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees .....137.49	53.70	
	<i>For Work In Restricted Working Space, Add</i>	24.18	
22 13 16 00-0578	EA 4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees .....185.20	62.41	
	<i>For Work In Restricted Working Space, Add</i>	28.11	
22 13 16 00-0579	<b>Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees</b> (22 13 16 00-0530)		
22 13 16 00-0580	EA 2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee .....71.75	35.61	
	<i>For Work In Restricted Working Space, Add</i>	16.02	
22 13 16 00-0581	EA 3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee .....106.79	42.45	
	<i>For Work In Restricted Working Space, Add</i>	19.12	
22 13 16 00-0582	EA 3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee .....121.32	46.85	
	<i>For Work In Restricted Working Space, Add</i>	21.09	
22 13 16 00-0583	EA 4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee .....189.23	51.17	
	<i>For Work In Restricted Working Space, Add</i>	23.05	
22 13 16 00-0584	EA 4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee .....202.62	58.00	
	<i>For Work In Restricted Working Space, Add</i>	26.15	
22 13 16 00-0585	<b>Polyvinyl Chloride (PVC) DWV Reducers</b> (22 13 16 00-0530)		
22 13 16 00-0586	EA 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers .....31.85	17.81	
	<i>For Work In Restricted Working Space, Add</i>	8.01	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0587	EA			3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	48.30 9.56	21.18
22 13 16 00-0588	EA			3" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	48.90 10.54	23.43
22 13 16 00-0589	EA			4" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	65.63 11.53	25.58
22 13 16 00-0590	EA			4" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	72.02 13.07	29.05
22 13 16 00-0591	EA			6" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	194.34 15.18	33.73
22 13 16 00-0592	EA			6" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	169.32 16.16	35.89
22 13 16 00-0593	EA			8" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	381.18 19.33	42.92
22 13 16 00-0594	EA			8" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	332.07 21.44	47.61
22 13 16 00-0595	EA			10" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	439.84 25.54	56.69
22 13 16 00-0596	EA			10" x 8" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	361.77 28.70	63.72
<b>22 13 16 00-0597 Polyvinyl Chloride (PVC) DWV P-Traps (22 13 16 00-0530)</b>						
22 13 16 00-0598	EA			1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	44.15 10.54	23.43
22 13 16 00-0599	EA			2" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	57.25 13.49	29.99
22 13 16 00-0600	EA			3" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	121.55 18.13	40.30
22 13 16 00-0601	EA			4" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	215.81 21.09	46.85
22 13 16 00-0602	EA			6" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	348.66 27.41	60.82
<b>22 13 16 00-0603 Polyvinyl Chloride (PVC) DWV Closet Flanges (22 13 16 00-0530)</b>						
22 13 16 00-0604	EA			4" Polyvinyl Chloride (PVC) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	64.12 14.06	31.21
22 13 16 00-0605	EA			4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	55.64 13.07	29.05
<b>22 13 16 00-0606 Polyvinyl Chloride (PVC) DWV Wyes (22 13 16 00-0530)</b>						
22 13 16 00-0607	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	44.34 10.54	23.43
22 13 16 00-0608	EA			2" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	54.23 13.49	29.99
22 13 16 00-0609	EA			3" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	81.37 18.13	40.30
22 13 16 00-0610	EA			4" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	109.28 21.09	46.85
22 13 16 00-0611	EA			6" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	264.66 27.41	60.82
22 13 16 00-0612	EA			8" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	334.28 36.90	81.90
22 13 16 00-0613	EA			10" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	441.24 49.20	109.17
<b>22 13 16 00-0614 Polyvinyl Chloride (PVC) DWV Reducing Wyes (22 13 16 00-0530)</b>						
22 13 16 00-0615	EA			2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	54.85 11.53	25.58
22 13 16 00-0616	EA			2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	57.98 12.51	27.74
22 13 16 00-0617	EA			3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	77.58 15.60	34.67
22 13 16 00-0618	EA			3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	71.47 16.59	36.83
22 13 16 00-0619	EA			4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	99.17 17.57	38.98
22 13 16 00-0620	EA			4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	93.17 18.56	41.23
22 13 16 00-0621	EA			4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	103.57 20.10	44.60
22 13 16 00-0622	EA			6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	238.26 24.32	53.98
22 13 16 00-0623	EA			6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	285.39 25.30	56.13
22 13 16 00-0624	EA			8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	286.52 31.63	70.18
22 13 16 00-0625	EA			8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	349.40 33.74	74.87
22 13 16 00-0626	EA			10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	336.78 39.83	88.37
22 13 16 00-0627	EA			10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	404.48 41.93	93.06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0628	EA		10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	463.48 45.10	100.08
<b>22 13 16 00-0629</b>			<b>Polyvinyl Chloride (PVC) DWV Double Wyes</b> (22 13 16 00-0530)		
22 13 16 00-0630	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	66.44 14.06	31.21
22 13 16 00-0631	EA		2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	85.16 17.99	39.92
22 13 16 00-0632	EA		3" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	145.66 24.18	53.70
22 13 16 00-0633	EA		4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	225.62 28.11	62.41
22 13 16 00-0634	EA		6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	420.57 36.55	81.16
22 13 16 00-0635	EA		8" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	501.16 49.20	109.27
22 13 16 00-0636	EA		10" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	755.91 65.59	145.62
<b>22 13 16 00-0637</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Double Wyes</b> (22 13 16 00-0530)		
22 13 16 00-0638	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	76.42 16.02	35.61
22 13 16 00-0639	EA		3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	120.81 19.12	42.45
22 13 16 00-0640	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	118.73 21.09	46.85
22 13 16 00-0641	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	155.92 23.05	51.17
22 13 16 00-0642	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	191.60 26.15	58.00
22 13 16 00-0643	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	279.32 32.33	71.78
22 13 16 00-0644	EA		8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	328.61 38.66	85.83
22 13 16 00-0645	EA		8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	405.54 42.87	95.21
22 13 16 00-0646	EA		10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	431.60 46.85	104.02
22 13 16 00-0647	EA		10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	540.76 51.07	113.38
22 13 16 00-0648	EA		10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	645.18 57.39	127.44
<b>22 13 16 00-0649</b>			<b>Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends</b> (22 13 16 00-0530)		
22 13 16 00-0650	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	50.08 10.54	23.43
22 13 16 00-0651	EA		2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	63.19 13.49	29.99
22 13 16 00-0652	EA		3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	108.29 18.13	40.30
22 13 16 00-0653	EA		4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	169.64 21.09	46.85
<b>22 13 16 00-0654</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends</b> (22 13 16 00-0530)		
22 13 16 00-0655	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	79.40 12.51	27.74
22 13 16 00-0656	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	117.51 15.60	34.67
22 13 16 00-0657	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	96.23 16.59	36.83
22 13 16 00-0658	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	152.93 18.56	41.23
22 13 16 00-0659	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	165.65 20.10	44.60
<b>22 13 16 00-0660</b>			<b>Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends</b> (22 13 16 00-0530)		
22 13 16 00-0661	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	70.90 14.06	31.21
22 13 16 00-0662	EA		2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	85.65 17.99	39.92
22 13 16 00-0663	EA		3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	125.22 24.18	53.70
22 13 16 00-0664	EA		4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	328.84 28.11	62.41
22 13 16 00-0665	EA		6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	975.46 36.55	81.16
<b>22 13 16 00-0666</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends</b> (22 13 16 00-0530)		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0667	EA		2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	132.09 16.02	35.61
	22 13 16 00-0668	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	203.60 21.09	46.85
	22 13 16 00-0669	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	325.28 23.05	51.17
	22 13 16 00-0670	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	304.58 26.15	58.00
	22 13 16 00-0671	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	665.45 32.33	71.78
	<b>22 13 16 00-0672</b>			<b>Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug</b> <small>(22 13 16 00-0530)</small>		
	22 13 16 00-0673	EA		2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	88.78 13.49	29.99
	22 13 16 00-0674	EA		3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	144.11 18.13	40.30
	22 13 16 00-0675	EA		4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	215.83 21.09	46.85
	22 13 16 00-0676	EA		6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	514.28 27.41	60.82
	22 13 16 00-0677	EA		8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	649.54 36.90	81.90
	22 13 16 00-0678	EA		10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	862.42 49.20	109.17
	<b>22 13 16 00-0679</b>			<b>Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug</b> <small>(22 13 16 00-0530)</small>		
	22 13 16 00-0680	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	31.00 7.03	15.65
	22 13 16 00-0681	EA		2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	42.21 9.00	19.96
	22 13 16 00-0682	EA		3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	59.10 12.09	26.80
	22 13 16 00-0683	EA		4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	91.03 14.06	31.21
	22 13 16 00-0684	EA		6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	182.19 18.27	40.58
	22 13 16 00-0685	EA		8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	377.71 24.60	54.64
	22 13 16 00-0686	EA		10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	671.83 32.78	72.82
	<b>22 13 16 00-0687</b>			<b>Polyvinyl Chloride (PVC) Couplings</b> <small>(22 13 16 00-0530)</small>		
	22 13 16 00-0688	EA		1-1/2" Polyvinyl Chloride (PVC) Couplings ..... <i>For Work In Restricted Working Space, Add</i>	25.67 7.03	15.65
	22 13 16 00-0689	EA		2" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	32.51 9.00	19.96
	22 13 16 00-0690	EA		3" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	46.75 12.09	26.80
	22 13 16 00-0691	EA		4" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	57.45 14.06	31.21
	22 13 16 00-0692	EA		6" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	119.40 18.27	40.58
	22 13 16 00-0693	EA		8" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	250.97 24.60	54.64
	22 13 16 00-0694	EA		10" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	371.18 32.80	72.82
	<b>22 13 16 00-0695</b>			<b>Polyvinyl Chloride (PVC) Male Adapters</b> <small>(22 13 16 00-0530)</small>		
	22 13 16 00-0696	EA		1-1/2" Polyvinyl Chloride (PVC) Male Adapters ..... <i>For Work In Restricted Working Space, Add</i>	13.99 3.52	7.77
	22 13 16 00-0697	EA		2" Polyvinyl Chloride (PVC) Male Adapters ..... <i>For Work In Restricted Working Space, Add</i>	20.58 4.50	10.02
	22 13 16 00-0698	EA		3" Polyvinyl Chloride (PVC) Male Adapters ..... <i>For Work In Restricted Working Space, Add</i>	35.64 6.05	13.40
	22 13 16 00-0699	EA		4" Polyvinyl Chloride (PVC) Male Adapters ..... <i>For Work In Restricted Working Space, Add</i>	58.93 7.03	15.65
	<b>22 13 16 00-0700</b>			<b>Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe</b> <small>(22 13 16 00-0504)</small>		
				Note: In place piping.		
	22 13 16 00-0701	EA		1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	6.86 7.56	
	22 13 16 00-0702	EA		2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	7.56 9.61	
	22 13 16 00-0703	EA		3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	9.61 12.97	
	22 13 16 00-0704	EA		4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	12.97 18.54	
	22 13 16 00-0705	EA		6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	18.54 24.72	
	22 13 16 00-0706	EA		8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	24.72 30.23	
	22 13 16 00-0707	EA		10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	30.23	
	<b>22 13 16 00-0708</b>			<b>Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings</b> <small>(22 13 16)</small>		
				Note: Aboveground installation.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0709			<b>Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies</b> <small>(22 13 16 00-0708)</small> Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0710	LF		1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	20.09	3.93
			<i>For Work In Restricted Working Space, Add</i>	5.39	
22 13 16 00-0711	LF		2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	22.28	4.69
			<i>For Work In Restricted Working Space, Add</i>	5.97	
22 13 16 00-0712	LF		3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	29.04	6.75
			<i>For Work In Restricted Working Space, Add</i>	7.42	
22 13 16 00-0713	LF		4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	32.87	7.31
			<i>For Work In Restricted Working Space, Add</i>	8.24	
22 13 16 00-0714	LF		6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	49.59	9.37
			<i>For Work In Restricted Working Space, Add</i>	10.96	
22 13 16 00-0715			<b>Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe</b> <b>(ASTM F-628)</b> <small>(22 13 16 00-0708)</small> Note: Excludes fittings or hangers.		
22 13 16 00-0716	LF		1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	7.02 1.76	3.93
22 13 16 00-0717	LF		2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	8.58 2.11	4.69
22 13 16 00-0718	LF		3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	13.30 3.02	6.75
22 13 16 00-0719	LF		4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	15.55 3.28	7.31
22 13 16 00-0720	LF		6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	22.69 3.98	8.85
22 13 16 00-0721			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661)</b> <small>(22 13 16 00-0708)</small>		
22 13 16 00-0722			<b>Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0723	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	28.38 7.03	15.65
22 13 16 00-0724	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	37.05 9.00	19.96
22 13 16 00-0725	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	62.08 12.09	26.80
22 13 16 00-0726	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	89.53 14.06	31.21
22 13 16 00-0727	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	220.21 18.27	40.58
22 13 16 00-0728			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0729	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	35.22 7.03	15.65
22 13 16 00-0730	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	43.74 9.00	19.96
22 13 16 00-0731	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	78.69 12.09	26.80
22 13 16 00-0732	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	122.57 14.06	31.21
22 13 16 00-0733			<b>Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0734	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	29.31 7.03	15.65
22 13 16 00-0735	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	36.40 9.00	19.96
22 13 16 00-0736	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	58.68 12.09	26.80
22 13 16 00-0737	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	83.24 14.06	31.21
22 13 16 00-0738	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	226.84 18.27	40.58
22 13 16 00-0739			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0740	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	43.57 10.54	23.43
22 13 16 00-0741	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	57.65 13.49	29.99



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0742	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	92.72 18.13	40.30
	22 13 16 00-0743	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	132.31 21.09	46.85
	22 13 16 00-0744	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	427.53 27.41	60.82
<b>22 13 16 00-0745</b>				<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees</b> <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0746	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	51.86 11.53	25.58
	22 13 16 00-0747	EA		2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	60.57 12.51	27.74
	22 13 16 00-0748	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	53.84 12.51	27.74
	22 13 16 00-0749	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	76.66 15.60	34.67
	22 13 16 00-0750	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	80.17 16.59	36.83
	22 13 16 00-0751	EA		4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	147.96 17.57	38.98
	22 13 16 00-0752	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	145.29 18.56	41.23
	22 13 16 00-0753	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	164.84 20.10	44.60
	22 13 16 00-0754	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	460.19 25.30	56.13
<b>22 13 16 00-0755</b>				<b>Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees</b> <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0756	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	72.45 14.06	31.21
	22 13 16 00-0757	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	97.32 17.99	39.92
	22 13 16 00-0758	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	185.51 24.18	53.70
	22 13 16 00-0759	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	261.87 28.11	62.41
<b>22 13 16 00-0760</b>				<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees</b> <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0761	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	82.45 16.02	35.61
	22 13 16 00-0762	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	117.20 19.12	42.45
	22 13 16 00-0763	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	133.56 21.09	46.85
	22 13 16 00-0764	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	211.99 21.79	48.37
	22 13 16 00-0765	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	225.59 24.72	54.84
<b>22 13 16 00-0766</b>				<b>Acrylonitrile Butadiene Styrene (ABS) DWV Wyes</b> <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0767	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes ..... <i>For Work In Restricted Working Space, Add</i>	52.11 10.54	23.43
	22 13 16 00-0768	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes ..... <i>For Work In Restricted Working Space, Add</i>	62.40 13.49	29.99
	22 13 16 00-0769	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes ..... <i>For Work In Restricted Working Space, Add</i>	99.00 18.13	40.30
	22 13 16 00-0770	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes ..... <i>For Work In Restricted Working Space, Add</i>	142.12 21.09	46.85
	22 13 16 00-0771	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes ..... <i>For Work In Restricted Working Space, Add</i>	354.95 27.41	60.82
<b>22 13 16 00-0772</b>				<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes</b> <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0773	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	68.69 11.53	25.58
	22 13 16 00-0774	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	71.66 12.51	27.74
	22 13 16 00-0775	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	85.25 16.59	36.83
	22 13 16 00-0776	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	119.56 18.56	41.23
	22 13 16 00-0777	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	134.43 20.10	44.60
	22 13 16 00-0778	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	302.11 25.30	56.13
<b>22 13 16 00-0779</b>				<b>Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes</b> <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0780	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	82.94 14.06	31.21

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0781	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	106.39 17.99	39.92
22 13 16 00-0782	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	200.59 24.18	53.70
22 13 16 00-0783	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	336.79 28.11	62.41
<b>22 13 16 00-0784</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0785	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	95.80 16.02	35.61
22 13 16 00-0786	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	148.36 19.12	42.45
22 13 16 00-0787	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	159.38 21.09	46.85
22 13 16 00-0788	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	222.58 23.05	51.17
22 13 16 00-0789	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	279.66 26.15	58.00
<b>22 13 16 00-0790</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0791	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	62.24 10.54	23.43
22 13 16 00-0792	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	80.20 13.49	29.99
22 13 16 00-0793	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	118.47 18.13	40.30
22 13 16 00-0794	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	180.37 19.93	44.29
<b>22 13 16 00-0795</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0796	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	70.22 12.51	27.74
22 13 16 00-0797	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	119.55 15.60	34.67
22 13 16 00-0798	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	97.50 16.59	36.83
22 13 16 00-0799	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	155.87 18.56	41.23
22 13 16 00-0800	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	168.81 20.10	44.60
<b>22 13 16 00-0801</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0802	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	123.73 17.99	39.92
22 13 16 00-0803	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	227.66 24.18	53.70
<b>22 13 16 00-0804</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0805	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	104.72 16.02	35.61
22 13 16 00-0806	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	214.85 21.09	46.85
<b>22 13 16 00-0807</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0808	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	67.02 10.54	23.43
22 13 16 00-0809	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	84.98 13.49	29.99
22 13 16 00-0810	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	129.14 18.13	40.30
22 13 16 00-0811	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	198.71 21.09	46.85
<b>22 13 16 00-0812</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0813	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	34.36 7.03	15.65
22 13 16 00-0814	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	47.63 9.00	19.96
22 13 16 00-0815	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	67.40 12.09	26.80
22 13 16 00-0816	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	110.66 14.06	31.21

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0817	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	236.08 18.27	40.58
<b>22 13 16 00-0818</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Couplings</b> <small>(22 13 16 00-0721)</small>					
	22 13 16 00-0819	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	27.20 7.03	15.65
	22 13 16 00-0820	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	33.96 9.00	19.96
	22 13 16 00-0821	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	51.10 12.09	26.80
	22 13 16 00-0822	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	64.66 14.06	31.21
	22 13 16 00-0823	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	148.95 18.27	40.58
<b>22 13 16 00-0824</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducers</b> <small>(22 13 16 00-0721)</small>					
	22 13 16 00-0825	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	36.25 8.01	17.81
	22 13 16 00-0826	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	62.14 9.56	21.18
	22 13 16 00-0827	EA		3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	60.52 10.54	23.43
	22 13 16 00-0828	EA		4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	88.49 11.53	25.58
	22 13 16 00-0829	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	95.95 13.07	29.05
<b>22 13 16 00-0830</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps</b> <small>(22 13 16 00-0721)</small>					
	22 13 16 00-0831	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	53.65 10.54	23.43
	22 13 16 00-0832	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	74.94 13.49	29.99
	22 13 16 00-0833	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	197.68 18.13	40.30
	22 13 16 00-0834	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	351.46 21.09	46.85
<b>22 13 16 00-0835</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges</b> <small>(22 13 16 00-0721)</small>					
	22 13 16 00-0836	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	72.70 14.06	31.21
	22 13 16 00-0837	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	67.81 13.07	29.05
<b>22 13 16 00-0838</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters</b> <small>(22 13 16 00-0721)</small>					
	22 13 16 00-0839	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	16.53 3.52	7.77
	22 13 16 00-0840	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	23.51 4.50	10.02
	22 13 16 00-0841	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	44.97 6.05	13.40
	22 13 16 00-0842	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	78.34 7.03	15.65
<b>22 13 16 00-0843</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings</b> <small>(22 13 16 00-0721)</small>					
	22 13 16 00-0844	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	30.67 8.01	17.81
	22 13 16 00-0845	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	53.29 9.56	21.18
	22 13 16 00-0846	EA		3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	48.75 10.54	23.43
	22 13 16 00-0847	EA		4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	87.80 11.53	25.58
	22 13 16 00-0848	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	72.19 13.07	29.05
	22 13 16 00-0849	EA		6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	163.14 15.28	33.93
<b>22 13 16 00-0850</b>	<b>Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings</b> <small>(22 13 16 00-0721)</small>					
	22 13 16 00-0851	EA		1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	60.54 7.03	15.65
	22 13 16 00-0852	EA		2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	69.57 9.00	19.96
	22 13 16 00-0853	EA		3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	82.36 12.09	26.80
	22 13 16 00-0854	EA		4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	91.38 14.06	31.21

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 13 16 00-0855		<b>Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe</b> (22 13 16 00-0708) Note: In place piping.			
22 13 16 00-0856	EA	1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	6.86		
22 13 16 00-0857	EA	2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	7.56		
22 13 16 00-0858	EA	3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	9.61		
22 13 16 00-0859	EA	4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	12.97		
22 13 16 00-0860	EA	6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	18.54		
22 13 16 00-0861		<b>Elastomeric Flexible Pipe Couplings</b> (22 13 16)			
22 13 16 00-0862		<b>Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings</b> (22 13 16 00-0861) Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.			
22 13 16 00-0863	EA	1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125).....	14.32	4.07	
		<i>For Work In Restricted Working Space, Add</i>	2.44		
22 13 16 00-0864	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150).....	15.49	4.32	
		<i>For Work In Restricted Working Space, Add</i>	2.60		
22 13 16 00-0865	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22).....	16.26	4.58	
		<i>For Work In Restricted Working Space, Add</i>	2.75		
22 13 16 00-0866	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33).....	19.26	4.84	
		<i>For Work In Restricted Working Space, Add</i>	2.90		
22 13 16 00-0867	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44).....	22.19	5.09	
		<i>For Work In Restricted Working Space, Add</i>	3.05		
22 13 16 00-0868	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55).....	29.50	5.34	
		<i>For Work In Restricted Working Space, Add</i>	3.20		
22 13 16 00-0869	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66).....	36.88	5.59	
		<i>For Work In Restricted Working Space, Add</i>	3.36		
22 13 16 00-0870	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88).....	51.71	6.11	
		<i>For Work In Restricted Working Space, Add</i>	3.66		
22 13 16 00-0871	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010).....	69.15	7.13	
		<i>For Work In Restricted Working Space, Add</i>	4.27		
22 13 16 00-0872		<b>Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings</b> (22 13 16 00-0861) Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.			
22 13 16 00-0873	EA	1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125).....	15.25	4.32	
		<i>For Work In Restricted Working Space, Add</i>	2.60		
22 13 16 00-0874	EA	2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215).....	16.66	4.58	
		<i>For Work In Restricted Working Space, Add</i>	2.75		
22 13 16 00-0875	EA	3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315).....	21.24	4.84	
		<i>For Work In Restricted Working Space, Add</i>	2.90		
22 13 16 00-0876	EA	3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32).....	18.54	4.84	
		<i>For Work In Restricted Working Space, Add</i>	2.90		
22 13 16 00-0877	EA	4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415).....	27.06	5.09	
		<i>For Work In Restricted Working Space, Add</i>	3.05		
22 13 16 00-0878	EA	4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42).....	25.68	5.09	
		<i>For Work In Restricted Working Space, Add</i>	3.05		
22 13 16 00-0879	EA	4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43).....	23.11	5.09	
		<i>For Work In Restricted Working Space, Add</i>	3.05		
22 13 16 00-0880	EA	5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53).....	35.53	5.34	
		<i>For Work In Restricted Working Space, Add</i>	3.20		
22 13 16 00-0881	EA	5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54).....	31.60	5.34	
		<i>For Work In Restricted Working Space, Add</i>	3.20		
22 13 16 00-0882	EA	6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63).....	44.99	5.59	
		<i>For Work In Restricted Working Space, Add</i>	3.36		
22 13 16 00-0883	EA	6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64).....	39.12	5.59	
		<i>For Work In Restricted Working Space, Add</i>	3.36		
22 13 16 00-0884	EA	6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65).....	40.75	5.59	
		<i>For Work In Restricted Working Space, Add</i>	3.36		
22 13 16 00-0885	EA	8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84).....	80.80	10.18	
		<i>For Work In Restricted Working Space, Add</i>	6.11		
22 13 16 00-0886	EA	8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86).....	64.51	10.18	
		<i>For Work In Restricted Working Space, Add</i>	6.11		
22 13 16 00-0887	EA	10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8).....	83.04	11.45	
		<i>For Work In Restricted Working Space, Add</i>	6.87		
22 13 16 00-0888		<b>Elastomeric Flexible Pipe Caps (Fernco QC)</b> (22 13 16) Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.			
22 13 16 00-0889	EA	1-1/2" Elastomeric Flexible Pipe Cap (Fernco QC-101).....	47.25	27.47	
22 13 16 00-0890	EA	2" Elastomeric Flexible Pipe Cap (Fernco QC-102).....	50.92	29.20	
22 13 16 00-0891	EA	3" Elastomeric Flexible Pipe Cap (Fernco QC-103).....	59.25	33.48	
22 13 16 00-0892	EA	4" Elastomeric Flexible Pipe Cap (Fernco QC-104).....	78.05	44.26	
22 13 16 00-0893	EA	5" Elastomeric Flexible Pipe Cap (Fernco QC-105).....	93.73	52.91	
22 13 16 00-0894	EA	6" Elastomeric Flexible Pipe Cap (Fernco QC-106).....	107.35	61.05	
22 13 16 00-0895	EA	8" Elastomeric Flexible Pipe Cap (Fernco QC-108).....	147.88	77.33	
22 13 16 00-0896	EA	10" Elastomeric Flexible Pipe Cap (Fernco QC-110).....	188.79	86.48	
22 13 16 00-0897	EA	12" Elastomeric Flexible Pipe Cap (Fernco QC-112).....	250.41	96.15	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**22 13 16 00-0898 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series)** (22 13 16)

22 13 16 00-0899	EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	87.04	21.09
22 13 16 00-0900	EA 2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	91.72	23.43
22 13 16 00-0901	EA 3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	137.83	30.45
22 13 16 00-0902	EA 4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	161.64	35.14
22 13 16 00-0903	EA 5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	188.62	39.82
22 13 16 00-0904	EA 6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	319.78	44.51

**22 13 16 00-0905 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series)** (22 13 16)

22 13 16 00-0906	EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	172.61	21.09
22 13 16 00-0907	EA 2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	177.29	23.43
22 13 16 00-0908	EA 3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	210.85	30.45
22 13 16 00-0909	EA 4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	263.70	35.14
22 13 16 00-0910	EA 5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	360.03	39.82
22 13 16 00-0911	EA 6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	369.40	44.51

**22 13 16 00-0912 Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series)** (22 13 16)

Note: Includes counterflashing collar, deep protective hood and recessed securing screws.

22 13 16 00-0913	EA 1-1/2" Cast Iron Vandal Proof Hooded Vent Cap .....	328.56	21.09
22 13 16 00-0914	EA 2" Cast Iron Vandal Proof Hooded Vent Cap .....	333.24	23.43
22 13 16 00-0915	EA 3" Cast Iron Vandal Proof Hooded Vent Cap .....	383.10	30.45
22 13 16 00-0916	EA 4" Cast Iron Vandal Proof Hooded Vent Cap .....	431.27	35.14
22 13 16 00-0917	EA 5" Cast Iron Vandal Proof Hooded Vent Cap .....	503.28	39.82
22 13 16 00-0918	EA 6" Cast Iron Vandal Proof Hooded Vent Cap .....	549.95	44.51

**22 13 19 Sanitary Waste Piping Specialties** (22 13)

**22 13 19 13 Sanitary Drains** (22 13 19)

**22 13 19 13-0001 Round Top Floor Drains** (22 13 19 13)

22 13 19 13-0002	EA Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet .....	625.90	100.74
	<i>For Sediment Bucket, Add</i>	22.50	
	<i>For Vandal Proof Screws, Add</i>	11.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
22 13 19 13-0003	EA Bronze Top, 6" Round Top Floor Drain With 2" Outlet .....	688.22	112.92
	<i>For Sediment Bucket, Add</i>	22.50	
	<i>For Vandal Proof Screws, Add</i>	11.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
22 13 19 13-0004	EA Bronze Top, 6" Round Top Floor Drain With 3" Outlet .....	674.35	124.91
	<i>For Sediment Bucket, Add</i>	22.50	
	<i>For Vandal Proof Screws, Add</i>	11.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
22 13 19 13-0005	EA Bronze Top, 6" Round Top Floor Drain With 4" Outlet .....	700.08	137.85
	<i>For Sediment Bucket, Add</i>	22.50	
	<i>For Vandal Proof Screws, Add</i>	11.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
22 13 19 13-0006	EA Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet .....	630.71	112.92
	<i>For Cast Iron Dome Grate, Add</i>	17.00	
	<i>For Vandal Proof Screws, Add</i>	30.50	
	<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
	<i>For Nikaloy Dome Grate, Add</i>	178.50	
	<i>For Bronze Dome Grate, Add</i>	143.00	
	<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
	<i>For Ductile Iron Grate, Add</i>	48.00	
22 13 19 13-0007	EA Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet .....	654.79	124.91
	<i>For Cast Iron Dome Grate, Add</i>	17.00	
	<i>For Vandal Proof Screws, Add</i>	30.50	
	<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
	<i>For Nikaloy Dome Grate, Add</i>	178.50	
	<i>For Bronze Dome Grate, Add</i>	143.00	
	<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
	<i>For Ductile Iron Grate, Add</i>	48.00	
22 13 19 13-0008	EA Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet .....	680.52	137.85
	<i>For Cast Iron Dome Grate, Add</i>	17.00	
	<i>For Vandal Proof Screws, Add</i>	30.50	
	<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
	<i>For Nikaloy Dome Grate, Add</i>	178.50	
	<i>For Bronze Dome Grate, Add</i>	143.00	
	<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
	<i>For Ductile Iron Grate, Add</i>	48.00	
22 13 19 13-0009	EA Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet .....	1,033.66	112.92
	<i>For Cast Iron Dome Grate, Add</i>	17.00	
	<i>For Vandal Proof Screws, Add</i>	30.50	
	<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
	<i>For Nikaloy Dome Grate, Add</i>	178.50	
	<i>For Bronze Dome Grate, Add</i>	143.00	
	<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
	<i>For Ductile Iron Grate, Add</i>	48.00	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0010	EA		Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet.....	1,057.74	124.91
			For Cast Iron Dome Grate, Add	17.00	
			For Vandal Proof Screws, Add	30.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Ductile Iron Grate, Add	48.00	
22 13 19 13-0011	EA		Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet.....	1,083.47	137.85
			For Cast Iron Dome Grate, Add	17.00	
			For Vandal Proof Screws, Add	30.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Ductile Iron Grate, Add	48.00	
22 13 19 13-0012	EA		Bronze Top, 9" Round Top Floor Drain With 2" Outlet.....	974.98	112.92
			For Cast Iron Dome Grate, Add	17.00	
			For Vandal Proof Screws, Add	30.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Ductile Iron Grate, Add	48.00	
22 13 19 13-0013	EA		Bronze Top, 9" Round Top Floor Drain With 3" Outlet.....	998.93	124.91
			For Cast Iron Dome Grate, Add	17.00	
			For Vandal Proof Screws, Add	30.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Ductile Iron Grate, Add	48.00	
22 13 19 13-0014	EA		Bronze Top, 9" Round Top Floor Drain With 4" Outlet.....	1,024.79	137.85
			For Cast Iron Dome Grate, Add	17.00	
			For Vandal Proof Screws, Add	30.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Ductile Iron Grate, Add	48.00	
22 13 19 13-0015	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet.....	1,068.76	112.83
			For Galvanized Cast Iron Parts, Add	132.00	
			For Vandal Proof Screws, Add	30.50	
			For Primer Tap, Add	33.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Cast Iron Dome Grate, Add	28.00	
			For Ductile Iron Grate, Add	53.00	
			For Bronze Dome Grate, Add	218.50	
			For Nikaloy Dome Grate, Add	255.00	
			For Chained Grate, Add	48.50	
22 13 19 13-0016	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet.....	1,092.82	124.91
			For Galvanized Cast Iron Parts, Add	132.00	
			For Vandal Proof Screws, Add	30.50	
			For Primer Tap, Add	33.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Cast Iron Dome Grate, Add	28.00	
			For Ductile Iron Grate, Add	53.00	
			For Bronze Dome Grate, Add	218.50	
			For Nikaloy Dome Grate, Add	255.00	
			For Chained Grate, Add	48.50	
22 13 19 13-0017	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet.....	1,118.68	137.85
			For Galvanized Cast Iron Parts, Add	132.00	
			For Vandal Proof Screws, Add	30.50	
			For Primer Tap, Add	33.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Cast Iron Dome Grate, Add	28.00	
			For Ductile Iron Grate, Add	53.00	
			For Bronze Dome Grate, Add	218.50	
			For Nikaloy Dome Grate, Add	255.00	
			For Chained Grate, Add	48.50	
22 13 19 13-0018	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet.....	1,671.22	112.83
			For Galvanized Cast Iron Parts, Add	132.00	
			For Vandal Proof Screws, Add	30.50	
			For Primer Tap, Add	33.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Cast Iron Dome Grate, Add	28.00	
			For Ductile Iron Grate, Add	53.00	
			For Bronze Dome Grate, Add	218.50	
			For Nikaloy Dome Grate, Add	255.00	
			For Chained Grate, Add	48.50	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0019	EA			Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet .....	1,695.28	124.91
				For Galvanized Cast Iron Parts, Add	132.00	
				For Vandal Proof Screws, Add	30.50	
				For Primer Tap, Add	33.50	
				For Cast Iron Extension Collar, Each 2", Add	51.00	
				For Galvanized Extension Collar, Each 2", Add	102.50	
				For Cast Iron Dome Grate, Add	28.00	
				For Ductile Iron Grate, Add	53.00	
				For Bronze Dome Grate, Add	218.50	
				For Nikaloy Dome Grate, Add	255.00	
				For Chained Grate, Add	48.50	
22 13 19 13-0020	EA			Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet .....	1,721.14	137.85
				For Galvanized Cast Iron Parts, Add	132.00	
				For Vandal Proof Screws, Add	30.50	
				For Primer Tap, Add	33.50	
				For Cast Iron Extension Collar, Each 2", Add	51.00	
				For Galvanized Extension Collar, Each 2", Add	102.50	
				For Cast Iron Dome Grate, Add	28.00	
				For Ductile Iron Grate, Add	53.00	
				For Bronze Dome Grate, Add	218.50	
				For Nikaloy Dome Grate, Add	255.00	
				For Chained Grate, Add	48.50	
22 13 19 13-0021	EA			Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet .....	1,591.02	112.83
				For Galvanized Cast Iron Parts, Add	132.00	
				For Vandal Proof Screws, Add	30.50	
				For Primer Tap, Add	33.50	
				For Cast Iron Extension Collar, Each 2", Add	51.00	
				For Galvanized Extension Collar, Each 2", Add	102.50	
				For Cast Iron Dome Grate, Add	28.00	
				For Ductile Iron Grate, Add	53.00	
				For Bronze Dome Grate, Add	218.50	
				For Nikaloy Dome Grate, Add	255.00	
				For Chained Grate, Add	48.50	
22 13 19 13-0022	EA			Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet .....	1,615.08	124.91
				For Galvanized Cast Iron Parts, Add	132.00	
				For Vandal Proof Screws, Add	30.50	
				For Primer Tap, Add	33.50	
				For Cast Iron Extension Collar, Each 2", Add	51.00	
				For Galvanized Extension Collar, Each 2", Add	102.50	
				For Cast Iron Dome Grate, Add	28.00	
				For Ductile Iron Grate, Add	53.00	
				For Bronze Dome Grate, Add	218.50	
				For Nikaloy Dome Grate, Add	255.00	
				For Chained Grate, Add	48.50	
22 13 19 13-0023	EA			Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet .....	1,640.94	137.85
				For Galvanized Cast Iron Parts, Add	132.00	
				For Vandal Proof Screws, Add	30.50	
				For Primer Tap, Add	33.50	
				For Cast Iron Extension Collar, Each 2", Add	51.00	
				For Galvanized Extension Collar, Each 2", Add	102.50	
				For Cast Iron Dome Grate, Add	28.00	
				For Ductile Iron Grate, Add	53.00	
				For Bronze Dome Grate, Add	218.50	
				For Nikaloy Dome Grate, Add	255.00	
				For Chained Grate, Add	48.50	
22 13 19 13-0024				<b>Square Or Rectangular Top Drains</b> <small>(22 13 19 13)</small> .....		
22 13 19 13-0025	EA			5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top .....	742.10	112.83
				For Sediment Bucket, Add	22.50	
				For Vandal Proof Screws, Add	11.00	
				For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0026	EA			5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top .....	766.42	125.01
				For Sediment Bucket, Add	22.50	
				For Vandal Proof Screws, Add	11.00	
				For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0027	EA			5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top .....	792.02	137.85
				For Sediment Bucket, Add	22.50	
				For Vandal Proof Screws, Add	11.00	
				For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0028	EA			6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top .....	800.78	112.83
				For Sediment Bucket, Add	22.50	
				For Vandal Proof Screws, Add	11.00	
				For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0029	EA			6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top .....	825.10	125.01
				For Sediment Bucket, Add	22.50	
				For Vandal Proof Screws, Add	11.00	
				For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0030	EA			6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top .....	850.70	137.85
				For Sediment Bucket, Add	22.50	
				For Vandal Proof Screws, Add	11.00	
				For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0031	EA			8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top .....	1,058.98	112.83
				For Sediment Bucket, Add	22.50	
				For Vandal Proof Screws, Add	11.00	
				For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0032	EA			8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top .....	1,083.30	125.01
				For Sediment Bucket, Add	22.50	
				For Vandal Proof Screws, Add	11.00	
				For Galvanized Cast Iron Parts, Add	105.00	

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0033	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,108.90 22.50 11.00 105.00	137.85
22 13 19 13-0034	EA		5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	699.06 22.50 11.00 105.00	112.83
22 13 19 13-0035	EA		5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	723.38 22.50 11.00 105.00	125.01
22 13 19 13-0036	EA		5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	748.98 22.50 11.00 105.00	137.85
22 13 19 13-0037	EA		6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	773.39 22.50 11.00 105.00	112.83
22 13 19 13-0038	EA		6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	797.71 22.50 11.00 105.00	125.01
22 13 19 13-0039	EA		6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	823.31 22.50 11.00 105.00	137.85
22 13 19 13-0040	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	982.69 22.50 11.00 105.00	112.83
22 13 19 13-0041	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,007.01 22.50 11.00 105.00	125.01
22 13 19 13-0042	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,032.61 22.50 11.00 105.00	137.85
22 13 19 13-0043	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i>	2,517.08 76.00 318.00 48.50	125.01
22 13 19 13-0044	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i>	2,542.68 76.00 318.00 48.50	137.85
22 13 19 13-0045	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i>	3,154.75 76.00 318.00 48.50	125.01
22 13 19 13-0046	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i>	3,180.35 76.00 318.00 48.50	137.85
22 13 19 13-0047	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i>	3,078.47 76.00 318.00 48.50	125.01
22 13 19 13-0048	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i>	3,104.07 76.00 318.00 48.50	137.85
22 13 19 13-0049	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,074.63 22.50 120.94 11.00	112.83
22 13 19 13-0050	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,098.95 22.50 120.94 11.00	125.01
22 13 19 13-0051	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,124.55 22.50 120.94 11.00	137.85
22 13 19 13-0052	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,377.81 22.50 120.94 11.00	112.83
22 13 19 13-0053	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,402.13 22.50 120.94 11.00	125.01
22 13 19 13-0054	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,427.73 22.50 120.94 11.00	137.85



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0055 EA 5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,448.23 22.50 120.94 11.00	112.83
22 13 19 13-0056 EA 5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,472.55 22.50 120.94 11.00	125.01
22 13 19 13-0057 EA 5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,498.15 22.50 120.94 11.00	137.85
22 13 19 13-0058 EA 5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,993.97 22.50 120.94 11.00	112.83
22 13 19 13-0059 EA 5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	2,018.29 22.50 120.94 11.00	125.01
22 13 19 13-0060 EA 5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	2,043.89 22.50 120.94 11.00	137.85
22 13 19 13-0061 EA 5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top ..... <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,012.03 22.50 120.94 11.00	112.83
22 13 19 13-0062 EA 5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top ..... <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,036.35 22.50 120.94 11.00	125.01
22 13 19 13-0063 EA 5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top ..... <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,061.95 22.50 120.94 11.00	137.85
22 13 19 13-0064 EA 5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top ..... <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,270.23 22.50 120.94 11.00	112.83
22 13 19 13-0065 EA 5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top ..... <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,294.55 22.50 120.94 11.00	125.01
22 13 19 13-0066 EA 5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top ..... <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,320.15 22.50 120.94 11.00	137.85
22 13 19 13-0067 EA 5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top ..... <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,340.65 22.50 120.94 11.00	112.83
22 13 19 13-0068 EA 5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top ..... <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,364.97 22.50 120.94 11.00	125.01
22 13 19 13-0069 EA 5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top ..... <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,390.57 22.50 120.94 11.00	137.85
22 13 19 13-0070 EA 5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top ..... <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,784.67 22.50 120.94 11.00	112.83
22 13 19 13-0071 EA 5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top ..... <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,808.99 22.50 120.94 11.00	125.01
22 13 19 13-0072 EA 5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top ..... <i>For Sediment Bucket, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Vandal Proof Screws, Add</i>	1,834.59 22.50 120.94 11.00	137.85
<b>22 13 19 13-0073 Funnel Type Floor Drains</b> <small>(22 13 19 13)</small>		
22 13 19 13-0074 EA 7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top ..... <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,013.29 -19.50 11.00 105.00	100.74
22 13 19 13-0075 EA 7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top ..... <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,037.46 -19.50 11.00 105.00	112.83
22 13 19 13-0076 EA 7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top ..... <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,061.52 -19.50 11.00 105.00	124.91

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 19 13-0077	EA 7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,087.38 -19.50 11.00 105.00	137.85
22 13 19 13-0078	EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,477.57 -19.50 11.00 105.00	112.83
22 13 19 13-0079	EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,501.63 -19.50 11.00 105.00	124.91
22 13 19 13-0080	EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,527.49 -19.50 11.00 105.00	137.85
22 13 19 13-0081	EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,401.29 -19.50 11.00 105.00	112.83
22 13 19 13-0082	EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,425.35 -19.50 11.00 105.00	124.91
22 13 19 13-0083	EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,451.21 -19.50 11.00 105.00	137.85
<b>22 13 19 13-0084</b>	<b>Floor Drain With Sediment Bucket Bottom Outlet</b> <small>(22 13 19 13)</small>		
22 13 19 13-0085	EA 12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,132.06 30.50 33.50 132.00	100.74
22 13 19 13-0086	EA 12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,156.32 30.50 33.50 132.00	112.83
22 13 19 13-0087	EA 12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,180.38 30.50 33.50 132.00	124.91
22 13 19 13-0088	EA 12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,206.24 30.50 33.50 132.00	137.85
22 13 19 13-0089	EA 12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,232.91 30.50 33.50 132.00	151.15
22 13 19 13-0090	EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate <i>For Vandal Proof Screws, Add</i> <i>For Aluminum Bucket, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,304.98 29.50 77.50 31.00 273.75	112.83
22 13 19 13-0091	EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate <i>For Vandal Proof Screws, Add</i> <i>For Aluminum Bucket, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,329.30 29.50 77.50 31.00 273.75	125.01
22 13 19 13-0092	EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate <i>For Vandal Proof Screws, Add</i> <i>For Aluminum Bucket, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,354.90 29.50 77.50 31.00 273.75	137.85
22 13 19 13-0093	EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate <i>For Vandal Proof Screws, Add</i> <i>For Aluminum Bucket, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,381.57 29.50 77.50 31.00 273.75	151.15
22 13 19 13-0094	EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate <i>For Vandal Proof Screws, Add</i> <i>For Aluminum Bucket, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,422.80 29.50 77.50 31.00 273.75	112.83
22 13 19 13-0095	EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate <i>For Vandal Proof Screws, Add</i> <i>For Aluminum Bucket, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,447.12 29.50 77.50 31.00 273.75	125.01

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 19 13-0096	EA	12" x 12"	Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,472.72	137.85
			For Vandal Proof Screws, Add	29.50	
			For Aluminum Bucket, Add	77.50	
			For Primer Tap, Add	31.00	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0097	EA	12" x 12"	Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,499.39	151.15
			For Vandal Proof Screws, Add	29.50	
			For Aluminum Bucket, Add	77.50	
			For Primer Tap, Add	31.00	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0098	EA	12" x 12"	Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,152.41	112.83
			For Vandal Proof Screws, Add	29.50	
			For Aluminum Bucket, Add	77.50	
			For Primer Tap, Add	31.00	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0099	EA	12" x 12"	Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,176.73	125.01
			For Vandal Proof Screws, Add	29.50	
			For Aluminum Bucket, Add	77.50	
			For Primer Tap, Add	31.00	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0100	EA	12" x 12"	Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,202.33	137.85
			For Vandal Proof Screws, Add	29.50	
			For Aluminum Bucket, Add	77.50	
			For Primer Tap, Add	31.00	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0101	EA	12" x 12"	Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,229.00	151.15
			For Vandal Proof Screws, Add	29.50	
			For Aluminum Bucket, Add	77.50	
			For Primer Tap, Add	31.00	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0102	<b>Other Drains</b> <small>(22 13 19 13)</small>				
22 13 19 13-0103	<b>Shower Drains</b> <small>(22 13 19 13-0102)</small>				
22 13 19 13-0104	EA	4-1/4"	Stainless Steel Shower Drain Strainer.....	38.72	10.18
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0105	EA	4-1/4"	Brass Shower Drain Strainer.....	42.82	10.18
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0106	EA	4"	Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe.....	90.04	20.35
			Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.		
22 13 19 13-0107	EA	4"	Chrome Finish, Threaded Brass Shower Drain And Gasket.....	113.61	20.35
			Note: For 2" pipe. Kohler K-9132.		
22 13 19 13-0108	<b>Acid Resistant Floor Drains</b> <small>(22 13 19 13-0102)</small>				
22 13 19 13-0109	EA	9"	Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	1,021.02	100.74
			For Vandal Proof Screws, Add	30.50	
			For Primer Tap, Add	33.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0110	EA	9"	Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	1,045.28	112.83
			For Vandal Proof Screws, Add	30.50	
			For Primer Tap, Add	33.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0111	EA	9"	Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	1,069.34	124.91
			For Vandal Proof Screws, Add	30.50	
			For Primer Tap, Add	33.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0112	<b>Rotary And Lever Drains</b> <small>(22 13 19 13-0102)</small>				
22 13 19 13-0113	EA	1-1/2"	Drain, 3" Sink Opening Lever Drain.....	225.85	67.94
22 13 19 13-0114	EA	2"	Drain, 3" Sink Opening Lever Drain.....	239.91	74.96
22 13 19 13-0115	EA	1-1/2"	Drain, 3-1/2" Sink Opening Lever Drain.....	225.85	67.94
22 13 19 13-0116	EA	2"	Drain, 3-1/2" Sink Opening Lever Drain.....	239.91	74.96
22 13 19 13-0117	EA	1-1/2"	Drain, 3" Sink Opening Twist Drain.....	225.85	67.94
22 13 19 13-0118	EA	2"	Drain, 3" Sink Opening Twist Drain.....	239.91	74.96
22 13 19 13-0119	EA	1-1/2"	Drain, 3-1/2" Sink Opening Twist Drain.....	225.85	67.94
22 13 19 13-0120	EA	2"	Drain, 3-1/2" Sink Opening Twist Drain.....	239.91	74.96
22 13 19 13-0121	EA	1-1/2"-2"	Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100).....	309.33	74.96
22 13 19 13-0122	<b>Floor Receptor</b> <small>(22 13 19 13)</small>				
22 13 19 13-0123	<b>9" Diameter Round Shallow Receptor</b> <small>(22 13 19 13-0122)</small>				
			Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 19 13-0124	EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection..... <i>For White Acid Resistant Bucket, Add</i> <i>For Flange With Seepage Holes, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For Trap Primer Connection, Add</i>	1,250.82 47.00 58.50 62.50 97.00 36.00 33.50 38.00	112.92
22 13 19 13-0125	EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection..... <i>For White Acid Resistant Bucket, Add</i> <i>For Flange With Seepage Holes, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For Trap Primer Connection, Add</i>	1,275.26 47.00 58.50 62.50 97.00 36.00 33.50 38.00	125.10
22 13 19 13-0126	EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection..... <i>For White Acid Resistant Bucket, Add</i> <i>For Flange With Seepage Holes, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For Trap Primer Connection, Add</i>	1,300.59 47.00 58.50 62.50 97.00 36.00 33.50 38.00	137.85
<b>22 13 19 13-0127</b>	<b>Square Top Floor Receptors</b> (22 13 19 13-0122) Note: With acid resistant coating.		
22 13 19 13-0128	EA 8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top..... <i>For Vandal Proof Secured Grate, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Flange With Seepage Holes, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i>	1,469.05 15.50 39.50 37.50 97.00 88.00 36.00 69.00	100.74
22 13 19 13-0129	EA 8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top..... <i>For Vandal Proof Secured Grate, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Flange With Seepage Holes, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i>	1,493.33 15.50 39.50 37.50 97.00 88.00 36.00 69.00	112.92
22 13 19 13-0130	EA 8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top..... <i>For Vandal Proof Secured Grate, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Flange With Seepage Holes, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i>	1,517.28 15.50 39.50 37.50 97.00 88.00 36.00 69.00	124.91
22 13 19 13-0131	EA 8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top..... <i>For Vandal Proof Secured Grate, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Flange With Seepage Holes, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i>	1,543.14 15.50 39.50 37.50 97.00 88.00 36.00 69.00	137.85
<b>22 13 19 13-0132</b>	<b>Floor Drain Accessories</b> (22 13 19 13)		
22 13 19 13-0133	EA 3" Trap Guard Floor Drain Insert (ProVent TG3H) ..... Note: Prevents emission of sewer gases.	81.64	11.72
22 13 19 13-0134	EA 2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22)..... Note: Prevents emission of sewer gases.	67.09	11.72
22 13 19 13-0135	EA 3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33)..... Note: Prevents emission of sewer gases.	72.91	11.72
22 13 19 13-0136	EA 3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP)..... Note: Prevents emission of sewer gases.	87.46	11.72
22 13 19 13-0137	EA 3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP) ..... Note: Prevents emission of sewer gases.	78.73	11.72
22 13 19 13-0138	EA 2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02)..... Note: Prevents emission of sewer gases.	110.97	11.72
22 13 19 13-0139	EA 3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03)..... Note: Prevents emission of sewer gases.	122.69	11.72
22 13 19 13-0140	EA 4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04)..... Note: Prevents emission of sewer gases.	151.77	11.72
<b>22 13 19 26</b>	<b>Grease Removal Devices</b> (22 13 19)		
22 13 19 26-0001	Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26) Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002	Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001) Note: Jossam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0003	EA		7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60102H. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	937.12  1,298.97	70.29
22 13 19 26-0004	EA		10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60103H. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i> <i>For Flange And Clamp Device, Add</i>	1,091.78  1,371.58 365.59	158.14
22 13 19 26-0005	EA		15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60104H. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i> <i>For Flange And Clamp Device, Add</i>	1,538.57  1,497.62 377.30	175.70
22 13 19 26-0006	EA		20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60105H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,854.14  389.01 1,618.24	193.28
22 13 19 26-0007	EA		25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60106H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,074.67  431.13 1,684.13	210.85
22 13 19 26-0008	EA		35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60107H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,544.90  465.75 1,851.75	245.99
22 13 19 26-0009	EA		50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60108H. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i> <i>For Flange And Clamp Device, Add</i>	3,310.78  1,972.33 530.14	281.13
22 13 19 26-0010	EA		75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60109H. <i>For Flange And Clamp Device, Add</i>	6,455.48  754.85	316.27
22 13 19 26-0011	EA		100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60110H. <i>For Flange And Clamp Device, Add</i>	7,317.39  872.69	397.03
22 13 19 26-0012	EA		150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60213A. <i>For Flange And Clamp Device, Add</i>	9,062.51  1,191.50	635.25
22 13 19 26-0013	EA		200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60214A. <i>For Flange And Clamp Device, Add</i>	12,977.00  1,426.66	794.06
22 13 19 26-0014	EA		250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60215A. <i>For Flange And Clamp Device, Add</i>	15,144.20  1,845.49	952.88
22 13 19 26-0015	EA		350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60216A. <i>For Flange And Clamp Device, Add</i>	19,647.99  2,189.13	1,111.68
22 13 19 26-0016	EA		500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60217A. <i>For Flange And Clamp Device, Add</i>	25,380.15  2,568.28	1,270.50
22 13 19 26-0017			<b>Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor</b> (22 13 19 26-0001) Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA		20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60115A.	2,650.60	193.28
22 13 19 26-0019	EA		35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60117A.	3,409.24	245.99
22 13 19 26-0020	EA		50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Smith 8150.	5,595.58	281.13
22 13 19 26-0021			<b>Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor</b> (22 13 19 26) Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022			<b>Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor</b> (22 13 19 26-0021) Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA		7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60102-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,322.88  1,298.97	70.29
22 13 19 26-0024	EA		10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60103-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i> <i>For Flange And Clamp Device, Add</i>	2,729.96  1,371.58 365.59	158.14
22 13 19 26-0025	EA		15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60104-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i> <i>For Flange And Clamp Device, Add</i>	2,918.30  1,497.62 377.30	175.70
22 13 19 26-0026	EA		20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60105-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i> <i>For Flange And Clamp Device, Add</i>	3,556.68  1,618.24 377.30	193.28
22 13 19 26-0027	EA		25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60106-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i> <i>For Flange And Clamp Device, Add</i>	4,282.54  1,684.13 377.30	210.85
22 13 19 26-0028	EA		35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60107-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i> <i>For Flange And Clamp Device, Add</i>	4,434.48  1,851.75 365.59	245.99
22 13 19 26-0029	EA		50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60108-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	5,062.09  1,972.33	281.13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0030			<b>Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26-0021)</small> Note: Josam 60115A-SA, Smith 8100GTX, or Zum Z1171-TD series.		
22 13 19 26-0031	EA		35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor.....	5,938.90	245.99
			Note: Josam 60115A-SA.		
22 13 19 26-0032			<b>Automatic Cleaning Stainless Steel Grease Interceptor</b> <small>(22 13 19 26)</small>		
22 13 19 26-0033	EA		20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor.....	5,092.62	193.28
			Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).		
22 13 19 26-0034	EA		25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor.....	5,913.99	210.85
			Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).		
22 13 19 26-0035	EA		35 GPM, 70 LB Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35).....	5,093.32	245.99
22 13 19 26-0036			<b>Precast Concrete Grease Interceptor</b> <small>(22 13 19 26)</small> Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037	EA		1,000 Gallon Pre-Cast Grease Interceptor.....	4,081.59	358.66
22 13 19 26-0038	EA		1,250 Gallon Pre-Cast Grease Interceptor.....	4,660.47	358.66
22 13 19 26-0039	EA		1,500 Gallon Pre-Cast Grease Interceptor.....	5,290.06	410.03
22 13 19 26-0040	EA		2,000 Gallon Pre-Cast Grease Interceptor.....	6,040.43	579.06
22 13 19 26-0041	EA		2,500 Gallon Pre-Cast Grease Interceptor.....	6,824.27	779.10
22 13 19 26-0042	EA		4,000 Gallon Pre-Cast Grease Interceptor.....	10,209.52	1,025.03
22 13 19 26-0043	EA		5,000 Gallon Pre-Cast Grease Interceptor.....	13,173.83	1,680.89
22 13 19 26-0044			<b>Coated Steel Manual Oil Interceptor</b> <small>(22 13 19 26)</small> Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0045	EA		10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	3,008.86	267.60
22 13 19 26-0046	EA		15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	4,030.30	317.97
22 13 19 26-0047	EA		20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	4,883.16	391.23
22 13 19 26-0048	EA		25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	5,303.42	423.79
22 13 19 26-0049	EA		35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	6,339.82	462.45
22 13 19 26-0050	EA		50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	8,303.36	508.75
22 13 19 26-0051	EA		75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	13,789.91	585.69
22 13 19 26-0052	EA		100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	15,119.73	720.62
22 13 19 26-0053	EA		150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	18,508.11	781.07
22 13 19 26-0054	EA		200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	25,816.65	937.09
22 13 19 26-0055	EA		250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	29,742.75	1,007.38
22 13 19 26-0056	EA		350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	37,429.99	1,201.36
22 13 19 26-0057	EA		400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	44,944.19	984.42
22 13 19 26-0058	EA		500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	53,244.31	1,171.37
<b>22 13 19 33</b>			<b>Backwater Valves</b> <small>(22 13 19)</small>		
22 13 19 33-0001			<b>Cast Iron Body Terminal Backwater Valves</b> <small>(22 13 19 33)</small>		
22 13 19 33-0002	EA		2" Cast Iron Body Terminal Backwater Valve.....	315.97	26.89
22 13 19 33-0003	EA		3" Cast Iron Body Terminal Backwater Valve.....	326.27	33.83
22 13 19 33-0004	EA		4" Cast Iron Body Terminal Backwater Valve.....	469.28	44.98
22 13 19 33-0005	EA		6" Cast Iron Body Terminal Backwater Valve.....	1,241.31	61.93
22 13 19 33-0006	EA		8" Cast Iron Body Terminal Backwater Valve.....	1,519.89	81.50
22 13 19 33-0007	EA		10" Cast Iron Body Terminal Backwater Valve.....	4,351.71	100.54
22 13 19 33-0008	EA		12" Cast Iron Body Terminal Backwater Valve.....	4,935.31	130.40
22 13 19 33-0009			<b>Cast Iron Backwater Sewer Line Valve</b> <small>(22 13 19 33)</small> Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010	EA		2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	788.50	64.10
22 13 19 33-0011	EA		3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	1,192.28	77.78
22 13 19 33-0012	EA		4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	1,476.91	100.27
22 13 19 33-0013	EA		6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	2,057.65	112.51
22 13 19 33-0014	EA		8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	2,841.49	133.32
22 13 19 33-0015			<b>Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve</b> <small>(22 13 19 33)</small> Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016	EA		3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,094.50	101.49
22 13 19 33-0017	EA		4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,144.72	134.94
22 13 19 33-0018	EA		5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	3,110.18	166.63
22 13 19 33-0019	EA		6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	3,139.14	185.77
22 13 19 33-0020			<b>Polyvinyl Chloride (PVC) Backwater Sewer Line Valve</b> <small>(22 13 19 33)</small> Note: Oatey.		
22 13 19 33-0021	EA		3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900).....	107.59	33.83
22 13 19 33-0022	EA		4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904).....	130.19	44.98
22 13 19 33-0023	EA		6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908).....	360.39	61.93
22 13 19 33-0024			<b>Polyvinyl Chloride (PVC) Extendable Backwater Valves</b> <small>(22 13 19 33)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 19 33-0025	EA		3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) .....250.32 Note: Includes valve body, flapper assembly and collar.	250.32	67.65
22 13 19 33-0026	EA		4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) .....333.31 Note: Includes valve body, flapper assembly and collar.	333.31	89.96
22 13 19 33-0027	EA		6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) .....565.59 Note: Includes valve body, flapper assembly and collar.	565.59	123.84

**22 13 19 36 Air-Admittance Valves (22 13 19)**

**22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent (22 13 19 36)**

22 13 19 36-0002	EA		1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent.....134.99	134.99	13.12
22 13 19 36-0003	EA		2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent.....160.15	160.15	13.12

**22 13 23 Sanitary Waste Interceptors (22 13)**

**22 13 23 00-0001 Sediment Bucket Solids Interceptors (22 13 23)**

22 13 23 00-0002	EA		1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180).....914.05 Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	914.05	132.70
22 13 23 00-0003	EA		1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184).....915.16 Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	915.16	132.70
22 13 23 00-0004	EA		1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO).....1,275.80 Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,275.80	132.70
22 13 23 00-0005	EA		1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO) .....1,275.80 Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,275.80	132.70
22 13 23 00-0006	EA		1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030).....1,357.45 Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,357.45	132.70

**22 13 23 00-0007 Drum Trap, Solids Interceptors (22 13 23)**

**22 13 23 00-0008 Extra Heavy Duty Cast Iron Drum Trap (22 13 23 00-0007)**

22 13 23 00-0009	EA		8-1/2" Diameter x 12-3/4" High Solids Interceptor, 1-1/2" Inlet/Outlet, Extra Heavy Cast Iron .....1,216.82 <i>For Acid Coating Inside Or Outside, Add 581.18</i> <i>For Acid Coating Inside And Outside, Add 699.57</i>	1,216.82	131.19
22 13 23 00-0010	EA		8-1/2" Diameter x 12-3/4" High Solids Interceptor, 2" Inlet/Outlet, Extra Heavy Cast Iron .....1,240.26 <i>For Acid Coating Inside Or Outside, Add 581.18</i> <i>For Acid Coating Inside And Outside, Add 699.57</i>	1,240.26	149.94

**22 13 23 00-0011 Aluminum, Solid Interceptor, Drum Trap (22 13 23 00-0007)**

22 13 23 00-0012	EA		8-1/2" Diameter x 12-3/4" High Solids Interceptor, 1-1/2" Inlet/Outlet, Aluminum .....1,653.37	1,653.37	131.19
22 13 23 00-0013	EA		8-1/2" Diameter x 12-3/4" High Solids Interceptor, 2" Inlet/Outlet, Aluminum .....1,676.81	1,676.81	149.94

**22 13 23 00-0014 Solid Interceptors, Cast Iron With Internal Deep Seal Trap (22 13 23)**

22 13 23 00-0015	EA		1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel .....313.29 <i>For Stainless Steel Bucket, Add 175.00</i>	313.29	45.38
22 13 23 00-0016	EA		2" Inlet Cast Iron Solid Interceptor, Painted Enamel .....319.09 <i>For Stainless Steel Bucket, Add 175.00</i>	319.09	48.33

**22 13 23 00-0017 Sediment Strainers (22 13 23)**

22 13 23 00-0018	EA		2" Strainer, Pump Suction Side.....142.07	142.07	61.80
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**22 13 29 Sanitary Sewerage Pumps (22 13)**

Note: Includes extra set of gaskets, bearings and seals.

**22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29)**

**22 13 29 13-0001 Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-Deming Series 4500) (22 13 29 13)**

Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.

**22 13 29 13-0002 1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)**

22 13 29 13-0003	EA		1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....5,686.88	5,686.88	1,124.14
22 13 29 13-0004	EA		3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....5,898.23	5,898.23	1,124.14
22 13 29 13-0005	EA		1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....6,109.59	6,109.59	1,124.14
22 13 29 13-0006	EA		1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....6,311.18	6,311.18	1,124.14

**22 13 29 13-0007 2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0008	EA		3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM .....	6,272.17	1,124.14
22 13 29 13-0009	EA		1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM .....	6,353.45	1,124.14
22 13 29 13-0010	EA		2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM .....	6,410.36	1,124.14
22 13 29 13-0011	EA		3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM .....	6,800.55	1,124.14
22 13 29 13-0012	EA		5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM .....	7,182.61	1,124.14
22 13 29 13-0013	EA		7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM .....	7,767.90	1,124.14
22 13 29 13-0014	EA		10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM .....	8,353.19	1,124.14
22 13 29 13-0015	EA		15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM .....	9,682.17	1,495.98
<b>22 13 29 13-0016</b>			<b>3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps</b> (22 13 29 13-0001)		
22 13 29 13-0017	EA		2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM .....	6,679.48	1,124.14
22 13 29 13-0018	EA		3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM .....	6,679.48	1,124.14
22 13 29 13-0019	EA		5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM .....	6,820.32	1,124.14
22 13 29 13-0020	EA		7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM .....	7,913.11	1,124.14
22 13 29 13-0021	EA		10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM .....	8,104.81	1,124.14
22 13 29 13-0022	EA		15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM .....	9,749.60	1,495.98
22 13 29 13-0023	EA		20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM .....	10,237.34	1,495.98
<b>22 13 29 13-0024</b>			<b>Extra Column Assemblies Addition, 5' Or Less</b> (22 13 29 13-0001)		
22 13 29 13-0025	EA		2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps .....	544.22	
22 13 29 13-0026	EA		3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps .....	653.44	
22 13 29 13-0027	EA		4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps .....	730.37	
22 13 29 13-0028	EA		5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps .....	743.67	
22 13 29 13-0029	EA		6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps .....	834.84	
<b>22 13 29 13-0030</b>			<b>Float Switches</b> (22 13 29 13-0001)		
			Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA		Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps .....	489.13	
22 13 29 13-0032	EA		Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps .....	513.82	
22 13 29 13-0033	EA		Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps .....	525.22	
<b>22 13 29 13-0034</b>			<b>Square Or Round Steel Sump Covers</b> (22 13 29 13-0001)		
22 13 29 13-0035	EA		24" Steel Sump Covers, Square Or Round .....	578.77	37.48
22 13 29 13-0036	EA		30" Steel Sump Covers, Square Or Round .....	640.85	42.17
22 13 29 13-0037	EA		36" Steel Sump Covers, Square Or Round .....	888.50	56.23
22 13 29 13-0038	EA		40" Steel Sump Covers, Square Or Round .....	1,284.07	65.60
22 13 29 13-0039	EA		42" Steel Sump Covers, Square Or Round .....	1,375.78	67.94
22 13 29 13-0040	EA		48" Steel Sump Covers, Square Or Round .....	1,470.41	70.29
22 13 29 13-0041	EA		54" Steel Sump Covers, Square Or Round .....	1,871.39	84.34
22 13 29 13-0042	EA		60" Steel Sump Covers, Square Or Round .....	2,528.10	93.71
22 13 29 13-0043	EA		72" Steel Sump Covers, Square Or Round .....	3,205.83	117.14
22 13 29 13-0044	EA		84" Steel Sump Covers, Square Or Round .....	4,068.56	128.85
<b>22 13 29 16</b>			<b>Submersible Sewerage Pumps</b> (22 13 29)		
<b>22 13 29 16-0001</b>			<b>Submersible Sewage Pumps With Vortex Impeller</b> (22 13 29 16)		
<b>22 13 29 16-0002</b>			<b>Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller</b> (22 13 29 16-0001)		
			Note: Includes 25' cord.		
22 13 29 16-0003	EA		1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,044.35	68.17
22 13 29 16-0004	EA		1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,110.66	68.17
22 13 29 16-0005	EA		1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,090.26	68.17
22 13 29 16-0006	EA		1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,188.03	68.17
22 13 29 16-0007	EA		1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,188.03	68.17
22 13 29 16-0008	EA		1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,264.41	85.21
22 13 29 16-0009	EA		1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,351.13	85.21
22 13 29 16-0010	EA		1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,362.18	85.21
<b>22 13 29 16-0011</b>			<b>Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller</b> (22 13 29 16-0001)		
			Note: Includes 20' cord.		
22 13 29 16-0012	EA		1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,063.05	68.17
22 13 29 16-0013	EA		1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,158.27	68.17
22 13 29 16-0014	EA		1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,113.21	68.17
22 13 29 16-0015	EA		1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,205.04	68.17
22 13 29 16-0016	EA		1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,287.50	68.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 29 16-0017	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,211.70	85.21
22 13 29 16-0018	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,310.32	85.21
22 13 29 16-0019	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,309.47	85.21
22 13 29 16-0020	EA	1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,523.31	137.36
22 13 29 16-0021	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,606.63	137.36
22 13 29 16-0022	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,621.09	137.36
22 13 29 16-0023	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,644.62	167.89
22 13 29 16-0024	EA	2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,739.84	167.89
22 13 29 16-0025	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,742.39	167.89

**22 13 29 16-0026 Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29**

16-0001  
Note: Includes 20' cord.

22 13 29 16-0027	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,253.50	68.17
22 13 29 16-0028	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,415.04	68.17
22 13 29 16-0029	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller .....	1,392.79	85.21
22 13 29 16-0030	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller .....	1,490.56	85.21
22 13 29 16-0031	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,718.01	137.36
22 13 29 16-0032	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,815.78	137.36
22 13 29 16-0033	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,840.16	167.89
22 13 29 16-0034	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,937.94	167.89

**22 13 29 16-0035 Submersible Sewage Pumps With Semi-Open Impeller (22 13 29 16)**

Note: Includes 25' of cord with pump.

22 13 29 16-0036	EA	1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	3,068.89	85.21
22 13 29 16-0037	EA	1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	3,307.01	140.43
22 13 29 16-0038	EA	2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	3,555.94	171.64
22 13 29 16-0039	EA	3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	3,734.78	208.05
22 13 29 16-0040	EA	5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	4,196.33	244.46
22 13 29 16-0041	EA	7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	4,690.96	280.87

**22 13 29 16-0042 Submersible Sewage Pumps, Explosion Proof (22 13 29 16)**

Note: Includes 25' of cord with pump.

22 13 29 16-0043	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	5,362.16	305.39
22 13 29 16-0044	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	4,952.26	305.39
22 13 29 16-0045	EA	1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	4,952.26	305.39
22 13 29 16-0046	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	5,644.31	407.18
22 13 29 16-0047	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	5,234.42	407.18
22 13 29 16-0048	EA	1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	5,234.42	407.18
22 13 29 16-0049	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,011.02	508.98
22 13 29 16-0050	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	5,601.12	508.98
22 13 29 16-0051	EA	2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	5,601.12	508.98
22 13 29 16-0052	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,298.28	610.78
22 13 29 16-0053	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	5,888.39	610.78
22 13 29 16-0054	EA	3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	5,888.39	610.78
22 13 29 16-0055	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,967.29	712.57
22 13 29 16-0056	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,557.39	712.57
22 13 29 16-0057	EA	5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,557.39	712.57

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 13 29 16-0058	EA	7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,235.78		814.37
22 13 29 16-0059	EA	7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,235.78		814.37
<b>22 13 29 16-0060</b>		<b>Submersible Sewage Pump Accessories <small>(22 13 29 16)</small></b>			
22 13 29 16-0061	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	512.37		72.19
		Note: Includes alarm horn, warning light and alarm float switch.			
22 13 29 16-0062	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	528.61		72.19
		Note: Includes alarm horn, warning light, and alarm float switch.			
22 13 29 16-0063	EA	Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	1,030.83		96.26
		Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.			
22 13 29 16-0064	EA	Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	1,446.73		96.26
		Note: Includes alarm horn and warning light. Control float switches not included.			
22 13 29 16-0065	EA	Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors.....	3,326.24		96.26
		Note: Includes alarm horn and warning light. Control float switches not included.			
22 13 29 16-0066	EA	Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors.....	3,479.38		96.26
		Note: Includes alarm horn and warning light. Control float switches not included.			
22 13 29 16-0067	EA	Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors.....	5,556.09		120.32
		Note: Includes alarm horn and warning light. Control float switches not included.			
22 13 29 16-0068	EA	Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors.....	4,684.89		120.32
		Note: Includes alarm horn and warning light. Control float switches not included.			
22 13 29 16-0069	EA	Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps.....	1,146.37		120.32
		Note: Includes alarm horn, warning light, and three 20' float switches.			
22 13 29 16-0070	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps.....	1,260.10		120.32
		Note: Includes alarm horn, warning light, and three 20' float switches.			
22 13 29 16-0071	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps.....	1,210.55		120.32
		Note: Includes alarm horn, warning light, and three 20' float switches.			
22 13 29 16-0072	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps.....	1,313.04		120.32
		Note: Includes alarm horn, warning light, and three 20' float switches.			
22 13 29 16-0073	EA	Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps.....	2,228.45		120.32
		Note: Includes alarm horn and warning light. Float switches not included..			
22 13 29 16-0074	EA	Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure.....	422.00		48.13
		Note: Includes alarm horn, warning light and 15' tethered float.			
22 13 29 16-0075	EA	Variable Level (Clamp Type) Float Switch With 15' Cord.....	83.87		24.07
		Note: Not for use with Intrinsically Safe Control Systems.			
22 13 29 16-0076	EA	Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only.....	99.64		24.07
22 13 29 16-0077	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord.....	105.71		24.07
		Note: Not for use with Intrinsically Safe Control Systems.			
22 13 29 16-0078	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only.....	111.32		24.07
22 13 29 16-0079	EA	Float Switch Tree With (3) 15' Floats.....	304.19		24.07
		Note: Not for use with Intrinsically Safe Control Systems.			
22 13 29 16-0080	EA	Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only.....	346.07		24.07
22 13 29 16-0081	EA	Float Switch Tree And (4) Floats With 15' Cords.....	337.99		24.07
		Note: Not for use with Intrinsically Safe Control Systems.			
22 13 29 16-0082	EA	Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only.....	393.59		24.07
22 13 29 16-0083	EA	Float Switch Tree.....	164.88		24.07
		Note: Tree only.			
22 13 29 16-0084	EA	Adjustable Weight For Float Switch.....	45.48		12.03
22 13 29 16-0085	EA	Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge.....	857.42		72.19
		Note: Lifting equipment not included.			
22 13 29 16-0086	EA	Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge.....	1,340.15		96.26
		Note: Lifting equipment not included.			
22 13 29 16-0087	EA	Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge.....	1,749.12		120.32
		Note: Lifting equipment not included.			
22 13 29 16-0088	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 3" Horizontal Discharge.....	1,906.52		72.19
22 13 29 16-0089	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 4" Horizontal Discharge.....	2,689.13		72.19
22 13 29 16-0090	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System.....	253.44		48.13
22 13 29 16-0091	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems.....	440.61		60.17
22 13 29 16-0092	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems.....	444.40		72.19
22 13 29 16-0093	EA	12" Stainless Steel Lifting Cable.....	125.03		24.07
22 13 29 16-0094	EA	Disconnect Fitting For 2" Horizontal Discharge.....	241.66		24.07
		Note: Used for shallow systems where guide rails are not necessary.			

**22 13 29 33 Sewerage Pump Basins and Pits (22 13 29)****22 13 29 33-0001 Sewage Sump Pump Basin (22 13 29 33)****22 13 29 33-0002 High Density Polyethylene (HDPE) Basin (22 13 29 33-0001)**

22 13 29 33-0003	EA	18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	100.92		
22 13 29 33-0004	EA	18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	127.66		
22 13 29 33-0005	EA	24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	271.31		
22 13 29 33-0006	EA	24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	375.25		
22 13 29 33-0007	EA	30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	479.19		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 29 33-0008 EA 36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub .....555.56

**22 13 29 33-0009** **Fiberglass Basin** (22 13 29 33-0001)

22 13 29 33-0010 EA 18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub .....312.65  
 22 13 29 33-0011 EA 24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub .....635.17  
 22 13 29 33-0012 EA 30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub .....1,140.22  
 22 13 29 33-0013 EA 36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub .....1,534.64  
 22 13 29 33-0014 EA 36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub .....1,768.24  
 22 13 29 33-0015 EA 36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub .....1,867.52  
 22 13 29 33-0016 EA 36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub .....2,193.83  
 22 13 29 33-0017 EA 48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub .....2,547.53

**22 14 Facility Storm Drainage** (22 10)

**22 14 13 Facility Storm Drainage Piping** (22 14)  
 See CSI section 22 13 16 00-0000 for storm drainage piping.

**22 14 26 Facility Storm Drains** (22 14)

**22 14 26 13 Roof Drains** (22 14 26)

**22 14 26 13-0001 Cast Iron Roof Drains** (22 14 26 13)

**22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome** (22 14 26 13-0001)

Note: Dome free area is 124 square inches.

22 14 26 13-0003	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	799.97		156.21
		<i>For Galvanized Iron Parts, Add</i>	518.00		
		<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00		
		<i>For Bronze Dome, Add</i>	448.80		
		<i>For Deck Clamp Assembly, Add</i>	130.00		
		<i>For Drain Receiver, Add</i>	147.00		
22 14 26 13-0004	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	878.06		187.42
		<i>For Galvanized Iron Parts, Add</i>	518.00		
		<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00		
		<i>For Bronze Dome, Add</i>	448.80		
		<i>For Deck Clamp Assembly, Add</i>	130.00		
		<i>For Drain Receiver, Add</i>	147.00		
22 14 26 13-0005	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	956.15		234.27
		<i>For Galvanized Iron Parts, Add</i>	518.00		
		<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00		
		<i>For Bronze Dome, Add</i>	448.80		
		<i>For Deck Clamp Assembly, Add</i>	130.00		
		<i>For Drain Receiver, Add</i>	147.00		
22 14 26 13-0006	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,282.76		281.13
		<i>For Galvanized Iron Parts, Add</i>	518.00		
		<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00		
		<i>For Bronze Dome, Add</i>	448.80		
		<i>For Deck Clamp Assembly, Add</i>	130.00		
		<i>For Drain Receiver, Add</i>	147.00		
22 14 26 13-0007	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,321.80		312.33
		<i>For Galvanized Iron Parts, Add</i>	518.00		
		<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00		
		<i>For Bronze Dome, Add</i>	448.80		
		<i>For Deck Clamp Assembly, Add</i>	130.00		
		<i>For Drain Receiver, Add</i>	147.00		
22 14 26 13-0008	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,560.89		327.98
		<i>For Galvanized Iron Parts, Add</i>	518.00		
		<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00		
		<i>For Bronze Dome, Add</i>	448.80		
		<i>For Deck Clamp Assembly, Add</i>	130.00		
		<i>For Drain Receiver, Add</i>	147.00		
22 14 26 13-0009	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome	2,107.10		339.70
		<i>For Galvanized Iron Parts, Add</i>	518.00		
		<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00		
		<i>For Bronze Dome, Add</i>	448.80		
		<i>For Deck Clamp Assembly, Add</i>	130.00		
		<i>For Drain Receiver, Add</i>	147.00		

**22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint** (22 14 26 13-0001)

Note: With polypropylene dome. Dome free area is 124 square inches.

22 14 26 13-0011	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	1,256.05		156.21
		<i>For Galvanized Iron Parts, Add</i>	518.00		
		<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00		
		<i>For Drain Receiver, Add</i>	147.00		
		<i>For Deck Clamp Assembly, Add</i>	130.00		
22 14 26 13-0012	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	1,366.00		187.42
		<i>For Galvanized Iron Parts, Add</i>	518.00		
		<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00		
		<i>For Drain Receiver, Add</i>	147.00		
		<i>For Deck Clamp Assembly, Add</i>	130.00		
22 14 26 13-0013	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	1,506.13		234.27
		<i>For Galvanized Iron Parts, Add</i>	518.00		
		<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00		
		<i>For Drain Receiver, Add</i>	147.00		
		<i>For Deck Clamp Assembly, Add</i>	130.00		

**22 Plumbing****22 10 Plumbing Piping****22 14 Facility Storm Drainage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0014	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome .....	2,082.57	281.13
			For Galvanized Iron Parts, Add	518.00	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Drain Receiver, Add	147.00	
			For Deck Clamp Assembly, Add	130.00	
22 14 26 13-0015	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome .....	2,237.31	312.33
			For Galvanized Iron Parts, Add	518.00	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Drain Receiver, Add	147.00	
			For Deck Clamp Assembly, Add	130.00	
<b>22 14 26 13-0016</b>			<b>Cast Iron Roof Drains With Flat Bronze Promenade Top (22 14 26 13-0001)</b>		
22 14 26 13-0017	EA		14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top .....	1,704.83	156.21
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	132.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	197.00	
			For Deck Clamp Assembly, Add	130.00	
22 14 26 13-0018	EA		14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top .....	1,782.92	187.42
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	132.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	197.00	
			For Deck Clamp Assembly, Add	130.00	
22 14 26 13-0019	EA		14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top .....	1,861.01	234.27
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	132.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	197.00	
			For Deck Clamp Assembly, Add	130.00	
22 14 26 13-0020	EA		14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top .....	2,174.21	281.13
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	132.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	197.00	
			For Deck Clamp Assembly, Add	130.00	
22 14 26 13-0021	EA		14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top .....	2,213.25	312.33
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	132.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	197.00	
			For Deck Clamp Assembly, Add	130.00	
<b>22 14 26 13-0022</b>			<b>Cast Iron Scupper Drain With L-Shaped Bronze Grate (22 14 26 13-0001)</b>		
22 14 26 13-0023	EA		Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate .....	1,100.18	62.50
			For Vandal Proof Grate, Add	33.00	
22 14 26 13-0024	EA		Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate .....	1,131.41	78.06
			For Vandal Proof Grate, Add	33.00	
22 14 26 13-0025	EA		Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate .....	1,145.61	85.18
			For Vandal Proof Grate, Add	33.00	
22 14 26 13-0026	EA		Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate .....	1,611.57	112.92
			For Galvanized Iron Parts, Add	258.00	
			For Vandal Proof Grate, Add	33.00	
22 14 26 13-0027	EA		Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate .....	1,661.38	137.85
			For Galvanized Iron Parts, Add	258.00	
			For Vandal Proof Grate, Add	33.00	
<b>22 14 26 13-0028</b>			<b>Cast Iron Roof Drain With Flat Cast Iron Grate (22 14 26 13-0001)</b>		
			Note: Grate free area is 27 square inches.		
22 14 26 13-0029	EA		9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top .....	877.05	156.21
			For Deck Clamp Assembly, Add	80.40	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	93.60	
			For Galvanized Iron Parts, Add	144.00	
22 14 26 13-0030	EA		9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top .....	955.14	187.42
			For Deck Clamp Assembly, Add	80.40	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	93.60	
			For Galvanized Iron Parts, Add	144.00	
22 14 26 13-0031	EA		9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top .....	1,033.23	234.27
			For Deck Clamp Assembly, Add	80.40	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	93.60	
			For Galvanized Iron Parts, Add	144.00	
<b>22 14 26 13-0032</b>			<b>Cast Iron Roof Drains With Large Cast Iron Dome (22 14 26 13-0001)</b>		
22 14 26 13-0033	EA		15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome .....	944.08	156.21
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	518.00	
22 14 26 13-0034	EA		15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome .....	1,022.17	187.42
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	518.00	
22 14 26 13-0035	EA		15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome .....	1,100.26	234.27
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	518.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0036	EA		15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome..... For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For Galvanized Iron Parts, Add	1,426.87 357.00 130.00 147.00 518.00	281.13
22 14 26 13-0037	EA		15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome..... For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For Galvanized Iron Parts, Add	1,465.91 357.00 130.00 147.00 518.00	312.33
22 14 26 13-0038	EA		15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome..... For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For Galvanized Iron Parts, Add	1,705.00 357.00 130.00 147.00 518.00	327.98
22 14 26 13-0039	EA		15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome..... For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add For Deck Clamp Assembly, Add For Drain Receiver, Add For Galvanized Iron Parts, Add	2,251.21 357.00 130.00 147.00 518.00	339.70
<b>22 14 26 13-0040</b>			<b>Aluminum Roof Drains (22 14 26 13)</b>		
<b>22 14 26 13-0041</b>			<b>Aluminum Dome Roof Drains (22 14 26 13-0040)</b>		
22 14 26 13-0042	EA		15" Diameter Roof Drain With 2" Outlet, Aluminum Dome..... For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add For Drain Receiver, Add For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add	969.21 357.00 147.00 518.00 130.00	156.21
22 14 26 13-0043	EA		15" Diameter Roof Drain With 3" Outlet, Aluminum Dome..... For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add For Drain Receiver, Add For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add	1,047.30 357.00 147.00 518.00 130.00	187.42
22 14 26 13-0044	EA		15" Diameter Roof Drain With 4" Outlet, Aluminum Dome..... For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add For Drain Receiver, Add For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add	1,125.39 357.00 147.00 518.00 130.00	234.27
22 14 26 13-0045	EA		15" Diameter Roof Drain With 6" Outlet, Aluminum Dome..... For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add For Drain Receiver, Add For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add	1,491.04 357.00 147.00 518.00 130.00	312.05
22 14 26 13-0046	EA		15" Diameter Roof Drain With 8" Outlet, Aluminum Dome..... For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add For Drain Receiver, Add For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add	1,730.32 357.00 147.00 518.00 130.00	327.98
22 14 26 13-0047	EA		15" Diameter Roof Drain With 10" Outlet, Aluminum Dome..... For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add For Drain Receiver, Add For Galvanized Iron Parts, Add For Deck Clamp Assembly, Add	2,276.34 357.00 147.00 518.00 130.00	339.70
<b>22 14 26 13-0048</b>			<b>Retrofit Roof Drains (22 14 26 13)</b>		
<b>22 14 26 13-0049</b>			<b>Copolymer Retrofit Roof Drains With Copolymer Strainer Dome (22 14 26 13-0048)</b>		
22 14 26 13-0050	EA		Copolymer Retrofit 3" Roof Drains, With Copolymer Dome.....	660.15	187.42
22 14 26 13-0051	EA		Copolymer Retrofit 4" Roof Drains, With Copolymer Dome.....	748.61	234.27
22 14 26 13-0052	EA		Copolymer Retrofit 5" Roof Drains, With Copolymer Dome.....	907.25	281.13
22 14 26 13-0053	EA		Copolymer Retrofit 6" Roof Drains, With Copolymer Dome.....	987.79	312.05
<b>22 14 26 13-0054</b>			<b>Copolymer Retrofit Roof Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)</b>		
22 14 26 13-0055	EA		Copolymer Retrofit Drain, 3", With Cast Aluminum Dome.....	753.51	187.42
22 14 26 13-0056	EA		Copolymer Retrofit Drain, 4", With Cast Aluminum Dome.....	837.82	234.27
22 14 26 13-0057	EA		Copolymer Retrofit Drain, 5", With Cast Aluminum Dome.....	1,002.68	281.13
22 14 26 13-0058	EA		Copolymer Retrofit Drain, 6", With Cast Aluminum Dome.....	1,054.17	312.05
<b>22 14 26 13-0059</b>			<b>Aluminum Retrofit Roof Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)</b>		
22 14 26 13-0060	EA		Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome..... For Copolymer Strainer Dome, Deduct	664.30 -24.00	187.42
22 14 26 13-0061	EA		Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome..... For Copolymer Strainer Dome, Deduct	752.76 -24.00	234.27
22 14 26 13-0062	EA		Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome..... For Copolymer Strainer Dome, Deduct	911.40 -24.00	281.13
22 14 26 13-0063	EA		Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome..... For Copolymer Strainer Dome, Deduct	958.74 -24.00	312.05
<b>22 14 26 13-0064</b>			<b>Bronze Downspout Nozzles (22 14 26 13)</b>		
22 14 26 13-0065	EA		2" Outlet, Bronze Roof Drain Downspout Nozzle.....	390.35	93.71
22 14 26 13-0066	EA		3" Outlet, Bronze Roof Drain Downspout Nozzle.....	390.35	93.71

**22 Plumbing****22 10 Plumbing Piping****22 14 Facility Storm Drainage**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 14 26 13-0067	EA	4" Outlet, Bronze Roof Drain Downspout Nozzle .....	390.35	93.71
22 14 26 13-0068	EA	5" Outlet, Bronze Roof Drain Downspout Nozzle .....	599.65	117.14
22 14 26 13-0069	EA	6" Outlet, Bronze Roof Drain Downspout Nozzle .....	599.65	117.14
22 14 26 13-0070	EA	8" Outlet, Bronze Roof Drain Downspout Nozzle .....	769.75	117.14

**22 14 26 16 Facility Area Drains (22 14 26)****22 14 26 16-0001 Area Drain (22 14 26 16)**

22 14 26 16-0002	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	2,304.98	112.83
		<i>For Vandal Proof Screws, Add</i> .....	29.50	
		<i>For Ductile Iron Grate, Add</i> .....	123.50	
		<i>For Primer Tap, Add</i> .....	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i> .....	70.50	
22 14 26 16-0003	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	2,329.30	125.01
		<i>For Vandal Proof Screws, Add</i> .....	29.50	
		<i>For Ductile Iron Grate, Add</i> .....	123.50	
		<i>For Primer Tap, Add</i> .....	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i> .....	70.50	
22 14 26 16-0004	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	2,354.90	137.85
		<i>For Vandal Proof Screws, Add</i> .....	29.50	
		<i>For Ductile Iron Grate, Add</i> .....	123.50	
		<i>For Primer Tap, Add</i> .....	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i> .....	70.50	
22 14 26 16-0005	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	2,381.57	151.15
		<i>For Vandal Proof Screws, Add</i> .....	29.50	
		<i>For Ductile Iron Grate, Add</i> .....	123.50	
		<i>For Primer Tap, Add</i> .....	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i> .....	70.50	
22 14 26 16-0006	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	1,422.80	112.83
		<i>For Vandal Proof Screws, Add</i> .....	29.50	
		<i>For Ductile Iron Grate, Add</i> .....	123.50	
		<i>For Primer Tap, Add</i> .....	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i> .....	70.50	
22 14 26 16-0007	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	1,447.12	125.01
		<i>For Vandal Proof Screws, Add</i> .....	29.50	
		<i>For Ductile Iron Grate, Add</i> .....	123.50	
		<i>For Primer Tap, Add</i> .....	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i> .....	70.50	
22 14 26 16-0008	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	1,472.72	137.85
		<i>For Vandal Proof Screws, Add</i> .....	29.50	
		<i>For Ductile Iron Grate, Add</i> .....	123.50	
		<i>For Primer Tap, Add</i> .....	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i> .....	70.50	
22 14 26 16-0009	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	1,499.39	151.15
		<i>For Vandal Proof Screws, Add</i> .....	29.50	
		<i>For Ductile Iron Grate, Add</i> .....	123.50	
		<i>For Primer Tap, Add</i> .....	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i> .....	70.50	
22 14 26 16-0010	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	2,152.41	112.83
		<i>For Vandal Proof Screws, Add</i> .....	29.50	
		<i>For Ductile Iron Grate, Add</i> .....	123.50	
		<i>For Primer Tap, Add</i> .....	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i> .....	70.50	
22 14 26 16-0011	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	2,176.73	125.01
		<i>For Vandal Proof Screws, Add</i> .....	29.50	
		<i>For Ductile Iron Grate, Add</i> .....	123.50	
		<i>For Primer Tap, Add</i> .....	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i> .....	70.50	
22 14 26 16-0012	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	2,202.33	137.85
		<i>For Vandal Proof Screws, Add</i> .....	29.50	
		<i>For Ductile Iron Grate, Add</i> .....	123.50	
		<i>For Primer Tap, Add</i> .....	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i> .....	70.50	
22 14 26 16-0013	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	2,229.00	151.15
		<i>For Vandal Proof Screws, Add</i> .....	29.50	
		<i>For Ductile Iron Grate, Add</i> .....	123.50	
		<i>For Primer Tap, Add</i> .....	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i> .....	70.50	
22 14 26 16-0014	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	4,636.59	112.83
		<i>For Ductile Iron Grate, Add</i> .....	123.50	
		<i>For Galvanized Cast Iron Parts, Add</i> .....	197.50	
		<i>For Primer Tap, Add</i> .....	36.00	
22 14 26 16-0015	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	4,660.91	125.01
		<i>For Ductile Iron Grate, Add</i> .....	123.50	
		<i>For Galvanized Cast Iron Parts, Add</i> .....	197.50	
		<i>For Primer Tap, Add</i> .....	36.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0016	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,686.51	137.85
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0017	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,713.18	151.15
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0018	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,269.77	112.83
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0019	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,294.09	125.01
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0020	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,319.69	137.85
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0021	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,346.36	151.15
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0022	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,396.00	112.83
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0023	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,420.32	125.01
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0024	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,445.92	137.85
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0025	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,472.59	151.15
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
			<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0026	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,033.55	112.83
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0027	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,057.87	125.01
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0028	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,083.47	137.85
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0029	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	630.60	112.83
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0030	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	654.92	125.01
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0031	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	680.52	137.85
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0032	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	974.87	112.83
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0033	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	999.19	125.01
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0034	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,024.79	137.85
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0035	EA		12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	3,093.27	112.83
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	

**22 Plumbing****22 10 Plumbing Piping****22 14 Facility Storm Drainage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 14 26 16-0036	EA 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	3,117.59	125.01
	For Ductile Iron Gate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
	For Vandal Proof Screws, Add	30.50	
22 14 26 16-0037	EA 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	3,143.19	137.85
	For Ductile Iron Gate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
	For Vandal Proof Screws, Add	30.50	
22 14 26 16-0038	EA 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	2,015.49	112.83
	For Ductile Iron Gate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
	For Vandal Proof Screws, Add	30.50	
22 14 26 16-0039	EA 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	2,039.81	125.01
	For Ductile Iron Gate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
	For Vandal Proof Screws, Add	30.50	
22 14 26 16-0040	EA 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	2,065.41	137.85
	For Ductile Iron Gate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
	For Vandal Proof Screws, Add	30.50	
22 14 26 16-0041	EA 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	2,905.49	112.83
	For Ductile Iron Gate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
	For Vandal Proof Screws, Add	30.50	
22 14 26 16-0042	EA 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	2,929.81	125.01
	For Ductile Iron Gate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
	For Vandal Proof Screws, Add	30.50	
22 14 26 16-0043	EA 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	2,955.41	137.85
	For Ductile Iron Gate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
	For Vandal Proof Screws, Add	30.50	
22 14 26 16-0044	<b>Wash Area Drain</b> (22 14 26 16) Note: Fox Drain DD-400		
22 14 26 16-0045	EA 18.5" x 18.5" Fox Drain DD-400 With 4" Bottom Outlet, Stainless Steel Top, Polyethylene Chamber And Diverter Valve.....	2,688.99	151.15
<b>22 14 26 19</b>	<b>Facility Trench Drains</b> (22 14 26)		
22 14 26 19-0001	<b>Trench Drain</b> (22 14 26 19) Note: Each section is 39.4" in length.		
22 14 26 19-0002	EA 6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	938.83	112.83
	For Vandal Proof Screws, Add	48.50	
	For Galvanized Cast Iron Parts, Add	98.25	
	For Ductile Iron Gate, Add	66.00	
22 14 26 19-0003	EA 6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	963.15	125.01
	For Vandal Proof Screws, Add	48.50	
	For Galvanized Cast Iron Parts, Add	98.25	
	For Ductile Iron Gate, Add	66.00	
22 14 26 19-0004	EA 6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	988.75	137.85
	For Vandal Proof Screws, Add	48.50	
	For Galvanized Cast Iron Parts, Add	98.25	
	For Ductile Iron Gate, Add	66.00	
22 14 26 19-0005	EA 6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	570.53	112.83
	For Vandal Proof Screws, Add	48.50	
	For Galvanized Cast Iron Parts, Add	98.25	
	For Ductile Iron Gate, Add	66.00	
22 14 26 19-0006	EA 6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	594.85	125.01
	For Vandal Proof Screws, Add	48.50	
	For Galvanized Cast Iron Parts, Add	98.25	
	For Ductile Iron Gate, Add	66.00	
22 14 26 19-0007	EA 6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	620.45	137.85
	For Vandal Proof Screws, Add	48.50	
	For Galvanized Cast Iron Parts, Add	98.25	
	For Ductile Iron Gate, Add	66.00	
22 14 26 19-0008	EA 6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	888.64	112.83
	For Vandal Proof Screws, Add	48.50	
	For Galvanized Cast Iron Parts, Add	98.25	
	For Ductile Iron Gate, Add	66.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0009	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	912.96	125.01
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
			<i>For Ductile Iron Grate, Add</i>	66.00	
22 14 26 19-0010	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	938.56	137.85
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
			<i>For Ductile Iron Grate, Add</i>	66.00	
22 14 26 19-0011	EA		6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	825.51	56.23
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
			<i>For Ductile Iron Grate, Add</i>	66.00	
22 14 26 19-0012	EA		6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	457.21	56.23
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
			<i>For Ductile Iron Grate, Add</i>	66.00	
22 14 26 19-0013	EA		6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	775.32	56.23
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
			<i>For Ductile Iron Grate, Add</i>	66.00	
22 14 26 19-0014	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,490.06	112.83
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0015	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,514.38	125.01
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0016	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,539.98	137.85
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0017	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,034.34	112.83
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0018	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,058.66	125.01
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0019	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,084.26	137.85
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0020	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,427.73	112.83
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0021	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,452.05	125.01
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	

**22 Plumbing****22 10 Plumbing Piping****22 14 Facility Storm Drainage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0022	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,477.65	137.85
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0023	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,247.23	112.83
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0024	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,271.55	125.01
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0025	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,297.15	137.85
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0026	EA		12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,376.73	56.23
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Vandal Proof Screws, Add</i>	48.50	
22 14 26 19-0027	EA		12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	921.01	56.23
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Vandal Proof Screws, Add</i>	48.50	
22 14 26 19-0028	EA		12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,314.40	56.23
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Vandal Proof Screws, Add</i>	48.50	
22 14 26 19-0029	EA		12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,133.90	56.23
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Vandal Proof Screws, Add</i>	48.50	

**22 14 29 Sump Pumps (22 14)**

See CSI section 22 11 16 00-0000 for pipe extensions into well.

**22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps (22 14 29)****22 14 29 13-0001 Vertical Mounted Sump Pumps (22 14 29 13)**

Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.

22 14 29 13-0002	EA		1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head .....	5,709.32	271.92
			<i>For Explosion Proof Motor, Add</i>	250.06	
22 14 29 13-0003	EA		1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head .....	6,021.83	329.12
			<i>For Explosion Proof Motor, Add</i>	277.99	
22 14 29 13-0004	EA		2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head .....	6,873.93	391.01
			<i>For Explosion Proof Motor, Add</i>	359.13	
22 14 29 13-0005	EA		3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head .....	7,310.89	481.03
			<i>For Explosion Proof Motor, Add</i>	407.01	
22 14 29 13-0006	EA		5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head .....	7,715.19	521.35
			<i>For Explosion Proof Motor, Add</i>	594.55	
22 14 29 13-0007	EA		10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head .....	9,146.37	625.43
			<i>For Explosion Proof Motor, Add</i>	674.36	
22 14 29 13-0008	EA		15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head .....	10,696.66	636.36
			<i>For Explosion Proof Motor, Add</i>	1,105.31	
22 14 29 13-0009	EA		20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head .....	12,954.60	793.79
			<i>For Explosion Proof Motor, Add</i>	1,467.10	
22 14 29 13-0010	EA		30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head .....	13,960.89	925.76
			<i>For Explosion Proof Motor, Add</i>	1,902.04	
22 14 29 13-0011	EA		50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head .....	18,796.50	1,111.30
			<i>For Explosion Proof Motor, Add</i>	2,477.98	
22 14 29 13-0012	EA		60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head .....	26,168.34	1,234.33
			<i>For Explosion Proof Motor, Add</i>	3,927.79	

**22 14 29 13-0013 Extra Column Assemblies (22 14 29 13)**

22 14 29 13-0014	EA		1-1/2" Diameter x 5' Long Extra Column Assembly .....	911.91	
22 14 29 13-0015	EA		2" Diameter x 5' Long Extra Column Assembly .....	997.85	
22 14 29 13-0016	EA		2-1/2" Diameter x 5' Long Extra Column Assembly .....	1,091.88	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 14 29 13-0017	EA	3" Diameter x 5' Long Extra Column Assembly.....	1,311.02	
22 14 29 13-0018	EA	4" Diameter x 5' Long Extra Column Assembly.....	1,465.37	
22 14 29 13-0019	EA	5" Diameter x 5' Long Extra Column Assembly.....	1,492.04	
22 14 29 13-0020	EA	6" Diameter x 5' Long Extra Column Assembly.....	1,674.98	
22 14 29 13-0021	EA	8" Diameter x 5' Long Extra Column Assembly.....	1,832.81	

**22 14 29 13-0022 Support Plate** (22 14 29 13)

22 14 29 13-0023	EA	24" Steel Support Plate, Round Or Square.....	578.77	37.48
22 14 29 13-0024	EA	30" Steel Support Plate, Round Or Square.....	640.85	42.17
22 14 29 13-0025	EA	36" Steel Support Plate, Round Or Square.....	888.50	56.23
22 14 29 13-0026	EA	40" Steel Support Plate, Round Or Square.....	1,284.07	65.60
22 14 29 13-0027	EA	42" Steel Support Plate, Round Or Square.....	1,375.78	67.94
22 14 29 13-0028	EA	48" Steel Support Plate, Round Or Square.....	1,470.32	70.29
22 14 29 13-0029	EA	54" Steel Support Plate, Round Or Square.....	1,871.39	84.34
22 14 29 13-0030	EA	60" Steel Support Plate, Round Or Square.....	2,528.10	93.71
22 14 29 13-0031	EA	72" Steel Support Plate, Round Or Square.....	3,373.24	117.14
22 14 29 13-0032	EA	84" Steel Support Plate, Round Or Square.....	4,068.56	128.85

**22 14 29 16 Submersible Sump Pumps** (22 14 29)

**22 14 29 16-0001 Submersible Sump Pump With Vortex Impeller** (22 14 29 16)

**22 14 29 16-0002 Submersible Sump Pump With Cast Iron Vortex Impeller** (22 14 29 16-0001)

22 14 29 16-0003	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	388.84	61.05
22 14 29 16-0004	EA	1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	427.52	61.05
22 14 29 16-0005	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	656.14	64.61
22 14 29 16-0006	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	717.34	64.61

**22 14 29 16-0007 Submersible Sump Pump With Bronze Vortex Impeller** (22 14 29 16-0001)

Note: Includes 20' of cord with pump.

22 14 29 16-0008	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,082.83	64.61
22 14 29 16-0009	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,175.05	64.61
22 14 29 16-0010	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,236.19	71.22
22 14 29 16-0011	EA	1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,334.79	71.22
22 14 29 16-0012	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,378.07	81.40
22 14 29 16-0013	EA	1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,474.96	81.40
22 14 29 16-0014	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,484.21	96.66
22 14 29 16-0015	EA	2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,568.36	96.66

**22 14 29 16-0016 Submersible Sump Pump With Semi-Open Impeller** (22 14 29 16)

Note: Includes 20' of cord with pump.

22 14 29 16-0017	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	903.87	61.05
22 14 29 16-0018	EA	1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	932.36	61.05
22 14 29 16-0019	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,158.91	64.61
22 14 29 16-0020	EA	1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,178.93	64.61
22 14 29 16-0021	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,410.09	68.17
22 14 29 16-0022	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,410.09	68.17
22 14 29 16-0023	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,491.10	71.22
22 14 29 16-0024	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,491.10	71.22
22 14 29 16-0025	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,701.81	81.40
22 14 29 16-0026	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,701.81	81.40
22 14 29 16-0027	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,979.67	96.66
22 14 29 16-0028	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,945.02	96.66

**22 14 29 19 Sump-Pump Basins and Pits** (22 14 29)

See CSI section 22 13 29 33-0000 for basins and pits.

**22 15 General Service Compressed-Air Systems** (22 10)

**22 Plumbing****22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
<b>22 15 13 General Service Compressed-Air Piping (22 15)</b>					
<b>22 15 13 00-0001 Quick Disconnect, Air-Service (22 15 13)</b>					
<b>22 15 13 00-0002 Combination Steel And Brass (22 15 13 00-0001)</b>					
22 15 13 00-0003	EA	1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	47.57		14.24
22 15 13 00-0004	EA	3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	52.89		17.29
<b>22 15 13 00-0005 Refrigerated Air Dryers With Ambient Air Filters (22 15 13)</b>					
22 15 13 00-0006	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	639.25		79.76
22 15 13 00-0007	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	725.85		81.99
22 15 13 00-0008	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	922.10		84.20
22 15 13 00-0009	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,072.20		88.63
22 15 13 00-0010	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,192.97		99.71
22 15 13 00-0011	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,324.75		113.45
22 15 13 00-0012	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,875.07		144.02
22 15 13 00-0013	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,109.85		168.40
22 15 13 00-0014	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,293.27		179.92
22 15 13 00-0015	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,492.95		199.41
22 15 13 00-0016	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,807.26		221.57
22 15 13 00-0017	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,124.30		243.74
22 15 13 00-0018	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,290.36		270.32
22 15 13 00-0019	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,833.77		288.05
22 15 13 00-0020	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,612.44		299.13
22 15 13 00-0021	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,441.82		310.21
22 15 13 00-0022	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	6,044.52		321.28
22 15 13 00-0023	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	6,579.81		332.36
22 15 13 00-0024	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	7,351.85		354.52
22 15 13 00-0025	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	8,595.35		443.15
22 15 13 00-0026	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	10,866.74		531.77
22 15 13 00-0027	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	12,110.25		620.40
22 15 13 00-0028	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	14,245.95		709.04
<b>22 15 13 00-0029 Oil And Water Separator For Air Compressor (22 15 13)</b>					
22 15 13 00-0030	EA	0-60 SCFM Oil/Water Separator	591.26		32.58
22 15 13 00-0031	EA	85 SCFM Oil/Water Separator	791.75		38.17
22 15 13 00-0032	EA	190 SCFM Oil/Water Separator	925.27		43.27
22 15 13 00-0033	EA	245 SCFM Oil/Water Separator	1,161.20		50.90
22 15 13 00-0034	EA	320 SCFM Oil/Water Separator	1,380.28		61.07
22 15 13 00-0035	EA	700 SCFM Oil/Water Separator	2,783.06		127.25
<b>22 15 13 00-0036 Heavy Duty Industrial Pressure Regulator (22 15 13)</b>					
22 15 13 00-0037	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	103.89		26.58
22 15 13 00-0038	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	144.92		35.45
22 15 13 00-0039	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	245.96		44.31
22 15 13 00-0040	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	309.46		66.47
22 15 13 00-0041	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	431.04		77.55
22 15 13 00-0042	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	453.20		88.63
<b>22 15 13 00-0043 Combination Air System; Filter Regulator Lubricator (22 15 13)</b>					
22 15 13 00-0044	EA	3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	392.51		79.76
22 15 13 00-0045	EA	1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	486.80		106.36
<b>22 15 13 00-0046 Heatless Desiccant Air Dryers (22 15 13)</b>					
22 15 13 00-0047	EA	5 SCFM Heatless Desiccant Air Dryer	2,273.81		79.76
22 15 13 00-0048	EA	10 SCFM Heatless Desiccant Air Dryer	2,733.24		88.63
22 15 13 00-0049	EA	15 SCFM Heatless Desiccant Air Dryer	2,760.56		97.49
22 15 13 00-0050	EA	20 SCFM Heatless Desiccant Air Dryer	3,153.13		110.78
22 15 13 00-0051	EA	30 SCFM Heatless Desiccant Air Dryer	4,341.76		132.94
22 15 13 00-0052	EA	50 SCFM Heatless Desiccant Air Dryer	4,291.97		177.26
22 15 13 00-0053	EA	85 SCFM Heatless Desiccant Air Dryer	5,763.43		221.57
22 15 13 00-0054	EA	100 SCFM Heatless Desiccant Air Dryer	6,119.03		265.89
22 15 13 00-0055	EA	125 SCFM Heatless Desiccant Air Dryer	7,005.83		310.21
22 15 13 00-0056	EA	175 SCFM Heatless Desiccant Air Dryer	8,044.64		354.52
22 15 13 00-0057	EA	200 SCFM Heatless Desiccant Air Dryer	8,646.52		398.83
22 15 13 00-0058	EA	300 SCFM Heatless Desiccant Air Dryer	10,568.87		443.15
22 15 13 00-0059	EA	400 SCFM Heatless Desiccant Air Dryer	11,743.86		531.77
22 15 13 00-0060	EA	500 SCFM Heatless Desiccant Air Dryer	13,573.94		620.40
22 15 13 00-0061	EA	600 SCFM Heatless Desiccant Air Dryer	15,661.68		709.04
<b>22 15 13 00-0062 Air Cooled Aftercoolers (22 15 13)</b>					
22 15 13 00-0063	EA	20 SCFM Air-Cooled Aftercooler	576.78		55.39
22 15 13 00-0064	EA	35 SCFM Air-Cooled Aftercooler	778.45		66.47
22 15 13 00-0065	EA	43 SCFM Air-Cooled Aftercooler	855.43		77.55
22 15 13 00-0066	EA	70 SCFM Air-Cooled Aftercooler	1,044.79		88.63
22 15 13 00-0067	EA	125 SCFM Air-Cooled Aftercooler	1,453.42		99.71
22 15 13 00-0068	EA	185 SCFM Air-Cooled Aftercooler	1,631.81		110.78
22 15 13 00-0069	EA	260 SCFM Air-Cooled Aftercooler	3,152.71		132.94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 15 13 00-0070	EA		365 SCFM Air-Cooled Aftercooler.....	3,297.35	155.10
22 15 13 00-0071	EA		560 SCFM Air-Cooled Aftercooler.....	3,440.89	177.26
22 15 13 00-0072	EA		650 SCFM Air-Cooled Aftercooler.....	4,034.49	199.41
22 15 13 00-0073	EA		750 SCFM Air-Cooled Aftercooler.....	4,411.02	221.57
22 15 13 00-0074	EA		900 SCFM Air-Cooled Aftercooler.....	5,057.26	243.74
22 15 13 00-0075	EA		1,100 SCFM Air-Cooled Aftercooler.....	6,488.52	265.89
22 15 13 00-0076	EA		1,460 SCFM Air-Cooled Aftercooler.....	7,420.37	288.05
22 15 13 00-0077	EA		1,800 SCFM Air-Cooled Aftercooler.....	7,663.40	310.21
22 15 13 00-0078	EA		2,500 SCFM Air-Cooled Aftercooler.....	8,217.56	332.36

**22 15 13 00-0079 Compressed Air Coalescing Filters (22 15 13)**

**22 15 13 00-0080 1.0 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0079)**

22 15 13 00-0081	EA		10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	203.22	33.08
22 15 13 00-0082	EA		20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	241.59	33.08
22 15 13 00-0083	EA		50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating.....	264.11	38.17
22 15 13 00-0084	EA		75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	304.08	43.77
22 15 13 00-0085	EA		100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	354.36	48.35
22 15 13 00-0086	EA		140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating.....	402.12	58.53
22 15 13 00-0087	EA		175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating.....	488.30	63.62
22 15 13 00-0088	EA		250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating.....	525.48	76.35
22 15 13 00-0089	EA		280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	675.05	101.80
22 15 13 00-0090	EA		350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	771.76	114.52

**22 15 13 00-0091 0.01 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0079)**

22 15 13 00-0092	EA		16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating.....	247.09	33.08
22 15 13 00-0093	EA		30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	268.20	38.17
22 15 13 00-0094	EA		60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating.....	307.92	43.77
22 15 13 00-0095	EA		100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating.....	362.04	43.27
22 15 13 00-0096	EA		140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	410.90	58.53
22 15 13 00-0097	EA		180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	465.76	63.62
22 15 13 00-0098	EA		250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	535.34	76.35
22 15 13 00-0099	EA		280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	691.50	101.80
22 15 13 00-0100	EA		350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	793.69	114.52

**22 15 13 00-0101 Compressed Air Storage Tanks (22 15 13)**

**22 15 13 00-0102 Horizontal Compressed Air Storage Tanks (22 15 13 00-0101)**

22 15 13 00-0103	EA		12 Gallon Horizontal Compressed Air Storage Tank, ASME.....	333.68	70.91
22 15 13 00-0104	EA		15 Gallon Horizontal Compressed Air Storage Tank, ASME.....	539.76	77.55
22 15 13 00-0105	EA		20 Gallon Horizontal Compressed Air Storage Tank, ASME.....	571.78	81.54
22 15 13 00-0106	EA		30 Gallon Horizontal Compressed Air Storage Tank, ASME.....	651.11	88.63
22 15 13 00-0107	EA		60 Gallon Horizontal Compressed Air Storage Tank, ASME.....	850.66	119.65
22 15 13 00-0108	EA		80 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,024.85	132.94
22 15 13 00-0109	EA		120 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,529.33	155.10
22 15 13 00-0110	EA		200 Gallon Horizontal Compressed Air Storage Tank, ASME.....	2,270.83	177.26
22 15 13 00-0111	EA		240 Gallon Horizontal Compressed Air Storage Tank, ASME.....	2,530.04	188.33
22 15 13 00-0112	EA		325 Gallon Horizontal Compressed Air Storage Tank, ASME.....	3,644.36	199.41
22 15 13 00-0113	EA		400 Gallon Horizontal Compressed Air Storage Tank, ASME.....	4,796.03	232.66
22 15 13 00-0114	EA		660 Gallon Horizontal Compressed Air Storage Tank, ASME.....	6,888.73	276.97

**22 15 13 00-0115 Vertical Compressed Air Storage Tanks (22 15 13 00-0101)**

22 15 13 00-0116	EA		10 Gallon Vertical Compressed Air Storage Tank, ASME.....	502.43	70.91
22 15 13 00-0117	EA		15 Gallon Vertical Compressed Air Storage Tank, ASME.....	527.74	77.55
22 15 13 00-0118	EA		20 Gallon Vertical Compressed Air Storage Tank, ASME.....	571.78	81.54
22 15 13 00-0119	EA		30 Gallon Vertical Compressed Air Storage Tank, ASME.....	674.91	88.63
22 15 13 00-0120	EA		60 Gallon Vertical Compressed Air Storage Tank, ASME.....	922.06	119.65
22 15 13 00-0121	EA		80 Gallon Vertical Compressed Air Storage Tank, ASME.....	1,059.24	132.94
22 15 13 00-0122	EA		120 Gallon Vertical Compressed Air Storage Tank, ASME.....	1,454.56	155.10
22 15 13 00-0123	EA		200 Gallon Vertical Compressed Air Storage Tank, ASME.....	2,116.73	177.26
22 15 13 00-0124	EA		240 Gallon Vertical Compressed Air Storage Tank, ASME.....	2,333.62	188.33
22 15 13 00-0125	EA		325 Gallon Vertical Compressed Air Storage Tank, ASME.....	3,163.55	199.41
22 15 13 00-0126	EA		400 Gallon Vertical Compressed Air Storage Tank, ASME.....	4,049.81	232.66
22 15 13 00-0127	EA		500 Gallon Vertical Compressed Air Storage Tank, ASME.....	5,272.14	254.81
22 15 13 00-0128	EA		660 Gallon Vertical Compressed Air Storage Tank, ASME.....	8,738.01	288.05

**22 15 19 General Service Packaged Air Compressors and Receivers (22 15)**

Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

**22 15 19 13 General Service Packaged Reciprocating Air Compressors (22 15 19)**

**22 15 19 13-0001 Single Stage Compressor (22 15 19 13)**

Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.

22 15 19 13-0002	EA		1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	2,542.17	314.46
22 15 19 13-0003	EA		3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	2,655.67	362.94
22 15 19 13-0004	EA		1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	3,030.34	428.62
22 15 19 13-0005	EA		2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	3,452.56	472.93
22 15 19 13-0006	EA		3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	4,224.20	499.51
22 15 19 13-0007	EA		3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure.....	4,513.59	517.24
22 15 19 13-0008	EA		5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure.....	5,068.40	591.16

**22 Plumbing****22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure.....	5,436.46	626.61
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure.....	6,523.29	709.39

**22 15 19 13-0011 Two Stage Compressor** (22 15 19 13)

Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.

22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure .....	4,861.35	552.69
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure .....	5,218.15	650.27
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure .....	5,453.97	709.39
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure .....	6,225.79	945.85
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure .....	6,712.87	945.85
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure .....	7,205.26	1,182.32
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure .....	7,647.03	1,182.32
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure .....	9,805.16	1,462.38
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure .....	10,520.01	1,506.70
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure .....	11,364.46	1,760.89
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure .....	17,141.05	1,993.28
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure.....	18,411.51	2,252.34
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure.....	20,522.09	2,489.33
22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure .....	22,325.35	2,728.19

**22 15 19 19 General Service Packaged Rotary-Screw Air Compressors** (22 15 19)**22 15 19 19-0001 Rotary Screw Air Compressor, Base Mounted Without Receiver** (22 15 19 19)

Note: Oil flooded.

22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated .....	8,330.69	812.33
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated.....	9,292.93	1,083.11
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	11,915.77	1,357.96
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	13,779.37	1,730.54
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	15,765.58	2,035.92
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	19,133.78	2,290.42
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	20,968.22	2,544.91
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	25,224.52	2,850.29
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	27,729.68	3,053.89
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	31,130.87	3,291.08
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	40,497.11	3,562.88
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	44,939.27	3,766.46
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated .....	72,187.97	4,071.85
22 15 19 19-0015	EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated .....	90,082.24	4,402.69
22 15 19 19-0016	EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated .....	104,653.31	4,738.62
22 15 19 19-0017	EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated .....	136,202.60	5,089.82
22 15 19 19-0018	EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	154,757.81	5,415.56

**22 15 19 19-0019 Rotary Screw Air Compressor, Base Mounted With Receiver** (22 15 19 19)

Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated .....	10,396.22	1,083.11
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated .....	11,048.69	1,083.11
22 15 19 19-0022	EA	7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated .....	12,434.56	1,357.96
22 15 19 19-0023	EA	7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated .....	13,148.20	1,357.96
22 15 19 19-0024	EA	10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated .....	14,064.82	1,730.54
22 15 19 19-0025	EA	10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated .....	14,819.23	1,730.54
22 15 19 19-0026	EA	15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated .....	16,001.19	2,035.92
22 15 19 19-0027	EA	15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated .....	16,816.77	2,035.92
22 15 19 19-0028	EA	20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated .....	27,724.55	2,290.42
22 15 19 19-0029	EA	25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated .....	29,864.84	2,544.91
22 15 19 19-0030	EA	30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated .....	31,801.26	2,850.29

**22 30 Plumbing Equipment** (22)**22 31 Domestic Water Softeners** (22 30)**22 31 13 Residential Domestic Water Softeners** (22 31)

See CSI section 11 30 13 13-0109 for residential water softener.

**22 31 16 Commercial Domestic Water Softeners** (22 31)**22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water)** (22 31 16)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 31 16 00-0002	<b>Commercial Water Softeners (Watts Pure Water)</b> <small>(22 31 16 00-0001)</small>	
22 31 16 00-0003	<b>1" Pipe Connection, Commercial Water Softeners (Watts Pure Water)</b> <small>(22 31 16 00-0002)</small>	
	Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.	
22 31 16 00-0004	EA 30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11).....	3,644.78 257.70
22 31 16 00-0005	EA 45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11).....	3,809.76 269.41
22 31 16 00-0006	EA 60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11).....	4,111.72 281.13
22 31 16 00-0007	EA 90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11).....	4,731.81 292.84
22 31 16 00-0008	EA 120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11).....	5,042.90 304.56
22 31 16 00-0009	<b>1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water)</b> <small>(22 31 16 00-0002)</small>	
	Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.	
22 31 16 00-0010	EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11).....	5,455.71 281.13
22 31 16 00-0011	EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11).....	5,737.90 292.84
22 31 16 00-0012	EA 120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11).....	6,050.51 304.56
22 31 16 00-0013	EA 150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11).....	7,188.10 316.27
22 31 16 00-0014	EA 210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11).....	7,989.29 327.98
22 31 16 00-0015	EA 300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11).....	9,725.05 339.70
22 31 16 00-0016	<b>2" Pipe Connection, Commercial Water Softeners (Watts Pure Water)</b> <small>(22 31 16 00-0002)</small>	
	Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.	
22 31 16 00-0017	EA 90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11).....	8,279.75 292.84
22 31 16 00-0018	EA 120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11).....	8,581.71 304.56
22 31 16 00-0019	EA 150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11).....	9,722.34 316.27
22 31 16 00-0020	EA 210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11).....	10,523.54 327.98
22 31 16 00-0021	EA 300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11).....	12,353.67 339.70
22 31 16 00-0022	EA 450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11).....	16,290.34 351.41
22 31 16 00-0023	EA 600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11).....	19,055.02 363.12
22 31 16 00-0024	<b>3" Pipe Connection, Commercial Water Softeners (Watts Pure Water)</b> <small>(22 31 16 00-0002)</small>	
	Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.	
22 31 16 00-0025	EA 300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11).....	20,000.55 339.70
22 31 16 00-0026	EA 450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11).....	23,104.65 351.41
22 31 16 00-0027	EA 600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11).....	25,832.79 363.12
22 31 16 00-0028	EA 900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11).....	32,521.36 374.84
22 31 16 00-0029	EA 1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11).....	36,009.02 386.55
22 31 16 00-0030	<b>Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water)</b> <small>(22 31 16 00-0001)</small>	
22 31 16 00-0031	<b>2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water)</b> <small>(22 31 16 00-0030)</small>	
	Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.	
22 31 16 00-0032	EA 90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21).....	13,587.81 439.26
22 31 16 00-0033	EA 120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21).....	14,190.69 456.83
22 31 16 00-0034	EA 150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21).....	16,157.33 474.40
22 31 16 00-0035	EA 210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21).....	17,664.32 491.98
22 31 16 00-0036	EA 300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21).....	21,559.42 509.54

**22 Plumbing****22 30 Plumbing Equipment****22 31 Domestic Water Softeners**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 31 16 00-0037	EA	450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21).....	28,556.51		527.12
22 31 16 00-0038	EA	600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21).....	33,608.40		544.69
<b>22 31 16 00-0039</b>		<b>3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0039)</b> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.			
22 31 16 00-0040	EA	300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21).....	36,725.33		509.54
22 31 16 00-0041	EA	450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21).....	42,188.17		527.12
22 31 16 00-0042	EA	600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21).....	47,409.00		544.69
22 31 16 00-0043	EA	900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21).....	60,319.34		562.25
22 31 16 00-0044	EA	1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21).....	67,345.35		579.83
<b>22 31 16 00-0045</b>		<b>Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045)</b>			
<b>22 31 16 00-0046</b>		<b>1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0046)</b> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.			
22 31 16 00-0047	EA	30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	4,794.41		386.55
22 31 16 00-0048	EA	45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21).....	5,112.65		404.13
22 31 16 00-0049	EA	60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21).....	5,575.50		421.69
22 31 16 00-0050	EA	90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21).....	6,688.27		439.26
22 31 16 00-0051	EA	120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	7,396.17		456.83
<b>22 31 16 00-0052</b>		<b>1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0052)</b> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.			
22 31 16 00-0053	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	9,370.02		421.69
22 31 16 00-0054	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21).....	9,880.05		439.26
22 31 16 00-0055	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21).....	10,633.61		456.83
22 31 16 00-0056	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21).....	12,169.51		474.40
22 31 16 00-0057	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	13,728.24		491.98
22 31 16 00-0058	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	17,183.47		509.54
<b>22 32 Domestic Water Filtration Equipment (22 30)</b>					
<b>22 32 16 Domestic-Water Freestanding Cartridge Filters (22 32)</b>					
<b>22 32 16 00-0001</b>		<b>Commercial Water Filters Housings (22 32 16)</b>			
<b>22 32 16 00-0002</b>		<b>Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0001)</b>			
<b>22 32 16 00-0003</b>		<b>Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0002)</b>			
22 32 16 00-0004	EA	25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1).....	1,890.96		165.42
22 32 16 00-0005	EA	30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1).....	1,930.11		178.15
22 32 16 00-0006	EA	60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2).....	2,054.49		190.87
22 32 16 00-0007	EA	90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3).....	2,273.24		203.60
22 32 16 00-0008	EA	120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4).....	2,342.83		216.31
22 32 16 00-0009	EA	150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4).....	2,834.03		229.04
22 32 16 00-0010	EA	250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3).....	7,891.44		241.76
22 32 16 00-0011	EA	300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4).....	9,175.65		254.49
22 32 16 00-0012	EA	500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3).....	11,639.45		267.21
22 32 16 00-0013	EA	600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4).....	12,908.43		279.94



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 32 16 00-0014</b>	<b>Commercial Water Filter Cartridges</b> (22 32 16 00-0002)		
<b>22 32 16 00-0015</b>	<b>(Depth) Water Filter Cartridges</b> (22 32 16 00-0014)		
22 32 16 00-0016	EA 50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50) .....	9.78	2.04
22 32 16 00-0017	EA 20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20) .....	9.78	2.04
22 32 16 00-0018	EA 10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10) .....	9.78	2.04
22 32 16 00-0019	EA 5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5) .....	8.26	2.04
22 32 16 00-0020	EA 1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1) .....	10.16	2.04
22 32 16 00-0021	EA 50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50) .....	10.16	2.04
22 32 16 00-0022	EA 20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20) .....	10.92	2.04
22 32 16 00-0023	EA 5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5) .....	13.58	2.04
22 32 16 00-0024	EA 1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1) .....	10.92	2.04
22 32 16 00-0025	EA 50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50) .....	12.82	2.04
22 32 16 00-0026	EA 20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20) .....	12.82	2.04
22 32 16 00-0027	EA 5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5) .....	12.82	2.04
22 32 16 00-0028	EA 1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1) .....	13.96	2.04
22 32 16 00-0029	EA 50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50) .....	18.15	2.04
22 32 16 00-0030	EA 20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20) .....	16.63	2.04
22 32 16 00-0031	EA 5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5) .....	16.63	2.04
22 32 16 00-0032	EA 1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1) .....	18.15	2.04

<b>22 32 16 00-0033</b>	<b>Pleated Water Filter Cartridges</b> (22 32 16 00-0014)		
22 32 16 00-0034	EA 50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50) .....	17.01	2.04
22 32 16 00-0035	EA 20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20) .....	17.01	2.04
22 32 16 00-0036	EA 5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5) .....	17.39	2.04
22 32 16 00-0037	EA 1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1) .....	18.53	2.04
22 32 16 00-0038	EA 1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB) .....	27.66	2.04
22 32 16 00-0039	EA 50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50) .....	26.52	2.04
22 32 16 00-0040	EA 20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20) .....	26.52	2.04
22 32 16 00-0041	EA 5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5) .....	26.52	2.04
22 32 16 00-0042	EA 1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1) .....	34.89	2.04
22 32 16 00-0043	EA 1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB) .....	49.35	2.04
22 32 16 00-0044	EA 50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50) .....	41.36	2.04
22 32 16 00-0045	EA 20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20) .....	57.34	2.04
22 32 16 00-0046	EA 5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5) .....	59.63	2.04
22 32 16 00-0047	EA 1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1) .....	67.24	2.04

<b>22 32 16 00-0048</b>	<b>Commercial Non-Metallic Water Filter Housings</b> (22 32 16 00-0001)		
<b>22 32 16 00-0049</b>	<b>Commercial Non-Metallic Water Filter Housings</b> (22 32 16 00-0048)		
22 32 16 00-0050	EA 150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG) .....	1,493.37	152.70

<b>22 32 16 00-0051</b>	<b>Commercial Water Filter Cartridges</b> (22 32 16 00-0048)		
<b>22 32 16 00-0052</b>	<b>Carbon Water Filter Cartridges</b> (22 32 16 00-0051)		
22 32 16 00-0053	EA Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5) .....	478.19	2.04

<b>22 32 16 00-0054</b>	<b>(Depth) Water Filter Cartridges</b> (22 32 16 00-0051)		
22 32 16 00-0055	EA 50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50) .....	99.58	2.04
22 32 16 00-0056	EA 20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20) .....	98.82	2.04
22 32 16 00-0057	EA 5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5) .....	98.82	2.04
22 32 16 00-0058	EA 1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1) .....	113.28	2.04

<b>22 32 16 00-0059</b>	<b>Pleated Water Filter Cartridges</b> (22 32 16 00-0051)		
22 32 16 00-0060	EA 150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150) .....	262.82	2.04
22 32 16 00-0061	EA 50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50) .....	246.84	2.04
22 32 16 00-0062	EA 20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20) .....	268.91	2.04
22 32 16 00-0063	EA 5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5) .....	281.85	2.04
22 32 16 00-0064	EA 1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1) .....	300.11	2.04
22 32 16 00-0065	EA 1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB) .....	325.23	2.04

<b>22 32 16 00-0066</b>	<b>Water Filter</b> (22 32 16)		
22 32 16 00-0067	EA 0.6 GPM Max Flow Rate, 1,500 Gallon Capacity, 1 Cartridge, Water Filter Housing (3M Cuno FM DWS 1500) .....	364.27	76.35
22 32 16 00-0068	EA 0.5 Micron, Activated Carbon Water Filter Cartridge (3M Cuno 47-5574704) .....	111.88	5.09
22 32 16 00-0069	EA 1,800 Gallon Capacity, Water Metering Valve (Water Minder EV-2000-10) .....	151.56	38.17

<b>22 33</b>	<b>Electric Domestic Water Heaters</b> (22 30)		
<b>22 33 13</b>	<b>Instantaneous Electric Domestic Water Heaters</b> (22 33)		
<b>22 33 13 13</b>	<b>Flow-Control, Instantaneous Electric Domestic Water Heaters</b> (22 33 13)		
<b>22 33 13 13-0001</b>	<b>Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters</b> (22 33 13)		
22 33 13 13-0002	EA 3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95) .....	344.04	50.88

**22 Plumbing****22 30 Plumbing Equipment****22 33 Electric Domestic Water Heaters**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 13	13-0003	EA	7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P)	443.55	50.88
<b>22 33 13 16</b>	<b>Thermostat-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)</b>				
22 33 13 16-0001			Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 16) Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002	EA		3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T)	462.08	76.31
22 33 13 16-0003	EA		12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12)	574.04	101.75
22 33 13 16-0004	EA		17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115)	974.02	178.07
22 33 13 16-0005	EA		26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125)	1,457.15	203.50
22 33 13 16-0006	EA		12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 12 Plus)	904.82	101.75
22 33 13 16-0007	EA		14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 15 Plus)	1,244.40	152.63
22 33 13 16-0008	EA		19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 20 Plus)	1,392.10	203.50
22 33 13 16-0009	EA		24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 24 Plus)	1,440.74	203.50
22 33 13 16-0010	EA		28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 29 Plus)	1,486.69	203.50
22 33 13 16-0011	EA		36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 36 Plus)	1,554.25	203.50
<b>22 33 30</b>	<b>Residential, Electric Domestic Water Heaters (22 33)</b>				
<b>22 33 30 13</b>	<b>Residential, Small-Capacity Electric Domestic Water Heaters (22 33 30)</b>				
22 33 30 13-0001			Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 13) Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002	EA		2 Gallon, Small-Capacity, Electric Domestic Water Heater	677.19	160.26
22 33 30 13-0003	EA		10 Gallon, Small-Capacity, Electric Domestic Water Heater	816.44	170.43
22 33 30 13-0004	EA		20 Gallon, Small-Capacity, Electric Domestic Water Heater	950.62	178.07
<b>22 33 30 16</b>	<b>Residential, Storage Electric Domestic Water Heaters (22 33 30)</b>				
22 33 30 16-0001			Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16) Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0002	EA		30 Gallon, Electric Domestic Water Heater	1,008.74	178.07
22 33 30 16-0003	EA		40 Gallon, Electric Domestic Water Heater	957.82	183.15
22 33 30 16-0004	EA		50 Gallon, Electric Domestic Water Heater	947.18	188.24
22 33 30 16-0005	EA		55 Gallon, Electric Domestic Water Heater	1,046.29	190.79
22 33 30 16-0006	EA		66 Gallon, Electric Domestic Water Heater	1,473.79	195.86
22 33 30 16-0007	EA		80 Gallon, Electric Domestic Water Heater	1,503.91	203.50
22 33 30 16-0008	EA		120 Gallon, Electric Domestic Water Heater	1,969.56	216.21
22 33 30 16-0009			Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16) Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0010	EA		30 Gallon, Low-Boy, Electric Domestic Water Heater	1,075.48	178.07
22 33 30 16-0011	EA		40 Gallon, Low-Boy, Electric Domestic Water Heater	1,032.15	183.15
22 33 30 16-0012	EA		50 Gallon, Low-Boy, Electric Domestic Water Heater	1,089.88	188.24
22 33 30 16-0013			High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) (22 33 30 16) Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0014	EA		40 Gallon, High Efficiency, Electric Domestic Water Heater	1,110.11	183.15
22 33 30 16-0015	EA		50 Gallon, High Efficiency, Electric Domestic Water Heater	1,205.82	188.24
22 33 30 16-0016	EA		66 Gallon, High Efficiency, Electric Domestic Water Heater	1,463.31	195.86
22 33 30 16-0017	EA		80 Gallon, High Efficiency, Electric Domestic Water Heater	1,585.59	203.50
22 33 30 16-0018			Water Heater Accessories (22 33 30 16)		
22 33 30 16-0019	EA		2 Gallon, Expansion Pressure Tank For Water Heaters	82.85	10.18
22 33 30 16-0020	EA		4.4 Gallon, Expansion Pressure Tank For Water Heaters	96.80	10.18
22 33 30 16-0021	EA		7.6 Gallon, Expansion Pressure Tank For Water Heaters	182.95	10.18
22 33 30 16-0022	EA		14 Gallon, Expansion Pressure Tank For Water Heaters	243.58	10.18
22 33 30 16-0023	EA		20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	55.12	7.63
22 33 30 16-0024	EA		22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	59.92	7.63
22 33 30 16-0025	EA		24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	63.12	7.63
22 33 30 16-0026	EA		26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	74.33	7.63
22 33 30 16-0027	EA		22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	31.03	7.63
22 33 30 16-0028	EA		24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	33.59	7.63
22 33 30 16-0029	EA		26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	37.19	7.63

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 33 30 16-0030	EA			28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	41.82	7.63
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**22 33 33 Light-Commercial Electric Domestic Water Heaters (22 33)**

**22 33 33 00-0001 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) (22 33 33)**

Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.

22 33 33 00-0002	EA			Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S).....	1,316.07	178.07
22 33 33 00-0003	EA			Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S).....	1,413.62	178.07
22 33 33 00-0004	EA			Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S).....	1,537.28	203.50
22 33 33 00-0005	EA			Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D).....	2,652.15	203.50
22 33 33 00-0006	EA			Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D).....	3,063.59	254.37
22 33 33 00-0007	EA			Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D).....	3,397.61	305.25
22 33 33 00-0008	EA			Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D).....	4,071.38	457.87

**22 33 33 00-0009 Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE) (22 33 33)**

Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.

22 33 33 00-0010	EA			3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3).....	4,769.08	178.07
22 33 33 00-0011	EA			3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3).....	4,954.89	178.07
22 33 33 00-0012	EA			6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6).....	5,156.19	178.07
22 33 33 00-0013	EA			3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3).....	5,207.07	203.50
22 33 33 00-0014	EA			6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6).....	5,439.34	203.50
22 33 33 00-0015	EA			9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9).....	5,810.96	203.50
22 33 33 00-0016	EA			12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12).....	6,058.71	203.50
22 33 33 00-0017	EA			15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15).....	6,260.01	203.50
22 33 33 00-0018	EA			18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18).....	6,476.79	203.50
22 33 33 00-0019	EA			6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6).....	5,671.60	203.50
22 33 33 00-0020	EA			9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9).....	5,888.38	203.50
22 33 33 00-0021	EA			12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12).....	6,136.13	203.50
22 33 33 00-0022	EA			15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15).....	6,337.43	203.50
22 33 33 00-0023	EA			18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18).....	6,554.21	203.50
22 33 33 00-0024	EA			24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24).....	8,149.10	203.50
22 33 33 00-0025	EA			9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9).....	6,191.43	254.37
22 33 33 00-0026	EA			12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12).....	6,392.73	254.37
22 33 33 00-0027	EA			15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15).....	6,640.48	254.37
22 33 33 00-0028	EA			18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18).....	6,857.26	254.37
22 33 33 00-0029	EA			24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24).....	8,467.63	254.37
22 33 33 00-0030	EA			30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30).....	9,210.88	254.37
22 33 33 00-0031	EA			36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36).....	9,938.64	254.37
22 33 33 00-0032	EA			9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9).....	7,160.30	305.25
22 33 33 00-0033	EA			12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12).....	7,361.60	305.25
22 33 33 00-0034	EA			15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15).....	7,562.90	305.25
22 33 33 00-0035	EA			18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18).....	7,779.68	305.25
22 33 33 00-0036	EA			24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24).....	9,436.50	305.25
22 33 33 00-0037	EA			30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30).....	10,179.75	305.25
22 33 33 00-0038	EA			36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36).....	10,907.52	305.25
22 33 33 00-0039	EA			45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45).....	12,223.69	305.25
22 33 33 00-0040	EA			54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54).....	12,812.09	305.25
22 33 33 00-0041	EA			60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60).....	14,856.02	305.25
22 33 33 00-0042	EA			75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75).....	17,488.36	305.25
22 33 33 00-0043	EA			90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90).....	21,916.89	305.25
22 33 33 00-0044	EA			9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9).....	8,076.08	407.00
22 33 33 00-0045	EA			12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12).....	8,308.35	407.00
22 33 33 00-0046	EA			15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15).....	8,525.13	407.00
22 33 33 00-0047	EA			18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18).....	8,710.94	407.00
22 33 33 00-0048	EA			24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24).....	10,352.28	407.00
22 33 33 00-0049	EA			30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30).....	11,095.53	407.00
22 33 33 00-0050	EA			36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36).....	11,807.81	407.00
22 33 33 00-0051	EA			45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45).....	13,154.95	407.00
22 33 33 00-0052	EA			54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54).....	13,727.87	407.00
22 33 33 00-0053	EA			60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60).....	15,787.29	407.00
22 33 33 00-0054	EA			75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75).....	18,435.11	407.00
22 33 33 00-0055	EA			90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90).....	22,848.15	407.00
22 33 33 00-0056	EA			12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12).....	9,029.47	457.87
22 33 33 00-0057	EA			15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15).....	9,246.25	457.87
22 33 33 00-0058	EA			18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18).....	9,432.07	457.87
22 33 33 00-0059	EA			24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24).....	11,088.89	457.87
22 33 33 00-0060	EA			30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30).....	11,754.72	457.87
22 33 33 00-0061	EA			36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36).....	12,528.94	457.87
22 33 33 00-0062	EA			45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45).....	13,876.07	457.87
22 33 33 00-0063	EA			54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54).....	14,464.48	457.87
22 33 33 00-0064	EA			60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60).....	16,400.02	457.87
22 33 33 00-0065	EA			75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75).....	19,156.24	457.87
22 33 33 00-0066	EA			90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90).....	23,569.28	457.87
22 33 33 00-0067	EA			15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15).....	10,153.19	508.75
22 33 33 00-0068	EA			18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18).....	10,400.94	508.75
22 33 33 00-0069	EA			24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24).....	12,011.31	508.75
22 33 33 00-0070	EA			30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30).....	12,754.56	508.75
22 33 33 00-0071	EA			36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36).....	13,482.32	508.75
22 33 33 00-0072	EA			45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45).....	14,798.49	508.75
22 33 33 00-0073	EA			54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54).....	15,402.38	508.75
22 33 33 00-0074	EA			60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60).....	17,430.83	508.75
22 33 33 00-0075	EA			75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75).....	20,063.17	508.75

**22 Plumbing****22 30 Plumbing Equipment****22 33 Electric Domestic Water Heaters**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0076	EA		90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90)	24,507.18	508.75
22 33 33 00-0077	EA		15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15)	10,914.13	610.50
22 33 33 00-0078	EA		18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18)	11,130.91	610.50
22 33 33 00-0079	EA		24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24)	12,741.28	610.50
22 33 33 00-0080	EA		30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30)	13,453.56	610.50
22 33 33 00-0081	EA		36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36)	14,212.29	610.50
22 33 33 00-0082	EA		45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45)	15,528.46	610.50
22 33 33 00-0083	EA		54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54)	16,085.90	610.50
22 33 33 00-0084	EA		60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60)	18,176.29	610.50
22 33 33 00-0085	EA		75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75)	20,824.11	610.50
22 33 33 00-0086	EA		90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90)	25,221.67	610.50
<b>22 33 33 00-0087</b>			<b>Water Heater Accessories (22 33 33)</b>		
22 33 33 00-0088	EA		Up To 80 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carriage Bolts (2) 3/8" Hex Nuts	36.49	
22 33 33 00-0089	EA		>80 To 120 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carriage Bolts (2) 3/8" Hex Nuts	52.80	
<b>22 33 33 00-0090</b>			<b>Removal And Reinstallation Of Water Heater (22 33 33)</b>		
			Note: Includes storage and cleaning.		
22 33 33 00-0091	EA		Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	339.17	
22 33 33 00-0092	EA		Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	1,017.50	
<b>22 34 Fuel-Fired Domestic Water Heaters (22 30)</b>					
<b>22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34)</b>					
<b>22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)</b>					
<b>22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)</b>					
			Note: Includes vent connection. Excludes vent.		
22 34 13 00-0003	EA		4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	1,390.27	203.50
22 34 13 00-0004	EA		5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	1,498.37	206.04
22 34 13 00-0005	EA		5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	1,639.65	211.13
22 34 13 00-0006	EA		6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	1,902.52	216.21
22 34 13 00-0007	EA		7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	2,295.19	228.93
22 34 13 00-0008	EA		7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	2,342.01	228.93
<b>22 34 13 00-0009 Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)</b>					
22 34 13 00-0010	EA		5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN)	1,493.28	203.50
22 34 13 00-0011	EA		7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN)	2,295.19	228.93
<b>22 34 30 Residential Gas Domestic Water Heaters (22 34)</b>					
<b>22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters (22 34 30)</b>					
<b>22 34 30 13-0001 Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 13)</b>					
			Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0002	EA		30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	1,060.56	195.86
22 34 30 13-0003	EA		40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	1,045.46	200.95
22 34 30 13-0004	EA		50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	1,363.33	206.04
22 34 30 13-0005	EA		65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-65)	1,470.19	211.13
22 34 30 13-0006	EA		75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	1,599.21	216.21
22 34 30 13-0007	EA		100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100)	2,324.83	228.93
<b>22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters (22 34 30)</b>					
<b>22 34 30 16-0001 Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 16)</b>					
			Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 16-0002	EA		40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	1,869.91	200.95
22 34 30 16-0003	EA		50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	2,121.41	206.04
22 34 30 16-0004	EA		75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	2,733.96	211.13
<b>22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters (22 34 30)</b>					
<b>22 34 30 19-0001 Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 19)</b>					
			Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-0002	EA		40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	1,706.92	200.95
22 34 30 19-0003	EA		50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	1,776.56	206.04
<b>22 34 36 Commercial Gas Domestic Water Heaters (22 34)</b>					
<b>22 34 36 13 Commercial, Atmospheric, Gas Domestic Water Heaters (22 34 36)</b>					

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**22 34 36 13-0001**

**Gas Fired Commercial Water Heaters (A.O. Smith BTR)** (22 34 36 13)

Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 13-0002	EA 120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	5,255.31	305.25
22 34 36 13-0003	EA 154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	5,614.48	356.12
22 34 36 13-0004	EA 180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	6,941.74	407.00
22 34 36 13-0005	EA 199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	6,012.81	407.00
22 34 36 13-0006	EA 199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	6,903.80	407.00
22 34 36 13-0007	EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	9,192.38	447.70
22 34 36 13-0008	EA 250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	6,695.43	457.87
22 34 36 13-0009	EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	9,904.82	503.66
22 34 36 13-0010	EA 251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	6,798.38	457.87
22 34 36 13-0011	EA 251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	9,451.37	503.66
22 34 36 13-0012	EA 275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	7,541.11	559.63
22 34 36 13-0013	EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	10,349.29	615.58
22 34 36 13-0014	EA 305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	8,472.54	559.63
22 34 36 13-0015	EA 305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	10,410.56	615.58
22 34 36 13-0016	EA 365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	8,206.68	610.50
22 34 36 13-0017	EA 365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	11,490.68	671.55
22 34 36 13-0018	EA 390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	10,400.38	610.50
22 34 36 13-0019	EA 390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	13,598.64	671.55
22 34 36 13-0020	EA 500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	13,541.52	661.37
22 34 36 13-0021	EA 150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	6,766.46	356.12
22 34 36 13-0022	EA 150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	8,112.26	391.74
22 34 36 13-0023	EA 199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	7,039.78	407.00
22 34 36 13-0024	EA 199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	8,432.53	447.70
22 34 36 13-0025	EA Sidewall Power Vent System For BTR-120 through BTR-200	1,734.25	254.37
22 34 36 13-0026	EA Sidewall Power Vent System For BTR-250 through BTR-500	1,893.57	254.37

**22 34 36 13-0027**

**Removal And Reinstallation Of Water Heater** (22 34 36 13)

Note: Includes storage and cleaning.

22 34 36 13-0028	EA Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	462.50	
22 34 36 13-0029	EA Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon	1,222.95	

**22 34 36 19**

**Commercial, Power-Vent, Gas Domestic Water Heaters** (22 34 36)

**22 34 36 19-0001**

**Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN)** (22 34 36 19)

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0002	EA 90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	4,287.12	305.25
22 34 36 19-0003	EA 120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	6,113.20	305.25
22 34 36 19-0004	EA 154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	7,452.77	356.12
22 34 36 19-0005	EA 180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	7,762.86	407.00
22 34 36 19-0006	EA 199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	7,799.63	407.00
22 34 36 19-0007	EA 199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	7,971.21	407.00
22 34 36 19-0008	EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	9,351.70	447.70
22 34 36 19-0009	EA 250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	8,796.04	457.87
22 34 36 19-0010	EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	10,811.74	503.66
22 34 36 19-0011	EA 275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275)	9,232.39	559.63
22 34 36 19-0012	EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	11,305.22	615.58
22 34 36 19-0013	EA 310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)	9,428.48	559.63
22 34 36 19-0014	EA 310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A)	11,427.78	615.58
22 34 36 19-0015	EA 366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366)	10,571.96	610.50
22 34 36 19-0016	EA 366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A)	12,422.10	671.55
22 34 36 19-0017	EA 390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400)	12,790.23	610.50
22 34 36 19-0018	EA 390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A)	14,750.67	671.55

**22 34 36 19-0019**

**Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH)** (22 34 36 19)

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

**22 Plumbing****22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 19-0020	EA		76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80).....	3,331.18	305.25
22 34 36 19-0021	EA		100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100).....	4,458.70	305.25
22 34 36 19-0022	EA		120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120).....	5,390.12	305.25
22 34 36 19-0023	EA		120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A).....	7,755.23	335.77
22 34 36 19-0024	EA		150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150).....	7,942.99	356.12
22 34 36 19-0025	EA		150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A).....	10,011.88	391.74
22 34 36 19-0026	EA		199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199).....	8,069.25	407.00
22 34 36 19-0027	EA		199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A).....	10,319.90	447.70
22 34 36 19-0028	EA		250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250).....	9,323.03	457.87
22 34 36 19-0029	EA		250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A).....	11,338.73	503.66
22 34 36 19-0030	EA		300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A).....	14,834.83	615.58
22 34 36 19-0031	EA		399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A).....	15,596.30	671.55
22 34 36 19-0032	EA		499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A).....	17,938.74	727.51

**22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters (22 34 36)**

22 34 36 23-0001			<b>Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm) (22 34 36 23)</b> Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.		
22 34 36 23-0002	EA		400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400).....	66,223.49	1,355.21
22 34 36 23-0003	EA		1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000).....	80,043.75	1,439.90
22 34 36 23-0004	EA		2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000).....	97,227.21	1,524.60
22 34 36 23-0005	EA		3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000).....	116,202.14	1,609.30
22 34 36 23-0006	EA		4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000).....	121,799.96	1,694.00

**22 34 36 23-0007 Gas Fired Volume Water Heater (Laars Mighty Therm) (22 34 36 23)**

22 34 36 23-0008	EA		200 MBH Gas Fired Volume Water Heater (Laars MT2V0200).....	8,369.30	750.14
22 34 36 23-0009	EA		300 MBH Gas Fired Volume Water Heater (Laars MT2V0300).....	9,086.57	843.91
22 34 36 23-0010	EA		400 MBH Gas Fired Volume Water Heater (Laars MT2V0400).....	10,532.74	1,031.45
22 34 36 23-0011	EA		500 MBH Gas Fired Volume Water Heater (Laars MT2V0500).....	15,269.54	1,125.22
22 34 36 23-0012	EA		750 MBH Gas Fired Volume Water Heater (Laars MT2V0750).....	16,810.31	1,312.75
22 34 36 23-0013	EA		1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000).....	19,228.62	1,500.28
22 34 36 23-0014	EA		1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250).....	21,248.18	1,687.82
22 34 36 23-0015	EA		1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500).....	25,373.56	1,875.36
22 34 36 23-0016	EA		1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750).....	26,333.86	1,969.12
22 34 36 23-0017	EA		2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000).....	28,240.11	2,062.89

**22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters (22 34 36)**

22 34 36 26-0001			<b>Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters (22 34 36 26)</b>		
22 34 36 26-0002	EA		1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	34,714.51	1,425.27
22 34 36 26-0003	EA		1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	49,214.42	1,575.30
22 34 36 26-0004	EA		2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	53,426.71	1,650.31
22 34 36 26-0005	EA		2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	57,861.67	1,800.34

**22 34 36 26-0006 Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)**

22 34 36 26-0007	EA		1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos).....	30,718.79	1,425.27
22 34 36 26-0008	EA		1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos).....	33,935.95	1,575.30
22 34 36 26-0009	EA		2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos).....	37,129.06	1,650.31
22 34 36 26-0010	EA		2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos).....	40,337.03	1,800.34

**22 34 36 26-0011 Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)**

22 34 36 26-0012	EA		200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	7,761.62	675.13
22 34 36 26-0013	EA		300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	8,535.91	750.14
22 34 36 26-0014	EA		400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	10,017.25	900.17
22 34 36 26-0015	EA		500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	14,262.59	937.68
22 34 36 26-0016	EA		750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	15,675.73	1,125.22
22 34 36 26-0017	EA		1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	19,347.82	1,350.26
22 34 36 26-0018	EA		1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	22,038.22	1,425.27
22 34 36 26-0019	EA		1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	24,444.98	1,537.80
22 34 36 26-0020	EA		1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	26,710.60	1,612.81
22 34 36 26-0021	EA		2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	28,700.61	1,650.31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 34 36 26-0022</b>		<b>Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters</b> <small>(22 34 36 26)</small>			
22 34 36 26-0023	EA	700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	25,830.82		1,125.22
22 34 36 26-0024	EA	1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	28,392.06		1,350.26
22 34 36 26-0025	EA	1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	38,082.38		1,537.80
22 34 36 26-0026	EA	1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	39,220.33		1,612.81
22 34 36 26-0027	EA	2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	41,072.83		1,650.31

<b>22 34 36 26-0028</b>		<b>Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters</b> <small>(22 34 36 26)</small>			
22 34 36 26-0029	EA	1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire).....	32,800.34		1,350.26
22 34 36 26-0030	EA	1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire).....	39,717.34		1,537.80
22 34 36 26-0031	EA	2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire).....	42,140.90		1,650.31

**22 34 46 Oil-Fired Domestic Water Heaters** (22 34)

**22 34 46 11 Standard-capacity, Oil-Fired Domestic Water Heaters** (22 34 46)

<b>22 34 46 11-0001</b>		<b>Oil-Fired Domestic Water Heaters (Bock)</b> <small>(22 34 46 11)</small>			
		Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.			
22 34 46 11-0002	EA	60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E).....	1,755.84		156.69
22 34 46 11-0003	EA	104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E).....	1,731.88		156.69
22 34 46 11-0004	EA	104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES).....	1,808.86		156.69
22 34 46 11-0005	EA	125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E).....	1,910.76		160.76
22 34 46 11-0006	EA	140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES).....	2,436.54		164.83
22 34 46 11-0007	EA	152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E).....	2,055.90		164.83

**22 34 46 11-0008 Oil Fired Commercial Water Heaters** (22 34 46 11)

		Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.			
22 34 46 11-0009	EA	173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Bock 71E).....	2,847.18		244.20
22 34 46 11-0010	EA	199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 72E).....	3,348.33		244.20
22 34 46 11-0011	EA	242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 73E).....	3,367.61		244.20
22 34 46 11-0012	EA	190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E).....	4,853.26		325.59
22 34 46 11-0013	EA	415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E).....	6,661.87		407.00
22 34 46 11-0014	EA	623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E).....	8,392.80		447.70

**22 35 Domestic Water Heat Exchangers** (22 35)

**22 35 23 Circulating, Domestic Water Heat Exchangers** (22 35)

**22 35 23 13 Circulating, Compact Domestic Water Heat Exchangers** (22 35 23)

<b>22 35 23 13-0001</b>		<b>Steam Driven Water Heaters</b> <small>(22 35 23 13)</small>			
<b>22 35 23 13-0002</b>		<b>Constant Flow</b> <small>(22 35 23 13-0001)</small>			
22 35 23 13-0003	EA	30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow.....	7,472.89		508.75
22 35 23 13-0004	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow.....	9,342.35		623.42
22 35 23 13-0005	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow.....	11,959.22		815.32
22 35 23 13-0006	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow.....	16,159.01		1,135.63
22 35 23 13-0007	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow.....	23,700.17		1,870.36
22 35 23 13-0008	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow.....	25,769.18		2,119.75
22 35 23 13-0009	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow.....	34,063.20		2,445.86
22 35 23 13-0010	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow.....	41,024.18		2,890.60

**22 35 23 13-0011 Variable Flow** (22 35 23 13-0001)

22 35 23 13-0012	EA	30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow.....	11,091.53		992.06
22 35 23 13-0013	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow.....	12,506.98		1,211.33
22 35 23 13-0014	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow.....	15,938.79		1,566.33
22 35 23 13-0015	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow.....	20,805.77		2,185.38
22 35 23 13-0016	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow.....	30,758.38		3,654.85
22 35 23 13-0017	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow.....	37,744.62		4,024.92
22 35 23 13-0018	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow.....	43,687.19		4,710.60
22 35 23 13-0019	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow.....	55,570.89		5,627.77

**22 40 Plumbing Fixtures** (22)

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

**22 Plumbing****22 40 Plumbing Fixtures****22 41 Residential Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41			<b>Residential Plumbing Fixtures</b> (22 40)		
22 41 39			<b>Residential Faucets, Supplies, and Trim</b> (22 41)		
22 41 39 00-0001			<b>Residential Kitchen Faucets</b> (22 41 39)		
22 41 39 00-0002	EA		Chrome Single Handle Kitchen Faucet (Delta 100LF-WF).....	150.99	46.85
22 41 39 00-0003	EA		Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF) .....	171.82	46.85
22 41 39 00-0004	EA		Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF) .....	171.82	46.85
22 41 39 00-0005	EA		Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215) .....	166.07	46.85
22 41 39 00-0006	EA		Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215).....	177.26	46.85
22 41 39 00-0007			<b>Residential Lavatory Faucets</b> (22 41 39)		
22 41 39 00-0008	EA		Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST) .....	134.68	33.73
			<i>For Faucet With Brass Pop-Up, Add</i> .....	11.00	
22 41 39 00-0009	EA		Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF) .....	134.68	33.73
			<i>For Faucet With Brass Pop-Up, Add</i> .....	11.00	
22 41 39 00-0010	EA		Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF) .....	100.42	33.73
			<i>For Faucet With Plastic Pop-Up, Add</i> .....	14.00	
			<i>For Faucet With Brass Pop-Up, Add</i> .....	16.50	
22 41 39 00-0011			<b>Residential Bath And Shower Faucets</b> (22 41 39)		
22 41 39 00-0012	EA		Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501) .....	174.15	40.67
			<i>For Faucet With Polished Nickel Or Brass Finish, Add</i> .....	25.00	
22 41 39 00-0013	EA		Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502) .....	202.65	40.67
			<i>For Faucet With Polished Nickel Or Brass Finish, Add</i> .....	25.00	
22 41 39 00-0014	EA		Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275).....	161.73	40.67
			<i>For Faucet With Lever Handles, Add</i> .....	8.10	
			<i>For Faucet With Polished Nickel Or Brass Finish, Add</i> .....	75.00	
22 41 39 00-0015	EA		Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375) .....	177.08	40.67
			<i>For Faucet With Lever Handles, Add</i> .....	8.10	
			<i>For Faucet With Polished Nickel Or Brass Finish, Add</i> .....	75.00	
22 41 39 00-0016	EA		Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602).....	193.35	25.44
22 41 39 00-0017	EA		Wall Mount, Hand Shower With Hose (Delta 55011) .....	162.83	25.44
22 41 39 00-0018	EA		Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS).....	227.56	25.44
22 41 39 00-0019			<b>Residential Laundry Faucets</b> (22 41 39)		
22 41 39 00-0020	EA		Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF).....	117.26	29.91
22 41 39 00-0021			<b>Residential Laundry/Wash Basin Faucets</b> (22 41 39)		
22 41 39 00-0022	EA		Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF).....	118.12	29.91
22 41 39 00-0023	EA		Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503) .....	165.05	32.97
22 41 39 00-0024			<b>Other Residential Faucets</b> (22 41 39)		
22 41 39 00-0025	EA		Sillcock, Compact, Brass, IPS Or Copper To Hose.....	34.75	7.63
22 42			<b>Commercial Plumbing Fixtures</b> (22 40)		
			Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.		
22 42 13			<b>Commercial Water Closets, Urinals, and Bidets</b> (22 42)		
22 42 13 13			<b>Commercial Water Closets</b> (22 42 13)		
22 42 13 13-0001			<b>Vitreous China Water Closets</b> (22 42 13 13)		
			Note: With a 2" ball pass.		
22 42 13 13-0002			<b>Floor Mounted Elongated Vitreous China Water Closets</b> (22 42 13 13-0001)		
			Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0003	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™) .....	591.69	97.46
22 42 13 13-0004	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Colorado).....	585.12	97.46
22 42 13 13-0005	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo®) .....	718.74	97.46
22 42 13 13-0006	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™).....	950.22	97.46
22 42 13 13-0007	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet™).....	842.88	97.46
22 42 13 13-0008	EA		1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet™).....	782.27	97.46
22 42 13 13-0009	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®).....	786.44	97.46
22 42 13 13-0010	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcomme™) .....	582.39	97.46
22 42 13 13-0011	EA		1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E) .....	629.17	97.46



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 42 13 13-0012 Wall Hung Elongated Vitreous China Water Closets (22 42 13 13-0001)</b>						
Note: Includes wax seal and toilet seat. Excludes flush valve.						
	22 42 13 13-0013	EA		Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard AFWall®).....	681.00	119.95
	22 42 13 13-0014	EA		Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard AFWall® ADA Retrofit).....	865.81	119.95
	22 42 13 13-0015	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™).....	1,117.00	119.95
	22 42 13 13-0016	EA		Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™).....	684.04	119.95
	22 42 13 13-0017	EA		Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™).....	1,082.83	119.95
	22 42 13 13-0018	EA		Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV).....	765.55	119.95
	22 42 13 13-0019	EA		Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL).....	638.68	119.95
	22 42 13 13-0020	EA		Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459).....	675.44	119.95

<b>22 42 13 13-0021 Floor Mounted Elongated Handicapped Water Closets (22 42 13 13-0001)</b>						
Note: Includes wax seal and toilet seat. Excludes flush valve.						
	22 42 13 13-0022	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA).....	600.78	97.46
	22 42 13 13-0023	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®).....	616.85	97.46
	22 42 13 13-0024	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®).....	687.68	97.46
	22 42 13 13-0025	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron).....	775.30	97.46
	22 42 13 13-0026	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA).....	771.65	97.46
	22 42 13 13-0027	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA).....	1,051.31	97.46
	22 42 13 13-0028	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA).....	876.07	97.46
	22 42 13 13-0029	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN).....	672.93	97.46
	22 42 13 13-0030	EA		2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650).....	742.09	97.46
	22 42 13 13-0031	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA K-3519).....	898.07	97.46
	22 42 13 13-0032	EA		2 Piece Tank Type, Dual-Flush 1.1 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436).....	685.40	97.46
	22 42 13 13-0033	EA		2 Piece Tank Type, High Efficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™).....	665.70	97.46
	22 42 13 13-0034	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn HET Z5667-BWL).....	636.07	97.46

<b>22 42 13 13-0035 Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets (22 42 13 13-0001)</b>						
Note: Includes wax seal and toilet seat. Excludes flush valve.						
	22 42 13 13-0036	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™).....	681.99	97.46
	22 42 13 13-0037	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™).....	608.80	97.46
	22 42 13 13-0038	EA		2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™).....	722.73	97.46

<b>22 42 13 13-0039 Floor Mounted Round Bowl Vitreous China Water Closets (22 42 13 13-0001)</b>						
	22 42 13 13-0040	EA		2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113).....	663.65	97.46
	22 42 13 13-0041	EA		2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412).....	672.41	97.46

<b>22 42 13 13-0042 Stainless Steel Water Closets (22 42 13 13)</b>						
	22 42 13 13-0043	EA		Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS).....	3,717.95	210.85
	22 42 13 13-0044	EA		Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS).....	3,922.24	210.85

<b>22 42 13 13-0045 Water Closet Carriers (22 42 13 13)</b>						
<b>22 42 13 13-0046 Pipe Grip Adaptor Type, Water Closet Carriers (22 42 13 13-0045)</b>						
Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.						
	22 42 13 13-0047	EA		Pipe Grip Adaptor Type, Water Closet Carrier.....	488.54	49.48

<b>22 42 13 13-0048 No-Hub, Water Closet Carriers (22 42 13 13-0045)</b>						
Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.						

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0049	EA		Vertical Close With Offset, No-Hub, Single Water Closet Carrier.....	752.65	49.48
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-64.81	
			<i>For Positioning Frame, Add</i>	42.33	
			<i>For Supply Pipe Support, Add</i>	43.30	
			<i>For Vandal Proof Trim, Add</i>	55.15	
			<i>For Auxiliary Inlet, Add</i>	183.82	
			<i>For Special Duty 500 LB Carrier, Add</i>	307.64	
22 42 13 13-0050	EA		Vertical Close On Stack, No-Hub, Single Water Closet Carrier.....	752.65	49.48
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-64.81	
			<i>For Positioning Frame, Add</i>	42.33	
			<i>For Supply Pipe Support, Add</i>	43.30	
			<i>For Vandal Proof Trim, Add</i>	55.15	
			<i>For Auxiliary Inlet, Add</i>	183.82	
			<i>For Special Duty 500 LB Carrier, Add</i>	307.64	
22 42 13 13-0051	EA		Horizontal Adjustable, No-Hub, Single Water Closet Carrier .....	821.34	49.48
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-64.81	
			<i>For Positioning Frame, Add</i>	42.33	
			<i>For Supply Pipe Support, Add</i>	43.30	
			<i>For Vandal Proof Trim, Add</i>	55.15	
			<i>For Auxiliary Inlet, Add</i>	183.82	
			<i>For Horizontal No Hub Cast Long Barrel, Add</i>	188.16	
			<i>For Carrier For Wide Chase Installations, Add</i>	249.11	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	307.65	
22 42 13 13-0052	EA		Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier .....	909.37	49.48
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-64.81	
			<i>For Positioning Frame, Add</i>	42.33	
			<i>For Supply Pipe Support, Add</i>	43.30	
			<i>For Vandal Proof Trim, Add</i>	55.15	
			<i>For 4" Branch, Add</i>	144.63	
			<i>For Auxiliary Inlet, Add</i>	183.82	
			<i>For Carrier For Wide Chase Installations, Add</i>	249.11	
			<i>For Double 4" Branches, Add</i>	290.23	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	307.65	
22 42 13 13-0053	EA		Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,251.49	72.62
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-129.61	
			<i>For Positioning Frame, Add</i>	91.68	
			<i>For Supply Pipe Support, Add</i>	93.62	
			<i>For Vandal Proof Trim, Add</i>	110.30	
			<i>For Auxiliary Inlet, Add</i>	197.87	
			<i>For Special Duty 500 LB Carrier, Add</i>	615.28	
22 42 13 13-0054	EA		Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,286.32	72.62
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-129.61	
			<i>For Positioning Frame, Add</i>	91.68	
			<i>For Supply Pipe Support, Add</i>	93.62	
			<i>For Vandal Proof Trim, Add</i>	110.30	
			<i>For Auxiliary Inlet, Add</i>	197.87	
			<i>For Special Duty 500 LB Carrier, Add</i>	615.28	
22 42 13 13-0055	EA		Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier .....	1,563.97	72.62
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-129.61	
			<i>For Positioning Frame, Add</i>	91.68	
			<i>For Supply Pipe Support, Add</i>	93.62	
			<i>For Vandal Proof Trim, Add</i>	110.30	
			<i>For 4" Branch, Add</i>	151.66	
			<i>For Auxiliary Inlet, Add</i>	197.87	
			<i>For Double 4" Branches, Add</i>	304.28	
			<i>For Carrier For Wide Chase Installations, Add</i>	540.40	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	615.29	
22 42 13 13-0056	EA		Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,473.03	72.62
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-129.61	
			<i>For Positioning Frame, Add</i>	91.68	
			<i>For Supply Pipe Support, Add</i>	93.62	
			<i>For Vandal Proof Trim, Add</i>	110.30	
			<i>For Horizontal No Hub Cast Long Barrel, Add</i>	195.19	
			<i>For Carrier For Wide Chase Installations, Add</i>	540.40	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	615.29	
22 42 13 13-0057			<b>Hub And Spigot, Water Closet Carriers</b> <small>(22 42 13 13-0045)</small>		
			Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0058	EA		Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier.....	752.65	49.48
			<i>For Positioning Frame, Add</i>	42.33	
			<i>For Supply Pipe Support, Add</i>	43.30	
			<i>For Vandal Proof Trim, Add</i>	55.15	
			<i>For Hanger Type Closet Adapter, Add</i>	138.34	
			<i>For Auxiliary Inlet, Add</i>	183.82	
22 42 13 13-0059	EA		Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier.....	752.65	49.48
			<i>For Positioning Frame, Add</i>	42.33	
			<i>For Supply Pipe Support, Add</i>	43.30	
			<i>For Vandal Proof Trim, Add</i>	55.15	
			<i>For Auxiliary Inlet, Add</i>	183.82	
			<i>For Special Duty 500 LB Carrier, Add</i>	307.64	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 42 13	13-0060	EA	Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier ..... <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For 4" Branch, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Carrier For Wide Chase Installations, Add</i> <i>For Double 4" Branches, Add</i> <i>For Special Duty 1,000 LB Carrier, Add</i>	942.26 -64.81 42.33 43.30 55.15 144.63 183.82 249.11 290.23 307.65	49.48
	22 42 13	13-0061	EA	Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier ..... <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Hanger Type Closet Adapter, Add</i>	1,251.49 91.68 93.62 110.30 197.87 276.68	72.62
	22 42 13	13-0062	EA	Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier ..... <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For 4" Branch, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Double 4" Branches, Add</i> <i>For Carrier For Wide Chase Installations, Add</i> <i>For Special Duty 1,000 LB Carrier, Add</i>	1,596.86 -129.61 91.68 93.62 110.30 151.66 197.87 304.28 540.40 615.29	72.62
	22 42 13	13-0063		<b>Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers</b> <small>(22 42 13 13-0045)</small> Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
	22 42 13	13-0064	EA	Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier ..... <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Hanger Type Closet Adapter, Add</i>	583.35 42.33 43.30 55.15 138.34	49.48
	22 42 13	13-0065		<b>Institutional Water Closet Carriers</b> <small>(22 42 13 13-0045)</small> Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		
	22 42 13	13-0066	EA	Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier ..... <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Auxiliary Inlet, Add</i>	2,045.75 -129.61 91.68 93.62 110.30 197.87	72.62
	22 42 13	13-0067		<b>Removal And Reinstallation Of Fixtures And Trim</b> <small>(22 42 13 13)</small> Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
	22 42 13	13-0068	EA	Removal And Reinstallation Of Wall Hung Water Closet With Tank .....	428.43	
	22 42 13	13-0069	EA	Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve .....	428.43	
	22 42 13	13-0070	EA	Removal And Reinstallation Of Floor Mount Water Closet With Tank .....	329.51	
	22 42 13	13-0071	EA	Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve.....	329.51	
	22 42 13	16		<b>Commercial Urinals</b> <small>(22 42 13)</small>		
	22 42 13	16-0001		<b>Vitreous China Urinals</b> <small>(22 42 13 16)</small> Note: Excludes flush valve unless indicated otherwise.		
	22 42 13	16-0002		<b>Wall Hung Urinals</b> <small>(22 42 13 16-0001)</small>		
	22 42 13	16-0003	EA	Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™) .....	527.86	100.27
	22 42 13	16-0004	EA	Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®) .....	647.82	100.27
	22 42 13	16-0005	EA	Wall Hung, Washout, Vitreous China Urinal With Back Spud (American Standard Washbrook®) .....	672.91	100.27
	22 42 13	16-0006	EA	Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™).....	709.76	100.27
	22 42 13	16-0007	EA	Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™) .....	645.87	100.27
	22 42 13	16-0008	EA	Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™) .....	544.57	100.27
	22 42 13	16-0009	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV) .....	663.49	100.27
	22 42 13	16-0010	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV).....	566.54	100.27
	22 42 13	16-0011	EA	Wall Hung, Washout, Vitreous China Urinal (Zurn Z5798).....	613.65	100.27
	22 42 13	16-0012	EA	0.125 To 0.5 GPF, HEU, Wall Hung, Washout, Vitreous China Urinal (Sloan SU-1009-A).....	559.61	100.27
	22 42 13	16-0013	EA	1.0 GPF, HEU, Wall Hung, Washout, Vitreous China Urinal (Sloan SU-1006-A).....	557.55	100.27
	22 42 13	16-0014		<b>Floor Mounted Urinals</b> <small>(22 42 13 16-0001)</small>		
	22 42 13	16-0015	EA	Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™).....	884.26	126.50
	22 42 13	16-0016	EA	Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™).....	1,006.61	126.50
	22 42 13	16-0017	EA	Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931).....	292.93	23.43
	22 42 13	16-0018	EA	Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932).....	333.00	23.43
	22 42 13	16-0019		<b>Waterfree Urinals</b> <small>(22 42 13 16-0001)</small>		
	22 42 13	16-0020	EA	Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free) .....	594.82	70.29
				<i>For &gt;1, Deduct</i> <i>For Colored Fixtures, Add</i>	-41.10 66.90	

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0021	EA		Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000) .....	887.86	70.29
			<i>For &gt;1, Deduct</i> .....	-74.51	
			<i>For Colored Fixtures, Add</i> .....	66.90	
22 42 13 16-0022	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000).....	771.79	70.29
			<i>For &gt;1, Deduct</i> .....	-61.28	
			<i>For Colored Fixtures, Add</i> .....	66.90	
22 42 13 16-0023	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000).....	603.85	70.29
			<i>For &gt;1, Deduct</i> .....	-42.13	
			<i>For Colored Fixtures, Add</i> .....	66.90	
22 42 13 16-0024	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000).....	603.85	70.29
			<i>For &gt;1, Deduct</i> .....	-42.13	
			<i>For Colored Fixtures, Add</i> .....	66.90	
22 42 13 16-0025	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000).....	735.80	70.29
			<i>For &gt;1, Deduct</i> .....	-57.17	
			<i>For Colored Fixtures, Add</i> .....	66.90	
22 42 13 16-0026	EA		Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000).....	1,088.55	70.29
			<i>For &gt;1, Deduct</i> .....	-97.39	
<b>22 42 13 16-0027</b>			<b>Stainless Steel Urinals</b> (22 42 13 16)		
22 42 13 16-0028	EA		Wall Hung Urinal, Stainless Steel, Blowout Jet (Acom 2160-T-1).....	3,832.87	210.85
22 42 13 16-0029	EA		5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C).....	4,975.73	257.70
<b>22 42 13 16-0030</b>			<b>Urinal Carriers</b> (22 42 13 16)		
<b>22 42 13 16-0031</b>			<b>Floor Mounted, Urinal Carriers</b> (22 42 13 16-0030)		
			Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0032	EA		Floor Mounted Hanger Plate Type, Single Urinal Carrier .....	425.06	35.61
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i> .....	20.31	
22 42 13 16-0033	EA		Floor Mounted Bearing Plate Type, Single Urinal Carrier .....	461.82	35.61
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i> .....	20.31	
<b>22 42 13 16-0034</b>			<b>Wall Mounted, Urinal Carriers</b> (22 42 13 16-0030)		
			Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0035	EA		Wall Mounted Hanger Plate Type, Single Urinal Carrier .....	195.78	35.61
			<i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i> .....	20.31	
<b>22 42 13 16-0036</b>			<b>Removal And Reinstallation Of Fixtures And Trim</b> (22 42 13 16)		
			Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0037	EA		Removal And Reinstallation Of Wall Hung Urinal With Flush Valve.....	426.90	
<b>22 42 16</b>			<b>Commercial Lavatories and Sinks</b> (22 42)		
<b>22 42 16 13</b>			<b>Commercial Lavatories</b> (22 42 16)		
<b>22 42 16 13-0001</b>			<b>Lavatories</b> (22 42 16 13)		
			Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
<b>22 42 16 13-0002</b>			<b>Wall Hung Lavatories</b> (22 42 16 13-0001)		
22 42 16 13-0003	EA		19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™).....	523.52	62.78
22 42 16 13-0004	EA		20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™).....	549.11	62.78
22 42 16 13-0005	EA		22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™).....	692.43	62.78
22 42 16 13-0006	EA		18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™).....	476.86	62.78
22 42 16 13-0007	EA		19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™).....	405.37	62.78
22 42 16 13-0008	EA		20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®).....	523.10	62.78
22 42 16 13-0009	EA		27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users).....	623.61	62.78
22 42 16 13-0010	EA		20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™).....	488.90	62.78
22 42 16 13-0011	EA		20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™).....	426.44	62.78
<b>22 42 16 13-0012</b>			<b>Countertop Lavatories</b> (22 42 16 13-0001)		
22 42 16 13-0013	EA		20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®) .....	462.53	75.90
22 42 16 13-0014	EA		21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval).....	471.40	75.90
22 42 16 13-0015	EA		19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™).....	496.16	75.90
22 42 16 13-0016	EA		19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™).....	522.49	75.90
22 42 16 13-0017	EA		24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®) .....	671.45	81.99
<b>22 42 16 13-0018</b>			<b>Undercounter Lavatories</b> (22 42 16 13-0001)		
22 42 16 13-0019	EA		15" x 12" Vitreous China Undercounter Lavatory (American Standard Ovalyn™) .....	467.56	75.90
22 42 16 13-0020	EA		17" x 14" Vitreous China Undercounter Lavatory (American Standard Ovalyn™) .....	437.22	75.90
22 42 16 13-0021	EA		19" x 16" Vitreous China Undercounter Lavatory (American Standard Ovalyn™) .....	437.22	75.90
22 42 16 13-0022	EA		21" x 17" Vitreous China Undercounter Lavatory (American Standard Ovalyn™) .....	474.02	75.90
22 42 16 13-0023	EA		15" x 12" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®) .....	450.80	75.90
22 42 16 13-0024	EA		17" x 14" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®) .....	445.21	75.90
22 42 16 13-0025	EA		19" x 15" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®) .....	450.90	75.90
22 42 16 13-0026	EA		18" x 12" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®).....	576.52	75.90
22 42 16 13-0027	EA		21" x 14" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®).....	576.52	75.90
<b>22 42 16 13-0028</b>			<b>Pedestal Lavatories</b> (22 42 16 13-0001)		
22 42 16 13-0029	EA		19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™).....	597.81	180.39

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**22 42 16 13-0030 Cultured Marble Vanity Tops** (22 42 16 13-0001)  
 Note: Includes predrilled holes for faucet.

22 42 16 13-0031	EA 25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	385.81	70.29
22 42 16 13-0032	EA 31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	445.35	74.96
22 42 16 13-0033	EA 37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	555.74	79.65
22 42 16 13-0034	EA 49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	801.47	84.34
22 42 16 13-0035	EA 25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	422.77	70.29
22 42 16 13-0036	EA 31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	455.76	74.96
22 42 16 13-0037	EA 37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	617.21	79.65
22 42 16 13-0038	EA 43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	681.10	81.99
22 42 16 13-0039	EA 49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	775.47	84.34

**22 42 16 13-0040 Quartz Vanity Tops** (22 42 16 13-0001)  
 Note: Includes predrilled holes for faucet.

22 42 16 13-0041	EA 25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink .....	957.87	70.29
22 42 16 13-0042	EA 31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink .....	999.37	74.96
22 42 16 13-0043	EA 37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink .....	1,161.56	79.65
22 42 16 13-0044	EA 43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink .....	1,168.45	81.99
22 42 16 13-0045	EA 49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink .....	1,284.13	84.34
22 42 16 13-0046	EA 61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks .....	1,758.19	89.02
22 42 16 13-0047	EA 73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks .....	2,094.68	93.70
22 42 16 13-0048	EA 22" End Splash For Quartz Vanity Tops .....	58.18	

**22 42 16 13-0049 Solid Surface Vanity Tops** (22 42 16 13-0001)  
 Note: Includes predrilled holes for faucet.

22 42 16 13-0050	EA 25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	784.80	70.29
22 42 16 13-0051	EA 31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	890.33	74.96
22 42 16 13-0052	EA 37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	1,010.68	79.65
22 42 16 13-0053	EA 43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	1,122.65	81.99
22 42 16 13-0054	EA 49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	1,224.77	84.34
22 42 16 13-0055	EA 55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	1,360.18	86.68
22 42 16 13-0056	EA 61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	1,526.90	89.02
22 42 16 13-0057	EA 61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks .....	1,568.93	89.02
22 42 16 13-0058	EA 73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks .....	1,699.12	93.70
22 42 16 13-0059	EA 22" End Splash For Solid Surface Vanity Tops .....	87.68	

**22 42 16 13-0060 Solid Surface Multi-Station Lavatory Systems** (22 42 16 13-0001)  
 Note: ADA compliant. Includes integral faucets.

22 42 16 13-0061	EA 2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2).....	4,763.58	130.45
	<i>For Integral Liquid Soap Dispenser, Add</i>	171.00	
	<i>For Integral Photovoltaic Power Panels, Add</i>	563.00	
22 42 16 13-0062	EA 3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3).....	6,973.98	130.45
	<i>For Integral Photovoltaic Power Panels, Add</i>	657.00	
	<i>For Integral Liquid Soap Dispenser, Add</i>	171.00	
22 42 16 13-0063	EA 12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12).....	329.04	43.48
22 42 16 13-0064	EA 18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18).....	405.57	43.48
22 42 16 13-0065	EA 36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36).....	795.37	43.48

**22 42 16 13-0066 Stainless Steel Lavatories** (22 42 16 13-0001)

22 42 16 13-0067	EA 18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1).....	1,884.78	164.00
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**22 42 16 13-0068 Lavatory Carriers** (22 42 16 13)

**22 42 16 13-0069 Floor Mounted, Lavatory Carriers** (22 42 16 13-0068)

**22 42 16 13-0070 Floor Mounted Plate Type, Lavatory Carriers** (22 42 16 13-0069)  
 Note: Includes adjustable supporting rods, structural uprights and welded feet.

22 42 16 13-0071	EA Floor Mounted Hanger Plate Type, Single Lavatory Carrier.....	425.06	35.61
	<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	20.31	
	<i>For Valve Plate For Attaching To Upright, Add</i>	72.78	
	<i>For Corner Carrier, Add</i>	141.70	
22 42 16 13-0072	EA Floor Mounted Bearing Plate Type, Single Lavatory Carrier.....	461.82	35.61
	<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	20.31	
	<i>For Valve Plate For Attaching To Upright, Add</i>	72.78	
22 42 16 13-0073	EA Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier.....	526.64	35.61
	<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	40.63	
	<i>For Valve Plate For Attaching To Upright, Add</i>	145.56	
22 42 16 13-0074	EA Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier.....	601.13	35.61
	<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	40.63	
	<i>For Valve Plate For Attaching To Upright, Add</i>	145.56	

**22 42 16 13-0075 Floor Mounted, Lavatory Carriers With Arms** (22 42 16 13-0069)  
 Note: Includes leveling and securing screws, structural uprights and welded feet.

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0076	EA		Floor Mounted, Single Lavatory Carrier With Concealed Arms ..... <i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i> <i>For Concealed Arm Carrier For Wheelchair Lavatory, Add</i> <i>For Valve Plate For Attaching To Upright, Add</i> <i>For 2" Chrome Plated Escutcheons, Add</i> <i>For 4" Or 6" Chrome Plated Escutcheons, Add</i>	545.37 20.31 28.06 74.65 68.69 124.80	42.17
22 42 16 13-0077	EA		Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms ..... <i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Valve Plate For Attaching To Upright, Add</i> <i>For Heavy Duty Carrier, Add</i>	723.38 20.31 55.15 74.65 70.62	42.17
22 42 16 13-0078	EA		Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms ..... <i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i> <i>For Concealed Arm Carrier For Wheelchair Lavatory, Add</i> <i>For Valve Plate For Attaching To Upright, Add</i> <i>For 2" Chrome Plated Escutcheons, Add</i> <i>For 4" Or 6" Chrome Plated Escutcheons, Add</i>	722.41 40.63 56.12 149.31 137.37 249.60	42.17
22 42 16 13-0079	EA		Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms ..... <i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Valve Plate For Attaching To Upright, Add</i> <i>For Heavy Duty Carrier, Add</i>	1,062.95 40.63 110.30 149.31 141.24	42.17
22 42 16 13-0080			<b>Wall Mounted, Lavatory Carriers</b> (22 42 16 13-0068)		
22 42 16 13-0081			<b>Wall Mounted Plate Type, Lavatory Carriers</b> (22 42 16 13-0080) Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0082	EA		Wall Mounted Hanger Plate Type, Single Lavatory Carrier ..... <i>For Double Plate Carrier, Add</i>	195.78 56.94	35.61
22 42 16 13-0083			<b>Wall Mounted Plate Type, Lavatory Carriers With Arms</b> (22 42 16 13-0080) Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0084	EA		Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms ..... <i>For Up To 4" Extension Sleeves And Hardware, Add</i> <i>For 2" Chrome Plated Escutcheons, Add</i>	319.96 20.31 68.69	42.17
22 42 16 13-0085	EA		Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms ..... <i>For Movable Mounting Brackets, Deduct</i> <i>For Up To 4" Extension Sleeves And Hardware, Add</i> <i>For 2" Chrome Plated Escutcheons, Add</i> <i>For 4" Or 6" Chrome Plated Escutcheons, Add</i>	374.14 -52.23 20.31 68.69 124.80	42.17
22 42 16 13-0086	EA		Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms ..... <i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i> <i>For Vandal Proof Trim, Add</i>	541.50 20.31 55.15	42.17
22 42 16 13-0087			<b>Removal And Reinstallation Of Lavatory And Trim</b> (22 42 16 13) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0088	EA		Removal And Reinstallation Of Wall Hung Lavatory With Faucet .....	275.62	
22 42 16 16			<b>Commercial Sinks</b> (22 42 16)		
22 42 16 16-0001			<b>Sinks</b> (22 42 16 16) Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 16-0002			<b>Kitchen Sinks</b> (22 42 16 16-0001)		
22 42 16 16-0003	EA		25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®) .....	637.20	88.08
22 42 16 16-0004	EA		22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®) .....	828.39	100.27
22 42 16 16-0005	EA		15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517) .....	718.16	86.21
			<i>For 18 Gauge, Add</i>	183.38	
22 42 16 16-0006	EA		17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722) .....	734.61	86.21
			<i>For 18 Gauge, Add</i>	191.60	
22 42 16 16-0007	EA		22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222) .....	771.63	86.21
			<i>For 18 Gauge, Add</i>	210.11	
22 42 16 16-0008	EA		25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522) .....	807.55	88.08
			<i>For 18 Gauge, Add</i>	222.45	
22 42 16 16-0009	EA		31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122) .....	1,005.12	100.27
			<i>For 18 Gauge, Add</i>	303.35	
22 42 16 16-0010	EA		33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321) .....	1,025.04	100.27
			<i>For 18 Gauge, Add</i>	313.14	
22 42 16 16-0011	EA		15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710) .....	984.84	86.21
22 42 16 16-0012	EA		17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210) .....	1,003.35	86.21
22 42 16 16-0013	EA		22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210) .....	1,049.97	86.21
22 42 16 16-0014	EA		25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210) .....	1,115.37	88.08
22 42 16 16-0015	EA		31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210) .....	1,340.36	100.27
22 42 16 16-0016	EA		33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322) .....	1,287.61	100.27
22 42 16 16-0017			<b>Undermount Kitchen Sinks</b> (22 42 16 16-0001)		
22 42 16 16-0018	EA		21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99) .....	886.07	86.21
22 42 16 16-0019	EA		21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99) .....	884.06	86.21
22 42 16 16-0020	EA		21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99) .....	892.92	86.21
22 42 16 16-0021	EA		21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99) .....	939.54	86.21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0022 EA 21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99).....	910.06	86.21
Note: Available in 4-1/2", 5, or 5-1/2" depths.		
22 42 16 16-0023 EA 25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99).....	1,029.54	86.21
22 42 16 16-0024 EA 32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99).....	1,208.18	86.21
22 42 16 16-0025 EA 21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A).....	737.51	86.21
22 42 16 16-0026 EA 32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A).....	938.09	86.21
<b>22 42 16 16-0027 Multi-Station Wash Sink, Wall Mounted</b> (22 42 16 16-0001)		
Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0028 EA 36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	1,774.19	152.28
Note: Excludes faucets.		
22 42 16 16-0029 EA 48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,366.05	164.00
Note: Excludes faucets.		
22 42 16 16-0030 EA 60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,718.40	175.70
Note: Excludes faucets.		
22 42 16 16-0031 EA 48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	1,774.04	117.14
Note: Excludes faucets.		
22 42 16 16-0032 EA 62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	1,967.64	128.85
Note: Excludes faucets.		
22 42 16 16-0033 EA 80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,157.53	140.56
Note: Excludes faucets.		
22 42 16 16-0034 EA 102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,394.81	158.14
Note: Excludes faucets.		
22 42 16 16-0035 EA 27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain.....	2,280.30	257.70
Note: Includes sensor operated spray heads.		
<b>22 42 16 16-0036 Utility Or Laundry Sinks</b> (22 42 16 16-0001)		
22 42 16 16-0037 EA 23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1).....	578.55	100.27
22 42 16 16-0038 EA 40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II).....	671.78	100.27
22 42 16 16-0039 EA 22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1).....	576.76	100.27
22 42 16 16-0040 EA 24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210).....	906.27	100.27
22 42 16 16-0041 EA 48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220).....	1,302.84	112.45
<b>22 42 16 16-0042 Refinish Sink/Lavatory</b> (22 42 16 16-0001)		
22 42 16 16-0043 EA Refinish Sink/Lavatory.....	219.83	
<b>22 42 16 16-0044 Service Sinks</b> (22 42 16 16-0001)		
22 42 16 16-0045 EA 22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™).....	921.52	150.88
22 42 16 16-0046 EA 24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™).....	972.38	150.88
22 42 16 16-0047 EA 28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™).....	1,229.96	199.60
22 42 16 16-0048 EA 12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zum FD2377-PO3-F).....	508.15	140.56
22 42 16 16-0049 EA 24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424).....	589.34	140.56
22 42 16 16-0050 EA 36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624).....	650.12	168.67
22 42 16 16-0051 EA 24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010).....	568.62	140.56
22 42 16 16-0052 EA 36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010).....	644.73	168.67
22 42 16 16-0053 EA 24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24).....	736.93	140.56
22 42 16 16-0054 EA 36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624).....	907.94	168.67
<b>22 42 16 16-0055 Stainless Steel Sink And Drainboard</b> (22 42 16 16-0001)		
22 42 16 16-0056 EA Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drainboard, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L).....	2,901.64	234.27
<b>22 42 16 16-0057 Soapstone Sinks</b> (22 42 16 16-0001)		
22 42 16 16-0058 EA 26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink.....	1,006.78	86.21
22 42 16 16-0059 SF Soapstone Sink Backsplash.....	163.96	
22 42 16 16-0060 EA 30" x 18-1/2" x 10" Single Bowl Soapstone Sink.....	1,286.33	100.27
22 42 16 16-0061 EA 36" x 18-1/2" x 10" Double Bowl Soapstone Sink.....	1,510.03	100.27
<b>22 42 16 16-0062 Sink Carriers</b> (22 42 16 16)		
<b>22 42 16 16-0063 Floor Mounted, Sink Carriers</b> (22 42 16 16-0062)		
Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 16-0064 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling.....	613.71	35.61
For Vandal Proof Trim, Add		
	55.15	
For Valve Plate For Attaching To Upright, Add		
	72.78	
22 42 16 16-0065 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting.....	945.53	35.61
For Vandal Proof Trim, Add		
	55.15	
For Auxiliary Vent, Add		
	164.70	

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0066	EA		Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms <i>For Up To 4" Extension Sleeves And Hardware, Add For Vandal Proof Trim, Add</i>	1,181.60 41.60 55.15	35.61
22 42 16 16-0067			<b>Removal And Reinstallation Of Sink And Trim</b> (22 42 16 16) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 16-0068	EA		Removal And Reinstallation Of Wall Hung Service Sink With Faucet	377.86	
<b>22 42 19 Commercial Bathtubs</b> (22 42)					
<b>22 42 19 00-0001 Recessed Alcove Bathtubs</b> (22 42 19)					
<b>22 42 19 00-0002 Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs</b> (22 42 19 00-0001)					
22 42 19 00-0003	EA		54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™)	1,396.64	260.51
22 42 19 00-0004	EA		60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®)	1,196.38	260.51
22 42 19 00-0005	EA		60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®)	1,401.66	260.51
22 42 19 00-0006	EA		66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®)	1,804.43	260.51
<b>22 42 19 00-0007 Porcelain Enameled Steel, Recessed Alcove Bathtubs</b> (22 42 19 00-0001)					
22 42 19 00-0008	EA		60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®)	617.83	260.51
22 42 19 00-0009	EA		60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®)	632.17	260.51
<b>22 42 19 00-0010 Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs</b> (22 42 19 00-0001)					
22 42 19 00-0011	EA		60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™)	914.49	260.51
<b>22 42 19 00-0012 Acrylic, Recessed Alcove Bathtubs</b> (22 42 19 00-0001)					
22 42 19 00-0013	EA		60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®)	941.61	260.51
22 42 19 00-0014	EA		60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,114.99	260.51
22 42 19 00-0015	EA		66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,137.38	260.51
22 42 19 00-0016	EA		72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,123.62	260.51
22 42 19 00-0017	EA		72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®)	1,173.13	260.51
<b>22 42 19 00-0018 Bathtub Refinishing</b> (22 42 19 00-0001)					
22 42 19 00-0019	EA		Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel	516.29	
<b>22 42 19 00-0020 Tub And Shower Combinations</b> (22 42 19)					
<b>22 42 19 00-0021 Acrylic Tub And Shower Combination</b> (22 42 19 00-0020)					
22 42 19 00-0022	EA		1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032) <i>For 2 Piece Enclosure, Deduct</i>	956.57 -210.16	93.92
<b>22 42 19 00-0023 Fiberglass Tub And Shower Combination</b> (22 42 19 00-0020)					
22 42 19 00-0024	EA		1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG)	771.42	93.92
22 42 19 00-0025	EA		2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P)	614.24	62.61
22 42 19 00-0026	EA		4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P)	1,223.88	141.76
22 42 19 00-0027	EA		3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872) <i>For 2 Piece Enclosure, Deduct</i>	2,541.74 -533.86	336.80
<b>22 42 23 Commercial Showers</b> (22 42)					
<b>22 42 23 00-0001 Shower Enclosures</b> (22 42 23)					
Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.					
<b>22 42 23 00-0002 Powder Coated Or Baked Enamel Steel Shower Enclosure</b> (22 42 23 00-0001)					
22 42 23 00-0003	EA		32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,258.09	151.15
22 42 23 00-0004	EA		36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,258.09	151.15
22 42 23 00-0005	EA		40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,869.80	151.15
22 42 23 00-0006	EA		40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions)	2,051.40	151.15
<b>22 42 23 00-0007 Solid Plastic Core High Density Polymer (HDP) Shower Enclosure</b> (22 42 23 00-0001)					
22 42 23 00-0008	EA		32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,032.29	151.15
22 42 23 00-0009	EA		36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,032.29	151.15
22 42 23 00-0010	EA		40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,892.51	151.15
22 42 23 00-0011	EA		40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions)	3,227.04	151.15
<b>22 42 23 00-0012 Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down</b> (22 42 23 00-0001)					
22 42 23 00-0013	EA		32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS)	1,064.12	151.15
22 42 23 00-0014	EA		36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS)	1,092.38	151.15
22 42 23 00-0015	EA		34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS)	1,120.65	151.15
22 42 23 00-0016	EA		30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL)	1,177.19	151.15
22 42 23 00-0017	EA		34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS)	1,252.10	151.15



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 42 23 00-0018</b>		<b>1 Piece Shower Units</b> <small>(22 42 23)</small>		
22 42 23 00-0019	EA	1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232).....	910.77	93.92
22 42 23 00-0020	EA	1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636).....	1,014.44	93.92

**22 42 23 00-0021 Personnel Type Shower Receptors** (22 42 23)

**22 42 23 00-0022 Acrylic Shower Receptors** (22 42 23 00-0021)

22 42 23 00-0023	EA	36" x 36" Acrylic Shower Receptor.....	406.91	38.16
22 42 23 00-0024	EA	42" x 42" Acrylic Shower Receptor.....	430.24	38.16
22 42 23 00-0025	EA	48" x 48" Acrylic Shower Receptor.....	476.83	38.16
22 42 23 00-0026	EA	60" x 60" Acrylic Shower Receptor.....	579.93	45.79
22 42 23 00-0027	EA	48" x 32" Acrylic Shower Receptor.....	408.01	38.16
22 42 23 00-0028	EA	48" x 36" Acrylic Shower Receptor.....	438.69	38.16
22 42 23 00-0029	EA	48" x 42" Acrylic Shower Receptor.....	495.77	38.16
22 42 23 00-0030	EA	60" x 30" Acrylic Shower Receptor.....	814.40	110.36
22 42 23 00-0031	EA	60" x 32" Acrylic Shower Receptor.....	550.90	45.79
22 42 23 00-0032	EA	60" x 36" Acrylic Shower Receptor.....	554.85	45.79
22 42 23 00-0033	EA	60" x 42" Acrylic Shower Receptor.....	558.47	45.79
22 42 23 00-0034	EA	60" x 48" Acrylic Shower Receptor.....	615.18	45.79
22 42 23 00-0035	EA	36" x 36" Acrylic Corner Shower Receptor.....	593.91	38.16
22 42 23 00-0036	EA	42" x 42" Acrylic Corner Shower Receptor.....	681.96	38.16
22 42 23 00-0037	EA	47-1/2" x 47-1/2" Acrylic Corner Shower Receptor.....	1,115.90	104.84

**22 42 23 00-0038 Molded Stone Shower Receptors** (22 42 23 00-0021)

22 42 23 00-0039	EA	32" x 32" Molded Stone Shower Receptor (Fiat 32WL).....	271.26	38.16
22 42 23 00-0040	EA	34" x 34" Molded Stone Shower Receptor (Fiat 34WL).....	284.42	38.16
22 42 23 00-0041	EA	36" x 36" Molded Stone Shower Receptor (Fiat 36WL).....	285.88	38.16
22 42 23 00-0042	EA	42" x 42" Molded Stone Shower Receptor (Fiat 4242WL).....	350.97	38.16
22 42 23 00-0043	EA	42" x 34" Molded Stone Shower Receptor (Fiat 42WL).....	311.48	38.16
22 42 23 00-0044	EA	48" x 32" Molded Stone Shower Receptor (Fiat 4832WL).....	329.76	38.16
22 42 23 00-0045	EA	48" x 34" Molded Stone Shower Receptor (Fiat 48WL).....	331.96	38.16
22 42 23 00-0046	EA	54" x 34" Molded Stone Shower Receptor (Fiat 54WL).....	384.45	45.79
22 42 23 00-0047	EA	60" x 34" Molded Stone Shower Receptor (Fiat 60WL).....	398.35	45.79
22 42 23 00-0048	EA	36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC).....	315.14	38.16
22 42 23 00-0049	EA	38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC).....	323.18	38.16

**22 42 23 00-0050 Precast Terrazzo Shower Receptors** (22 42 23 00-0021)

22 42 23 00-0051	EA	30" x 30" Precast Terrazzo Shower Receptor.....	509.66	38.16
22 42 23 00-0052	EA	32" x 32" Precast Terrazzo Shower Receptor.....	529.41	38.16
22 42 23 00-0053	EA	34" x 34" Precast Terrazzo Shower Receptor.....	547.69	38.16
22 42 23 00-0054	EA	36" x 36" Precast Terrazzo Shower Receptor.....	549.88	38.16
22 42 23 00-0055	EA	40" x 40" Precast Terrazzo Shower Receptor.....	601.81	38.16
22 42 23 00-0056	EA	42" x 42" Precast Terrazzo Shower Receptor.....	628.13	38.16
22 42 23 00-0057	EA	48" x 48" Precast Terrazzo Shower Receptor.....	882.63	38.16
22 42 23 00-0058	EA	36" x 32" Precast Terrazzo Shower Receptor.....	543.30	38.16
22 42 23 00-0059	EA	42" x 32" Precast Terrazzo Shower Receptor.....	553.78	38.16
22 42 23 00-0060	EA	42" x 34" Precast Terrazzo Shower Receptor.....	572.55	38.16
22 42 23 00-0061	EA	42" x 36" Precast Terrazzo Shower Receptor.....	595.96	38.16
22 42 23 00-0062	EA	32" x 48" Precast Terrazzo Shower Receptor.....	598.15	38.16
22 42 23 00-0063	EA	48" x 34" Precast Terrazzo Shower Receptor.....	628.13	38.16
22 42 23 00-0064	EA	54" x 32" Precast Terrazzo Shower Receptor.....	658.12	38.16
22 42 23 00-0065	EA	60" x 30" Precast Terrazzo Shower Receptor.....	889.52	45.79
22 42 23 00-0066	EA	60" x 32" Precast Terrazzo Shower Receptor.....	972.49	45.79
22 42 23 00-0067	EA	60" x 34" Precast Terrazzo Shower Receptor.....	976.57	45.79
22 42 23 00-0068	EA	60" x 36" Precast Terrazzo Shower Receptor.....	980.61	45.79
22 42 23 00-0069	EA	32" x 32" Precast Terrazzo Corner Shower Receptor.....	552.81	38.16
22 42 23 00-0070	EA	34" x 34" Precast Terrazzo Corner Shower Receptor.....	553.78	38.16
22 42 23 00-0071	EA	36" x 36" Precast Terrazzo Corner Shower Receptor.....	555.73	38.16
22 42 23 00-0072	EA	40" x 40" Precast Terrazzo Corner Shower Receptor.....	666.16	38.16
22 42 23 00-0073	EA	36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,210.98	38.16
22 42 23 00-0074	EA	60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,348.31	45.79
22 42 23 00-0075	EA	60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,405.35	45.79

**22 42 23 00-0076 Shower Receptors Accessories** (22 42 23 00-0021)

22 42 23 00-0077	SF	Polyvinyl Chloride (PVC) Shower Pan Liner.....	3.41	
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**22 42 23 00-0078 Removal And Reinstallation Of Fixtures And Trim** (22 42 23)

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 23 00-0079	EA	Removal And Reinstallation Of Shower Head.....	45.79	
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**22 42 33 Wash Fountains** (22 42)

**22 42 33 00-0001 Circular Wash Fountain, Deep Bowl** (22 42 33)

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0002	EA	36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD).....	7,416.45	152.20
		<i>For Metal Soap Dispenser, Add</i>	100.00	
		<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0003	EA		36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD).....	4,685.18	152.20
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0004	EA		36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE).....	8,149.59	152.20
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0005	EA		54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD).....	9,449.11	173.93
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0006	EA		54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD).....	5,406.30	173.93
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0007	EA		54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE).....	9,766.85	173.93
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
<b>22 42 33 00-0008</b>			<b>Semi-Circular Wash Fountain, Deep Bowl</b> <small>(22 42 33)</small>		
			Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0009	EA		36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD).....	6,470.38	130.45
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0010	EA		36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD).....	4,279.62	130.45
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0011	EA		36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE).....	6,175.65	130.45
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0012	EA		54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD).....	7,938.19	152.20
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0013	EA		54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD).....	5,165.25	152.20
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0014	EA		54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE).....	7,347.14	152.20
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
<b>22 42 39</b>			<b>Commercial Faucets, Supplies, and Trim</b> <small>(22 42)</small>		
<b>22 42 39 00-0001</b>			<b>Kitchen Faucets</b> <small>(22 42 39)</small>		
22 42 39 00-0002	EA		Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST).....	161.63	46.85
22 42 39 00-0003	EA		Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST).....	180.72	46.85
22 42 39 00-0004	EA		Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST).....	161.85	46.85
22 42 39 00-0005	EA		Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440-SS-DST).....	181.04	46.85
22 42 39 00-0006	EA		Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24).....	151.54	46.85
22 42 39 00-0007	EA		Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24).....	164.99	46.85
22 42 39 00-0008	EA		Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF).....	210.32	46.85
22 42 39 00-0009	EA		Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF).....	153.43	46.85
22 42 39 00-0010	EA		Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF).....	148.34	46.85
22 42 39 00-0011	EA		Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF).....	173.23	46.85
22 42 39 00-0012	EA		Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24).....	288.53	46.85
22 42 39 00-0013	EA		Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24).....	315.27	46.85
22 42 39 00-0014	EA		Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP).....	298.87	50.88
22 42 39 00-0015	EA		Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP).....	297.56	50.88
22 42 39 00-0016	EA		Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP).....	225.63	50.88
22 42 39 00-0017	EA		Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR).....	501.87	46.85
22 42 39 00-0018	EA		Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK).....	631.59	46.85
22 42 39 00-0019	EA		Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB).....	674.83	46.85
22 42 39 00-0020	EA		Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR).....	501.87	46.85
22 42 39 00-0021	EA		Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK).....	631.59	46.85
22 42 39 00-0022	EA		Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB).....	674.83	46.85
<b>22 42 39 00-0023</b>			<b>Lavatory Faucets</b> <small>(22 42 39)</small>		
22 42 39 00-0024	EA		Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST).....	189.90	33.73
22 42 39 00-0025	EA		4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF).....	134.68	33.73
22 42 39 00-0026	EA		4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU).....	164.89	33.73
22 42 39 00-0027	EA		4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM).....	179.95	33.73
22 42 39 00-0028	EA		Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU).....	218.86	33.73

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 42 39 00-0029	EA	Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF) .....	253.42	33.73
22 42 39 00-0030	EA	Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104) .....	158.39	33.73
22 42 39 00-0031	EA	Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002) .....	236.18	33.73
22 42 39 00-0032	EA	Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665) .....	172.84	33.73
22 42 39 00-0033	EA	3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710) .....	176.63	33.73
22 42 39 00-0034	EA	3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712) .....	211.33	33.73
22 42 39 00-0035	EA	4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805) .....	207.23	33.73
22 42 39 00-0036	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zum Z81104) .....	171.03	33.73

**22 42 39 00-0037 Bath And Shower Faucets (22 42 39)**

**22 42 39 00-0038 Bath And Shower Faucets With Valve Body (22 42 39 00-0037)**

22 42 39 00-0039	EA	Single Lever Handle Chrome Tub Filler, Pressure-Balance (American Standard T480 500) .....	178.54	40.67
22 42 39 00-0040	EA	Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501) .....	207.03	40.67
22 42 39 00-0041	EA	Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502) .....	225.30	40.67
22 42 39 00-0042	EA	Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505) .....	166.12	40.67
		<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0043	EA	Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501) .....	173.42	40.67
		<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0044	EA	Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502) .....	194.61	40.67
		<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0045	EA	Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502) .....	218.72	40.67
		<i>For Faucet With Metal Cross Handles, Add</i>	45.75	

**22 42 39 00-0046 Shower Valves And Trim (22 42 39)**

See CSI section 22 41 39 00-0011 for residential shower valves and heads.				
22 42 39 00-0047	EA	Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319) .....	297.36	63.26
22 42 39 00-0048	EA	Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP) .....	631.76	63.26
22 42 39 00-0049	EA	Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP) .....	447.55	63.26
22 42 39 00-0050	EA	Senior Institutional Shower Head (Symmons® 4-150) .....	173.97	40.67
22 42 39 00-0051	EA	Universal Institutional Shower Head (Symmons® 4-151) .....	282.76	40.67
22 42 39 00-0052	EA	Fre-Flo Institutional Shower Head (Symmons® 4-295) .....	202.61	40.67
22 42 39 00-0053	EA	Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385) .....	155.71	40.67
22 42 39 00-0054	EA	Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X) .....	628.75	60.91
22 42 39 00-0055	EA	Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X) .....	523.68	70.29
22 42 39 00-0056	EA	Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X) .....	682.44	70.29
22 42 39 00-0057	EA	Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X) .....	951.71	74.96
22 42 39 00-0058	EA	Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S) .....	865.28	63.26
		<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
		<i>For Recessed Soap Dish, Add</i>	108.12	
		<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
		<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0059	EA	Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807) .....	1,023.82	63.26
		<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
		<i>For Recessed Soap Dish, Add</i>	108.12	
		<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
		<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0060	EA	Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S) .....	705.46	63.26
		<i>For Hand Spray, Hose And Wall Hooks, Add</i>	19.32	
		<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	78.39	
		<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0061	EA	Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS) .....	1,051.69	63.26
		<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0062	EA	Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS) .....	1,126.33	63.26
		<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
		<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0063	EA	Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931) .....	2,055.92	63.26
		<i>For Recessed Soap Dish, Add</i>	83.94	
		<i>For Pressure Balance And Metering Combination, Add</i>	227.79	
22 42 39 00-0064	EA	Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921) .....	1,799.22	63.26
		<i>For Recessed Soap Dish, Add</i>	83.94	
		<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0065	EA	Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231) .....	916.12	63.26
22 42 39 00-0066	EA	Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS) .....	1,392.34	63.26
		<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
		<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0067	EA	Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60) .....	914.92	63.26

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 42 39 00-0068	EA	Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS).....	912.29		63.26
		<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07		
22 42 39 00-0069	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4).....	671.59		56.23
22 42 39 00-0070	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500).....	516.85		40.67
<b>22 42 39 00-0071</b>		<b>Service Sink Faucets (22 42 39)</b>			
22 42 39 00-0072	EA	4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™).....	381.91		78.01
22 42 39 00-0073	EA	3" Spout, Wall Mount, Service Sink Faucet With Lever Handles (American Standard 8340.235).....	280.07		78.01
22 42 39 00-0074	EA	3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243).....	299.79		78.01
22 42 39 00-0075	EA	6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012).....	310.02		78.01
22 42 39 00-0076	EA	7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101).....	407.29		109.36
22 42 39 00-0077	EA	7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110).....	457.02		124.64
22 42 39 00-0078	EA	11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115).....	521.31		124.64
22 42 39 00-0079	EA	Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRCF).....	307.87		78.01
22 42 39 00-0080	EA	44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB).....	618.33		124.64
22 42 39 00-0081	EA	Wall Mount Service Sink Faucet, Stainless Steel With 10" Swing Spout, Lever Handles (Fisher 46302).....	469.93		78.01
22 42 39 00-0082	EA	Deck Mount Service Sink Faucet, Stainless Steel With 8" Swing Spout, Lever Handles (Fisher 57649).....	328.82		78.01
<b>22 42 39 00-0083</b>		<b>Laboratory Faucets And Fittings (22 42 39)</b>			
22 42 39 00-0084	EA	Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927).....	155.45		33.18
22 42 39 00-0085	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929).....	252.15		46.85
22 42 39 00-0086	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930).....	322.46		46.85
22 42 39 00-0087	EA	Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933).....	202.97		43.76
22 42 39 00-0088	EA	6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940).....	276.76		62.41
22 42 39 00-0089	EA	6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP).....	368.43		62.41
22 42 39 00-0090	EA	Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946).....	293.76		46.85
22 42 39 00-0091	EA	Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942).....	293.42		62.41
22 42 39 00-0092	EA	Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP).....	190.63		36.02
22 42 39 00-0093	EA	Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP).....	268.63		50.88
22 42 39 00-0094	EA	4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802).....	210.54		50.88
22 42 39 00-0095	EA	4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317CP).....	253.65		50.88
22 42 39 00-0096	EA	Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP).....	71.69		31.30
22 42 39 00-0097	EA	Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP).....	404.10		56.23
22 42 39 00-0098	EA	Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP).....	514.85		56.23
22 42 39 00-0099	EA	Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP).....	615.75		56.23
22 42 39 00-0100	EA	Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP).....	546.46		56.23
22 42 39 00-0101	EA	Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM).....	647.50		56.23
22 42 39 00-0102	EA	Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA).....	119.32		30.93
22 42 39 00-0103	EA	90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA).....	165.67		37.11
22 42 39 00-0104	EA	180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA).....	165.67		37.11
22 42 39 00-0105	EA	Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA).....	212.00		43.29
22 42 39 00-0106	EA	Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA).....	258.33		49.48
<b>22 42 39 00-0107</b>		<b>Laboratory Countertop Faucets (22 42 39)</b>			
		Note: Includes final connection. Excludes rough-in.			
22 42 39 00-0108	EA	6" Gooseneck Deck Mount Single Valve Faucet (Fisher Hamilton 32L391).....	169.96		25.44
22 42 39 00-0109	EA	6" Gooseneck Deck Mount Hot And Cold Valve Faucet (Fisher Hamilton 32L406).....	228.78		25.44
22 42 39 00-0110	EA	Deionozed Water 6" Gooseneck Deck Mount Single Valve Faucet (Fisher Hamilton 32L512).....	231.13		25.44
22 42 39 00-0111	EA	Turret Deck Mount Air Or Gas Valve (Fisher Hamilton 30L535).....	78.68		15.26
<b>22 42 39 00-0112</b>		<b>Gooseneck Faucets With Independent Eyewash (22 42 39)</b>			
22 42 39 00-0113	EA	Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA).....	716.24		35.14
22 42 39 00-0114	EA	Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL).....	775.99		32.80
22 42 39 00-0115	EA	8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8).....	1,001.09		35.14
22 42 39 00-0116	EA	Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST).....	1,057.16		35.14
22 42 39 00-0117	EA	Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW).....	1,282.48		23.43
22 42 39 00-0118	EA	Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP).....	1,548.51		58.57
22 42 39 00-0119	EA	Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW).....	2,160.21		58.57
22 42 39 00-0120	EA	8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW).....	2,231.58		58.57
22 42 39 00-0121	EA	Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101).....	248.35		35.62
22 42 39 00-0122	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200).....	272.77		35.62

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 42 39 00-0123	EA		Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201).....	294.09	35.62
22 42 39 00-0124	EA		6 Gallon Capacity, Tempering Valve (WaterSaver AP3600).....	1,275.85	23.43

**22 42 39 00-0125 Bubblers And Glass Fillers** (22 42 39)

22 42 39 00-0126	EA		Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP).....	266.51	33.18
22 42 39 00-0127	EA		Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP).....	241.86	43.76
22 42 39 00-0128	EA		7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP).....	263.01	33.18
22 42 39 00-0129	EA		Wall Mount Glass Filler With Metering Valve And Push Button Handle (Chicago 324-665PSHCP).....	315.71	40.67
22 42 39 00-0130	EA		Stainless Steel Deck Mount Bubbler (Just JCB-4SS).....	389.06	40.67
22 42 39 00-0131	EA		Vandal Resistant Stainless Steel Deck Mount Bubbler (Just JSB-10-VR).....	403.27	40.67
22 42 39 00-0132	EA		Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP).....	170.74	47.52
22 42 39 00-0133	EA		Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF).....	311.11	36.02
22 42 39 00-0134	EA		Push Button Bubbler, 1/2" OD (Haws 5017LF).....	315.12	36.02
22 42 39 00-0135	EA		Push Button Bubbler, 3/8" NPT (Haws 5010-6427).....	264.35	36.02

**22 42 39 00-0136 Automatic Electronic Sensor Faucets** (22 42 39)

22 42 39 00-0137	EA		Electronic Lavatory Faucet (American Standard 6055.205.002).....	492.67	78.15
			<i>For Faucet With Temperature Control, Add</i>	<i>40.00</i>	
22 42 39 00-0138	EA		Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002).....	497.06	78.15
			<i>For Faucet With Temperature Control, Add</i>	<i>40.00</i>	
22 42 39 00-0139	EA		Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1).....	660.26	84.86
22 42 39 00-0140	EA		Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1).....	685.00	78.15
22 42 39 00-0141	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880).....	1,007.39	84.86
22 42 39 00-0142	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT).....	1,254.41	84.86
22 42 39 00-0143	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187).....	1,173.41	84.86
22 42 39 00-0144	EA		Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM).....	825.02	78.15
22 42 39 00-0145	EA		Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100).....	741.62	78.15
22 42 39 00-0146	EA		Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101).....	782.35	78.15
22 42 39 00-0147	EA		Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102).....	680.53	78.15
22 42 39 00-0148	EA		Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100).....	782.35	78.15
22 42 39 00-0149	EA		Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102).....	686.20	78.15
22 42 39 00-0150	EA		Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100).....	686.20	78.15
22 42 39 00-0151	EA		Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101).....	769.94	78.15
22 42 39 00-0152	EA		Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102).....	666.21	78.15
22 42 39 00-0153	EA		4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103).....	630.52	78.15
22 42 39 00-0154	EA		Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60).....	982.91	78.15

**22 42 39 00-0155 Singles** (22 42 39)

22 42 39 00-0156	EA		Stainless Steel Single Deck Faucet With 6" Swivel/Rigid Gooseneck Spout And Lever Handles (Fisher 58130).....	191.40	34.39
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**22 42 39 00-0157 Other Trim** (22 42 39)

22 42 39 00-0158	EA		Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330).....	15.61	5.09
22 42 39 00-0159	EA		1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP).....	100.58	15.26
22 42 39 00-0160	EA		1-1/4" Grid Strainer Tailpiece (Chicago Faucet 327-XCP).....	41.70	12.72
22 42 39 00-0161	EA		1-1/2" Grid Strainer Tailpiece (Chicago Faucet 327-X1-1/2TPCP).....	86.88	12.72
22 42 39 00-0162	EA		1/2" NPT x 3/8" Compression Chrome Angle Stop (Chicago Faucet 1005-ABCP).....	88.77	9.84
22 42 39 00-0163	EA		3/8" NPT x 3/8" Compression Chrome Angle Stop (Chicago Faucet 1004-ABCP).....	78.01	9.84
22 42 39 00-0164	EA		1/2" NPT x 3/8" Compression Chrome Angle Stop (Chicago Faucet 1015-ABCP).....	84.44	9.84
22 42 39 00-0165	EA		1/2" NPT x 1/2" NPT Chrome Straight Stop (Chicago Faucet 45-ABCP).....	85.28	9.84
22 42 39 00-0166	EA		3/4" NPT x 3/4" NPT Chrome Straight Stop (Chicago Faucet 375-ABCP).....	104.27	9.84
22 42 39 00-0167	EA		1/2" NPT x 1/2" NPT Chrome Straight Stop (Chicago Faucet 699-ABCP).....	137.66	9.84
22 42 39 00-0168	EA		Stainless Steel Hand Sink With Foot Pedals, 10" Deep.....	1,920.91	234.27
22 42 39 00-0169	EA		Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102).....	58.78	14.06
22 42 39 00-0170	EA		Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus).....	61.51	14.06
22 42 39 00-0171	EA		Lavatory Protective Enclosure (IPS Truebro Lav Shield).....	154.81	14.06
22 42 39 00-0172	EA		36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard).....	190.05	14.06
22 42 39 00-0173	EA		42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard).....	215.64	14.06
22 42 39 00-0174	EA		1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036).....	30.95	9.84
22 42 39 00-0175	EA		1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037).....	30.95	9.84
22 42 39 00-0176	EA		1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558).....	41.23	9.84
22 42 39 00-0177	PR		16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line (Pair).....	29.96	10.81
22 42 39 00-0178	EA		12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	18.50	6.36
22 42 39 00-0179	EA		12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	18.96	6.36

**22 42 39 00-0180 Removal And Reinstallation Of Fixtures And Trim** (22 42 39)

22 42 39 00-0181	EA		Removal And Reinstallation Of Faucet.....	81.40	
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**22 42 43 Flushometers** (22 42)

**22 42 43 00-0001 Water Closet Flush Valves** (22 42 43)

22 42 43 00-0002	EA		Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL).....	237.62	31.96
22 42 43 00-0003	EA		Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6).....	230.56	31.96
22 42 43 00-0004	EA		Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111).....	266.46	31.96
22 42 43 00-0005	EA		Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140).....	367.32	31.96
22 42 43 00-0006	EA		Top Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-142).....	407.80	31.96
22 42 43 00-0007	EA		Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S).....	740.14	31.96
22 42 43 00-0008	EA		Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S).....	742.92	31.96

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 42 43 00-0009	EA	Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S).....	783.75		31.96
22 42 43 00-0010	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113).....	728.93		31.96
22 42 43 00-0011	EA	Dual Flush Water Closet Flush Valve (Sloan UpperCut WES-115).....	326.03		31.96
		Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.			
22 42 43 00-0012	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110).....	564.58		31.96
22 42 43 00-0013	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A).....	320.49		31.96
22 42 43 00-0014	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X).....	317.70		31.96
22 42 43 00-0015	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A).....	318.61		28.11
22 42 43 00-0016	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X).....	346.12		28.11
22 42 43 00-0017	EA	1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN).....	750.72		31.96
22 42 43 00-0018	EA	Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32).....	821.88		31.96
22 42 43 00-0019	EA	1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31).....	1,045.40		31.96
22 42 43 00-0020	EA	1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32).....	1,045.40		31.96
22 42 43 00-0021	EA	Exposed Manual Water Closet Flush Valve (Zurn Z6000AV).....	200.01		31.96
22 42 43 00-0022	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS).....	680.14		31.96
22 42 43 00-0023	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV).....	674.10		31.96
22 42 43 00-0024	EA	Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A).....	334.13		28.11
22 42 43 00-0025	EA	6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451).....	103.04		4.82
22 42 43 00-0026	EA	Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28).....	519.36		31.96
22 42 43 00-0027	EA	Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET).....	255.26		31.96
22 42 43 00-0028	EA	Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET).....	694.50		31.96
<b>22 42 43 00-0029</b>		<b>Urinal Flush Valves</b> (22 42 43)			
22 42 43 00-0030	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL).....	197.71		31.96
		Note: 0.5, 1.0 or 1.5 GPF.			
22 42 43 00-0031	EA	1-1/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180).....	212.19		31.96
		Note: 1.0, 1.5 or 3.5 GPF.			
22 42 43 00-0032	EA	Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195).....	281.36		31.96
		Note: 1.0 or 1.5 GPF.			
22 42 43 00-0033	EA	Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197).....	338.35		31.96
		Note: 1.0 or 1.5 GPF.			
22 42 43 00-0034	EA	Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S).....	526.20		31.96
		Note: 1.0 or 1.5 GPF.			
22 42 43 00-0035	EA	Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S).....	703.53		31.96
		Note: 0.5, 1.0 or 1.5 GPF.			
22 42 43 00-0036	EA	Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S).....	787.99		31.96
		Note: 0.5, 1.0 or 1.5 GPF.			
22 42 43 00-0037	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1).....	517.73		31.96
		Note: 1.0 GPF.			
22 42 43 00-0038	EA	Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12).....	817.29		31.96
		Note: 0.5 GPF.			
22 42 43 00-0039	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV).....	234.37		31.96
		Note: 0.5, 1.0 or 1.5 GPF.			
22 42 43 00-0040	EA	Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13).....	472.51		31.96
		Note: 0.13 GPF.			
22 42 43 00-0041	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV-ULF).....	224.89		31.96
		Note: 0.125 GPF.			
22 42 43 00-0042	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Zurn ZTR6203-ULF).....	557.53		31.96
		Note: 0.125 GPF.			
22 42 43 00-0043	EA	Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS).....	565.58		31.96
		Note: 0.125 GPF.			
<b>22 42 43 00-0044</b>		<b>Removal And Reinstallation Of Fixtures And Trim</b> (22 42 43)			
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.			
22 42 43 00-0045	EA	Removal And Reinstallation Of Flush Valve.....	127.19		
<b>22 42 43 00-0046</b>		<b>Plumbing Control Transformers</b> (22 42 43)			
22 42 43 00-0047	EA	6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6).....	47.64		
<b>22 42 46</b>		<b>Chemical Toilets</b> (22 42)			
		Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.			
<b>22 42 46 00-0001</b>		<b>Standard Chemical Toilets</b> (22 42 46)			
<b>22 42 46 00-0002</b>		<b>Small Tank Chemical Toilets</b> (22 42 46 00-0001)			
22 42 46 00-0003	EA	Chemical Toilet, Small Tank 7,000 Uses/Year.....	3,911.51		937.09
		For Extra Urinal, Add	128.76		
<b>22 42 46 00-0004</b>		<b>Medium Tank Chemical Toilets</b> (22 42 46 00-0001)			
22 42 46 00-0005	EA	Chemical Toilet, Medium Tank 13,000 Uses/Year.....	4,647.24		1,116.08
		For Extra Urinal, Add	152.36		
<b>22 42 46 00-0006</b>		<b>Large Tank Chemical Toilets</b> (22 42 46 00-0001)			
22 42 46 00-0007	EA	Chemical Toilet, Large Tank 28,000 Uses/Year.....	5,647.17		1,266.01
		For Extra Urinal, Add	210.52		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**22 43 Healthcare Plumbing Fixtures** (22 40)

**22 43 13 Healthcare Water Closets** (22 43)

**22 43 13 00-0001 Healthcare Water Closets** (22 43 13)

22 43 13 00-0002	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA).....	786.98	97.46
22 43 13 00-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA).....	616.12	97.46

**22 43 16 Healthcare Sinks** (22 43)

**22 43 16 00-0001 Healthcare Sinks** (22 43 16)

Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.

22 43 16 00-0002	EA	25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard).....	1,129.81	62.78
		<i>For Stainless Steel Rim Guards (Three Sides), Add</i> .....	103.67	
22 43 16 00-0003	EA	29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard).....	1,211.99	180.39
		<i>For Stainless Steel Rim Guards (Three Sides), Add</i> .....	103.67	
		<i>For Pedestal Base, Add</i> .....	475.30	
22 43 16 00-0004	EA	28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard).....	1,084.17	62.78
		<i>For Painted Bracket Supports, Add</i> .....	165.82	
22 43 16 00-0005	EA	20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard).....	947.25	62.78

**22 43 39 Healthcare Faucets** (22 43)

**22 43 39 00-0001 Medical Faucet Spouts** (22 43 39)

22 43 39 00-0002	EA	Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522).....	94.21	14.06
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**22 43 39 00-0003 Electronic Proximity Medical Faucets** (22 43 39)

22 43 39 00-0004	EA	DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU).....	541.49	68.78
		<i>For Hard Wired AC Powered, Add</i> .....	23.61	

**22 43 39 00-0005 Foot And Knee Faucet Controls** (22 43 39)

22 43 39 00-0006	EA	Single Supply Metering Pedal Valve (Chicago Faucet 628).....	331.08	125.01
22 43 39 00-0007	EA	Double Supply Metering Pedal Valve (Chicago Faucet 625).....	381.49	125.01
22 43 39 00-0008	EA	Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP).....	770.07	125.01
22 43 39 00-0009	EA	Double Knee Actuated Metering Mixing Valve (American Standard 7676).....	625.16	125.01

**22 43 39 00-0010 Centerset Medical Faucets** (22 43 39)

22 43 39 00-0011	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04).....	420.45	68.78
22 43 39 00-0012	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04).....	425.01	68.78
22 43 39 00-0013	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04).....	424.55	68.78
22 43 39 00-0014	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04).....	381.17	68.78
22 43 39 00-0015	EA	Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04).....	365.65	68.78

**22 43 39 00-0016 Bedpan Washers** (22 43 39)

22 43 39 00-0017	EA	Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675).....	987.22	125.01
22 43 39 00-0018	EA	Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676).....	939.41	125.01
22 43 39 00-0019	EA	Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685).....	925.25	125.01
22 43 39 00-0020	EA	Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686).....	911.48	125.01

**22 43 43 Healthcare Plumbing Fixture Flushometers** (22 43)

**22 43 43 00-0001 Healthcare Plumbing Fixture Flushometers** (22 43 43)

22 43 43 00-0002	EA	Exposed Manual Service Sink Flush Valve (Sloan Royal-117).....	214.37	31.96
22 43 43 00-0003	EA	Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW).....	480.70	31.96

**22 43 46 Healthcare Patient Care Units** (22 43)

**22 43 46 00-0001 Patient Care Units** (22 43 46)

22 43 46 00-0002	EA	47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV).....	13,799.99	187.42
		<i>For SDB Single Temperature Dialysis Box, Add</i> .....	999.81	
		<i>For DDB Dual Temperature Dialysis Box, Add</i> .....	1,061.91	
		<i>For BWSEV Bedpan Washer With Elevated Valve, Add</i> .....	798.46	
		<i>For LOCK Flush Valve Lockout Device, Add</i> .....	563.56	

**22 Plumbing****22 40 Plumbing Fixtures****22 43 Healthcare Plumbing Fixtures**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 43 46 00-0003	EA	31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB).....	10,883.83		164.00
		For SDB Single Temperature Dialysis Box, Add	999.81		
		For DDB Dual Temperature Dialysis Box, Add	1,061.91		
		For BWSEV Bedpan Washer With Elevated Valve, Add	798.46		
		For LOCK Flush Valve Lockout Device, Add	563.56		
<b>22 43 46 00-0004</b>		<b>Patient Care Plumbing Accessories (22 43 46)</b>			
22 43 46 00-0005	EA	One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920).....	1,312.16		25.44
22 43 46 00-0006	EA	Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919).....	1,444.75		25.44
<b>22 45</b>		<b>Emergency Plumbing Fixtures (22 40)</b>			
<b>22 45 13</b>		<b>Emergency Showers (22 45)</b>			
<b>22 45 13 00-0001</b>		<b>Emergency Drench Showers (22 45 13)</b>			
<b>22 45 13 00-0002</b>		<b>Emergency Drench Showers (Haws) (22 45 13 00-0001)</b>			
		Note: Includes one pull rod.			
22 45 13 00-0003	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122).....	604.71		164.00
22 45 13 00-0004	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123).....	690.59		164.00
22 45 13 00-0005	EA	Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC).....	738.30		164.00
22 45 13 00-0006	EA	Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130).....	881.44		164.00
22 45 13 00-0007	EA	Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H).....	1,177.25		164.00
22 45 13 00-0008	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100).....	937.84		187.42
22 45 13 00-0009	EA	Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP).....	1,027.63		210.85
22 45 13 00-0010	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169).....	936.98		210.85
22 45 13 00-0011	EA	Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163).....	956.06		210.85
22 45 13 00-0012	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164).....	1,313.90		210.85
<b>22 45 13 00-0013</b>		<b>Emergency Drench Showers (Speakman) (22 45 13 00-0001)</b>			
		Note: Includes one pull rod.			
22 45 13 00-0014	EA	Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220).....	524.54		164.00
22 45 13 00-0015	EA	Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227).....	539.22		164.00
22 45 13 00-0016	EA	Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253).....	832.39		187.42
<b>22 45 13 00-0017</b>		<b>Emergency Drench Showers (WaterSaver) (22 45 13 00-0001)</b>			
		Note: Includes one pull rod.			
22 45 13 00-0018	EA	Emergency Shower, Vertically Mounted (WaterSaver ES635).....	683.97		164.00
22 45 13 00-0019	EA	Emergency Shower, Horizontally Mounted (WaterSaver ES643).....	699.54		164.00
22 45 13 00-0020	EA	All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691).....	1,461.91		164.00
22 45 13 00-0021	EA	Emergency Shower, Recess Mounted (WaterSaver ES629).....	1,076.24		210.85
22 45 13 00-0022	EA	Emergency Shower, Semi-Concealed (WaterSaver ES658).....	1,428.47		210.85
<b>22 45 16</b>		<b>Eyewash Equipment (22 45)</b>			
<b>22 45 16 00-0001</b>		<b>Emergency Eyewash Equipment (22 45 16)</b>			
<b>22 45 16 00-0002</b>		<b>Emergency Eyewash Equipment (Haws) (22 45 16 00-0001)</b>			
22 45 16 00-0003	EA	Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620).....	257.47		4.69
22 45 16 00-0004	EA	Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP).....	1,237.57		210.85
<b>22 45 16 00-0005</b>		<b>Emergency Eyewash Equipment (WaterSaver) (22 45 16 00-0001)</b>			
22 45 16 00-0006	EA	Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805).....	654.66		46.85
22 45 16 00-0007	EA	Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH).....	654.66		46.85
22 45 16 00-0008	EA	Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806).....	666.45		46.85
22 45 16 00-0009	EA	Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH).....	666.45		46.85
22 45 16 00-0010	EA	Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822).....	882.99		46.85
22 45 16 00-0011	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848).....	1,004.98		46.85
22 45 16 00-0012	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849).....	1,004.98		46.85
22 45 16 00-0013	EA	Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893).....	1,855.79		46.85
22 45 16 00-0014	EA	Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH).....	1,855.79		46.85
22 45 16 00-0015	EA	Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895).....	1,941.63		46.85
22 45 16 00-0016	EA	Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH).....	1,941.63		46.85
22 45 16 00-0017	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898).....	2,393.32		46.85
22 45 16 00-0018	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899).....	2,393.32		46.85
22 45 16 00-0019	EA	Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808).....	1,218.04		164.00
22 45 16 00-0020	EA	Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810).....	1,201.39		164.00
22 45 16 00-0021	EA	Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814).....	873.23		164.00
22 45 16 00-0022	EA	Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC).....	1,219.30		164.00
22 45 16 00-0023	EA	Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P).....	749.68		164.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**22 45 23 Personal Eyewash Equipment (22 45)**

22 45 23 00-0001	Portable Eyewash Equipment (22 45 23)		
22 45 23 00-0002	Portable Eyewash Equipment (Bradley) (22 45 23 00-0001)		
22 45 23 00-0003	EA Portable (Wall Mounted) Heated Gravity-Fed Emergency Eye/Face Wash (Bradley S19-921H)	1,460.80	14.06

**22 45 26 Eye/Face Wash Equipment (22 45)**

22 45 26 00-0001	Emergency Eye/Face Wash Equipment (22 45 26)		
22 45 26 00-0002	Emergency Eye/Face Wash Equipment (Haws) (22 45 26 00-0001)		

22 45 26 00-0003	EA Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460) ..... Note: Excludes p-trap and tailpiece.	649.36	117.14
22 45 26 00-0004	EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324).....	657.19	164.00
22 45 26 00-0005	EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B)..... Note: Excludes p-trap and tailpiece.	642.88	164.00
22 45 26 00-0006	EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT) ..... Note: Excludes p-trap and tailpiece.	699.18	164.00
22 45 26 00-0007	EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B)..... Note: Excludes p-trap and tailpiece.	704.90	164.00
22 45 26 00-0008	EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT) ..... Note: Excludes p-trap and tailpiece.	772.66	164.00
22 45 26 00-0009	EA Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC).....	1,043.66	164.00
22 45 26 00-0010	EA Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B) .....	1,950.19	164.00
22 45 26 00-0011	EA Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271) .....	804.25	187.42
22 45 26 00-0012	EA Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461).....	913.99	187.42
22 45 26 00-0013	EA Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777).....	2,020.90	187.42
22 45 26 00-0014	EA Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611) .....	537.43	46.85
22 45 26 00-0015	EA Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612) .....	518.35	46.85
22 45 26 00-0016	EA Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH) .....	542.20	46.85
22 45 26 00-0017	EA Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610).....	680.57	46.85
22 45 26 00-0018	EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC) .....	1,670.88	234.27
22 45 26 00-0019	EA Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM).....	2,011.36	187.42
22 45 26 00-0020	EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC).....	2,071.66	234.27
22 45 26 00-0021	EA Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM).....	2,421.68	187.42

**22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) (22 45 26 00-0001)**

22 45 26 00-0023	EA Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495).....	585.71	164.00
22 45 26 00-0024	EA Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496).....	714.94	187.42

**22 45 26 00-0025 Emergency Eye/Face Wash Equipment (WaterSaver) (22 45 26 00-0001)**

22 45 26 00-0026	EA Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724).....	1,090.40	164.00
22 45 26 00-0027	EA Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC).....	1,436.47	164.00
22 45 26 00-0028	EA Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727).....	1,392.47	164.00
22 45 26 00-0029	EA Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765).....	1,287.49	164.00
22 45 26 00-0030	EA Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774) .....	689.00	46.85
22 45 26 00-0031	EA Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH) .....	689.00	46.85
22 45 26 00-0032	EA Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775) .....	668.52	46.85
22 45 26 00-0033	EA Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH) .....	668.52	46.85
22 45 26 00-0034	EA Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778) .....	1,020.37	46.85
22 45 26 00-0035	EA Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779).....	1,020.37	46.85

**22 45 26 00-0036 Emergency Eye/Face Wash Equipment (Guardian) (22 45 26 00-0001)**

Note: Includes one pull rod.			
22 45 26 00-0037	EA All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994) .....	3,908.13	164.00

**22 45 29 Hand-Held Emergency Drench Hoses (22 45)**

22 45 29 00-0001	Hand-Held Emergency Eye/Face/Body Wash With Hose (22 45 29)		
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**22 Plumbing****22 40 Plumbing Fixtures****22 45 Emergency Plumbing Fixtures**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 45 29 00-0002		<b>Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) (22 45 29 00-0001)</b>			
22 45 29 00-0003	EA	Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904).....		575.18	58.57
22 45 29 00-0004	EA	Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905).....		661.06	58.57
22 45 29 00-0005		<b>Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) (22 45 29 00-0001)</b>			
22 45 29 00-0006	EA	Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020).....		529.85	58.57
22 45 29 00-0007	EA	Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025).....		488.75	58.57
22 45 29 00-0008	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014).....		730.57	58.57
22 45 29 00-0009	EA	Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022).....		684.83	58.57
22 45 29 00-0010	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026).....		701.21	58.57
22 45 29 00-0011	EA	Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028).....		916.85	58.57
22 45 29 00-0012	EA	Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB).....		1,060.27	58.57
22 45 29 00-0013	EA	Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041).....		1,011.64	58.57
22 45 33		<b>Combination Emergency Fixture Units (22 45)</b>			
22 45 33 00-0001		<b>Emergency Shower With Eye/Face Wash (22 45 33)</b>			
22 45 33 00-0002		<b>Emergency Shower With Eye/Face Wash (Haws) (22 45 33 00-0001)</b>			
22 45 33 00-0003	EA	Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330).....		3,400.26	304.56
22 45 33 00-0004	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP).....		2,312.43	304.56
		Note: Includes freeze protection bury valve.			
22 45 33 00-0005	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309).....		1,620.60	304.56
22 45 33 00-0006	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158).....		2,560.53	304.56
22 45 33 00-0007	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP).....		1,887.79	304.56
22 45 33 00-0008	EA	Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC).....		1,778.05	304.56
22 45 33 00-0009	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317).....		1,525.18	304.56
22 45 33 00-0010	EA	Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336).....		2,474.65	304.56
22 45 33 00-0011	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC).....		2,708.44	304.56
22 45 33 00-0012	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW).....		2,760.92	304.56
22 45 33 00-0013	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC).....		3,080.59	304.56
22 45 33 00-0014	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD).....		3,266.67	304.56
22 45 33 00-0015	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW).....		3,214.19	304.56
22 45 33 00-0016	EA	Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP).....		4,788.68	304.56
22 45 33 00-0017	EA	Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V).....		5,046.33	304.56
22 45 33 00-0018	EA	Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1).....		10,628.63	304.56
22 45 33 00-0019	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325).....		1,525.18	304.56
22 45 33 00-0020	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP).....		1,720.80	304.56
22 45 33 00-0021		<b>Emergency Shower With Eye/Face Wash (Speakman) (22 45 33 00-0001)</b>			
22 45 33 00-0022	EA	Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690).....		1,361.09	304.56
22 45 33 00-0023		<b>Emergency Shower With Eye/Face Wash (WaterSaver) (22 45 33 00-0001)</b>			
22 45 33 00-0024	EA	All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994).....		4,794.48	254.37
22 45 33 00-0025	EA	Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC).....		4,898.77	254.37
22 45 33 00-0026	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902).....		1,959.47	254.37
22 45 33 00-0027	EA	Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P).....		1,797.21	254.37
22 45 33 00-0028	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC).....		2,305.53	254.37

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**22 45 36 Emergency Fixture Water-Tempering Equipment (22 45)**

<b>22 45 36 00-0001 Emergency Fixture Water-Tempering Equipment (22 45 36)</b>		
<b>22 45 36 00-0002 Emergency Fixture Water-Tempering Equipment (Haws) (22 45 36 00-0001)</b>		
22 45 36 00-0003 EA	10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW).....	608.57 58.57
22 45 36 00-0004 EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE).....	890.07 58.57
22 45 36 00-0005 EA	31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E).....	1,305.17 58.57
22 45 36 00-0006 EA	78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E).....	1,538.96 58.57
22 45 36 00-0007 EA	31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H).....	2,178.30 58.57
22 45 36 00-0008 EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE).....	2,297.58 58.57
22 45 36 00-0009 EA	74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE).....	3,857.76 58.57
22 45 36 00-0010 EA	78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF).....	4,635.47 58.57
22 45 36 00-0011 EA	1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B).....	680.14 58.57

**22 45 39 Emergency Plumbing Fixture Accessories (22 45)**

<b>22 45 39 00-0001 Emergency Plumbing Fixture Accessories (22 45 39)</b>		
<b>22 45 39 00-0002 Emergency Plumbing Fixture Accessories (Haws) (22 45 39 00-0001)</b>		
22 45 39 00-0003 EA	Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220).....	156.76 18.75
22 45 39 00-0004 EA	Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W).....	218.79 18.75
22 45 39 00-0005 EA	Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS).....	228.33 18.75
22 45 39 00-0006 EA	Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS).....	252.62 7.03
22 45 39 00-0007 EA	Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102).....	257.47 4.69
22 45 39 00-0008 EA	3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020).....	281.17 9.37
22 45 39 00-0009 EA	Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK).....	498.40 70.29
22 45 39 00-0010 EA	Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP).....	506.37 28.94
22 45 39 00-0011 EA	Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT).....	754.48 28.94
22 45 39 00-0012 EA	Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037).....	890.07 70.29
22 45 39 00-0013 EA	Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP).....	1,684.86 28.94
22 45 39 00-0014 EA	1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5).....	1,862.84 96.46
22 45 39 00-0015 EA	1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001).....	1,901.01 96.46
22 45 39 00-0016 EA	1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP).....	3,532.76 96.46
22 45 39 00-0017 EA	1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1).....	6,729.46 96.46
<b>22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) (22 45 39 00-0001)</b>		
22 45 39 00-0019 EA	Privacy Curtain For Emergency Showers..... Note: Curtain includes stainless steel curtain rod and mounting accessories.	882.17 70.29
<b>22 45 39 00-0020 Emergency Plumbing Fixture Accessories (WaterSaver) (22 45 39 00-0001)</b>		
22 45 39 00-0021 EA	Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC).....	140.35 15.26

**22 47 Drinking Fountains and Water Coolers (22 40)**

**22 47 13 Drinking Fountains (22 47)**

<b>22 47 13 00-0001 Indoor Drinking Fountains (22 47 13)</b>		
<b>22 47 13 00-0002 Face Mounted Indoor Drinking Fountain (22 47 13 00-0001)</b>		
22 47 13 00-0003 EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubblers, 180 Degree Push Bar (Halsey-Taylor OVL-II-S).....	1,501.20 152.28
22 47 13 00-0004 EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubblers, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP).....	2,173.99 164.00
22 47 13 00-0005 EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubblers, 180 Degree Push Bar (Halsey-Taylor OVL-II-E).....	1,967.98 152.28
22 47 13 00-0006 EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubblers, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP).....	2,342.09 164.00
22 47 13 00-0007 EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubblers, Rounded Corners (Halsey-Taylor HRFS).....	1,016.79 152.28
22 47 13 00-0008 EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubblers, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP).....	1,211.96 164.00
22 47 13 00-0009 EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubblers, Rounded Corners (Halsey-Taylor HRFE).....	1,145.92 152.28
22 47 13 00-0010 EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubblers, Rounded Corners (Halsey-Taylor HRFEBP).....	1,386.52 164.00
<b>22 47 13 00-0011 Wall Mounted Indoor Drinking Fountain (22 47 13 00-0001)</b>		
22 47 13 00-0012 EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubblers, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701).....	1,048.30 164.00

**22 Plumbing****22 40 Plumbing Fixtures****22 47 Drinking Fountains and Water Coolers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 47 13 00-0013	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubblers, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF).....	1,474.55		164.00
22 47 13 00-0014	EA	Bi-Level, Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubblers, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8BLWF).....	2,015.06		164.00
22 47 13 00-0015	EA	White Vitreous China Wall-Mounted Indoor Drinking Fountain With Bubblers, Backsplash, Side Push (Haws 1201).....	1,071.71		164.00
22 47 13 00-0016	EA	White Enameled Iron Wall-Mounted Indoor Drinking Fountain With Bubblers, Push, Barrier Free (Haws 1311 And 6700).....	1,595.75		164.00
<b>22 47 13 00-0017</b>		<b>Semi-Recessed Indoor Drinking Fountain (22 47 13 00-0001)</b>			
22 47 13 00-0018	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubblers (Halsey-Taylor 5801).....	1,398.57		175.70
22 47 13 00-0019	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubblers And Cuspidor (Halsey-Taylor 5801C).....	2,957.17		175.70
<b>22 47 13 00-0020</b>		<b>Fully Recessed Indoor Drinking Fountain (22 47 13 00-0001)</b>			
22 47 13 00-0021	EA	Stainless Steel Fully-Recessed, With Bubblers, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400).....	1,495.84		187.42
22 47 13 00-0022	EA	Stainless Steel Fully-Recessed, With Bubblers And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403).....	2,691.58		187.42
22 47 13 00-0023	EA	Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubblers, Barrier Free (Haws 2401).....	1,806.48		187.42
22 47 13 00-0024	EA	Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubblers, Barrier Free (Haws 2406).....	4,019.68		187.42
22 47 13 00-0025	EA	Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubblers (Haws 2403).....	2,751.91		187.42
<b>22 47 13 00-0026</b>		<b>Countertop Indoor Drinking Fountain (22 47 13 00-0001)</b>			
22 47 13 00-0027	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubblers (Halsey-Taylor 10000).....	629.55		117.14
22 47 13 00-0028	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubblers (Halsey-Taylor 6000).....	607.04		117.14
22 47 13 00-0029	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubblers (Halsey-Taylor 6028).....	730.39		117.14
<b>22 47 13 00-0030</b>		<b>Bowl And Bracket Indoor Drinking Fountain (22 47 13 00-0001)</b>			
22 47 13 00-0031	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubblers, Indoor Drinking Fountain (Halsey-Taylor 2501A).....	535.91		117.14
22 47 13 00-0032	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540).....	640.47		117.14
<b>22 47 13 00-0033</b>		<b>Multi-Station Indoor Drinking Fountain (22 47 13 00-0001)</b>			
22 47 13 00-0034	EA	Two Station, Stainless Steel, Indoor Drinking Fountains With Bubblers And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020).....	2,795.13		187.42
22 47 13 00-0035	EA	Three Station, Stainless Steel, Indoor Drinking Fountains With Bubblers And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030).....	3,504.61		187.42
22 47 13 00-0036	EA	Two Station, Marble, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120).....	2,668.08		187.42
22 47 13 00-0037	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430).....	2,256.69		187.42
22 47 13 00-0038	EA	Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435).....	2,831.14		187.42
22 47 13 00-0039	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1431).....	2,339.88		187.42
22 47 13 00-0040	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1501).....	2,383.64		187.42
22 47 13 00-0041	EA	White Enameled Iron, Dual Height, Drinking Fountain (Haws 1501 with 6715).....	2,759.43		239.07
22 47 13 00-0042	EA	Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4).....	2,483.29		239.07
22 47 13 00-0043	EA	Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441).....	3,810.41		187.42
22 47 13 00-0044	EA	Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408).....	3,744.21		187.42
<b>22 47 13 00-0045</b>		<b>Drinking Fountain Retro Kit (22 47 13 00-0001)</b>			
22 47 13 00-0046	EA	Stainless Steel Drinking Fountain Retro Kit; Acorn 2990-082-001.....	547.10		117.14
<b>22 47 13 00-0047</b>		<b>Outdoor Drinking Fountains (22 47 13)</b>			
<b>22 47 13 00-0048</b>		<b>Face Mounted Outdoor Drinking Fountains (22 47 13 00-0047)</b>			
22 47 13 00-0049	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubblers (Halsey-Taylor HRFE-FR).....	1,311.12		187.42
22 47 13 00-0050	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubblers (Halsey-Taylor HRFEBP-FR).....	1,433.38		187.42
22 47 13 00-0051	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4592).....	1,380.29		187.42
22 47 13 00-0052	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4592-FR).....	2,006.09		187.42
<b>22 47 13 00-0053</b>		<b>Free Standing Outdoor Drinking Fountains (22 47 13 00-0047)</b>			
22 47 13 00-0054	EA	Steel Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4715).....	2,450.78		175.70
22 47 13 00-0055	EA	Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4715-FR).....	3,426.48		175.70
22 47 13 00-0056	EA	Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4710).....	2,447.54		175.70
22 47 13 00-0057	EA	Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4710-FR).....	3,364.16		175.70
22 47 13 00-0058	EA	Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4720).....	3,626.07		187.42
22 47 13 00-0059	EA	Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4720-FR).....	3,691.22		187.42
22 47 13 00-0060	EA	Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4591).....	1,395.46		175.70
22 47 13 00-0061	EA	Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4590).....	2,380.00		175.70
22 47 13 00-0062	EA	Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4590-FR).....	3,355.69		175.70
22 47 13 00-0063	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4595).....	3,945.40		187.42
22 47 13 00-0064	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4595-FR).....	5,520.34		187.42

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 47 13 00-0065				Multi-Station Outdoor Drinking Fountains (22 47 13 00-0047)		
22 47 13 00-0066	EA			White Cast Aluminum Three Station Outdoor Drinking Fountains With Bubblers (HAWS 1408)	2,722.20	187.42

**22 47 16 Pressure Water Coolers (22 47)**

22 47 16 00-0001				Indoor Water Coolers (22 47 16)		
22 47 16 00-0002				Face Mounted Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0003	EA			Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q)	2,808.03	187.42
22 47 16 00-0004	EA			Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	2,995.45	187.42

**22 47 16 00-0005 Wall Mounted Indoor Water Coolers (22 47 16 00-0001)**

22 47 16 00-0006	EA			Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	1,356.16	187.42
22 47 16 00-0007	EA			Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q)	1,404.42	187.42
22 47 16 00-0008	EA			Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	1,555.64	187.42
22 47 16 00-0009	EA			Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	1,613.56	187.42
22 47 16 00-0010	EA			Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA)	1,204.94	187.42
22 47 16 00-0011	EA			Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS)	1,389.94	187.42
22 47 16 00-0012	EA			Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,101.18	187.42
22 47 16 00-0013	EA			Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL)	1,637.95	187.42
22 47 16 00-0014	EA			Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS)	1,839.58	281.13

**22 47 16 00-0015 Simulated Recessed Indoor Water Coolers (22 47 16 00-0001)**

22 47 16 00-0016	EA			Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q)	1,610.20	187.42
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**22 47 16 00-0017 Fully Recessed Indoor Water Coolers (22 47 16 00-0001)**

22 47 16 00-0018	EA			Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	3,097.77	210.85
22 47 16 00-0019	EA			Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	3,774.77	210.85
22 47 16 00-0020	EA			Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700)	4,411.35	210.85

**22 47 16 00-0021 Free Standing Indoor Water Coolers (22 47 16 00-0001)**

22 47 16 00-0022	EA			Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q)	1,303.66	164.00
22 47 16 00-0023	EA			Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q)	1,397.77	164.00
22 47 16 00-0024	EA			Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q)	1,581.97	164.00
22 47 16 00-0025	EA			Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q)	1,756.52	164.00

**22 47 16 00-0026 Bottled Water Coolers (22 47 16 00-0001)**

22 47 16 00-0027	EA			Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	458.74	93.71
22 47 16 00-0028	EA			Free-Standing Bottled Water Cooler With Chilled Or Hot Water	545.18	93.71

**22 47 16 00-0029 Multi-Station Indoor Water Coolers (22 47 16 00-0001)**

22 47 16 00-0030	EA			Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	3,114.49	281.13
22 47 16 00-0031	EA			Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q)	4,736.89	281.13
22 47 16 00-0032	EA			Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	1,989.99	281.13

**22 47 16 00-0033 Outdoor Water Coolers (22 47 16)**

**22 47 16 00-0034 Wall Mounted Outdoor Water Coolers (22 47 16 00-0033)**

22 47 16 00-0035	EA			Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS)	1,391.29	117.14
22 47 16 00-0036	EA			Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS)	2,377.09	117.14

**22 47 16 00-0037 Free Standing Outdoor Water Coolers (22 47 16 00-0033)**

22 47 16 00-0038	EA			Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q)	2,292.32	175.70
22 47 16 00-0039	EA			Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q)	2,742.77	175.70

**22 47 16 00-0040 Removal And Reinstallation Of Fixtures And Trim (22 47 16)**

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

**22 Plumbing****22 40 Plumbing Fixtures****22 47 Drinking Fountains and Water Coolers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 47 16 00-0041	EA	Removal And Reinstallation Of Wall Hung Water Cooler.....		456.10	
22 47 16 00-0042	EA	Removal And Reinstallation Of Floor Mount Water Cooler .....		101.75	
<b>22 47 19 Water-Station Water Coolers (22 47)</b>					
<b>22 47 19 00-0001 Bottle Filler (22 47 19)</b>					
22 47 19 00-0002	EA	Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF) .....		3,304.91	187.42
		<i>For Stainless Steel Carrier, Add</i>		205.00	
22 47 19 00-0003	EA	Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK) .....		4,174.35	187.42
		<i>For Stainless Steel Carrier, Add</i>		205.00	
22 47 19 00-0004	EA	Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1).....		5,353.89	210.85
		<i>For Stainless Steel Carrier, Add</i>		205.00	
22 47 19 00-0005	EA	Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2).....		5,782.40	210.85
		<i>For Stainless Steel Carrier, Add</i>		205.00	
22 47 19 00-0006	EA	Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3) .....		6,210.90	210.85
		<i>For Stainless Steel Carrier, Add</i>		205.00	
<b>22 47 19 00-0007 Indoor Bottle Filling Station (22 47 19)</b>					
22 47 19 00-0008	EA	Indoor Bottle Filling Station With Chiller, Recessed Mount (Halsey Taylor HTHB-8) .....		2,246.81	187.42
22 47 19 00-0009	EA	Indoor Bottle Filling Station Without Chiller, Recessed Mount (Halsey Taylor HTHB-LR).....		1,558.71	187.42
22 47 19 00-0010	EA	Indoor Bottle Filling Station, Surface Mount (Halsey Taylor HTHBMS-WF).....		1,264.76	187.42
22 47 19 00-0011	EA	Surface Mount, Battery Powered, Non-Filtered, Non-Refrigerated, Stainless Steel Botter Filling Station (Elkay EMASMB).....		1,054.08	187.42
<b>22 47 23 Remote Water Coolers (22 47)</b>					
<b>22 47 23 00-0001 Remote Chillers (22 47 23)</b>					
22 47 23 00-0002	EA	1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q).....		800.56	63.26
22 47 23 00-0003	EA	5 GPH Remote Chiller (Halsey-Taylor SJ5-Q) .....		1,211.97	70.29
22 47 23 00-0004	EA	8 GPH Remote Chiller (Halsey-Taylor SJ8-Q) .....		1,045.57	81.99
22 47 23 00-0005	EA	10 GPH Remote Chiller (Halsey-Taylor SJ10-Q) .....		1,343.29	93.71
22 47 23 00-0006	EA	19 GPH Remote Chiller (Halsey-Taylor SJ19-Q) .....		2,103.02	140.56
22 47 23 00-0007	EA	30 GPH Remote Chiller (Halsey-Taylor SJ30-Q) .....		2,280.06	152.28
<b>22 47 26 Fixture Carriers (22 47)</b>					
<b>22 47 26 00-0001 Water Cooler Carriers (22 47 26)</b>					
<b>22 47 26 00-0002 Floor Mounted, Water Cooler Carriers (22 47 26 00-0001)</b>					
		Note: Includes adjustable supporting rods, structural uprights and welded feet.			
22 47 26 00-0003	EA	Floor Mounted Hanger Plate Type, Single Water Cooler Carrier .....		425.06	35.61
		<i>For Up To 4" Extension Sleeves And Hardware, Add</i>		20.31	
		<i>For Bi-Level Carrier, Add</i>		233.84	
22 47 26 00-0004	EA	Floor Mounted Bearing Plate Type, Single Water Cooler Carrier.....		461.82	35.61
		<i>For Up To 4" Extension Sleeves And Hardware, Add</i>		20.31	
		<i>For Bi-Level Carrier, Add</i>		233.84	
<b>22 50 Pool and Fountain Plumbing Systems (22)</b>					
<b>22 51 Swimming Pool Plumbing Systems (22 50)</b>					
<b>22 51 13 Swimming Pool Piping (22 51)</b>					
<b>22 51 13 00-0001 Swimming Pool Gutters (22 51 13)</b>					
22 51 13 00-0002	LF	Swimming Pool Gutters, Stainless .....		284.89	21.09
<b>22 51 13 00-0003 Pool Drains (22 51 13)</b>					
<b>22 51 13 00-0004 Cast Iron Pool Drain With Bottom Outlet (22 51 13 00-0003)</b>					
		Note: Large square top and 24" loose set round super-flo grate.			
22 51 13 00-0005	EA	Cast Iron Pool Drain, 4" - 8" Bottom Outlet, Large Square Top And 24" Super-Flo Grate .....		1,920.45	59.04
		<i>For Polished Bronze Top, Add</i>		769.60	
		<i>For Chromium Plated Top, Add</i>		805.00	
		<i>For Galvanized Top, Add</i>		276.40	
		<i>For Vandal Proof Construction, Add</i>		57.20	
<b>22 51 13 00-0006 Cast Iron Pool Drain With Waterproof Flange (22 51 13 00-0003)</b>					
		Note: Bottom outlet 14" square top and loose set square flange.			
22 51 13 00-0007	EA	Cast Iron Pool Drain, 2" - 4" Bottom Outlet With Waterproof Flange And 14" Square Top .....		584.34	59.04
		<i>For Polished Bronze Top, Add</i>		133.50	
		<i>For Hinge Grate, Add</i>		28.60	
		<i>For Clamp Device, Add</i>		13.80	
		<i>For Supplementary Strainer, Add</i>		7.00	
		<i>For Chromium Plated Top, Add</i>		146.90	
		<i>For Vandal Proof Construction, Add</i>		17.10	
		<i>For Threaded Outlet, Add</i>		9.50	
		<i>For Galvanized Top, Add</i>		38.10	
		<i>For Ground Screw, Add</i>		18.30	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 51 13 00-0008	Pool Supply Fittings <small>(22 51 13)</small>		
22 51 13 00-0009	Cast Iron Pool Supply Fittings <small>(22 51 13 00-0008)</small>		
	Note: Includes polished bronze head and anchor flange and adjustable V-ported valve insert and threaded inlet.		
22 51 13 00-0010	EA Cast Iron Pool Fitting For 2" Pipe.....	737.56	105.43
	For Galvanized Head, Add	26.30	
	For Vandal Proof Construction, Add	11.50	
	For Grounding Screw, Add	18.30	
22 51 13 00-0011	EA Cast Iron Pool Fitting For 3" Pipe.....	737.56	105.43
	For Galvanized Head, Add	26.30	
	For Vandal Proof Construction, Add	11.50	
	For Grounding Screw, Add	18.30	
	For Chromium Plated Head, Add	11.50	
<b>22 51 16</b>	<b>Swimming Pool Pumps <small>(22 51)</small></b>		
22 51 16 00-0001	Variable Speed Pool Pumps <small>(22 51 16)</small>		
22 51 16 00-0002	EA 3 HP, Variable Speed Pool Pump With Vacuum Release (Pentair INTELLIFLO VS+SVRS 11017) .....	2,171.78	398.27
22 51 16 00-0003	EA Variable Speed Pool Pump (Hayward EcoStar SVRS SP3400VSP) .....	2,366.94	398.27
22 51 16 00-0004	EA Variable Speed Pool Pump With Vacuum Release (Hayward EcoStar SVRS SP3400VSPVR) .....	2,628.90	398.27
22 51 16 00-0005	Electric Powered Portable Vacuum Cleaner Pump <small>(22 51 16)</small>		
	Note: Includes 75' of 3 wire electric safety cord.		
22 51 16 00-0006	EA 1 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord .....	343.90	46.85
22 51 16 00-0007	EA 1-1/2 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord .....	616.74	46.85
22 51 16 00-0008	Gasoline Driven Portable Vacuum Cleaner Pump <small>(22 51 16)</small>		
22 51 16 00-0009	EA 3 HP Gasoline Driven Portable Vacuum Cleaner Pump .....	2,430.60	46.85
<b>22 51 19</b>	<b>Swimming Pool Water Treatment Equipment <small>(22 51)</small></b>		
22 51 19 00-0001	Condensing Pool Water Heater <small>(22 51 19)</small>		
22 51 19 00-0002	EA 372 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN400) .....	28,220.57	671.55
22 51 19 00-0003	EA 467 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN501) .....	30,785.41	805.85
22 51 19 00-0004	EA 567 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN601) .....	33,753.63	873.02
22 51 19 00-0005	EA 660 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN701) .....	41,392.25	940.17
22 51 19 00-0006	EA 773 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN801) .....	42,952.45	1,007.32
22 51 19 00-0007	EA 967 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1015) .....	64,932.94	1,208.79
22 51 19 00-0008	EA 1,257 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1320) .....	83,057.37	1,275.94
22 51 19 00-0009	EA 1,450 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1520) .....	86,434.03	1,376.68
22 51 19 00-0010	Non Condensing Pool Water Heater <small>(22 51 19)</small>		
22 51 19 00-0011	EA 500 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0502) .....	15,477.97	873.02
22 51 19 00-0012	EA 650 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0652) .....	16,501.16	940.17
22 51 19 00-0013	EA 750 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0752) .....	17,967.50	1,007.32
22 51 19 00-0014	EA 990 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0992) .....	23,676.28	1,208.79
22 51 19 00-0015	EA 1,260 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1262) .....	27,367.04	1,275.94
22 51 19 00-0016	EA 1,440 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1442) .....	29,223.27	1,376.68
22 51 19 00-0017	EA 1,800 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1802) .....	28,998.92	1,443.83
22 51 19 00-0018	EA 2,070 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN2072) .....	37,368.59	1,477.40
22 51 19 00-0019	Swimming Pool Heaters <small>(22 51 19)</small>		
	Note: Excludes wiring, external piping, base or pad. Commercial pools.		
22 51 19 00-0020	Electric Pool Heaters <small>(22 51 19 00-0019)</small>		
22 51 19 00-0021	EA 12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool .....	5,014.62	187.42
22 51 19 00-0022	EA 18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool .....	5,616.52	201.48
22 51 19 00-0023	EA 24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool .....	6,224.24	234.27
22 51 19 00-0024	EA 30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool .....	6,542.21	281.13
22 51 19 00-0025	EA 36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool .....	7,078.85	393.58
22 51 19 00-0026	EA 60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool .....	7,957.48	562.25
22 51 19 00-0027	Gas Fired Pool Heaters <small>(22 51 19 00-0019)</small>		
22 51 19 00-0028	EA 120 MBH Output Gas Fired Pool Heater .....	5,139.53	887.40
22 51 19 00-0029	EA 180 MBH Output Gas Fired Pool Heater .....	5,837.41	1,014.17
22 51 19 00-0030	EA 240 MBH Output Gas Fired Pool Heater .....	6,596.34	1,140.93
22 51 19 00-0031	EA 300 MBH Output Gas Fired Pool Heater .....	7,585.21	1,394.48
22 51 19 00-0032	EA 360 MBH Output Gas Fired Pool Heater .....	7,811.52	1,472.27
22 51 19 00-0033	EA 400 MBH Output Gas Fired Pool Heater .....	9,163.43	1,805.87
22 51 19 00-0034	EA 500 MBH Output Gas Fired Pool Heater .....	14,465.08	2,083.69

**22 Plumbing****22 50 Pool and Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 51 19 00-0035	EA	600 MBH Output Gas Fired Pool Heater.....	16,781.47		2,292.06
22 51 19 00-0036	EA	750 MBH Output Gas Fired Pool Heater.....	18,929.49		2,500.42
22 51 19 00-0037	EA	1,000 MBH Output Gas Fired Pool Heater.....	24,288.16		2,951.89
<b>22 51 19 00-0038</b>		<b>Surge Tanks</b> <small>(22 51 19)</small>			
		Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.			
22 51 19 00-0039	EA	1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	14,096.04		724.99
22 51 19 00-0040	EA	1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	15,754.63		724.99
22 51 19 00-0041	EA	2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	19,078.08		927.92
22 51 19 00-0042	EA	5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	25,465.61		1,497.57
<b>22 51 19 00-0043</b>		<b>Diatomite Type Filter System</b> <small>(22 51 19)</small>			
22 51 19 00-0044	EA	35,000 Gallon Filter System, Diatomite.....	13,807.58		2,646.87
22 51 19 00-0045	EA	45,000 Gallon Filter System, Diatomite.....	16,430.81		3,176.25
<b>22 51 19 00-0046</b>		<b>Silver Recovery System, X-Ray Film Processing</b> <small>(22 51 19)</small>			
22 51 19 00-0047	EA	20 Gallon/Day Capacity, Silver Recovery System.....	2,188.89		317.97
22 51 19 00-0048	EA	40 Gallon/Day Capacity, Silver Recovery System.....	3,247.94		423.99
<b>22 51 19 00-0049</b>		<b>Inline Water Filter</b> <small>(22 51 19)</small>			
		Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.			
22 51 19 00-0050	EA	2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body.....	265.92		93.71
22 51 19 00-0051	EA	6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body.....	526.17		140.56
<b>22 51 19 00-0052</b>		<b>Horizontal High Rate Sand Filters</b> <small>(22 51 19)</small>			
		Note: Includes sand, filter system equipment and attached accessory gauges.			
22 51 19 00-0053	EA	135-270 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 1 tank, 4" pipe size, Miami Tanks model # HH3614-A.	28,988.14		2,000.62
22 51 19 00-0054	EA	135-270 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 1 tank, 4" pipe size, Miami tanks model # HH3614-M.	18,020.97		2,000.62
22 51 19 00-0055	EA	270-405 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 2 tank, 4" pipe size, Miami tanks model # HH3624-A.	40,636.77		4,001.24
22 51 19 00-0056	EA	270-405 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 2 tank, 4" pipe size, Miami tanks model # HH3624-M.	32,504.34		4,001.24
22 51 19 00-0057	EA	270-540 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 2 tank, 6" pipe size, Miami tanks model # HH3626-A.	41,725.93		4,001.24
22 51 19 00-0058	EA	270-540 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 2 tank, 6" pipe size, Miami tanks model # HH3626-M.	33,756.15		4,001.24
22 51 19 00-0059	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 3 tank, 6" pipe size, Miami tanks model # HH3636-A.	57,246.01		6,001.86
22 51 19 00-0060	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 3 tank, 6" pipe size, Miami tanks model # HH3636-M.	45,149.02		6,001.86
22 51 19 00-0061	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 3 tank, 8" pipe size, Miami tanks model # HH3638-A.	58,814.41		6,001.86
22 51 19 00-0062	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 3 tank, 8" pipe size, Miami tanks model # HH3638-M.	49,686.17		6,001.86
22 51 19 00-0063	EA	540-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 4 tank, 6" pipe size, Miami tanks model # HH3646-A.	74,003.26		8,002.48
22 51 19 00-0064	EA	540-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 4 tank, 6" pipe size, Miami tanks model # HH3646-M.	63,753.49		8,002.48
22 51 19 00-0065	EA	675 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 5 tank, 6" pipe size, Miami tanks model # HH3656-A.	90,096.15		10,003.10
22 51 19 00-0066	EA	675 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 5 tank, 6" pipe size, Miami tanks model # HH3656-M.	76,895.47		10,003.10
22 51 19 00-0067	EA	675-1350 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 5 tank, 8" pipe size, Miami tanks model # HH3658-A.	92,503.93		10,003.10
22 51 19 00-0068	EA	675-1350 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 5 tank, 8" pipe size, Miami tanks model # HH3658-M.	79,527.72		10,003.10
22 51 19 00-0069	EA	810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 6 tank, 6" pipe size, Miami tanks model # HH3666-A.	107,034.46		12,003.72
22 51 19 00-0070	EA	810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 6 tank, 6" pipe size, Miami tanks model # HH3666-M.	92,349.61		12,003.72
22 51 19 00-0071	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 6 tank, 8" pipe size, Miami tanks model # HH3668-A.	109,137.28		12,003.72
22 51 19 00-0072	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 6 tank, 8" pipe size, Miami tanks model # HH3668-M.	94,061.82		12,003.72
22 51 19 00-0073	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 6 tank, 10" pipe size, Miami tanks model # HH36610-A.	111,951.68		12,003.72
22 51 19 00-0074	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 6 tank, 10" pipe size, Miami tanks model # HH36610-M.	90,438.49		12,003.72
22 51 19 00-0075	EA	945-1418 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 7 tank, 8" pipe size, Miami tanks model # HH3678-A.	126,088.08		14,004.34
22 51 19 00-0076	EA	945-1418 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 7 tank, 8" pipe size, Miami tanks model # HH3678-M.	111,402.19		14,004.34
22 51 19 00-0077	EA	945-1890 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 7 tank, 10" pipe size, Miami tanks model # HH36710-A.	129,627.55		14,004.34
22 51 19 00-0078	EA	945-1890 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 7 tank, 10" pipe size, Miami tanks model # HH36710-M.	114,544.80		14,004.34
22 51 19 00-0079	EA	1080-2160 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 8 tank, 10" pipe size, Miami tanks model # HH36810-A.	144,436.97		16,004.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0080 EA 1080-2160 GPM Horizontal Hi-Rate Sand Filter, Manual Controls ..... Note: 8 tank, 10" pipe size, Miami tanks model # HH36810-M.	129,516.86	16,004.96
<b>22 51 19 00-0081 Swimming Pool Chlorinators (22 51 19)</b>		
22 51 19 00-0082 EA Swimming Pool Chlorinator, 50-100 PPD, Direct Cylinder Mounted Gas Chlorinator .....	1,056.27	134.01
<b>22 51 19 00-0083 Ultra-Violet Pool Treatment Lights (22 51 19)</b>		
<b>22 51 19 00-0084 Stainless Steel Ultra-Violet Pool Treatment Lights (22 51 19 00-0083)</b> Note: Delta ELP Amalgam Series		
22 51 19 00-0085 EA 3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	10,917.03	292.16
22 51 19 00-0086 EA 3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	11,538.49	292.16
22 51 19 00-0087 EA 3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	12,071.19	292.16
22 51 19 00-0088 EA 4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	12,454.67	309.44
22 51 19 00-0089 EA 4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	12,718.65	309.44
22 51 19 00-0090 EA 4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	15,115.70	309.44
22 51 19 00-0091 EA 6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	17,870.84	545.95
22 51 19 00-0092 EA 6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	26,447.86	545.95
22 51 19 00-0093 EA 6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	29,024.66	545.95
22 51 19 00-0094 EA 8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	31,139.23	654.97
22 51 19 00-0095 EA 8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	33,434.51	654.97
22 51 19 00-0096 EA 8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	35,036.89	654.97
22 51 19 00-0097 EA 8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	36,769.19	654.97
22 51 19 00-0098 EA 10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	39,502.34	744.49
22 51 19 00-0099 EA 10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	42,533.86	744.49
22 51 19 00-0100 EA 10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	45,565.38	744.49
22 51 19 00-0101 EA 10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	49,246.50	744.49
<b>22 51 19 00-0102 HDPE Ultra-Violet Pool Treatment Lights (22 51 19 00-0083)</b> Note: Delta EL Series		
22 51 19 00-0103 EA 3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing.....	5,471.15	292.16
22 51 19 00-0104 EA 3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing.....	6,077.43	292.16
22 51 19 00-0105 EA 4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing.....	6,709.77	309.44
<b>22 51 19 00-0106 In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights (22 51 19 00-0083)</b> Note: Delta EM Series		
22 51 19 00-0107 EA 3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	21,061.79	292.16
22 51 19 00-0108 EA 3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	21,278.31	292.16
22 51 19 00-0109 EA 6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	22,753.76	545.95
22 51 19 00-0110 EA 6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	28,790.79	545.95
22 51 19 00-0111 EA 8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	40,147.16	654.97
22 51 19 00-0112 EA 10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	45,305.54	744.49
22 51 19 00-0113 EA 12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	53,433.22	963.41
22 51 19 00-0114 EA 12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	59,929.31	963.41
<b>22 51 23 Swimming Pool Equipment Controls (22 51)</b>		
<b>22 51 23 00-0001 Pool Pump Variable Frequency Drive (22 51 23)</b> Note: Pentair Acu Drive XS		
22 51 23 00-0002 EA 3 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01).....	3,475.40	185.20
22 51 23 00-0003 EA 5 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01).....	3,732.29	208.36
22 51 23 00-0004 EA 7-1/2 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01).....	4,471.07	260.44
22 51 23 00-0005 EA 10 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01).....	4,757.27	310.79
22 51 23 00-0006 EA 15 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01).....	5,093.93	361.72
22 51 23 00-0007 EA 20 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01).....	5,773.54	413.23
22 51 23 00-0008 EA 3 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01).....	3,479.77	185.20
22 51 23 00-0009 EA 5 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01).....	3,669.71	208.36
22 51 23 00-0010 EA 7-1/2 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01).....	3,958.81	260.44
22 51 23 00-0011 EA 10 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01).....	4,259.56	310.79
22 51 23 00-0012 EA 15 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01).....	5,022.62	361.72
22 51 23 00-0013 EA 20 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01).....	5,579.98	413.23
22 51 23 00-0014 EA 3 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01FB) .....	4,485.38	185.20
22 51 23 00-0015 EA 5 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01FB) .....	5,157.03	208.36
22 51 23 00-0016 EA 7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01FB) .....	5,734.27	260.44
22 51 23 00-0017 EA 10 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01FB) .....	6,184.92	310.79

**22 Plumbing****22 50 Pool and Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0018	EA		15 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01FB) .....	7,281.24	361.72
22 51 23 00-0019	EA		20 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01FB) .....	8,209.71	413.23
22 51 23 00-0020	EA		3 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01FB) .....	4,815.73	185.20
22 51 23 00-0021	EA		5 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01FB) .....	5,008.88	208.36
22 51 23 00-0022	EA		7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01FB) .....	5,293.32	260.44
22 51 23 00-0023	EA		10 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01FB) .....	5,595.52	310.79
22 51 23 00-0024	EA		15 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01FB) .....	6,386.23	361.72
22 51 23 00-0025	EA		20 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01FB) .....	6,988.71	413.23
22 51 23 00-0026	EA		1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12) .....	3,307.81	185.20
22 51 23 00-0027	EA		3/4 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12) .....	3,362.68	185.20
22 51 23 00-0028	EA		1 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12) .....	3,396.57	185.20
22 51 23 00-0029	EA		1-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12) .....	3,487.89	185.20
22 51 23 00-0030	EA		2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12) .....	3,625.84	185.20
22 51 23 00-0031	EA		3 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12) .....	3,732.85	185.20
22 51 23 00-0032	EA		5 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12) .....	3,997.01	208.36
22 51 23 00-0033	EA		7-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12) .....	4,766.32	260.44
22 51 23 00-0034	EA		10 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12) .....	5,100.68	310.79
22 51 23 00-0035	EA		15 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12) .....	5,447.58	361.72
22 51 23 00-0036	EA		20 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12) .....	6,189.62	413.23
22 51 23 00-0037	EA		25 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12) .....	8,127.98	515.09
22 51 23 00-0038	EA		30 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12) .....	8,972.34	567.18
22 51 23 00-0039	EA		40 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12) .....	10,609.26	619.27
22 51 23 00-0040	EA		50 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12) .....	12,344.25	723.45
22 51 23 00-0041	EA		60 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12) .....	13,521.33	775.53
22 51 23 00-0042	EA		1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12) .....	3,376.18	185.20
22 51 23 00-0043	EA		3/4 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12) .....	3,447.04	185.20
22 51 23 00-0044	EA		1 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12) .....	3,536.19	185.20
22 51 23 00-0045	EA		1-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12) .....	3,612.83	185.20
22 51 23 00-0046	EA		2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12) .....	3,690.92	185.20
22 51 23 00-0047	EA		3 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12) .....	3,773.33	185.20
22 51 23 00-0048	EA		5 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12) .....	3,969.53	208.36
22 51 23 00-0049	EA		7-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12) .....	4,261.67	260.44
22 51 23 00-0050	EA		10 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12) .....	4,569.71	310.79
22 51 23 00-0051	EA		15 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12) .....	5,552.56	361.72
22 51 23 00-0052	EA		20 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12) .....	6,122.81	413.23
22 51 23 00-0053	EA		25 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12) .....	6,752.24	515.09
22 51 23 00-0054	EA		30 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12) .....	7,636.39	567.18
22 51 23 00-0055	EA		40 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12) .....	8,620.10	619.27
22 51 23 00-0056	EA		50 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12) .....	10,561.64	723.45
22 51 23 00-0057	EA		60 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12) .....	11,602.27	775.53
22 51 23 00-0058	EA		75 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12) .....	13,007.77	827.62
22 51 23 00-0059	EA		100 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12) .....	15,405.49	876.82
22 51 23 00-0060	EA		125 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12) .....	17,761.32	926.00
22 51 23 00-0061	EA		150 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12) .....	19,266.45	1,035.97

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0062	EA		200 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12).....	22,487.48	1,134.36
22 51 23 00-0063	EA		1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12FB).....	4,770.47	185.20
22 51 23 00-0064	EA		3/4 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12FB).....	4,825.34	185.20
22 51 23 00-0065	EA		1 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12FB).....	4,859.23	185.20
22 51 23 00-0066	EA		1-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12FB).....	4,950.55	185.20
22 51 23 00-0067	EA		2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12FB).....	5,088.50	185.20
22 51 23 00-0068	EA		3 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12FB).....	5,195.51	185.20
22 51 23 00-0069	EA		5 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12FB).....	5,459.67	208.36
22 51 23 00-0070	EA		7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12FB).....	6,063.40	260.44
22 51 23 00-0071	EA		10 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12FB).....	6,566.88	310.79
22 51 23 00-0072	EA		15 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12FB).....	7,692.51	361.72
22 51 23 00-0073	EA		20 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12FB).....	8,693.71	413.23
22 51 23 00-0074	EA		25 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12FB).....	10,235.45	515.09
22 51 23 00-0075	EA		30 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12FB).....	11,268.54	567.18
22 51 23 00-0076	EA		40 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12FB).....	14,389.75	619.27
22 51 23 00-0077	EA		50 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12FB).....	18,968.80	723.45
22 51 23 00-0078	EA		60 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12FB).....	20,846.14	775.53
22 51 23 00-0079	EA		1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12FB).....	4,749.72	185.20
22 51 23 00-0080	EA		3/4 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12FB).....	4,820.57	185.20
22 51 23 00-0081	EA		1 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12FB).....	4,909.73	185.20
22 51 23 00-0082	EA		1-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12FB).....	4,986.37	185.20
22 51 23 00-0083	EA		2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12FB).....	5,064.44	185.20
22 51 23 00-0084	EA		3 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12FB).....	5,146.87	185.20
22 51 23 00-0085	EA		5 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12FB).....	5,343.07	208.36
22 51 23 00-0086	EA		7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12FB).....	5,633.73	260.44
22 51 23 00-0087	EA		10 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12FB).....	5,941.77	310.79
22 51 23 00-0088	EA		15 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12FB).....	6,954.41	361.72
22 51 23 00-0089	EA		20 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12FB).....	7,570.76	413.23
22 51 23 00-0090	EA		25 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12FB).....	8,298.33	515.09
22 51 23 00-0091	EA		30 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12FB).....	9,351.78	567.18
22 51 23 00-0092	EA		40 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12FB).....	11,071.55	619.27
22 51 23 00-0093	EA		50 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12FB).....	12,740.32	723.45
22 51 23 00-0094	EA		60 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12FB).....	14,182.48	775.53
22 51 23 00-0095	EA		75 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12FB).....	16,465.31	827.62
22 51 23 00-0096	EA		100 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12FB).....	21,702.91	876.82
22 51 23 00-0097	EA		125 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12FB).....	24,006.79	926.00
22 51 23 00-0098	EA		150 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12FB).....	30,154.16	1,035.97
22 51 23 00-0099	EA		200 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12FB).....	35,427.32	1,134.36
22 51 23 00-0100	EA		380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 3 Year Extended Warranty (Pentair AD-EWW136).....	324.94	
22 51 23 00-0101	EA		380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 3 Year Extended Warranty (Pentair AD-EWW236).....	518.52	
22 51 23 00-0102	EA		380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 6 Year Extended Warranty (Pentair AD-EWW172).....	573.82	
22 51 23 00-0103	EA		380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 6 Year Extended Warranty (Pentair AD-EWW272).....	974.82	
22 51 23 00-0104	EA		380+ Volt AC, 50 To 125 HP, 260 Volt AC, 30 To 60 HP, 6 Year Extended Warranty (Pentair AD-EWW372).....	1,859.76	
22 51 23 00-0105	EA		3" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4203KIT).....	1,169.78	
22 51 23 00-0106	EA		4" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4204KIT).....	1,223.27	
22 51 23 00-0107	EA		6" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4206KIT).....	1,335.32	
22 51 23 00-0108	EA		8" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4208KIT).....	1,432.64	
22 51 23 00-0109	EA		3" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-03KIT).....	1,671.30	
22 51 23 00-0110	EA		4" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-04KIT).....	1,721.58	

**22 Plumbing****22 50 Pool and Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0111	EA		6" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-06KIT).....	1,828.52	
22 51 23 00-0112	EA		8" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-08KIT).....	1,922.83	
22 51 23 00-0113	EA		10" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-10KIT).....	2,297.69	
22 51 23 00-0114	EA		12" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-12KIT).....	2,307.86	
<b>22 51 23 00-0115</b>			<b>Eco-Flow-E Aquatic Variable Frequency Drive And Options (22 51 23)</b>		
<b>22 51 23 00-0116</b>			<b>Eco-Flow-E Aquatic Variable Frequency Drive (22 51 23 00-0115)</b>		
22 51 23 00-0117	EA		2 HP, 480 Volt, 3 Phase, 4 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-04-12-4).....	2,767.54	154.34
			<i>For Bypass Panel, Add</i>	643.20	
22 51 23 00-0118	EA		3 HP, 480 Volt, 3 Phase, 6 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-06-12-4).....	2,770.16	154.34
			<i>For Bypass Panel, Add</i>	643.20	
22 51 23 00-0119	EA		5 HP, 480 Volt, 3 Phase, 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-4).....	2,822.73	173.63
			<i>For Bypass Panel, Add</i>	643.20	
22 51 23 00-0120	EA		7-1/2 HP, 480 Volt, 3 Phase, 12 Amperes, Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-4).....	2,938.35	217.03
			<i>For Bypass Panel, Add</i>	643.20	
22 51 23 00-0121	EA		10 HP, 480 Volt, 3 Phase, 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-4).....	3,183.80	258.99
			<i>For Bypass Panel, Add</i>	643.20	
22 51 23 00-0122	EA		15 HP, 480 Volt, 3 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-4).....	3,546.36	301.44
			<i>For Bypass Panel, Add</i>	758.08	
22 51 23 00-0123	EA		20 HP, 480 Volt, 3 Phase, 30 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-30-12-4).....	4,177.07	344.36
			<i>For Bypass Panel, Add</i>	758.08	
22 51 23 00-0124	EA		25 HP, 480 Volt, 3 Phase, 39 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-39-12-4).....	4,365.55	431.17
			<i>For Bypass Panel, Add</i>	758.08	
22 51 23 00-0125	EA		30 HP, 480 Volt, 3 Phase, 45 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-45-12-4).....	5,211.93	474.10
			<i>For Bypass Panel, Add</i>	758.08	
22 51 23 00-0126	EA		40 HP, 480 Volt, 3 Phase, 61 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-61-12-4).....	5,381.52	516.54
			<i>For Bypass Panel, Add</i>	920.12	
22 51 23 00-0127	EA		1/2 HP, 208/230 Volt, 1 Phase (1 HP, 208/230 Volt, 3 Phase) 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-2).....	2,752.70	154.34
			<i>For Bypass Panel, Add</i>	643.20	
22 51 23 00-0128	EA		1 HP, 208/230 Volt, 1 Phase (2 HP, 208/230 Volt, 3 Phase) 12 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-2).....	2,756.19	154.34
			<i>For Bypass Panel, Add</i>	643.20	
22 51 23 00-0129	EA		1-1/2 HP, 208/230 Volt, 1 Phase (3 HP, 208/230 Volt, 3 Phase) 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-2).....	2,772.78	154.34
			<i>For Bypass Panel, Add</i>	643.20	
22 51 23 00-0130	EA		5 HP, 208/230 Volt, 1 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-2).....	2,836.70	173.63
			<i>For Bypass Panel, Add</i>	758.08	
22 51 23 00-0131	EA		3 HP, 208/230 Volt, 1 Phase (7-1/2 HP, 208/230 Volt, 3 Phase) 32 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-32-12-2).....	3,088.54	217.03
			<i>For Bypass Panel, Add</i>	758.08	
22 51 23 00-0132	EA		5 HP, 208/230 Volt, 1 Phase (10 HP, 208/230 Volt, 3 Phase) 46 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-46-12-2).....	3,447.50	258.99
			<i>For Bypass Panel, Add</i>	758.08	
22 51 23 00-0133	EA		7-1/2 HP, 208/230 Volt, 1 Phase (15 HP, 208/230 Volt, 3 Phase) 60 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-60-12-2).....	4,083.37	301.44
			<i>For Bypass Panel, Add</i>	920.12	
22 51 23 00-0134	EA		10 HP, 208/230 Volt, 1 Phase (20 HP, 208/230 Volt, 3 Phase) 74 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-74-12-2).....	4,185.81	344.36
			<i>For Bypass Panel, Add</i>	920.12	
22 51 23 00-0135	EA		25 HP, 208/230 Volt, 1 Phase, 88 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-88-12-2).....	5,113.86	431.17
			<i>For Bypass Panel, Add</i>	1,242.83	
22 51 23 00-0136	EA		15 HP, 208/230 Volt, 1 Phase (30 HP, 208/230 Volt, 3 Phase) 124 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-124-12-2).....	5,285.28	474.10
			<i>For Bypass Panel, Add</i>	1,703.50	
<b>22 51 23 00-0137</b>			<b>Eco-Flow-E Aquatic Variable Frequency Drive Options (22 51 23 00-0115)</b>		
22 51 23 00-0138	EA		0 To 30 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-30).....	392.12	72.34
22 51 23 00-0139	EA		0 To 100 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-100).....	392.12	72.34
22 51 23 00-0140	EA		Lightning Arrestor (H2Flow LA).....	409.06	48.23
22 51 23 00-0141	EA		2 HP, 480 Volt, (3/4 HP, 208/230 Volt) Load Reactor (TCI V1K4A00).....	452.06	21.70
22 51 23 00-0142	EA		3 HP, 480 Volt, (1 To 1-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K6A00).....	467.36	24.12
22 51 23 00-0143	EA		5 HP, 480 Volt, (2 HP, 208/230 Volt) Load Reactor (TCI V1K8A00).....	479.17	26.53
22 51 23 00-0144	EA		7-1/2 HP, 480 Volt, (3 HP, 208/230 Volt) Load Reactor (TCI V1K12A00).....	500.58	28.94
22 51 23 00-0145	EA		10 HP, 480 Volt, (5 HP, 208/230 Volt) Load Reactor (TCI V1K16A00).....	510.64	31.35
22 51 23 00-0146	EA		15 HP, 480 Volt, (7-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K25A00).....	664.79	33.76
22 51 23 00-0147	EA		20 HP, 480 Volt, Load Reactor (TCI V1K27A00).....	693.17	36.17
22 51 23 00-0148	EA		25 HP, 480 Volt, (10 HP, 208/230 Volt) Load Reactor (TCI V1K35A00).....	724.19	38.59
22 51 23 00-0149	EA		30 HP, 480 Volt, (15 HP, 208/230 Volt) Load Reactor (TCI V1K45A00).....	754.34	41.00
22 51 23 00-0150	EA		40 HP, 480 Volt, (20 HP, 208/230 Volt) Load Reactor (TCI V1K55A00).....	780.99	43.41

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 51 23 00-0151	EA			25 To 30 HP, 208/230 Volt, Load Reactor (TCI V1K80A00).....	1,070.46	45.82
22 51 23 00-0152	EA			1 HP, 208/230 Volt, Line Reactor (TCI KDRA25L).....	141.66	24.12
22 51 23 00-0153	EA			2 HP, 208/230 Volt, Line Reactor (TCI KDRA27L).....	151.73	26.53
22 51 23 00-0154	EA			3 HP, 208/230 Volt, Line Reactor (TCI KDRA28L).....	169.65	28.94
22 51 23 00-0155	EA			5 HP, 208/230 Volt, Line Reactor (TCI KDRB22L).....	221.62	31.35
22 51 23 00-0156	EA			7-1/2 HP, 208/230 Volt, Line Reactor (TCI KDRB23L).....	248.28	33.76
22 51 23 00-0157	EA			10 HP, 208/230 Volt, Line Reactor (TCI KDRD25L).....	257.45	36.17
22 51 23 00-0158	EA			15 HP, 208/230 Volt, Line Reactor (TCI KDRD24L).....	266.64	38.59
22 51 23 00-0159	EA			20 HP, 208/230 Volt, Line Reactor (TCI KDRD26L).....	282.82	41.00
22 51 23 00-0160	EA			25 HP, 208/230 Volt, Line Reactor (TCI KDRC22L).....	355.75	43.41
22 51 23 00-0161	EA			30 HP, 208/230 Volt, Line Reactor (TCI KDRF24L).....	365.81	45.82
22 51 23 00-0162	EA			1 HP, 480 Volt, Line Reactor (TCI KDRA8L).....	142.53	24.12
22 51 23 00-0163	EA			2 HP, 480 Volt, Line Reactor (TCI KDRA1L).....	166.97	26.53
22 51 23 00-0164	EA			3 HP, 480 Volt, Line Reactor (TCI KDRA2L).....	172.27	28.94
22 51 23 00-0165	EA			5 HP, 480 Volt, Line Reactor (TCI KDRA3L).....	181.45	31.35
22 51 23 00-0166	EA			7-1/2 HP, 480 Volt, Line Reactor (TCI KDRA4L).....	189.78	33.76
22 51 23 00-0167	EA			10 HP, 480 Volt, Line Reactor (TCI KDRA5L).....	236.50	36.17
22 51 23 00-0168	EA			15 HP, 480 Volt, Line Reactor (TCI KDRB2L).....	246.56	38.59
22 51 23 00-0169	EA			20 HP, 480 Volt, Line Reactor (TCI KDRB1L).....	259.25	41.00
22 51 23 00-0170	EA			25 HP, 480 Volt, Line Reactor (TCI KDRD1L).....	288.43	43.41
22 51 23 00-0171	EA			30 HP, 480 Volt, Line Reactor (TCI KDRD2L).....	322.15	45.82
22 51 23 00-0172	EA			40 HP, 480 Volt, Line Reactor (TCI KDRC1L).....	350.56	48.23
22 51 23 00-0173	EA			Models 04 To 30, 304 SS Metric To English Conduit Adaptor Kit.....	57.34	
22 51 23 00-0174	EA			Models 32 To 46, 304 SS Metric To English Conduit Adaptor Kit.....	77.52	
22 51 23 00-0175	EA			Models 60 To 74, 304 SS Metric To English Conduit Adaptor Kit.....	95.95	

**22 51 23 00-0176 Pool Flow Meters** (22 51 23)

22 51 23 00-0177	EA			20 To 110 GPM, 1-1/2" Retrofit Kit FlowVis For Existing Jandy Or Praher Valve Flow Meter (H2Flow FVJ-R-15).....	105.94	18.75
22 51 23 00-0178	EA			20 To 110 GPM, 2" x 2-1/2" Retrofit Kit FlowVis For Existing Jandy® Or Praher Valve Flow Meter (H2Flow FVJ-R).....	105.94	18.75
22 51 23 00-0179	EA			20 To 110 GPM, 1-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C-15).....	167.39	35.14
22 51 23 00-0180	EA			20 To 110 GPM, 2" x 2-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C).....	143.42	37.48

**22 51 23 00-0181 Paddlewheel Flow Sensors** (22 51 23)

22 51 23 00-0182	EA			1/2" To 4" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P0).....	686.17	55.71
Note: Includes 25' of cable (extendable to 200').						
22 51 23 00-0183	EA			1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-PO).....	903.59	55.71
22 51 23 00-0184	EA			1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-PO).....	903.59	55.71
22 51 23 00-0185	EA			1/2" To 4" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-PO).....	937.65	55.71
22 51 23 00-0186	EA			1/2" To 4" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-PO).....	974.32	55.71
22 51 23 00-0187	EA			1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-TO).....	1,043.74	55.71
22 51 23 00-0188	EA			1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-TO).....	1,043.74	55.71
22 51 23 00-0189	EA			1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-TO).....	1,086.96	55.71
22 51 23 00-0190	EA			1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-TO).....	1,128.87	55.71
22 51 23 00-0191	EA			>4" To 8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P1).....	716.29	55.71
Note: Includes 25' of cable (extendable to 200').						
22 51 23 00-0192	EA			>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-P1).....	937.65	55.71
22 51 23 00-0193	EA			>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-P1).....	937.65	55.71
22 51 23 00-0194	EA			>4" To 8" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-P1).....	974.32	55.71
22 51 23 00-0195	EA			>4" To 8" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-P1).....	1,008.37	55.71
22 51 23 00-0196	EA			>8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P2).....	743.80	55.71
Note: Includes 25' of cable (extendable to 200').						
22 51 23 00-0197	EA			2" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S020).....	228.45	
22 51 23 00-0198	EA			4" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S040).....	315.91	
22 51 23 00-0199	EA			6" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S060).....	388.95	
22 51 23 00-0200	EA			8" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S080).....	477.72	
22 51 23 00-0201	EA			10" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S100).....	630.64	
22 51 23 00-0202	EA			12" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S120).....	640.82	
22 51 23 00-0203	EA			24 Volt DC, Power Supply 7.5 Watt, 300 mA (Signet 7300-7524).....	229.09	15.43
22 51 23 00-0204	EA			24 Volt DC, Power Supply 15 Watt, 600 mA (Signet 7300-1524).....	311.61	15.43
22 51 23 00-0205	EA			24 Volt DC, 30 Watt, 1.3 Amperes, Power Supply (Signet 7300-3024).....	382.34	15.43
22 51 23 00-0206	EA			24 Volt DC, 50 Watt, 2.1 Amperes, Power Supply (Signet 7300-5024).....	481.88	15.43
22 51 23 00-0207	EA			24 Volt DC, 100 Watt, 4.2 Amperes, Power Supply (Signet 7300-1024).....	665.25	15.43

**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities** (22)

**22 63 Gas Systems for Laboratory and Healthcare Facilities** (22 60)

**22 63 13 Gas Piping for Laboratory and Healthcare Facilities** (22 63)

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 63 Gas Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 63 13 53</b>			<b>Laboratory Gas Piping</b> <small>(22 63 13)</small> See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2206 for PVC piping.		
<b>22 66</b>			<b>Chemical-Waste Systems for Laboratory and Healthcare Facilities</b> <small>(22 60)</small>		
<b>22 66 53</b>			<b>Laboratory Chemical-Waste and Vent Piping</b> <small>(22 66)</small>		
22 66 53 00-0001			Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
22 66 53 00-0002			Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings <small>(22 66 53 00-0001)</small>		
22 66 53 00-0003			Schedule 40 Polypropylene Acid Resistant DWV Pipe <small>(22 66 53 00-0002)</small>		
22 66 53 00-0004	LF		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	15.93	5.34
			<i>For Work In Restricted Working Space, Add</i>	2.42	
			<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>	3.51	
			<i>For Schedule 80, Add</i>	4.10	
22 66 53 00-0005	LF		2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	19.71	6.00
			<i>For Work In Restricted Working Space, Add</i>	2.72	
			<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>	4.74	
			<i>For Schedule 80, Add</i>	5.54	
22 66 53 00-0006	LF		3" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	32.34	8.71
			<i>For Work In Restricted Working Space, Add</i>	3.93	
			<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>	8.56	
			<i>For Schedule 80, Add</i>	10.00	
22 66 53 00-0007	LF		4" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	44.34	11.33
			<i>For Work In Restricted Working Space, Add</i>	5.11	
			<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>	12.15	
			<i>For Schedule 80, Add</i>	14.20	
22 66 53 00-0008	LF		6" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	74.20	16.68
			<i>For Work In Restricted Working Space, Add</i>	7.50	
			<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>	21.90	
			<i>For Schedule 80, Add</i>	25.59	
22 66 53 00-0009			Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends <small>(22 66 53 00-0002)</small>		
22 66 53 00-0010	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	61.99	20.15
			<i>For Work In Restricted Working Space, Add</i>	9.07	
22 66 53 00-0011	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	79.32	26.61
			<i>For Work In Restricted Working Space, Add</i>	11.96	
22 66 53 00-0012	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	112.68	30.45
			<i>For Work In Restricted Working Space, Add</i>	13.71	
22 66 53 00-0013	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	167.06	40.30
			<i>For Work In Restricted Working Space, Add</i>	18.14	
22 66 53 00-0014	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	351.26	59.51
			<i>For Work In Restricted Working Space, Add</i>	26.77	
22 66 53 00-0015			Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends <small>(22 66 53 00-0002)</small>		
22 66 53 00-0016	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	61.45	20.15
			<i>For Work In Restricted Working Space, Add</i>	9.07	
22 66 53 00-0017	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	77.89	26.61
			<i>For Work In Restricted Working Space, Add</i>	11.96	
22 66 53 00-0018	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	115.43	30.45
			<i>For Work In Restricted Working Space, Add</i>	13.71	
22 66 53 00-0019	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	139.51	40.30
			<i>For Work In Restricted Working Space, Add</i>	18.14	
22 66 53 00-0020	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	308.56	59.51
			<i>For Work In Restricted Working Space, Add</i>	26.77	
22 66 53 00-0021			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees <small>(22 66 53 00-0002)</small>		
22 66 53 00-0022	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	104.08	43.11
			<i>For Work In Restricted Working Space, Add</i>	19.39	
22 66 53 00-0023	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	128.75	54.35
			<i>For Work In Restricted Working Space, Add</i>	24.45	
22 66 53 00-0024	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	183.80	59.51
			<i>For Work In Restricted Working Space, Add</i>	26.77	
22 66 53 00-0025	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	258.74	78.15
			<i>For Work In Restricted Working Space, Add</i>	35.14	
22 66 53 00-0026	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	469.03	125.01
			<i>For Work In Restricted Working Space, Add</i>	56.23	
22 66 53 00-0027			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees <small>(22 66 53 00-0002)</small>		
22 66 53 00-0028	EA		2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	128.69	54.35
			<i>For Work In Restricted Working Space, Add</i>	24.45	
22 66 53 00-0029	EA		3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	177.20	59.51
			<i>For Work In Restricted Working Space, Add</i>	26.77	
22 66 53 00-0030	EA		3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	171.33	59.51
			<i>For Work In Restricted Working Space, Add</i>	26.77	
22 66 53 00-0031	EA		4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	243.69	78.15
			<i>For Work In Restricted Working Space, Add</i>	35.14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0032 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	249.36 35.14	78.15
22 66 53 00-0033 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	427.12 56.23	125.01
<b>22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug <small>(22 66 53 00-0002)</small></b>		
22 66 53 00-0035 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	123.34 19.39	43.11
22 66 53 00-0036 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	133.41 24.45	54.35
22 66 53 00-0037 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	198.06 26.77	59.51
22 66 53 00-0038 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	265.31 35.14	78.15
22 66 53 00-0039 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	387.77 56.23	125.01
<b>22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes <small>(22 66 53 00-0002)</small></b>		
22 66 53 00-0041 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	114.89 19.39	43.11
22 66 53 00-0042 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	138.77 24.45	54.35
22 66 53 00-0043 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	189.76 26.77	59.51
22 66 53 00-0044 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	263.68 35.14	78.15
22 66 53 00-0045 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	559.44 56.23	125.01
<b>22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes <small>(22 66 53 00-0002)</small></b>		
22 66 53 00-0047 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	152.00 24.45	54.35
22 66 53 00-0048 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	182.97 26.77	59.51
22 66 53 00-0049 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	182.97 26.77	59.51
22 66 53 00-0050 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	257.82 35.14	78.15
22 66 53 00-0051 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	257.82 35.14	78.15
22 66 53 00-0052 EA 6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	481.56 56.23	125.01
22 66 53 00-0053 EA 6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	486.12 56.23	125.01
22 66 53 00-0054 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	429.03 56.23	125.01
<b>22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses <small>(22 66 53 00-0002)</small></b>		
22 66 53 00-0056 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	142.62 24.23	53.88
22 66 53 00-0057 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	175.95 30.56	67.94
22 66 53 00-0058 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	259.79 33.47	74.41
22 66 53 00-0059 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	368.39 43.93	97.64
22 66 53 00-0060 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	675.72 70.28	156.21
<b>22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends <small>(22 66 53 00-0002)</small></b>		
22 66 53 00-0062 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	100.55 19.39	43.11
22 66 53 00-0063 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	133.98 24.45	54.35
22 66 53 00-0064 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	156.40 26.77	59.51
22 66 53 00-0065 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	221.59 35.14	78.15
22 66 53 00-0066 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	118.36 24.45	54.35
22 66 53 00-0067 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	150.12 26.77	59.51
22 66 53 00-0068 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	152.64 26.77	59.51
22 66 53 00-0069 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	212.24 35.14	78.15
22 66 53 00-0070 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	213.84 35.14	78.15

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0071			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps</b> (22 66 53 00-0002)		
22 66 53 00-0072	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap .....120.02	120.02	50.04
			<i>For Work In Restricted Working Space, Add</i> .....22.49	22.49	
22 66 53 00-0073	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap .....160.64	160.64	65.79
			<i>For Work In Restricted Working Space, Add</i> .....29.59	29.59	
22 66 53 00-0074	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap .....255.83	255.83	89.30
			<i>For Work In Restricted Working Space, Add</i> .....40.16	40.16	
22 66 53 00-0075	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap .....375.32	375.32	113.67
			<i>For Work In Restricted Working Space, Add</i> .....51.11	51.11	
22 66 53 00-0076			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters</b> (22 66 53 00-0002)		
22 66 53 00-0077	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter .....60.50	60.50	20.15
			<i>For Work In Restricted Working Space, Add</i> .....9.07	9.07	
22 66 53 00-0078	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter .....71.41	71.41	26.61
			<i>For Work In Restricted Working Space, Add</i> .....11.96	11.96	
22 66 53 00-0079	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter .....84.75	84.75	30.45
			<i>For Work In Restricted Working Space, Add</i> .....13.71	13.71	
22 66 53 00-0080	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter .....116.71	116.71	40.30
			<i>For Work In Restricted Working Space, Add</i> .....18.14	18.14	
22 66 53 00-0081	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter .....173.50	173.50	59.51
			<i>For Work In Restricted Working Space, Add</i> .....26.77	26.77	
22 66 53 00-0082			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters</b> (22 66 53 00-0002)		
22 66 53 00-0083	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter .....56.70	56.70	20.15
			<i>For Work In Restricted Working Space, Add</i> .....9.07	9.07	
22 66 53 00-0084	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter .....74.28	74.28	26.61
			<i>For Work In Restricted Working Space, Add</i> .....11.96	11.96	
22 66 53 00-0085	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter .....90.01	90.01	30.45
			<i>For Work In Restricted Working Space, Add</i> .....13.71	13.71	
22 66 53 00-0086	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter .....121.87	121.87	40.30
			<i>For Work In Restricted Working Space, Add</i> .....18.14	18.14	
22 66 53 00-0087			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings</b> (22 66 53 00-0002)		
22 66 53 00-0088	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling .....51.98	51.98	20.15
			<i>For Work In Restricted Working Space, Add</i> .....9.07	9.07	
22 66 53 00-0089	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling .....65.80	65.80	26.61
			<i>For Work In Restricted Working Space, Add</i> .....11.96	11.96	
22 66 53 00-0090	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling .....77.19	77.19	30.45
			<i>For Work In Restricted Working Space, Add</i> .....13.71	13.71	
22 66 53 00-0091	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling .....102.07	102.07	40.30
			<i>For Work In Restricted Working Space, Add</i> .....18.14	18.14	
22 66 53 00-0092	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling .....149.74	149.74	59.51
			<i>For Work In Restricted Working Space, Add</i> .....26.77	26.77	
22 66 53 00-0093			<b>Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings</b> (22 66 53)		
22 66 53 00-0094			<b>Glass Acid Resistant DWV Pipe</b> (22 66 53 00-0093)		
22 66 53 00-0095	LF		1-1/2" Glass Acid Resistant DWV Pipe .....23.36	23.36	5.15
			<i>For Work In Restricted Working Space, Add</i> .....3.09	3.09	
22 66 53 00-0096	LF		2" Glass Acid Resistant DWV Pipe .....29.01	29.01	5.63
			<i>For Work In Restricted Working Space, Add</i> .....3.37	3.37	
22 66 53 00-0097	LF		3" Glass Acid Resistant DWV Pipe .....40.20	40.20	7.88
			<i>For Work In Restricted Working Space, Add</i> .....4.74	4.74	
22 66 53 00-0098	LF		4" Glass Acid Resistant DWV Pipe .....64.82	64.82	10.22
			<i>For Work In Restricted Working Space, Add</i> .....6.14	6.14	
22 66 53 00-0099	LF		6" Glass Acid Resistant DWV Pipe .....107.46	107.46	13.97
			<i>For Work In Restricted Working Space, Add</i> .....8.37	8.37	
22 66 53 00-0100			<b>Glass Acid Resistant DWV 90 Or 60 Degree Sweeps</b> (22 66 53 00-0093)		
22 66 53 00-0101	EA		1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep .....73.58	73.58	22.96
			<i>For Work In Restricted Working Space, Add</i> .....13.75	13.75	
22 66 53 00-0102	EA		2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep .....83.67	83.67	24.36
			<i>For Work In Restricted Working Space, Add</i> .....14.59	14.59	
22 66 53 00-0103	EA		3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep .....113.01	113.01	27.64
			<i>For Work In Restricted Working Space, Add</i> .....16.59	16.59	
22 66 53 00-0104	EA		4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep .....165.26	165.26	36.54
			<i>For Work In Restricted Working Space, Add</i> .....21.93	21.93	
22 66 53 00-0105	EA		6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep .....382.08	382.08	50.60
			<i>For Work In Restricted Working Space, Add</i> .....30.36	30.36	
22 66 53 00-0106			<b>Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps</b> (22 66 53 00-0093)		
22 66 53 00-0107	EA		1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep .....73.77	73.77	23.05
			<i>For Work In Restricted Working Space, Add</i> .....13.80	13.80	
22 66 53 00-0108	EA		2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep .....83.29	83.29	24.08
			<i>For Work In Restricted Working Space, Add</i> .....14.48	14.48	
22 66 53 00-0109	EA		3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep .....112.82	112.82	27.55
			<i>For Work In Restricted Working Space, Add</i> .....16.53	16.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0110 EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	165.26 21.93	36.54
22 66 53 00-0111 EA 6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	382.07 30.36	50.60
<b>22 66 53 00-0112 Glass Acid Resistant DWV 90 Or 60 Degree Bends (22 66 53 00-0093)</b>		
22 66 53 00-0113 EA 1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	74.53 13.80	23.05
22 66 53 00-0114 EA 2" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	84.20 14.48	24.08
22 66 53 00-0115 EA 3" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	114.41 16.53	27.55
22 66 53 00-0116 EA 4" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	165.26 21.93	36.54
<b>22 66 53 00-0117 Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends (22 66 53 00-0093)</b>		
22 66 53 00-0118 EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	74.53 13.80	23.05
22 66 53 00-0119 EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	84.20 14.48	24.08
22 66 53 00-0120 EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	114.41 16.53	27.55
22 66 53 00-0121 EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	165.26 21.93	36.54
<b>22 66 53 00-0122 Glass Acid Resistant DWV 90 Degree Bends With Long Leg (22 66 53 00-0093)</b>		
22 66 53 00-0123 EA 1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg..... <i>For Work In Restricted Working Space, Add</i>	85.35 13.80	23.05
22 66 53 00-0124 EA 2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg..... <i>For Work In Restricted Working Space, Add</i>	99.75 14.48	24.08
<b>22 66 53 00-0125 Glass Acid Resistant DWV Double Quarter Bends (22 66 53 00-0093)</b>		
22 66 53 00-0126 EA 1-1/2" Glass Acid Resistant DWV Double Quarter Bend..... <i>For Work In Restricted Working Space, Add</i>	118.63 20.71	34.49
22 66 53 00-0127 EA 2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend..... <i>For Work In Restricted Working Space, Add</i>	146.49 21.42	35.71
22 66 53 00-0128 EA 2" Glass Acid Resistant DWV Double Quarter Bend..... <i>For Work In Restricted Working Space, Add</i>	137.47 21.72	36.17
22 66 53 00-0129 EA 3" Glass Acid Resistant DWV Double Quarter Bend..... <i>For Work In Restricted Working Space, Add</i>	183.55 24.80	41.32
22 66 53 00-0130 EA 4" Glass Acid Resistant DWV Double Quarter Bend..... <i>For Work In Restricted Working Space, Add</i>	298.26 32.89	54.82
22 66 53 00-0131 EA 6" Glass Acid Resistant DWV Double Quarter Bend..... <i>For Work In Restricted Working Space, Add</i>	454.62 45.55	75.90
<b>22 66 53 00-0132 Glass Acid Resistant DWV Sanitary Tees (22 66 53 00-0093)</b>		
22 66 53 00-0133 EA 1-1/2" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	114.10 20.81	34.67
22 66 53 00-0134 EA 2" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	116.90 21.65	36.08
22 66 53 00-0135 EA 3" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	149.22 24.74	41.23
22 66 53 00-0136 EA 4" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	229.40 32.89	54.82
22 66 53 00-0137 EA 6" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	472.65 45.54	75.90
<b>22 66 53 00-0138 Glass Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0093)</b>		
22 66 53 00-0139 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	115.97 21.37	35.61
22 66 53 00-0140 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	136.79 23.33	38.89
22 66 53 00-0141 EA 3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	144.80 23.90	39.82
22 66 53 00-0142 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	185.80 28.96	48.26
22 66 53 00-0143 EA 4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	194.09 29.24	48.73
22 66 53 00-0144 EA 4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	203.51 30.08	50.14
22 66 53 00-0145 EA 6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	350.78 37.67	62.78
22 66 53 00-0146 EA 6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	377.09 38.51	64.19
22 66 53 00-0147 EA 6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	387.75 41.33	68.87
<b>22 66 53 00-0148 Glass Acid Resistant DWV Double Sanitary Tees (22 66 53 00-0093)</b>		

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0149	EA		1-1/2" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	160.48 27.55	45.92
22 66 53 00-0150	EA		2" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	165.15 28.95	48.26
22 66 53 00-0151	EA		3" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	211.45 33.17	55.29
22 66 53 00-0152	EA		4" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	339.51 43.85	73.09
22 66 53 00-0153	EA		6" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	596.71 60.73	101.20
<b>22 66 53 00-0154</b>			<b>Glass Acid Resistant DWV Reducing Double Sanitary Tees</b> (22 66 53 00-0093)		
22 66 53 00-0155	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	163.27 28.39	47.32
22 66 53 00-0156	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	187.29 30.36	50.60
22 66 53 00-0157	EA		3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	197.30 30.93	51.54
22 66 53 00-0158	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	282.32 35.71	59.51
22 66 53 00-0159	EA		4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	280.26 36.54	60.91
22 66 53 00-0160	EA		4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	300.43 38.52	64.19
22 66 53 00-0161	EA		6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	395.13 44.97	74.96
22 66 53 00-0162	EA		6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	428.64 46.94	78.25
22 66 53 00-0163	EA		6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	485.03 52.28	87.15
<b>22 66 53 00-0164</b>			<b>Glass Acid Resistant DWV Tees</b> (22 66 53 00-0093)		
22 66 53 00-0165	EA		1-1/2" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	124.73 20.81	34.67
22 66 53 00-0166	EA		2" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	127.52 21.65	36.08
22 66 53 00-0167	EA		3" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	162.41 24.74	41.23
22 66 53 00-0168	EA		4" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	250.09 32.89	54.82
22 66 53 00-0169	EA		6" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	497.48 45.55	75.90
<b>22 66 53 00-0170</b>			<b>Glass Acid Resistant DWV Reducing Tees</b> (22 66 53 00-0093)		
22 66 53 00-0171	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	126.57 21.36	35.61
22 66 53 00-0172	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	147.87 23.33	38.89
22 66 53 00-0173	EA		3" x 2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	151.33 23.90	39.82
22 66 53 00-0174	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	188.22 28.96	48.26
22 66 53 00-0175	EA		4" x 2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	192.94 29.24	48.73
22 66 53 00-0176	EA		4" x 3" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	228.40 30.09	50.14
22 66 53 00-0177	EA		6" x 3" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	422.59 38.51	64.19
22 66 53 00-0178	EA		6" x 4" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	440.98 41.32	68.87
<b>22 66 53 00-0179</b>			<b>Glass Acid Resistant DWV Test Tees With Cleanout</b> (22 66 53 00-0093)		
22 66 53 00-0180	EA		1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	142.93 20.81	34.67
22 66 53 00-0181	EA		2" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	158.39 21.65	36.08
22 66 53 00-0182	EA		3" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	201.32 24.74	41.23
22 66 53 00-0183	EA		4" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	338.76 32.89	54.82
22 66 53 00-0184	EA		6" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	497.48 45.55	75.90
<b>22 66 53 00-0185</b>			<b>Glass Acid Resistant DWV Wyes</b> (22 66 53 00-0093)		
22 66 53 00-0186	EA		1-1/2" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	116.39 20.81	34.67
22 66 53 00-0187	EA		2" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	119.18 21.65	36.08
22 66 53 00-0188	EA		3" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	158.31 24.74	41.23
22 66 53 00-0189	EA		4" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	239.55 32.89	54.82

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0190 EA 6" Glass Acid Resistant DWV Wye ..... <i>For Work In Restricted Working Space, Add</i>	465.70 45.55	75.90
<b>22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes</b> (22 66 53 00-0093)		
22 66 53 00-0192 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye ..... <i>For Work In Restricted Working Space, Add</i>	118.23 21.36	35.61
22 66 53 00-0193 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye ..... <i>For Work In Restricted Working Space, Add</i>	141.49 23.33	38.89
22 66 53 00-0194 EA 3" x 2" Glass Acid Resistant DWV Reducing Wye ..... <i>For Work In Restricted Working Space, Add</i>	145.34 23.90	39.82
22 66 53 00-0195 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye ..... <i>For Work In Restricted Working Space, Add</i>	194.90 28.96	48.26
22 66 53 00-0196 EA 4" x 2" Glass Acid Resistant DWV Reducing Wye ..... <i>For Work In Restricted Working Space, Add</i>	196.74 29.24	48.73
22 66 53 00-0197 EA 4" x 3" Glass Acid Resistant DWV Reducing Wye ..... <i>For Work In Restricted Working Space, Add</i>	212.47 30.09	50.14
22 66 53 00-0198 EA 6" x 2" Glass Acid Resistant DWV Reducing Wye ..... <i>For Work In Restricted Working Space, Add</i>	340.89 37.67	62.78
22 66 53 00-0199 EA 6" x 3" Glass Acid Resistant DWV Reducing Wye ..... <i>For Work In Restricted Working Space, Add</i>	391.04 38.51	64.19
22 66 53 00-0200 EA 6" x 4" Glass Acid Resistant DWV Reducing Wye ..... <i>For Work In Restricted Working Space, Add</i>	424.59 41.32	68.87
<b>22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes</b> (22 66 53 00-0093)		
22 66 53 00-0202 EA 1-1/2" Glass Acid Resistant DWV Double Wye ..... <i>For Work In Restricted Working Space, Add</i>	183.38 27.55	45.92
22 66 53 00-0203 EA 2" Glass Acid Resistant DWV Double Wye ..... <i>For Work In Restricted Working Space, Add</i>	188.07 28.96	48.26
22 66 53 00-0204 EA 3" Glass Acid Resistant DWV Double Wye ..... <i>For Work In Restricted Working Space, Add</i>	247.01 33.17	55.29
22 66 53 00-0205 EA 4" Glass Acid Resistant DWV Double Wye ..... <i>For Work In Restricted Working Space, Add</i>	375.82 43.85	73.09
22 66 53 00-0206 EA 6" Glass Acid Resistant DWV Double Wye ..... <i>For Work In Restricted Working Space, Add</i>	616.36 60.75	101.20
<b>22 66 53 00-0207 Glass Acid Resistant DWV Reducing Double Wyes</b> (22 66 53 00-0093)		
22 66 53 00-0208 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye ..... <i>For Work In Restricted Working Space, Add</i>	186.17 28.39	47.32
22 66 53 00-0209 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye ..... <i>For Work In Restricted Working Space, Add</i>	192.75 30.36	50.60
22 66 53 00-0210 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Wye ..... <i>For Work In Restricted Working Space, Add</i>	219.50 30.92	51.54
22 66 53 00-0211 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye ..... <i>For Work In Restricted Working Space, Add</i>	268.08 35.71	59.51
22 66 53 00-0212 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Wye ..... <i>For Work In Restricted Working Space, Add</i>	282.09 36.55	60.91
22 66 53 00-0213 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Wye ..... <i>For Work In Restricted Working Space, Add</i>	328.23 38.51	64.19
22 66 53 00-0214 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Wye ..... <i>For Work In Restricted Working Space, Add</i>	496.09 44.97	74.96
22 66 53 00-0215 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Wye ..... <i>For Work In Restricted Working Space, Add</i>	520.49 46.95	78.25
22 66 53 00-0216 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Wye ..... <i>For Work In Restricted Working Space, Add</i>	558.11 52.29	87.15
<b>22 66 53 00-0217 Glass Acid Resistant DWV Combination Wye And 1/8 Bends</b> (22 66 53 00-0093)		
22 66 53 00-0218 EA 1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	128.40 20.81	34.67
22 66 53 00-0219 EA 2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	131.69 21.65	36.08
22 66 53 00-0220 EA 3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	165.74 24.74	41.23
22 66 53 00-0221 EA 4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	243.42 32.89	54.82
22 66 53 00-0222 EA 6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	454.85 45.55	75.90
<b>22 66 53 00-0223 Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends</b> (22 66 53 00-0093)		
22 66 53 00-0224 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	130.74 21.36	35.61
22 66 53 00-0225 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	143.39 23.33	38.89
22 66 53 00-0226 EA 3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	152.92 23.90	39.82
22 66 53 00-0227 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	190.35 28.96	48.26
22 66 53 00-0228 EA 4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	197.72 29.24	48.73
22 66 53 00-0229 EA 4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	213.61 30.09	50.14
22 66 53 00-0230 EA 6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	341.57 37.67	62.78

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0231	EA		6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	384.44 38.51	64.19
22 66 53 00-0232	EA		6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	394.25 41.32	68.87
<b>22 66 53 00-0233</b>			<b>Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends</b> (22 66 53 00-0093)		
22 66 53 00-0234	EA		1-1/2" Double Glass Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	172.00 27.55	45.92
22 66 53 00-0235	EA		2" Double Glass Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	197.63 28.96	48.26
22 66 53 00-0236	EA		3" Double Glass Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	261.43 33.17	55.29
22 66 53 00-0237	EA		4" Double Glass Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	409.35 43.85	73.09
22 66 53 00-0238	EA		6" Double Glass Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	669.87 60.75	101.20
<b>22 66 53 00-0239</b>			<b>Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends</b> (22 66 53 00-0093)		
22 66 53 00-0240	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	176.54 28.39	47.32
22 66 53 00-0241	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	219.60 30.36	50.60
22 66 53 00-0242	EA		3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	217.07 30.92	51.54
22 66 53 00-0243	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	286.74 35.71	59.51
22 66 53 00-0244	EA		4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	285.05 36.55	60.91
22 66 53 00-0245	EA		4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	317.69 38.51	64.19
22 66 53 00-0246	EA		6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	447.22 44.97	74.96
22 66 53 00-0247	EA		6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	475.74 46.95	78.25
22 66 53 00-0248	EA		6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	552.80 52.29	87.15
<b>22 66 53 00-0249</b>			<b>Glass Acid Resistant DWV Partition Crosses (Compact)</b> (22 66 53 00-0093)		
22 66 53 00-0250	EA		2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact) ..... <i>For Work In Restricted Working Space, Add</i>	191.71 28.39	47.32
22 66 53 00-0251	EA		2" Glass Acid Resistant DWV Partition Cross (Compact) ..... <i>For Work In Restricted Working Space, Add</i>	193.61 28.96	48.26
22 66 53 00-0252	EA		2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)..... <i>For Work In Restricted Working Space, Add</i>	204.91 28.11	46.85
<b>22 66 53 00-0253</b>			<b>Glass Acid Resistant DWV Upright Y Or H (Vent Branch)</b> (22 66 53 00-0093)		
22 66 53 00-0254	EA		1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	182.68 20.81	34.67
22 66 53 00-0255	EA		2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	200.26 21.65	36.08
22 66 53 00-0256	EA		3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	230.29 24.74	41.23
22 66 53 00-0257	EA		4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	335.20 32.89	54.82
22 66 53 00-0258	EA		6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	616.56 45.55	75.90
<b>22 66 53 00-0259</b>			<b>Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)</b> (22 66 53 00-0093)		
22 66 53 00-0260	EA		2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	184.06 21.36	35.61
22 66 53 00-0261	EA		3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	209.30 23.33	38.89
22 66 53 00-0262	EA		3" x 2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	222.17 23.90	39.82
22 66 53 00-0263	EA		4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	258.61 28.96	48.26
22 66 53 00-0264	EA		4" x 2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	272.66 29.24	48.73
22 66 53 00-0265	EA		4" x 3" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	297.95 30.09	50.14
22 66 53 00-0266	EA		6" x 3" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	425.70 38.51	64.19
22 66 53 00-0267	EA		6" x 4" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	483.00 41.32	68.87
<b>22 66 53 00-0268</b>			<b>Glass Acid Resistant DWV Reducers Or Increasers</b> (22 66 53 00-0093)		
22 66 53 00-0269	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser ..... <i>For Work In Restricted Working Space, Add</i> <i>For Eccentric Reducers Or Increasers, Add</i>	71.12 14.06 1.94	23.43

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0270 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser <i>For Work In Restricted Working Space, Add For Eccentric Reducers Or Increasers, Add</i>	86.63 15.18 2.88	25.30
22 66 53 00-0271 EA 3" x 2" Glass Acid Resistant DWV Reducer Or Increaser <i>For Work In Restricted Working Space, Add For Eccentric Reducers Or Increasers, Add</i>	91.89 15.46 3.23	25.77
22 66 53 00-0272 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser <i>For Work In Restricted Working Space, Add For Eccentric Reducers Or Increasers, Add</i>	116.33 17.99 4.51	29.99
22 66 53 00-0273 EA 4" x 2" Glass Acid Resistant DWV Reducer Or Increaser <i>For Work In Restricted Working Space, Add For Eccentric Reducers Or Increasers, Add</i>	120.76 18.27 4.79	30.45
22 66 53 00-0274 EA 4" x 3" Glass Acid Resistant DWV Reducer Or Increaser <i>For Work In Restricted Working Space, Add For Eccentric Reducers Or Increasers, Add</i>	128.42 19.12 5.18	31.87
22 66 53 00-0275 EA 6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser <i>For Work In Restricted Working Space, Add For Eccentric Reducers Or Increasers, Add</i>	237.87 22.21 13.11	37.02
22 66 53 00-0276 EA 6" x 2" Glass Acid Resistant DWV Reducer Or Increaser <i>For Work In Restricted Working Space, Add For Eccentric Reducers Or Increasers, Add</i>	249.19 22.49 13.94	37.48
22 66 53 00-0277 EA 6" x 3" Glass Acid Resistant DWV Reducer Or Increaser <i>For Work In Restricted Working Space, Add For Eccentric Reducers Or Increasers, Add</i>	263.92 23.33 14.89	38.89
22 66 53 00-0278 EA 6" x 4" Glass Acid Resistant DWV Reducer Or Increaser <i>For Work In Restricted Working Space, Add For Eccentric Reducers Or Increasers, Add</i>	278.67 26.15 15.32	43.57
<b>22 66 53 00-0279 Glass Acid Resistant DWV Swivel P-Traps (22 66 53 00-0093)</b>		
22 66 53 00-0280 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap <i>For Work In Restricted Working Space, Add</i>	154.76 20.81	34.67
22 66 53 00-0281 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap <i>For Work In Restricted Working Space, Add</i>	164.74 21.37	35.61
22 66 53 00-0282 EA 2" Glass Acid Resistant DWV Swivel P-Trap <i>For Work In Restricted Working Space, Add</i>	182.75 21.65	36.08
22 66 53 00-0283 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap <i>For Work In Restricted Working Space, Add</i>	165.83 20.81	34.67
22 66 53 00-0284 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap <i>For Work In Restricted Working Space, Add</i>	178.85 21.37	35.61
22 66 53 00-0285 EA 2" Glass Acid Resistant DWV Swivel P-Trap <i>For Work In Restricted Working Space, Add</i>	198.68 21.65	36.08
22 66 53 00-0286 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap <i>For Work In Restricted Working Space, Add</i>	168.86 20.81	34.67
22 66 53 00-0287 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap <i>For Work In Restricted Working Space, Add</i>	178.85 21.37	35.61
22 66 53 00-0288 EA 2" Glass Acid Resistant DWV Swivel P-Trap <i>For Work In Restricted Working Space, Add</i>	198.68 21.65	36.08
<b>22 66 53 00-0289 Glass Acid Resistant DWV Drum P-Traps (22 66 53 00-0093)</b>		
22 66 53 00-0290 EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	203.30 20.81	34.67
22 66 53 00-0291 EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	250.98 21.37	35.61
22 66 53 00-0292 EA 2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	257.98 21.65	36.08
22 66 53 00-0293 EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	221.73 20.81	34.67
22 66 53 00-0294 EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	234.37 21.37	35.61
22 66 53 00-0295 EA 2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	261.55 21.65	36.08
<b>22 66 53 00-0296 Glass Acid Resistant DWV Cleanout Plugs (22 66 53 00-0093)</b>		
22 66 53 00-0297 EA 1-1/2" Glass Acid Resistant DWV Cleanout Plug <i>For Work In Restricted Working Space, Add</i>	34.73 7.03	11.72
22 66 53 00-0298 EA 2" Glass Acid Resistant DWV Cleanout Plug <i>For Work In Restricted Working Space, Add</i>	38.62 7.31	12.18
22 66 53 00-0299 EA 3" Glass Acid Resistant DWV Cleanout Plug <i>For Work In Restricted Working Space, Add</i>	47.58 8.15	13.58
22 66 53 00-0300 EA 4" Glass Acid Resistant DWV Cleanout Plug <i>For Work In Restricted Working Space, Add</i>	73.25 10.96	18.27
22 66 53 00-0301 EA 6" Glass Acid Resistant DWV Cleanout Plug <i>For Work In Restricted Working Space, Add</i>	104.23 15.18	25.30
<b>22 66 53 00-0302 Glass Acid Resistant DWV Sink Fittings (22 66 53 00-0093)</b>		
22 66 53 00-0303 EA 1-1/2" Glass Acid Resistant DWV Interceptor Trap <i>For Work In Restricted Working Space, Add</i>	415.78 27.55	45.92
22 66 53 00-0304 EA 1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly <i>For Work In Restricted Working Space, Add</i>	44.44 7.03	11.72
22 66 53 00-0305 EA 1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly <i>For Work In Restricted Working Space, Add</i>	48.46 7.03	11.72
22 66 53 00-0306 EA 1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings <i>For Work In Restricted Working Space, Add</i>	71.73 14.06	23.43

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0307	EA		3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings ..... <i>For Work In Restricted Working Space, Add</i>	131.79 14.62	24.36
22 66 53 00-0308	EA		6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings ..... <i>For Work In Restricted Working Space, Add</i>	133.30 14.62	24.36
22 66 53 00-0309	EA		3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings ..... <i>For Work In Restricted Working Space, Add</i>	148.47 14.62	24.36
22 66 53 00-0310	EA		3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings ..... <i>For Work In Restricted Working Space, Add</i>	123.59 14.62	24.36
<b>22 66 53 00-0311</b>			<b>Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters</b> (22 66 53 00-0093) Note: Includes teflon spacer.		
22 66 53 00-0312	EA		1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	125.43 20.75	34.58
22 66 53 00-0313	EA		2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	131.01 21.76	36.26
22 66 53 00-0314	EA		3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	175.97 24.80	41.32
22 66 53 00-0315	EA		4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	248.61 32.92	54.92
<b>22 66 53 00-0316</b>			<b>Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings</b> (22 66 53 00-0093) Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.		
22 66 53 00-0317	EA		1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings ..... <i>For Work In Restricted Working Space, Add</i>	19.04 24.02	
22 66 53 00-0318	EA		2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings ..... <i>For Work In Restricted Working Space, Add</i>	24.02 32.11	
22 66 53 00-0319	EA		3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings ..... <i>For Work In Restricted Working Space, Add</i>	32.11 54.11	
22 66 53 00-0320	EA		4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings ..... <i>For Work In Restricted Working Space, Add</i>	54.11 126.04	
22 66 53 00-0321	EA		6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping ..... <i>For Work In Restricted Working Space, Add</i>	126.04 189.57	
<b>22 66 53 00-0322</b>			<b>Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings</b> (22 66 53 00-0093) Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.		
22 66 53 00-0323	EA		1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings ..... <i>For Work In Restricted Working Space, Add</i>	24.55 30.72	
22 66 53 00-0324	EA		2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings ..... <i>For Work In Restricted Working Space, Add</i>	30.72 52.16	
22 66 53 00-0325	EA		3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings ..... <i>For Work In Restricted Working Space, Add</i>	52.16 77.75	
22 66 53 00-0326	EA		4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings ..... <i>For Work In Restricted Working Space, Add</i>	77.75 189.57	
22 66 53 00-0327	EA		6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings ..... <i>For Work In Restricted Working Space, Add</i>	189.57 24.55	
<b>22 66 53 00-0328</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings</b> (22 66 53) Note: Acid resistant. ASTM A518.		
<b>22 66 53 00-0329</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe</b> (22 66 53 00-0328)		
22 66 53 00-0330	LF		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	91.18 128.29	8.34
22 66 53 00-0331	LF		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	128.29 174.50	10.41
22 66 53 00-0332	LF		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	174.50 286.33	11.99
22 66 53 00-0333	LF		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	286.33 505.04	16.83
22 66 53 00-0334	LF		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	505.04 892.85	22.55
22 66 53 00-0335	LF		10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	892.85 1,591.76	28.44
22 66 53 00-0336	LF		12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	1,591.76 2,834.49	38.30
22 66 53 00-0337	LF		15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	2,834.49 365.48	43.91
<b>22 66 53 00-0338</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings</b> (22 66 53 00- 0328)		
<b>22 66 53 00-0339</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps</b> (22 66 53 00-0338)		
22 66 53 00-0340	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep ..... <i>For Work In Restricted Working Space, Add</i>	365.48 477.34	71.03
22 66 53 00-0341	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep ..... <i>For Work In Restricted Working Space, Add</i>	477.34 774.36	78.15
22 66 53 00-0342	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep ..... <i>For Work In Restricted Working Space, Add</i>	774.36 1,152.04	93.52
22 66 53 00-0343	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep ..... <i>For Work In Restricted Working Space, Add</i>	1,152.04 2,645.11	111.17
22 66 53 00-0344	EA		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep ..... <i>For Work In Restricted Working Space, Add</i>	2,645.11 213.66	181.19
<b>22 66 53 00-0345</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends</b> (22 66 53 00-0338)		
22 66 53 00-0346	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend ..... <i>For Work In Restricted Working Space, Add</i>	213.66 277.89	71.03
22 66 53 00-0347	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend ..... <i>For Work In Restricted Working Space, Add</i>	277.89 348.67	78.15
22 66 53 00-0348	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend ..... <i>For Work In Restricted Working Space, Add</i>	348.67 916.87	93.52
22 66 53 00-0349	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend ..... <i>For Work In Restricted Working Space, Add</i>	916.87 2,078.61	111.17
22 66 53 00-0350	EA		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend ..... <i>For Work In Restricted Working Space, Add</i>	2,078.61 3,155.65	181.19
22 66 53 00-0351	EA		10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend ..... <i>For Work In Restricted Working Space, Add</i>	3,155.65 4,632.72	225.74
22 66 53 00-0352	EA		12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend ..... <i>For Work In Restricted Working Space, Add</i>	4,632.72 213.66	271.47
<b>22 66 53 00-0353</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends</b> (22 66 53 00-0338)		
22 66 53 00-0354	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	213.66 277.89	71.03
22 66 53 00-0355	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	277.89 213.66	78.15

MINOR	CSI	UOM	DESCRIPTION			TOTAL DIRECT	DEMOLITION		
						UNIT COST	UNIT COST		
22 66 53 00-0356	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend .....			348.67		93.52	
22 66 53 00-0357	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend .....			672.77		111.17	
22 66 53 00-0358	EA		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend .....			1,763.07		181.19	
22 66 53 00-0359	EA		10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend .....			2,575.61		225.74	
22 66 53 00-0360	EA		12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend .....			3,650.80		271.47	
<b>22 66 53 00-0361</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 66 53 00-0338)</small></b>						
22 66 53 00-0362	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend .....			213.66		71.03	
22 66 53 00-0363	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend .....			277.89		78.15	
22 66 53 00-0364	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend .....			348.44		93.43	
<b>22 66 53 00-0365</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps <small>(22 66 53 00-0338)</small></b>						
22 66 53 00-0366	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep .....			291.05		71.03	
22 66 53 00-0367	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep .....			513.06		78.15	
22 66 53 00-0368	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep .....			574.91		93.52	
<b>22 66 53 00-0369</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees <small>(22 66 53 00-0338)</small></b>						
22 66 53 00-0370	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee .....			302.26		106.27	
22 66 53 00-0371	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee .....			379.04		117.79	
22 66 53 00-0372	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee .....			526.46		140.66	
22 66 53 00-0373	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee .....			875.63		167.07	
22 66 53 00-0374	EA		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee .....			2,673.23		272.02	
22 66 53 00-0375	EA		10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee .....			3,794.10		339.66	
<b>22 66 53 00-0376</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees <small>(22 66 53 00-0338)</small></b>						
22 66 53 00-0377	EA		2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee .....			283.73		101.86	
22 66 53 00-0378	EA		3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee .....			330.69		109.36	
22 66 53 00-0379	EA		3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee .....			369.16		113.20	
22 66 53 00-0380	EA		4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee .....			422.59		125.01	
22 66 53 00-0381	EA		4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee .....			452.38		128.94	
22 66 53 00-0382	EA		4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee .....			496.70		132.79	
22 66 53 00-0383	EA		6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee .....			619.14		144.57	
22 66 53 00-0384	EA		6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee .....			686.75		148.30	
22 66 53 00-0385	EA		6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee .....			768.40		155.12	
<b>22 66 53 00-0386</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees <small>(22 66 53 00-0338)</small></b>						
22 66 53 00-0387	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee .....			343.88		106.27	
22 66 53 00-0388	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee .....			414.30		117.51	
22 66 53 00-0389	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee .....			565.12		140.66	
<b>22 66 53 00-0390</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees <small>(22 66 53 00-0338)</small></b>						
22 66 53 00-0391	EA		2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee .....			325.38		101.86	
22 66 53 00-0392	EA		3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee .....			405.67		113.77	
22 66 53 00-0393	EA		4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee .....			488.65		129.32	
22 66 53 00-0394	EA		4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee .....			524.08		133.16	
<b>22 66 53 00-0395</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0338)</small></b>						
22 66 53 00-0396	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye .....			299.48		106.46	
22 66 53 00-0397	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye .....			411.78		117.79	
22 66 53 00-0398	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye .....			526.29		140.56	
22 66 53 00-0399	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye .....			880.62		166.46	
22 66 53 00-0400	EA		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye .....			3,345.58		271.75	
<b>22 66 53 00-0401</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0338)</small></b>						
22 66 53 00-0402	EA		2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye .....			307.52		101.86	
22 66 53 00-0403	EA		3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye .....			330.65		109.36	
22 66 53 00-0404	EA		3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye .....			349.31		113.86	
22 66 53 00-0405	EA		4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye .....			389.85		125.01	
22 66 53 00-0406	EA		4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye .....			404.97		129.14	
22 66 53 00-0407	EA		4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye .....			485.38		133.16	
22 66 53 00-0408	EA		6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye .....			651.66		144.75	
22 66 53 00-0409	EA		6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye .....			773.08		148.30	
22 66 53 00-0410	EA		6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye .....			807.10		155.12	
22 66 53 00-0411	EA		8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye .....			1,968.95		219.22	
22 66 53 00-0412	EA		8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye .....			2,125.67		226.47	
22 66 53 00-0413	EA		8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye .....			2,598.43		238.06	
<b>22 66 53 00-0414</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0338)</small></b>						
22 66 53 00-0415	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....			355.74		106.27	

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0416	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	423.23	117.51
22 66 53 00-0417	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	624.65	140.66
22 66 53 00-0418	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	958.33	166.63
<b>22 66 53 00-0419</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0338)</small>		
22 66 53 00-0420	EA		2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	295.61	101.86
22 66 53 00-0421	EA		3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	342.56	109.36
22 66 53 00-0422	EA		3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	378.88	113.77
22 66 53 00-0423	EA		4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	410.68	125.01
22 66 53 00-0424	EA		4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	473.76	129.32
22 66 53 00-0425	EA		4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	535.93	133.07
22 66 53 00-0426	EA		6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	690.30	144.75
22 66 53 00-0427	EA		6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	859.47	148.39
22 66 53 00-0428	EA		6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	941.44	155.38
<b>22 66 53 00-0429</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers</b> <small>(22 66 53 00-0338)</small>		
22 66 53 00-0430	EA		2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	183.64	66.91
22 66 53 00-0431	EA		3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	201.15	70.66
22 66 53 00-0432	EA		3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer .....	224.64	74.41
22 66 53 00-0433	EA		4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer .....	358.86	82.47
22 66 53 00-0434	EA		4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer .....	376.41	86.31
22 66 53 00-0435	EA		6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer .....	407.02	92.75
22 66 53 00-0436	EA		6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer .....	527.77	99.84
22 66 53 00-0437	EA		8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer .....	766.35	135.92
22 66 53 00-0438	EA		8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer .....	816.36	147.42
<b>22 66 53 00-0439</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers</b> <small>(22 66 53 00-0338)</small>		
22 66 53 00-0440	EA		2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser .....	490.28	156.21
22 66 53 00-0441	EA		2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser .....	645.08	156.21
22 66 53 00-0442	EA		3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser .....	658.97	156.21
22 66 53 00-0443	EA		4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser .....	741.70	206.85
<b>22 66 53 00-0444</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps</b> <small>(22 66 53 00-0338)</small>		
22 66 53 00-0445	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	541.11	71.03
22 66 53 00-0446	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	652.97	78.15
22 66 53 00-0447	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	795.20	93.52
22 66 53 00-0448	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	2,336.83	111.17
<b>22 66 53 00-0449</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs</b> <small>(22 66 53 00-0338)</small>		
22 66 53 00-0450	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	270.22	71.03
22 66 53 00-0451	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	340.40	78.15
22 66 53 00-0452	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	467.74	93.52
22 66 53 00-0453	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	600.82	111.17
22 66 53 00-0454	EA		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	1,167.33	155.12
<b>22 66 53 00-0455</b>			<b>Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings</b> <small>(22 66 53 00-0328)</small>		
			Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0456	LB		Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings .....	5.40	
22 66 53 00-0457	LB		Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings .....	54.58	
<b>22 66 53 00-0458</b>			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings</b> <small>(22 66 53)</small>		
			Note: ASTM A518.		
<b>22 66 53 00-0459</b>			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe</b> <small>(22 66 53 00-0458)</small>		
22 66 53 00-0460	LF		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	72.33	6.28
22 66 53 00-0461	LF		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe .....	82.31	6.94
22 66 53 00-0462	LF		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe .....	113.50	8.71
22 66 53 00-0463	LF		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe .....	143.13	10.12
<b>22 66 53 00-0464</b>			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings</b> <small>(22 66 53 00-0458)</small>		
<b>22 66 53 00-0465</b>			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0466	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	268.13	49.76
22 66 53 00-0467	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	289.74	56.23
22 66 53 00-0468	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	396.60	62.04
22 66 53 00-0469	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	478.61	74.96



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 66 53 00-0470</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 66 53 00-0464)</small></b>		
22 66 53 00-0471	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	152.03	49.76
22 66 53 00-0472	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	181.71	55.66
22 66 53 00-0473	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	233.20	62.22
22 66 53 00-0474	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	305.11	74.41
22 66 53 00-0475	EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	177.07	52.57
<b>22 66 53 00-0476</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 66 53 00-0464)</small></b>		
22 66 53 00-0477	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	152.03	49.76
22 66 53 00-0478	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	181.71	55.66
22 66 53 00-0479	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	233.20	62.22
22 66 53 00-0480	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	305.11	74.41
<b>22 66 53 00-0481</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends <small>(22 66 53 00-0464)</small></b>		
22 66 53 00-0482	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	178.82	49.76
22 66 53 00-0483	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	223.38	55.66
22 66 53 00-0484	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	343.35	62.22
22 66 53 00-0485	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	385.48	74.41
<b>22 66 53 00-0486</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 66 53 00-0464)</small></b>		
22 66 53 00-0487	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	172.87	49.76
22 66 53 00-0488	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	205.52	55.66
22 66 53 00-0489	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	316.55	62.22
22 66 53 00-0490	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	358.69	74.41
<b>22 66 53 00-0491</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends <small>(22 66 53 00-0464)</small></b>		
22 66 53 00-0492	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	261.10	74.87
<b>22 66 53 00-0493</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees <small>(22 66 53 00-0464)</small></b>		
22 66 53 00-0494	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	213.47	74.87
22 66 53 00-0495	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	263.38	84.34
22 66 53 00-0496	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	346.31	93.99
22 66 53 00-0497	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	522.92	112.55
<b>22 66 53 00-0498</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees <small>(22 66 53 00-0464)</small></b>		
22 66 53 00-0499	EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	246.71	81.16
22 66 53 00-0500	EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	300.85	87.53
22 66 53 00-0501	EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	320.37	90.61
22 66 53 00-0502	EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	343.36	99.99
22 66 53 00-0503	EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	377.41	102.80
22 66 53 00-0504	EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	408.89	105.89
<b>22 66 53 00-0505</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0464)</small></b>		
22 66 53 00-0506	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	213.84	75.16
22 66 53 00-0507	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	251.47	84.34
22 66 53 00-0508	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	334.41	93.99
22 66 53 00-0509	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	522.92	112.55
<b>22 66 53 00-0510</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0464)</small></b>		
22 66 53 00-0511	EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	238.41	81.62
22 66 53 00-0512	EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	291.90	87.43
22 66 53 00-0513	EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	305.90	90.90
22 66 53 00-0514	EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	343.81	100.27
22 66 53 00-0515	EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	378.26	103.36
22 66 53 00-0516	EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	400.35	106.17
<b>22 66 53 00-0517</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes <small>(22 66 53 00-0464)</small></b>		
22 66 53 00-0518	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	319.73	100.08
22 66 53 00-0519	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	406.96	112.64
22 66 53 00-0520	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	520.24	124.64
22 66 53 00-0521	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	677.14	149.84
22 66 53 00-0522	EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	352.44	105.98
22 66 53 00-0523	EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	394.54	112.27
22 66 53 00-0524	EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	469.39	118.45
22 66 53 00-0525	EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	518.14	131.19
22 66 53 00-0526	EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	623.37	137.85

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0527			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0528	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	355.39	100.08
22 66 53 00-0529	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	418.65	112.45
22 66 53 00-0530	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	598.69	125.29
22 66 53 00-0531	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	835.15	150.03
22 66 53 00-0532	EA		2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	382.15	105.98
22 66 53 00-0533	EA		3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	498.69	112.27
22 66 53 00-0534	EA		3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	525.88	118.45
22 66 53 00-0535	EA		4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	562.74	131.10
22 66 53 00-0536	EA		4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	714.92	137.28
22 66 53 00-0537			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0538	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	236.92	74.59
22 66 53 00-0539	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	275.28	84.34
22 66 53 00-0540	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	334.41	93.99
22 66 53 00-0541	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	556.66	112.55
22 66 53 00-0542			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0543	EA		2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	261.67	81.25
22 66 53 00-0544	EA		3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	292.27	87.71
22 66 53 00-0545	EA		3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	317.81	90.90
22 66 53 00-0546	EA		4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	430.13	100.27
22 66 53 00-0547	EA		4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	440.78	103.36
22 66 53 00-0548	EA		4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	492.63	106.17
22 66 53 00-0549			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0550	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend .....	376.02	99.89
22 66 53 00-0551	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend .....	472.14	112.36
22 66 53 00-0552	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend .....	678.39	124.91
22 66 53 00-0553	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend .....	814.79	150.31
22 66 53 00-0554			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0555	EA		2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	408.95	105.98
22 66 53 00-0556	EA		3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	489.74	112.17
22 66 53 00-0557	EA		3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	511.00	118.45
22 66 53 00-0558	EA		4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	568.70	131.10
22 66 53 00-0559	EA		4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	714.92	137.28
22 66 53 00-0560			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0561	EA		2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	177.85	53.13
22 66 53 00-0562	EA		3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	200.39	56.23
22 66 53 00-0563	EA		3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	235.29	65.60
22 66 53 00-0564	EA		4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	277.99	62.32
22 66 53 00-0565	EA		4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	294.57	65.40
22 66 53 00-0566	EA		4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	311.16	68.50
22 66 53 00-0567			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0568	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee .....	163.84	43.76
22 66 53 00-0569	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee .....	190.29	49.48
22 66 53 00-0570	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee .....	223.87	56.04
22 66 53 00-0571	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee .....	405.95	68.22
22 66 53 00-0572			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0573	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	73.04	24.93
22 66 53 00-0574	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug .....	86.38	27.83
22 66 53 00-0575	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug .....	94.28	31.11
22 66 53 00-0576	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug .....	121.29	37.20

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 66 53 00-0577</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0578	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	297.45	49.48
22 66 53 00-0579	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	306.73	55.66
22 66 53 00-0580	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	379.07	62.22
22 66 53 00-0581	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	483.72	74.41
22 66 53 00-0582	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap .....	413.14	53.22
22 66 53 00-0583	EA 2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap .....	568.38	59.41
22 66 53 00-0584	EA 3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap .....	687.74	65.60
22 66 53 00-0585	EA 4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap .....	855.38	78.15
<b>22 66 53 00-0586</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0587	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap .....	552.05	56.51
22 66 53 00-0588	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap .....	870.67	62.50
22 66 53 00-0589	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap .....	575.52	56.23
22 66 53 00-0590	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap .....	870.67	62.50
<b>22 66 53 00-0591</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0592	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap .....	513.01	56.23
22 66 53 00-0593	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap .....	602.75	62.50
22 66 53 00-0594	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap .....	593.38	56.23
22 66 53 00-0595	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap .....	1,302.31	62.50
22 66 53 00-0596	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap .....	775.41	62.50
<b>22 66 53 00-0597</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0598	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend .....	214.87	50.04
22 66 53 00-0599	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend .....	280.81	56.23
<b>22 66 53 00-0600</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0601	EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter .....	109.81	37.48
22 66 53 00-0602	EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter .....	200.82	40.67
22 66 53 00-0603	EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter .....	147.69	46.85
<b>22 66 53 00-0604</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0605	EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	205.02	53.32
22 66 53 00-0606	EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	224.20	56.23
22 66 53 00-0607	EA 1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	249.73	59.31
22 66 53 00-0608	EA 1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	267.78	65.40
22 66 53 00-0609	EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	249.77	59.41
22 66 53 00-0610	EA 2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	263.34	62.50
22 66 53 00-0611	EA 2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	284.37	68.50
22 66 53 00-0612	EA 3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	321.65	65.60
22 66 53 00-0613	EA 4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter .....	396.96	78.15
<b>22 66 53 00-0614</b>	<b>Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0615	EA 1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting .....	71.44	
22 66 53 00-0616	EA 2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting .....	83.35	
22 66 53 00-0617	EA 3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting .....	89.31	
22 66 53 00-0618	EA 4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting .....	98.24	
<b>22 66 53 00-0619</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0620	EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet .....	528.66	25.02
22 66 53 00-0621	EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper .....	200.34	12.46
22 66 53 00-0622	EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow .....	373.00	12.46
<b>22 66 53 00-0623</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0624	EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer .....	1,896.14	125.01
22 66 53 00-0625	EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer .....	2,340.13	131.28
22 66 53 00-0626	EA Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain .....	1,572.66	12.46
<b>22 66 83</b>	<b>Chemical-Waste Tanks</b> <small>(22 66)</small>		
<b>22 66 83 16</b>	<b>Chemical-Waste Neutralization Tanks</b> <small>(22 66 83)</small>		
<b>22 66 83 16-0001</b>	<b>Acid Neutralization Tank</b> <small>(22 66 83 16)</small>		

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 83 16-0002			<b>Polyethylene Acid Neutralization Tank</b> <small>(22 66 83 16-0001)</small>		
22 66 83 16-0003	EA		5 Gallon Capacity Polyethylene Acid Neutralization Tank.....	441.44	190.79
22 66 83 16-0004	EA		15 Gallon Capacity Polyethylene Acid Neutralization Tank.....	784.81	264.55
22 66 83 16-0005	EA		30 Gallon Capacity Polyethylene Acid Neutralization Tank.....	985.78	381.56
22 66 83 16-0006	EA		55 Gallon Capacity Polyethylene Acid Neutralization Tank.....	1,269.01	508.75
22 66 83 16-0007	EA		100 Gallon Capacity Polyethylene Acid Neutralization Tank.....	1,621.51	610.50
22 66 83 16-0008	EA		150 Gallon Capacity Polyethylene Acid Neutralization Tank.....	2,203.82	763.12
22 66 83 16-0009	EA		200 Gallon Capacity Polyethylene Acid Neutralization Tank.....	2,557.96	953.91
22 66 83 16-0010	EA		275 Gallon Capacity Polyethylene Acid Neutralization Tank.....	3,303.38	1,144.68
22 66 83 16-0011	EA		350 Gallon Capacity Polyethylene Acid Neutralization Tank.....	3,764.53	1,373.62
22 66 83 16-0012			<b>Polypropylene Acid Neutralization Tank</b> <small>(22 66 83 16-0001)</small>		
22 66 83 16-0013	EA		5 Gallon Capacity Polypropylene Acid Neutralization Tank.....	703.34	190.79
22 66 83 16-0014	EA		15 Gallon Capacity Polypropylene Acid Neutralization Tank.....	1,199.48	264.55
22 66 83 16-0015	EA		30 Gallon Capacity Polypropylene Acid Neutralization Tank.....	1,927.45	381.56
22 66 83 16-0016	EA		55 Gallon Capacity Polypropylene Acid Neutralization Tank.....	2,541.10	508.75
22 66 83 16-0017	EA		100 Gallon Capacity Polypropylene Acid Neutralization Tank.....	3,209.51	610.50
22 66 83 16-0018	EA		150 Gallon Capacity Polypropylene Acid Neutralization Tank.....	3,616.17	763.12
22 66 83 16-0019	EA		200 Gallon Capacity Polypropylene Acid Neutralization Tank.....	3,964.09	953.91
22 66 83 16-0020	EA		275 Gallon Capacity Polypropylene Acid Neutralization Tank.....	5,758.64	1,144.68
22 66 83 16-0021	EA		350 Gallon Capacity Polypropylene Acid Neutralization Tank.....	6,252.52	1,373.62
22 66 83 16-0022			<b>Chemical Dilution Trap</b> <small>(22 66 83 16)</small>		
22 66 83 16-0023	EA		1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap..... Note: 1-1/2" top inlet and side outlet with anti siphon.	384.04	63.60
22 66 83 16-0024	EA		1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap..... Note: 1-1/2" top inlet and side outlet with anti siphon.	395.73	63.60
22 66 83 16-0025	EA		2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap..... Note: 1-1/2" top inlet and side outlet with anti siphon.	407.42	63.60
22 66 83 16-0026	EA		5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap..... Note: 1-1/2" top inlet and side outlet with anti siphon.	448.34	76.31

**END OF SECTION 22**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

## 23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

### 23 01 Operation and Maintenance of HVAC Systems (23)

#### 23 01 10 Operation and Maintenance of Facility Fuel Systems (23 01)

##### 23 01 10 91 Facility Fuel Systems Restoration (23 01 10)

##### 23 01 10 91-0001 Professional Certification For Hospital (23 01 10 91)

23 01 10 91-0002 HR Hospital/Lab Certification - Oxygen, Air, Water Lines, Medical Gases, Nitrogen And Vacuum..... 164.95

##### 23 01 10 91-0003 Purge Gas Systems (23 01 10 91)

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0004	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems .....	469.97
23 01 10 91-0005	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems .....	671.20
23 01 10 91-0006	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems .....	704.84
23 01 10 91-0007	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems .....	777.08
23 01 10 91-0008	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems .....	1,407.26
23 01 10 91-0009	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems .....	631.38
23 01 10 91-0010	EA	>100' To 250', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems .....	906.68
23 01 10 91-0011	EA	>250' To 500', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems .....	958.86
23 01 10 91-0012	EA	>500' To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems .....	1,070.52
23 01 10 91-0013	EA	>1,000' To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems .....	1,945.19
23 01 10 91-0014	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems .....	745.70
23 01 10 91-0015	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems .....	1,094.35
23 01 10 91-0016	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems .....	2,482.41
23 01 10 91-0017	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems .....	3,871.78
23 01 10 91-0018	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems .....	7,273.07

#### 23 01 20 Operation and Maintenance of HVAC Piping and Pumps (23 01)

##### 23 01 20 91 HVAC Piping and Pumps Restoration (23 01 20)

##### 23 01 20 91-0001 Lock Out/Tag Out System (23 01 20 91)

23 01 20 91-0002	EA	Up To 1", Lock Out/Tag Out Valve.....	25.44
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0003	EA	>1" To 3", Lock Out/Tag Out Valve .....	30.53
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0004	EA	>3" To 6", Lock Out/Tag Out Valve .....	35.62
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0005	EA	>6" To 10", Lock Out/Tag Out Valve .....	40.70
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0006	EA	>10" To 14", Lock Out/Tag Out Valve .....	50.88
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0007	EA	Lock Out/Tag Out Padlock System .....	10.18
23 01 20 91-0008	EA	Lock Out/Tag Out Tag.....	3.16

##### 23 01 20 91-0009 Freeze Pipe Using CO2 Kit (23 01 20 91)

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010 EA Up To 2" Freeze Pipe Using CO2 Kit..... 274.24

##### 23 01 20 91-0011 Pipe Freezing (23 01 20 91)

Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 1" Pipe Freezing, First Location .....	711.77
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0013	EA	Up To 1" Pipe Freezing, Each Additional Location After First .....	325.77
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0014	EA	>1" To 1-1/2" Pipe Freezing, First Location .....	865.34
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0015	EA	>1" To 1-1/2" Pipe Freezing, Each Additional Location After First .....	374.34
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0016	EA	>1-1/2" To 2" Pipe Freezing, First Location .....	1,219.07
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0017	EA	>1-1/2" To 2" Pipe Freezing, Each Additional Location After First .....	423.07
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0018	EA	>2" To 3" Pipe Freezing, First Location.....	1,392.65
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0019	EA	>2" To 3" Pipe Freezing, Each Additional Location After First .....	505.65
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0020	EA	>3" To 4" Pipe Freezing, First Location.....	2,085.59
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0021	EA	>3" To 4" Pipe Freezing, Each Additional Location After First .....	581.59
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0022	EA	>4" To 6" Pipe Freezing, First Location.....	4,463.53
Note: Includes freezing on each side of valve or fitting.			

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 01 20 91-0023	EA	>4" To 6" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	797.53		
23 01 20 91-0024	EA	>6" To 8" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	5,937.56		
23 01 20 91-0025	EA	>6" To 8" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,202.56		
23 01 20 91-0026	EA	>8" To 10" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	8,227.46		
23 01 20 91-0027	EA	>8" To 10" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,672.46		
23 01 20 91-0028	EA	>10" To 12" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	10,622.07		
23 01 20 91-0029	EA	>10" To 12" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	2,207.07		
<b>23 01 20 91-0030</b>		<b>Water/Chlorine Pipe Disinfection/Flush/Testing</b> <small>(23 01 20 91)</small> Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".			
23 01 20 91-0031	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing	1.69		
23 01 20 91-0032	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing	2.32		
23 01 20 91-0033	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing	3.57		
23 01 20 91-0034	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing	4.94		
23 01 20 91-0035	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing	6.09		
23 01 20 91-0036	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing	7.71		
23 01 20 91-0037	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing	10.15		
23 01 20 91-0038	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing	12.19		
<b>23 01 20 91-0039</b>		<b>Shut Down Existing Piping System</b> <small>(23 01 20 91)</small>			
23 01 20 91-0040	EA	Shut Down Existing Interior Piping System Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	208.09		
<b>23 01 20 91-0041</b>		<b>Purge Liquid Systems</b> <small>(23 01 20 91)</small> Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.			
23 01 20 91-0042	EA	Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System	321.68		
23 01 20 91-0043	EA	>50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System	402.09		
23 01 20 91-0044	EA	>100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System	573.93		
23 01 20 91-0045	EA	>250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System	687.74		
23 01 20 91-0046	EA	>500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System	727.03		
23 01 20 91-0047	EA	>1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	1,388.10		
23 01 20 91-0048	EA	Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	334.94		
23 01 20 91-0049	EA	>100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	478.36		
23 01 20 91-0050	EA	>250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	573.18		
23 01 20 91-0051	EA	>500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	605.93		
23 01 20 91-0052	EA	>1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	1,156.78		
23 01 20 91-0053	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	445.85		
23 01 20 91-0054	EA	>100 To 250', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	636.22		
23 01 20 91-0055	EA	>250 To 500', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	757.41		
23 01 20 91-0056	EA	>500 To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	805.36		
23 01 20 91-0057	EA	>1,000 To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	1,551.78		
23 01 20 91-0058	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Liquid System	549.66		
23 01 20 91-0059	EA	>100 To 250', >4" To 10" Diameter Pipe, Purge Liquid System	785.46		
23 01 20 91-0060	EA	>250 To 500', >4" To 10" Diameter Pipe, Purge Liquid System	2,124.68		
23 01 20 91-0061	EA	>1,000 To 2,000', >4" To 10" Diameter Pipe, Purge Liquid System	3,371.77		
<b>23 01 20 91-0062</b>		<b>Special Cleaning Of Piping Systems</b> <small>(23 01 20 91)</small>			
<b>23 01 20 91-0063</b>		<b>Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing</b> <small>(23 01 20 91-0062)</small>			
23 01 20 91-0064	LF	Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	2.12		
23 01 20 91-0065	LF	>1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	3.54		
23 01 20 91-0066	LF	>2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	4.98		
23 01 20 91-0067	LF	>3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	6.44		
23 01 20 91-0068	LF	>4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	8.94		
<b>23 01 20 91-0069</b>		<b>Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing</b> <small>(23 01 20 91-0062)</small>			
23 01 20 91-0070	LF	Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	2.29		
23 01 20 91-0071	LF	>1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	3.75		
23 01 20 91-0072	LF	>2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	5.27		
23 01 20 91-0073	LF	>3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	6.88		
23 01 20 91-0074	LF	>4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	9.52		
<b>23 01 20 91-0075</b>		<b>Drewspere 4945/4395 Pipe Disinfection/Flush/Testing</b> <small>(23 01 20 91-0062)</small>			
23 01 20 91-0076	LF	Up To 1", Drewspere 4945/4395 Pipe Disinfection/Flush/Testing	2.34		
23 01 20 91-0077	LF	>1" To 2", Drewspere 4945/4395 Pipe Disinfection/Flush/Testing	3.84		
23 01 20 91-0078	LF	>2" To 3", Drewspere 4945/4395 Pipe Disinfection/Flush/Testing	5.39		
23 01 20 91-0079	LF	>3" To 4", Drewspere 4945/4395 Pipe Disinfection/Flush/Testing	7.05		
23 01 20 91-0080	LF	>4" To 6", Drewspere 4945/4395 Pipe Disinfection/Flush/Testing	9.74		
<b>23 01 20 91-0081</b>		<b>Add-A-Valve Emergency Shut Off Device</b> <small>(23 01 20 91)</small>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 01 20 91-0082	EA		1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD).....	279.35	
23 01 20 91-0083	EA		3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD).....	351.39	
23 01 20 91-0084	EA		1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD).....	485.33	
23 01 20 91-0085	EA		1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD).....	739.27	
23 01 20 91-0086	EA		1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD).....	911.71	
23 01 20 91-0087	EA		2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD).....	1,372.51	

23 01 30 Operation and Maintenance of HVAC Air Distribution (23 01)

23 01 30 51 HVAC Air-Distribution System Cleaning (23 01 30)

23 01 30 51-0001 Cleaning Of Ductwork And HVAC Equipment (23 01 30 51)

23 01 30 51-0002	LF		Up To 2 SF Cross Section, Clean Supply/Return Ductwork.....	4.30	
			Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.		
			<i>For Exhaust Ductwork, Add</i>	1.08	
23 01 30 51-0003	LF		>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork.....	5.39	
			Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.		
			<i>For Exhaust Ductwork, Add</i>	1.35	
23 01 30 51-0004	LF		>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork.....	7.21	
			Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.		
			<i>For Exhaust Ductwork, Add</i>	1.80	
23 01 30 51-0005	LF		>8 SF Cross Section, Clean Supply/Return Ductwork.....	10.20	
			Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.		
			<i>For Exhaust Ductwork, Add</i>	2.55	
23 01 30 51-0006	SF		Clean Duct Dampers.....	14.52	
23 01 30 51-0007	SF		Clean Duct Fire Dampers.....	29.04	
23 01 30 51-0008	SF		Clean Louver.....	11.62	
23 01 30 51-0009	EA		Clean Turning Vane Set.....	34.86	
23 01 30 51-0010	EA		Clean Grille/Diffuser/Register.....	34.86	
			Note: Includes removal and reinstallation.		
23 01 30 51-0011	LF		Clean Linear Diffuser.....	8.71	
			Note: Includes removal and reinstallation.		
23 01 30 51-0012	EA		Cut Access For Cleaning Duct And Install Duct Insulated Access Doors.....	122.29	
			<i>For Stainless Steel, Add</i>	87.98	
23 01 30 51-0013	EA		Clean Variable Air Volume (VAV) Unit.....	104.57	
23 01 30 51-0014	EA		Clean Fan Powered Induction Unit (PIU) Unit.....	139.42	
23 01 30 51-0015	EA		Clean Fan Coil Unit (FCU).....	139.42	
23 01 30 51-0016	EA		Clean Packaged Terminal Air Conditioning Unit.....	139.42	
23 01 30 51-0017	EA		Clean Supply Or Return Fan.....	278.85	
23 01 30 51-0018	EA		Clean Exhaust Fan.....	244.00	
23 01 30 51-0019	EA		Clean Duct Coil.....	209.14	
23 01 30 51-0020	SF		Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum.....	6.97	
			Note: Excluding fan and coils.		
23 01 30 51-0021	EA		Clean Air Handling Unit Fan.....	278.85	
23 01 30 51-0022	EA		Clean Air Handling Unit Coil.....	418.28	
23 01 30 51-0023	SF		Clean Equipment Surfaces, Rust Reform And Prime.....	3.42	
23 01 30 51-0024	SF		Clean Interior Equipment Surfaces, Rust Reform And Prime.....	4.12	
23 01 30 51-0025	SF		High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms.....	0.59	
23 01 30 51-0026	EA		Cleaning Of Ductwork Minimum Set-up Charge.....	936.13	
			Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
23 01 30 51-0027	SF		Apply Antimicrobial Agent To Ductwork And Surfaces After Cleaning.....	0.59	

23 01 30 61 HVAC Air-Distribution Duct Repair (23 01 30)

23 01 30 61-0001 Repair And Seal Ductwork (23 01 30 61)

			Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.		
23 01 30 61-0002	SF		Repair And Sealing Of Ductwork.....	2.26	
			Note: Clean, apply sealant and tape		

23 01 50 Operation and Maintenance of Central Heating Equipment (23 01)

23 01 50 61 Central Heating Equipment Repair (23 01 50)

23 01 50 61-0001 Boiler Repairs (23 01 50 61)

23 01 50 61-0002 Setup And Maintenance (23 01 50 61-0001)

23 01 50 61-0003	EA		Set-up Charge For Boiler Fire Side Maintenance.....	2,194.68	
			Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.		
23 01 50 61-0004	EA		Close-up Charge For Boiler Fire Side Maintenance.....	2,358.07	
			Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.		
			<i>For Burner Seals, Add</i>	619.47	
			Note: Used when burner must be removed from door for maintenance.		
23 01 50 61-0005	EA		Setup Charge For Boiler Water Side Maintenance.....	2,926.25	
			Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.		
23 01 50 61-0006	EA		Up To 100 HP, Hydrostatic Test - Boiler Maintenance.....	1,463.12	
			Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 01 Operation and Maintenance of HVAC Systems****23 01 50 Operation and Maintenance of Central Heating Equipment**

HUMBOLDT STATE UNIVERSITY

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0007 EA >100 HP, Hydrostatic Test - Boiler Maintenance .....	2,926.25	
Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.		
23 01 50 61-0008 EA Removal And Replacement Of Handhole .....	91.45	
23 01 50 61-0009 EA Removal And Replacement Of Manhole .....	274.34	
23 01 50 61-0010 SF Sheet Metal Jacket Patch .....	10.24	
<b>23 01 50 61-0011 Boiler Tube Replacement</b> <small>(23 01 50 61-0001)</small>		
23 01 50 61-0012 EA Removal Of Up To 2" Boiler Tube .....	219.46	
23 01 50 61-0013 EA Removal Of >2" To 3" Boiler Tube .....	274.34	
23 01 50 61-0014 EA Removal Of >3" To 4" Boiler Tube .....	384.06	
23 01 50 61-0015 LF Place 1-1/2" Boiler Tube Into Position For Termination.....	6.74	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0016 LF Place 2" Boiler Tube Into Position For Termination.....	7.81	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0017 LF Place 2-1/2" Boiler Tube Into Position For Termination.....	8.87	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0018 LF Place 3" Boiler Tube Into Position For Termination.....	12.43	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0019 LF Place 3-1/2" Boiler Tube Into Position For Termination.....	14.47	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0020 LF Place 4" Boiler Tube Into Position For Termination.....	18.32	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0021 EA 1-1/2" Rolled Boiler Tube Termination (2 Per New Tube) .....	27.43	
23 01 50 61-0022 EA 2" Rolled Boiler Tube Termination (2 Per New Tube) .....	41.15	
23 01 50 61-0023 EA 2-1/2" Rolled Boiler Tube Termination (2 Per New Tube) .....	54.87	
23 01 50 61-0024 EA 3" Rolled Boiler Tube Termination (2 Per New Tube) .....	68.58	
23 01 50 61-0025 EA 3-1/2" Rolled Boiler Tube Termination (2 Per New Tube) .....	82.30	
23 01 50 61-0026 EA 4" Rolled Boiler Tube Termination (2 Per New Tube) .....	96.01	
23 01 50 61-0027 EA 1-1/2" Welded Boiler Tube Termination (2 Per New Tube) .....	82.30	
23 01 50 61-0028 EA 2" Welded Boiler Tube Termination (2 Per New Tube) .....	109.74	
23 01 50 61-0029 EA 2-1/2" Welded Boiler Tube Termination (2 Per New Tube) .....	137.17	
23 01 50 61-0030 EA 3" Welded Boiler Tube Termination (2 Per New Tube) .....	164.60	
23 01 50 61-0031 EA 3-1/2" Welded Boiler Tube Termination (2 Per New Tube) .....	192.03	
23 01 50 61-0032 EA 4" Welded Boiler Tube Termination (2 Per New Tube) .....	219.46	
23 01 50 61-0033 EA Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced .....	286.54	
<b>23 01 50 61-0034 Cast Iron Boiler Section Replacement</b> <small>(23 01 50 61-0001)</small>		
23 01 50 61-0035 EA Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler .....	2,396.53	
23 01 50 61-0036 EA Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler .....	1,639.75	
23 01 50 61-0037 EA Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler .....	2,078.67	
23 01 50 61-0038 EA Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler .....	4,394.51	
23 01 50 61-0039 EA Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler .....	3,222.76	
23 01 50 61-0040 EA Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler .....	3,786.53	
23 01 50 61-0041 EA Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler .....	7,105.93	
23 01 50 61-0042 EA Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler .....	5,501.40	
23 01 50 61-0043 EA Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler .....	5,950.76	
<b>23 01 50 61-0044 Cast Iron Grate Replacement</b> <small>(23 01 50 61-0001)</small>		
23 01 50 61-0045 SF Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold.....	107.68	
Note: Includes support, linkages and removal of existing.		
23 01 50 61-0046 EA Prepare Cast Iron Boiler Grate Mold .....	1,496.30	
Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.		
<b>23 01 50 61-0047 Replacement Or Conversion Of Boiler Burners</b> <small>(23 01 50 61-0001)</small>		
Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
23 01 50 61-0048 EA 700 MBH Max Input Burner With 2" Boiler Connection, Screwed .....	7,699.47	998.83
23 01 50 61-0049 EA 2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed .....	11,058.53	1,236.62
23 01 50 61-0050 EA 2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed .....	13,071.53	1,498.13
23 01 50 61-0051 EA 3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged .....	15,381.05	1,612.61
<b>23 01 50 61-0052 Video Inspection Of Boiler Tubing</b> <small>(23 01 50 61-0001)</small>		
23 01 50 61-0053 EA Initial Set Up For Boiler Tubing Video Camera Inspection .....	407.35	
23 01 50 61-0054 LF Boiler Tubing Inspection.....	0.49	
<b>23 01 50 61-0055 Boiler And Chiller Water Treatment</b> <small>(23 01 50 61)</small>		
Note: 3 LB chemical per 50 gallon system water.		
23 01 50 61-0056 LB Boil Out Boiler And System With Caustic Soda.....	1.17	
Note: Includes disposal after treatment.		
23 01 50 61-0057 LB Boil Out Boiler And System With Trisodium Phosphate .....	1.75	
Note: Includes disposal after treatment.		
23 01 50 61-0058 GAL Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required .....	109.38	
<b>23 01 50 91 Central Heating Equipment Restoration</b> <small>(23 01 50)</small>		
<b>23 01 50 91-0001 Boiler Controllers</b> <small>(23 01 50 91)</small>		
23 01 50 91-0002 EA Modulating Controller For Up To 4 Boilers/Heaters.....	5,931.85	93.77
For NEMA 4 Enclosure, Add	3,285.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 01 50 91-0003 EA Staging Controller For Up To 4 Boiler/Heaters..... For NEMA 3R Enclosure, Add	1,274.51 229.20	93.77
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23 01 60 Operation and Maintenance of Central Cooling Equipment (23 01)

23 01 60 71 Refrigerant Recovery/Recycling (23 01 60)

23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling (23 01 60 71)

23 01 60 71-0002 LB Recovery Of Refrigerant .....	7.98	
23 01 60 71-0003 LB Recovery And Recharging Of Refrigerant.....	14.95	
Note: Includes cleaning refrigerant gas prior to recharging.		

23 05 Common Work Results for HVAC (23)

23 05 13 Common Motor Requirements for HVAC Equipment (23 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001 Premium Efficient, Motors (23 05 13)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation.

23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)

23 05 13 00-0004 EA 1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	613.18	
23 05 13 00-0005 EA 1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	694.31	
23 05 13 00-0006 EA 1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	814.02	
23 05 13 00-0007 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	683.67	
23 05 13 00-0008 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	726.23	
23 05 13 00-0009 EA 1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	952.35	
23 05 13 00-0010 EA 2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	803.38	
23 05 13 00-0011 EA 2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	778.11	
23 05 13 00-0012 EA 2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	973.63	
23 05 13 00-0013 EA 3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	814.02	
23 05 13 00-0014 EA 3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	839.29	
23 05 13 00-0015 EA 3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,239.65	
23 05 13 00-0016 EA 5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	888.51	
23 05 13 00-0017 EA 5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	919.10	
23 05 13 00-0018 EA 5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,624.05	
23 05 13 00-0019 EA 7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,409.91	
23 05 13 00-0020 EA 7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,351.38	
23 05 13 00-0021 EA 7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,947.27	
23 05 13 00-0022 EA 10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,612.08	
23 05 13 00-0023 EA 10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,636.02	
23 05 13 00-0024 EA 10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	2,533.84	
23 05 13 00-0025 EA 15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	2,290.43	
23 05 13 00-0026 EA 15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	2,317.03	
23 05 13 00-0027 EA 15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	3,417.03	
23 05 13 00-0028 EA 20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	2,690.79	
23 05 13 00-0029 EA 20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	2,908.93	
23 05 13 00-0030 EA 20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	4,159.22	
23 05 13 00-0031 EA 25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	3,230.81	
23 05 13 00-0032 EA 25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	3,546.05	
23 05 13 00-0033 EA 25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	5,023.79	
23 05 13 00-0034 EA 30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	3,812.07	
23 05 13 00-0035 EA 30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	3,877.24	
23 05 13 00-0036 EA 30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	5,240.59	
23 05 13 00-0037 EA 40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	4,912.06	
23 05 13 00-0038 EA 40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	5,058.37	
23 05 13 00-0039 EA 50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	5,349.66	
23 05 13 00-0040 EA 50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	5,582.43	
23 05 13 00-0041 EA 60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	6,768.88	
23 05 13 00-0042 EA 60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	7,028.25	
23 05 13 00-0043 EA 75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	8,879.75	
23 05 13 00-0044 EA 75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	8,627.03	
23 05 13 00-0045 EA 100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	9,491.59	
23 05 13 00-0046 EA 100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	10,036.93	
23 05 13 00-0047 EA 125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	11,912.38	
23 05 13 00-0048 EA 125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	12,312.74	
23 05 13 00-0049 EA 150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	14,694.94	

23 05 13 00-0050 Cast Iron Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)

23 05 13 00-0051 EA 40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	7,465.85	
23 05 13 00-0052 EA 50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	9,038.03	
23 05 13 00-0053 EA 60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	11,474.77	
23 05 13 00-0054 EA 75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	12,775.61	
23 05 13 00-0055 EA 100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	14,061.82	
23 05 13 00-0056 EA 125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	15,185.75	
23 05 13 00-0057 EA 150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	13,677.42	
23 05 13 00-0058 EA 150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	17,884.52	
23 05 13 00-0059 EA 200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	16,652.85	
23 05 13 00-0060 EA 200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	17,091.78	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 13 Common Motor Requirements for HVAC Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 05 13 00-0061	EA	200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor .....	23,509.52		
<b>23 05 13 00-0062</b>		<b>Premium Efficient, TEFC Motors</b> <small>(23 05 13 00-0001)</small>			
		Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.			
<b>23 05 13 00-0063</b>		<b>Steel Frame, Premium Efficient, TEFC Motors</b> <small>(23 05 13 00-0062)</small>			
23 05 13 00-0064	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor .....	716.92		
23 05 13 00-0065	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	790.08		
23 05 13 00-0066	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	940.38		
23 05 13 00-0067	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	812.69		
23 05 13 00-0068	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	820.67		
23 05 13 00-0069	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	889.84		
23 05 13 00-0070	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	851.26		
23 05 13 00-0071	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	986.93		
23 05 13 00-0072	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	940.38		
23 05 13 00-0073	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	1,509.66		
23 05 13 00-0074	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	1,094.67		
23 05 13 00-0075	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	1,029.50		
23 05 13 00-0076	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	1,705.19		
23 05 13 00-0077	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	1,640.01		
23 05 13 00-0078	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	1,484.39		
23 05 13 00-0079	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	1,662.62		
23 05 13 00-0080	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor .....	1,675.93		
<b>23 05 13 00-0081</b>		<b>Cast Iron Frame, Premium Efficient, TEFC Motors</b> <small>(23 05 13 00-0062)</small>			
23 05 13 00-0082	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,022.85		
23 05 13 00-0083	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,145.22		
23 05 13 00-0084	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,080.04		
23 05 13 00-0085	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,060.09		
23 05 13 00-0086	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,363.35		
23 05 13 00-0087	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,135.91		
23 05 13 00-0088	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,110.63		
23 05 13 00-0089	EA	2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,384.63		
23 05 13 00-0090	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,226.35		
23 05 13 00-0091	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,260.93		
23 05 13 00-0092	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,725.14		
23 05 13 00-0093	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,509.66		
23 05 13 00-0094	EA	5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,262.26		
23 05 13 00-0095	EA	5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	2,001.80		
23 05 13 00-0096	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,747.75		
23 05 13 00-0097	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,683.91		
23 05 13 00-0098	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	2,854.39		
23 05 13 00-0099	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	2,048.35		
23 05 13 00-0100	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,888.74		
23 05 13 00-0101	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	3,258.74		
23 05 13 00-0102	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	2,822.47		
23 05 13 00-0103	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	2,583.05		
23 05 13 00-0104	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	4,346.77		
23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	3,097.80		
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	3,132.39		
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	5,787.27		
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	4,042.17		
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	4,096.71		
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	6,548.08		
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	4,802.99		
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	4,860.19		
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	7,564.28		
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	6,584.00		
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	6,355.22		
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	9,426.42		
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	7,202.49		
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	6,945.78		
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	11,390.98		
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	10,118.07		
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	9,994.37		
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	13,826.39		
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	11,771.38		
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	11,686.26		
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	16,100.86		
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	14,512.72		
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	17,966.99		
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	20,667.09		
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	25,974.19		
<b>23 05 13 00-0130</b>		<b>Premium Efficient, Severe Duty Motors</b> <small>(23 05 13 00-0001)</small>			
		Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.			
23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,062.75		
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,167.83		
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,290.20		
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,812.93		
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,209.06		
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,190.44		
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,509.66		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0138	EA		1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,255.85	
23 05 13 00-0139	EA		2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,264.93	
23 05 13 00-0140	EA		2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,242.31	
23 05 13 00-0141	EA		2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,529.62	
23 05 13 00-0142	EA		2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,845.08	
23 05 13 00-0143	EA		3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,496.36	
23 05 13 00-0144	EA		3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,572.18	
23 05 13 00-0145	EA		3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,207.97	
23 05 13 00-0146	EA		3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,085.83	
23 05 13 00-0147	EA		5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,840.86	
23 05 13 00-0148	EA		5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,600.11	
23 05 13 00-0149	EA		5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,237.23	
23 05 13 00-0150	EA		5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,912.06	
23 05 13 00-0151	EA		7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,402.16	
23 05 13 00-0152	EA		7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,015.10	
23 05 13 00-0153	EA		7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,201.55	
23 05 13 00-0154	EA		7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,617.01	
23 05 13 00-0155	EA		10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,557.78	
23 05 13 00-0156	EA		10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,412.80	
23 05 13 00-0157	EA		10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,159.22	
23 05 13 00-0158	EA		10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,552.07	
23 05 13 00-0159	EA		15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,272.05	
23 05 13 00-0160	EA		15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,073.86	
23 05 13 00-0161	EA		15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,768.41	
23 05 13 00-0162	EA		15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,746.74	
23 05 13 00-0163	EA		20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,817.39	
23 05 13 00-0164	EA		20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,297.32	
23 05 13 00-0165	EA		20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,478.92	
23 05 13 00-0166	EA		20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	9,971.76	
23 05 13 00-0167	EA		25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,587.51	
23 05 13 00-0168	EA		25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,314.84	
23 05 13 00-0169	EA		25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,770.21	
23 05 13 00-0170	EA		30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,593.07	
23 05 13 00-0171	EA		30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,123.55	
23 05 13 00-0172	EA		30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,728.12	
23 05 13 00-0173	EA		40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,683.99	
23 05 13 00-0174	EA		40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,703.70	
23 05 13 00-0175	EA		40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	10,878.89	
23 05 13 00-0176	EA		50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,052.43	
23 05 13 00-0177	EA		50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,868.87	
23 05 13 00-0178	EA		50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	11,587.83	
23 05 13 00-0179	EA		60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	11,686.26	
23 05 13 00-0180	EA		60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	10,546.36	
23 05 13 00-0181	EA		60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	15,828.19	
23 05 13 00-0182	EA		75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	13,064.24	
23 05 13 00-0183	EA		75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	12,323.38	
23 05 13 00-0184	EA		75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	19,263.84	
23 05 13 00-0185	EA		100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	16,421.41	
23 05 13 00-0186	EA		100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	16,176.68	
23 05 13 00-0187	EA		100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	21,188.49	
23 05 13 00-0188	EA		125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	19,295.76	
23 05 13 00-0189	EA		125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	19,124.18	
23 05 13 00-0190	EA		125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	23,936.48	
23 05 13 00-0191	EA		150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	22,621.01	
23 05 13 00-0192	EA		150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	22,404.20	
23 05 13 00-0193	EA		150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	26,987.73	
23 05 13 00-0194	EA		200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	26,786.88	
23 05 13 00-0195	EA		200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	26,951.82	
23 05 13 00-0196	EA		200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	35,351.40	

23 05 13 00-0197

Premium Efficient, Explosion Proof Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

23 05 13 00-0198	EA		1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,417.89	
23 05 13 00-0199	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,468.43	
23 05 13 00-0200	EA		2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,601.44	
23 05 13 00-0201	EA		3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,979.19	
23 05 13 00-0202	EA		5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	2,194.66	
23 05 13 00-0203	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	3,024.65	
23 05 13 00-0204	EA		10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	3,087.16	
23 05 13 00-0205	EA		15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	4,179.17	
23 05 13 00-0206	EA		20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	4,764.42	
23 05 13 00-0207	EA		25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	6,259.45	
23 05 13 00-0208	EA		30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	7,025.59	
23 05 13 00-0209	EA		40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	9,187.00	
23 05 13 00-0210	EA		50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	10,346.85	
23 05 13 00-0211	EA		60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	14,474.15	
23 05 13 00-0212	EA		75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	16,992.03	
23 05 13 00-0213	EA		100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	20,699.02	
23 05 13 00-0214	EA		125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	27,054.23	
23 05 13 00-0215	EA		150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	30,868.96	

23 05 13 00-0216

Motor Mounting (23 05 13)

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 13 Common Motor Requirements for HVAC Equipment**

HUMBOLDT STATE UNIVERSITY

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 05 13 00-0217	EA	1/2 HP Motor Mounting .....	151.35	77.00
23 05 13 00-0218	EA	3/4 HP Motor Mounting .....	174.39	96.26
23 05 13 00-0219	EA	1 HP Motor Mounting .....	186.55	96.26
23 05 13 00-0220	EA	1-1/2 HP Motor Mounting .....	200.55	96.26
23 05 13 00-0221	EA	2 HP Motor Mounting .....	216.80	115.51
23 05 13 00-0222	EA	3 HP Motor Mounting .....	250.68	115.51
23 05 13 00-0223	EA	5 HP Motor Mounting .....	297.11	192.53
23 05 13 00-0224	EA	7-1/2 HP Motor Mounting .....	381.99	192.53
23 05 13 00-0225	EA	10 HP Motor Mounting .....	501.36	336.92
23 05 13 00-0226	EA	15 HP Motor Mounting .....	617.06	336.92
23 05 13 00-0227	EA	20 HP Motor Mounting .....	729.25	481.31
23 05 13 00-0228	EA	25 HP Motor Mounting .....	826.98	481.31
23 05 13 00-0229	EA	30 HP Motor Mounting .....	1,002.72	481.31
23 05 13 00-0230	EA	40 HP Motor Mounting .....	1,129.82	721.96
23 05 13 00-0231	EA	50 HP Motor Mounting .....	1,253.40	721.96
23 05 13 00-0232	EA	75 HP Motor Mounting .....	1,513.54	1,058.87
23 05 13 00-0233	EA	100 HP Motor Mounting .....	1,823.12	1,058.87
23 05 13 00-0234	EA	125 HP Motor Mounting .....	2,228.26	1,443.92
23 05 13 00-0235	EA	150 HP Motor Mounting .....	2,587.66	1,443.92
23 05 13 00-0236	EA	200 HP Motor Mounting .....	2,971.02	1,732.70

**23 05 16 Expansion Fittings and Loops for HVAC Piping (23 05)****23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints (23 05 16)**

Note: Includes internal sleeves and external covers.

**23 05 16 00-0002 Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)**

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0003	EA	1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	187.99	82.05
		<i>For 300 LB Rating, Add</i>	5.95	
23 05 16 00-0004	EA	3/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	211.03	92.53
		<i>For 300 LB Rating, Add</i>	6.52	
23 05 16 00-0005	EA	1" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	246.08	106.07
		<i>For 300 LB Rating, Add</i>	8.50	
23 05 16 00-0006	EA	1-1/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	277.33	118.39
		<i>For 300 LB Rating, Add</i>	10.20	
23 05 16 00-0007	EA	1-1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	299.81	127.25
		<i>For 300 LB Rating, Add</i>	11.33	
23 05 16 00-0008	EA	2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	346.98	149.74
		<i>For 300 LB Rating, Add</i>	11.90	

**23 05 16 00-0009 Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)**

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0010	EA	1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	647.46	82.04
		<i>For 300 LB Rating, Add</i>	136.39	
23 05 16 00-0011	EA	1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	704.59	98.46
		<i>For 300 LB Rating, Add</i>	145.30	
23 05 16 00-0012	EA	2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	737.60	124.99
		<i>For 300 LB Rating, Add</i>	145.33	
23 05 16 00-0013	EA	2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	794.87	135.97
		<i>For 300 LB Rating, Add</i>	156.10	
23 05 16 00-0014	EA	3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	874.22	159.41
		<i>For 300 LB Rating, Add</i>	168.68	
23 05 16 00-0015	EA	4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	1,062.68	267.24
		<i>For 300 LB Rating, Add</i>	181.95	
23 05 16 00-0016	EA	5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	1,443.52	287.16
		<i>For 300 LB Rating, Add</i>	271.28	
23 05 16 00-0017	EA	6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	1,329.58	319.07
		<i>For 300 LB Rating, Add</i>	232.33	
23 05 16 00-0018	EA	8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	1,711.02	407.70
		<i>For 300 LB Rating, Add</i>	301.14	
23 05 16 00-0019	EA	10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	2,178.58	496.33
		<i>For 300 LB Rating, Add</i>	389.55	
23 05 16 00-0020	EA	12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	2,866.43	375.96
		<i>For 300 LB Rating, Add</i>	528.38	
23 05 16 00-0021	EA	14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	3,655.97	709.04
		<i>For 300 LB Rating, Add</i>	692.42	
23 05 16 00-0022	EA	16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	4,739.95	779.94
		<i>For 300 LB Rating, Add</i>	941.26	

**23 05 16 00-0023 Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)**

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0024	EA	1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	663.14	112.52
		<i>For 300 LB Rating, Add</i>	109.54	
23 05 16 00-0025	EA	1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	693.76	113.45
		<i>For 300 LB Rating, Add</i>	116.71	
23 05 16 00-0026	EA	2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	701.57	117.21
		<i>For 300 LB Rating, Add</i>	116.73	
23 05 16 00-0027	EA	2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	757.42	127.80
		<i>For 300 LB Rating, Add</i>	125.38	
23 05 16 00-0028	EA	3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	843.96	150.31
		<i>For 300 LB Rating, Add</i>	135.76	
23 05 16 00-0029	EA	4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	1,182.57	299.31
		<i>For 300 LB Rating, Add</i>	146.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0030	EA		5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,470.41 217.89	300.19
23 05 16 00-0031	EA		6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,410.67 186.61	332.36
23 05 16 00-0032	EA		8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,725.95 241.88	379.78
23 05 16 00-0033	EA		10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	2,180.27 312.88	465.30
23 05 16 00-0034	EA		12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	2,825.57 424.39	564.03
23 05 16 00-0035	EA		14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	3,459.62 577.68	574.32
23 05 16 00-0036	EA		16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	4,577.26 765.29	717.89

**23 05 17 Sleeves and Sleeve Seals for HVAC Piping (23 05)**

**23 05 17 00-0001 Wall Seals And Sleeves (23 05 17)**  
Note: Up to 12" walls. Excludes drilling hole.

**23 05 17 00-0002 Ductile Iron Wall Sleeve (23 05 17 00-0001)**  
Note: Includes rubber gasket seal.

23 05 17 00-0003	EA		3" Ductile Iron Wall Sleeve With Rubber Gasket Seal .....	105.40	44.60
23 05 17 00-0004	EA		4" Ductile Iron Wall Sleeve With Rubber Gasket Seal .....	128.70	52.10
23 05 17 00-0005	EA		6" Ductile Iron Wall Sleeve With Rubber Gasket Seal .....	156.82	62.50
23 05 17 00-0006	EA		8" Ductile Iron Wall Sleeve With Rubber Gasket Seal .....	224.93	93.71
23 05 17 00-0007	EA		10" Ductile Iron Wall Sleeve With Rubber Gasket Seal .....	291.26	124.91
23 05 17 00-0008	EA		12" Ductile Iron Wall Sleeve With Rubber Gasket Seal .....	360.03	156.21

**23 05 17 00-0009 Steel Pipe Sleeves (23 05 17 00-0001)**  
Note: Includes link seals 12" length.

23 05 17 00-0010	EA		2" Steel Pipe Sleeve With Link Seals.....	120.26	45.27
23 05 17 00-0011	EA		2-1/2" Steel Pipe Sleeve With Link Seals.....	146.74	49.08
23 05 17 00-0012	EA		3" Steel Pipe Sleeve With Link Seals.....	172.08	52.89
23 05 17 00-0013	EA		4" Steel Pipe Sleeve With Link Seals.....	212.00	63.44
23 05 17 00-0014	EA		6" Steel Pipe Sleeve With Link Seals.....	303.79	79.23
23 05 17 00-0015	EA		10" Steel Pipe Sleeve With Link Seals.....	518.85	95.12
23 05 17 00-0016	EA		13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals.....	609.78	118.90
23 05 17 00-0017	EA		17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals.....	806.44	146.29
23 05 17 00-0018	EA		23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals.....	1,094.25	190.24
23 05 17 00-0019	EA		29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals.....	1,215.37	237.79

**23 05 19 Meters and Gages for HVAC Piping (23 05)**  
See CSI section 33 19 00 00-0000 for water utility service metering.

**23 05 19 00-0001 Thermometers (23 05 19)**

**23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers**

23 05 19 00-0003	EA		2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer.....	102.02	32.58
23 05 19 00-0004	EA		2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer .....	120.38	32.58
23 05 19 00-0005	EA		3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer .....	120.38	32.58

**23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers (23 05 19 00-0001)**

23 05 19 00-0007	EA		7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer .....	138.74	32.58
23 05 19 00-0008	EA		9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer .....	138.74	32.58
23 05 19 00-0009	EA		12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer .....	177.14	32.58
23 05 19 00-0010	EA		7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	143.75	32.58
23 05 19 00-0011	EA		9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	152.10	32.58
23 05 19 00-0012	EA		12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	182.15	32.58

**23 05 19 00-0013 Liquid Filled Industrial Separable Socket Type Thermometers (23 05 19 00-0001)**

23 05 19 00-0014	EA		7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	138.74	32.58
23 05 19 00-0015	EA		9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	138.74	32.58
23 05 19 00-0016	EA		12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	177.14	32.58
23 05 19 00-0017	EA		7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	160.45	32.58
23 05 19 00-0018	EA		9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	177.14	32.58
23 05 19 00-0019	EA		12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	181.40	32.58

**23 05 19 00-0020 1" NPT, 304 Stainless Steel Thermowells (23 05 19 00-0001)**

23 05 19 00-0021	EA		4" Long, 1" NPT, 304 Stainless Steel Thermowell .....	152.41	61.07
23 05 19 00-0022	EA		8" Long, 1" NPT, 304 Stainless Steel Thermowell .....	152.35	61.07

**23 05 19 00-0023 Pressure Gauges (23 05 19)**

**23 05 19 00-0024 Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)**

23 05 19 00-0025	EA		2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	36.13	12.72
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**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 19 Meters and Gages for HVAC Piping**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0026	EA		4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge .....	45.98	12.72
<b>23 05 19 00-0027</b>			<b>Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges</b> <small>(23 05 19 00-0023)</small>		
23 05 19 00-0028	EA		3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge .....	190.31	12.72
23 05 19 00-0029	EA		4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge .....	190.31	12.72
23 05 19 00-0030	EA		6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge .....	246.30	12.72
23 05 19 00-0031	EA		8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge .....	576.02	12.72
<b>23 05 19 00-0032</b>			<b>Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges</b> <small>(23 05 19 00-0023)</small>		
			Note: Liquid filled.		
23 05 19 00-0033	EA		2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge .....	106.42	12.72
23 05 19 00-0034	EA		4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge .....	235.91	12.72
<b>23 05 19 00-0035</b>			<b>Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges</b> <small>(23 05 19 00-0023)</small>		
23 05 19 00-0036	EA		4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge .....	324.28	12.72
23 05 19 00-0037	EA		6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge .....	324.28	12.72
23 05 19 00-0038	EA		8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge .....	324.28	12.72
<b>23 05 19 00-0039</b>			<b>Gauge Accessories</b> <small>(23 05 19 00-0023)</small>		
23 05 19 00-0040	EA		Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer) .....	75.06	10.18
23 05 19 00-0041	EA		1/4" Snubber Valve .....	47.21	10.18
23 05 19 00-0042	EA		1/4" Female Pipe Thread, Brass Gauge Cock .....	29.87	15.27
23 05 19 00-0043	EA		1/4" Male Pipe Thread, Brass Gauge Cock .....	25.98	15.27
23 05 19 00-0044	EA		1/4" Pressure Pigtail Steam Siphon .....	27.23	15.27
23 05 19 00-0045	EA		1/4" x 3" Long Black Steel Nipple .....	5.86	5.09
23 05 19 00-0046	EA		1/4" Steel Thread-O-Let .....	61.54	25.45
23 05 19 00-0047	EA		1/4", 300 LB, Black Steel Union .....	69.09	10.18
23 05 19 00-0048	EA		1/4" Black Steel Coupling .....	22.16	10.18
23 05 19 00-0049	EA		1/4", 300 LB, Black Steel Plug .....	12.62	6.11
23 05 19 00-0050	EA		1/4", 150 LB, Black Steel Cap .....	13.23	6.11
23 05 19 00-0051	LF		1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe .....	6.77	3.36
23 05 19 00-0052	LF		1/4" Schedule 80, Plain End, Black Steel Pipe .....	6.43	3.36
23 05 19 00-0053	LF		1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe .....	6.99	
23 05 19 00-0054	EA		1/4" Threaded, 800 LB, Forged Steel, Ball Valve .....	91.62	
<b>23 05 19 00-0055</b>			<b>Valve Lock Covers</b> <small>(23 05 19)</small>		
23 05 19 00-0056	EA		Valve Lock Cover .....	66.09	15.58
<b>23 05 19 00-0057</b>			<b>Sight Flow Indicator</b> <small>(23 05 19)</small>		
<b>23 05 19 00-0058</b>			<b>Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator</b> <small>(23 05 19 00-0057)</small>		
23 05 19 00-0059	EA		1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100) .....	125.10	14.82
23 05 19 00-0060	EA		3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100) .....	130.69	15.59
23 05 19 00-0061	EA		1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100) .....	141.24	16.38
23 05 19 00-0062	EA		3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100) .....	159.12	22.08
23 05 19 00-0063	EA		1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100) .....	190.29	26.76
23 05 19 00-0064	EA		1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100) .....	216.71	33.88
23 05 19 00-0065	EA		1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100) .....	304.80	39.17
23 05 19 00-0066	EA		2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100) .....	338.45	46.30
<b>23 05 19 00-0067</b>			<b>Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator</b> <small>(23 05 19 00-0057)</small>		
23 05 19 00-0068	EA		1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300) .....	161.51	14.82
23 05 19 00-0069	EA		3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300) .....	166.29	15.59
23 05 19 00-0070	EA		1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300) .....	179.27	16.38
23 05 19 00-0071	EA		3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300) .....	191.48	22.08
23 05 19 00-0072	EA		1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300) .....	204.04	26.76
23 05 19 00-0073	EA		1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300) .....	222.37	33.88
23 05 19 00-0074	EA		1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300) .....	414.83	39.17
23 05 19 00-0075	EA		2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300) .....	445.25	46.30

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0076		<b>Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator</b> <small>(23 05 19 00-0076)</small>		
23 05 19 00-0077	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	231.89	14.82
23 05 19 00-0078	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	244.77	15.59
23 05 19 00-0079	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	265.84	16.38
23 05 19 00-0080	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	290.18	22.08
23 05 19 00-0081	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	333.49	26.76
23 05 19 00-0082	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	354.24	33.88
23 05 19 00-0083	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	706.09	39.17
23 05 19 00-0084	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	744.59	46.30
23 05 19 00-0085		<b>Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators</b> <small>(23 05 19 00-0085)</small>		
23 05 19 00-0086	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	159.08	14.82
23 05 19 00-0087	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	165.48	15.59
23 05 19 00-0088	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	175.22	16.38
23 05 19 00-0089	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	190.67	22.08
23 05 19 00-0090	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	203.23	26.76
23 05 19 00-0091	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	222.37	33.88
23 05 19 00-0092	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	409.98	39.17
23 05 19 00-0093	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	438.77	46.30
23 05 19 00-0094		<b>Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators</b> <small>(23 05 19 00-0094)</small>		
23 05 19 00-0095	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	230.27	14.82
23 05 19 00-0096	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	248.01	15.59
23 05 19 00-0097	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	270.69	16.38
23 05 19 00-0098	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	290.18	22.08
23 05 19 00-0099	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	333.49	26.76
23 05 19 00-0100	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	357.48	33.88
23 05 19 00-0101	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	706.09	39.17
23 05 19 00-0102	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	744.59	46.30
23 05 19 00-0103		<b>Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators</b> <small>(23 05 19 00-0103)</small>		
23 05 19 00-0104	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400) .....	339.96	26.76
23 05 19 00-0105	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400) .....	383.37	33.88
23 05 19 00-0106	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400) .....	435.87	39.17
23 05 19 00-0107	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400) .....	490.55	46.30
23 05 19 00-0108		<b>Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators</b> <small>(23 05 19 00-0108)</small>		
23 05 19 00-0109	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) .....	750.78	106.84
23 05 19 00-0110	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) .....	841.50	135.64
23 05 19 00-0111	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) .....	1,232.13	159.31
23 05 19 00-0112	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) .....	1,864.19	267.07
23 05 19 00-0113	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) .....	2,992.68	318.92
23 05 19 00-0114		<b>Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators</b> <small>(23 05 19 00-0114)</small>		
23 05 19 00-0115	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	574.95	76.31
23 05 19 00-0116	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	678.55	89.03
23 05 19 00-0117	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	734.20	106.84
23 05 19 00-0118	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	920.38	135.64
23 05 19 00-0119	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	1,328.81	159.31
23 05 19 00-0120	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	1,968.98	267.07
23 05 19 00-0121		<b>Venturi Flowmeters</b> <small>(23 05 19)</small>		
23 05 19 00-0122		<b>Threaded, Brass, Venturi Flowmeters</b> <small>(23 05 19 00-0121)</small>		
23 05 19 00-0123	EA	3/4" Threaded, Brass, Venturi Flowmeter .....	247.89	69.22
		<i>For Portable Venturi Flow Meter, Add</i> .....	995.00	
23 05 19 00-0124	EA	1" Threaded, Brass, Venturi Flowmeter .....	274.59	83.06
		<i>For Portable Venturi Flow Meter, Add</i> .....	995.00	
23 05 19 00-0125	EA	1-1/4" Threaded, Brass, Venturi Flowmeter .....	302.94	92.33
		<i>For Portable Venturi Flow Meter, Add</i> .....	995.00	
23 05 19 00-0126	EA	1-1/2" Threaded, Brass, Venturi Flowmeter .....	341.41	103.84
		<i>For Portable Venturi Flow Meter, Add</i> .....	995.00	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 19 Meters and Gages for HVAC Piping**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0127	EA		2" Threaded, Brass, Venturi Flowmeter ..... <i>For Portable Venturi Flow Meter, Add</i>	405.83 995.00	118.70
23 05 19 00-0128	EA		2-1/2" Threaded, Brass, Venturi Flowmeter ..... <i>For Portable Venturi Flow Meter, Add</i>	553.81 995.00	161.73
<b>23 05 19 00-0129</b>			<b>Butt Weld, Carbon Steel, Venturi Flowmeters</b> (23 05 19 00-0121)		
23 05 19 00-0130	EA		3" Butt Weld, Carbon Steel, Venturi Flowmeter ..... <i>For Flanged Ends, Add</i> <i>For Portable Venturi Flow Meter, Add</i>	845.63 196.09 995.00	142.67
23 05 19 00-0131	EA		4" Butt Weld, Carbon Steel, Venturi Flowmeter ..... <i>For Flanged Ends, Add</i> <i>For Portable Venturi Flow Meter, Add</i>	1,145.48 281.07 995.00	171.21
23 05 19 00-0132	EA		5" Butt Weld, Carbon Steel, Venturi Flowmeter ..... <i>For Flanged Ends, Add</i> <i>For Portable Venturi Flow Meter, Add</i>	1,492.55 372.58 995.00	214.01
23 05 19 00-0133	EA		6" Butt Weld, Carbon Steel, Venturi Flowmeter ..... <i>For Flanged Ends, Add</i> <i>For Portable Venturi Flow Meter, Add</i>	1,803.30 431.41 995.00	285.36
23 05 19 00-0134	EA		8" Butt Weld, Carbon Steel, Venturi Flowmeter ..... <i>For Flanged Ends, Add</i> <i>For Portable Venturi Flow Meter, Add</i>	2,571.10 660.19 995.00	342.42
23 05 19 00-0135	EA		10" Butt Weld, Carbon Steel, Venturi Flowmeter ..... <i>For Flanged Ends, Add</i> <i>For Portable Venturi Flow Meter, Add</i>	4,086.97 1,130.82 995.00	428.03
23 05 19 00-0136	EA		12" Butt Weld, Carbon Steel, Venturi Flowmeter ..... <i>For Flanged Ends, Add</i> <i>For Portable Venturi Flow Meter, Add</i>	6,092.81 1,712.57 995.00	599.88
23 05 19 00-0137	EA		14" Butt Weld, Carbon Steel, Venturi Flowmeter ..... <i>For Flanged Ends, Add</i> <i>For Portable Venturi Flow Meter, Add</i>	8,597.62 2,379.29 995.00	899.81
23 05 19 00-0138	EA		16" Butt Weld, Carbon Steel, Venturi Flowmeter ..... <i>For Flanged Ends, Add</i> <i>For Portable Venturi Flow Meter, Add</i>	12,551.41 3,693.13 995.00	999.80
<b>23 05 19 00-0139</b>			<b>Turbine Flowmeter</b> (23 05 19)		
23 05 19 00-0140	EA		Saddle Mount Turbine Flowmeter .....	576.21	76.35
<b>23 05 19 00-0141</b>			<b>Water Flow Switches</b> (23 05 19)		
23 05 19 00-0142	EA		Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1).....	218.26	30.01
23 05 19 00-0143	EA		Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1).....	225.67	30.01
23 05 19 00-0144	EA		Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1).....	288.24	30.01
23 05 19 00-0145	EA		Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1).....	297.72	30.01
23 05 19 00-0146	EA		Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1).....	235.15	30.01
23 05 19 00-0147	EA		Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1).....	243.78	30.01
23 05 19 00-0148	EA		Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1).....	305.13	30.01
23 05 19 00-0149	EA		Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1).....	313.76	30.01
23 05 19 00-0150	EA		Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1).....	592.01	30.01
23 05 19 00-0151	EA		Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1).....	600.38	30.01
23 05 19 00-0152	EA		Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1).....	679.92	30.01
23 05 19 00-0153	EA		Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1).....	691.43	30.01
23 05 19 00-0154	EA		Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1).....	611.89	30.01
23 05 19 00-0155	EA		Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1).....	623.40	30.01
23 05 19 00-0156	EA		Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1).....	699.80	30.01
23 05 19 00-0157	EA		Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1).....	712.36	30.01
<b>23 05 23</b>			<b>General-Duty Valves For HVAC Piping</b> (23 05)		
			Note: Flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0669 for bolt and gasket sets.		
<b>23 05 23 00-0001</b>			<b>Gate Valves</b> (23 05 23)		
<b>23 05 23 00-0002</b>			<b>Class 125 Brazed Or Soldered Bronze Gate Valves</b> (23 05 23 00-0001)		
			Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)		
23 05 23 00-0003	EA		1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve ..... <i>For 150 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 200 LB Rating, Add</i>	73.23 4.36 8.89 6.54	10.18
23 05 23 00-0004	EA		3/8" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve ..... <i>For 150 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 200 LB Rating, Add</i>	74.78 4.36 9.35 6.54	10.18
23 05 23 00-0005	EA		1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve ..... <i>For 150 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 200 LB Rating, Add</i>	76.68 4.39 9.85 6.58	10.18
23 05 23 00-0006	EA		3/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve ..... <i>For 150 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 200 LB Rating, Add</i>	91.36 4.71 13.27 7.07	11.20
23 05 23 00-0007	EA		1" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve ..... <i>For 150 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 200 LB Rating, Add</i>	111.29 5.77 16.07 8.66	12.72



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0008	EA		1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve ..... For 150 LB Rating, Add For Work In Restricted Working Space, Add For 200 LB Rating, Add	162.10 9.43 20.35 14.14	13.54
23 05 23 00-0009	EA		1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve ..... For 150 LB Rating, Add For Work In Restricted Working Space, Add For 200 LB Rating, Add	180.71 10.24 23.48 15.37	15.67
23 05 23 00-0010	EA		2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve ..... For 150 LB Rating, Add For Work In Restricted Working Space, Add For 200 LB Rating, Add	216.61 12.41 27.75 18.62	18.51
23 05 23 00-0011	EA		2-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve ..... For Chain Operated Type, Add For 150 LB Rating, Add For Work In Restricted Working Space, Add For 200 LB Rating, Add	484.96 162.00 36.00 37.49 54.00	25.02
23 05 23 00-0012	EA		3" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve ..... For 150 LB Rating, Add For Work In Restricted Working Space, Add For 200 LB Rating, Add	568.99 42.48 43.25 63.72	29.05
<b>23 05 23 00-0013</b>			<b>Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves</b> (23 05 23 00-0001) Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF)		
23 05 23 00-0014	EA		1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve ..... For 150 LB Rating, Add For Work In Restricted Working Space, Add For 200 LB Rating, Add	87.75 5.81 8.89 8.72	10.18
23 05 23 00-0015	EA		3/8" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve ..... For 150 LB Rating, Add For Work In Restricted Working Space, Add For 200 LB Rating, Add	89.18 5.80 9.35 8.70	10.18
23 05 23 00-0016	EA		1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve ..... For 150 LB Rating, Add For Work In Restricted Working Space, Add For 200 LB Rating, Add	103.52 7.07 9.85 10.60	10.18
23 05 23 00-0017	EA		3/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve ..... For 150 LB Rating, Add For Work In Restricted Working Space, Add For 200 LB Rating, Add	118.20 7.40 13.27 11.10	11.20
23 05 23 00-0018	EA		1" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve ..... For 150 LB Rating, Add For Work In Restricted Working Space, Add For 200 LB Rating, Add	141.92 8.84 16.07 13.25	12.72
23 05 23 00-0019	EA		1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve ..... For 150 LB Rating, Add For Work In Restricted Working Space, Add For 200 LB Rating, Add	203.99 13.62 20.35 20.42	13.54
23 05 23 00-0020	EA		1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve ..... For 150 LB Rating, Add For Work In Restricted Working Space, Add For 200 LB Rating, Add	233.41 15.51 23.48 23.27	15.67
23 05 23 00-0021	EA		2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve ..... For 150 LB Rating, Add For Work In Restricted Working Space, Add For 200 LB Rating, Add	298.03 20.55 27.75 30.83	18.51
<b>23 05 23 00-0022</b>			<b>Class 125 Threaded, Bronze Gate Valves</b> (23 05 23 00-0001) Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0023	EA		1/4" Diameter, 125 LB, Threaded Bronze Gate Valve..... For 250 LB Rating, Add For 150 LB Rating, Add For 300 LB Rating, Add For Work In Restricted Working Space, Add For 200 LB Rating, Add	60.03 7.60 3.04 10.64 8.89 4.56	10.18
23 05 23 00-0024	EA		3/8" Diameter, 125 LB, Threaded Bronze Gate Valve..... For 250 LB Rating, Add For 150 LB Rating, Add For 300 LB Rating, Add For Work In Restricted Working Space, Add For 200 LB Rating, Add	61.58 7.60 3.04 10.64 9.35 4.56	10.18
23 05 23 00-0025	EA		1/2" Diameter, 125 LB, Threaded Bronze Gate Valve..... For 250 LB Rating, Add For 150 LB Rating, Add For 300 LB Rating, Add For Work In Restricted Working Space, Add For 200 LB Rating, Add	63.23 7.60 3.04 10.64 9.85 4.56	10.18
23 05 23 00-0026	EA		3/4" Diameter, 125 LB, Threaded Bronze Gate Valve..... For 250 LB Rating, Add For 150 LB Rating, Add For 300 LB Rating, Add For Work In Restricted Working Space, Add For 200 LB Rating, Add	80.51 9.07 3.63 12.70 13.27 5.44	11.20

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0027	EA		1" Diameter, 125 LB, Threaded Bronze Gate Valve.....	108.36	12.72
			<i>For 250 LB Rating, Add</i>	13.70	
			<i>For 150 LB Rating, Add</i>	5.48	
			<i>For 300 LB Rating, Add</i>	19.18	
			<i>For Work In Restricted Working Space, Add</i>	16.07	
			<i>For 200 LB Rating, Add</i>	8.22	
23 05 23 00-0028	EA		1-1/4" Diameter, 125 LB, Threaded Bronze Gate Valve.....	141.73	13.54
			<i>For 250 LB Rating, Add</i>	18.47	
			<i>For 150 LB Rating, Add</i>	7.39	
			<i>For 300 LB Rating, Add</i>	25.86	
			<i>For Work In Restricted Working Space, Add</i>	20.35	
			<i>For 200 LB Rating, Add</i>	11.08	
23 05 23 00-0029	EA		1-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve.....	171.38	15.67
			<i>For 250 LB Rating, Add</i>	23.28	
			<i>For 150 LB Rating, Add</i>	9.31	
			<i>For 300 LB Rating, Add</i>	32.59	
			<i>For Work In Restricted Working Space, Add</i>	23.48	
			<i>For 200 LB Rating, Add</i>	13.97	
23 05 23 00-0030	EA		2" Diameter, 125 LB, Threaded Bronze Gate Valve.....	219.71	18.51
			<i>For 250 LB Rating, Add</i>	31.80	
			<i>For 150 LB Rating, Add</i>	12.72	
			<i>For 300 LB Rating, Add</i>	44.52	
			<i>For Work In Restricted Working Space, Add</i>	27.75	
			<i>For 200 LB Rating, Add</i>	19.08	
23 05 23 00-0031	EA		2-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve.....	487.77	25.02
			<i>For 250 LB Rating, Add</i>	90.71	
			<i>For Chain Operated Type, Add</i>	163.27	
			<i>For 150 LB Rating, Add</i>	36.28	
			<i>For 300 LB Rating, Add</i>	126.99	
			<i>For Work In Restricted Working Space, Add</i>	37.49	
			<i>For 200 LB Rating, Add</i>	54.42	
23 05 23 00-0032	EA		3" Diameter, 125 LB, Threaded Bronze Gate Valve.....	577.87	29.05
			<i>For 250 LB Rating, Add</i>	108.43	
			<i>For Chain Operated Type, Add</i>	195.17	
			<i>For 150 LB Rating, Add</i>	43.37	
			<i>For 300 LB Rating, Add</i>	151.80	
			<i>For Work In Restricted Working Space, Add</i>	43.25	
			<i>For 200 LB Rating, Add</i>	65.06	
23 05 23 00-0033	EA		4" Diameter, 125 LB, Threaded Bronze Gate Valve.....	1,197.19	32.80
			<i>For 250 LB Rating, Add</i>	258.30	
			<i>For Chain Operated Type, Add</i>	464.94	
			<i>For 150 LB Rating, Add</i>	103.32	
			<i>For 300 LB Rating, Add</i>	361.62	
			<i>For Work In Restricted Working Space, Add</i>	49.20	
			<i>For 200 LB Rating, Add</i>	154.98	
23 05 23 00-0034			<b>200 PSI, Non Rising Stem, Crimped Bronze Gate Valves</b> <small>(23 05 23 00-0001)</small>		
			Note: 200 psi cold working pressure.		
23 05 23 00-0035	EA		1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	102.68	10.18
			<i>For Work In Restricted Working Space, Add</i>	6.87	
23 05 23 00-0036	EA		3/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	115.65	11.20
			<i>For Work In Restricted Working Space, Add</i>	7.82	
23 05 23 00-0037	EA		1" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	151.80	12.72
			<i>For Work In Restricted Working Space, Add</i>	9.35	
23 05 23 00-0038	EA		1-1/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	206.46	13.54
			<i>For Work In Restricted Working Space, Add</i>	10.30	
23 05 23 00-0039	EA		1-1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	239.24	15.67
			<i>For Work In Restricted Working Space, Add</i>	11.45	
23 05 23 00-0040	EA		2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	328.87	18.51
			<i>For Work In Restricted Working Space, Add</i>	13.74	
23 05 23 00-0041			<b>Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0001)</small>		
			Note: 125 psi steam, basic rating, 200 psi cold working pressure.		
23 05 23 00-0042	EA		1-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	257.85	15.67
			<i>For Chain Operated Type, Add</i>	62.85	
			<i>For 150 LB Rating, Add</i>	35.92	
			<i>For Work In Restricted Working Space, Add</i>	23.48	
			<i>For 250 LB Rating, Add</i>	62.85	
23 05 23 00-0043	EA		2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	395.94	18.51
			<i>For Chain Operated Type, Add</i>	106.20	
			<i>For 150 LB Rating, Add</i>	60.69	
			<i>For Work In Restricted Working Space, Add</i>	27.75	
			<i>For 250 LB Rating, Add</i>	106.20	
23 05 23 00-0044	EA		2-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	581.33	25.02
			<i>For Chain Operated Type, Add</i>	159.73	
			<i>For 150 LB Rating, Add</i>	91.28	
			<i>For Work In Restricted Working Space, Add</i>	37.49	
			<i>For 250 LB Rating, Add</i>	159.73	
23 05 23 00-0045	EA		3" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	742.96	29.05
			<i>For Chain Operated Type, Add</i>	209.58	
			<i>For 150 LB Rating, Add</i>	119.76	
			<i>For Work In Restricted Working Space, Add</i>	43.25	
			<i>For 250 LB Rating, Add</i>	209.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0046	EA		4" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	1,775.87	32.80
			<i>For Chain Operated Type, Add</i>	564.16	
			<i>For 150 LB Rating, Add</i>	322.38	
			<i>For Work In Restricted Working Space, Add</i>	49.20	
			<i>For 250 LB Rating, Add</i>	564.16	
<b>23 05 23 00-0047</b>			<b>Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0001)</small>		
			Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0048	EA		1-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	366.29	106.84
			<i>For 250 LB Rating, Add</i>	116.21	
			<i>For 150 LB Rating, Add</i>	67.40	
			<i>For Chain Operated Type, Add</i>	116.21	
			<i>For 300 LB Rating, ASTM A182, Add</i>	299.35	
			<i>For Work In Restricted Working Space, Add</i>	40.16	
23 05 23 00-0049	EA		2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	412.65	135.64
			<i>For 250 LB Rating, Add</i>	121.54	
			<i>For 150 LB Rating, Add</i>	70.49	
			<i>For Chain Operated Type, Add</i>	121.54	
			<i>For 300 LB Rating, ASTM A182, Add</i>	327.86	
			<i>For Work In Restricted Working Space, Add</i>	50.87	
23 05 23 00-0050	EA		2-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	462.02	135.88
			<i>For 250 LB Rating, Add</i>	145.82	
			<i>For 150 LB Rating, Add</i>	84.58	
			<i>For Chain Operated Type, Add</i>	145.82	
			<i>For 300 LB Rating, ASTM A182, Add</i>	376.83	
			<i>For Work In Restricted Working Space, Add</i>	51.11	
23 05 23 00-0051	EA		3" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	563.91	159.31
			<i>For 250 LB Rating, Add</i>	182.27	
			<i>For 150 LB Rating, Add</i>	105.71	
			<i>For Chain Operated Type, Add</i>	182.27	
			<i>For 300 LB Rating, ASTM A182, Add</i>	464.22	
			<i>For Work In Restricted Working Space, Add</i>	59.81	
23 05 23 00-0052	EA		4" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	820.74	267.07
			<i>For 250 LB Rating, Add</i>	243.03	
			<i>For 150 LB Rating, Add</i>	140.96	
			<i>For Chain Operated Type, Add</i>	243.03	
			<i>For 300 LB Rating, ASTM A182, Add</i>	653.40	
			<i>For Work In Restricted Working Space, Add</i>	100.40	
23 05 23 00-0053	EA		5" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	990.05	287.02
			<i>For 250 LB Rating, Add</i>	315.91	
			<i>For 150 LB Rating, Add</i>	183.23	
			<i>For Chain Operated Type, Add</i>	315.91	
			<i>For 300 LB Rating, ASTM A182, Add</i>	810.94	
			<i>For Work In Restricted Working Space, Add</i>	107.47	
23 05 23 00-0054	EA		6" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,177.62	318.92
			<i>For 250 LB Rating, Add</i>	388.77	
			<i>For 150 LB Rating, Add</i>	225.49	
			<i>For Chain Operated Type, Add</i>	388.77	
			<i>For 300 LB Rating, ASTM A182, Add</i>	977.58	
			<i>For Work In Restricted Working Space, Add</i>	120.02	
23 05 23 00-0055	EA		8" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,794.22	407.51
			<i>For 250 LB Rating, Add</i>	644.01	
			<i>For 150 LB Rating, Add</i>	373.52	
			<i>For Chain Operated Type, Add</i>	644.01	
			<i>For 300 LB Rating, ASTM A182, Add</i>	1,541.12	
			<i>For Work In Restricted Working Space, Add</i>	151.86	
23 05 23 00-0056	EA		10" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,321.13	496.10
			<i>For 250 LB Rating, Add</i>	850.51	
			<i>For 150 LB Rating, Add</i>	493.30	
			<i>For Chain Operated Type, Add</i>	850.51	
			<i>For 300 LB Rating, ASTM A182, Add</i>	2,011.08	
			<i>For Work In Restricted Working Space, Add</i>	186.03	
23 05 23 00-0057	EA		12" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	3,181.81	602.39
			<i>For 250 LB Rating, Add</i>	1,215.08	
			<i>For 150 LB Rating, Add</i>	704.75	
			<i>For Chain Operated Type, Add</i>	1,215.08	
			<i>For 300 LB Rating, ASTM A182, Add</i>	2,805.99	
			<i>For Work In Restricted Working Space, Add</i>	225.50	
<b>23 05 23 00-0058</b>			<b>Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0001)</small>		
			Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0059	EA		1-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	518.46	15.67
			<i>For 175 LB Rating, Add</i>	220.10	
			<i>For 250 LB Rating, Add</i>	330.14	
			<i>For Work In Restricted Working Space, Add</i>	23.48	
23 05 23 00-0060	EA		2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	661.55	18.51
			<i>For 175 LB Rating, Add</i>	284.53	
			<i>For 250 LB Rating, Add</i>	426.79	
			<i>For Work In Restricted Working Space, Add</i>	27.75	
23 05 23 00-0061	EA		2-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	766.63	25.02
			<i>For 175 LB Rating, Add</i>	320.84	
			<i>For 250 LB Rating, Add</i>	481.26	
			<i>For Work In Restricted Working Space, Add</i>	37.49	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

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MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 05 23 00-0062	EA 3" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	852.20	29.05
	For 175 LB Rating, Add	354.02	
	For 250 LB Rating, Add	531.02	
	For Work In Restricted Working Space, Add	43.25	
23 05 23 00-0063	EA 4" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	1,141.68	32.80
	For 175 LB Rating, Add	488.85	
	For 250 LB Rating, Add	733.27	
	For Work In Restricted Working Space, Add	49.20	
<b>23 05 23 00-0064</b>	<b>Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0001)</small>		
	Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".		
23 05 23 00-0065	EA 1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	468.92	106.84
	For 175 LB Rating, Add	103.86	
	For Chain Operated Type, Add	167.52	
	For 250 LB Rating, Add	217.78	
	For Work In Restricted Working Space, Add	40.16	
	For 150 LB Rating, Add	50.26	
23 05 23 00-0066	EA 2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	514.58	135.64
	For 175 LB Rating, Add	106.95	
	For Chain Operated Type, Add	172.50	
	For 250 LB Rating, Add	224.25	
	For Work In Restricted Working Space, Add	50.87	
	For 150 LB Rating, Add	51.75	
23 05 23 00-0067	EA 2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	526.64	135.88
	For 175 LB Rating, Add	110.44	
	For Chain Operated Type, Add	178.13	
	For 250 LB Rating, Add	231.57	
	For Work In Restricted Working Space, Add	51.11	
	For 150 LB Rating, Add	53.44	
23 05 23 00-0068	EA 3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	591.36	159.31
	For 175 LB Rating, Add	121.51	
	For Chain Operated Type, Add	195.99	
	For 250 LB Rating, Add	254.79	
	For Work In Restricted Working Space, Add	59.81	
	For 150 LB Rating, Add	58.80	
23 05 23 00-0069	EA 4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	810.05	267.07
	For 175 LB Rating, Add	147.36	
	For Chain Operated Type, Add	237.69	
	For 250 LB Rating, Add	308.99	
	For Work In Restricted Working Space, Add	100.40	
	For 150 LB Rating, Add	71.31	
23 05 23 00-0070	EA 5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,021.47	287.02
	For 175 LB Rating, Add	205.60	
	For Chain Operated Type, Add	331.62	
	For 250 LB Rating, Add	431.11	
	For Work In Restricted Working Space, Add	107.47	
	For 150 LB Rating, Add	99.49	
23 05 23 00-0071	EA 6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,157.52	318.92
	For 175 LB Rating, Add	234.81	
	For Chain Operated Type, Add	378.72	
	For 250 LB Rating, Add	492.34	
	For Work In Restricted Working Space, Add	120.02	
	For 150 LB Rating, Add	113.62	
23 05 23 00-0072	EA 8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,787.26	407.51
	For 175 LB Rating, Add	397.13	
	For Chain Operated Type, Add	640.53	
	For 250 LB Rating, Add	832.68	
	For Work In Restricted Working Space, Add	151.86	
	For 150 LB Rating, Add	192.16	
23 05 23 00-0073	EA 10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,591.64	496.10
	For 175 LB Rating, Add	611.17	
	For Chain Operated Type, Add	985.77	
	For 250 LB Rating, Add	1,281.49	
	For Work In Restricted Working Space, Add	186.03	
	For 150 LB Rating, Add	295.73	
23 05 23 00-0074	EA 12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	3,250.40	602.39
	For 175 LB Rating, Add	774.61	
	For Chain Operated Type, Add	1,249.38	
	For 250 LB Rating, Add	1,624.19	
	For Work In Restricted Working Space, Add	225.50	
	For 150 LB Rating, Add	374.81	
23 05 23 00-0075	EA 14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	6,401.90	858.68
	For 175 LB Rating, Add	1,651.85	
	For 250 LB Rating, Add	3,463.56	
	For Work In Restricted Working Space, Add	322.01	
	For 150 LB Rating, Add	799.28	
23 05 23 00-0076	EA 16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	8,268.19	944.55
	For 175 LB Rating, Add	2,197.13	
	For 250 LB Rating, Add	4,606.88	
	For Work In Restricted Working Space, Add	354.20	
	For 150 LB Rating, Add	1,063.13	
23 05 23 00-0077	EA 18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	11,232.13	1,047.59
	For 175 LB Rating, Add	3,076.02	
	For 250 LB Rating, Add	6,449.72	
	For Work In Restricted Working Space, Add	392.85	
	For 150 LB Rating, Add	1,488.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0078	EA		20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	14,231.58	1,180.68
			For 175 LB Rating, Add	3,954.27	
			For 250 LB Rating, Add	8,291.22	
			For Work In Restricted Working Space, Add	442.76	
			For 150 LB Rating, Add	1,913.36	
23 05 23 00-0079	EA		24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	19,408.08	1,449.03
			For 175 LB Rating, Add	5,455.01	
			For 250 LB Rating, Add	11,437.92	
			For Work In Restricted Working Space, Add	543.38	
			For 150 LB Rating, Add	2,639.52	
23 05 23 00-0080	EA		30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	40,344.92	2,361.37
			For 175 LB Rating, Add	11,591.89	
			For 250 LB Rating, Add	24,305.58	
			For Work In Restricted Working Space, Add	885.52	
			For 150 LB Rating, Add	5,608.98	
23 05 23 00-0081	EA		36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	51,446.98	3,148.50
			For 175 LB Rating, Add	14,728.52	
			For 250 LB Rating, Add	30,882.38	
			For Work In Restricted Working Space, Add	1,180.69	
			For 150 LB Rating, Add	7,126.70	
<b>23 05 23 00-0082</b>			<b>Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves (23 05 23 00-0001)</b>		
			Note: 800 psig at 850 degrees F.		
23 05 23 00-0083	EA		1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	155.79	10.18
			For Work In Restricted Working Space, Add	8.89	
23 05 23 00-0084	EA		1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	158.99	10.18
			For Work In Restricted Working Space, Add	9.85	
23 05 23 00-0085	EA		3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	187.31	11.20
			For Work In Restricted Working Space, Add	13.27	
23 05 23 00-0086	EA		1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	227.41	12.72
			For Work In Restricted Working Space, Add	16.07	
23 05 23 00-0087	EA		1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	348.34	13.54
			For Work In Restricted Working Space, Add	20.35	
23 05 23 00-0088	EA		1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	412.12	15.67
			For Work In Restricted Working Space, Add	23.48	
23 05 23 00-0089	EA		2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	518.66	18.51
			For Work In Restricted Working Space, Add	27.75	
<b>23 05 23 00-0090</b>			<b>Ball Valves (23 05 23)</b>		
<b>23 05 23 00-0091</b>			<b>Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0090)</b>		
			Note: 125 LB WSP.		
23 05 23 00-0092	EA		1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	43.64	10.18
			For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
			For Work In Restricted Working Space, Add	9.85	
			For Full Port, Add	4.86	
23 05 23 00-0093	EA		3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	60.85	11.20
			For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
			For Work In Restricted Working Space, Add	13.27	
			For Full Port, Add	7.48	
23 05 23 00-0094	EA		1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	75.99	12.72
			For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
			For Work In Restricted Working Space, Add	16.07	
			For Full Port, Add	10.09	
23 05 23 00-0095	EA		1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	105.51	13.54
			For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
			For Work In Restricted Working Space, Add	20.35	
			For Full Port, Add	16.95	
23 05 23 00-0096	EA		1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	126.38	15.67
			For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
			For Work In Restricted Working Space, Add	23.48	
			For Full Port, Add	21.65	
23 05 23 00-0097	EA		2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	152.77	18.51
			For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
			For Work In Restricted Working Space, Add	27.75	
			For Full Port, Add	27.12	
23 05 23 00-0098	EA		2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	409.37	25.02
			For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
			For Work In Restricted Working Space, Add	37.49	
			For Full Port, Add	127.99	
23 05 23 00-0099	EA		3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	472.34	29.05
			For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
			For Work In Restricted Working Space, Add	43.25	
			For Full Port, Add	147.68	
23 05 23 00-0100	EA		4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	611.39	32.80
			For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
			For Work In Restricted Working Space, Add	49.20	
			For Full Port, Add	201.33	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 05 23 00-0101	Screwed, 150 LB, Full Port, Carbon Steel Ball Valves <small>(23 05 23 00-0090)</small>		
23 05 23 00-0102	EA 1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	50.31	10.18
	<i>For Work In Restricted Working Space, Add</i>	8.89	
23 05 23 00-0103	EA 1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	55.28	10.18
	<i>For Work In Restricted Working Space, Add</i>	9.85	
23 05 23 00-0104	EA 3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	76.70	11.20
	<i>For Work In Restricted Working Space, Add</i>	13.27	
23 05 23 00-0105	EA 1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	97.22	12.72
	<i>For Work In Restricted Working Space, Add</i>	16.07	
23 05 23 00-0106	EA 1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	142.47	13.54
	<i>For Work In Restricted Working Space, Add</i>	20.35	
23 05 23 00-0107	EA 1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	172.81	15.67
	<i>For Work In Restricted Working Space, Add</i>	23.48	
23 05 23 00-0108	EA 2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	222.67	18.51
	<i>For Work In Restricted Working Space, Add</i>	27.75	
23 05 23 00-0109	Flanged, 150 LB, Full Port, Carbon Steel Ball Valves <small>(23 05 23 00-0090)</small>		
23 05 23 00-0110	EA 4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	1,219.10	267.07
	<i>For Work In Restricted Working Space, Add</i>	100.40	
23 05 23 00-0111	EA 6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	2,028.44	318.92
	<i>For Work In Restricted Working Space, Add</i>	120.02	
23 05 23 00-0112	EA 8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	4,339.02	407.51
	<i>For Work In Restricted Working Space, Add</i>	151.86	
23 05 23 00-0113	Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves <small>(23 05 23 00-0090)</small>		
23 05 23 00-0114	EA 1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	37.74	10.18
	<i>For Work In Restricted Working Space, Add</i>	9.85	
	<i>For True Union Socket Or Thread Type, Add</i>	3.69	
23 05 23 00-0115	EA 3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	49.88	11.20
	<i>For Work In Restricted Working Space, Add</i>	13.27	
	<i>For True Union Socket Or Thread Type, Add</i>	4.58	
23 05 23 00-0116	EA 1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	61.44	12.72
	<i>For Work In Restricted Working Space, Add</i>	16.07	
	<i>For True Union Socket Or Thread Type, Add</i>	5.96	
23 05 23 00-0117	EA 1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	78.18	13.54
	<i>For Work In Restricted Working Space, Add</i>	20.35	
	<i>For True Union Socket Or Thread Type, Add</i>	7.70	
23 05 23 00-0118	EA 1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	96.27	15.67
	<i>For Work In Restricted Working Space, Add</i>	23.48	
	<i>For True Union Socket Or Thread Type, Add</i>	11.31	
23 05 23 00-0119	EA 2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	115.44	18.51
	<i>For Work In Restricted Working Space, Add</i>	27.75	
	<i>For True Union Socket Or Thread Type, Add</i>	14.03	
23 05 23 00-0120	EA 2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	174.31	25.02
	<i>For Work In Restricted Working Space, Add</i>	37.49	
	<i>For True Union Socket Or Thread Type, Add</i>	26.30	
23 05 23 00-0121	EA 3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	228.09	29.05
	<i>For Work In Restricted Working Space, Add</i>	43.25	
	<i>For True Union Socket Or Thread Type, Add</i>	41.14	
23 05 23 00-0122	EA 4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	324.45	32.80
	<i>For Work In Restricted Working Space, Add</i>	49.20	
	<i>For True Union Socket Or Thread Type, Add</i>	72.79	
23 05 23 00-0123	Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves <small>(23 05 23 00-0090)</small>		
23 05 23 00-0124	EA 1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	76.95	15.26
	<i>For Work In Restricted Working Space, Add</i>	13.34	
	<i>For Full Port, Add</i>	14.63	
23 05 23 00-0125	EA 3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	79.28	15.26
	<i>For Work In Restricted Working Space, Add</i>	14.03	
	<i>For Full Port, Add</i>	14.63	
23 05 23 00-0126	EA 1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	81.73	15.26
	<i>For Work In Restricted Working Space, Add</i>	14.77	
	<i>For Full Port, Add</i>	14.63	
23 05 23 00-0127	EA 3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	100.82	16.79
	<i>For Work In Restricted Working Space, Add</i>	19.91	
	<i>For Full Port, Add</i>	15.51	
23 05 23 00-0128	EA 1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	131.38	19.08
	<i>For Work In Restricted Working Space, Add</i>	24.10	
	<i>For Full Port, Add</i>	22.97	
23 05 23 00-0129	EA 1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	171.62	20.30
	<i>For Work In Restricted Working Space, Add</i>	30.53	
	<i>For Full Port, Add</i>	31.44	
23 05 23 00-0130	EA 1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	210.30	23.50
	<i>For Work In Restricted Working Space, Add</i>	35.22	
	<i>For Full Port, Add</i>	41.81	
23 05 23 00-0131	EA 2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	289.94	27.78
	<i>For Work In Restricted Working Space, Add</i>	41.62	
	<i>For Full Port, Add</i>	68.04	
23 05 23 00-0132	EA 2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	554.34	37.53
	<i>For Work In Restricted Working Space, Add</i>	56.23	
	<i>For Full Port, Add</i>	165.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0133	EA		3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	798.90 64.88 262.19	43.57
23 05 23 00-0134			<b>Plastic Ball Valves</b> (23 05 23 00-0090) Note: Threaded or socket.		
23 05 23 00-0135			<b>Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valves</b> (23 05 23 00-0134)		
23 05 23 00-0136	EA		3/8" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	66.81	10.18
23 05 23 00-0137	EA		1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	69.77	10.18
23 05 23 00-0138	EA		3/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	88.09	11.20
23 05 23 00-0139	EA		1" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	114.88	12.72
23 05 23 00-0140	EA		1-1/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	136.25	13.54
23 05 23 00-0141	EA		1-1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	165.46	15.67
23 05 23 00-0142	EA		2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	201.82	18.51
23 05 23 00-0143			<b>Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valves</b> (23 05 23 00-0134)		
23 05 23 00-0144	EA		3/8" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....	101.64	10.18
23 05 23 00-0145	EA		1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....	103.02	10.18
23 05 23 00-0146	EA		3/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....	129.25	11.20
23 05 23 00-0147	EA		1" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....	159.65	12.72
23 05 23 00-0148	EA		1-1/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....	242.01	13.54
23 05 23 00-0149	EA		1-1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....	268.28	15.67
23 05 23 00-0150	EA		2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....	322.09	18.51
23 05 23 00-0151			<b>Viton Liner And Seals, Polypropylene (PP) Ball Valves</b> (23 05 23 00-0134)		
23 05 23 00-0152	EA		3/8" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	113.52	10.18
23 05 23 00-0153	EA		1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	122.81	10.18
23 05 23 00-0154	EA		3/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	140.34	11.20
23 05 23 00-0155	EA		1" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	172.32	12.72
23 05 23 00-0156	EA		1-1/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....	216.68	13.54
23 05 23 00-0157	EA		1-1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....	260.36	15.67
23 05 23 00-0158	EA		2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	337.93	18.51
23 05 23 00-0159			<b>Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valves</b> (23 05 23 00-0134)		
23 05 23 00-0160	EA		3/8" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	230.69	10.18
23 05 23 00-0161	EA		1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	246.32	10.18
23 05 23 00-0162	EA		3/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	292.34	11.20
23 05 23 00-0163	EA		1" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	341.74	12.72
23 05 23 00-0164	EA		1-1/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	416.19	13.54
23 05 23 00-0165	EA		1-1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	458.29	15.67
23 05 23 00-0166	EA		2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	527.94	18.51
23 05 23 00-0167			<b>Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valves</b> (23 05 23 00-0134)		
23 05 23 00-0168	EA		1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact).....	44.67	10.18
23 05 23 00-0169	EA		3/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact).....	59.82	11.20
23 05 23 00-0170	EA		1" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact).....	72.56	12.72
23 05 23 00-0171	EA		1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact).....	101.41	13.54
23 05 23 00-0172	EA		1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact).....	111.84	15.67
23 05 23 00-0173	EA		2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact).....	136.76	18.51
23 05 23 00-0174			<b>Plastic, True Union, Ball Valves</b> (23 05 23 00-0090)		
23 05 23 00-0175			<b>Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valves</b> (23 05 23 00-0174) Note: Socket or NPT connectors.		
23 05 23 00-0176	EA		3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343).....	110.35	10.18
23 05 23 00-0177	EA		1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343).....	114.90	10.18
23 05 23 00-0178	EA		3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343).....	138.75	11.20

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0179	EA		1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343).....	170.73	12.72
23 05 23 00-0180	EA		1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343).....	205.60	13.54
23 05 23 00-0181	EA		1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343).....	236.61	15.67
23 05 23 00-0182	EA		2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343).....	290.42	18.51
<b>23 05 23 00-0183</b>			<b>Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valves</b> <small>(23 05 23 00-0174)</small>		
			Note: Socket or NPT connectors.		
23 05 23 00-0184	EA		3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343).....	111.93	10.18
23 05 23 00-0185	EA		1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343).....	130.73	10.18
23 05 23 00-0186	EA		3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343).....	140.34	11.20
23 05 23 00-0187	EA		1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343).....	170.73	12.72
23 05 23 00-0188	EA		1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343).....	202.43	13.54
23 05 23 00-0189	EA		1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343).....	235.03	15.67
23 05 23 00-0190	EA		2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343).....	290.42	18.51
<b>23 05 23 00-0191</b>			<b>Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valves</b> <small>(23 05 23 00-0174)</small>		
			Note: Socket or NPT connectors.		
23 05 23 00-0192	EA		1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560).....	59.48	10.18
23 05 23 00-0193	EA		3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560).....	76.21	11.20
23 05 23 00-0194	EA		1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560).....	91.56	12.72
23 05 23 00-0195	EA		1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560).....	120.88	13.54
23 05 23 00-0196	EA		1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560).....	141.61	15.67
23 05 23 00-0197	EA		2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560).....	195.42	18.51
23 05 23 00-0198	EA		2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560).....	273.79	25.02
23 05 23 00-0199	EA		3" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560).....	346.85	29.05
23 05 23 00-0200	EA		4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560).....	496.50	32.80
<b>23 05 23 00-0201</b>			<b>Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valves</b> <small>(23 05 23 00-0174)</small>		
			Note: Socket or NPT connectors.		
23 05 23 00-0202	EA		1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	70.56	10.18
23 05 23 00-0203	EA		3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	92.04	11.20
23 05 23 00-0204	EA		1" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	113.73	12.72
23 05 23 00-0205	EA		1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	159.68	13.54
23 05 23 00-0206	EA		1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	174.86	15.67
23 05 23 00-0207	EA		2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	225.51	18.51
23 05 23 00-0208	EA		2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	394.13	25.02
23 05 23 00-0209	EA		3" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	460.85	29.05
23 05 23 00-0210	EA		4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	718.18	32.80
<b>23 05 23 00-0211</b>			<b>Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves</b> <small>(23 05 23 00-0174)</small>		
<b>23 05 23 00-0212</b>			<b>Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves</b> <small>(23 05 23 00-0211)</small>		
23 05 23 00-0213	EA		1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	57.74	10.18
23 05 23 00-0214	EA		3/8" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	59.29	10.18
23 05 23 00-0215	EA		1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	60.67	10.18
23 05 23 00-0216	EA		3/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	77.16	11.20
23 05 23 00-0217	EA		1" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	94.47	12.72
23 05 23 00-0218	EA		1-1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	115.50	13.54
23 05 23 00-0219	EA		1-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	139.13	15.67



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0220	EA		2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	178.00	18.51
23 05 23 00-0221	EA		2-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	336.33	25.02
23 05 23 00-0222	EA		3" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	373.76	29.05
23 05 23 00-0223	EA		4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	521.05	32.80
<b>23 05 23 00-0224</b>			<b>Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0211)</b>		
23 05 23 00-0225	EA		1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	57.74	10.18
23 05 23 00-0226	EA		3/8" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	59.29	10.18
23 05 23 00-0227	EA		1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	60.67	10.18
23 05 23 00-0228	EA		3/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	77.16	11.20
23 05 23 00-0229	EA		1" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	94.47	12.72
23 05 23 00-0230	EA		1-1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	115.50	13.54
23 05 23 00-0231	EA		1-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	139.13	15.67
23 05 23 00-0232	EA		2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	178.00	18.51
23 05 23 00-0233	EA		2-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	336.33	25.02
23 05 23 00-0234	EA		3" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	373.76	29.05
23 05 23 00-0235	EA		4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	521.05	32.80
<b>23 05 23 00-0236</b>			<b>Crimped Bronze, Ball Valves (23 05 23 00-0090)</b>		
<b>23 05 23 00-0237</b>			<b>Crimped Bronze, 250 PSI, Ball Valves (23 05 23 00-0236)</b> Note: Nibco®		
23 05 23 00-0238	EA		1/2" Crimped Bronze, 250 PSI, Ball Valve.....	71.09	10.18
			<i>For Work In Restricted Working Space, Add</i>	6.87	
23 05 23 00-0239	EA		3/4" Crimped Bronze, 250 PSI, Ball Valve.....	91.73	11.20
			<i>For Work In Restricted Working Space, Add</i>	7.82	
23 05 23 00-0240	EA		1" Crimped Bronze, 250 PSI, Ball Valve.....	117.59	12.72
			<i>For Work In Restricted Working Space, Add</i>	9.35	
23 05 23 00-0241	EA		1-1/4" Crimped Bronze, 250 PSI, Ball Valve.....	188.93	13.54
			<i>For Work In Restricted Working Space, Add</i>	10.30	
23 05 23 00-0242	EA		1-1/2" Crimped Bronze, 250 PSI, Ball Valve.....	249.25	15.67
			<i>For Work In Restricted Working Space, Add</i>	11.45	
23 05 23 00-0243	EA		2" Crimped Bronze, 250 PSI, Ball Valve.....	374.88	18.51
			<i>For Work In Restricted Working Space, Add</i>	13.74	
<b>23 05 23 00-0244</b>			<b>Crimped Bronze, 200 PSI, Full Port Ball Valves (23 05 23 00-0236)</b>		
23 05 23 00-0245	EA		1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	51.21	10.18
23 05 23 00-0246	EA		3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	65.86	11.20
23 05 23 00-0247	EA		1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	80.14	12.72
23 05 23 00-0248	EA		1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	113.93	13.54
23 05 23 00-0249	EA		1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	148.36	15.67
23 05 23 00-0250	EA		2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	221.80	18.51
<b>23 05 23 00-0251</b>			<b>Crimped Bronze, 250 PSI, Full Port Ball Valves (23 05 23 00-0236)</b>		
23 05 23 00-0252	EA		1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	59.63	10.18
23 05 23 00-0253	EA		3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	71.99	11.20
23 05 23 00-0254	EA		1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	89.93	12.72
23 05 23 00-0255	EA		1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	144.54	13.54
23 05 23 00-0256	EA		1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	214.17	15.67
23 05 23 00-0257	EA		2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	298.33	18.51
<b>23 05 23 00-0258</b>			<b>Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves (23 05 23 00-0236)</b>		
23 05 23 00-0259	EA		1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	57.34	10.18
23 05 23 00-0260	EA		3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	69.84	11.20
23 05 23 00-0261	EA		1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	85.03	12.72
<b>23 05 23 00-0262</b>			<b>Globe Valves (23 05 23)</b>		
<b>23 05 23 00-0263</b>			<b>Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves (23 05 23 00-0262)</b>		
23 05 23 00-0264	EA		1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	67.44	10.18
			<i>For 250 LB Rating, Add</i>	15.57	
			<i>For Work In Restricted Working Space, Add</i>	9.85	
			<i>For 300 LB Rating, Add</i>	19.04	
			<i>For 200 LB Rating, Add</i>	13.15	
			<i>For 150 LB Rating, Add</i>	10.73	
23 05 23 00-0265	EA		1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	64.24	10.18
			<i>For 250 LB Rating, Add</i>	15.57	
			<i>For Work In Restricted Working Space, Add</i>	8.89	
			<i>For 300 LB Rating, Add</i>	19.04	
			<i>For 200 LB Rating, Add</i>	13.15	
			<i>For 150 LB Rating, Add</i>	10.73	
23 05 23 00-0266	EA		3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	82.84	10.18
			<i>For 250 LB Rating, Add</i>	23.25	
			<i>For Work In Restricted Working Space, Add</i>	9.35	
			<i>For 300 LB Rating, Add</i>	28.41	
			<i>For 200 LB Rating, Add</i>	19.63	
			<i>For 150 LB Rating, Add</i>	16.01	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0267	EA		1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve .....84.49	84.49	10.18
			<i>For 250 LB Rating, Add</i>	23.25	
			<i>For Work In Restricted Working Space, Add</i>	9.85	
			<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	69.96	
			<i>For 300 LB Rating, Add</i>	28.41	
			<i>For 200 LB Rating, Add</i>	19.63	
			<i>For 150 LB Rating, Add</i>	16.01	
23 05 23 00-0268	EA		3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve .....100.23	100.23	10.68
			<i>For 250 LB Rating, Add</i>	25.20	
			<i>For Work In Restricted Working Space, Add</i>	13.27	
			<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	79.29	
			<i>For 300 LB Rating, Add</i>	30.80	
			<i>For 200 LB Rating, Add</i>	21.28	
			<i>For 150 LB Rating, Add</i>	17.36	
23 05 23 00-0269	EA		1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve .....129.25	129.25	10.68
			<i>For 250 LB Rating, Add</i>	34.06	
			<i>For Work In Restricted Working Space, Add</i>	16.07	
			<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	104.68	
			<i>For 300 LB Rating, Add</i>	41.63	
			<i>For 200 LB Rating, Add</i>	28.76	
			<i>For 150 LB Rating, Add</i>	23.46	
23 05 23 00-0270	EA		1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve .....198.56	198.56	13.54
			<i>For 250 LB Rating, Add</i>	58.82	
			<i>For Work In Restricted Working Space, Add</i>	20.35	
			<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	170.93	
			<i>For 300 LB Rating, Add</i>	71.90	
			<i>For 200 LB Rating, Add</i>	49.67	
			<i>For 150 LB Rating, Add</i>	40.52	
23 05 23 00-0271	EA		1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve .....265.09	265.09	15.67
			<i>For 250 LB Rating, Add</i>	84.07	
			<i>For Work In Restricted Working Space, Add</i>	23.48	
			<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	236.81	
			<i>For 300 LB Rating, Add</i>	102.75	
			<i>For 200 LB Rating, Add</i>	70.99	
			<i>For 150 LB Rating, Add</i>	57.91	
23 05 23 00-0272	EA		2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve .....312.12	312.12	18.51
			<i>For 250 LB Rating, Add</i>	98.83	
			<i>For Work In Restricted Working Space, Add</i>	27.75	
			<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	278.58	
			<i>For 300 LB Rating, Add</i>	120.79	
			<i>For 200 LB Rating, Add</i>	83.46	
			<i>For 150 LB Rating, Add</i>	68.08	
23 05 23 00-0273	EA		2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve .....346.37	346.37	25.02
			<i>For 250 LB Rating, Add</i>	99.64	
			<i>For Work In Restricted Working Space, Add</i>	37.49	
			<i>For 300 LB Rating, Add</i>	121.78	
			<i>For 200 LB Rating, Add</i>	84.14	
			<i>For 150 LB Rating, Add</i>	68.64	
23 05 23 00-0274	EA		3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB .....640.24	640.24	29.05
			<i>For 250 LB Rating, Add</i>	223.23	
			<i>For Work In Restricted Working Space, Add</i>	43.25	
			<i>For 300 LB Rating, Add</i>	272.84	
			<i>For 200 LB Rating, Add</i>	188.51	
			<i>For 150 LB Rating, Add</i>	153.78	
<b>23 05 23 00-0275</b>			<b>Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves <small>(23 05 23 00-0262)</small></b>		
23 05 23 00-0276	EA		2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....478.36	478.36	18.51
			<i>For Chain Operated Type, Add</i>	322.19	
			<i>For 250 LB Rating, Add</i>	173.64	
			<i>For Work In Restricted Working Space, Add</i>	27.75	
			<i>For 300 LB Rating, Add</i>	212.22	
			<i>For 200 LB Rating, Add</i>	146.63	
			<i>For 150 LB Rating, Add</i>	119.62	
23 05 23 00-0277	EA		2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....592.65	592.65	25.02
			<i>For Chain Operated Type, Add</i>	390.53	
			<i>For 250 LB Rating, Add</i>	210.47	
			<i>For Work In Restricted Working Space, Add</i>	37.49	
			<i>For 300 LB Rating, Add</i>	257.24	
			<i>For 200 LB Rating, Add</i>	177.73	
			<i>For 150 LB Rating, Add</i>	144.99	
23 05 23 00-0278	EA		3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....705.42	705.42	29.05
			<i>For Chain Operated Type, Add</i>	468.64	
			<i>For 250 LB Rating, Add</i>	252.56	
			<i>For Work In Restricted Working Space, Add</i>	43.25	
			<i>For 300 LB Rating, Add</i>	308.69	
			<i>For 200 LB Rating, Add</i>	213.28	
			<i>For 150 LB Rating, Add</i>	173.99	
23 05 23 00-0279	EA		4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....912.28	912.28	32.80
			<i>For Chain Operated Type, Add</i>	624.86	
			<i>For 250 LB Rating, Add</i>	336.75	
			<i>For Work In Restricted Working Space, Add</i>	49.19	
			<i>For 300 LB Rating, Add</i>	411.58	
			<i>For 200 LB Rating, Add</i>	284.37	
			<i>For 150 LB Rating, Add</i>	231.98	
<b>23 05 23 00-0280</b>			<b>Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves <small>(23 05 23 00-0262)</small></b>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0281	EA		2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	368.69	135.64
			For 150 LB Rating, Add	61.72	
			For Work In Restricted Working Space, Add	50.87	
			For 250 LB Rating, Add	89.60	
			For Chain Operated Type, Add	99.56	
23 05 23 00-0282	EA		2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	413.11	135.88
			For 150 LB Rating, Add	75.25	
			For Work In Restricted Working Space, Add	51.11	
			For 250 LB Rating, Add	109.23	
			For Chain Operated Type, Add	121.37	
23 05 23 00-0283	EA		3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	490.66	159.31
			For 150 LB Rating, Add	90.30	
			For Work In Restricted Working Space, Add	59.81	
			For 250 LB Rating, Add	131.08	
			For Chain Operated Type, Add	145.64	
23 05 23 00-0284	EA		4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	723.05	267.07
			For 150 LB Rating, Add	120.39	
			For Work In Restricted Working Space, Add	100.40	
			For 250 LB Rating, Add	174.77	
			For Chain Operated Type, Add	194.19	
23 05 23 00-0285	EA		5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	898.30	287.02
			For 150 LB Rating, Add	167.42	
			For Work In Restricted Working Space, Add	107.47	
			For 250 LB Rating, Add	243.03	
			For Chain Operated Type, Add	270.04	
23 05 23 00-0286	EA		6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	1,082.76	318.92
			For 150 LB Rating, Add	211.63	
			For Work In Restricted Working Space, Add	120.02	
			For 250 LB Rating, Add	307.21	
			For Chain Operated Type, Add	341.34	
23 05 23 00-0287	EA		8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	1,556.02	407.51
			For 150 LB Rating, Add	325.44	
			For Work In Restricted Working Space, Add	151.86	
			For 250 LB Rating, Add	472.41	
			For Chain Operated Type, Add	524.91	
23 05 23 00-0288	EA		10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	2,219.09	496.10
			For 150 LB Rating, Add	495.68	
			For Work In Restricted Working Space, Add	186.03	
			For 250 LB Rating, Add	719.54	
			For Chain Operated Type, Add	799.49	
23 05 23 00-0289	EA		12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	3,777.36	602.39
			For 150 LB Rating, Add	937.97	
			For Work In Restricted Working Space, Add	225.50	
			For 250 LB Rating, Add	1,361.57	
			For Chain Operated Type, Add	1,512.86	
<b>23 05 23 00-0290</b>			<b>Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves (23 05 23 00-0262)</b>		
23 05 23 00-0291	EA		1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	59.05	10.18
			For 150 LB Rating, Add	8.13	
			For 200 LB Rating, Add	9.96	
			For Work In Restricted Working Space, Add	9.85	
			For 300 LB Rating, Add	14.42	
23 05 23 00-0292	EA		1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	55.85	10.18
			For 150 LB Rating, Add	8.13	
			For 200 LB Rating, Add	9.96	
			For Work In Restricted Working Space, Add	8.89	
			For 300 LB Rating, Add	14.42	
23 05 23 00-0293	EA		3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	57.40	10.18
			For 150 LB Rating, Add	8.13	
			For 200 LB Rating, Add	9.96	
			For Work In Restricted Working Space, Add	9.35	
			For 300 LB Rating, Add	14.42	
23 05 23 00-0294	EA		1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	60.79	10.18
			For 150 LB Rating, Add	8.67	
			For 200 LB Rating, Add	10.62	
			For Work In Restricted Working Space, Add	9.85	
			For 300 LB Rating, Add	15.38	
23 05 23 00-0295	EA		3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	83.01	10.68
			For 150 LB Rating, Add	12.02	
			For 200 LB Rating, Add	14.74	
			For Work In Restricted Working Space, Add	13.27	
			For 300 LB Rating, Add	21.33	
23 05 23 00-0296	EA		1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	104.44	10.68
			For 150 LB Rating, Add	15.77	
			For 200 LB Rating, Add	19.33	
			For Work In Restricted Working Space, Add	16.07	
			For 300 LB Rating, Add	27.98	
23 05 23 00-0297	EA		1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	143.43	13.54
			For 150 LB Rating, Add	23.43	
			For 200 LB Rating, Add	28.72	
			For Work In Restricted Working Space, Add	20.35	
			For 300 LB Rating, Add	41.57	
23 05 23 00-0298	EA		1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	166.40	15.67
			For 150 LB Rating, Add	27.32	
			For 200 LB Rating, Add	33.49	
			For Work In Restricted Working Space, Add	23.48	
			For 300 LB Rating, Add	48.47	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0299	EA		2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	225.24	18.51
			For 150 LB Rating, Add	41.15	
			For 200 LB Rating, Add	50.44	
			For Work In Restricted Working Space, Add	27.75	
			For 300 LB Rating, Add	73.01	
23 05 23 00-0300	EA		2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	375.11	27.17
			For 150 LB Rating, Add	74.23	
			For 200 LB Rating, Add	90.99	
			For Work In Restricted Working Space, Add	40.70	
			For 300 LB Rating, Add	131.69	
23 05 23 00-0301	EA		3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	562.04	31.55
			For 150 LB Rating, Add	125.71	
			For 200 LB Rating, Add	154.09	
			For Work In Restricted Working Space, Add	46.96	
			For 300 LB Rating, Add	223.03	
<b>23 05 23 00-0302</b>			<b>Flanged, 125 LB, Iron Body, Angle Globe Valves (23 05 23 00-0262)</b>		
23 05 23 00-0303	EA		2" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	681.87	135.64
			For 250 LB Rating, Add	307.37	
			For Work In Restricted Working Space, Add	50.87	
			For Chain Operated Type, Add	199.79	
23 05 23 00-0304	EA		2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	776.25	135.88
			For 250 LB Rating, Add	363.52	
			For Work In Restricted Working Space, Add	51.11	
			For Chain Operated Type, Add	236.29	
23 05 23 00-0305	EA		3" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	913.35	159.31
			For 250 LB Rating, Add	428.38	
			For Work In Restricted Working Space, Add	59.81	
			For Chain Operated Type, Add	278.45	
23 05 23 00-0306	EA		4" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	1,354.43	267.07
			For 250 LB Rating, Add	611.85	
			For Work In Restricted Working Space, Add	100.40	
			For Chain Operated Type, Add	397.70	
23 05 23 00-0307	EA		5" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	2,185.81	287.02
			For 250 LB Rating, Add	1,096.55	
			For Work In Restricted Working Space, Add	107.47	
			For Chain Operated Type, Add	712.76	
23 05 23 00-0308	EA		6" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	2,227.66	318.92
			For 250 LB Rating, Add	1,096.55	
			For Work In Restricted Working Space, Add	120.02	
			For Chain Operated Type, Add	712.76	
23 05 23 00-0309	EA		8" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	4,083.15	407.51
			For 250 LB Rating, Add	2,146.16	
			For Work In Restricted Working Space, Add	151.86	
			For Chain Operated Type, Add	1,395.01	
<b>23 05 23 00-0310</b>			<b>Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves (23 05 23 00-0262)</b>		
			Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0311	EA		1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve .....	197.32	16.49
			For Work In Restricted Working Space, Add	8.89	
23 05 23 00-0312	EA		1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve .....	200.52	16.49
			For Work In Restricted Working Space, Add	9.85	
23 05 23 00-0313	EA		3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve .....	235.00	22.18
			For Work In Restricted Working Space, Add	13.27	
23 05 23 00-0314	EA		1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve .....	290.49	26.76
			For Work In Restricted Working Space, Add	16.07	
23 05 23 00-0315	EA		1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve .....	474.00	33.88
			For Work In Restricted Working Space, Add	20.35	
23 05 23 00-0316	EA		1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve .....	569.05	39.17
			For Work In Restricted Working Space, Add	23.48	
23 05 23 00-0317	EA		2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve .....	724.82	46.30
			For Work In Restricted Working Space, Add	27.75	
<b>23 05 23 00-0318</b>			<b>Triple Duty Valves (23 05 23)</b>		
			Note: Valves function as a shut-off, check valve and calibrated balancing valve.		
<b>23 05 23 00-0319</b>			<b>Straight Pattern, Triple Duty Valves (23 05 23 00-0318)</b>		
			Note: Bell & Gossett 3DX and 3DS-S Series.		
23 05 23 00-0320	EA		1" Threaded, Straight Pattern, Triple Duty Valve .....	249.99	10.68
23 05 23 00-0321	EA		1-1/4" Threaded, Straight Pattern, Triple Duty Valve .....	290.19	13.54
23 05 23 00-0322	EA		1-1/2" Threaded, Straight Pattern, Triple Duty Valve .....	315.49	15.67
23 05 23 00-0323	EA		2" Flanged, Straight Pattern, Triple Duty Valve .....	814.58	135.64
23 05 23 00-0324	EA		2-1/2" Flanged, Straight Pattern, Triple Duty Valve .....	915.47	135.88
23 05 23 00-0325	EA		3" Flanged, Straight Pattern, Triple Duty Valve .....	1,003.78	159.31
23 05 23 00-0326	EA		4" Flanged, Straight Pattern, Triple Duty Valve .....	2,047.28	267.07
23 05 23 00-0327	EA		5" Flanged, Straight Pattern Triple Duty Valve .....	2,378.50	287.02
23 05 23 00-0328	EA		6" Flanged, Straight Pattern, Triple Duty Valve .....	3,158.03	318.92
23 05 23 00-0329	EA		8" Flanged, Straight Pattern, Triple Duty Valve .....	4,250.20	407.51
23 05 23 00-0330	EA		10" Flanged, Straight Pattern, Triple Duty Valve .....	6,803.25	496.10
<b>23 05 23 00-0331</b>			<b>Flanged, Angle Pattern, Triple Duty Valves (23 05 23 00-0318)</b>		
			Note: Bell & Gossett 3D-S Series.		
23 05 23 00-0332	EA		2" Flanged, Angle Pattern, Triple Duty Valve .....	796.05	135.64

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0333	EA		2-1/2" Flanged, Angle Pattern, Triple Duty Valve.....	893.23	135.88
23 05 23 00-0334	EA		3" Flanged, Angle Pattern, Triple Duty Valve.....	985.25	159.31
23 05 23 00-0335	EA		4" Flanged, Angle Pattern, Triple Duty Valve.....	1,999.09	267.07
23 05 23 00-0336	EA		5" Flanged, Angle Pattern, Triple Duty Valve.....	2,319.19	287.02
23 05 23 00-0337	EA		6" Flanged, Angle Pattern, Triple Duty Valve.....	2,601.99	318.92
23 05 23 00-0338	EA		8" Flanged, Angle Pattern, Triple Duty Valve.....	3,987.01	407.51
23 05 23 00-0339	EA		10" Flanged, Angle Pattern, Triple Duty Valve.....	5,324.19	496.10
<b>23 05 23 00-0340</b>			<b>Balanced, Straight Pattern, Triple Duty Valves</b> (23 05 23 00-0318)		
			Note: Bell & Gossett 3DS-B Series.		
23 05 23 00-0341	EA		3" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	922.23	159.31
23 05 23 00-0342	EA		4" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	1,832.28	267.07
23 05 23 00-0343	EA		5" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	2,130.14	287.02
23 05 23 00-0344	EA		6" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	2,820.70	318.92
23 05 23 00-0345	EA		8" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	3,790.54	407.51
23 05 23 00-0346	EA		10" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	6,035.92	496.10
23 05 23 00-0347	EA		12" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	9,070.17	602.39
23 05 23 00-0348	EA		14" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	11,021.98	708.70
23 05 23 00-0349	EA		16" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	13,797.45	779.58
<b>23 05 23 00-0350</b>			<b>Grooved Straight Pattern, Triple Duty Valves</b> (23 05 23 00-0319)		
			Note: Bell & Gossett 3DS-G Series.		
23 05 23 00-0351	EA		2" Grooved, Straight Pattern, Triple Duty Valve.....	852.66	25.14
23 05 23 00-0352	EA		2-1/2" Grooved, Straight Pattern, Triple Duty Valve.....	1,016.47	29.99
23 05 23 00-0353	EA		3" Grooved, Straight Pattern, Triple Duty Valve.....	1,183.05	32.52
23 05 23 00-0354	EA		4" Grooved, Straight Pattern, Triple Duty Valve.....	1,982.00	35.05
23 05 23 00-0355	EA		5" Grooved, Straight Pattern, Triple Duty Valve.....	2,272.95	45.18
23 05 23 00-0356	EA		6" Grooved, Straight Pattern Triple Duty Valve.....	3,030.10	57.94
23 05 23 00-0357	EA		8" Grooved, Straight Pattern Triple Duty Valve.....	4,120.74	73.53
23 05 23 00-0358	EA		10" Grooved, Straight Pattern Triple Duty Valve.....	6,499.93	82.39
23 05 23 00-0359	EA		12" Grooved, Straight Pattern Triple Duty Valve.....	10,317.60	100.46
<b>23 05 23 00-0360</b>			<b>Plug Valves</b> (23 05 23)		
<b>23 05 23 00-0361</b>			<b>Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated</b> (23 05 23 00-0360)		
			Note: Includes wrench.		
23 05 23 00-0362	EA		1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	278.11	10.18
23 05 23 00-0363	EA		3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	289.51	11.20
23 05 23 00-0364	EA		1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	366.42	12.72
23 05 23 00-0365	EA		1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	438.27	13.54
23 05 23 00-0366	EA		1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	481.24	15.67
23 05 23 00-0367	EA		2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	568.05	18.51
23 05 23 00-0368	EA		2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	853.29	25.02
23 05 23 00-0369	EA		3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	1,045.21	29.05
<b>23 05 23 00-0370</b>			<b>Plug Valves, Lubricated, Semisteel Flanged</b> (23 05 23 00-0360)		
			Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0371	EA		2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	382.21	135.64
23 05 23 00-0372	EA		2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	450.46	135.88
23 05 23 00-0373	EA		3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	551.32	159.31
23 05 23 00-0374	EA		4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	811.26	267.07
23 05 23 00-0375	EA		6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	1,671.45	318.92
23 05 23 00-0376	EA		8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	2,796.73	407.51
23 05 23 00-0377	EA		10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	4,437.15	496.10
23 05 23 00-0378	EA		12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	6,545.40	602.39
<b>23 05 23 00-0379</b>			<b>Plug Valves, Forged Steel, Screwed</b> (23 05 23 00-0360)		
23 05 23 00-0380	EA		1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,082.00	10.18
23 05 23 00-0381	EA		3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,277.74	11.20
23 05 23 00-0382	EA		1" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,444.11	12.72
23 05 23 00-0383	EA		1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,732.25	13.54
23 05 23 00-0384	EA		1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,017.30	15.67
23 05 23 00-0385	EA		2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,655.11	18.51
<b>23 05 23 00-0386</b>			<b>Plug Valves, Eccentric, Cast Iron Flanged</b> (23 05 23 00-0360)		
23 05 23 00-0387	EA		4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	878.15	267.07
23 05 23 00-0388	EA		6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,331.99	318.92
23 05 23 00-0389	EA		8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,805.19	407.51
23 05 23 00-0390	EA		10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	2,542.74	496.10
23 05 23 00-0391	EA		12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	3,274.75	602.39
<b>23 05 23 00-0392</b>			<b>Foot Valves</b> (23 05 23)		
<b>23 05 23 00-0393</b>			<b>Single Poppet Foot Valves, Metal To Metal Seat Construction</b> (23 05 23 00-0392)		
23 05 23 00-0394	EA		1" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	87.19	25.45
23 05 23 00-0395	EA		1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	99.32	28.50
23 05 23 00-0396	EA		1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	128.33	32.58
23 05 23 00-0397	EA		2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	170.10	36.64

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0398	EA		2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction .....	393.11	60.05
23 05 23 00-0399	EA		3" Single Poppet Foot Valve, Metal To Metal Seat Construction .....	503.51	73.29
<b>23 05 23 00-0400</b>			<b>Double Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0392)</b>		
23 05 23 00-0401	EA		1" Double Poppet Foot Valve, Metal To Metal Seat Construction .....	87.19	25.45
23 05 23 00-0402	EA		1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction .....	192.58	28.50
23 05 23 00-0403	EA		1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction .....	182.13	32.58
23 05 23 00-0404	EA		2" Double Poppet Foot Valve, Metal To Metal Seat Construction .....	248.98	36.64
23 05 23 00-0405	EA		3" Double Poppet Foot Valve, Metal To Metal Seat Construction .....	490.90	60.05
23 05 23 00-0406	EA		4" Double Poppet Foot Valve, Metal To Metal Seat Construction .....	669.44	72.28
<b>23 05 23 00-0407</b>			<b>Float Valves (23 05 23)</b>		
<b>23 05 23 00-0408</b>			<b>Float Valve Assembly For Maintaining Liquid Level In Tanks (23 05 23 00-0407)</b>		
<b>23 05 23 00-0409</b>			<b>Single Seat, Bronze Construction (23 05 23 00-0408)</b>		
			Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0410	EA		Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve .....	211.34	21.37
23 05 23 00-0411	EA		Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve .....	242.04	25.44
23 05 23 00-0412	EA		Inlet Size 1", Maximum PSI 100, Single Seat Float Valve .....	315.43	27.47
23 05 23 00-0413	EA		Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve .....	528.83	34.60
23 05 23 00-0414	EA		Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve .....	539.01	39.68
<b>23 05 23 00-0415</b>			<b>Double Seat, Bronze Construction (23 05 23 00-0408)</b>		
			Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0416	EA		Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve .....	1,155.30	21.37
23 05 23 00-0417	EA		Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve .....	1,163.45	25.44
23 05 23 00-0418	EA		Pipe Size 1" Maximum PSI 150, Double Seat Float Valve .....	1,343.50	27.47
23 05 23 00-0419	EA		Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve .....	1,484.17	34.60
23 05 23 00-0420	EA		Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve .....	1,696.64	39.68
23 05 23 00-0421	EA		Pipe Size 2" Maximum PSI 150, Double Seat Float Valve .....	2,226.71	46.80
23 05 23 00-0422	EA		Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve .....	2,587.47	62.78
23 05 23 00-0423	EA		Pipe Size 3" Maximum PSI 150, Double Seat Float Valve .....	3,112.86	72.16
<b>23 05 23 00-0424</b>			<b>Float Valve Single Seated Balanced For Air Oil Or Water (23 05 23 00-0407)</b>		
			Note: Includes arm, ball and bracket.		
<b>23 05 23 00-0425</b>			<b>Brass Body Threaded Ends (23 05 23 00-0424)</b>		
23 05 23 00-0426	EA		1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket .....	219.61	27.57
23 05 23 00-0427	EA		3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket .....	248.43	30.63
23 05 23 00-0428	EA		1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket .....	308.84	33.88
23 05 23 00-0429	EA		1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket .....	493.50	54.75
23 05 23 00-0430	EA		1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket .....	515.47	62.38
23 05 23 00-0431	EA		2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket .....	578.43	77.33
<b>23 05 23 00-0432</b>			<b>Cast Iron Body Flanged (23 05 23 00-0424)</b>		
23 05 23 00-0433	EA		2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket .....	7,280.21	135.88
23 05 23 00-0434	EA		3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket .....	8,803.63	159.31
<b>23 05 23 00-0435</b>			<b>Float Operated Valves (23 05 23 00-0407)</b>		
<b>23 05 23 00-0436</b>			<b>For Condensate Receivers Tanks And Vessels (23 05 23 00-0435)</b>		
			Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0437	EA		1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket .....	803.38	47.82
<b>23 05 23 00-0438</b>			<b>For Condensate Receivers Tanks And Vessels (23 05 23 00-0435)</b>		
			Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0439	EA		3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket .....	1,005.34	89.02
<b>23 05 23 00-0440</b>			<b>Needle Valves (23 05 23)</b>		
<b>23 05 23 00-0441</b>			<b>Bronze Needle Valve (23 05 23 00-0440)</b>		
			Note: For heating and cooling applications.		
23 05 23 00-0442	EA		1/4" Needle Valve, Bronze .....	109.33	10.18
23 05 23 00-0443	EA		3/8" Needle Valve, Bronze .....	122.11	10.18
23 05 23 00-0444	EA		1/2" Needle Valve, Bronze .....	133.72	10.18
23 05 23 00-0445	EA		3/4" Needle Valve, Bronze .....	203.58	11.20
23 05 23 00-0446	EA		1" Needle Valve, Bronze .....	313.50	12.72
<b>23 05 23 00-0447</b>			<b>Eccentric Valves With Taps (23 05 23)</b>		
<b>23 05 23 00-0448</b>			<b>Screwed Eccentric Valves With Taps (23 05 23 00-0447)</b>		
23 05 23 00-0449	EA		1/2" Diameter Eccentric Valves With Taps, Screwed .....	153.63	10.18
23 05 23 00-0450	EA		3/4" Diameter Eccentric Valves With Taps, Screwed .....	166.88	11.20
23 05 23 00-0451	EA		1" Diameter Eccentric Valves With Taps, Screwed .....	209.67	12.72
23 05 23 00-0452	EA		1-1/4" Diameter Eccentric Valves With Taps, Screwed .....	255.54	13.54
23 05 23 00-0453	EA		1-1/2" Diameter Eccentric Valves With Taps, Screwed .....	280.84	15.67
23 05 23 00-0454	EA		2" Diameter Eccentric Valves With Taps, Screwed .....	330.38	18.51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0455	EA		2-1/2" Diameter Eccentric Valves With Taps, Screwed.....	492.91	25.02
23 05 23 00-0456	EA		3" Diameter Eccentric Valves With Taps, Screwed.....	595.76	29.05
<b>23 05 23 00-0457</b>			<b>Flanged Eccentric Valves With Taps (23 05 23 00-0447)</b>		
23 05 23 00-0458	EA		2-1/2" Diameter Eccentric Valves With Taps, Flanged.....	607.10	135.88
23 05 23 00-0459	EA		3" Diameter Eccentric Valves With Taps, Flanged.....	719.73	159.31
23 05 23 00-0460	EA		4" Diameter Eccentric Valves With Taps, Flanged.....	994.41	267.07
23 05 23 00-0461	EA		5" Diameter Eccentric Valves With Taps, Flanged.....	1,287.43	287.02
23 05 23 00-0462	EA		6" Diameter Eccentric Valves With Taps, Flanged.....	1,608.04	318.92
23 05 23 00-0463	EA		8" Diameter Eccentric Valves With Taps, Flanged.....	2,689.83	407.51
23 05 23 00-0464	EA		10" Diameter Eccentric Valves With Taps, Flanged.....	3,732.93	496.10
23 05 23 00-0465	EA		12" Diameter Eccentric Valves With Taps, Flanged.....	6,280.39	602.39
<b>23 05 23 00-0466</b>			<b>Earthquake-Sensitive Gas Shut-Off Valve (23 05 23)</b>		
<b>23 05 23 00-0467</b>			<b>0.5 PSI Threaded Earthquake Gas Shutoff Valves (23 05 23 00-0466)</b>		
23 05 23 00-0468	EA		3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve.....	155.28	11.20
23 05 23 00-0469	EA		1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve.....	175.82	12.72
<b>23 05 23 00-0470</b>			<b>7 PSI Threaded Earthquake Gas Shutoff Valves (23 05 23 00-0466)</b>		
23 05 23 00-0471	EA		1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve.....	205.38	13.54
23 05 23 00-0472	EA		1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve.....	276.94	15.67
<b>23 05 23 00-0473</b>			<b>60 PSI Threaded Earthquake Gas Shutoff Valves (23 05 23 00-0466)</b>		
23 05 23 00-0474	EA		3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	191.96	11.20
23 05 23 00-0475	EA		1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	201.29	12.72
23 05 23 00-0476	EA		1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	225.75	13.54
23 05 23 00-0477	EA		1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	307.50	15.67
23 05 23 00-0478	EA		2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	703.78	18.51
23 05 23 00-0479	EA		2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	837.65	24.92
23 05 23 00-0480	EA		3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	1,086.56	29.05
23 05 23 00-0481	EA		4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	1,259.21	32.80
<b>23 05 23 00-0482</b>			<b>60 PSI Flanged Earthquake Gas Shutoff Valves (23 05 23 00-0466)</b>		
23 05 23 00-0483	EA		2" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	984.62	135.64
23 05 23 00-0484	EA		3" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,213.09	159.31
23 05 23 00-0485	EA		4" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,710.06	267.07
23 05 23 00-0486	EA		6" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	2,794.26	318.92
23 05 23 00-0487	EA		8" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	7,535.93	407.51
<b>23 05 23 00-0488</b>			<b>Emergency Shut-Off Valve With Fusible Link (23 05 23)</b>		
<b>23 05 23 00-0489</b>			<b>Threaded, Fusible Brass Gate Valves (Morrison Bros. 939) (23 05 23 00-0488)</b>		
Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.					
23 05 23 00-0490	EA		1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	64.92	16.38
For Work In Restricted Working Space, Add				8.89	
23 05 23 00-0491	EA		3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	66.51	17.29
For Work In Restricted Working Space, Add				9.37	
23 05 23 00-0492	EA		1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	105.46	16.38
For Work In Restricted Working Space, Add				9.85	
23 05 23 00-0493	EA		3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	205.49	22.08
For Work In Restricted Working Space, Add				13.27	
23 05 23 00-0494	EA		1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	510.76	26.76
For Work In Restricted Working Space, Add				16.07	
<b>23 05 23 00-0495</b>			<b>Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) (23 05 23 00-0488)</b>		
Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.					
23 05 23 00-0496	EA		1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	394.07	15.67
23 05 23 00-0497	EA		2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	426.11	18.51
23 05 23 00-0498	EA		3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	714.34	29.05
<b>23 05 23 00-0499</b>			<b>Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) (23 05 23 00-0488)</b>		
Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.					
23 05 23 00-0500	EA		2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	586.42	135.64
23 05 23 00-0501	EA		3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	946.42	159.31
23 05 23 00-0502	EA		4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	2,150.98	267.07
<b>23 05 23 00-0503</b>			<b>Check Valves (23 05 23)</b>		
<b>23 05 23 00-0504</b>			<b>Iron Body Wafer Type Check Valve (23 05 23 00-0503)</b>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0505			<b>Single Disk Type</b> <small>(23 05 23 00-0504)</small>		
23 05 23 00-0506	EA		2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	440.28	135.70
			For 200 LB Rating, Add	67.66	
			For 150 LB Rating, Add	56.83	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	155.71	
			For 300 LB Rating, Add	81.19	
23 05 23 00-0507	EA		2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	525.04	135.97
			For 200 LB Rating, Add	88.64	
			For 150 LB Rating, Add	74.46	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	193.65	
			For 300 LB Rating, Add	106.37	
23 05 23 00-0508	EA		3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	647.66	159.41
			For 200 LB Rating, Add	112.04	
			For 150 LB Rating, Add	94.11	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	241.57	
			For 300 LB Rating, Add	134.45	
23 05 23 00-0509	EA		4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	941.89	267.24
			For 200 LB Rating, Add	151.75	
			For 150 LB Rating, Add	127.47	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	340.13	
			For 300 LB Rating, Add	182.10	
23 05 23 00-0510	EA		6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	1,419.61	375.08
			For 200 LB Rating, Add	237.70	
			For 150 LB Rating, Add	199.66	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	521.62	
			For 300 LB Rating, Add	285.23	
23 05 23 00-0511	EA		8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	1,996.30	431.33
			For 200 LB Rating, Add	364.77	
			For 150 LB Rating, Add	306.41	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	764.03	
			For 300 LB Rating, Add	437.72	
23 05 23 00-0512	EA		10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	2,991.62	525.10
			For 200 LB Rating, Add	582.61	
			For 150 LB Rating, Add	489.39	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,180.93	
			For 300 LB Rating, Add	699.13	
23 05 23 00-0513			<b>Twin Disc Type</b> <small>(23 05 23 00-0504)</small>		
23 05 23 00-0514	EA		2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	538.68	135.70
			For 200 LB Rating, Add	92.26	
			For 150 LB Rating, Add	77.49	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	199.99	
			For 300 LB Rating, Add	110.71	
23 05 23 00-0515	EA		2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	613.35	135.97
			For 200 LB Rating, Add	110.72	
			For 150 LB Rating, Add	93.00	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	233.39	
			For 300 LB Rating, Add	132.86	
23 05 23 00-0516	EA		3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	716.22	159.41
			For 200 LB Rating, Add	129.18	
			For 150 LB Rating, Add	108.51	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	272.42	
			For 300 LB Rating, Add	155.02	
23 05 23 00-0517	EA		4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	991.09	267.24
			For 200 LB Rating, Add	164.05	
			For 150 LB Rating, Add	137.80	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	362.27	
			For 300 LB Rating, Add	196.86	
23 05 23 00-0518	EA		6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,526.98	375.08
			For 200 LB Rating, Add	264.54	
			For 150 LB Rating, Add	222.21	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	569.93	
			For 300 LB Rating, Add	317.45	
23 05 23 00-0519	EA		8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	2,151.78	431.33
			For 200 LB Rating, Add	403.99	
			For 150 LB Rating, Add	339.35	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	834.35	
			For 300 LB Rating, Add	484.79	
23 05 23 00-0520	EA		10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	3,215.84	515.72
			For 200 LB Rating, Add	639.80	
			For 150 LB Rating, Add	537.43	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,282.97	
			For 300 LB Rating, Add	767.76	
23 05 23 00-0521	EA		12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	4,223.43	637.62
			For 200 LB Rating, Add	857.20	
			For 150 LB Rating, Add	720.05	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,701.88	
			For 300 LB Rating, Add	1,028.64	
23 05 23 00-0522	EA		14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	7,972.61	750.23
			For 200 LB Rating, Add	1,743.08	
			For 150 LB Rating, Add	1,464.18	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	3,337.60	
			For 300 LB Rating, Add	2,091.69	
23 05 23 00-0523	EA		16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	10,943.61	880.28
			For 200 LB Rating, Add	2,460.82	
			For 150 LB Rating, Add	2,067.09	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	4,649.54	
			For 300 LB Rating, Add	2,952.98	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0524	EA		18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB ..... <i>For 200 LB Rating, Add</i> <i>For 150 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i> <i>For 300 LB Rating, Add</i>	14,587.24 3,341.16 2,806.57 6,258.61 4,009.39	980.31
23 05 23 00-0525	EA		20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB ..... <i>For 200 LB Rating, Add</i> <i>For 150 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i> <i>For 300 LB Rating, Add</i>	17,357.88 3,995.61 3,356.31 7,467.19 4,794.74	1,100.34
23 05 23 00-0526	EA		24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB ..... <i>For 200 LB Rating, Add</i> <i>For 150 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i> <i>For 300 LB Rating, Add</i>	22,693.24 5,250.10 4,410.08 9,788.75 6,300.12	1,350.42
<b>23 05 23 00-0527</b>			<b>Lift Check Valves (23 05 23 00-0503)</b>		
<b>23 05 23 00-0528</b>			<b>Bronze Body, Threaded, Vertical Lift Check Valves (23 05 23 00-0527)</b> Note: Watts #600 series.		
23 05 23 00-0529	EA		3/8" Lift Check Valve, Bronze, Threaded .....	112.42	10.18
23 05 23 00-0530	EA		1/2" Lift Check Valve, Bronze, Threaded .....	118.98	10.18
23 05 23 00-0531	EA		3/4" Lift Check Valve, Bronze, Threaded .....	151.53	10.68
23 05 23 00-0532	EA		1" Lift Check Valve, Bronze, Threaded .....	200.00	10.68
23 05 23 00-0533	EA		1-1/4" Lift Check Valve, Bronze, Threaded .....	277.74	13.54
23 05 23 00-0534	EA		1-1/2" Lift Check Valve, Bronze, Threaded .....	338.17	15.67
23 05 23 00-0535	EA		2" Lift Check Valve, Bronze, Threaded .....	483.27	18.51
<b>23 05 23 00-0536</b>			<b>Bronze Body, Threaded, 300 LB, Lift Check Valves (23 05 23 00-0527)</b> Note: Crane 366E.		
23 05 23 00-0537	EA		1/2" Lift Check Valve, Bronze, Threaded, 300 LB .....	707.61	10.18
23 05 23 00-0538	EA		3/4" Lift Check Valve, Bronze, Threaded, 300 LB .....	859.21	10.68
23 05 23 00-0539	EA		1" Lift Check Valve, Bronze, Threaded, 300 LB .....	1,543.35	10.68
23 05 23 00-0540	EA		1-1/4" Lift Check Valve, Bronze, Threaded, 300 LB .....	2,057.14	13.54
23 05 23 00-0541	EA		1-1/2" Lift Check Valve, Bronze, Threaded, 300 LB .....	2,234.10	15.67
23 05 23 00-0542	EA		2" Lift Check Valve, Bronze, Threaded, 300 LB .....	2,870.49	18.51
<b>23 05 23 00-0543</b>			<b>Iron Body, Flanged, 125 LB Vertical Lift Check Valves (23 05 23 00-0527)</b> Note: Mueller 105MAP.		
23 05 23 00-0544	EA		2" Lift Check Valve, Iron Body, Flanged, 125 LB .....	1,024.97	135.64
23 05 23 00-0545	EA		2-1/2" Lift Check Valve, Iron Body, Flanged, 125 LB .....	906.16	135.88
23 05 23 00-0546	EA		3" Lift Check Valve, Iron Body, Flanged, 125 LB .....	992.72	159.31
23 05 23 00-0547	EA		4" Lift Check Valve, Iron Body, Flanged, 125 LB .....	1,400.81	267.07
23 05 23 00-0548	EA		5" Lift Check Valve, Iron Body, Flanged, 125 LB .....	1,729.69	287.02
23 05 23 00-0549	EA		6" Lift Check Valve, Iron Body, Flanged, 125 LB .....	2,118.15	318.92
23 05 23 00-0550	EA		8" Lift Check Valve, Iron Body, Flanged, 125 LB .....	3,650.80	407.51
23 05 23 00-0551	EA		10" Lift Check Valve, Iron Body, Flanged, 125 LB .....	4,579.31	496.10
23 05 23 00-0552	EA		12" Lift Check Valve, Iron Body, Flanged, 125 LB .....	7,338.64	602.39
23 05 23 00-0553	EA		14" Lift Check Valve, Iron Body, Flanged, 125 LB .....	10,047.87	858.68
23 05 23 00-0554	EA		16" Lift Check Valve, Iron Body, Flanged, 125 LB .....	11,131.24	944.55
<b>23 05 23 00-0555</b>			<b>Bronze Body Swing Check Valves (23 05 23 00-0503)</b>		
<b>23 05 23 00-0556</b>			<b>Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves (23 05 23 00-0555)</b>		
23 05 23 00-0557	EA		1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.48 16.63 9.85	10.18
23 05 23 00-0558	EA		1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.28 16.63 8.89	10.18
23 05 23 00-0559	EA		3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.83 16.63 9.35	10.18
23 05 23 00-0560	EA		1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.15 17.28 9.85	10.18
23 05 23 00-0561	EA		3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.93 20.94 13.27	10.68
23 05 23 00-0562	EA		1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.48 28.44 16.07	10.68
23 05 23 00-0563	EA		1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	170.19 39.92 20.35	13.54
23 05 23 00-0564	EA		1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	221.60 55.90 23.48	15.67
23 05 23 00-0565	EA		2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	276.78 71.87 27.75	18.51

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0566	EA		2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB .....	548.57	25.02
			For 300 LB Rating, Add	165.21	
			For Work In Restricted Working Space, Add	37.49	
23 05 23 00-0567	EA		3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	746.67	29.05
			For 300 LB Rating, Add	234.98	
			For Work In Restricted Working Space, Add	43.25	
23 05 23 00-0568	EA		4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	845.78	32.80
			For 300 LB Rating, Add	265.90	
			For Work In Restricted Working Space, Add	49.20	
<b>23 05 23 00-0569</b>			<b>125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves</b> <small>(23 05 23 00-0503)</small>		
23 05 23 00-0570	EA		1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	305.76	76.31
			For 150 LB Rating, Add	142.64	
			For 250 LB Rating, Add	272.70	
			For Work In Restricted Working Space, Add	28.80	
23 05 23 00-0571	EA		1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	341.70	89.03
			For 150 LB Rating, Add	157.15	
			For 250 LB Rating, Add	300.43	
			For Work In Restricted Working Space, Add	33.18	
23 05 23 00-0572	EA		1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	384.53	106.84
			For 150 LB Rating, Add	170.44	
			For 250 LB Rating, Add	325.85	
			For Work In Restricted Working Space, Add	40.16	
23 05 23 00-0573	EA		2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	480.89	135.64
			For 150 LB Rating, Add	211.69	
			For 250 LB Rating, Add	404.70	
			For Work In Restricted Working Space, Add	50.87	
23 05 23 00-0574	EA		2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	533.70	135.88
			For 150 LB Rating, Add	247.06	
			For 250 LB Rating, Add	472.32	
			For Work In Restricted Working Space, Add	51.11	
23 05 23 00-0575	EA		3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	594.19	159.31
			For 150 LB Rating, Add	268.47	
			For 250 LB Rating, Add	513.25	
			For Work In Restricted Working Space, Add	59.81	
23 05 23 00-0576	EA		4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	944.84	267.07
			For 150 LB Rating, Add	414.91	
			For 250 LB Rating, Add	793.21	
			For Work In Restricted Working Space, Add	100.40	
23 05 23 00-0577	EA		5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	1,254.06	287.02
			For 150 LB Rating, Add	609.16	
			For 250 LB Rating, Add	1,164.58	
			For Work In Restricted Working Space, Add	107.47	
23 05 23 00-0578	EA		6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	1,438.76	318.92
			For 150 LB Rating, Add	706.30	
			For 250 LB Rating, Add	1,350.28	
			For Work In Restricted Working Space, Add	120.02	
23 05 23 00-0579	EA		8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	3,099.41	407.51
			For 150 LB Rating, Add	1,763.38	
			For 250 LB Rating, Add	3,371.16	
			For Work In Restricted Working Space, Add	151.86	
23 05 23 00-0580	EA		10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	4,150.01	496.10
			For 150 LB Rating, Add	2,400.33	
			For 250 LB Rating, Add	4,588.87	
			For Work In Restricted Working Space, Add	186.03	
23 05 23 00-0581	EA		12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	6,256.36	602.39
			For 150 LB Rating, Add	3,743.20	
			For 250 LB Rating, Add	7,156.12	
			For Work In Restricted Working Space, Add	225.50	
23 05 23 00-0582	EA		14" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	7,305.43	858.68
			For 150 LB Rating, Add	4,237.81	
			For 250 LB Rating, Add	8,101.70	
			For Work In Restricted Working Space, Add	322.01	
23 05 23 00-0583	EA		16" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	10,257.66	944.55
			For 150 LB Rating, Add	6,172.35	
			For 250 LB Rating, Add	11,800.07	
			For Work In Restricted Working Space, Add	354.20	
23 05 23 00-0584	EA		18" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	15,575.96	1,047.59
			For 150 LB Rating, Add	9,701.20	
			For 250 LB Rating, Add	18,546.41	
			For Work In Restricted Working Space, Add	392.85	
23 05 23 00-0585	EA		20" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	21,332.39	1,180.68
			For 150 LB Rating, Add	13,502.44	
			For 250 LB Rating, Add	25,813.49	
			For Work In Restricted Working Space, Add	442.76	
23 05 23 00-0586	EA		24" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	29,609.18	1,449.03
			For 150 LB Rating, Add	18,902.57	
			For 250 LB Rating, Add	36,137.27	
			For Work In Restricted Working Space, Add	543.38	
<b>23 05 23 00-0587</b>			<b>Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves</b> <small>(23 05 23 00-0503)</small>		
			Note: 800 PSIG at 850 Degrees F.		
23 05 23 00-0588	EA		1/2" Class 800, Threaded, Forged Steel Swing Check Valve .....	180.52	10.18
			For Work In Restricted Working Space, Add	9.85	
23 05 23 00-0589	EA		3/4" 800, Threaded, Forged Steel Swing Check Valve .....	211.92	11.20
			For Work In Restricted Working Space, Add	13.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0590	EA		1" Class 800, Threaded, Forged Steel Swing Check Valve ..... <i>For Work In Restricted Working Space, Add</i>	250.49 16.07	12.72
23 05 23 00-0591	EA		1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve ..... <i>For Work In Restricted Working Space, Add</i>	389.89 20.35	13.54
23 05 23 00-0592	EA		1-1/2" 800, Threaded, Forged Steel Swing Check Valve ..... <i>For Work In Restricted Working Space, Add</i>	462.89 23.48	15.67
23 05 23 00-0593	EA		2" Class 800, Threaded, Forged Steel Swing Check Valve ..... <i>For Work In Restricted Working Space, Add</i>	627.89 27.75	18.51
<b>23 05 23 00-0594</b>			<b>Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections</b> <small>(23 05 23 00-0503)</small>		
23 05 23 00-0595	EA		1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB ..... <i>For Work In Restricted Working Space, Add</i>	52.93 9.85	10.18
23 05 23 00-0596	EA		3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB ..... <i>For Work In Restricted Working Space, Add</i>	64.33 13.27	11.20
23 05 23 00-0597	EA		1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB ..... <i>For Work In Restricted Working Space, Add</i>	74.45 16.07	12.72
23 05 23 00-0598	EA		1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB ..... <i>For Work In Restricted Working Space, Add</i>	89.59 20.35	13.54
23 05 23 00-0599	EA		1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB ..... <i>For Work In Restricted Working Space, Add</i>	101.28 23.48	15.67
23 05 23 00-0600	EA		2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB ..... <i>For Work In Restricted Working Space, Add</i>	128.28 27.75	18.51
23 05 23 00-0601	EA		2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB ..... <i>For Work In Restricted Working Space, Add</i>	175.89 37.49	25.02
23 05 23 00-0602	EA		3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB ..... <i>For Work In Restricted Working Space, Add</i>	210.26 43.25	29.05
<b>23 05 23 00-0603</b>			<b>Polyvinyl Chloride (PVC) Body, Swing Check Valves</b> <small>(23 05 23 00-0503)</small>		
<b>23 05 23 00-0604</b>			<b>Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals</b> <small>(23 05 23 00-0603)</small>		
23 05 23 00-0605	EA		3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals ..... <i>For Work In Restricted Working Space, Add</i>	609.10 50.20	131.19
23 05 23 00-0606	EA		4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals ..... <i>For Work In Restricted Working Space, Add</i>	769.64 82.69	222.56
23 05 23 00-0607	EA		6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals ..... <i>For Work In Restricted Working Space, Add</i>	1,234.06 109.43	265.76
23 05 23 00-0608	EA		8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals ..... <i>For Work In Restricted Working Space, Add</i>	1,656.06 124.02	336.63
<b>23 05 23 00-0609</b>			<b>Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals</b> <small>(23 05 23 00-0603)</small>		
23 05 23 00-0610	EA		3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals ..... <i>For Work In Restricted Working Space, Add</i>	723.10 50.20	131.19
23 05 23 00-0611	EA		4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals ..... <i>For Work In Restricted Working Space, Add</i>	1,021.40 82.69	222.56
23 05 23 00-0612	EA		6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals ..... <i>For Work In Restricted Working Space, Add</i>	1,472.52 109.43	265.76
23 05 23 00-0613	EA		8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals ..... <i>For Work In Restricted Working Space, Add</i>	1,941.07 124.02	336.63
<b>23 05 23 00-0614</b>			<b>Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter Weights</b> <small>(23 05 23 00-0603)</small>		
23 05 23 00-0615	EA		3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights ..... <i>For Work In Restricted Working Space, Add</i>	753.19 50.20	131.19
23 05 23 00-0616	EA		4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights ..... <i>For Work In Restricted Working Space, Add</i>	1,023.78 82.69	222.56
23 05 23 00-0617	EA		6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights ..... <i>For Work In Restricted Working Space, Add</i>	1,367.06 109.43	265.76
23 05 23 00-0618	EA		8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights ..... <i>For Work In Restricted Working Space, Add</i>	1,765.63 124.02	336.63
<b>23 05 23 00-0619</b>			<b>Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals And Counter Weights</b> <small>(23 05 23 00-0603)</small>		
23 05 23 00-0620	EA		3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights ..... <i>For Work In Restricted Working Space, Add</i>	848.19 50.20	131.19
23 05 23 00-0621	EA		4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights ..... <i>For Work In Restricted Working Space, Add</i>	1,162.32 82.69	222.56
23 05 23 00-0622	EA		6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights ..... <i>For Work In Restricted Working Space, Add</i>	1,564.99 109.43	265.76
23 05 23 00-0623	EA		8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights ..... <i>For Work In Restricted Working Space, Add</i>	2,003.14 124.02	336.63
<b>23 05 23 00-0624</b>			<b>Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves</b> <small>(23 05 23 00-0503)</small> Note: Nibco®		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0625	EA		1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	134.25 6.87	10.18
23 05 23 00-0626	EA		3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	170.68 7.82	11.20
23 05 23 00-0627	EA		1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	235.60 9.35	12.72
23 05 23 00-0628	EA		1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	313.57 10.30	13.54
23 05 23 00-0629	EA		1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	373.90 11.45	15.67
23 05 23 00-0630	EA		2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	534.45 13.74	18.51
<b>23 05 23 00-0631</b>			<b>Crimped Bronze, 250 PSI, In-Line, Check Valves</b> (23 05 23 00-0503)		
23 05 23 00-0632	EA		1/2" Crimped Bronze, 200 PSI, In-Line Check Valve	44.75	10.18
23 05 23 00-0633	EA		3/4" Crimped Bronze, 200 PSI, In-Line Check Valve	54.04	11.20
23 05 23 00-0634	EA		1" Crimped Bronze, 200 PSI, In-Line Check Valve	63.39	12.72
23 05 23 00-0635	EA		1-1/4" Crimped Bronze, 200 PSI, In-Line Check Valve	80.94	13.54
23 05 23 00-0636	EA		1-1/2" Crimped Bronze, 200 PSI, In-Line Check Valve	104.32	15.67
23 05 23 00-0637	EA		2" Crimped Bronze, 200 PSI, In-Line Check Valve	166.20	18.51
<b>23 05 23 00-0638</b>			<b>Diaphragm Valves</b> (23 05 23)		
<b>23 05 23 00-0639</b>			<b>Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves</b> (23 05 23 00-0638)		
23 05 23 00-0640	EA		1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	265.89	30.45
23 05 23 00-0641	EA		3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	342.66	33.73
23 05 23 00-0642	EA		1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	369.81	41.70
23 05 23 00-0643	EA		1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	588.34	62.32
23 05 23 00-0644	EA		2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	956.01	74.96
<b>23 05 23 00-0645</b>			<b>Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves</b> (23 05 23 00-0638)		
23 05 23 00-0646	EA		1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	219.20	48.84
23 05 23 00-0647	EA		3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	253.87	50.88
23 05 23 00-0648	EA		1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	303.34	76.31
23 05 23 00-0649	EA		1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	456.41	106.84
23 05 23 00-0650	EA		2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	715.93	135.64
23 05 23 00-0651	EA		2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	903.53	135.88
23 05 23 00-0652	EA		3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,119.29	159.31
23 05 23 00-0653	EA		4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,597.49	267.07
23 05 23 00-0654	EA		6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	3,229.24	318.92
23 05 23 00-0655	EA		8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	4,992.56	407.51
<b>23 05 23 00-0656</b>			<b>Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves</b> (23 05 23 00-0638)		
23 05 23 00-0657	EA		1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	159.17	30.45
23 05 23 00-0658	EA		3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	210.64	33.73
23 05 23 00-0659	EA		1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	237.79	41.70
23 05 23 00-0660	EA		1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	408.57	62.32
23 05 23 00-0661	EA		2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	537.50	74.96
<b>23 05 23 00-0662</b>			<b>Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves</b> (23 05 23 00-0638)		
23 05 23 00-0663	EA		1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	151.56	48.84
23 05 23 00-0664	EA		3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	176.55	50.88
23 05 23 00-0665	EA		1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	226.00	76.31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0666	EA		1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	351.10	106.84
23 05 23 00-0667	EA		2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	470.73	135.64
23 05 23 00-0668	EA		2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	563.01	135.88
23 05 23 00-0669	EA		3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	683.20	159.31
23 05 23 00-0670	EA		4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	1,083.45	267.07
23 05 23 00-0671	EA		6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	2,077.59	318.92
23 05 23 00-0672	EA		8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	3,165.94	407.51
<b>23 05 23 00-0673</b>			<b>125 LB, Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0638)</b>		
23 05 23 00-0674	EA		1" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	280.04	76.31
23 05 23 00-0675	EA		1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	447.86	106.84
23 05 23 00-0676	EA		2" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	599.94	135.64
23 05 23 00-0677	EA		2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	841.62	135.88
23 05 23 00-0678	EA		3" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	932.87	159.31
23 05 23 00-0679	EA		4" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	1,468.75	267.07
23 05 23 00-0680	EA		6" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	2,863.10	318.92
23 05 23 00-0681	EA		8" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	5,870.69	407.51
<b>23 05 23 00-0682</b>			<b>Solenoid Valves (23 05 23)</b>		
<b>23 05 23 00-0683</b>			<b>Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure (23 05 23 00-0682)</b>		
23 05 23 00-0684	EA		1/4" Solenoid Valve, Bronze, 150 PSI, Water.....	106.41	10.18
23 05 23 00-0685	EA		1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	123.36	10.18
23 05 23 00-0686	EA		3/4" Solenoid Valve, Bronze, 150 PSI, Water.....	158.08	11.20
23 05 23 00-0687	EA		1" Solenoid Valve, Bronze, 150 PSI, Water.....	231.88	12.72
23 05 23 00-0688	EA		1-1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	407.48	15.67
23 05 23 00-0689	EA		2" Solenoid Valve, Bronze, 150 PSI, Water.....	635.29	18.51
23 05 23 00-0690	EA		2-1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	865.22	25.02
23 05 23 00-0691	EA		3" Solenoid Valve, Bronze, 150 PSI, Water.....	1,251.71	29.05
<b>23 05 23 00-0692</b>			<b>Flow Control Valves And Meters (23 05 23)</b>		
<b>23 05 23 00-0693</b>			<b>Conditioned Water Balancing Valves (23 05 23 00-0692)</b>		
Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.					
23 05 23 00-0694	EA		1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	139.06	51.92
23 05 23 00-0695	EA		3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	167.57	69.22
23 05 23 00-0696	EA		1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	314.42	79.09
23 05 23 00-0697	EA		1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	413.09	97.73
23 05 23 00-0698	EA		1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	481.27	103.84
23 05 23 00-0699	EA		2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	656.22	118.70
23 05 23 00-0700	EA		2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	1,249.10	206.67
23 05 23 00-0701	EA		3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	1,766.39	236.20
23 05 23 00-0702	EA		3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	1,396.55	159.41
23 05 23 00-0703	EA		4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	1,732.86	267.24
23 05 23 00-0704	EA		6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	2,027.63	337.56
23 05 23 00-0705	EA		8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	3,423.78	431.33
23 05 23 00-0706	EA		10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	5,750.04	525.10
<b>23 05 23 00-0707</b>			<b>Read Out Meters (23 05 23 00-0692)</b>		
Note: For use with conditioned portable water balancing valves.					
23 05 23 00-0708	EA		0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve.....	1,008.67	
23 05 23 00-0709	EA		0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve.....	1,365.03	
23 05 23 00-0710	EA		0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve.....	1,365.03	
23 05 23 00-0711	EA		0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve.....	1,365.03	
<b>23 05 23 00-0712</b>			<b>Balancing Valves (23 05 23)</b>		
<b>23 05 23 00-0713</b>			<b>Balancing Valves With Lever (23 05 23 00-0712)</b>		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
23 05 23 00-0714	EA		1/2" Threaded Balancing Valve With Lever.....	200.88	32.06
23 05 23 00-0715	EA		3/4" Threaded Balancing Valve With Lever.....	225.60	42.25
23 05 23 00-0716	EA		1" Threaded Balancing Valve With Lever.....	475.92	48.35
23 05 23 00-0717	EA		1-1/4" Threaded Balancing Valve With Lever.....	522.94	60.05
23 05 23 00-0718	EA		1-1/2" Threaded Balancing Valve With Lever.....	557.12	63.62
23 05 23 00-0719	EA		2" Threaded Balancing Valve With Lever.....	738.77	72.78
23 05 23 00-0720	EA		2-1/2" Flanged Balancing Valve With Lever.....	984.20	135.97
23 05 23 00-0721	EA		3" Flanged Balancing Valve With Lever.....	964.79	159.41
23 05 23 00-0722	EA		4" Flanged Balancing Valve With Lever.....	1,211.58	267.24
23 05 23 00-0723	EA		5" Flanged Balancing Valve With Lever.....	1,762.02	303.81
23 05 23 00-0724	EA		6" Flanged Balancing Valve With Lever.....	1,822.06	337.56
23 05 23 00-0725	EA		8" Flanged Balancing Valve With Lever.....	2,433.29	431.33

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 05 23 00-0726		<b>Balancing Valves With Nut</b> <small>(23 05 23 00-0712)</small>			
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.			
23 05 23 00-0727	EA	4" Flanged Balancing Valve With Nut.....	1,164.36		267.24
23 05 23 00-0728	EA	5" Flanged Balancing Valve With Nut.....	1,726.90		303.81
23 05 23 00-0729	EA	6" Flanged Balancing Valve With Nut.....	1,771.20		337.56
23 05 23 00-0730	EA	8" Flanged Balancing Valve With Nut.....	2,372.75		431.33
23 05 23 00-0731		<b>Balancing Valves With Hand Wheel</b> <small>(23 05 23 00-0712)</small>			
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.			
23 05 23 00-0732	EA	4" Flanged Balancing Valve With Hand Wheel.....	1,619.65		267.24
23 05 23 00-0733	EA	5" Flanged Balancing Valve With Hand Wheel.....	2,208.84		303.81
23 05 23 00-0734	EA	6" Flanged Balancing Valve With Hand Wheel.....	2,253.14		337.56
23 05 23 00-0735	EA	8" Flanged Balancing Valve With Hand Wheel.....	3,230.06		431.33
23 05 23 00-0736	EA	10" Flanged Balancing Valve With Hand Wheel.....	4,962.33		525.10
23 05 23 00-0737	EA	12" Flanged Balancing Valve With Hand Wheel.....	6,512.15		424.43
23 05 23 00-0738	EA	14" Flanged Balancing Valve With Hand Wheel.....	8,463.09		800.25
23 05 23 00-0739		<b>Balancing Valves With Chain Wheel</b> <small>(23 05 23 00-0712)</small>			
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.			
23 05 23 00-0740	EA	4" Flanged Balancing Valve With Chain Wheel.....	1,876.37		267.24
23 05 23 00-0741	EA	5" Flanged Balancing Valve With Chain Wheel.....	2,464.34		303.81
23 05 23 00-0742	EA	6" Flanged Balancing Valve With Chain Wheel.....	2,508.64		337.56
23 05 23 00-0743	EA	8" Flanged Balancing Valve With Chain Wheel.....	3,537.63		431.33
23 05 23 00-0744	EA	10" Flanged Balancing Valve With Chain Wheel.....	5,263.84		525.10
23 05 23 00-0745	EA	12" Flanged Balancing Valve With Chain Wheel.....	7,073.06		424.13
23 05 23 00-0746	EA	14" Flanged Balancing Valve With Chain Wheel.....	8,948.66		800.25
23 05 23 00-0747		<b>Calibrated Balancing Valves</b> <small>(23 05 23 00-0712)</small>			
		Note: Bell & Gossett CB Series.			
23 05 23 00-0748	EA	1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S).....	92.15		10.18
23 05 23 00-0749	EA	3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S).....	109.50		11.20
23 05 23 00-0750	EA	1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S).....	133.64		12.72
23 05 23 00-0751	EA	1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S).....	179.08		13.54
23 05 23 00-0752	EA	1" Threaded Calibrated Balancing Valve (CB-1).....	141.79		12.72
23 05 23 00-0753	EA	1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4).....	193.16		13.54
23 05 23 00-0754	EA	1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2).....	224.36		15.68
23 05 23 00-0755	EA	2" Threaded Calibrated Balancing Valve (CB-2).....	300.13		18.52
23 05 23 00-0756	EA	2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2).....	550.88		27.18
23 05 23 00-0757	EA	3" Threaded Calibrated Balancing Valve (CB-3).....	768.20		31.56
23 05 23 00-0758	EA	2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F).....	733.70		147.61
23 05 23 00-0759	EA	3" Flanged Calibrated Balancing Valve (CB-3F).....	1,050.64		173.06
23 05 23 00-0760	EA	4" Flanged Calibrated Balancing Valve (CB-4F).....	1,649.86		290.12
23 05 23 00-0761	EA	5" Flanged Calibrated Balancing Valve (CB-5F).....	2,350.36		329.82
23 05 23 00-0762	EA	6" Flanged Calibrated Balancing Valve (CB-6F).....	3,073.11		366.47
23 05 23 00-0763	EA	8" Flanged Calibrated Balancing Valve (CB-8F).....	5,493.36		468.26
23 05 23 00-0764	EA	10" Flanged Calibrated Balancing Valve (CB-10F).....	7,607.44		560.18
23 05 23 00-0765	EA	12" Flanged Calibrated Balancing Valve (CB-12F).....	15,875.50		680.21
23 05 23 00-0766	EA	4" Grooved Calibrated Balancing Valve (CB-4G).....	1,869.33		35.05
23 05 23 00-0767	EA	5" Grooved Calibrated Balancing Valve (CB-5G).....	2,158.03		45.18
23 05 23 00-0768	EA	6" Grooved Calibrated Balancing Valve (CB-6G).....	2,867.00		57.94
23 05 23 00-0769	EA	8" Grooved Calibrated Balancing Valve (CB-8G).....	5,351.43		73.53
23 05 23 00-0770	EA	10" Grooved Calibrated Balancing Valve (CB-10G).....	7,186.95		82.39
23 05 23 00-0771	EA	12" Grooved Calibrated Balancing Valve (CB-12G).....	14,768.05		100.46
23 05 23 00-0772		<b>Butterfly Valves</b> <small>(23 05 23)</small>			
23 05 23 00-0773		<b>Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves</b> <small>(23 05 23 00-0772)</small>			
		Note: With on-off handle			
23 05 23 00-0774	EA	2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	290.65		135.64
		For Work In Restricted Working Space, Add	50.87		
		For 200 PSI, Add	58.11		
23 05 23 00-0775	EA	2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	298.48		135.88
		For Work In Restricted Working Space, Add	51.11		
		For 200 PSI, Add	61.49		
23 05 23 00-0776	EA	3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	337.34		159.31
		For Work In Restricted Working Space, Add	59.81		
		For 200 PSI, Add	66.22		
23 05 23 00-0777	EA	4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	507.83		267.07
		For Work In Restricted Working Space, Add	100.40		
		For 200 PSI, Add	83.11		
23 05 23 00-0778	EA	5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	646.44		318.92
		For Work In Restricted Working Space, Add	120.02		
		For 200 PSI, Add	118.25		
23 05 23 00-0779	EA	6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	744.20		354.35
		For Work In Restricted Working Space, Add	132.88		
		For 200 PSI, Add	144.60		
23 05 23 00-0780	EA	8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	959.50		407.51
		For Work In Restricted Working Space, Add	151.86		
		For 200 PSI, Add	217.58		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0781	EA		10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type..... <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	1,498.54 186.03 421.65	496.10
23 05 23 00-0782	EA		12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type..... <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	1,870.81 225.50 537.20	602.39
<b>23 05 23 00-0783</b>			<b>Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve</b> <small>(23 05 23 00-0772)</small>		
23 05 23 00-0784	EA		2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve..... <i>For Work In Restricted Working Space, Add</i>	994.38 16.03	27.17
23 05 23 00-0785	EA		3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve..... <i>For Work In Restricted Working Space, Add</i>	1,076.95 19.08	31.55
23 05 23 00-0786	EA		4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve..... <i>For Work In Restricted Working Space, Add</i>	1,346.60 25.18	35.62
<b>23 05 23 00-0787</b>			<b>Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valves</b> <small>(23 05 23 00-0772)</small>		
23 05 23 00-0788	EA		2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI..... <i>For Work In Restricted Working Space, Add</i>	501.81 50.87	135.64
23 05 23 00-0789	EA		2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI..... <i>For Work In Restricted Working Space, Add</i>	505.42 51.11	135.88
23 05 23 00-0790	EA		3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI..... <i>For Work In Restricted Working Space, Add</i>	551.32 59.81	159.31
23 05 23 00-0791	EA		4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI..... <i>For Work In Restricted Working Space, Add</i>	731.66 100.40	267.07
23 05 23 00-0792	EA		5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI..... <i>For Work In Restricted Working Space, Add</i>	894.20 120.02	318.92
23 05 23 00-0793	EA		6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI..... <i>For Work In Restricted Working Space, Add</i>	990.47 132.88	354.35
23 05 23 00-0794	EA		8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI..... <i>For Work In Restricted Working Space, Add</i>	1,215.71 151.86	407.51
23 05 23 00-0795	EA		10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI..... <i>For Work In Restricted Working Space, Add</i>	1,536.55 186.03	496.10
23 05 23 00-0796	EA		12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI..... <i>For Work In Restricted Working Space, Add</i>	2,083.38 225.50	602.39
<b>23 05 23 00-0797</b>			<b>Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valves</b> <small>(23 05 23 00-0772)</small>		
23 05 23 00-0798	EA		14" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI..... <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	3,450.64 322.01 855.82	805.02
23 05 23 00-0799	EA		16" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI..... <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	4,374.53 354.20 1,149.79	944.55
23 05 23 00-0800	EA		18" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI..... <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	6,057.14 393.56 1,708.30	1,051.88
23 05 23 00-0801	EA		20" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI..... <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	7,752.05 442.76 2,259.43	1,180.68
23 05 23 00-0802	EA		24" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI..... <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	10,386.08 544.93 3,085.07	1,449.03
23 05 23 00-0803	EA		30" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI..... <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	21,308.18 873.83 6,622.35	2,288.58
23 05 23 00-0804	EA		36" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI..... <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	27,013.56 1,092.28 8,414.15	3,120.80
<b>23 05 29</b>			<b>Hangers and Supports for HVAC Piping and Equipment</b> <small>(23 05)</small>		
<b>23 05 29 00-0001</b>			<b>Hangers And Supports</b> <small>(23 05 29)</small>		
<b>23 05 29 00-0002</b>			<b>Clevis Hangers</b> <small>(23 05 29 00-0001)</small>		
<b>23 05 29 00-0003</b>			<b>Steel Clevis Hanger (Cooper B-Line B3100)</b> <small>(23 05 29 00-0002)</small> Note: Type 1.		
23 05 29 00-0004	EA		1/2" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	19.22 5.06	8.43
23 05 29 00-0005	EA		3/4" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	21.10 5.63	9.37
23 05 29 00-0006	EA		1" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	22.15 5.92	9.37
23 05 29 00-0007	EA		1-1/4" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	23.07 6.08	10.13
23 05 29 00-0008	EA		1-1/2" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	23.37 6.08	10.13
23 05 29 00-0009	EA		2" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	24.53 6.25	10.31
23 05 29 00-0010	EA		2-1/2" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	27.44 6.43	10.68
23 05 29 00-0011	EA		3" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	29.61 6.62	11.24

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0012	EA		3-1/2" Steel Clevis Hanger (Cooper B-Line B3100) ..... <i>For Work In Restricted Working Space, Add</i>	30.78 7.06	12.35
23 05 29 00-0013	EA		4" Steel Clevis Hanger (Cooper B-Line B3100) ..... <i>For Work In Restricted Working Space, Add</i>	34.09 7.50	13.12
23 05 29 00-0014	EA		5" Steel Clevis Hanger (Cooper B-Line B3100) ..... <i>For Work In Restricted Working Space, Add</i>	43.99 9.42	15.70
23 05 29 00-0015	EA		6" Steel Clevis Hanger (Cooper B-Line B3100) ..... <i>For Work In Restricted Working Space, Add</i>	53.03 11.24	18.75
23 05 29 00-0016	EA		8" Steel Clevis Hanger (Cooper B-Line B3100) ..... <i>For Work In Restricted Working Space, Add</i>	72.62 14.06	23.43
23 05 29 00-0017	EA		10" Steel Clevis Hanger (Cooper B-Line B3100) ..... <i>For Work In Restricted Working Space, Add</i>	108.39 18.74	31.87
23 05 29 00-0018	EA		12" Steel Clevis Hanger (Cooper B-Line B3100) ..... <i>For Work In Restricted Working Space, Add</i>	128.14 21.09	35.14
23 05 29 00-0019	EA		14" Steel Clevis Hanger (Cooper B-Line B3100) ..... <i>For Work In Restricted Working Space, Add</i>	162.07 24.18	39.36
23 05 29 00-0020	EA		16" Steel Clevis Hanger (Cooper B-Line B3100) ..... <i>For Work In Restricted Working Space, Add</i>	204.32 28.11	46.85
23 05 29 00-0021	EA		18" Steel Clevis Hanger (Cooper B-Line B3100) ..... <i>For Work In Restricted Working Space, Add</i>	254.53 35.14	58.57
23 05 29 00-0022	EA		20" Steel Clevis Hanger (Cooper B-Line B3100) ..... <i>For Work In Restricted Working Space, Add</i>	429.25 42.17	70.29
23 05 29 00-0023	EA		24" Steel Clevis Hanger (Cooper B-Line B3100) ..... <i>For Work In Restricted Working Space, Add</i>	673.94 49.20	81.99
<b>23 05 29 00-0024</b>			<b>Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) (23 05 29 00-0002)</b>		
23 05 29 00-0025	EA		1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) ..... <i>For Work In Restricted Working Space, Add</i>	25.44 5.06	8.43
23 05 29 00-0026	EA		3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) ..... <i>For Work In Restricted Working Space, Add</i>	27.32 5.63	9.37
23 05 29 00-0027	EA		1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) ..... <i>For Work In Restricted Working Space, Add</i>	28.52 5.92	9.37
23 05 29 00-0028	EA		1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) ..... <i>For Work In Restricted Working Space, Add</i>	29.56 6.08	10.13
23 05 29 00-0029	EA		1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) ..... <i>For Work In Restricted Working Space, Add</i>	30.36 6.08	10.13
23 05 29 00-0030	EA		2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) ..... <i>For Work In Restricted Working Space, Add</i>	31.12 6.25	10.31
23 05 29 00-0031	EA		2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) ..... <i>For Work In Restricted Working Space, Add</i>	35.48 6.43	10.68
23 05 29 00-0032	EA		3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) ..... <i>For Work In Restricted Working Space, Add</i>	37.39 6.62	11.24
23 05 29 00-0033	EA		3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) ..... <i>For Work In Restricted Working Space, Add</i>	41.83 7.50	13.12
23 05 29 00-0034	EA		4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) ..... <i>For Work In Restricted Working Space, Add</i>	47.08 7.50	13.12
23 05 29 00-0035	EA		5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) ..... <i>For Work In Restricted Working Space, Add</i>	80.62 9.42	15.70
23 05 29 00-0036	EA		6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) ..... <i>For Work In Restricted Working Space, Add</i>	100.41 11.24	18.75
23 05 29 00-0037	EA		8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) ..... <i>For Work In Restricted Working Space, Add</i>	118.79 14.06	23.43
<b>23 05 29 00-0038</b>			<b>Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) (23 05 29 00-0002)</b>		
23 05 29 00-0039	EA		1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) ..... <i>For Work In Restricted Working Space, Add</i>	18.99 5.06	8.43
23 05 29 00-0040	EA		3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) ..... <i>For Work In Restricted Working Space, Add</i>	20.92 5.63	9.37
23 05 29 00-0041	EA		1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) ..... <i>For Work In Restricted Working Space, Add</i>	22.11 5.92	9.37
23 05 29 00-0042	EA		1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) ..... <i>For Work In Restricted Working Space, Add</i>	22.71 6.08	10.13
23 05 29 00-0043	EA		1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) ..... <i>For Work In Restricted Working Space, Add</i>	22.89 6.08	10.13
23 05 29 00-0044	EA		2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) ..... <i>For Work In Restricted Working Space, Add</i>	23.56 6.25	10.31
23 05 29 00-0045	EA		2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) ..... <i>For Work In Restricted Working Space, Add</i>	26.16 6.43	10.68
23 05 29 00-0046	EA		3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) ..... <i>For Work In Restricted Working Space, Add</i>	27.44 6.62	11.24
23 05 29 00-0047	EA		3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) ..... <i>For Work In Restricted Working Space, Add</i>	30.87 7.50	13.12
23 05 29 00-0048	EA		4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) ..... <i>For Work In Restricted Working Space, Add</i>	32.11 7.50	13.12
<b>23 05 29 00-0049</b>			<b>Extended Steel Clevis Hanger (Cooper B-Line B3108) (23 05 29 00-0002)</b>		
23 05 29 00-0050	EA		3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108) ..... <i>For Work In Restricted Working Space, Add</i>	28.70 5.63	9.37
23 05 29 00-0051	EA		1" Steel Extended Clevis Hanger (Cooper B-Line B3108) ..... <i>For Work In Restricted Working Space, Add</i>	29.75 5.92	9.37
23 05 29 00-0052	EA		1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108) ..... <i>For Work In Restricted Working Space, Add</i>	30.31 6.08	10.13
23 05 29 00-0053	EA		1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108) ..... <i>For Work In Restricted Working Space, Add</i>	31.55 6.08	10.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0054 EA 2" Steel Extended Clevis Hanger (Cooper B-Line B3108) ..... <i>For Work In Restricted Working Space, Add</i>	34.17 6.25	10.31
23 05 29 00-0055 EA 2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108) ..... <i>For Work In Restricted Working Space, Add</i>	36.94 6.43	10.68
23 05 29 00-0056 EA 3" Steel Extended Clevis Hanger (Cooper B-Line B3108) ..... <i>For Work In Restricted Working Space, Add</i>	38.93 6.62	11.24
23 05 29 00-0057 EA 4" Steel Extended Clevis Hanger (Cooper B-Line B3108) ..... <i>For Work In Restricted Working Space, Add</i>	47.26 7.50	13.12
23 05 29 00-0058 EA 5" Steel Extended Clevis Hanger (Cooper B-Line B3108) ..... <i>For Work In Restricted Working Space, Add</i>	59.67 9.42	15.70
23 05 29 00-0059 EA 6" Steel Extended Clevis Hanger (Cooper B-Line B3108) ..... <i>For Work In Restricted Working Space, Add</i>	74.07 11.24	18.75
23 05 29 00-0060 EA 8" Steel Extended Clevis Hanger (Cooper B-Line B3108) ..... <i>For Work In Restricted Working Space, Add</i>	107.12 14.06	23.43
23 05 29 00-0061 EA 10" Steel Extended Clevis Hanger (Cooper B-Line B3108) ..... <i>For Work In Restricted Working Space, Add</i>	151.60 18.74	31.87
23 05 29 00-0062 EA 12" Steel Extended Clevis Hanger (Cooper B-Line B3108) ..... <i>For Work In Restricted Working Space, Add</i>	170.25 21.09	35.14
<b>23 05 29 00-0063 Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) (23 05 29 00-0002)</b>		
23 05 29 00-0064 EA 2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) ..... <i>For Work In Restricted Working Space, Add</i>	35.63 6.25	10.31
23 05 29 00-0065 EA 2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) ..... <i>For Work In Restricted Working Space, Add</i>	38.31 6.43	10.68
23 05 29 00-0066 EA 3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) ..... <i>For Work In Restricted Working Space, Add</i>	40.48 6.62	11.24
23 05 29 00-0067 EA 3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) ..... <i>For Work In Restricted Working Space, Add</i>	44.61 7.50	13.12
23 05 29 00-0068 EA 4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) ..... <i>For Work In Restricted Working Space, Add</i>	47.70 7.50	13.12
23 05 29 00-0069 EA 5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) ..... <i>For Work In Restricted Working Space, Add</i>	59.10 9.42	15.70
23 05 29 00-0070 EA 6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) ..... <i>For Work In Restricted Working Space, Add</i>	68.68 11.24	18.75
23 05 29 00-0071 EA 8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) ..... <i>For Work In Restricted Working Space, Add</i>	92.19 14.06	23.43
<b>23 05 29 00-0072 Adjustable Hangers (23 05 29 00-0001)</b>		
<b>23 05 29 00-0073 Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) (23 05 29 00-0072)</b> Note: Type 5.		
23 05 29 00-0074 EA 1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) ..... <i>For Work In Restricted Working Space, Add</i>	17.76 4.43	7.39
23 05 29 00-0075 EA 3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) ..... <i>For Work In Restricted Working Space, Add</i>	19.38 4.91	8.19
23 05 29 00-0076 EA 1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) ..... <i>For Work In Restricted Working Space, Add</i>	21.18 5.46	9.11
23 05 29 00-0077 EA 1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) ..... <i>For Work In Restricted Working Space, Add</i>	23.32 6.07	10.11
23 05 29 00-0078 EA 1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) ..... <i>For Work In Restricted Working Space, Add</i>	24.51 6.37	10.62
23 05 29 00-0079 EA 2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) ..... <i>For Work In Restricted Working Space, Add</i>	26.45 6.68	11.13
23 05 29 00-0080 EA 2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) ..... <i>For Work In Restricted Working Space, Add</i>	31.30 6.98	11.63
23 05 29 00-0081 EA 3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) ..... <i>For Work In Restricted Working Space, Add</i>	32.71 7.28	12.14
23 05 29 00-0082 EA 4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) ..... <i>For Work In Restricted Working Space, Add</i>	39.59 8.19	13.66
<b>23 05 29 00-0083 Adjustable Swivel Steel Ring (Cooper B-Line B3170) (23 05 29 00-0072)</b> Note: Type 10.		
23 05 29 00-0084 EA 1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	20.12 5.63 9.04 11.65	9.37
23 05 29 00-0085 EA 3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	21.22 5.92 9.90 12.75	9.37
23 05 29 00-0086 EA 1" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	22.32 6.25 9.90 12.75	10.31
23 05 29 00-0087 EA 1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	23.73 6.62 11.09 14.28	11.24
23 05 29 00-0088 EA 1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	26.67 7.50 11.09 14.28	13.12
23 05 29 00-0089 EA 2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	28.54 8.03 11.68 15.05	13.12

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 05 29 00-0090	EA 2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	31.71 8.65 19.01 24.48	14.06
23 05 29 00-0091	EA 3" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	34.24 9.37 19.80 25.50	15.93
23 05 29 00-0092	EA 3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	38.22 10.26 26.53 34.17	17.10
23 05 29 00-0093	EA 4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	41.50 11.24 26.53 34.17	18.75
23 05 29 00-0094	EA 5" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	50.53 12.65 55.18 71.06	21.09
23 05 29 00-0095	EA 6" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	55.33 14.06 55.97 72.08	23.43
23 05 29 00-0096	EA 8" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	66.31 16.87 66.53 85.68	28.11
<b>23 05 29 00-0097</b>	<b>Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) (23 05 29 00-0072)</b>		
23 05 29 00-0098	EA 1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	21.41 5.63 17.56 22.61	9.37
23 05 29 00-0099	EA 3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	22.38 5.92 17.56 22.61	9.37
23 05 29 00-0100	EA 1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	23.48 6.25 17.56 22.61	10.31
23 05 29 00-0101	EA 1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	24.71 6.62 17.56 22.61	11.24
23 05 29 00-0102	EA 1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	27.87 7.50 19.01 24.48	13.12
23 05 29 00-0103	EA 2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	29.65 8.03 19.01 24.48	13.12
23 05 29 00-0104	EA 2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	36.40 8.65 49.96 64.35	14.06
23 05 29 00-0105	EA 3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	40.62 9.37 61.91 79.73	15.93
23 05 29 00-0106	EA 3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	44.32 10.26 66.79 86.02	17.10
23 05 29 00-0107	EA 4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	49.79 11.24 81.25 104.64	18.75
23 05 29 00-0108	EA 5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	54.66 12.65 82.43 106.17	21.09
23 05 29 00-0109	EA 6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	64.92 14.06 119.26 153.60	23.43
<b>23 05 29 00-0110</b>	<b>Roller Hangers (23 05 29 00-0001)</b>		
<b>23 05 29 00-0111</b>	<b>Single Pipe Roll (Cooper B-Line B3114) (23 05 29 00-0110)</b> Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0112	EA 2" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	34.49 4.50	7.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0113	EA		2-1/2" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	37.83 5.06	8.44
23 05 29 00-0114	EA		3" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	41.79 5.91	9.85
23 05 29 00-0115	EA		3-1/2" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	48.13 6.75	11.25
23 05 29 00-0116	EA		4" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	68.49 7.60	12.66
23 05 29 00-0117	EA		5" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	59.24 8.44	14.07
23 05 29 00-0118	EA		6" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	74.14 10.13	16.88
23 05 29 00-0119	EA		8" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	102.04 11.81	19.70
23 05 29 00-0120	EA		10" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	120.90 14.06	23.44
<b>23 05 29 00-0121</b>			<b>Adjustable Clevis Roller Hanger (Cooper B-Line B3110)</b> (23 05 29 00-0110) Note: Type 43.		
23 05 29 00-0122	EA		2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	50.33 7.64 164.21 211.48	13.23
23 05 29 00-0123	EA		2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	52.16 8.18 164.21 211.48	13.64
23 05 29 00-0124	EA		3" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	56.83 8.72 183.15 235.88	14.25
23 05 29 00-0125	EA		3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	67.48 9.16 243.80 313.99	15.27
23 05 29 00-0126	EA		4" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	70.87 10.18 243.80 313.99	17.30
23 05 29 00-0127	EA		5" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	80.39 11.18 284.66 366.61	18.63
23 05 29 00-0128	EA		6" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	94.28 12.22 353.50 455.26	20.36
23 05 29 00-0129	EA		8" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	131.06 15.27 529.06 681.36	25.45
23 05 29 00-0130	EA		10" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	163.37 20.36 630.30 811.75	34.62
23 05 29 00-0131	EA		12" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	216.74 22.91 926.57 1,193.32	38.17
23 05 29 00-0132	EA		14" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	476.58 26.26 2,567.66 3,306.84	43.77
23 05 29 00-0133	EA		16" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	601.19 30.54 3,295.97 4,244.82	50.90
<b>23 05 29 00-0134</b>			<b>Roller Chair (Cooper B-Line B3120)</b> (23 05 29 00-0110)		
23 05 29 00-0135	EA		2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	48.69 7.64	13.23
23 05 29 00-0136	EA		2-1/2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	52.52 8.18	13.64
23 05 29 00-0137	EA		3" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	54.89 8.72	14.25
23 05 29 00-0138	EA		3-1/2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	63.42 9.16	15.27
23 05 29 00-0139	EA		4" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	70.70 10.18	17.30

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0140	EA		5" Steel Roller Chair (Cooper B-Line B3120).....	77.21	18.63
			<i>For Work In Restricted Working Space, Add</i>	11.18	
23 05 29 00-0141	EA		6" Steel Roller Chair (Cooper B-Line B3120).....	96.36	20.36
			<i>For Work In Restricted Working Space, Add</i>	12.22	
23 05 29 00-0142	EA		8" Steel Roller Chair (Cooper B-Line B3120).....	126.11	25.45
			<i>For Work In Restricted Working Space, Add</i>	15.27	
23 05 29 00-0143	EA		10" Steel Roller Chair (Cooper B-Line B3120).....	162.22	34.62
			<i>For Work In Restricted Working Space, Add</i>	20.36	
23 05 29 00-0144	EA		12" Steel Roller Chair (Cooper B-Line B3120).....	213.74	38.17
			<i>For Work In Restricted Working Space, Add</i>	22.91	
23 05 29 00-0145	EA		14" Steel Roller Chair (Cooper B-Line B3120).....	231.64	43.77
			<i>For Work In Restricted Working Space, Add</i>	26.26	
23 05 29 00-0146	EA		16" Steel Roller Chair (Cooper B-Line B3120).....	280.68	50.90
			<i>For Work In Restricted Working Space, Add</i>	30.54	
23 05 29 00-0147	EA		18" Steel Roller Chair (Cooper B-Line B3120).....	381.96	63.62
			<i>For Work In Restricted Working Space, Add</i>	38.18	
23 05 29 00-0148	EA		20" Steel Roller Chair (Cooper B-Line B3120).....	474.36	76.35
			<i>For Work In Restricted Working Space, Add</i>	45.81	
<b>23 05 29 00-0149</b>			<b>Adjustable Roller Support (Cooper B-Line B3122)</b> (23 05 29 00-0110)		
23 05 29 00-0150	EA		2" Steel Adjustable Roller Support (Cooper B-Line B3122).....	56.34	13.23
			<i>For Work In Restricted Working Space, Add</i>	7.64	
23 05 29 00-0151	EA		2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122).....	63.83	13.64
			<i>For Work In Restricted Working Space, Add</i>	8.18	
23 05 29 00-0152	EA		3" Steel Adjustable Roller Support (Cooper B-Line B3122).....	66.95	14.25
			<i>For Work In Restricted Working Space, Add</i>	8.72	
23 05 29 00-0153	EA		3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122).....	70.80	15.27
			<i>For Work In Restricted Working Space, Add</i>	9.16	
23 05 29 00-0154	EA		4" Steel Adjustable Roller Support (Cooper B-Line B3122).....	86.16	17.30
			<i>For Work In Restricted Working Space, Add</i>	10.18	
23 05 29 00-0155	EA		5" Steel Adjustable Roller Support (Cooper B-Line B3122).....	98.15	18.63
			<i>For Work In Restricted Working Space, Add</i>	11.18	
23 05 29 00-0156	EA		6" Steel Adjustable Roller Support (Cooper B-Line B3122).....	115.27	20.36
			<i>For Work In Restricted Working Space, Add</i>	12.22	
23 05 29 00-0157	EA		8" Steel Adjustable Roller Support (Cooper B-Line B3122).....	165.04	25.45
			<i>For Work In Restricted Working Space, Add</i>	15.27	
23 05 29 00-0158	EA		10" Steel Adjustable Roller Support (Cooper B-Line B3122).....	204.20	34.62
			<i>For Work In Restricted Working Space, Add</i>	20.36	
23 05 29 00-0159	EA		12" Steel Adjustable Roller Support (Cooper B-Line B3122).....	236.98	38.17
			<i>For Work In Restricted Working Space, Add</i>	22.91	
23 05 29 00-0160	EA		14" Steel Adjustable Roller Support (Cooper B-Line B3122).....	342.91	43.77
			<i>For Work In Restricted Working Space, Add</i>	26.26	
23 05 29 00-0161	EA		16" Steel Adjustable Roller Support (Cooper B-Line B3122).....	412.27	50.90
			<i>For Work In Restricted Working Space, Add</i>	30.54	
23 05 29 00-0162	EA		18" Steel Adjustable Roller Support (Cooper B-Line B3122).....	463.84	63.62
			<i>For Work In Restricted Working Space, Add</i>	38.18	
<b>23 05 29 00-0163</b>			<b>Adjustable Double Roller Support (Cooper B-Line B3122A)</b> (23 05 29 00-0110)		
23 05 29 00-0164	EA		2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	56.78	13.23
			<i>For Work In Restricted Working Space, Add</i>	7.64	
23 05 29 00-0165	EA		2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	64.22	13.64
			<i>For Work In Restricted Working Space, Add</i>	8.18	
23 05 29 00-0166	EA		3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	67.61	14.25
			<i>For Work In Restricted Working Space, Add</i>	8.72	
23 05 29 00-0167	EA		3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	70.22	15.27
			<i>For Work In Restricted Working Space, Add</i>	9.16	
23 05 29 00-0168	EA		4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	90.63	17.30
			<i>For Work In Restricted Working Space, Add</i>	10.18	
23 05 29 00-0169	EA		5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	103.41	18.63
			<i>For Work In Restricted Working Space, Add</i>	11.18	
23 05 29 00-0170	EA		6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	121.55	20.36
			<i>For Work In Restricted Working Space, Add</i>	12.22	
23 05 29 00-0171	EA		8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	174.77	25.45
			<i>For Work In Restricted Working Space, Add</i>	15.27	
23 05 29 00-0172	EA		10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	215.86	34.62
			<i>For Work In Restricted Working Space, Add</i>	20.36	
23 05 29 00-0173	EA		12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	250.63	38.17
			<i>For Work In Restricted Working Space, Add</i>	22.91	
23 05 29 00-0174	EA		14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	364.74	43.77
			<i>For Work In Restricted Working Space, Add</i>	26.26	
<b>23 05 29 00-0175</b>			<b>Pipe And Riser Clamps</b> (23 05 29 00-0001)		
			Note: Includes bolts and weldless eye nuts.		
<b>23 05 29 00-0176</b>			<b>Steel Pipe Clamp (Cooper B-Line B3140)</b> (23 05 29 00-0175)		
			Note: Type 4.		
23 05 29 00-0177	EA		1/2" Steel Pipe Clamp (Cooper B-Line B3140).....	17.93	6.07
			<i>For Work In Restricted Working Space, Add</i>	3.64	
23 05 29 00-0178	EA		3/4" Steel Pipe Clamp (Cooper B-Line B3140).....	18.13	6.17
			<i>For Work In Restricted Working Space, Add</i>	3.70	
23 05 29 00-0179	EA		1" Steel Pipe Clamp (Cooper B-Line B3140).....	18.37	6.27
			<i>For Work In Restricted Working Space, Add</i>	3.76	
23 05 29 00-0180	EA		1-1/4" Steel Pipe Clamp (Cooper B-Line B3140).....	20.34	6.37
			<i>For Work In Restricted Working Space, Add</i>	3.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0181	EA		1-1/2" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	20.54 3.88	6.47
23 05 29 00-0182	EA		2" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	22.08 3.95	6.57
23 05 29 00-0183	EA		2-1/2" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	23.01 4.07	6.77
23 05 29 00-0184	EA		3" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	24.52 4.19	6.97
23 05 29 00-0185	EA		3-1/2" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	29.10 4.25	7.08
23 05 29 00-0186	EA		4" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	33.14 5.46	9.11
23 05 29 00-0187	EA		5" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	48.13 7.28	12.14
23 05 29 00-0188	EA		6" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	66.93 9.10	15.17
23 05 29 00-0189	EA		8" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	78.88 10.62	17.70
23 05 29 00-0190	EA		10" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	118.84 12.14	20.23
23 05 29 00-0191	EA		12" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	165.76 13.35	22.25
23 05 29 00-0192	EA		14" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	276.11 14.56	24.27
23 05 29 00-0193	EA		16" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	299.30 15.78	26.29
23 05 29 00-0194	EA		18" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	496.14 16.99	28.32
23 05 29 00-0195	EA		20" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	575.40 18.20	30.34
23 05 29 00-0196	EA		24" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	754.17 20.03	33.38
<b>23 05 29 00-0197 Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) (23 05 29 00-0175)</b>					
23 05 29 00-0198	EA		3" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) ..... <i>For Work In Restricted Working Space, Add</i>	40.82 3.91	6.55
23 05 29 00-0199	EA		4" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) ..... <i>For Work In Restricted Working Space, Add</i>	55.09 3.91	6.55
23 05 29 00-0200	EA		5" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) ..... <i>For Work In Restricted Working Space, Add</i>	60.73 4.07	6.79
23 05 29 00-0201	EA		6" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) ..... <i>For Work In Restricted Working Space, Add</i>	99.69 4.24	7.03
23 05 29 00-0202	EA		8" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) ..... <i>For Work In Restricted Working Space, Add</i>	108.61 4.49	7.49
23 05 29 00-0203	EA		10" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) ..... <i>For Work In Restricted Working Space, Add</i>	189.84 4.48	7.49
23 05 29 00-0204	EA		12" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) ..... <i>For Work In Restricted Working Space, Add</i>	309.87 5.06	8.43
23 05 29 00-0205	EA		14" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) ..... <i>For Work In Restricted Working Space, Add</i>	394.09 5.63	9.37
23 05 29 00-0206	EA		16" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) ..... <i>For Work In Restricted Working Space, Add</i>	427.75 6.75	11.24
23 05 29 00-0207	EA		18" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) ..... <i>For Work In Restricted Working Space, Add</i>	1,345.78 7.87	13.12
23 05 29 00-0208	EA		20" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) ..... <i>For Work In Restricted Working Space, Add</i>	1,547.65 8.43	14.06
23 05 29 00-0209	EA		24" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) ..... <i>For Work In Restricted Working Space, Add</i>	1,984.53 9.00	14.99
<b>23 05 29 00-0210 Steel Riser Clamp (Cooper B-Line B3373) (23 05 29 00-0175)</b>					
Note: Type 8.					
23 05 29 00-0211	EA		1/2" Steel Riser Clamp (Cooper B-Line B3373) ..... <i>For Work In Restricted Working Space, Add</i>	18.49 3.37	5.63
23 05 29 00-0212	EA		3/4" Steel Riser Clamp (Cooper B-Line B3373) ..... <i>For Work In Restricted Working Space, Add</i>	19.35 3.43	5.72
23 05 29 00-0213	EA		1" Steel Riser Clamp (Cooper B-Line B3373) ..... <i>For Work In Restricted Working Space, Add</i>	19.62 3.49	5.81
23 05 29 00-0214	EA		1-1/4" Steel Riser Clamp (Cooper B-Line B3373) ..... <i>For Work In Restricted Working Space, Add</i>	21.49 3.54	5.90
23 05 29 00-0215	EA		1-1/2" Steel Riser Clamp (Cooper B-Line B3373) ..... <i>For Work In Restricted Working Space, Add</i>	22.43 3.60	6.00
23 05 29 00-0216	EA		2" Steel Riser Clamp (Cooper B-Line B3373) ..... <i>For Work In Restricted Working Space, Add</i>	23.01 3.65	6.09
23 05 29 00-0217	EA		2-1/2" Steel Riser Clamp (Cooper B-Line B3373) ..... <i>For Work In Restricted Working Space, Add</i>	24.04 3.77	6.28
23 05 29 00-0218	EA		3" Steel Riser Clamp (Cooper B-Line B3373) ..... <i>For Work In Restricted Working Space, Add</i>	25.62 3.88	6.46
23 05 29 00-0219	EA		3-1/2" Steel Riser Clamp (Cooper B-Line B3373) ..... <i>For Work In Restricted Working Space, Add</i>	28.55 3.94	6.55
23 05 29 00-0220	EA		4" Steel Riser Clamp (Cooper B-Line B3373) ..... <i>For Work In Restricted Working Space, Add</i>	34.33 5.06	8.43
23 05 29 00-0221	EA		5" Steel Riser Clamp (Cooper B-Line B3373) ..... <i>For Work In Restricted Working Space, Add</i>	44.14 6.75	11.24
23 05 29 00-0222	EA		6" Steel Riser Clamp (Cooper B-Line B3373) ..... <i>For Work In Restricted Working Space, Add</i>	56.13 8.43	14.06

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0223	EA		8" Steel Riser Clamp (Cooper B-Line B3373) .....	78.67	16.40
			<i>For Work In Restricted Working Space, Add</i>	9.84	
23 05 29 00-0224	EA		10" Steel Riser Clamp (Cooper B-Line B3373) .....	105.35	18.75
			<i>For Work In Restricted Working Space, Add</i>	11.24	
23 05 29 00-0225	EA		12" Steel Riser Clamp (Cooper B-Line B3373) .....	128.90	20.61
			<i>For Work In Restricted Working Space, Add</i>	12.37	
23 05 29 00-0226	EA		14" Steel Riser Clamp (Cooper B-Line B3373) .....	176.89	22.49
			<i>For Work In Restricted Working Space, Add</i>	13.49	
23 05 29 00-0227	EA		16" Steel Riser Clamp (Cooper B-Line B3373) .....	349.84	24.36
			<i>For Work In Restricted Working Space, Add</i>	14.62	
<b>23 05 29 00-0228</b>			<b>Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) (23 05 29 00-0175)</b>		
23 05 29 00-0229	EA		1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) .....	35.72	5.63
			<i>For Work In Restricted Working Space, Add</i>	3.37	
23 05 29 00-0230	EA		3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) .....	36.27	5.72
			<i>For Work In Restricted Working Space, Add</i>	3.43	
23 05 29 00-0231	EA		1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) .....	37.87	5.81
			<i>For Work In Restricted Working Space, Add</i>	3.49	
23 05 29 00-0232	EA		1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) .....	40.71	5.90
			<i>For Work In Restricted Working Space, Add</i>	3.54	
23 05 29 00-0233	EA		1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) .....	46.46	6.00
			<i>For Work In Restricted Working Space, Add</i>	3.60	
23 05 29 00-0234	EA		2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) .....	49.56	6.09
			<i>For Work In Restricted Working Space, Add</i>	3.65	
23 05 29 00-0235	EA		2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) .....	53.87	6.28
			<i>For Work In Restricted Working Space, Add</i>	3.77	
23 05 29 00-0236	EA		3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) .....	59.51	6.46
			<i>For Work In Restricted Working Space, Add</i>	3.88	
23 05 29 00-0237	EA		4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) .....	80.82	8.43
			<i>For Work In Restricted Working Space, Add</i>	5.06	
<b>23 05 29 00-0238</b>			<b>Two Bolt Steel Underground Clamp (Cooper B-Line B3132) (23 05 29 00-0175)</b>		
			Note: Type 42		
23 05 29 00-0239	EA		4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) .....	84.88	6.55
			<i>For Work In Restricted Working Space, Add</i>	3.91	
23 05 29 00-0240	EA		6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) .....	89.97	7.03
			<i>For Work In Restricted Working Space, Add</i>	4.24	
23 05 29 00-0241	EA		8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) .....	98.99	7.49
			<i>For Work In Restricted Working Space, Add</i>	4.49	
23 05 29 00-0242	EA		10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) .....	106.06	7.49
			<i>For Work In Restricted Working Space, Add</i>	4.48	
23 05 29 00-0243	EA		12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) .....	128.76	8.43
			<i>For Work In Restricted Working Space, Add</i>	5.06	
23 05 29 00-0244	EA		14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) .....	412.20	9.37
			<i>For Work In Restricted Working Space, Add</i>	5.63	
23 05 29 00-0245	EA		16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) .....	553.16	11.24
			<i>For Work In Restricted Working Space, Add</i>	6.75	
23 05 29 00-0246	EA		18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) .....	659.34	13.12
			<i>For Work In Restricted Working Space, Add</i>	7.87	
23 05 29 00-0247	EA		20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) .....	964.19	14.06
			<i>For Work In Restricted Working Space, Add</i>	8.43	
23 05 29 00-0248	EA		24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) .....	1,332.13	14.99
			<i>For Work In Restricted Working Space, Add</i>	9.00	
<b>23 05 29 00-0249</b>			<b>Four Bolt Steel Underground Clamp (Cooper B-Line B3134) (23 05 29 00-0175)</b>		
23 05 29 00-0250	EA		4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) .....	77.98	6.55
			<i>For Work In Restricted Working Space, Add</i>	3.91	
23 05 29 00-0251	EA		6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) .....	84.05	7.03
			<i>For Work In Restricted Working Space, Add</i>	4.24	
23 05 29 00-0252	EA		8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) .....	150.45	7.49
			<i>For Work In Restricted Working Space, Add</i>	4.49	
23 05 29 00-0253	EA		10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) .....	167.92	7.49
			<i>For Work In Restricted Working Space, Add</i>	4.48	
23 05 29 00-0254	EA		12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) .....	242.83	8.43
			<i>For Work In Restricted Working Space, Add</i>	5.06	
23 05 29 00-0255	EA		14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) .....	374.96	9.37
			<i>For Work In Restricted Working Space, Add</i>	5.63	
23 05 29 00-0256	EA		16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) .....	503.94	11.24
			<i>For Work In Restricted Working Space, Add</i>	6.75	
23 05 29 00-0257	EA		18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) .....	599.99	13.12
			<i>For Work In Restricted Working Space, Add</i>	7.87	
23 05 29 00-0258	EA		20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) .....	880.83	14.06
			<i>For Work In Restricted Working Space, Add</i>	8.43	
23 05 29 00-0259	EA		24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) .....	1,208.74	14.99
			<i>For Work In Restricted Working Space, Add</i>	9.00	
<b>23 05 29 00-0260</b>			<b>Split Pipe Clamps And Rings (23 05 29 00-0001)</b>		
<b>23 05 29 00-0261</b>			<b>Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) (23 05 29 00-0260)</b>		
			Note: Type 6.		
23 05 29 00-0262	EA		3/4" Adjustable Swivel Ring (Cooper B-Line B3171) .....	31.12	8.59
			<i>For Work In Restricted Working Space, Add</i>	5.16	
23 05 29 00-0263	EA		1" Adjustable Swivel Ring (Cooper B-Line B3171) .....	32.96	9.11
			<i>For Work In Restricted Working Space, Add</i>	5.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0264	EA		1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171) ..... <i>For Work In Restricted Working Space, Add</i>	35.70 6.07	10.11
23 05 29 00-0265	EA		1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) ..... <i>For Work In Restricted Working Space, Add</i>	38.65 6.37	10.62
23 05 29 00-0266	EA		2" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	42.01 6.68	11.13
23 05 29 00-0267	EA		2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) ..... <i>For Work In Restricted Working Space, Add</i>	53.36 6.98	11.63
23 05 29 00-0268	EA		3" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	59.00 7.28	12.14
23 05 29 00-0269	EA		4" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	80.30 8.19	13.66
23 05 29 00-0270	EA		5" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	102.21 10.31	17.20
23 05 29 00-0271	EA		6" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	138.64 12.14	20.23
<b>23 05 29 00-0272</b>			<b>Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)</b> <small>(23 05 29 00-0260)</small>		
			Note: Type 11.		
23 05 29 00-0273	EA		1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	19.04 4.36	7.13
23 05 29 00-0274	EA		3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	20.14 4.56	7.13
23 05 29 00-0275	EA		1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	22.09 5.09	9.16
23 05 29 00-0276	EA		1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	24.21 5.36	9.16
23 05 29 00-0277	EA		1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	27.56 5.55	9.16
23 05 29 00-0278	EA		2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	32.68 6.11	10.18
23 05 29 00-0279	EA		2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	45.81 6.36	10.18
23 05 29 00-0280	EA		3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	51.46 6.64	11.20
23 05 29 00-0281	EA		4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	54.54 7.27	12.21
<b>23 05 29 00-0282</b>			<b>Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)</b> <small>(23 05 29 00-0260)</small>		
			Note: Type 12.		
23 05 29 00-0283	EA		1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	19.04 4.36	7.13
23 05 29 00-0284	EA		3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	20.14 4.56	7.63
23 05 29 00-0285	EA		1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	22.09 5.09	8.65
23 05 29 00-0286	EA		1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	24.21 5.36	9.16
23 05 29 00-0287	EA		1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	27.56 5.55	9.16
23 05 29 00-0288	EA		2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	32.68 6.11	10.18
23 05 29 00-0289	EA		2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	45.81 6.36	10.68
23 05 29 00-0290	EA		3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	51.46 6.64	11.20
<b>23 05 29 00-0291</b>			<b>Pipe Straps</b> <small>(23 05 29 00-0001)</small>		
<b>23 05 29 00-0292</b>			<b>Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180)</b> <small>(23 05 29 00-0291)</small>		
23 05 29 00-0293	EA		1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	12.85 3.05	5.09
23 05 29 00-0294	EA		3/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	13.38 3.21	6.11
23 05 29 00-0295	EA		1" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	13.98 3.39	6.11
23 05 29 00-0296	EA		1-1/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	14.76 3.59	6.11
23 05 29 00-0297	EA		1-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	15.60 3.82	7.13
23 05 29 00-0298	EA		2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	18.31 4.07	7.13
23 05 29 00-0299	EA		2-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	23.10 4.36	7.13
23 05 29 00-0300	EA		3" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	30.65 4.70	7.13
23 05 29 00-0301	EA		4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	36.37 5.49	9.16
23 05 29 00-0302	EA		6" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	45.24 6.11	10.18
23 05 29 00-0303	EA		8" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	57.44 6.71	11.20

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 05 29 00-0304		<b>Two Hole Copper-Clad Pipe Straps</b> (23 05 29 00-0291)			
23 05 29 00-0305	EA	1/2" Two Hole Copper-Clad Pipe Strap.....	5.52		
		<i>For Work In Restricted Working Space, Add</i>	1.53		
23 05 29 00-0306	EA	3/4" Two Hole Copper-Clad Pipe Strap.....	5.85		
		<i>For Work In Restricted Working Space, Add</i>	1.60		
23 05 29 00-0307	EA	1" Two Hole Copper-Clad Pipe Strap.....	6.47		
		<i>For Work In Restricted Working Space, Add</i>	1.68		
23 05 29 00-0308	EA	1-1/4" Two Hole Copper-Clad Pipe Strap.....	7.14		
		<i>For Work In Restricted Working Space, Add</i>	1.76		
23 05 29 00-0309	EA	1-1/2" Two Hole Copper-Clad Pipe Strap.....	7.63		
		<i>For Work In Restricted Working Space, Add</i>	1.83		
23 05 29 00-0310	EA	2" Two Hole Copper-Clad Pipe Strap.....	8.27		
		<i>For Work In Restricted Working Space, Add</i>	1.98		
23 05 29 00-0311		<b>One Hole Galvanized Steel Pipe Straps</b> (23 05 29 00-0291)			
23 05 29 00-0312	EA	1/2" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	2.88		
		<i>For Work In Restricted Working Space, Add</i>	0.51		
23 05 29 00-0313	EA	3/4" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	3.49		
		<i>For Work In Restricted Working Space, Add</i>	0.54		
23 05 29 00-0314	EA	1" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	3.76		
		<i>For Work In Restricted Working Space, Add</i>	0.59		
23 05 29 00-0315	EA	1-1/4" Galvanized Steel Strap, 1 Hole.....	4.03		
		<i>For Work In Restricted Working Space, Add</i>	0.64		
23 05 29 00-0316	EA	1-1/2" Galvanized Steel Strap, 1 Hole.....	4.32		
		<i>For Work In Restricted Working Space, Add</i>	0.69		
23 05 29 00-0317	EA	2" Galvanized Steel Strap, 1 Hole.....	4.83		
		<i>For Work In Restricted Working Space, Add</i>	0.76		
23 05 29 00-0318		<b>Pipe and Equipment Support Brackets</b> (23 05 29 00-0001)			
23 05 29 00-0319		<b>Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068)</b> (23 05 29 00-0318)			
		Note: Up to 750# load.			
23 05 29 00-0320	EA	9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	141.94		11.24
		<i>For Galvanized, Add</i>	23.89		
		<i>For Work In Restricted Working Space, Add</i>	6.75		
23 05 29 00-0321	EA	13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	144.13		11.24
		<i>For Galvanized, Add</i>	24.33		
		<i>For Work In Restricted Working Space, Add</i>	6.75		
23 05 29 00-0322	EA	19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	152.77		11.24
		<i>For Galvanized, Add</i>	26.06		
		<i>For Work In Restricted Working Space, Add</i>	6.75		
23 05 29 00-0323		<b>Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066)</b> (23 05 29 00-0318)			
		Note: Up to 1500# load.			
23 05 29 00-0324	EA	12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	353.01		11.24
		<i>For Galvanized, Add</i>	66.10		
		<i>For Work In Restricted Working Space, Add</i>	6.75		
23 05 29 00-0325	EA	18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	415.15		11.24
		<i>For Galvanized, Add</i>	78.53		
		<i>For Work In Restricted Working Space, Add</i>	6.75		
23 05 29 00-0326	EA	24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	541.85		11.24
		<i>For Galvanized, Add</i>	103.87		
		<i>For Work In Restricted Working Space, Add</i>	6.75		
23 05 29 00-0327		<b>Pipe Alignment Guide</b> (23 05 29 00-0001)			
23 05 29 00-0328		<b>Pipe Alignment Guide, 1" Insulation</b> (23 05 29 00-0327)			
23 05 29 00-0329	EA	1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2).....	559.84		17.81
23 05 29 00-0330	EA	3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4).....	560.77		18.27
23 05 29 00-0331	EA	1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1).....	561.71		18.75
23 05 29 00-0332	EA	1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4).....	562.65		19.21
23 05 29 00-0333	EA	1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2).....	614.65		19.68
23 05 29 00-0334	EA	2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2).....	626.35		21.55
23 05 29 00-0335	EA	2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2).....	627.75		22.26
23 05 29 00-0336	EA	3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3).....	629.16		22.96
23 05 29 00-0337	EA	4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4).....	665.84		24.36
23 05 29 00-0338	EA	5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5).....	775.12		30.93
23 05 29 00-0339	EA	6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6).....	788.23		37.48
23 05 29 00-0340	EA	8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8).....	885.90		46.85
23 05 29 00-0341	EA	10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10).....	1,654.51		56.23
23 05 29 00-0342	EA	12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12).....	2,523.78		74.96
23 05 29 00-0343	EA	14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14).....	3,104.86		93.71
23 05 29 00-0344	EA	16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16).....	3,740.09		104.95
23 05 29 00-0345	EA	18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18).....	4,031.87		117.14
23 05 29 00-0346	EA	20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20).....	4,279.77		134.01
23 05 29 00-0347	EA	24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24).....	5,407.71		140.56
23 05 29 00-0348		<b>Pipe Alignment Guide, 1-1/2" Insulation</b> (23 05 29 00-0327)			
23 05 29 00-0349	EA	1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2).....	560.77		18.27



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0350	EA	3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4).....	612.77	18.75
23 05 29 00-0351	EA	1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1).....	613.71	19.21
23 05 29 00-0352	EA	1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4).....	614.65	19.68
23 05 29 00-0353	EA	1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2).....	615.59	20.15
23 05 29 00-0354	EA	2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2).....	627.29	22.02
23 05 29 00-0355	EA	2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2).....	628.69	22.73
23 05 29 00-0356	EA	3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3).....	663.96	23.43
23 05 29 00-0357	EA	4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4).....	666.77	24.84
23 05 29 00-0358	EA	5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5).....	776.53	31.62
23 05 29 00-0359	EA	6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6).....	790.11	38.42
23 05 29 00-0360	EA	8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8).....	888.24	48.03
23 05 29 00-0361	EA	10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10).....	1,657.32	57.63
23 05 29 00-0362	EA	12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12).....	2,527.52	76.84
23 05 29 00-0363	EA	14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14).....	3,109.54	96.05
23 05 29 00-0364	EA	16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16).....	3,745.72	107.77
23 05 29 00-0365	EA	18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18).....	4,037.50	119.95
23 05 29 00-0366	EA	20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20).....	4,286.33	137.28
23 05 29 00-0367	EA	24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24).....	5,414.74	144.08
<b>23 05 29 00-0368 Pipe Alignment Guide, 2" Insulation (23 05 29 00-0327)</b>				
23 05 29 00-0369	EA	1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2).....	612.77	18.75
23 05 29 00-0370	EA	3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4).....	621.66	19.21
23 05 29 00-0371	EA	1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1).....	622.60	19.68
23 05 29 00-0372	EA	1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4).....	623.54	20.15
23 05 29 00-0373	EA	1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2).....	624.47	20.61
23 05 29 00-0374	EA	2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2).....	662.09	22.49
23 05 29 00-0375	EA	2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2).....	663.96	23.43
23 05 29 00-0376	EA	3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3).....	665.14	24.01
23 05 29 00-0377	EA	4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4).....	763.87	25.30
23 05 29 00-0378	EA	5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5).....	777.93	32.33
23 05 29 00-0379	EA	6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6).....	870.91	39.36
23 05 29 00-0380	EA	8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8).....	978.00	49.20
23 05 29 00-0381	EA	10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10).....	1,660.13	59.04
23 05 29 00-0382	EA	12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12).....	2,531.27	78.72
23 05 29 00-0383	EA	14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14).....	3,114.23	98.40
23 05 29 00-0384	EA	16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16).....	3,751.12	110.47
23 05 29 00-0385	EA	18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18).....	4,043.59	122.99
23 05 29 00-0386	EA	20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20).....	4,292.89	140.56
23 05 29 00-0387	EA	24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24).....	5,421.77	147.59
<b>23 05 29 00-0388 Pipe Alignment Guide, 2-1/2" Insulation (23 05 29 00-0327)</b>				
23 05 29 00-0389	EA	1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2).....	621.66	19.21
23 05 29 00-0390	EA	3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4).....	656.47	19.68
23 05 29 00-0391	EA	1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1).....	657.41	20.15
23 05 29 00-0392	EA	1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4).....	658.34	20.61
23 05 29 00-0393	EA	1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2).....	659.28	21.09
23 05 29 00-0394	EA	2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2).....	663.03	22.96
23 05 29 00-0395	EA	2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2).....	665.14	24.01
23 05 29 00-0396	EA	3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3).....	762.47	24.59
23 05 29 00-0397	EA	4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4).....	764.81	25.77
23 05 29 00-0398	EA	5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5).....	857.79	32.80
23 05 29 00-0399	EA	6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6).....	872.78	40.30
23 05 29 00-0400	EA	8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8).....	1,642.80	50.37
23 05 29 00-0401	EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10).....	2,494.73	60.44
23 05 29 00-0402	EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12).....	3,078.62	80.59
23 05 29 00-0403	EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14).....	3,119.47	100.74
23 05 29 00-0404	EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16).....	3,756.96	113.38
23 05 29 00-0405	EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18).....	4,049.68	126.04
23 05 29 00-0406	EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20).....	4,299.92	144.08
23 05 29 00-0407	EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24).....	5,429.26	151.34
<b>23 05 29 00-0408 Pipe Alignment Guide, 3" Insulation (23 05 29 00-0327)</b>				
23 05 29 00-0409	EA	1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2).....	656.47	19.68
23 05 29 00-0410	EA	3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4).....	657.41	20.15
23 05 29 00-0411	EA	1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1).....	658.34	20.61
23 05 29 00-0412	EA	1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4).....	659.28	21.09
23 05 29 00-0413	EA	1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2).....	660.22	21.55
23 05 29 00-0414	EA	2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2).....	760.12	23.43
23 05 29 00-0415	EA	2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2).....	762.47	24.59
23 05 29 00-0416	EA	3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3).....	763.87	25.30
23 05 29 00-0417	EA	4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4).....	845.04	26.43
23 05 29 00-0418	EA	5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5).....	859.66	33.73
23 05 29 00-0419	EA	6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6).....	962.07	41.23
23 05 29 00-0420	EA	8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8).....	1,645.14	51.54
23 05 29 00-0421	EA	10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10).....	2,497.54	61.85
23 05 29 00-0422	EA	12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12).....	3,082.37	82.47
23 05 29 00-0423	EA	14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14).....	3,124.15	103.08
23 05 29 00-0424	EA	16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16).....	3,762.58	116.20
23 05 29 00-0425	EA	18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18).....	4,055.30	128.85
23 05 29 00-0426	EA	20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20).....	4,306.95	147.59
23 05 29 00-0427	EA	24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24).....	5,436.76	155.09

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
<b>23 05 29 00-0428 Pipe Alignment Guide, 3-1/2" Insulation (23 05 29 00-0327)</b>					
23 05 29 00-0429	EA	1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2)	657.41		20.15
23 05 29 00-0430	EA	3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4)	754.50		20.61
23 05 29 00-0431	EA	1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1)	755.44		21.09
23 05 29 00-0432	EA	1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4)	756.38		21.55
23 05 29 00-0433	EA	1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2)	757.32		22.02
23 05 29 00-0434	EA	2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2)	761.30		24.01
23 05 29 00-0435	EA	2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2)	763.69		25.21
23 05 29 00-0436	EA	3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3)	844.06		25.94
23 05 29 00-0437	EA	4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4)	846.54		27.18
23 05 29 00-0438	EA	5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5)	948.95		34.67
23 05 29 00-0439	EA	6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6)	1,626.40		42.17
23 05 29 00-0440	EA	8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8)	2,479.27		52.71
23 05 29 00-0441	EA	10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10)	3,044.78		63.40
23 05 29 00-0442	EA	12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12)	3,698.85		84.34
23 05 29 00-0443	EA	14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14)	3,741.49		105.66
23 05 29 00-0444	EA	16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16)	4,048.22		119.01
23 05 29 00-0445	EA	18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18)	4,276.02		132.13
23 05 29 00-0446	EA	20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20)	5,428.32		150.88
<b>23 05 29 00-0447 Pipe Alignment Guide, 4" Insulation (23 05 29 00-0327)</b>					
23 05 29 00-0448	EA	1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2)	754.50		20.61
23 05 29 00-0449	EA	3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4)	755.44		21.09
23 05 29 00-0450	EA	1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1)	756.38		21.55
23 05 29 00-0451	EA	1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4)	757.32		22.02
23 05 29 00-0452	EA	1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2)	758.25		22.49
23 05 29 00-0453	EA	2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2)	841.39		24.59
23 05 29 00-0454	EA	2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2)	843.73		25.77
23 05 29 00-0455	EA	3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3)	845.32		26.57
23 05 29 00-0456	EA	4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4)	935.35		27.88
23 05 29 00-0457	EA	5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5)	1,613.28		35.61
23 05 29 00-0458	EA	6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6)	1,628.27		43.11
23 05 29 00-0459	EA	8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8)	2,481.61		53.88
23 05 29 00-0460	EA	10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10)	3,048.24		65.13
23 05 29 00-0461	EA	12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12)	3,703.07		86.45
23 05 29 00-0462	EA	14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14)	4,013.14		107.77
23 05 29 00-0463	EA	16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16)	4,255.41		121.82
23 05 29 00-0464	EA	18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18)	5,398.33		135.88
<b>23 05 29 00-0465 Sway Bracing For No Hub Pipe (23 05 29 00-0001)</b>					
23 05 29 00-0466	EA	1-1/2" Sway Bracing	108.24		12.37
		<i>For Work In Restricted Working Space, Add</i>	7.40		
23 05 29 00-0467	EA	2" Sway Bracing	111.59		13.03
		<i>For Work In Restricted Working Space, Add</i>	7.81		
23 05 29 00-0468	EA	3" Sway Bracing	115.66		13.77
		<i>For Work In Restricted Working Space, Add</i>	8.27		
23 05 29 00-0469	EA	4" Sway Bracing	131.27		15.65
		<i>For Work In Restricted Working Space, Add</i>	9.37		
23 05 29 00-0470	EA	6" Sway Bracing	192.73		23.43
		<i>For Work In Restricted Working Space, Add</i>	14.06		
23 05 29 00-0471	EA	8" Sway Bracing	214.36		29.23
		<i>For Work In Restricted Working Space, Add</i>	17.57		
23 05 29 00-0472	EA	10" Sway Bracing	243.19		39.08
		<i>For Work In Restricted Working Space, Add</i>	23.43		
<b>23 05 29 00-0473 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) (23 05 29 00-0001)</b>					
Note: Heights listed is total for base and adjustable saddle					
23 05 29 00-0474	EA	23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	228.97		9.37
		<i>For Work In Restricted Working Space, Add</i>	5.63		
23 05 29 00-0475	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	234.24		10.31
		<i>For Work In Restricted Working Space, Add</i>	6.18		
23 05 29 00-0476	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	452.60		11.72
		<i>For Work In Restricted Working Space, Add</i>	7.03		
23 05 29 00-0477	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	556.58		13.12
		<i>For Work In Restricted Working Space, Add</i>	7.87		
23 05 29 00-0478	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	564.06		14.52
		<i>For Work In Restricted Working Space, Add</i>	8.72		
23 05 29 00-0479	EA	25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	619.12		16.40
		<i>For Work In Restricted Working Space, Add</i>	9.84		
23 05 29 00-0480	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	739.77		17.81
		<i>For Work In Restricted Working Space, Add</i>	10.68		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0481	EA		25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	748.72	19.21
			<i>For Work In Restricted Working Space, Add</i>	11.53	
23 05 29 00-0482	EA		26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	760.22	21.09
			<i>For Work In Restricted Working Space, Add</i>	12.65	
23 05 29 00-0483	EA		28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	791.30	22.96
			<i>For Work In Restricted Working Space, Add</i>	13.78	
23 05 29 00-0484	EA		29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	846.66	25.30
			<i>For Work In Restricted Working Space, Add</i>	15.18	
23 05 29 00-0485	EA		30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	872.22	28.11
			<i>For Work In Restricted Working Space, Add</i>	16.87	
23 05 29 00-0486	EA		32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,062.55	30.93
			<i>For Work In Restricted Working Space, Add</i>	18.56	
23 05 29 00-0487	EA		33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,157.28	34.67
			<i>For Work In Restricted Working Space, Add</i>	20.81	
23 05 29 00-0488	EA		35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,635.00	38.42
			<i>For Work In Restricted Working Space, Add</i>	23.05	
23 05 29 00-0489	EA		36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	2,003.87	42.17
			<i>For Work In Restricted Working Space, Add</i>	25.30	
23 05 29 00-0490	EA		39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	2,396.30	45.92
			<i>For Work In Restricted Working Space, Add</i>	27.55	

**23 05 29 00-0491 Channel Mounted Cushion Clamp (23 05 29 00-0001)**

Note: Includes fastening into channel.

23 05 29 00-0492	EA		1/2" Channel Mounted Cushion Clamp For 3/8" Pipe (Cooper B-Line BVT050).....	12.51	4.22
23 05 29 00-0493	EA		5/8" Channel Mounted Cushion Clamp For 1/2" Pipe (Cooper B-Line BVT062).....	13.17	4.69
23 05 29 00-0494	EA		7/8" Channel Mounted Cushion Clamp For 3/4" Pipe (Cooper B-Line BVT087).....	14.87	4.92
23 05 29 00-0495	EA		1-1/8" Channel Mounted Cushion Clamp For 1" Pipe (Cooper B-Line BVT112).....	16.03	5.15
23 05 29 00-0496	EA		1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe (Cooper B-Line BVT137).....	18.03	5.63
23 05 29 00-0497	EA		1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe (Cooper B-Line BVT162).....	20.59	5.86
23 05 29 00-0498	EA		2-1/8" Channel Mounted Cushion Clamp For 2" Pipe (Cooper B-Line BVT212).....	27.34	6.09
23 05 29 00-0499	EA		2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe (Cooper B-Line BVT262).....	30.41	6.55
23 05 29 00-0500	EA		3-1/8" Channel Mounted Cushion Clamp For 3" Pipe (Cooper B-Line BVT312).....	37.96	7.49
23 05 29 00-0501	EA		4-1/8" Channel Mounted Cushion Clamp For 4" Pipe (Cooper B-Line BVT412).....	60.53	8.43

**23 05 29 00-0502 Galvanized Steel Cushion Tube Clamp (KMC) (23 05 29 00-0001)**

Note: Excludes fastening bolt and drilling if necessary.

23 05 29 00-0503	EA		1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe.....	3.42	
			Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0504	EA		1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe.....	3.52	
			Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0505	EA		5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe.....	3.58	
			Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0506	EA		5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe.....	3.74	
			Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0507	EA		7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe.....	3.55	
			Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0508	EA		7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe.....	3.83	
			Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0509	EA		1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe.....	3.66	
			Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0510	EA		1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe.....	4.00	
			Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0511	EA		1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe.....	4.01	
			Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0512	EA		1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe.....	3.81	
			Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0513	EA		1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe.....	3.97	
			Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0514	EA		1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe.....	4.45	
			Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0515	EA		1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe.....	3.98	
			Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0516	EA		1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe.....	4.29	
			Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0517	EA		1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe.....	4.81	
			Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0518	EA		2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe.....	4.85	
			Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0519	EA		2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe.....	5.13	
			Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0520	EA		2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe.....	5.69	
			Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0521	EA		2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe.....	5.86	
			Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0522	EA		2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe.....	6.70	
			Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

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MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 05 29 00-0523	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe..... Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw	6.76		
23 05 29 00-0524	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe..... Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw	6.03		
23 05 29 00-0525	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe..... Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw	6.70		
23 05 29 00-0526	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe..... Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw	7.10		
23 05 29 00-0527	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe..... Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw	6.25		
23 05 29 00-0528	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe..... Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw	6.65		
23 05 29 00-0529	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe..... Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw	8.22		
23 05 29 00-0530	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe..... Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	6.20		
23 05 29 00-0531	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe..... Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	6.79		
23 05 29 00-0532	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe..... Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	8.56		
23 05 29 00-0533		<b>Rooftop Pipe Supports</b> (23 05 29 00-0001) Note: Excludes pipe/conduit clamps and straps.			
23 05 29 00-0534		<b>Mechanical Supports (Pipe Pier®)</b> (23 05 29 00-0533) Note: Includes installation of support block. Excludes strut accessories.			
23 05 29 00-0535	EA	4" x 12" x 12", 150 LB Max Load, Support Block (Pipe Pier® 150).....	137.50		2.43
23 05 29 00-0536		<b>Rooftop Support Base</b> (23 05 29 00-0533)			
23 05 29 00-0537	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM).....	32.79		7.63
23 05 29 00-0538	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP).....	45.64		10.18
23 05 29 00-0539		<b>Rooftop Support Base With 14 Gauge Galvanized Channel</b> (23 05 29 00-0533)			
23 05 29 00-0540	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5).....	37.16		7.63
23 05 29 00-0541	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10).....	52.74		10.18
23 05 29 00-0542	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20).....	96.77		12.72
23 05 29 00-0543	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30).....	133.51		15.26
23 05 29 00-0544	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40).....	184.55		17.81
23 05 29 00-0545	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48).....	194.78		20.35
23 05 29 00-0546		<b>Rooftop Support Base With 12 Gauge Galvanized Channel</b> (23 05 29 00-0533)			
23 05 29 00-0547	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610).....	64.32		10.18
23 05 29 00-0548	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620).....	101.94		12.72
23 05 29 00-0549	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630).....	135.58		15.26
23 05 29 00-0550	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640).....	184.67		17.81
23 05 29 00-0551	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648).....	207.27		15.26
23 05 29 00-0552		<b>Rooftop Bridge Support Base With 12 Gauge Galvanized Channel</b> (23 05 29 00-0533)			
23 05 29 00-0553	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28).....	107.56		15.26
23 05 29 00-0554	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36).....	122.55		17.81
23 05 29 00-0555	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42).....	127.59		20.35
23 05 29 00-0556	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50).....	139.72		22.90
23 05 29 00-0557	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60).....	178.43		25.44
23 05 29 00-0558		<b>Rooftop Pipe Support Base And Rod</b> (23 05 29 00-0533)			
23 05 29 00-0559	EA	9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT).....	78.05		10.18
23 05 29 00-0560	EA	9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT).....	78.05		10.18
23 05 29 00-0561	EA	9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT).....	78.48		10.18
23 05 29 00-0562	EA	10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT).....	84.01		12.72
23 05 29 00-0563	EA	10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT).....	80.84		12.72
23 05 29 00-0564	EA	10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT).....	84.91		12.72
23 05 29 00-0565		<b>Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly</b> (23 05 29 00-0533)			
23 05 29 00-0566	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2).....	98.81		10.18
23 05 29 00-0567	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6).....	110.20		10.18
23 05 29 00-0568	EA	8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10).....	144.40		12.72
23 05 29 00-0569	EA	9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14).....	190.94		12.72
23 05 29 00-0570	EA	9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20).....	260.07		12.72

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0571		<b>Rooftop Support Base And Adjustable Height Roller Assembly</b> (23 05 29 00-0533) Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0572	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12).....	123.34	15.26
23 05 29 00-0573		<b>Rooftop Support Base And Adjustable Height Channel Assembly</b> (23 05 29 00-0533) Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0574	EA	Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8).....	81.05	12.72
23 05 29 00-0575	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12).....	110.32	15.26
23 05 29 00-0576	EA	Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16).....	123.08	17.81
23 05 29 00-0577		<b>Rooftop Support Bases With Channel Support And Risers Assembly</b> (23 05 29 00-0533) Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0578	EA	23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS).....	295.57	20.35
23 05 29 00-0579	EA	29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS).....	298.85	20.35
23 05 29 00-0580	EA	41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS).....	310.34	20.35
23 05 29 00-0581	EA	53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS).....	336.72	20.35
23 05 29 00-0582	EA	23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS).....	289.73	20.35
23 05 29 00-0583	EA	29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS).....	300.72	20.35
23 05 29 00-0584	EA	41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS).....	312.21	20.35
23 05 29 00-0585	EA	53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS).....	338.58	20.35
23 05 29 00-0586	EA	23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS).....	302.79	20.35
23 05 29 00-0587	EA	29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS).....	306.63	20.35
23 05 29 00-0588	EA	41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS).....	317.90	20.35
23 05 29 00-0589	EA	53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS).....	344.39	20.35
23 05 29 00-0590	EA	23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS).....	316.15	20.35
23 05 29 00-0591	EA	29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS).....	319.65	20.35
23 05 29 00-0592	EA	41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS).....	330.92	20.35
23 05 29 00-0593	EA	53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS).....	357.40	20.35
23 05 29 00-0594		<b>Threaded Rod, Accessories And Attachments</b> (23 05 29)		
23 05 29 00-0595		<b>Threaded Rod And Rod Accessories</b> (23 05 29 00-0594)		
23 05 29 00-0596		<b>Threaded Rod</b> (23 05 29 00-0595) Note: Fully threaded.		
23 05 29 00-0597	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... 3.29		0.64
		For Zinc Plated, Add ..... 0.58		
		For Galvanized, Add ..... 0.81		
		For Work In Restricted Working Space, Add ..... 0.38		
23 05 29 00-0598	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... 4.57		0.69
		For Zinc Plated, Add ..... 0.92		
		For Galvanized, Add ..... 1.29		
		For Work In Restricted Working Space, Add ..... 0.41		
23 05 29 00-0599	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... 6.39		0.71
		For Zinc Plated, Add ..... 1.42		
		For Galvanized, Add ..... 2.00		
		For Work In Restricted Working Space, Add ..... 0.42		
23 05 29 00-0600	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... 10.50		0.73
		For Zinc Plated, Add ..... 2.58		
		For Galvanized, Add ..... 3.62		
		For Work In Restricted Working Space, Add ..... 0.43		
23 05 29 00-0601	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... 11.45		0.75
		For Zinc Plated, Add ..... 2.84		
		For Galvanized, Add ..... 3.98		
		For Work In Restricted Working Space, Add ..... 0.45		
23 05 29 00-0602	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... 15.67		0.85
		For Zinc Plated, Add ..... 3.98		
		For Galvanized, Add ..... 5.59		
		For Work In Restricted Working Space, Add ..... 0.51		
23 05 29 00-0603	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... 19.53		0.94
		For Zinc Plated, Add ..... 5.03		
		For Galvanized, Add ..... 7.06		
		For Work In Restricted Working Space, Add ..... 0.57		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 05 29 00-0604		<b>Rod Couplings</b> (23 05 29 00-0595)			
23 05 29 00-0605	EA	3/8" Diameter, Threaded Rod Coupling Nut.....	7.84		
		<i>For Work In Restricted Working Space, Add</i>	1.88		
23 05 29 00-0606	EA	1/2" Diameter, Threaded Rod Coupling Nut.....	8.93		
		<i>For Work In Restricted Working Space, Add</i>	2.08		
23 05 29 00-0607	EA	5/8" Diameter, Threaded Rod Coupling Nut.....	11.33		
		<i>For Work In Restricted Working Space, Add</i>	2.34		
23 05 29 00-0608	EA	3/4" Diameter, Threaded Rod Coupling Nut.....	14.03		
		<i>For Work In Restricted Working Space, Add</i>	2.56		
23 05 29 00-0609	EA	7/8" Diameter, Threaded Rod Coupling Nut.....	21.20		
		<i>For Work In Restricted Working Space, Add</i>	2.81		
23 05 29 00-0610	EA	1" Diameter, Threaded Rod Coupling Nut.....	25.18		
		<i>For Work In Restricted Working Space, Add</i>	3.31		
23 05 29 00-0611	EA	1-1/8" Diameter, Threaded Rod Coupling Nut.....	49.94		
		<i>For Work In Restricted Working Space, Add</i>	3.75		
23 05 29 00-0612		<b>Flat Washers</b> (23 05 29 00-0595)			
		Note: Zinc plated.			
23 05 29 00-0613	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.56		0.20
		<i>For Galvanized, Add</i>	0.04		
		<i>For Work In Restricted Working Space, Add</i>	0.13		
23 05 29 00-0614	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.78		0.20
		<i>For Galvanized, Add</i>	0.08		
		<i>For Work In Restricted Working Space, Add</i>	0.14		
23 05 29 00-0615	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.14		0.30
		<i>For Galvanized, Add</i>	0.15		
		<i>For Work In Restricted Working Space, Add</i>	0.17		
23 05 29 00-0616	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.56		0.30
		<i>For Galvanized, Add</i>	0.21		
		<i>For Work In Restricted Working Space, Add</i>	0.22		
23 05 29 00-0617	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.84		0.40
		<i>For Galvanized, Add</i>	0.25		
		<i>For Work In Restricted Working Space, Add</i>	0.26		
23 05 29 00-0618	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.15		0.40
		<i>For Galvanized, Add</i>	0.30		
		<i>For Work In Restricted Working Space, Add</i>	0.28		
23 05 29 00-0619	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.43		0.50
		<i>For Galvanized, Add</i>	0.34		
		<i>For Work In Restricted Working Space, Add</i>	0.32		
23 05 29 00-0620		<b>Hex Nuts</b> (23 05 29 00-0595)			
		Note: Grade 2 and zinc plated.			
23 05 29 00-0621	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.68		0.25
		<i>For Galvanized, Add</i>	0.03		
		<i>For Work In Restricted Working Space, Add</i>	0.17		
23 05 29 00-0622	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.90		0.25
		<i>For Galvanized, Add</i>	0.07		
		<i>For Work In Restricted Working Space, Add</i>	0.19		
23 05 29 00-0623	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.25		0.25
		<i>For Galvanized, Add</i>	0.15		
		<i>For Work In Restricted Working Space, Add</i>	0.20		
23 05 29 00-0624	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.49		0.50
		<i>For Galvanized, Add</i>	0.20		
		<i>For Work In Restricted Working Space, Add</i>	0.21		
23 05 29 00-0625	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.22		0.50
		<i>For Galvanized, Add</i>	0.37		
		<i>For Work In Restricted Working Space, Add</i>	0.23		
23 05 29 00-0626	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.84		0.50
		<i>For Galvanized, Add</i>	0.50		
		<i>For Work In Restricted Working Space, Add</i>	0.26		
23 05 29 00-0627	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	4.70		0.50
		<i>For Galvanized, Add</i>	0.94		
		<i>For Work In Restricted Working Space, Add</i>	0.28		
23 05 29 00-0628		<b>Turnbuckle (Cooper B-Line B3202)</b> (23 05 29 00-0595)			
		Note: Type 13.			
23 05 29 00-0629	EA	3/8" Turnbuckle (Cooper B-Line B3202).....	29.62		5.09
		<i>For Work In Restricted Working Space, Add</i>	3.05		
23 05 29 00-0630	EA	1/2" Turnbuckle (Cooper B-Line B3202).....	35.48		5.59
		<i>For Work In Restricted Working Space, Add</i>	3.39		
23 05 29 00-0631	EA	5/8" Turnbuckle (Cooper B-Line B3202).....	38.00		6.11
		<i>For Work In Restricted Working Space, Add</i>	3.82		
23 05 29 00-0632	EA	3/4" Turnbuckle (Cooper B-Line B3202).....	48.39		7.13
		<i>For Work In Restricted Working Space, Add</i>	4.36		
23 05 29 00-0633	EA	7/8" Turnbuckle (Cooper B-Line B3202).....	63.37		7.63
		<i>For Work In Restricted Working Space, Add</i>	5.09		
23 05 29 00-0634	EA	1" Turnbuckle (Cooper B-Line B3202).....	78.93		8.15
		<i>For Work In Restricted Working Space, Add</i>	6.11		
23 05 29 00-0635	EA	1-1/8" Turnbuckle (Cooper B-Line B3202).....	110.59		9.17
		<i>For Work In Restricted Working Space, Add</i>	7.64		
23 05 29 00-0636		<b>Swivel Turnbuckle (Cooper B-Line B3224)</b> (23 05 29 00-0595)			
		Note: Type 15.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0637	EA		3/8" Swivel Turnbuckle (Cooper B-Line B3224)..... <i>For Work In Restricted Working Space, Add</i>	17.34 3.05	5.09
23 05 29 00-0638	EA		1/2" Swivel Turnbuckle (Cooper B-Line B3224)..... <i>For Work In Restricted Working Space, Add</i>	20.24 3.39	5.69
23 05 29 00-0639	EA		5/8" Swivel Turnbuckle (Cooper B-Line B3224)..... <i>For Work In Restricted Working Space, Add</i>	27.70 3.82	6.31
23 05 29 00-0640	EA		3/4" Swivel Turnbuckle (Cooper B-Line B3224)..... <i>For Work In Restricted Working Space, Add</i>	33.81 4.36	7.23
<b>23 05 29 00-0641</b>			<b>Forged Steel Clevis (Cooper B-Line B3201)</b> <small>(23 05 29 00-0595)</small> Note: Type 14.		
23 05 29 00-0642	EA		3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	104.57 5.63	9.37
23 05 29 00-0643	EA		4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	157.28 5.92	9.84
23 05 29 00-0644	EA		5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	170.32 6.25	10.31
23 05 29 00-0645	EA		5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	177.22 6.62	11.24
23 05 29 00-0646	EA		5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	185.84 7.50	12.66
23 05 29 00-0647	EA		6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	313.07 9.84	16.40
23 05 29 00-0648	EA		5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	339.08 11.24	18.75
23 05 29 00-0649	EA		7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	398.71 14.06	23.43
<b>23 05 29 00-0650</b>			<b>Welded Eye Rod (Cooper B-Line B3211)</b> <small>(23 05 29 00-0595)</small>		
23 05 29 00-0651	EA		3/8" Diameter x 8" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	29.11 3.31	5.49
23 05 29 00-0652	EA		3/8" Diameter x 10" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	30.10 3.37	5.59
23 05 29 00-0653	EA		3/8" Diameter x 12" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	31.09 3.44	5.69
23 05 29 00-0654	EA		3/8" Diameter x 14" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	31.30 3.50	5.80
23 05 29 00-0655	EA		3/8" Diameter x 18" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	33.27 3.62	6.01
23 05 29 00-0656	EA		3/8" Diameter x 24" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	35.51 3.82	6.41
23 05 29 00-0657	EA		3/8" Diameter x 30" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	36.92 4.01	6.71
23 05 29 00-0658	EA		3/8" Diameter x 36" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	39.92 4.20	7.02
23 05 29 00-0659	EA		3/8" Diameter x 42" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	42.12 4.39	7.33
23 05 29 00-0660	EA		3/8" Diameter x 48" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	44.33 4.58	7.63
23 05 29 00-0661	EA		1/2" Diameter x 8" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	39.69 3.66	6.11
23 05 29 00-0662	EA		1/2" Diameter x 10" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	40.69 3.73	6.21
23 05 29 00-0663	EA		1/2" Diameter x 12" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	41.72 3.80	6.31
23 05 29 00-0664	EA		1/2" Diameter x 14" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	42.73 3.86	6.41
23 05 29 00-0665	EA		1/2" Diameter x 18" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	44.75 4.00	6.61
23 05 29 00-0666	EA		1/2" Diameter x 24" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	48.56 4.20	7.03
23 05 29 00-0667	EA		1/2" Diameter x 30" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	51.61 4.41	7.33
23 05 29 00-0668	EA		1/2" Diameter x 36" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	55.42 4.61	7.63
23 05 29 00-0669	EA		1/2" Diameter x 42" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	58.43 4.81	8.05
23 05 29 00-0670	EA		1/2" Diameter x 48" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	61.49 5.02	8.35
23 05 29 00-0671	EA		5/8" Diameter x 8" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	54.50 4.10	6.82
23 05 29 00-0672	EA		5/8" Diameter x 10" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	56.28 4.17	6.93
23 05 29 00-0673	EA		5/8" Diameter x 12" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	58.11 4.24	7.03
23 05 29 00-0674	EA		5/8" Diameter x 14" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	59.14 4.31	7.23
23 05 29 00-0675	EA		5/8" Diameter x 18" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	61.95 4.45	7.43
23 05 29 00-0676	EA		5/8" Diameter x 24" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	66.59 4.66	7.73
23 05 29 00-0677	EA		5/8" Diameter x 30" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	71.20 4.87	8.15
23 05 29 00-0678	EA		5/8" Diameter x 36" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	75.04 5.08	8.45

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0679	EA		5/8" Diameter x 42" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	79.68 5.30	8.85
23 05 29 00-0680	EA		5/8" Diameter x 48" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	84.29 5.50	9.17
23 05 29 00-0681	EA		3/4" Diameter x 8" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	67.35 4.66	7.73
23 05 29 00-0682	EA		3/4" Diameter x 10" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	69.95 4.73	7.83
23 05 29 00-0683	EA		3/4" Diameter x 12" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	71.75 4.80	8.05
23 05 29 00-0684	EA		3/4" Diameter x 14" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	74.34 4.87	8.15
23 05 29 00-0685	EA		3/4" Diameter x 18" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	78.76 5.02	8.35
23 05 29 00-0686	EA		3/4" Diameter x 24" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	84.95 5.23	8.75
23 05 29 00-0687	EA		3/4" Diameter x 30" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	91.18 5.45	9.06
23 05 29 00-0688	EA		3/4" Diameter x 36" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	98.20 5.67	9.47
23 05 29 00-0689	EA		3/4" Diameter x 42" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	105.17 5.88	9.77
23 05 29 00-0690	EA		3/4" Diameter x 48" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	111.40 6.10	10.18
23 05 29 00-0691	EA		7/8" Diameter x 8" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	80.81 5.40	8.95
23 05 29 00-0692	EA		7/8" Diameter x 10" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	84.20 5.48	9.17
23 05 29 00-0693	EA		7/8" Diameter x 12" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	86.81 5.55	9.27
23 05 29 00-0694	EA		7/8" Diameter x 14" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	89.41 5.63	9.37
23 05 29 00-0695	EA		7/8" Diameter x 18" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	94.65 5.78	9.67
23 05 29 00-0696	EA		7/8" Diameter x 24" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	103.23 6.00	9.97
23 05 29 00-0697	EA		7/8" Diameter x 30" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	111.05 6.23	10.39
23 05 29 00-0698	EA		7/8" Diameter x 36" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	119.65 6.46	10.79
23 05 29 00-0699	EA		7/8" Diameter x 42" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	127.47 6.68	11.09
23 05 29 00-0700	EA		7/8" Diameter x 48" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	135.30 6.91	11.50
23 05 29 00-0701	EA		1" Diameter x 8" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	101.57 6.45	10.79
23 05 29 00-0702	EA		1" Diameter x 10" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	104.99 6.53	10.89
23 05 29 00-0703	EA		1" Diameter x 12" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	108.43 6.62	10.99
23 05 29 00-0704	EA		1" Diameter x 14" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	111.84 6.70	11.20
23 05 29 00-0705	EA		1" Diameter x 18" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	118.67 6.87	11.50
23 05 29 00-0706	EA		1" Diameter x 24" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	128.95 7.13	11.91
23 05 29 00-0707	EA		1" Diameter x 30" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	139.24 7.38	12.32
23 05 29 00-0708	EA		1" Diameter x 36" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	150.25 7.64	12.72
23 05 29 00-0709	EA		1" Diameter x 42" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	160.53 7.89	13.13
23 05 29 00-0710	EA		1" Diameter x 48" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	170.82 8.15	13.54
<b>23 05 29 00-0711</b>			<b>Welded Linked Eye Rod (Cooper B-Line B3211X) (23 05 29 00-0595)</b>		
23 05 29 00-0712	EA		3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	63.56 4.48	7.43
23 05 29 00-0713	EA		3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	65.27 4.60	7.63
23 05 29 00-0714	EA		3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	66.98 4.73	7.93
23 05 29 00-0715	EA		3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	67.62 4.92	8.24
23 05 29 00-0716	EA		3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	70.85 5.11	8.55
23 05 29 00-0717	EA		3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	74.78 5.49	9.16
23 05 29 00-0718	EA		3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	77.33 5.87	9.77
23 05 29 00-0719	EA		3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	82.56 6.26	10.48
23 05 29 00-0720	EA		1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	83.08 4.95	8.25
23 05 29 00-0721	EA		1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	84.82 5.09	8.45
23 05 29 00-0722	EA		1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	86.62 5.22	8.65



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0723	EA		1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	88.60 5.42	9.06
23 05 29 00-0724	EA		1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	91.87 5.63	9.37
23 05 29 00-0725	EA		1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	98.47 6.03	10.07
23 05 29 00-0726	EA		1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	103.76 6.44	10.69
23 05 29 00-0727	EA		1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	110.35 6.84	11.40
23 05 29 00-0728	EA		5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	112.42 5.52	9.17
23 05 29 00-0729	EA		5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	115.48 5.67	9.47
23 05 29 00-0730	EA		5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	118.59 5.81	9.67
23 05 29 00-0731	EA		5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	120.61 6.02	10.07
23 05 29 00-0732	EA		5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	125.24 6.23	10.39
23 05 29 00-0733	EA		5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	133.18 6.65	11.09
23 05 29 00-0734	EA		5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	141.11 7.07	11.81
23 05 29 00-0735	EA		5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	147.75 7.49	12.52
23 05 29 00-0736	EA		3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	142.96 6.26	10.39
23 05 29 00-0737	EA		3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	147.42 6.40	10.69
23 05 29 00-0738	EA		3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	150.49 6.55	10.89
23 05 29 00-0739	EA		3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	155.13 6.76	11.30
23 05 29 00-0740	EA		3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	162.40 6.98	11.61
23 05 29 00-0741	EA		3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	172.97 7.41	12.32
23 05 29 00-0742	EA		3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	183.59 7.85	13.03
23 05 29 00-0743	EA		3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	195.52 8.28	13.84
23 05 29 00-0744	EA		7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	172.04 7.23	12.01
23 05 29 00-0745	EA		7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	177.78 7.38	12.32
23 05 29 00-0746	EA		7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	182.22 7.54	12.52
23 05 29 00-0747	EA		7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	186.88 7.76	12.93
23 05 29 00-0748	EA		7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	195.52 7.99	13.34
23 05 29 00-0749	EA		7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	210.09 8.44	14.05
23 05 29 00-0750	EA		7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	223.36 8.89	14.86
23 05 29 00-0751	EA		7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	237.95 9.34	15.58
23 05 29 00-0752	EA		1" Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	219.81 8.62	14.36
23 05 29 00-0753	EA		1" Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	225.62 8.79	14.66
23 05 29 00-0754	EA		1" Diameter x 24" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	231.42 8.96	14.96
23 05 29 00-0755	EA		1" Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	237.51 9.21	15.37
23 05 29 00-0756	EA		1" Diameter x 36" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	248.78 9.47	15.78
23 05 29 00-0757	EA		1" Diameter x 48" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	266.20 9.98	16.60
23 05 29 00-0758	EA		1" Diameter x 60" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	283.64 10.49	17.50
23 05 29 00-0759	EA		1" Diameter x 72" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	302.25 10.99	18.32
23 05 29 00-0760	<b>Attachments</b> <small>(23 05 29 00-0594)</small>				
23 05 29 00-0761	<b>Welded Beam Attachments (B-Line B-3083)</b> <small>(23 05 29 00-0760)</small>				
	Note: Type 22.				
23 05 29 00-0762	EA		3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) <i>For Work In Restricted Working Space, Add</i>	41.89 5.71	9.50
23 05 29 00-0763	EA		1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) <i>For Work In Restricted Working Space, Add</i>	44.68 6.01	9.99
23 05 29 00-0764	EA		5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) <i>For Work In Restricted Working Space, Add</i>	47.58 6.34	10.56
23 05 29 00-0765	EA		3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) <i>For Work In Restricted Working Space, Add</i>	60.68 6.72	11.23

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

HUMBOLDT STATE UNIVERSITY

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 05 29 00-0766	EA	7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) .....	72.78		11.89
		<i>For Work In Restricted Working Space, Add</i>	7.13		
23 05 29 00-0767	EA	1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) .....	101.99		13.60
		<i>For Work In Restricted Working Space, Add</i>	8.15		
23 05 29 00-0768	EA	1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) .....	144.36		14.27
		<i>For Work In Restricted Working Space, Add</i>	8.56		
<b>23 05 29 00-0769</b>		<b>C-Clamp Style Beam Clamps (B-Line B-3034) (23 05 29 00-0760)</b>			
		Note: Type 23. Top or bottom flange mount.			
23 05 29 00-0770	EA	3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034) .....	15.52		5.19
		<i>For Work In Restricted Working Space, Add</i>	3.82		
23 05 29 00-0771	EA	1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034) .....	18.41		6.61
		<i>For Work In Restricted Working Space, Add</i>	4.07		
23 05 29 00-0772	EA	5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034) .....	20.84		7.13
		<i>For Work In Restricted Working Space, Add</i>	4.36		
23 05 29 00-0773	EA	3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034) .....	26.58		7.63
		<i>For Work In Restricted Working Space, Add</i>	4.70		
23 05 29 00-0774	EA	7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034) .....	38.19		8.15
		<i>For Work In Restricted Working Space, Add</i>	5.09		
<b>23 05 29 00-0775</b>		<b>Bottom Mount I-Beam Clamps (B-Line B-3055) (23 05 29 00-0760)</b>			
		Note: Type 21. For attaching threaded rod centered under beam flanges.			
23 05 29 00-0776	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055) .....	41.51		7.13
		<i>For Work In Restricted Working Space, Add</i>	5.09		
23 05 29 00-0777	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055) .....	60.59		9.17
		<i>For Work In Restricted Working Space, Add</i>	5.55		
23 05 29 00-0778	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055) .....	86.15		10.18
		<i>For Work In Restricted Working Space, Add</i>	6.11		
23 05 29 00-0779	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055) .....	103.00		11.20
		<i>For Work In Restricted Working Space, Add</i>	6.79		
23 05 29 00-0780	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055) .....	247.36		12.21
		<i>For Work In Restricted Working Space, Add</i>	7.64		
<b>23 05 29 00-0781</b>		<b>Steel U-Bolts (B-Line B-3188) (23 05 29 00-0760)</b>			
		Note: Type 24. Includes plate and nuts.			
23 05 29 00-0782	EA	1/2" Pipe Size, Steel U-Bolt (B-Line B-3188) .....	12.64		2.54
		<i>For Work In Restricted Working Space, Add</i>	3.05		
23 05 29 00-0783	EA	3/4" Pipe Size, Steel U-Bolt (B-Line B-3188) .....	13.69		3.05
		<i>For Work In Restricted Working Space, Add</i>	3.21		
23 05 29 00-0784	EA	1" Pipe Size, Steel U-Bolt (B-Line B-3188) .....	14.72		3.05
		<i>For Work In Restricted Working Space, Add</i>	3.39		
23 05 29 00-0785	EA	1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188) .....	16.67		3.05
		<i>For Work In Restricted Working Space, Add</i>	3.59		
23 05 29 00-0786	EA	1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188) .....	17.24		3.56
		<i>For Work In Restricted Working Space, Add</i>	3.82		
23 05 29 00-0787	EA	2" Pipe Size, Steel U-Bolt (B-Line B-3188) .....	18.45		3.56
		<i>For Work In Restricted Working Space, Add</i>	4.07		
23 05 29 00-0788	EA	2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188) .....	26.22		3.56
		<i>For Work In Restricted Working Space, Add</i>	4.36		
23 05 29 00-0789	EA	3" Pipe Size, Steel U-Bolt (B-Line B-3188) .....	28.89		4.07
		<i>For Work In Restricted Working Space, Add</i>	4.70		
23 05 29 00-0790	EA	4" Pipe Size, Steel U-Bolt (B-Line B-3188) .....	34.77		4.58
		<i>For Work In Restricted Working Space, Add</i>	5.09		
<b>23 05 29 00-0791</b>		<b>Copper Standoff Brackets With Flange (23 05 29 00-0760)</b>			
		Note: Installed in wood, concrete, concrete block or steel.			
23 05 29 00-0792	EA	Clamp Size 1/2", Copper Standoff Brackets With Flange .....	31.31		14.56
		<i>For Work In Restricted Working Space, Add</i>	8.72		
23 05 29 00-0793	EA	Clamp Size 3/4", Copper Standoff Brackets With Flange .....	31.44		14.56
		<i>For Work In Restricted Working Space, Add</i>	8.72		
23 05 29 00-0794	EA	Clamp Size 1", Copper Standoff Brackets With Flange .....	31.58		14.56
		<i>For Work In Restricted Working Space, Add</i>	8.72		
23 05 29 00-0795	EA	Clamp Size 1 1/4", Copper Standoff Brackets With Flange .....	33.61		15.48
		<i>For Work In Restricted Working Space, Add</i>	9.25		
23 05 29 00-0796	EA	Clamp Size 1 1/2", Copper Standoff Brackets With Flange .....	33.88		15.48
		<i>For Work In Restricted Working Space, Add</i>	9.25		
<b>23 05 29 00-0797</b>		<b>Malleable Iron Eye Sockets (B-Line B-3222) (23 05 29 00-0760)</b>			
		Note: Type 16.			
23 05 29 00-0798	EA	3/8" Rod Size, Malleable Iron Eye Socket .....	9.28		1.52
		<i>For Work In Restricted Working Space, Add</i>	0.93		
23 05 29 00-0799	EA	1/2" Rod Size, Malleable Iron Eye Socket .....	11.84		2.04
		<i>For Work In Restricted Working Space, Add</i>	1.22		
23 05 29 00-0800	EA	5/8" Rod Size, Malleable Iron Eye Socket .....	20.05		2.04
		<i>For Work In Restricted Working Space, Add</i>	1.23		
23 05 29 00-0801	EA	3/4" Rod Size, Malleable Iron Eye Socket .....	28.10		2.04
		<i>For Work In Restricted Working Space, Add</i>	1.22		
23 05 29 00-0802	EA	7/8" Rod Size, Malleable Iron Eye Socket .....	30.41		2.54
		<i>For Work In Restricted Working Space, Add</i>	1.53		
<b>23 05 29 00-0803</b>		<b>Steel Weldless Eye Nuts (B-Line B-3200) (23 05 29 00-0760)</b>			
		Note: Type 17.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0804	EA		3/8" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	29.53 0.93	1.52
23 05 29 00-0805	EA		1/2" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	30.51 1.22	2.04
23 05 29 00-0806	EA		5/8" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	30.55 1.23	2.04
23 05 29 00-0807	EA		3/4" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	30.51 1.22	2.04
23 05 29 00-0808	EA		7/8" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	59.14 1.37	2.24
23 05 29 00-0809	EA		1" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	59.65 1.53	2.54
<b>23 05 29 00-0810 Top Mount I-Beam Clamps (B-Line B-3042) (23 05 29 00-0760)</b>					
Note: For attaching threaded rod to either side of an I-beam.					
23 05 29 00-0811	EA		3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	20.73 2.85	4.76
23 05 29 00-0812	EA		1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	24.86 3.15	5.23
23 05 29 00-0813	EA		5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	30.00 3.46	5.71
23 05 29 00-0814	EA		3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	40.87 3.64	6.18
23 05 29 00-0815	EA		7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	62.32 4.28	7.13
23 05 29 00-0816	EA		3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	21.77 2.85	4.76
23 05 29 00-0817	EA		1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	26.33 3.15	5.23
23 05 29 00-0818	EA		5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	30.00 3.46	5.71
23 05 29 00-0819	EA		3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	44.74 3.64	6.18
23 05 29 00-0820	EA		7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	68.94 4.28	7.13
23 05 29 00-0821	EA		3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	24.19 2.85	4.76
23 05 29 00-0822	EA		1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	29.05 3.15	5.23
23 05 29 00-0823	EA		5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	36.39 3.46	5.71
23 05 29 00-0824	EA		3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	51.99 3.64	6.18
23 05 29 00-0825	EA		7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	83.10 4.28	7.13
<b>23 05 29 00-0826 Side Beam Brackets (B-Line B-3062) (23 05 29 00-0760)</b>					
Note: Type 34.					
23 05 29 00-0827	EA		3/8" Rod Size, Side Beam Bracket..... <i>For Work In Restricted Working Space, Add</i>	17.24 3.82	6.61
23 05 29 00-0828	EA		1/2" Rod Size, Side Beam Bracket..... <i>For Work In Restricted Working Space, Add</i>	20.28 4.07	6.61
23 05 29 00-0829	EA		5/8" Rod Size, Side Beam Bracket..... <i>For Work In Restricted Working Space, Add</i>	25.98 4.36	7.13
23 05 29 00-0830	EA		3/4" Rod Size, Side Beam Bracket..... <i>For Work In Restricted Working Space, Add</i>	45.25 4.70	7.63
23 05 29 00-0831	EA		7/8" Rod Size, Side Beam Bracket..... <i>For Work In Restricted Working Space, Add</i>	52.86 5.09	8.65
<b>23 05 29 00-0832 Hex Lag Bolts (23 05 29 00-0760)</b>					
Note: Also known as coach screws.					
23 05 29 00-0833	EA		3/8" x 3-1/2" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	2.80 0.64	
23 05 29 00-0834	EA		3/8" x 4" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	2.94 0.66	
23 05 29 00-0835	EA		3/8" x 6" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	3.34 0.68	
23 05 29 00-0836	EA		3/8" x 8" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	4.10 0.71	
23 05 29 00-0837	EA		3/8" x 10" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	4.38 0.74	
23 05 29 00-0838	EA		3/8" x 12" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	5.29 0.76	
23 05 29 00-0839	EA		1/2" x 3-1/2" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	3.86 0.76	
23 05 29 00-0840	EA		1/2" x 4" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	4.08 0.80	
23 05 29 00-0841	EA		1/2" x 6" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	4.80 0.83	
23 05 29 00-0842	EA		1/2" x 8" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	5.63 0.87	
23 05 29 00-0843	EA		1/2" x 10" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	6.71 0.91	
23 05 29 00-0844	EA		1/2" x 12" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	7.21 0.95	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 05 29 00-0845	EA	5/8" x 4" Long, Hex Lag Bolt	5.38		
		<i>For Work In Restricted Working Space, Add</i>	0.85		
23 05 29 00-0846	EA	3/4" x 5" Long, Hex Lag Bolt	6.34		
		<i>For Work In Restricted Working Space, Add</i>	0.87		
<b>23 05 29 00-0847</b>		<b>Hanger Strap</b> (23 05 29 00-0594)			
23 05 29 00-0848	LF	3/4" Wide x 0.025" Thick Galvanized Hanger Strap	4.88		
<b>23 05 29 00-0849</b>		<b>Shields And Saddles</b> (23 05 29)			
<b>23 05 29 00-0850</b>		<b>Insulation Protection Shield</b> (23 05 29 00-0849)			
		Note: Type 40.			
<b>23 05 29 00-0851</b>		<b>Insulation Protection Shield (Cooper B-Line B3151)</b> (23 05 29 00-0850)			
23 05 29 00-0852	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	16.22	2.44	
		<i>For Work In Restricted Working Space, Add</i>	2.45		
23 05 29 00-0853	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	16.47	2.47	
		<i>For Work In Restricted Working Space, Add</i>	2.48		
23 05 29 00-0854	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	16.91	2.50	
		<i>For Work In Restricted Working Space, Add</i>	2.51		
23 05 29 00-0855	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	17.78	2.53	
		<i>For Work In Restricted Working Space, Add</i>	2.54		
23 05 29 00-0856	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	19.88	2.59	
		<i>For Work In Restricted Working Space, Add</i>	2.60		
23 05 29 00-0857	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	24.79	2.66	
		<i>For Work In Restricted Working Space, Add</i>	2.66		
23 05 29 00-0858	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	29.22	2.72	
		<i>For Work In Restricted Working Space, Add</i>	2.72		
23 05 29 00-0859	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	36.29	2.78	
		<i>For Work In Restricted Working Space, Add</i>	2.78		
23 05 29 00-0860	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	47.37	2.81	
		<i>For Work In Restricted Working Space, Add</i>	2.81		
23 05 29 00-0861	EA	14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	51.82	2.84	
		<i>For Work In Restricted Working Space, Add</i>	2.84		
23 05 29 00-0862	EA	16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	72.40	2.87	
		<i>For Work In Restricted Working Space, Add</i>	2.87		
23 05 29 00-0863	EA	18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	81.67	2.90	
		<i>For Work In Restricted Working Space, Add</i>	2.90		
23 05 29 00-0864	EA	20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	154.03	2.93	
		<i>For Work In Restricted Working Space, Add</i>	2.93		
23 05 29 00-0865	EA	24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	167.63	2.99	
		<i>For Work In Restricted Working Space, Add</i>	2.99		
23 05 29 00-0866	EA	30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	203.19	3.06	
		<i>For Work In Restricted Working Space, Add</i>	3.05		
<b>23 05 29 00-0867</b>		<b>Insulation Protection Shield (Cooper B-Line B3154)</b> (23 05 29 00-0850)			
23 05 29 00-0868	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	14.01	2.44	
		<i>For Work In Restricted Working Space, Add</i>	2.45		
23 05 29 00-0869	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	14.21	2.47	
		<i>For Work In Restricted Working Space, Add</i>	2.48		
23 05 29 00-0870	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	14.55	2.50	
		<i>For Work In Restricted Working Space, Add</i>	2.51		
23 05 29 00-0871	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	15.22	2.53	
		<i>For Work In Restricted Working Space, Add</i>	2.54		
23 05 29 00-0872	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	16.80	2.59	
		<i>For Work In Restricted Working Space, Add</i>	2.60		
23 05 29 00-0873	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	20.41	2.66	
		<i>For Work In Restricted Working Space, Add</i>	2.66		
23 05 29 00-0874	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	22.08	2.72	
		<i>For Work In Restricted Working Space, Add</i>	2.72		
23 05 29 00-0875	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	28.86	2.78	
		<i>For Work In Restricted Working Space, Add</i>	2.78		
23 05 29 00-0876	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	35.17	2.81	
		<i>For Work In Restricted Working Space, Add</i>	2.81		
<b>23 05 29 00-0877</b>		<b>Pipe Covering Protection Saddle</b> (23 05 29 00-0849)			
		Note: Sizes are pipe sizes.			
<b>23 05 29 00-0878</b>		<b>Saddle, For 1" Insulation (Cooper B-Line B3160)</b> (23 05 29 00-0877)			
23 05 29 00-0879	EA	3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.34	3.37	
		<i>For Work In Restricted Working Space, Add</i>	3.37		
23 05 29 00-0880	EA	1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.43	3.40	
		<i>For Work In Restricted Working Space, Add</i>	3.40		
23 05 29 00-0881	EA	1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.52	3.43	
		<i>For Work In Restricted Working Space, Add</i>	3.42		
23 05 29 00-0882	EA	1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	26.91	3.48	
		<i>For Work In Restricted Working Space, Add</i>	3.48		
23 05 29 00-0883	EA	2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	27.00	3.51	
		<i>For Work In Restricted Working Space, Add</i>	3.51		
23 05 29 00-0884	EA	2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	27.96	3.56	
		<i>For Work In Restricted Working Space, Add</i>	3.57		
23 05 29 00-0885	EA	3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	31.48	3.62	
		<i>For Work In Restricted Working Space, Add</i>	3.62		
23 05 29 00-0886	EA	4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	35.78	3.68	
		<i>For Work In Restricted Working Space, Add</i>	3.68		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0887	EA		6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)..... <i>For Work In Restricted Working Space, Add</i>	40.62 3.80	3.80
23 05 29 00-0888	EA		8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)..... <i>For Work In Restricted Working Space, Add</i>	50.22 3.94	3.94
23 05 29 00-0889	EA		10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)..... <i>For Work In Restricted Working Space, Add</i>	56.60 4.00	3.99
23 05 29 00-0890	EA		12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)..... <i>For Work In Restricted Working Space, Add</i>	67.83 4.08	3.99
23 05 29 00-0891	EA		14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)..... <i>For Work In Restricted Working Space, Add</i>	74.42 4.14	4.14
<b>23 05 29 00-0892</b>			<b>Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) (23 05 29 00-0877)</b>		
23 05 29 00-0893	EA		3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	29.09 3.37	3.37
23 05 29 00-0894	EA		1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	29.18 3.40	3.40
23 05 29 00-0895	EA		1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	29.27 3.42	3.43
23 05 29 00-0896	EA		1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	30.42 3.48	3.48
23 05 29 00-0897	EA		2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	33.11 3.51	3.51
23 05 29 00-0898	EA		2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	35.91 3.57	3.56
23 05 29 00-0899	EA		3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	36.52 3.62	3.62
23 05 29 00-0900	EA		4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	41.98 3.68	3.62
23 05 29 00-0901	EA		6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	47.64 3.80	3.80
23 05 29 00-0902	EA		8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	57.10 3.94	3.94
23 05 29 00-0903	EA		10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	64.74 4.00	3.99
23 05 29 00-0904	EA		12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	77.87 4.08	4.08
23 05 29 00-0905	EA		14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	85.69 4.14	4.14
<b>23 05 29 00-0906</b>			<b>Saddle, For 2" Insulation (Cooper B-Line B3162) (23 05 29 00-0877)</b>		
23 05 29 00-0907	EA		3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	31.20 3.54	3.54
23 05 29 00-0908	EA		1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	31.30 3.57	3.56
23 05 29 00-0909	EA		1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	33.16 3.60	3.59
23 05 29 00-0910	EA		1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	34.22 3.65	3.65
23 05 29 00-0911	EA		2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	35.20 3.68	3.68
23 05 29 00-0912	EA		2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	35.39 3.74	3.75
23 05 29 00-0913	EA		3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	37.59 3.80	3.81
23 05 29 00-0914	EA		4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	39.81 3.86	3.86
23 05 29 00-0915	EA		6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	51.90 4.00	3.98
23 05 29 00-0916	EA		8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	59.33 4.14	4.14
23 05 29 00-0917	EA		10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	62.48 4.19	4.20
23 05 29 00-0918	EA		12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	86.06 4.28	4.28
23 05 29 00-0919	EA		14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	95.81 4.34	4.35
23 05 29 00-0920	EA		16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	105.76 4.45	4.45
23 05 29 00-0921	EA		18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	115.70 4.57	4.57
23 05 29 00-0922	EA		20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	127.30 4.68	4.68
23 05 29 00-0923	EA		24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	146.51 4.79	4.79
<b>23 05 29 00-0924</b>			<b>Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) (23 05 29 00-0877)</b>		
23 05 29 00-0925	EA		1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	35.32 3.68	3.68
23 05 29 00-0926	EA		1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	37.48 3.74	3.74
23 05 29 00-0927	EA		2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	38.57 3.77	3.78
23 05 29 00-0928	EA		2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	39.73 3.82	3.83

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

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23 05 29 00-0929	EA	3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	40.02	3.90
		<i>For Work In Restricted Working Space, Add</i>	3.91	
23 05 29 00-0930	EA	4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	47.28	3.96
		<i>For Work In Restricted Working Space, Add</i>	3.97	
23 05 29 00-0931	EA	6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	54.74	4.08
		<i>For Work In Restricted Working Space, Add</i>	4.08	
23 05 29 00-0932	EA	8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	64.45	4.24
		<i>For Work In Restricted Working Space, Add</i>	4.22	
23 05 29 00-0933	EA	10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	69.37	4.30
		<i>For Work In Restricted Working Space, Add</i>	4.31	
23 05 29 00-0934	EA	12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	88.28	4.38
		<i>For Work In Restricted Working Space, Add</i>	4.40	
23 05 29 00-0935	EA	14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	105.84	4.45
		<i>For Work In Restricted Working Space, Add</i>	4.45	
23 05 29 00-0936	EA	16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	123.59	4.55
		<i>For Work In Restricted Working Space, Add</i>	4.57	
23 05 29 00-0937	EA	18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	131.52	4.67
		<i>For Work In Restricted Working Space, Add</i>	4.68	
23 05 29 00-0938	EA	20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	140.36	4.79
		<i>For Work In Restricted Working Space, Add</i>	4.79	
23 05 29 00-0939	EA	24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	149.20	4.91
		<i>For Work In Restricted Working Space, Add</i>	4.91	

**23 05 29 00-0940 Saddle, For 3" Insulation (Cooper B-Line B3164) (23 05 29 00-0877)**

23 05 29 00-0941	EA	2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	39.96	3.86
		<i>For Work In Restricted Working Space, Add</i>	3.86	
23 05 29 00-0942	EA	2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	43.96	3.93
		<i>For Work In Restricted Working Space, Add</i>	3.94	
23 05 29 00-0943	EA	3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	46.03	3.98
		<i>For Work In Restricted Working Space, Add</i>	4.00	
23 05 29 00-0944	EA	4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	48.08	4.05
		<i>For Work In Restricted Working Space, Add</i>	4.05	
23 05 29 00-0945	EA	6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	55.92	4.18
		<i>For Work In Restricted Working Space, Add</i>	4.17	
23 05 29 00-0946	EA	8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	71.42	4.33
		<i>For Work In Restricted Working Space, Add</i>	4.34	
23 05 29 00-0947	EA	10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	77.84	4.39
		<i>For Work In Restricted Working Space, Add</i>	4.40	
23 05 29 00-0948	EA	12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	103.11	4.49
		<i>For Work In Restricted Working Space, Add</i>	4.48	
23 05 29 00-0949	EA	14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	124.27	4.55
		<i>For Work In Restricted Working Space, Add</i>	4.57	
23 05 29 00-0950	EA	16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	145.43	4.66
		<i>For Work In Restricted Working Space, Add</i>	4.65	
23 05 29 00-0951	EA	18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	148.14	4.78
		<i>For Work In Restricted Working Space, Add</i>	4.79	
23 05 29 00-0952	EA	20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	150.77	4.90
		<i>For Work In Restricted Working Space, Add</i>	4.91	
23 05 29 00-0953	EA	24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	193.17	5.03
		<i>For Work In Restricted Working Space, Add</i>	5.03	

**23 05 29 00-0954 Saddle, For 4" Insulation (Cooper B-Line B3165) (23 05 29 00-0877)**

23 05 29 00-0955	EA	2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	45.65	3.95
		<i>For Work In Restricted Working Space, Add</i>	3.94	
23 05 29 00-0956	EA	2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	50.41	4.01
		<i>For Work In Restricted Working Space, Add</i>	4.02	
23 05 29 00-0957	EA	3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	52.84	4.08
		<i>For Work In Restricted Working Space, Add</i>	4.08	
23 05 29 00-0958	EA	4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	55.39	4.14
		<i>For Work In Restricted Working Space, Add</i>	4.14	
23 05 29 00-0959	EA	6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	68.76	4.27
		<i>For Work In Restricted Working Space, Add</i>	4.28	
23 05 29 00-0960	EA	8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	82.12	4.43
		<i>For Work In Restricted Working Space, Add</i>	4.42	
23 05 29 00-0961	EA	10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	84.99	4.50
		<i>For Work In Restricted Working Space, Add</i>	4.51	
23 05 29 00-0962	EA	12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	110.42	4.60
		<i>For Work In Restricted Working Space, Add</i>	4.59	
23 05 29 00-0963	EA	14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	135.47	4.65
		<i>For Work In Restricted Working Space, Add</i>	4.65	
23 05 29 00-0964	EA	16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	160.69	4.77
		<i>For Work In Restricted Working Space, Add</i>	4.77	
23 05 29 00-0965	EA	18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	197.97	4.89
		<i>For Work In Restricted Working Space, Add</i>	4.88	
23 05 29 00-0966	EA	20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	235.05	5.02
		<i>For Work In Restricted Working Space, Add</i>	5.03	
23 05 29 00-0967	EA	24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	251.80	5.14
		<i>For Work In Restricted Working Space, Add</i>	5.14	
23 05 29 00-0968	EA	30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	265.19	5.27
		<i>For Work In Restricted Working Space, Add</i>	5.28	
23 05 29 00-0969	EA	36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	275.08	5.40
		<i>For Work In Restricted Working Space, Add</i>	5.39	

**23 05 29 00-0970 Adjustable Pipe Saddle Support (Cooper B-Line B3096) (23 05 29 00-0849)**

23 05 29 00-0971	EA	2" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	104.73	12.72
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0972	EA		3" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	110.21	14.76
23 05 29 00-0973	EA		4" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	134.46	16.80
23 05 29 00-0974	EA		5" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	139.74	18.32
23 05 29 00-0975	EA		6" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	155.04	20.36
23 05 29 00-0976	EA		8" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	174.59	25.45
23 05 29 00-0977	EA		10" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	227.84	34.10
23 05 29 00-0978	EA		12" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	275.02	50.90
<b>23 05 29 00-0979</b>			<b>Pipe Stanchion Support (Cooper B-Line B3090) <small>(23 05 29 00-0849)</small></b>		
23 05 29 00-0980	EA		2-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	131.82	12.72
23 05 29 00-0981	EA		3" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	135.45	14.76
23 05 29 00-0982	EA		3-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	145.00	15.78
23 05 29 00-0983	EA		4" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	147.37	16.80
23 05 29 00-0984	EA		5" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	154.58	18.32
23 05 29 00-0985	EA		6" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	163.21	20.36
23 05 29 00-0986	EA		8" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	207.55	25.45
23 05 29 00-0987	EA		10" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	280.29	34.10
23 05 29 00-0988	EA		12" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	361.86	50.90
<b>23 05 29 00-0989</b>			<b>Pipe Saddle Support (Cooper B-Line B3095) <small>(23 05 29 00-0849)</small></b>		
23 05 29 00-0990	EA		2-1/2" Pipe Saddle Support (Cooper B-Line B3095) .....	63.15	12.72
23 05 29 00-0991	EA		3" Pipe Saddle Support (Cooper B-Line B3095) .....	66.78	14.76
23 05 29 00-0992	EA		3-1/2" Pipe Saddle Support (Cooper B-Line B3095) .....	105.18	15.78
23 05 29 00-0993	EA		4" Pipe Saddle Support (Cooper B-Line B3095) .....	107.55	16.80
23 05 29 00-0994	EA		5" Pipe Saddle Support (Cooper B-Line B3095) .....	118.48	18.32
23 05 29 00-0995	EA		6" Pipe Saddle Support (Cooper B-Line B3095) .....	131.31	20.36
23 05 29 00-0996	EA		8" Pipe Saddle Support (Cooper B-Line B3095) .....	149.09	25.45
23 05 29 00-0997	EA		10" Pipe Saddle Support (Cooper B-Line B3095) .....	170.83	34.10
23 05 29 00-0998	EA		12" Pipe Saddle Support (Cooper B-Line B3095) .....	209.93	50.90
<b>23 05 29 00-0999</b>			<b>360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0849)</small></b>		
			Note: Insert is for use as isolated protective insulation at hangers.		
<b>23 05 29 00-1000</b>			<b>1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0999)</small></b>		
23 05 29 00-1001	EA		1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	15.44	6.87
23 05 29 00-1002	EA		3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	15.71	6.87
23 05 29 00-1003	EA		1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	15.78	6.87
23 05 29 00-1004	EA		1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	16.05	6.87
23 05 29 00-1005	EA		1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	17.17	7.29
23 05 29 00-1006	EA		2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	17.92	7.51
23 05 29 00-1007	EA		2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	18.81	7.83
23 05 29 00-1008	EA		3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	19.77	8.14
23 05 29 00-1009	EA		4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	21.44	8.46
23 05 29 00-1010	EA		6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	22.57	7.29
23 05 29 00-1011	EA		8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	34.58	9.52
23 05 29 00-1012	EA		10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	40.88	11.20
23 05 29 00-1013	EA		12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	46.64	13.01
23 05 29 00-1014	EA		14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	52.36	13.43
<b>23 05 29 00-1015</b>			<b>1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0999)</small></b>		
23 05 29 00-1016	EA		1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	13.19	5.18
23 05 29 00-1017	EA		3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	14.53	5.18
23 05 29 00-1018	EA		1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	14.86	5.29
23 05 29 00-1019	EA		1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	15.34	5.39
23 05 29 00-1020	EA		1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	15.80	5.39
23 05 29 00-1021	EA		2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	16.61	5.60
23 05 29 00-1022	EA		2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	17.56	5.81
23 05 29 00-1023	EA		3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	18.05	5.92
23 05 29 00-1024	EA		4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	19.86	6.45
23 05 29 00-1025	EA		6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	29.74	11.10
23 05 29 00-1026	EA		8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	26.75	8.35
23 05 29 00-1027	EA		10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	32.37	9.83
23 05 29 00-1028	EA		12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	36.78	11.31
23 05 29 00-1029	EA		14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	43.45	13.64
<b>23 05 29 00-1030</b>			<b>2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0999)</small></b>		
23 05 29 00-1031	EA		1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	18.20	5.92
23 05 29 00-1032	EA		3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	18.42	5.92
23 05 29 00-1033	EA		1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	19.03	6.03
23 05 29 00-1034	EA		1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	19.57	6.14
23 05 29 00-1035	EA		1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	20.13	6.24
23 05 29 00-1036	EA		2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	20.91	6.45
23 05 29 00-1037	EA		2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	22.01	6.66
23 05 29 00-1038	EA		3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	23.05	6.87
23 05 29 00-1039	EA		4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	25.34	7.29
23 05 29 00-1040	EA		6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	28.98	8.25

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

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CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 05 29 00-1041	EA	8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	45.19	14.07
23 05 29 00-1042	EA	10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	49.52	16.28
23 05 29 00-1043	EA	12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	57.19	19.24
23 05 29 00-1044	EA	14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	64.13	21.57
23 05 29 00-1045	EA	16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	71.65	24.32
23 05 29 00-1046	EA	18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	82.18	28.55
23 05 29 00-1047	EA	20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	91.25	31.72
23 05 29 00-1048	EA	24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	103.10	35.95

**23 05 29 00-1049 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** (23 05 29 00-0999)

23 05 29 00-1050	EA	1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	20.86	6.87
23 05 29 00-1051	EA	3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	21.10	6.87
23 05 29 00-1052	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	21.85	6.98
23 05 29 00-1053	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	22.40	7.08
23 05 29 00-1054	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	22.97	7.08
23 05 29 00-1055	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	23.92	7.41
23 05 29 00-1056	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	25.17	7.62
23 05 29 00-1057	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	26.35	7.93
23 05 29 00-1058	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	28.94	8.35
23 05 29 00-1059	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	33.14	9.52
23 05 29 00-1060	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	43.19	10.57
23 05 29 00-1061	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	51.36	12.16
23 05 29 00-1062	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	59.03	15.12
23 05 29 00-1063	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	66.47	16.60
23 05 29 00-1064	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	79.07	21.15
23 05 29 00-1065	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	84.74	22.21
23 05 29 00-1066	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	96.28	25.38
23 05 29 00-1067	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	113.65	30.67

**23 05 29 00-1068 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** (23 05 29 00-0999)

23 05 29 00-1069	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	37.32	7.08
23 05 29 00-1070	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	44.27	7.41
23 05 29 00-1071	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	45.90	7.41
23 05 29 00-1072	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	46.99	7.62
23 05 29 00-1073	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	48.24	7.83
23 05 29 00-1074	EA	2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	49.64	7.93
23 05 29 00-1075	EA	2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	52.21	8.14
23 05 29 00-1076	EA	3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	54.48	8.67
23 05 29 00-1077	EA	4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	59.90	8.99
23 05 29 00-1078	EA	6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	68.51	10.99
23 05 29 00-1079	EA	8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	87.79	12.05
23 05 29 00-1080	EA	10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	104.27	12.69
23 05 29 00-1081	EA	12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	120.10	16.39
23 05 29 00-1082	EA	14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	135.00	17.45
23 05 29 00-1083	EA	16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	162.47	23.26
23 05 29 00-1084	EA	18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	174.87	25.38
23 05 29 00-1085	EA	20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	197.96	27.50
23 05 29 00-1086	EA	24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	232.64	33.83

**23 05 29 00-1087 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** (23 05 29 00-0999)

23 05 29 00-1088	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	20.86	6.87
23 05 29 00-1089	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	25.20	8.35
23 05 29 00-1090	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	26.25	8.35
23 05 29 00-1091	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	26.88	8.46
23 05 29 00-1092	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	27.64	8.56
23 05 29 00-1093	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	28.65	8.89
23 05 29 00-1094	EA	2-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	30.19	9.20
23 05 29 00-1095	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	31.51	9.52
23 05 29 00-1096	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	34.75	10.05
23 05 29 00-1097	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	39.75	11.42
23 05 29 00-1098	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	51.80	12.69
23 05 29 00-1099	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	61.64	14.59
23 05 29 00-1100	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	70.83	18.19
23 05 29 00-1101	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	79.76	19.88
23 05 29 00-1102	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	94.88	25.38
23 05 29 00-1103	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	101.70	26.65
23 05 29 00-1104	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	115.59	30.46
23 05 29 00-1105	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	136.39	36.80

**23 05 29 00-1106 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** (23 05 29 00-0999)

23 05 29 00-1107	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	28.11	9.31
23 05 29 00-1108	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	28.45	9.31
23 05 29 00-1109	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	29.48	9.41
23 05 29 00-1110	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	30.30	9.52
23 05 29 00-1111	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	30.91	9.52
23 05 29 00-1112	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	32.63	10.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1113 EA 2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	33.94	10.26
23 05 29 00-1114 EA 3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	35.58	10.68
23 05 29 00-1115 EA 4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	39.08	11.31
23 05 29 00-1116 EA 6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	44.71	12.80
23 05 29 00-1117 EA 8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	57.48	13.85
23 05 29 00-1118 EA 10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	69.35	16.49
23 05 29 00-1119 EA 12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	79.71	20.51
23 05 29 00-1120 EA 14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	89.76	22.31
23 05 29 00-1121 EA 16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	106.80	28.55
23 05 29 00-1122 EA 18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	114.36	29.92
23 05 29 00-1123 EA 20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	128.59	34.26
23 05 29 00-1124 EA 24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	153.47	41.45
23 05 29 00-1125 EA 26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	175.28	48.75
23 05 29 00-1126 EA 28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	199.80	57.52
23 05 29 00-1127 EA 30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	226.53	67.99
23 05 29 00-1128 EA 42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	325.34	105.00
23 05 29 00-1129 EA 44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	350.81	115.58
23 05 29 00-1130 EA 46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	374.06	124.77
<b>23 05 29 00-1131 Equipment Housekeeping Pads (23 05 29)</b> See CSI section 03 31 13 00-0091 for Concrete Equipment Pads.		
<b>23 05 29 00-1132 Molded Plastic Condenser Pad (23 05 29 00-1131)</b>		
23 05 29 00-1133 EA 30" Round Molded Plastic Pad.....	77.39	12.72
23 05 29 00-1134 EA 30" Octagon Molded Plastic Pad.....	80.81	12.72
23 05 29 00-1135 EA 30" x 30" Molded Plastic Pad.....	77.39	12.72
23 05 29 00-1136 EA 36" x 36" Molded Plastic Pad.....	97.87	12.72
23 05 29 00-1137 EA 36" x 48" Molded Plastic Pad.....	136.18	12.72
<b>23 05 29 00-1138 Inertia Base (23 05 29 00-1131)</b> Note: Includes spring isolators.		
23 05 29 00-1139 EA Up To 12 SF Inertia Base, 8" Thick With Spring Base .....	1,127.84	
23 05 29 00-1140 EA >12 To 16 SF Inertia Base, 8" Thick With Spring Base.....	1,360.33	
23 05 29 00-1141 EA >16 To 20 SF Inertia Base, 8" Thick With Spring Base.....	1,557.99	
23 05 29 00-1142 EA >20 To 24 SF Inertia Base, 8" Thick With Spring Base.....	1,778.87	
<b>23 05 29 00-1143 Hanger Assemblies (23 05 29)</b> Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.		
23 05 29 00-1144 EA 1/2" Standard Duty Clevis Pipe Hanger Assembly.....	45.67	15.83
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	10.19	
23 05 29 00-1145 EA 3/4" Standard Duty Clevis Pipe Hanger Assembly.....	47.55	16.76
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	10.75	
23 05 29 00-1146 EA 1" Standard Duty Clevis Pipe Hanger Assembly.....	49.15	17.79
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	11.20	
23 05 29 00-1147 EA 1-1/4" Standard Duty Clevis Pipe Hanger Assembly.....	50.06	17.81
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	11.37	
23 05 29 00-1148 EA 1-1/2" Standard Duty Clevis Pipe Hanger Assembly.....	50.37	17.81
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	11.37	
23 05 29 00-1149 EA 2" Standard Duty Clevis Pipe Hanger Assembly.....	51.54	17.95
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	11.54	
23 05 29 00-1150 EA 2-1/2" Standard Duty Clevis Pipe Hanger Assembly.....	59.58	18.64
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	11.39	
23 05 29 00-1151 EA 3" Standard Duty Clevis Pipe Hanger Assembly.....	61.73	19.18
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	11.57	
23 05 29 00-1152 EA 4" Standard Duty Clevis Pipe Hanger Assembly.....	75.25	21.65
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	12.77	
23 05 29 00-1153 EA 6" Standard Duty Clevis Pipe Hanger Assembly.....	112.82	27.96
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	16.78	
23 05 29 00-1154 EA 8" Standard Duty Clevis Pipe Hanger Assembly.....	131.98	32.44
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	19.46	
23 05 29 00-1155 EA 10" Standard Duty Clevis Pipe Hanger Assembly.....	183.31	41.21
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	24.42	
23 05 29 00-1156 EA 12" Standard Duty Clevis Pipe Hanger Assembly.....	202.70	44.34
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	26.66	
<b>23 05 29 00-1157 Steel Shapes For Hanger Devices (23 05 29)</b>		
<b>23 05 29 00-1158 Angle Iron For Hanger Devices (23 05 29 00-1157)</b>		
23 05 29 00-1159 LF 1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices.....	2.51	1.48
23 05 29 00-1160 LF 3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices.....	3.31	1.85
23 05 29 00-1161 LF 1" x 1" x 1/8" Angle Iron For Hanger Devices.....	4.10	2.21

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

HUMBOLDT STATE UNIVERSITY

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 05 29 00-1162	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices .....	5.79		2.75
23 05 29 00-1163	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices .....	6.52		2.96
23 05 29 00-1164	LF	2" x 2" x 1/4" Angle Iron For Hanger Devices.....	9.01		3.32
23 05 29 00-1165	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices .....	11.25		4.05
23 05 29 00-1166	LF	3" x 2" x 3/8" Angle Iron For Hanger Devices.....	14.77		4.74
23 05 29 00-1167	LF	3" x 3" x 3/8" Angle Iron For Hanger Devices.....	17.69		5.54
<b>23 05 29 00-1168</b>		<b>Channels For Hanger Devices (23 05 29 00-1157)</b>			
23 05 29 00-1169	LF	C2 x 1.78, 2" Wide Channels For Hanger Devices .....	7.36		3.63
23 05 29 00-1170	LF	C3 x 4.1, 3" Wide Channels For Hanger Devices .....	12.85		5.22
23 05 29 00-1171	LF	C4 x 5.4, 4" Wide Channels For Hanger Devices .....	16.11		6.27
23 05 29 00-1172	LF	C5 x 6.7 - 5" Wide Channels For Hanger Devices .....	19.37		7.31
23 05 29 00-1173	LF	C6 x 8.2 - 6" Wide Channels For Hanger Devices .....	23.47		8.78
23 05 29 00-1174	LF	C7 x 9.8 - 7" Wide Channels For Hanger Devices .....	28.00		10.46
23 05 29 00-1175	LF	C8 x 11.5 - 8" Wide Channels For Hanger Devices .....	31.84		11.51
<b>23 05 29 00-1176</b>		<b>Structural Bar Tees For Hanger Devices (23 05 29 00-1157)</b>			
23 05 29 00-1177	LF	3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices .....	7.89		5.11
23 05 29 00-1178	LF	1" x 1" x 1/8" Structural Bar Tee For Hanger Devices .....	9.50		6.04
23 05 29 00-1179	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices.....	14.00		6.97
23 05 29 00-1180	LF	2" x 2" x 1/4" Structural Bar Tee For Hanger Devices .....	18.05		9.29
23 05 29 00-1181	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices.....	25.10		11.15
23 05 29 00-1182	LF	3" x 3" x 3/8" Structural Bar Tee For Hanger Devices .....	31.41		14.41
<b>23 05 29 00-1183</b>		<b>Structural Zees For Hanger Devices (23 05 29 00-1157)</b>			
23 05 29 00-1184	LF	1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices .....	14.02		6.97
23 05 29 00-1185	LF	2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices .....	17.24		6.97
23 05 29 00-1186	LF	3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices .....	25.49		6.97
23 05 29 00-1187	LF	3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices .....	32.53		6.97
23 05 29 00-1188	LF	3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices .....	40.03		6.97
<b>23 05 29 00-1189</b>		<b>Junior I-beams For Hanger Devices (23 05 29 00-1157)</b>			
23 05 29 00-1190	LF	3" I-beam (Junior) For Hanger Devices.....	17.11		10.23
23 05 29 00-1191	LF	4" I-beam (Junior) For Hanger Devices.....	19.81		11.15
23 05 29 00-1192	LF	5" I-beam (Junior) For Hanger Devices.....	23.06		12.08
23 05 29 00-1193	LF	6" I-beam (Junior) For Hanger Devices.....	25.24		13.47
23 05 29 00-1194	LF	7" I-beam (Junior) For Hanger Devices.....	30.40		14.41
23 05 29 00-1195	LF	8" I-beam (Junior) For Hanger Devices.....	32.95		15.34
<b>23 05 33</b>		<b>Heat Tracing for HVAC Piping (23 05)</b>			
		See CSI section 23 83 13 00-0000 for heat tracing cables.			
<b>23 05 48</b>		<b>Vibration and Seismic Controls for HVAC (23 05)</b>			
<b>23 05 48 13</b>		<b>Vibration Controls for HVAC (23 05 48)</b>			
<b>23 05 48 13-0001</b>		<b>Unhoused Stable Steel Spring Isolators (23 05 48 13)</b>			
		Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.			
23 05 48 13-0002	EA	60 LB Unhoused Steel Spring Isolator .....	93.48		28.49
23 05 48 13-0003	EA	115 LB Unhoused Steel Spring Isolator .....	99.39		28.49
23 05 48 13-0004	EA	1,130 LB Unhoused Steel Spring Isolator .....	119.01		28.49
<b>23 05 48 13-0005</b>		<b>Housed Stable Steel Spring Isolators (23 05 48 13)</b>			
		Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only. Mason Industries, Inc.			
23 05 48 13-0006	EA	To 770 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection .....	465.07		28.49
23 05 48 13-0007	EA	To 1,040 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection .....	527.92		28.49
23 05 48 13-0008	EA	To 1,600 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection .....	559.35		28.49
23 05 48 13-0009	EA	To 2,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection .....	685.05		28.49
23 05 48 13-0010	EA	To 3,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection .....	716.48		28.49
23 05 48 13-0011	EA	To 730 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection .....	520.06		28.49
23 05 48 13-0012	EA	To 930 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection .....	575.06		28.49
23 05 48 13-0013	EA	To 1,440 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection .....	614.34		28.49
23 05 48 13-0014	EA	To 1,860 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection .....	795.04		28.49
23 05 48 13-0015	EA	To 2,880 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection .....	865.75		28.49
23 05 48 13-0016	EA	To 3,720 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection .....	1,030.74		28.49
<b>23 05 48 13-0017</b>		<b>Vibration Isolators (23 05 48 13)</b>			
<b>23 05 48 13-0018</b>		<b>Spring And Rubber Hanger For 1" Deflection (23 05 48 13-0017)</b>			
23 05 48 13-0019	EA	50 To 500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size.....	123.47		18.32
23 05 48 13-0020	EA	600 To 1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size.....	259.63		20.36
<b>23 05 48 13-0021</b>		<b>Rubber-In-Shear Isolator Hanger (23 05 48 13-0017)</b>			
23 05 48 13-0022	EA	45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size.....	68.64		15.27
23 05 48 13-0023	EA	130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size.....	88.97		18.32

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 48 13-0024</b>		<b>Spring Hanger For 1" Deflection</b> <small>(23 05 48 13-0017)</small>		
23 05 48 13-0025	EA	50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size .....	77.86	18.32
<b>23 05 48 13-0026</b>		<b>Rubber-In-Shear Vibration Isolator</b> <small>(23 05 48 13-0017)</small>		
23 05 48 13-0027	EA	45 To 340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection .....	143.27	34.62
23 05 48 13-0028	EA	130 To 700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection .....	195.62	34.62
23 05 48 13-0029	EA	550 To 1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection .....	375.28	34.62
<b>23 05 48 13-0030</b>		<b>Two-Piece Spring Type Vibration Isolator</b> <small>(23 05 48 13-0017)</small>		
		Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 13-0031	EA	50 To 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator .....	121.21	34.62
23 05 48 13-0032	EA	>1,000 To 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator .....	125.11	34.62
<b>23 05 48 13-0033</b>		<b>Open Double Spring Type Vibration Isolator</b> <small>(23 05 48 13-0017)</small>		
		Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 13-0034	EA	150 To 450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator .....	94.30	17.30
23 05 48 13-0035	EA	500 To 1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator .....	94.30	17.30
23 05 48 13-0036	EA	1,100 To 1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator .....	107.30	17.30
23 05 48 13-0037	EA	1,700 To 2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator .....	107.30	17.30
23 05 48 13-0038	EA	2,500 To 3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator .....	166.12	17.30
<b>23 05 48 13-0039</b>		<b>Isolation Pads</b> <small>(23 05 48 13-0017)</small>		
<b>23 05 48 13-0040</b>		<b>Laminated Neoprene And Cork Isolation Pad</b> <small>(23 05 48 13-0039)</small>		
23 05 48 13-0041	EA	2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad .....	6.21	2.54
23 05 48 13-0042	EA	3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad .....	8.00	2.64
23 05 48 13-0043	EA	4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad .....	10.07	2.75
23 05 48 13-0044	EA	12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad .....	40.37	3.16
23 05 48 13-0045	EA	18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad .....	77.44	3.56
<b>23 05 48 13-0046</b>		<b>Neoprene And Steel Plate Isolation Pad</b> <small>(23 05 48 13-0039)</small>		
23 05 48 13-0047	EA	6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad .....	54.67	2.54
23 05 48 13-0048	EA	6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad .....	60.13	2.54
<b>23 05 48 13-0049</b>		<b>Neoprene Isolation Pad</b> <small>(23 05 48 13-0039)</small>		
23 05 48 13-0050	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad .....	5.78	2.54
23 05 48 13-0051	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad .....	6.61	2.54
23 05 48 13-0052	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad .....	7.94	2.54
23 05 48 13-0053	EA	12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad .....	39.71	3.06
23 05 48 13-0054	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad .....	72.76	3.56
<b>23 05 48 13-0055</b>		<b>Threaded Flexible Bronze Hose Connectors</b> <small>(23 05 48 13)</small>		
		Note: Includes hex threaded nipple ends.		
23 05 48 13-0056	EA	3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	66.43	16.28
23 05 48 13-0057	EA	1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	77.84	22.39
23 05 48 13-0058	EA	3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	95.57	27.49
23 05 48 13-0059	EA	1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	111.21	32.58
23 05 48 13-0060	EA	1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	127.51	42.75
23 05 48 13-0061	EA	1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	143.62	45.50
23 05 48 13-0062	EA	2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	192.28	53.95
23 05 48 13-0063	EA	2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	265.38	84.08
<b>23 05 48 13-0064</b>		<b>Weld End Flexible Hose Connectors</b> <small>(23 05 48 13)</small>		
23 05 48 13-0065	EA	1/2" Diameter x 10" Flexible Hose Connection, Weld Ends .....	254.54	58.43
23 05 48 13-0066	EA	3/4" Diameter x 10" Flexible Hose Connection, Weld Ends .....	298.67	64.13
23 05 48 13-0067	EA	1" Diameter x 10" Flexible Hose Connection, Weld Ends .....	338.43	67.90
23 05 48 13-0068	EA	1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends .....	377.91	77.37
23 05 48 13-0069	EA	1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends .....	430.15	83.48
23 05 48 13-0070	EA	2" Diameter x 14" Flexible Hose Connection, Weld Ends .....	538.69	108.61
23 05 48 13-0071	EA	2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends .....	823.42	122.16
23 05 48 13-0072	EA	3" Diameter x 16" Flexible Hose Connection, Weld Ends .....	1,022.00	137.42
23 05 48 13-0073	EA	4" Diameter x 18" Flexible Hose Connection, Weld Ends .....	1,408.74	203.60
<b>23 05 48 13-0074</b>		<b>Flanged Flexible Hose Connectors</b> <small>(23 05 48 13)</small>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 05 48 13-0075		<b>Flanged Flexible Molded Rubber Hose Connectors</b> (23 05 48 13-0074)			
		Note: With helical wire reinforcement 150 PSI.			
23 05 48 13-0076	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	201.54		76.35
23 05 48 13-0077	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	218.07		84.80
23 05 48 13-0078	EA	2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	354.79		169.39
23 05 48 13-0079	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	491.41		251.95
23 05 48 13-0080	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	640.29		325.24
23 05 48 13-0081	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	806.02		332.36
23 05 48 13-0082	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	980.37		379.60
23 05 48 13-0083	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	1,270.57		451.75
23 05 48 13-0084	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	3,067.13		565.01
23 05 48 13-0085		<b>Flanged Flexible Corrugated Stainless Steel Hose Connectors</b> (23 05 48 13-0074)			
		Note: With braided metal wire.			
23 05 48 13-0086	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	156.93		69.42
23 05 48 13-0087	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	152.45		95.49
23 05 48 13-0088	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	292.84		127.25
23 05 48 13-0089	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	380.09		190.87
23 05 48 13-0090	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	408.77		210.01
23 05 48 13-0091	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	475.02		254.29
23 05 48 13-0092	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	608.21		325.54
23 05 48 13-0093	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	829.04		398.03
23 05 48 13-0094	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	1,358.04		531.77
23 05 48 13-0095	EA	10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	1,598.64		614.91
23 05 48 13-0096	EA	12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	2,059.90		664.73
23 05 48 13-0097		<b>Flanged Flexible Molded Teflon Hose Connectors</b> (23 05 48 13-0074)			
		Note: 150 PSI.			
23 05 48 13-0098	EA	2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	878.22		147.61
23 05 48 13-0099	EA	3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	985.00		173.06
23 05 48 13-0100	EA	4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	1,492.83		290.85
23 05 48 13-0101	EA	6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	1,598.06		332.36
23 05 48 13-0102	EA	8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	2,375.58		407.70
23 05 48 13-0103		<b>Flexible Hose Connectors Braided Metal Hose Type</b> (23 05 48 13)			
23 05 48 13-0104		<b>Braided Metal Hose Type Flexible Bronze Hose Connectors</b> (23 05 48 13-0103)			
		Note: MPT connection.			
23 05 48 13-0105	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	34.74		2.04
23 05 48 13-0106	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	41.53		2.04
23 05 48 13-0107	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	46.21		2.64
23 05 48 13-0108	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	56.21		2.64
23 05 48 13-0109	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	46.51		2.44
23 05 48 13-0110	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	56.20		2.44
23 05 48 13-0111	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	64.30		3.15
23 05 48 13-0112	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	79.39		3.15
23 05 48 13-0113	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	63.47		2.85
23 05 48 13-0114	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	69.42		2.85
23 05 48 13-0115	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	82.48		3.77
23 05 48 13-0116	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	104.55		3.77
23 05 48 13-0117	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	126.45		3.77
23 05 48 13-0118	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	148.42		3.77
23 05 48 13-0119	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	90.42		3.65
23 05 48 13-0120	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	99.68		3.65
23 05 48 13-0121	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	127.91		3.65
23 05 48 13-0122	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	177.85		4.87
23 05 48 13-0123	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	206.30		4.87
23 05 48 13-0124	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	244.15		4.87
23 05 48 13-0125	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	123.80		4.41
23 05 48 13-0126	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	143.15		4.41
23 05 48 13-0127	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	180.64		4.41
23 05 48 13-0128	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	240.93		5.90
23 05 48 13-0129	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	298.07		5.90
23 05 48 13-0130	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	355.16		5.90
23 05 48 13-0131	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	171.93		5.53
23 05 48 13-0132	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	195.77		5.24
23 05 48 13-0133	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	219.85		5.24
23 05 48 13-0134	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	271.10		7.03
23 05 48 13-0135	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	319.53		7.03
23 05 48 13-0136	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	366.45		7.03
23 05 48 13-0137	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	271.12		7.03
23 05 48 13-0138	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	303.29		7.03
23 05 48 13-0139	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	417.91		7.03
23 05 48 13-0140	EA	3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	504.16		9.37
23 05 48 13-0141	EA	3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	469.70		9.37
23 05 48 13-0142	EA	3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	533.00		9.37
23 05 48 13-0143	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	495.70		7.98
23 05 48 13-0144	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	533.29		7.98
23 05 48 13-0145	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	570.87		7.98

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 48 13-0146	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	652.55	10.63
23 05 48 13-0147	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	727.43	10.63
23 05 48 13-0148	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	803.93	10.63

**23 05 48 13-0149 Braided Stainless Steel Flexible Hose Connectors** (23 05 48 13-0103)

Note: Over braided carbon steel connection.

23 05 48 13-0150	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	147.52	4.47
23 05 48 13-0151	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	178.28	4.47
23 05 48 13-0152	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	208.45	4.47
23 05 48 13-0153	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	272.84	5.99
23 05 48 13-0154	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	334.01	5.99
23 05 48 13-0155	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	395.10	5.99
23 05 48 13-0156	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	167.22	5.24
23 05 48 13-0157	EA	2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	199.37	5.24
23 05 48 13-0158	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	231.65	5.24
23 05 48 13-0159	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	300.10	7.03
23 05 48 13-0160	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	364.41	7.03
23 05 48 13-0161	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	427.83	7.03
23 05 48 13-0162	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	177.41	7.03
23 05 48 13-0163	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	214.23	7.22
23 05 48 13-0164	LF	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	251.58	7.03
23 05 48 13-0165	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	333.17	9.37
23 05 48 13-0166	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	407.46	9.37
23 05 48 13-0167	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	483.86	9.37
23 05 48 13-0168	EA	6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	357.77	13.70
23 05 48 13-0169	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	528.05	13.79
23 05 48 13-0170	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	708.16	18.17
23 05 48 13-0171	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	878.51	18.17
23 05 48 13-0172	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,048.81	18.17
23 05 48 13-0173	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	619.55	16.20
23 05 48 13-0174	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	748.39	16.20
23 05 48 13-0175	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,014.68	21.06
23 05 48 13-0176	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,270.26	21.06
23 05 48 13-0177	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,525.76	21.06
23 05 48 13-0178	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	663.44	20.25
23 05 48 13-0179	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	985.53	20.25
23 05 48 13-0180	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,320.10	26.38
23 05 48 13-0181	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,643.32	26.38
23 05 48 13-0182	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,965.17	26.38
23 05 48 13-0183	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,317.49	24.48
23 05 48 13-0184	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,719.45	24.48
23 05 48 13-0185	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,150.95	32.95
23 05 48 13-0186	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,556.44	32.95
23 05 48 13-0187	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,963.83	32.95

**23 05 48 13-0188 Braided Metal Hose Type Flexible Bronze Hose Connectors** (23 05 48 13-0103)

Note: Flanged end connection (carbon steel ends).

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0189	EA		2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	187.37	4.41
23 05 48 13-0190	EA		2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	410.43	124.91
23 05 48 13-0191	EA		2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	487.28	124.91
23 05 48 13-0192	EA		2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	564.14	124.91
23 05 48 13-0193	EA		2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	641.02	124.91
23 05 48 13-0194	EA		2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	400.60	159.31
23 05 48 13-0195	EA		2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	481.59	159.31
23 05 48 13-0196	EA		2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	562.61	159.31
23 05 48 13-0197	EA		2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	643.66	159.31
23 05 48 13-0198	EA		2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	723.29	159.31
23 05 48 13-0199	EA		4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	582.56	267.07
23 05 48 13-0200	EA		4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	677.09	267.74
23 05 48 13-0201	EA		4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	773.16	267.07
23 05 48 13-0202	EA		4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	880.58	267.07
23 05 48 13-0203	EA		4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	962.65	267.07
23 05 48 13-0204	EA		6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	865.12	342.42
23 05 48 13-0205	EA		6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,079.31	342.42
23 05 48 13-0206	EA		6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,293.62	343.65
23 05 48 13-0207	EA		6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,507.84	342.42
23 05 48 13-0208	EA		6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,722.03	342.42
23 05 48 13-0209	EA		8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,341.62	414.05
23 05 48 13-0210	EA		8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,503.66	414.05
23 05 48 13-0211	EA		8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,824.93	414.05
23 05 48 13-0212	EA		8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	2,146.32	414.05
23 05 48 13-0213	EA		8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	2,467.55	414.05
23 05 48 13-0214	EA		10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	2,104.47	504.07
23 05 48 13-0215	EA		10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	2,508.18	504.07
23 05 48 13-0216	EA		10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	2,914.60	504.07
23 05 48 13-0217	EA		10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	3,320.14	504.07
23 05 48 13-0218	EA		10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	3,647.90	504.07
23 05 48 13-0219	EA		12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	2,817.54	612.09
23 05 48 13-0220	EA		12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	3,329.83	612.09
23 05 48 13-0221	EA		12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	3,842.10	612.09
23 05 48 13-0222	EA		12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	4,354.36	612.09
23 05 48 13-0223	EA		12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	4,866.65	612.09

**23 05 53 Identification for HVAC Piping and Equipment** (23 05)**23 05 53 00-0001 Systems Identification** (23 05 53)**23 05 53 00-0002 Pipe Marker Snap-On Type Plastic** (23 05 53 00-0001)

Note: Outside diameters include insulation where necessary.

23 05 53 00-0003	EA		1/2" Outside Diameter Snap-On Plastic Marker .....	12.91	
23 05 53 00-0004	EA		3/4" Outside Diameter Snap-On Plastic Marker .....	13.16	
23 05 53 00-0005	EA		1" Outside Diameter Snap-On Plastic Marker .....	13.30	
23 05 53 00-0006	EA		1-1/4" Outside Diameter Snap-On Plastic Marker .....	13.51	
23 05 53 00-0007	EA		1-1/2" Outside Diameter Snap-On Plastic Marker .....	15.11	
23 05 53 00-0008	EA		2" Outside Diameter Snap-On Plastic Marker .....	15.56	
23 05 53 00-0009	EA		2-1/2" Outside Diameter Snap-On Plastic Marker .....	22.29	
23 05 53 00-0010	EA		3" Outside Diameter Snap-On Plastic Marker .....	22.66	
23 05 53 00-0011	EA		3-1/2" Outside Diameter Snap-On Plastic Marker .....	23.05	
23 05 53 00-0012	EA		4" Outside Diameter Snap-On Plastic Marker .....	23.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 53 00-0013	EA		4-1/2" Outside Diameter Snap-On Plastic Marker.....	23.47	
23 05 53 00-0014	EA		5" Outside Diameter Snap-On Plastic Marker.....	23.69	
23 05 53 00-0015	EA		6" Outside Diameter Snap-On Plastic Marker.....	24.69	
23 05 53 00-0016	EA		7" Outside Diameter Snap-On Plastic Marker.....	24.94	
23 05 53 00-0017	EA		8" Outside Diameter Snap-On Plastic Marker.....	29.56	
23 05 53 00-0018	EA		10" Outside Diameter Snap-On Plastic Marker.....	30.94	
23 05 53 00-0019	EA		12" Outside Diameter Snap-On Plastic Marker.....	35.93	
23 05 53 00-0020	EA		14" Outside Diameter Snap-On Plastic Marker.....	41.11	

23 05 53 00-0021 Pipe Markers Pressure-Sensitive (23 05 53 00-0001)

Note: Outside diameter includes insulation where necessary.

23 05 53 00-0022	EA		1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	13.75	
23 05 53 00-0023	EA		3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	14.25	
23 05 53 00-0024	EA		1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	15.28	
23 05 53 00-0025	EA		1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	15.48	
23 05 53 00-0026	EA		1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	16.85	
23 05 53 00-0027	EA		2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	17.16	
23 05 53 00-0028	EA		2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	20.07	
23 05 53 00-0029	EA		3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	20.48	
23 05 53 00-0030	EA		3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	20.78	
23 05 53 00-0031	EA		4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	21.10	
23 05 53 00-0032	EA		4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	21.73	
23 05 53 00-0033	EA		5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	22.42	
23 05 53 00-0034	EA		6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	23.01	
23 05 53 00-0035	EA		7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	23.60	
23 05 53 00-0036	EA		8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	26.77	
23 05 53 00-0037	EA		10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	27.89	
23 05 53 00-0038	EA		12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	33.04	

23 05 53 00-0039 Valve Identification Tag (23 05 53 00-0001)

Note: Includes beaded chain and/or "S" hook.

23 05 53 00-0040	EA		2" Diameter Identification Tag, Brass.....	10.05	
23 05 53 00-0041	EA		1-1/2" Diameter Identification Tag, Plastic.....	9.54	
23 05 53 00-0042	EA		1-1/2" Diameter Identification Tag, Brass.....	9.37	

23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment (23 05)

23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures (23 05 66)

23 05 66 00-0002	EA		18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO).....	584.35	64.21
			Note: Includes tube.		
23 05 66 00-0003	EA		24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO).....	610.17	67.39
			Note: Includes tube.		
23 05 66 00-0004	EA		30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO).....	613.10	70.28
			Note: Includes tube.		
23 05 66 00-0005	EA		36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO).....	641.71	73.84
			Note: Includes tube.		
23 05 66 00-0006	EA		42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO).....	693.26	77.00
			Note: Includes tube.		
23 05 66 00-0007	EA		62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO).....	792.62	79.41
			Note: Includes tube.		

23 05 66 00-0008 Single Ended Ultraviolet HVAC Microbial Control Fixtures (23 05 66)

23 05 66 00-0009	EA		12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO).....	507.61	44.47
			Note: Includes tube.		
23 05 66 00-0010	EA		16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO).....	516.54	48.13
			Note: Includes tube.		
23 05 66 00-0011	EA		20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO).....	525.70	51.02
			Note: Includes tube.		
23 05 66 00-0012	EA		24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO).....	526.02	54.87
			Note: Includes tube.		
23 05 66 00-0013	EA		30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO).....	547.33	57.76
			Note: Includes tube.		
23 05 66 00-0014	EA		36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO).....	560.17	60.65
			Note: Includes tube.		
23 05 66 00-0015	EA		42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO).....	573.09	64.50
			Note: Includes tube.		
23 05 66 00-0016	EA		12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO).....	594.45	44.47
			Note: Includes tube.		
23 05 66 00-0017	EA		16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO).....	603.38	48.13
			Note: Includes tube.		
23 05 66 00-0018	EA		20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO).....	612.54	51.02
			Note: Includes tube.		
23 05 66 00-0019	EA		24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO).....	612.86	54.87
			Note: Includes tube.		
23 05 66 00-0020	EA		30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO).....	634.18	57.76
			Note: Includes tube.		
23 05 66 00-0021	EA		36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO).....	647.01	60.65
			Note: Includes tube.		
23 05 66 00-0022	EA		42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO).....	659.94	64.50
			Note: Includes tube.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 05 66 00-0023	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) ..... Note: Includes tube.	414.42		48.13
23 05 66 00-0024	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) ..... Note: Includes tube.	423.58		51.02
23 05 66 00-0025	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) ..... Note: Includes tube.	423.90		54.87
23 05 66 00-0026	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) ..... Note: Includes tube.	445.21		57.76
23 05 66 00-0027	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) ..... Note: Includes tube.	458.05		60.65
23 05 66 00-0028	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) ..... Note: Includes tube.	470.97		64.50
<b>23 05 66 00-0029</b>		<b>Fan Coil Unit Ultraviolet Microbial Control Fixtures (23 05 66)</b>			
23 05 66 00-0030	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	368.46		61.61
23 05 66 00-0031	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	377.33		64.50
23 05 66 00-0032	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	386.20		67.39
23 05 66 00-0033	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	397.68		70.28
23 05 66 00-0034	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	412.18		73.84
23 05 66 00-0035	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	425.10		77.00
<b>23 05 66 00-0036</b>		<b>Ultraviolet HVAC Microbial Control Replacement Parts (23 05 66)</b>			
23 05 66 00-0037	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO) ..... Note: Includes tube.	97.38		
23 05 66 00-0038	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO) ..... Note: Includes tube.	102.31		
23 05 66 00-0039	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO) ..... Note: Includes tube.	115.65		
23 05 66 00-0040	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO) ..... Note: Includes tube.	132.76		
23 05 66 00-0041	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO) ..... Note: Includes tube.	150.22		
23 05 66 00-0042	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO) ..... Note: Includes tube.	183.82		
23 05 66 00-0043	EA	12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO) ..... Note: Includes tube.	94.49		
23 05 66 00-0044	EA	16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO) ..... Note: Includes tube.	99.57		
23 05 66 00-0045	EA	20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO) ..... Note: Includes tube.	104.89		
23 05 66 00-0046	EA	24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO) ..... Note: Includes tube.	101.35		
23 05 66 00-0047	EA	30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO) ..... Note: Includes tube.	118.82		
23 05 66 00-0048	EA	36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO) ..... Note: Includes tube.	127.81		
23 05 66 00-0049	EA	42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO) ..... Note: Includes tube.	136.88		
23 05 66 00-0050	EA	Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire)..... Note: Includes tube.	279.23		
<b>23 05 66 00-0051</b>		<b>Ultraviolet HVAC Microbial Control Mounting Accessories (23 05 66)</b>			
23 05 66 00-0052	EA	Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610) ..... Note: Includes 61" emitter, power supply, wires and connectors.	497.33		
23 05 66 00-0053	EA	Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620) ..... Note: Includes 61" emitter, power supply, wires and connectors.	633.36		
23 05 66 00-0054	EA	Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1)..... Note: Includes power supply, wires and connectors. Excludes emitter.	292.21		
23 05 66 00-0055	EA	Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2)..... Note: Includes power supply, wires and connectors. Excludes emitter.	308.87		
23 05 66 00-0056	EA	Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3)..... Note: Includes power supply, wires and connectors. Excludes emitter.	392.28		
23 05 66 00-0057	EA	Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4)..... Note: Includes power supply, wires and connectors. Excludes emitter.	246.04		
23 05 66 00-0058	EA	Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5) ..... Note: Includes power supply, wires and connectors. Excludes emitter.	266.53		
23 05 66 00-0059	EA	16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6)..... Note: Includes power supply, wires and connectors. Excludes emitter.	348.86		
23 05 66 00-0060	EA	12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7)..... Note: Includes power supply, wires and connectors. Excludes emitter.	344.14		
23 05 66 00-0061	LF	30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101)..... Note: Includes power supply, wires and connectors. Excludes emitter.	12.99		
23 05 66 00-0062	EA	Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111) ..... Note: Includes power supply, wires and connectors. Excludes emitter.	44.01		
23 05 66 00-0063	EA	Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112) ..... Note: Includes power supply, wires and connectors. Excludes emitter.	15.33		
23 05 66 00-0064	EA	Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113)..... Note: Includes power supply, wires and connectors. Excludes emitter.	14.51		
23 05 66 00-0065	EA	Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)..... Note: Includes power supply, wires and connectors. Excludes emitter.	40.63		
23 05 66 00-0066	EA	Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114) ..... Note: Includes power supply, wires and connectors. Excludes emitter.	47.52		
23 05 66 00-0067	EA	Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108)..... Note: Includes power supply, wires and connectors. Excludes emitter.	42.27		
23 05 66 00-0068	EA	Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115) ..... Note: Includes power supply, wires and connectors. Excludes emitter.	34.39		
23 05 66 00-0069	EA	ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109) ..... Note: Includes power supply, wires and connectors. Excludes emitter.	32.52		
23 05 66 00-0070	EA	DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)..... Note: Includes power supply, wires and connectors. Excludes emitter.	17.81		
23 05 66 00-0071	EA	DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)..... Note: Includes power supply, wires and connectors. Excludes emitter.	36.49		
23 05 66 00-0072	EA	Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)..... Note: Includes power supply, wires and connectors. Excludes emitter.	17.88		
23 05 66 00-0073	EA	480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)..... Note: Includes power supply, wires and connectors. Excludes emitter.	69.75		
23 05 66 00-0074	EA	Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120)..... Note: Includes power supply, wires and connectors. Excludes emitter.	73.27		

**23 05 93 Testing, Adjusting, and Balancing for HVAC (23 05)**

Note: New systems include all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0001		<b>Heating And Ventilating Equipment</b> (23 05 93)		
23 05 93 00-0002	EA	Balancing Centrifugal Fans .....	557.71	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-278.86	
23 05 93 00-0003	EA	Balancing Heating And Ventilating Units .....	696.86	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-348.43	
23 05 93 00-0004	EA	Balancing In Line Fan .....	627.42	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-313.71	
23 05 93 00-0005	EA	Balancing Propeller And Wall Fan .....	139.42	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-69.71	
23 05 93 00-0006	EA	Balancing Roof Exhaust Fan .....	418.25	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-209.13	
23 05 93 00-0007	EA	Balancing Wall Fan .....	104.55	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-52.28	
23 05 93 00-0008	EA	Balancing Fan Section Exhaust .....	556.81	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-278.41	
23 05 93 00-0009		<b>Air Conditioning Equipment</b> (23 05 93)		
23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit .....	750.14	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-375.07	
23 05 93 00-0011	EA	Balancing Package A/C Unit .....	281.31	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-140.66	
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit .....	375.08	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-187.54	
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit .....	1,312.75	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-656.38	
23 05 93 00-0014		<b>Registers, Diffusers, Terminal Air Units And Dampers</b> (23 05 93)		
23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser .....	104.57	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-52.29	
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser .....	174.28	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-87.14	
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser .....	90.62	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-45.31	
23 05 93 00-0018	EA	Balance Variable Air Volume Box .....	98.19	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-49.10	
23 05 93 00-0019	EA	Balance Constant Volume Box .....	98.19	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-49.10	
23 05 93 00-0020	EA	Balance Fan Powered Box .....	111.54	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-55.77	
23 05 93 00-0021	EA	Balance Lab Fume Hood .....	453.15	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-226.58	
23 05 93 00-0022	EA	Balance General Hood .....	348.57	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-174.29	
23 05 93 00-0023	EA	Balance Induction Unit .....	209.15	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-104.58	
23 05 93 00-0024	EA	Balance Moduline - Master .....	83.63	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-41.82	
23 05 93 00-0025	EA	Balance Moduline - Slave .....	41.83	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-20.92	
23 05 93 00-0026	EA	Balance Dampers .....	38.84	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-19.42	
23 05 93 00-0027	EA	Balance Regenerators .....	556.81	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-278.41	
23 05 93 00-0028		<b>Water Balancing Of Components</b> (23 05 93)		
23 05 93 00-0029	EA	Water Balance, Air Cool Condenser .....	515.77	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-257.89	
23 05 93 00-0030	EA	Water Balance, Cabinet Heater .....	65.64	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-32.82	
23 05 93 00-0031	EA	Water Balance, Chiller, Air Cooled .....	562.56	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-281.28	
23 05 93 00-0032	EA	Water Balance, Chiller, Water Cooled .....	750.14	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-375.07	
23 05 93 00-0033	EA	Water Balance, Cooling Tower .....	375.08	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-187.54	
23 05 93 00-0034	EA	Water Balance, Fan Coil And Vent .....	93.82	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-46.91	
23 05 93 00-0035	EA	Water Balance, Fin Tube And Radiant Panel .....	93.77	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-46.89	
23 05 93 00-0036	EA	Water Balance, Main And Duct Re-Heat Coil .....	103.14	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-51.57	
23 05 93 00-0037	EA	Water Balance, Pumps .....	281.32	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-140.66	
23 05 93 00-0038	EA	Water Balance, Unit Heater .....	65.64	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-32.82	
23 05 93 00-0039	EA	Water Balancing, Converter .....	281.42	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-140.71	
23 05 93 00-0040	EA	Water Balancing, Cocks And Valves .....	46.88	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-23.44	
23 05 93 00-0041	EA	Water Balance, Convactor .....	56.25	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-28.13	
23 05 93 00-0042	EA	Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves .....	70.33	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-35.17	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 93 Testing, Adjusting, and Balancing for HVAC**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0043	EA		Water Balance, Boiler, Up To 500 MBH..... <i>For Testing Of Unit Without Balancing, Deduct</i>	609.49 -304.75	
23 05 93 00-0044	EA		>500 To 1,000 MBH, Water Balance, Boiler..... <i>For Testing Of Unit Without Balancing, Deduct</i>	1,125.22 -562.61	
23 05 93 00-0045	EA		>1,000 MBH, Water Balance, Boiler..... <i>For Testing Of Unit Without Balancing, Deduct</i>	2,062.89 -1,031.45	
23 05 93 00-0046			<b>Non Destructive Testing (23 05 93)</b>		
23 05 93 00-0047			<b>X-Ray Welds, Non-Destructive Testing (23 05 93 00-0046)</b>		
23 05 93 00-0048			<b>X-Ray Welds Minimum Set-Up Charge (23 05 93 00-0047)</b>		
23 05 93 00-0049	EA		X-Ray Welds Minimum Set-Up Charge..... Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	845.15	
23 05 93 00-0050			<b>Piping, X-Ray Welds, Non Destructive Testing (23 05 93 00-0047)</b>		
23 05 93 00-0051	EA		Up To 3/4" Piping, X-Ray Welds, Non Destructive Testing.....	77.28	
23 05 93 00-0052	EA		1" Piping, X-Ray Welds, Non Destructive Testing.....	87.96	
23 05 93 00-0053	EA		1-1/4" - 1-1/2" Piping, X-Ray Welds, Non Destructive Testing.....	98.63	
23 05 93 00-0054	EA		2" Piping, X-Ray Welds, Non Destructive Testing.....	104.24	
23 05 93 00-0055	EA		3" Piping, X-Ray Welds, Non Destructive Testing.....	109.83	
23 05 93 00-0056	EA		4" Piping, X-Ray Welds, Non Destructive Testing.....	115.92	
23 05 93 00-0057	EA		6" Piping, X-Ray Welds, Non Destructive Testing.....	127.09	
23 05 93 00-0058	EA		8" Piping, X-Ray Welds, Non Destructive Testing.....	138.29	
23 05 93 00-0059	EA		10" Piping, X-Ray Welds, Non Destructive Testing.....	144.37	
23 05 93 00-0060	EA		12" Piping, X-Ray Welds, Non Destructive Testing.....	150.46	
23 05 93 00-0061			<b>Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0046)</b>		
23 05 93 00-0062			<b>Piping, Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0061)</b>		
23 05 93 00-0063	EA		Up To 3/4" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	92.56	
23 05 93 00-0064	EA		1" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	97.65	
23 05 93 00-0065	EA		1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	102.74	
23 05 93 00-0066	EA		2" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	105.28	
23 05 93 00-0067	EA		3" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	109.10	
23 05 93 00-0068	EA		4" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	112.92	
23 05 93 00-0069	EA		6" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	120.55	
23 05 93 00-0070	EA		8" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	128.18	
23 05 93 00-0071	EA		10" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	135.83	
23 05 93 00-0072	EA		12" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	143.46	
23 05 93 00-0073			<b>Hydrostatic Testing (23 05 93 00-0046)</b> Note: Includes flushing and restoring of system.		
23 05 93 00-0074			<b>Piping, Hydrostatic Testing (23 05 93 00-0073)</b>		
23 05 93 00-0075	EA		Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing.....	669.71	
23 05 93 00-0076	EA		>100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing.....	956.73	
23 05 93 00-0077	EA		>250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,146.35	
23 05 93 00-0078	EA		>500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,526.95	
23 05 93 00-0079	EA		>1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	2,313.55	
23 05 93 00-0080	EA		Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing.....	890.45	
23 05 93 00-0081	EA		>100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,272.45	
23 05 93 00-0082	EA		>250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,514.83	
23 05 93 00-0083	EA		>500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,985.01	
23 05 93 00-0084	EA		>1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	3,002.98	
23 05 93 00-0085	EA		Up To 100', >4" To 10" Piping, Hydrostatic Testing.....	1,160.48	
23 05 93 00-0086	EA		>100' To 250', >4" To 10" Piping, Hydrostatic Testing.....	1,654.19	
23 05 93 00-0087	EA		>250' To 500', >4" To 10" Piping, Hydrostatic Testing.....	1,714.98	
23 05 93 00-0088	EA		>500' To 1,000', >4" To 10" Piping, Hydrostatic Testing.....	2,246.76	
23 05 93 00-0089	EA		>1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing.....	3,398.92	
23 05 93 00-0090	EA		Up To 100', >10" To 14" Piping, Hydrostatic Testing.....	1,506.59	
23 05 93 00-0091	EA		>100' To 250', >10" To 14" Piping, Hydrostatic Testing.....	2,147.89	
23 05 93 00-0092	EA		>250' To 500', >10" To 14" Piping, Hydrostatic Testing.....	2,229.91	
23 05 93 00-0093	EA		>500' To 1,000', >10" To 14" Piping, Hydrostatic Testing.....	2,924.77	
23 05 93 00-0094	EA		>1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing.....	4,431.47	
23 05 93 00-0095			<b>Pneumatic Testing (23 05 93 00-0046)</b> Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.		
23 05 93 00-0096			<b>Piping, Pneumatic Testing (23 05 93 00-0095)</b>		
23 05 93 00-0097	EA		Up To 100', Up To 1-1/2" Piping, Pneumatic Testing..... Note: Includes soaping joints.	761.74	
23 05 93 00-0098	EA		>100' To 250', Up To 1-1/2" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,086.87	
23 05 93 00-0099	EA		>250' To 500', Up To 1-1/2" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,174.38	
23 05 93 00-0100	EA		>500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,504.39	
23 05 93 00-0101	EA		>1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing..... Note: Includes soaping joints.	2,353.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0102	EA		Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing ..... Note: Includes soaping joints.	993.94	
23 05 93 00-0103	EA		>100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing ..... Note: Includes soaping joints.	1,411.30	
23 05 93 00-0104	EA		>250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing ..... Note: Includes soaping joints.	1,526.58	
23 05 93 00-0105	EA		>500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing ..... Note: Includes soaping joints.	1,956.08	
23 05 93 00-0106	EA		>1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing ..... Note: Includes soaping joints.	3,058.86	
23 05 93 00-0107	EA		Up To 100', >4" To 10" Piping, Pneumatic Testing ..... Note: Includes soaping joints.	1,197.25	
23 05 93 00-0108	EA		>100' To 250', >4" To 10" Piping, Pneumatic Testing ..... Note: Includes soaping joints.	1,689.53	
23 05 93 00-0109	EA		>250' To 500', >4" To 10" Piping, Pneumatic Testing ..... Note: Includes soaping joints.	1,877.92	
23 05 93 00-0110	EA		>500' To 1,000', >4" To 10" Piping, Pneumatic Testing ..... Note: Includes soaping joints.	2,399.81	
23 05 93 00-0111	EA		>1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing ..... Note: Includes soaping joints.	3,758.25	
23 05 93 00-0112	EA		Up To 100', >10" To 14" Piping, Pneumatic Testing ..... Note: Includes soaping joints.	1,558.94	
23 05 93 00-0113	EA		>100' To 250', >10" To 14" Piping, Pneumatic Testing ..... Note: Includes soaping joints.	2,196.55	
23 05 93 00-0114	EA		>250' To 500', >10" To 14" Piping, Pneumatic Testing ..... Note: Includes soaping joints.	2,442.08	
23 05 93 00-0115	EA		>500' To 1,000', >10" To 14" Piping, Pneumatic Testing ..... Note: Includes soaping joints.	3,120.45	
23 05 93 00-0116	EA		>1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing ..... Note: Includes soaping joints.	4,893.75	
23 05 93 00-0117	<b>EPA Testing Of Sludge</b> <small>(23 05 93)</small>				
23 05 93 00-0118	EA		Flashpoint And Lead Test For Lead .....	742.92	
23 05 93 00-0119	EA		Air Test/Combustion Gas Level .....	77.64	
23 05 93 00-0120	EA		Toxicity Test For Heavy Metals .....	1,139.44	
23 05 93 00-0121	EA		Aboveground Tank Water Settlement Test Including Water .....	865.02	
23 07	<b>HVAC Insulation</b> <small>(23)</small>				
23 07 13	<b>Duct Insulation</b> <small>(23 07)</small>				
Note: Based on SF surface area of duct to receive insulation.					
23 07 13 00-0001	<b>FSK Fiber Glass Duct Wrap Insulation</b> <small>(23 07 13)</small>				
Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight.					
23 07 13 00-0002	<b>Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation</b> <small>(23 07 13 00-0001)</small>				
23 07 13 00-0003	SF		1" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation .....	3.14	2.12
				<i>For Plain Blanket, With No Facing, Deduct</i>	-0.13
				<i>For Work In Restricted Working Space, Add</i>	0.85
23 07 13 00-0004	SF		1-1/2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation .....	3.66	2.12
				<i>For Plain Blanket, With No Facing, Deduct</i>	-0.14
				<i>For Work In Restricted Working Space, Add</i>	0.99
23 07 13 00-0005	SF		2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation .....	4.17	3.17
				<i>For Plain Blanket, With No Facing, Deduct</i>	-0.16
				<i>For Work In Restricted Working Space, Add</i>	1.13
23 07 13 00-0006	SF		3" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation .....	4.90	3.70
				<i>For Plain Blanket, With No Facing, Deduct</i>	-0.20
				<i>For Work In Restricted Working Space, Add</i>	1.32
23 07 13 00-0007	SF		4" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation .....	5.53	4.02
				<i>For Plain Blanket, With No Facing, Deduct</i>	-0.31
				<i>For Work In Restricted Working Space, Add</i>	1.43
23 07 13 00-0008	<b>Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation</b> <small>(23 07 13 00-0001)</small>				
23 07 13 00-0009	SF		1" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation .....	3.89	3.17
				<i>For Plain Blanket, With No Facing, Deduct</i>	-0.14
				<i>For Work In Restricted Working Space, Add</i>	1.06
23 07 13 00-0010	SF		1-1/2" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation .....	4.51	3.70
				<i>For Plain Blanket, With No Facing, Deduct</i>	-0.18
				<i>For Work In Restricted Working Space, Add</i>	1.22
23 07 13 00-0011	SF		2" Thick, Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation .....	5.33	4.23
				<i>For Plain Blanket, With No Facing, Deduct</i>	-0.21
				<i>For Work In Restricted Working Space, Add</i>	1.44
23 07 13 00-0012	<b>Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation</b> <small>(23 07 13 00-0001)</small>				
23 07 13 00-0013	SF		1" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation .....	4.87	4.23
				<i>For Plain Blanket, With No Facing, Deduct</i>	-0.25
				<i>For Work In Restricted Working Space, Add</i>	1.28
23 07 13 00-0014	SF		1-1/2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation .....	5.92	4.76
				<i>For Plain Blanket, With No Facing, Deduct</i>	-0.43
				<i>For Work In Restricted Working Space, Add</i>	1.46
23 07 13 00-0015	SF		2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation .....	6.89	5.29
				<i>For Plain Blanket, With No Facing, Deduct</i>	-0.50
				<i>For Work In Restricted Working Space, Add</i>	1.69

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 07 HVAC Insulation****23 07 13 Duct Insulation**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0016			<b>3 LB/CF FSK Rigid Fiber Glass Board Insulation</b> <sup>(23 07 13)</sup> Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.		
23 07 13 00-0017	SF		1" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation .....	9.97	6.84
			<i>For Work In Restricted Working Space, Add</i> .....	2.82	
			<i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> .....	17.01	
			<i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> .....	22.94	
			<i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> .....	14.02	
23 07 13 00-0018	SF		1-1/2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation .....	12.78	8.32
			<i>For Work In Restricted Working Space, Add</i> .....	3.43	
			<i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> .....	21.35	
			<i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> .....	28.36	
			<i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> .....	17.51	
23 07 13 00-0019	SF		2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation .....	15.93	10.04
			<i>For Work In Restricted Working Space, Add</i> .....	4.14	
			<i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> .....	26.27	
			<i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> .....	34.59	
			<i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> .....	21.49	
23 07 13 00-0020			<b>4.253 LB/CF FSK Rigid Fiber Glass Board Insulation</b> <sup>(23 07 13)</sup> Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021	SF		1" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation .....	11.19	7.53
			<i>For Work In Restricted Working Space, Add</i> .....	3.10	
23 07 13 00-0022	SF		1-1/2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation .....	14.49	9.15
			<i>For Work In Restricted Working Space, Add</i> .....	3.77	
23 07 13 00-0023	SF		2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation .....	18.54	11.05
			<i>For Work In Restricted Working Space, Add</i> .....	4.55	
23 07 13 00-0024			<b>Sheet Flexible Elastomeric Insulation</b> <sup>(23 07 13)</sup>		
23 07 13 00-0025	SF		3/8" Thick, Sheet Flexible Elastomeric Insulation .....	8.47	2.85
23 07 13 00-0026	SF		1/2" Thick, Sheet Flexible Elastomeric Insulation .....	9.04	3.01
23 07 13 00-0027	SF		3/4" Thick, Sheet Flexible Elastomeric Insulation .....	11.85	3.17
23 07 13 00-0028	SF		1" Thick, Sheet Flexible Elastomeric Insulation .....	13.65	3.33
23 07 13 00-0029	SF		1-1/2" Thick, Sheet Flexible Elastomeric Insulation .....	18.90	3.65
23 07 13 00-0030	SF		2" Thick, Sheet Flexible Elastomeric Insulation .....	22.34	3.97
23 07 13 00-0031			<b>Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation</b> <sup>(23 07 13)</sup> Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032	SF		1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	12.51	3.01
23 07 13 00-0033	SF		3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	13.76	3.17
23 07 13 00-0034	SF		1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	15.32	3.33
23 07 13 00-0035	SF		1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	23.88	3.65
23 07 13 00-0036	SF		2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	28.29	3.97
23 07 13 00-0037			<b>Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation</b> <sup>(23 07 13)</sup> Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038	SF		1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	14.98	3.01
23 07 13 00-0039	SF		3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	16.23	3.17
23 07 13 00-0040	SF		1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	18.22	3.33
23 07 13 00-0041	SF		1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	26.75	3.65
23 07 16			<b>HVAC Equipment Insulation</b> <sup>(23 07)</sup>		
23 07 16 00-0001			<b>Calcium Silicate Block Insulation</b> <sup>(23 07 16)</sup>		
23 07 16 00-0002	SF		1" Thick, Calcium Silicate Block Insulation .....	19.51	8.22
			<i>For Work In Restricted Working Space, Add</i> .....	4.93	
23 07 16 00-0003	SF		1-1/2" Thick, Calcium Silicate Block Insulation .....	23.11	9.25
			<i>For Work In Restricted Working Space, Add</i> .....	5.55	
23 07 16 00-0004	SF		2" Thick, Calcium Silicate Block Insulation .....	27.56	10.66
			<i>For Work In Restricted Working Space, Add</i> .....	6.42	
23 07 16 00-0005	SF		2-1/2" Thick, Calcium Silicate Block Insulation .....	32.74	12.52
			<i>For Work In Restricted Working Space, Add</i> .....	7.51	
23 07 16 00-0006	SF		3" Thick, Calcium Silicate Block Insulation .....	40.05	15.41
			<i>For Work In Restricted Working Space, Add</i> .....	9.24	
23 07 19			<b>HVAC Piping Insulation</b> <sup>(23 07)</sup>		
			See CSI section 22 07 19 00-0000 for pipe insulation.		
23 07 19 00-0001			<b>Calcium Silicate Pipe Insulation</b> <sup>(23 07 19)</sup> Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0521 for protective jacketing.		
23 07 19 00-0002			<b>1" Thick, Calcium Silicate Pipe Insulation</b> <sup>(23 07 19 00-0001)</sup>		
23 07 19 00-0003	LF		1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	14.13	3.48
			<i>For Work In Restricted Working Space, Add</i> .....	2.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0004	LF		3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.13 2.61	3.48
23 07 19 00-0005	LF		1" Diameter Pipe, 1" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.03 2.65	3.53
23 07 19 00-0006	LF		1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.24 2.68	3.58
23 07 19 00-0007	LF		1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.42 2.72	3.63
23 07 19 00-0008	LF		2" Diameter Pipe, 1" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.49 2.80	3.73
23 07 19 00-0009	LF		2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	16.21 2.91	3.88
23 07 19 00-0010	LF		3" Diameter Pipe, 1" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	16.95 2.98	3.98
23 07 19 00-0011	LF		4" Diameter Pipe, 1" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	19.46 3.21	4.28
23 07 19 00-0012	LF		6" Diameter Pipe, 1" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	21.65 3.62	4.83
<b>23 07 19 00-0013</b>			<b>1-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0014	LF		1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.80 2.72	3.62
23 07 19 00-0015	LF		3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.89 2.72	3.62
23 07 19 00-0016	LF		1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	15.97 2.88	3.84
23 07 19 00-0017	LF		1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	16.64 2.93	3.91
23 07 19 00-0018	LF		1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	17.33 2.99	3.98
23 07 19 00-0019	LF		2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.63 3.15	4.20
23 07 19 00-0020	LF		2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	19.56 3.20	4.27
23 07 19 00-0021	LF		3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.31 3.31	4.41
23 07 19 00-0022	LF		4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.68 3.58	4.78
23 07 19 00-0023	LF		6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	26.29 4.18	5.57
23 07 19 00-0024	LF		8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	31.08 4.41	5.88
23 07 19 00-0025	LF		10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	39.28 5.28	7.04
23 07 19 00-0026	LF		12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	46.22 6.15	8.20
23 07 19 00-0027	LF		14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	51.53 6.74	8.99
23 07 19 00-0028	LF		16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	61.14 8.58	11.45
23 07 19 00-0029	LF		18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	66.00 9.01	12.01
<b>23 07 19 00-0030</b>			<b>2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0031	LF		1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	19.03 2.98	3.98
23 07 19 00-0032	LF		3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	19.52 2.98	3.98
23 07 19 00-0033	LF		1" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	20.17 3.02	4.03
23 07 19 00-0034	LF		1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	21.02 3.06	4.08
23 07 19 00-0035	LF		1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	21.60 3.10	4.13
23 07 19 00-0036	LF		2" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	22.54 3.21	4.28
23 07 19 00-0037	LF		2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	25.32 3.32	4.43
23 07 19 00-0038	LF		3" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	25.76 3.44	4.58
23 07 19 00-0039	LF		4" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	28.62 3.62	4.84
23 07 19 00-0040	LF		6" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	35.13 4.35	5.80
23 07 19 00-0041	LF		8" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	39.87 4.59	6.12
23 07 19 00-0042	LF		10" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	49.18 5.50	7.32
23 07 19 00-0043	LF		12" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	56.22 6.58	8.78
23 07 19 00-0044	LF		14" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	68.30 9.18	12.24
23 07 19 00-0045	LF		16" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	72.16 9.18	12.24
23 07 19 00-0046	LF		18" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	77.46 9.64	12.85

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0047	LF		20" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	92.56 11.02	14.69
23 07 19 00-0048	LF		24" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	107.56 13.31	17.74
<b>23 07 19 00-0049</b>			<b>2-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0050	LF		1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	22.90 3.44	4.58
23 07 19 00-0051	LF		3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	23.42 3.44	4.58
23 07 19 00-0052	LF		1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	23.82 3.50	4.66
23 07 19 00-0053	LF		1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	24.05 3.52	4.70
23 07 19 00-0054	LF		1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	24.70 3.55	4.74
23 07 19 00-0055	LF		2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	25.75 3.70	4.93
23 07 19 00-0056	LF		2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	29.11 3.82	5.10
23 07 19 00-0057	LF		3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	29.56 3.96	5.28
23 07 19 00-0058	LF		4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	34.34 4.17	5.56
23 07 19 00-0059	LF		6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	43.00 4.74	6.33
23 07 19 00-0060	LF		8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	49.13 5.29	7.05
23 07 19 00-0061	LF		10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	58.79 6.10	8.13
23 07 19 00-0062	LF		12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	68.17 7.58	10.11
23 07 19 00-0063	LF		14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	75.47 8.27	11.03
23 07 19 00-0064	LF		16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	91.35 10.57	14.10
23 07 19 00-0065	LF		18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	96.50 11.10	14.80
23 07 19 00-0066	LF		20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	112.05 12.69	16.92
23 07 19 00-0067	LF		24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	131.43 15.33	20.44
<b>23 07 19 00-0068</b>			<b>3" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0069	LF		1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	29.16 3.81	5.08
23 07 19 00-0070	LF		3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	29.27 3.81	5.08
23 07 19 00-0071	LF		1" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	29.53 3.85	5.13
23 07 19 00-0072	LF		1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	29.85 3.87	5.17
23 07 19 00-0073	LF		1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	30.13 3.92	5.22
23 07 19 00-0074	LF		2" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	31.14 4.06	5.41
23 07 19 00-0075	LF		2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	34.72 4.20	5.60
23 07 19 00-0076	LF		3" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	35.38 4.35	5.80
23 07 19 00-0077	LF		4" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	41.99 4.59	6.13
23 07 19 00-0078	LF		6" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	49.92 5.21	6.95
23 07 19 00-0079	LF		8" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	58.13 5.81	7.75
23 07 19 00-0080	LF		10" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	69.15 6.71	8.94
23 07 19 00-0081	LF		12" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	79.55 8.34	11.11
23 07 19 00-0082	LF		14" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	88.39 9.10	12.13
23 07 19 00-0083	LF		16" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	102.90 11.63	15.51
23 07 19 00-0084	LF		18" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	111.13 12.21	16.28
23 07 19 00-0085	LF		20" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	130.31 13.97	18.62
23 07 19 00-0086	LF		24" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	153.95 16.87	22.49
<b>23 07 19 00-0087</b>			<b>3-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0088	LF		1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	37.53 4.17	5.56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0089	LF		3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	39.02 4.17	5.56
23 07 19 00-0090	LF		1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	39.10 4.20	5.60
23 07 19 00-0091	LF		1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	39.20 4.23	5.63
23 07 19 00-0092	LF		1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	40.48 4.28	5.70
23 07 19 00-0093	LF		2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	43.01 4.43	5.89
23 07 19 00-0094	LF		2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	46.83 4.58	6.11
23 07 19 00-0095	LF		3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	48.49 4.74	6.33
23 07 19 00-0096	LF		4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	55.44 5.01	6.68
23 07 19 00-0097	LF		6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	61.81 5.69	7.59
23 07 19 00-0098	LF		8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	75.58 6.34	8.45
23 07 19 00-0099	LF		10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	92.05 7.31	9.75
23 07 19 00-0100	LF		12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	111.32 9.09	12.12
23 07 19 00-0101	LF		14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	117.09 9.93	13.24
23 07 19 00-0102	LF		16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	135.95 12.69	16.92
23 07 19 00-0103	LF		18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	156.84 13.32	17.76
23 07 19 00-0104	LF		20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	168.77 15.24	20.32
<b>23 07 19 00-0105 4" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>					
23 07 19 00-0106	LF		1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	47.17 4.64	6.18
23 07 19 00-0107	LF		3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	47.22 4.64	6.18
23 07 19 00-0108	LF		1" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	47.49 4.72	6.29
23 07 19 00-0109	LF		1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	48.84 4.77	6.36
23 07 19 00-0110	LF		1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	51.79 4.92	6.56
23 07 19 00-0111	LF		2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	52.84 5.07	6.76
23 07 19 00-0112	LF		2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	57.91 5.15	6.87
23 07 19 00-0113	LF		3" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	59.56 5.34	7.12
23 07 19 00-0114	LF		4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	67.84 5.64	7.52
23 07 19 00-0115	LF		6" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	78.55 6.40	8.52
23 07 19 00-0116	LF		8" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	93.85 7.13	9.51
23 07 19 00-0117	LF		10" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	108.05 8.24	10.98
23 07 19 00-0118	LF		12" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	122.59 10.23	13.64
23 07 19 00-0119	LF		14" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	130.22 11.18	14.90
23 07 19 00-0120	LF		16" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	153.63 14.29	19.05
23 07 19 00-0121	LF		18" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	163.50 14.97	19.97
23 07 19 00-0122	LF		20" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	180.64 17.14	22.85
<b>23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>					
23 07 19 00-0124	SF		1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET) <i>For Work In Restricted Working Space, Add</i>	4.90 0.98	
<b>23 08 Commissioning of HVAC (23)</b>					
See CSI section 23 05 93 00-0000 for testing and balancing.					
<b>23 09 Instrumentation and Control for HVAC (23)</b>					
<b>23 09 23 Direct-Digital Control System for HVAC (23 09)</b>					
<b>23 09 23 11 Control Valves (23 09 23)</b>					
<b>23 09 23 11-0001 Valves With Actuator (23 09 23 11)</b>					
23 09 23 11-0002	EA		1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	571.53	13.14

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0003	EA		3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US).....	591.78	17.71
23 09 23 11-0004	EA		1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US).....	648.06	21.43
23 09 23 11-0005	EA		1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US).....	707.84	27.14
23 09 23 11-0006	EA		1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US).....	806.36	31.32
23 09 23 11-0007	EA		2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US).....	911.61	37.01
23 09 23 11-0008	EA		2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1).....	1,705.76	74.03
23 09 23 11-0009	EA		3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1).....	1,850.30	86.63
23 09 23 11-0010	EA		4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1).....	2,499.33	127.25
23 09 23 11-0011	EA		5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1).....	3,675.77	183.89
23 09 23 11-0012	EA		6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1).....	4,071.45	203.60
23 09 23 11-0013	EA		1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US).....	615.85	19.70
23 09 23 11-0014	EA		3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US).....	635.91	26.56
23 09 23 11-0015	EA		1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US).....	689.52	32.14
23 09 23 11-0016	EA		1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US).....	765.28	40.72
23 09 23 11-0017	EA		1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US).....	982.02	46.98
23 09 23 11-0018	EA		2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US).....	1,089.97	55.53
23 09 23 11-0019	EA		2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1).....	1,927.48	111.06
23 09 23 11-0020	EA		3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1).....	2,120.07	129.95
23 09 23 11-0021	EA		4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2"GMX24-MFTX1).....	3,085.46	190.87
23 09 23 11-0022	EA		5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2"GMX24-MFTX1).....	4,475.18	275.83
23 09 23 11-0023	EA		6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2"GMX24-MFTX1).....	4,974.74	305.39
23 09 23 11-0024	EA		1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC).....	112.59	13.14
23 09 23 11-0025	EA		3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC).....	132.95	17.71
23 09 23 11-0026	EA		1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC).....	167.44	21.43
23 09 23 11-0027	EA		1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC).....	137.96	19.70
23 09 23 11-0028	EA		3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC).....	161.48	26.56
23 09 23 11-0029	EA		1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC).....	201.90	32.14
23 09 23 11-0030	EA		1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3).....	186.77	13.14
23 09 23 11-0031	EA		3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3).....	221.55	17.71
23 09 23 11-0032	EA		1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3).....	252.11	21.43
23 09 23 11-0033	EA		1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3).....	327.95	27.14
23 09 23 11-0034	EA		1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3).....	339.45	31.32
23 09 23 11-0035	EA		2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3).....	432.25	37.01
23 09 23 11-0036	EA		2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3).....	928.19	74.03
23 09 23 11-0037	EA		3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3).....	1,089.76	86.63
23 09 23 11-0038	EA		1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3).....	226.56	19.70
23 09 23 11-0039	EA		3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3).....	262.25	26.56
23 09 23 11-0040	EA		1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3).....	338.33	32.14
23 09 23 11-0041	EA		1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3).....	479.72	40.72
23 09 23 11-0042	EA		1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3).....	505.98	46.98
23 09 23 11-0043	EA		2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3).....	670.14	55.53
23 09 23 11-0044	EA		2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1).....	548.65	67.86
23 09 23 11-0045	EA		2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1).....	576.28	74.03
23 09 23 11-0046	EA		3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1).....	756.94	86.63
23 09 23 11-0047	EA		4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2"GMB24-3X1).....	1,156.58	145.42
23 09 23 11-0048	EA		5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24).....	2,321.77	183.89
23 09 23 11-0049	EA		6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24).....	2,450.11	203.60
23 09 23 11-0050	EA		8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24).....	3,330.16	232.68
23 09 23 11-0051	EA		10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24).....	4,085.80	285.03
23 09 23 11-0052	EA		12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24).....	5,049.07	345.49
23 09 23 11-0053	EA		14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24).....	5,612.02	407.18
23 09 23 11-0054	EA		16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110).....	7,416.60	447.90
23 09 23 11-0055	EA		18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110).....	8,986.14	497.58
23 09 23 11-0056	EA		2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1).....	1,012.47	101.80
23 09 23 11-0057	EA		2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1).....	1,192.19	111.06
23 09 23 11-0058	EA		3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2"GMB24-3X1).....	1,471.41	129.95
23 09 23 11-0059	EA		4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2"GMB24-3X1).....	1,890.38	218.14
23 09 23 11-0060	EA		5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24).....	3,862.70	275.83
23 09 23 11-0061	EA		6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24).....	4,000.27	305.39
23 09 23 11-0062	EA		8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24).....	5,040.97	349.05
23 09 23 11-0063	EA		10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24).....	6,670.88	427.54
23 09 23 11-0064	EA		12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24).....	8,108.36	518.24
23 09 23 11-0065	EA		14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110).....	12,643.41	610.78
23 09 23 11-0066	EA		16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110).....	14,097.61	671.86
23 09 23 11-0067	EA		18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110).....	21,683.21	746.38

**23 09 23 11-0068 Valve Actuators (23 09 23 11)**

23 09 23 11-0069	EA		24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T).....	390.77	84.10
23 09 23 11-0070	EA		24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3).....	396.59	84.10
23 09 23 11-0071	EA		24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T).....	458.81	84.10
23 09 23 11-0072	EA		24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S).....	444.90	84.10
23 09 23 11-0073	EA		24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR).....	453.39	84.10
23 09 23 11-0074	EA		24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT).....	509.13	84.10
23 09 23 11-0075	EA		24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1).....	568.81	84.10
23 09 23 11-0076	EA		24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95).....	580.02	84.10
23 09 23 11-0077	EA		24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT).....	607.08	84.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0078 EA 120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3).....	447.35	84.10
23 09 23 11-0079 EA 120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR).....	504.12	84.10
23 09 23 11-0080 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T).....	481.51	84.10
23 09 23 11-0081 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3).....	490.02	84.10
23 09 23 11-0082 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14).....	493.20	84.10
23 09 23 11-0083 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S).....	551.06	84.10
23 09 23 11-0084 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T).....	576.01	84.10
23 09 23 11-0085 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR).....	589.26	84.10
23 09 23 11-0086 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT).....	586.63	84.10
23 09 23 11-0087 EA 24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC).....	595.11	84.10
23 09 23 11-0088 EA 24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95).....	594.58	84.10
23 09 23 11-0089 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4).....	649.63	84.10
23 09 23 11-0090 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4).....	788.86	84.10
23 09 23 11-0091 EA 100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3).....	522.39	84.10
23 09 23 11-0092 EA 100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR).....	624.32	84.10
23 09 23 11-0093 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24).....	1,423.69	84.10
23 09 23 11-0094 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24).....	1,597.78	84.10
23 09 23 11-0095 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24).....	1,919.97	84.10
23 09 23 11-0096 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24).....	2,176.35	84.10
23 09 23 11-0097 EA 120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110).....	2,578.16	84.10
23 09 23 11-0098 EA 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110).....	3,038.90	84.10
23 09 23 11-0099 EA 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110).....	4,098.37	84.10
23 09 23 11-0100 EA 120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110).....	5,005.49	84.10

**23 09 23 12 Control Dampers (23 09 23)**

**23 09 23 12-0001 Rectangular Galvanized Volume Control Dampers (23 09 23 12)**

Note: Excludes actuators.

23 09 23 12-0002 EA 8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008).....	179.62	43.23
23 09 23 12-0003 EA 10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010).....	201.60	47.41
23 09 23 12-0004 EA 12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012).....	224.94	52.29
23 09 23 12-0005 EA 14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014).....	260.68	61.35
23 09 23 12-0006 EA 16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016).....	295.00	69.72
23 09 23 12-0007 EA 18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018).....	303.63	78.43
23 09 23 12-0008 EA 20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020).....	366.58	87.15
23 09 23 12-0009 EA 24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024).....	438.13	104.57
23 09 23 12-0010 EA 32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032).....	554.45	122.00
23 09 23 12-0011 EA 48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048).....	795.52	139.42
23 09 23 12-0012 EA 60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060).....	1,393.30	156.85
23 09 23 12-0013 EA 72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072).....	1,753.29	174.28

**23 09 23 12-0014 Round Galvanized Control Dampers (23 09 23 12)**

Note: Excludes actuators.

23 09 23 12-0015 EA 6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06).....	179.05	48.80
23 09 23 12-0016 EA 8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08).....	186.11	52.29
23 09 23 12-0017 EA 10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10).....	192.64	52.29
23 09 23 12-0018 EA 12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12).....	214.65	59.26
23 09 23 12-0019 EA 14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14).....	238.86	59.26
23 09 23 12-0020 EA 16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16).....	262.72	69.72
23 09 23 12-0021 EA 18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18).....	351.67	73.38
23 09 23 12-0022 EA 20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20).....	367.14	76.06
23 09 23 12-0023 EA 22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22).....	390.67	82.00
23 09 23 12-0024 EA 24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24).....	414.57	87.93

**23 09 23 12-0025 Remote Damper Control (23 09 23 12)**

23 09 23 12-0026 EA Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B).....	292.85	
For Each 10' Flexible Casing And Wire, Add	28.57	
23 09 23 12-0027 EA Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B).....	287.01	
For Each 10' Flexible Casing And Wire, Add	28.57	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
<b>23 09 23 13</b>		<b>Energy Meters</b> (23 09 23)			
<b>23 09 23 13-0001</b>		<b>Surge Protectors</b> (23 09 23 13)			
23 09 23 13-0002	EA	Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	247.16		7.72
23 09 23 13-0003	EA	Surge Protector, 1AC Outlet (Transtector TR2251)	187.04		7.72
23 09 23 13-0004	EA	Surge Protector, 2 AC Outlets (Transtector TR2254)	290.49		7.72
23 09 23 13-0005	EA	Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	157.68		7.72
23 09 23 13-0006	EA	Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	157.68		7.72
23 09 23 13-0007	EA	Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	157.68		7.72
23 09 23 13-0008	EA	Surge Protector, Individual Wire Connection (Transtector TR2258)	227.60		7.72
23 09 23 13-0009	EA	Surge Protector, Trane Communication Links (Transtector TR2257)	140.90		7.72
<b>23 09 23 14</b>		<b>Flow Instruments</b> (23 09 23)			
<b>23 09 23 14-0001</b>		<b>Water Flow Meters</b> (23 09 23 14)			
23 09 23 14-0002	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500) Note: Excludes pipe fittings.	3,705.79		89.96
<b>23 09 23 14-0003</b>		<b>Air Flow Monitoring Stations</b> (23 09 23 14)			
23 09 23 14-0004	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116). Note: 10' cable, 36" x 24" typical duct size.	3,006.63		133.85
23 09 23 14-0005	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116). Note: 10' cable, 48" x 36" typical duct size.	4,262.74		133.85
23 09 23 14-0006	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116). Note: 10' cable, 60" x 48" typical duct size.	5,274.81		133.85
<b>23 09 23 16</b>		<b>Gas Instruments</b> (23 09 23)			
<b>23 09 23 16-0001</b>		<b>Gas Sensors</b> (23 09 23 16)			
23 09 23 16-0002	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B)	1,533.82		46.30
23 09 23 16-0003	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	680.21		30.87
23 09 23 16-0004	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2) Note: Solid state sensor.	1,221.19		46.30
23 09 23 16-0005	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	670.12		55.56
<b>23 09 23 19</b>		<b>Moisture Instruments</b> (23 09 23)			
<b>23 09 23 19-0001</b>		<b>Relative Humidity Sensors</b> (23 09 23 19)			
23 09 23 19-0002	EA	3% Duct Mounted RH Sensor (Kele HD30K)	422.39		55.56
23 09 23 19-0003	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	433.56		55.56
23 09 23 19-0004	EA	3% RH Outdoor Air Sensor (Kele HO30K)	494.20		77.16
23 09 23 19-0005	EA	2% Surface Mounted RH Transmitter (Kele HW20K)	377.72		30.87
<b>23 09 23 21</b>		<b>Motion Instruments</b> (23 09 23)			
<b>23 09 23 21-0001</b>		<b>Peco Motion Sensors</b> (23 09 23 21)			
23 09 23 21-0002	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001)	139.44		21.70
23 09 23 21-0003	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001)	136.78		21.70
23 09 23 21-0004	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001)	181.49		21.70
23 09 23 21-0005	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002)	161.76		21.70
23 09 23 21-0006	EA	Door Switch Occupancy Sensor (Peco SE200-001)	53.32		21.70
23 09 23 21-0007	EA	Window Switch Occupancy Sensor (Peco SE200-002)	49.64		21.70
23 09 23 21-0008	EA	Power Pack And Controller (Peco SF200-001)	87.45		21.70
<b>23 09 23 23</b>		<b>Pressure Instruments</b> (23 09 23)			
<b>23 09 23 23-0001</b>		<b>Pressure Sensors</b> (23 09 23 23)			
23 09 23 23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005)	561.24		65.16
23 09 23 23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050)	501.22		65.16
23 09 23 23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222)	210.79		65.16
23 09 23 23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262)	217.76		65.16
23 09 23 23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460)	231.41		65.16
23 09 23 23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145)	215.74		65.16
23 09 23 23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA) Note: Excludes pipe fittings.	2,022.24		65.16
23 09 23 23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA) Note: Excludes pipe fittings.	2,022.24		65.16
23 09 23 23-0010	EA	Magnahelic Gauge	552.28		39.84
<b>23 09 23 23-0011</b>		<b>Room Pressure Monitoring</b> (23 09 23 23)			
23 09 23 23-0012	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	2,483.40		69.72
23 09 23 23-0013	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC) Note: Excludes dampers and actuators.	3,942.75		69.72
23 09 23 23-0014	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4)	332.06		41.83
23 09 23 23-0015	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	378.64		41.83

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 09 23 27 Temperature Instruments (23 09 23)**

**23 09 23 27-0001 Air Temperature Sensors (23 09 23 27)**

23 09 23 27-0002	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24).....	164.99	55.56
23 09 23 27-0003	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO).....	225.01	55.56
23 09 23 27-0004	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG).....	171.89	55.56
23 09 23 27-0005	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH).....	178.97	55.56
23 09 23 27-0006	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18).....	181.33	55.56
23 09 23 27-0007	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6).....	179.00	55.56
23 09 23 27-0008	EA	10K Ohm Thermistor Duct Temperature Sensor With Non Metallic Handibox Housing (Kele ST-D24-XHP).....	180.25	55.56
23 09 23 27-0009	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4).....	192.18	55.56
23 09 23 27-0010	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW).....	202.60	55.56
23 09 23 27-0011	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24).....	248.07	77.16
23 09 23 27-0012	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25).....	256.09	77.16
23 09 23 27-0013	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF).....	111.07	30.87
23 09 23 27-0014	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R).....	114.02	30.87
23 09 23 27-0015	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP).....	106.26	30.87

**23 09 23 27-0016 Water Temperature Sensors (23 09 23 27)**

23 09 23 27-0017	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001).....	131.62	59.71
23 09 23 27-0018	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005).....	303.71	59.71

**23 09 23 27-0019 Peco Thermostats (23 09 23 27)**

23 09 23 27-0020	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ).....	292.75	14.47
23 09 23 27-0021	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001).....	262.16	14.47

**23 09 23 53 Proprietary Control Systems (23 09 23)**

**23 09 23 53-0001 Primary Control Devices (23 09 23 53)**

**23 09 23 53-0002 Energy Management - Building Management System (23 09 23 53-0001)**

23 09 23 53-0003	EA	Global Control Modules.....	988.17	116.51
23 09 23 53-0004	EA	MicroZone II Digital Controller.....	685.04	72.82
23 09 23 53-0005	EA	MicroFlo II Variable Air Volume Digital Controller.....	384.74	62.91
23 09 23 53-0006	EA	VAV Box DDC Controllers.....	493.48	68.74
23 09 23 53-0007	EA	Lighting Control Relay Cabinet.....	1,329.13	233.02
23 09 23 53-0008	EA	Flow Transmitter Assembly - Water (Turbine Type).....	1,050.80	174.76
23 09 23 53-0009	EA	Pressure Transmitter Assembly - Air Streams.....	375.44	58.25
23 09 23 53-0010	EA	Differential Pressure Transmitter Assembly - Water.....	321.50	58.25
23 09 23 53-0011	EA	Watt Transducer.....	504.90	58.25
23 09 23 53-0012	EA	Differential Pressure Switch - Liquid.....	245.99	58.25
23 09 23 53-0013	EA	Differential Pressure Switch - Air.....	213.62	58.25
23 09 23 53-0014	EA	Differential Pressure Switch - Filters - Indicating.....	235.20	58.25
23 09 23 53-0015	EA	Damper End Switch.....	299.92	58.25
23 09 23 53-0016	EA	Automatic Dampers.....	723.08	74.56

**23 09 23 53-0017 EMCS General Costs (23 09 23 53)**

**23 09 23 53-0018 EMCS System Design Engineering (23 09 23 53-0017)**

Note: Hourly labor rates are used for engineering projects only. Not used in conjunction with construction tasks.

23 09 23 53-0019	HR	EMCS Site Inspection Of Existing Facilities.....	238.73	
23 09 23 53-0020	HR	EMCS Engineering Project Management.....	238.73	
23 09 23 53-0021	HR	EMCS System Engineering, Schematic Design And Layout.....	253.20	
23 09 23 53-0022	HR	EMCS System Software Programming And Graphics Programming.....	253.20	
23 09 23 53-0023	HR	EMCS Graphics Picture Creation.....	162.83	
23 09 23 53-0024	HR	EMCS System Controls Training.....	238.73	
23 09 23 53-0025	HR	EMCS On Site System Diagnostics Field Technician.....	238.73	
23 09 23 53-0026	HR	EMCS Remote Technical Support Using Phone Or Internet.....	198.99	
23 09 23 53-0027	HR	EMCS Travel Time (All Personnel).....	206.23	

**23 09 23 53-0028 Field Tests, Checkout And Commissioning (23 09 23 53-0017)**

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

23 09 23 53-0029	PNT	EMCS Field Test.....	126.65	
		Note: Priced per point.		
23 09 23 53-0030	PNT	EMCS Field Checkout And Startup.....	126.65	
		Note: Priced per point.		
23 09 23 53-0031	PNT	EMCS Field Commissioning.....	126.65	
		Note: Priced per point.		
23 09 23 53-0032	EA	EMCS Field Balance Support.....	108.51	
		Note: Priced per controller.		

**23 09 23 53-0033 EMCS System Engineering/Submittal Design And Layout (23 09 23 53-0017)**

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0034	PNT		EMCS System Engineering/Submittal Design And Layout..... Note: Priced per point.	42.24	
<b>23 09 23 53-0035</b>			<b>Alerton Controls</b> <small>(23 09 23 53)</small>		
23 09 23 53-0036	EA		50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL).....	8,861.94	
23 09 23 53-0037	EA		150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM).....	11,530.38	
23 09 23 53-0038	EA		Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM).....	29,961.15	
23 09 23 53-0039	EA		Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE).....	22,348.44	
23 09 23 53-0040	EA		Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE).....	58,408.61	
23 09 23 53-0041	EA		Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE).....	45,955.03	
23 09 23 53-0042	EA		Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE).....	70,428.65	
23 09 23 53-0043	EA		Alerton Building Suite Tech License (Alerton ABS-3-TECH).....	1,903.43	
23 09 23 53-0044	EA		Enterprise Edition With SQL Server Support, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-ENT1).....	26,403.20	
23 09 23 53-0045	EA		Unlimited Controllers, Unlimited Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-LRG).....	19,179.14	
23 09 23 53-0046	EA		150 Controllers, 3 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-MED).....	11,474.30	
23 09 23 53-0047	EA		50 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-SM).....	6,894.65	
23 09 23 53-0048	EA		10 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-XS).....	2,603.92	
23 09 23 53-0049	EA		1 Ethernet, 1 MS/TP, BACTalk Control Module (Alerton 715000100).....	4,843.67	231.50
23 09 23 53-0050	EA		Foreign Protocol Converter For P1 Systems, BACTalk Control Module (Alerton BCM-FPCS).....	7,186.36	308.67
23 09 23 53-0051	EA		Modbus Gateway, BACTalk Control Module (Alerton BCM-MDBS).....	7,088.59	308.67
23 09 23 53-0052	EA		V.90/56K Modem, BACTalk Control Module (Alerton BCM-MDM).....	2,479.71	231.50
23 09 23 53-0053	EA		1 MS/TP, BACTalk Control Module (Alerton 715000300).....	3,052.67	231.50
23 09 23 53-0054	EA		Power Supply, BACTalk Control Module (Alerton BCM-PWS).....	2,303.41	231.50
23 09 23 53-0055	EA		1 TUX Trunk, BACTalk Control Module (Alerton BCM-TUX).....	2,921.26	231.50
23 09 23 53-0056	EA		Web Server And Configurator CD, BACTalk Control Module (Alerton BCM-WEB).....	7,223.63	231.50
23 09 23 53-0057	EA		BACTalk Field Level Gateway For Modbus (Alerton FLG-MODBUS).....	3,109.96	308.67
23 09 23 53-0058	EA		EXP BACnet Controller (Alerton VLX).....	6,897.04	617.34
23 09 23 53-0059	EA		VLX BACnet High Performance Controller (Alerton VLX-PLATINUM).....	8,151.15	617.34
23 09 23 53-0060	EA		Multiple Segment MS/TP Repeater (Alerton MSTP-REP).....	1,088.13	68.73
23 09 23 53-0061	EA		4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD).....	1,978.88	231.50
23 09 23 53-0062	EA		4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7).....	2,111.11	231.50
23 09 23 53-0063	EA		4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD).....	1,654.34	231.50
23 09 23 53-0064	EA		4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A).....	1,838.66	231.50
23 09 23 53-0065	EA		5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAViH-SD).....	1,830.64	231.50
23 09 23 53-0066	EA		11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACTalk Field Controller For Central Plant Systems (Alerton VLC-1188).....	2,888.41	231.50
23 09 23 53-0067	EA		16 Inputs, BACTalk Field Controller (Alerton VLC-1600).....	2,159.99	231.50
23 09 23 53-0068	EA		16 Inputs, 16 Binary Triac Outputs, BACTalk Field Controller (Alerton VLC-16160).....	3,282.26	308.67
23 09 23 53-0069	EA		4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444).....	1,434.38	154.34
23 09 23 53-0070	EA		5 Inputs, 5 Binary Outputs, BACTalk Field Controller (Alerton VLC-550).....	1,381.48	154.34
23 09 23 53-0071	EA		6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-651R).....	1,850.67	231.50
23 09 23 53-0072	EA		6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-660R).....	1,850.67	231.50
23 09 23 53-0073	EA		8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACTalk Field Controller (Alerton VLC-853).....	2,277.78	231.50
23 09 23 53-0074	EA		16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688).....	4,685.40	308.67
23 09 23 53-0075	EA		2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362).....	1,926.80	231.50
23 09 23 53-0076	EA		Wireless Door Contact Sensor (Alerton AL-OC-DS).....	138.44	8.68
23 09 23 53-0077	EA		One-Speed BACTalk Microset Wall Sensor (Alerton MS-1010-BT).....	231.72	8.68
23 09 23 53-0078	EA		One-Speed BACTalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT).....	609.95	8.68
23 09 23 53-0079	EA		Three-Speed BACTalk Microset Wall Sensor (Alerton MS-1030-BT).....	609.95	8.68
23 09 23 53-0080	EA		Three-Speed BACTalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT).....	472.13	8.68
23 09 23 53-0081	EA		BACnet-Compliant Wall Sensor (Alerton TS-1050-BT).....	151.59	8.68
23 09 23 53-0082	EA		Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT).....	644.41	8.68
23 09 23 53-0083	EA		Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT).....	724.56	8.68
23 09 23 53-0084	EA		10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0).....	2,880.39	231.50
23 09 23 53-0085	EA		10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8).....	3,077.01	231.50
23 09 23 53-0086	EA		22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0).....	2,907.64	231.50
23 09 23 53-0087	EA		50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM).....	7,612.80	
23 09 23 53-0088	EA		Global Controller Base Unit (Alerton ACM).....	4,137.51	231.50
23 09 23 53-0089	EA		External Battery Pack For ACM (Alerton ACM-BATT).....	899.55	128.77
23 09 23 53-0090	EA		Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032).....	717.73	
23 09 23 53-0091	EA		Microset 4 Wall Sensor (Alerton MS4-THC).....	826.65	8.68
<b>23 09 23 53-0092</b>			<b>Automated Logic Controls</b> <small>(23 09 23 53)</small>		
23 09 23 53-0093	EA		0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100).....	3,278.38	231.50
23 09 23 53-0094	EA		0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320).....	7,143.27	694.51
23 09 23 53-0095	EA		2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx).....	2,185.32	231.50
23 09 23 53-0096	EA		4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx).....	4,806.23	308.67
23 09 23 53-0097	EA		8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx).....	4,724.66	308.67
23 09 23 53-0098	EA		16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160).....	7,491.58	617.34
23 09 23 53-0099	EA		8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx).....	4,194.44	308.67
23 09 23 53-0100	EA		0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320).....	4,289.87	231.50
23 09 23 53-0101	EA		16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160).....	7,002.15	617.34
23 09 23 53-0102	EA		No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642).....	1,424.17	154.34
23 09 23 53-0103	EA		With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D).....	1,516.13	154.34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0104	EA		3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+).....	2,494.88	154.34
23 09 23 53-0105	EA		1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+).....	2,403.11	154.34
23 09 23 53-0106	EA		Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF).....	1,973.23	231.50
23 09 23 53-0107	EA		Unlimited Points, Front End Software For Building Control (Automated Logic WC).....	13,000.94	
23 09 23 53-0108	EA		500 Point, Front End Software For Building Control (Automated Logic WC500).....	8,025.05	
23 09 23 53-0109	EA		Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE).....	10,968.17	
<b>23 09 23 53-0110 Cypress Envirosystems Controls (23 09 23 53)</b>					
<b>23 09 23 53-0111 Wireless Pneumatic Thermostat (23 09 23 53-0110)</b>					
Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.					
23 09 23 53-0112	EA		Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP).....	403.95	9.65
Note: One for every thermostat to be retrofitted.					
For >50 To 200, Deduct				-20.67	
For >200, Deduct				-41.31	
23 09 23 53-0113	EA		Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP).....	403.95	9.65
Note: One for every thermostat to be retrofitted.					
For >50 To 200, Deduct				-20.67	
For >200, Deduct				-41.31	
23 09 23 53-0114	EA		Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP).....	403.95	9.65
Note: One for every thermostat to be retrofitted.					
For >50 To 200, Deduct				-20.67	
For >200, Deduct				-41.31	
23 09 23 53-0115	EA		Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP).....	403.95	9.65
Note: One for every thermostat to be retrofitted.					
For >50 To 200, Deduct				-20.67	
For >200, Deduct				-41.31	
23 09 23 53-0116	EA		Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP-DB).....	459.33	9.65
Note: One for every thermostat to be retrofitted.					
For >50 To 200, Deduct				-23.75	
For >200, Deduct				-47.46	
23 09 23 53-0117	EA		Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP-DB).....	459.33	9.65
Note: One for every thermostat to be retrofitted.					
For >50 To 200, Deduct				-23.75	
For >200, Deduct				-47.46	
23 09 23 53-0118	EA		Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB).....	459.33	9.65
Note: One for every thermostat to be retrofitted.					
For >50 To 200, Deduct				-23.75	
For >200, Deduct				-47.46	
23 09 23 53-0119	EA		Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP-DB).....	471.26	9.65
Note: One for every thermostat to be retrofitted.					
For >50 To 200, Deduct				-24.42	
For >200, Deduct				-48.79	
23 09 23 53-0120	EA		Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV).....	34.05	9.65
Note: Optional cover.					
For >50 To 200, Deduct				-1.36	
For >200, Deduct				-2.71	
23 09 23 53-0121	EA		Green Box Controller (Cypress Envirosystems GBC-800-001).....	4,443.12	9.65
Note: One unit for up to 100 thermostats.					
For 2, Deduct				-225.59	
For >2, Deduct				-450.76	
23 09 23 53-0122	EA		WPT USB Hub (Cypress Envirosystems WPT-800-HUSB).....	331.62	9.65
Note: One unit for up to 100 thermostats.					
For 2, Deduct				-17.90	
For >2, Deduct				-35.77	
23 09 23 53-0123	EA		WPT Repeater (Cypress Envirosystems WPT-800-RWAL).....	579.43	9.65
Note: One unit for up to 15 thermostats.					
For >5 To 10, Deduct				-29.53	
For >10, Deduct				-59.02	
23 09 23 53-0124	EA		24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V).....	714.17	9.65
Note: One unit for up to 15 thermostats.					
For >5 To 10, Deduct				-34.34	
For >10, Deduct				-68.63	
<b>23 09 23 53-0125 Delta Controls (23 09 23 53)</b>					
<b>23 09 23 53-0126 Software (23 09 23 53-0125)</b>					
Note: Excludes programming, set-up and commissioning of application.					
23 09 23 53-0127	EA		Orca Software Unlimited Points License (Delta Controls DOW333-USB).....	1,757.05	
23 09 23 53-0128	EA		Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB).....	2,912.58	
23 09 23 53-0129	EA		Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB).....	6,310.59	
23 09 23 53-0130	EA		Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB).....	10,009.36	
23 09 23 53-0131	EA		Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB).....	5,155.06	
23 09 23 53-0132	EA		Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB).....	1,757.05	
23 09 23 53-0133	EA		100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01).....	4,184.20	
23 09 23 53-0134	EA		1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02).....	5,155.06	
23 09 23 53-0135	EA		KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB).....	1,851.83	96.46

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

HUMBOLDT STATE UNIVERSITY

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 09 23 53-0136	EA	Delta Controls Touch Screen (Delta Controls DHMI-7-1).....		1,980.31	
<b>23 09 23 53-0137</b>		<b>EMCS Central Equipment And Controllers</b> <small>(23 09 23 53-0125)</small>			
23 09 23 53-0138	EA	Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616)..... Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup		6,564.80	385.83
23 09 23 53-0139	EA	Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E).....		5,011.42	385.83
23 09 23 53-0140	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146).....		3,717.75	385.83
23 09 23 53-0141	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180).....		3,717.75	385.83
23 09 23 53-0142	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146).....		3,717.75	385.83
23 09 23 53-0143	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....		3,481.17	385.83
23 09 23 53-0144	EA	VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF).....		1,201.28	192.92
23 09 23 53-0145	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240).....		1,096.91	192.92
23 09 23 53-0146	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....		1,166.15	192.92
23 09 23 53-0147	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240).....		1,096.91	192.92
23 09 23 53-0148	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616).....		2,517.97	241.14
23 09 23 53-0149	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440).....		640.32	96.46
23 09 23 53-0150	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404).....		684.32	96.46
23 09 23 53-0151	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600).....		798.45	96.46
<b>23 09 23 53-0152</b>		<b>Network, VAV And Special Sensors</b> <small>(23 09 23 53-0125)</small>			
23 09 23 53-0153	EA	BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24).....		208.16	30.87
23 09 23 53-0154	EA	BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24).....		280.98	34.73
23 09 23 53-0155	EA	Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B).....		545.11	14.47
<b>23 09 23 53-0156</b>		<b>Honeywell Controls</b> <small>(23 09 23 53)</small>			
<b>23 09 23 53-0157</b>		<b>EMCS Central Equipment And Controllers</b> <small>(23 09 23 53-0156)</small>			
<b>23 09 23 53-0158</b>		<b>EMCS Network Area Controllers (BACnet Or Lon)</b> <small>(23 09 23 53-0157)</small>			
		Note: Includes loading software, software license, loading data base and mounting on wall.			
23 09 23 53-0159	EA	Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.		9,004.62	470.24
23 09 23 53-0160	EA	Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).		6,228.98	470.24
23 09 23 53-0161	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.		4,821.88	470.24
23 09 23 53-0162	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.		5,941.60	470.24
23 09 23 53-0163	EA	Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.		4,783.33	470.24
23 09 23 53-0164	EA	Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.		4,783.33	470.24
23 09 23 53-0165	EA	16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		5,170.59	470.24

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0166 EA 16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU).....	5,577.12	470.24
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0167 EA 16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N).....	5,170.59	470.24
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0168 EA 16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU).....	5,577.12	470.24
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0169 EA 34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B).....	5,580.63	470.24
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0170 EA 34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU).....	5,987.16	470.24
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.		
23 09 23 53-0171 EA 34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N).....	5,580.63	470.24
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0172 EA 34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU).....	5,987.16	470.24
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.		
23 09 23 53-0173 EA Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX).....	5,922.33	470.24
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.		
23 09 23 53-0174 EA Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only).....	7,280.36	470.24
Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0175 EA Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ).....	7,699.16	470.24
Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.		
23 09 23 53-0176 EA Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ).....	9,057.19	470.24
Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0177 EA Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX).....	7,718.44	470.24
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.		
23 09 23 53-0178 EA Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ).....	10,306.58	470.24
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.		
<b>23 09 23 53-0179 EMCS Network Interfaces</b> <small>(23 09 23 53-0157)</small>		
Note: Includes installation, start-up and tech labor.		
23 09 23 53-0180 EA Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001).....	1,282.17	130.22
Note: For desktop computer.		
23 09 23 53-0181 EA Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009).....	1,093.80	86.81
Note: For laptop computer.		
23 09 23 53-0182 EA FTT-10 To FTT-10 Router (Honeywell Q7751A2010).....	1,399.44	162.83
23 09 23 53-0183 EA 4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002).....	2,127.52	235.17
23 09 23 53-0184 EA Two Way Lon Repeater (Honeywell Q7740A1008).....	1,112.94	235.17
23 09 23 53-0185 EA FTT Termination Module For Network Bus (Honeywell 209541B).....	83.21	28.94
<b>23 09 23 53-0186 DDC Application Specific Controller Assemblies</b> <small>(23 09 23 53-0157)</small>		
Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 53-0187 EA Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	2,088.98	672.80
23 09 23 53-0188 EA >10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,727.26	398.37
23 09 23 53-0189 EA Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	2,240.91	672.80
23 09 23 53-0190 EA >10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,879.19	437.93
23 09 23 53-0191 EA Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	2,471.17	748.81
23 09 23 53-0192 EA >10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	2,199.83	561.39
23 09 23 53-0193 EA Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	3,002.85	748.81
23 09 23 53-0194 EA >10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	2,623.10	572.97
23 09 23 53-0195 EA Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,857.99	748.81
23 09 23 53-0196 EA >10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,496.27	442.75
23 09 23 53-0197 EA Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	2,056.99	748.81

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0198	EA		>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies .....	1,695.18	498.69
23 09 23 53-0199	EA		Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies.....	2,455.50	748.81
23 09 23 53-0200	EA		>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies .....	2,086.55	441.78
23 09 23 53-0201	EA		Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies.....	2,654.49	748.81
23 09 23 53-0202	EA		>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies.....	2,285.45	497.72
23 09 23 53-0203	EA		Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies.....	3,082.80	748.81
23 09 23 53-0204	EA		>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies.....	2,753.68	478.44
23 09 23 53-0205	EA		Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	3,480.80	748.81
23 09 23 53-0206	EA		>10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	3,151.58	560.43
<b>23 09 23 53-0207 DDC Programmable Controller Assemblies (23 09 23 53-0157)</b>					
Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0214 for additional components.					
23 09 23 53-0208	EA		3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies .....	2,135.44	575.19
23 09 23 53-0209	EA		Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies .....	2,467.69	575.19
23 09 23 53-0210	EA		6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies .....	3,289.21	676.47
23 09 23 53-0211	EA		Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies .....	3,621.46	676.47
23 09 23 53-0212	EA		10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	5,946.73	792.22
23 09 23 53-0213	EA		Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	6,330.80	792.22
<b>23 09 23 53-0214 EMCS Optional DDC Controller Hardware (23 09 23 53-0157)</b>					
Note: Used to expand the capacity of DDC programmable controller assemblies.					
23 09 23 53-0215	EA		6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005).....	399.52	
Note: For constant volume single zone and heat pump AHUs.					
23 09 23 53-0216	EA		6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011).....	461.73	
Note: For constant volume single zone and heat pump AHUs.					
23 09 23 53-0217	EA		3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001).....	483.63	
Note: For constant volume single zone and heat pump AHUs.					
23 09 23 53-0218	EA		VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010).....	456.47	
23 09 23 53-0219	EA		VAV Controller With Internally Wired Subbase (Honeywell W7751D2016).....	463.48	
23 09 23 53-0220	EA		VAV Controller With Externally Wired Subbase (Honeywell W7751F2011).....	452.97	
23 09 23 53-0221	EA		VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025).....	389.89	
23 09 23 53-0222	EA		VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004).....	339.07	
23 09 23 53-0223	EA		Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002).....	496.78	
23 09 23 53-0224	EA		Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000).....	444.21	
23 09 23 53-0225	EA		Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002).....	490.64	
23 09 23 53-0226	EA		Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011).....	1,041.74	
23 09 23 53-0227	EA		Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017).....	1,295.83	
23 09 23 53-0228	EA		Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002).....	647.47	
23 09 23 53-0229	EA		Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010).....	637.84	
23 09 23 53-0230	EA		Hydronic Controller Without Wall Module (Honeywell W7762B1027).....	312.79	
23 09 23 53-0231	EA		Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016).....	355.72	
23 09 23 53-0232	EA		IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001).....	657.11	
23 09 23 53-0233	EA		IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001).....	702.67	
23 09 23 53-0234	EA		AI Module (Honeywell XFL521B).....	439.83	
23 09 23 53-0235	EA		AO Module (Honeywell XFL522B).....	439.83	
23 09 23 53-0236	EA		DI Module (Honeywell XFL523B).....	439.83	
23 09 23 53-0237	EA		DO Module (Honeywell XFL524B).....	439.83	
23 09 23 53-0238	EA		Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511).....	77.98	
23 09 23 53-0239	EA		Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513).....	147.19	
23 09 23 53-0240	EA		Distributed IO, Terminal Block For DO Modules (Honeywell XSL514).....	144.56	
23 09 23 53-0241	EA		Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI).....	442.46	
23 09 23 53-0242	EA		Lon Hub (Honeywell XIO-HUB).....	65.71	
23 09 23 53-0243	EA		Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO).....	442.46	
23 09 23 53-0244	EA		Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI).....	407.41	
23 09 23 53-0245	EA		Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO).....	407.41	
23 09 23 53-0246	EA		Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC).....	429.31	
23 09 23 53-0247	EA		Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000).....	429.31	
23 09 23 53-0248	EA		Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI).....	617.69	
23 09 23 53-0249	EA		16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16).....	728.96	
Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.					
23 09 23 53-0250	EA		34 Point IO Module For Network Area Controllers (Honeywell W7750A2005).....	1,549.03	
Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.					
<b>23 09 23 53-0251 EMCS Software (23 09 23 53-0156)</b>					
<b>23 09 23 53-0252 Software Packages And License (23 09 23 53-0251)</b>					
Note: Includes installation on equipment.					
23 09 23 53-0253	EA		On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB).....	494.15	
Note: Requires UI services to be installed on NAC.					
23 09 23 53-0254	EA		Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX).....	1,899.85	
Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.					
23 09 23 53-0255	EA		WEBStation-AX Software For Windows (Honeywell WEB-S-AX).....	5,519.74	
Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).					
23 09 23 53-0256	EA		Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS).....	3,285.56	
Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.					
23 09 23 53-0257	EA		Upgrade Small Building To Large Building Software.....	3,739.77	
Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.					
23 09 23 53-0258	EA		Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W).....	2,629.32	
Note: One copy is included with WEB-S-AX and WEBStation-AX.					



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 09 23	53-0259	EA	WEBS Energy Suite (WES) Base Software (Honeywell WES-BASE-AX) ..... Note: Includes license for 10 points of E <sup>2</sup> Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E <sup>2</sup> Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.	4,683.89	
	23 09 23	53-0260	EA	Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E <sup>2</sup> Profiler Points (Honeywell WES-CP-AX)..... Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.	614.17	
	23 09 23	53-0261	EA	Perpetual License For One Point Of E <sup>2</sup> Profiler (Honeywell WES-E2-AX)..... Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.	408.28	
	23 09 23	53-0262	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters ..... Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.	25,364.53	
	23 09 23	53-0263	EA	Annual Maintenance For Enterprise WEBS-AX Energy Suite (Honeywell WES-M1-ENT-AX)..... Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.	23,141.62	
	23 09 23	53-0264	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX).....	8,801.80	
	23 09 23	53-0265	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS).....	6,567.62	
	23 09 23	53-0266	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500).....	1,898.62	
	23 09 23	53-0267	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500).....	1,898.62	
	23 09 23	53-0268	EA	Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL)..... Note: Excludes Oracle.	13,142.25	
	23 09 23	53-0269	EA	Open System Driver Option (Honeywell WS-SNMP-500)..... Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.	1,752.30	
	23 09 23	53-0270	EA	Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500).....	1,898.62	
	23 09 23	53-0271	EA	WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003)..... Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.	4,965.14	
	23 09 23	53-0272	EA	WEBStation Additional Node (Honeywell ZW2000B1002).....	1,898.62	
	23 09 23	53-0273	EA	WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001).....	31,834.03	
	23 09 23	53-0274	EA	WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000).....	58,410.29	
	23 09 23	53-0275	EA	WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009).....	102,217.79	
	23 09 23	53-0276	EA	Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008).....	5,256.90	
	23 09 23	53-0277	EA	Additional Master WEBStation Software Licenses (Honeywell ZW2000G1007).....	2,628.45	
	23 09 23	53-0278	EA	Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001).....	2,089.61	
	23 09 23	53-0279	EA	Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055)..... Note: As with other WEBS, capacity is limited by the characteristics of the application including size and complexity.	2,294.12	
<b>23 09 23</b>	<b>53-0280</b>	<b>Initial Database Generation (23 09 23 53-0251)</b>				
	23 09 23	53-0281	PNT	Database Generation For Central Plant.....	64.72	
	23 09 23	53-0282	PNT	Database Generation For Programmable Controller..... Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	64.72	
	23 09 23	53-0283	EA	Database Generation For Application Specific Controller..... Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	64.72	
	23 09 23	53-0284	EA	Replication Of Database Generation For Application Specific Controller..... Note: Price per copy made.	45.05	
	23 09 23	53-0285	EA	Database Generation For Remote IO Modules, Sensors, Etcetera.....	45.05	
<b>23 09 23</b>	<b>53-0286</b>	<b>Application Software Programs (23 09 23 53-0251)</b>				
	23 09 23	53-0287	EA	Basic Application Program Package..... Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.	2,700.85	
	23 09 23	53-0288	EA	Optimum Start/Stop Program..... Note: Priced per controller requiring optimum start programming.	90.29	
	23 09 23	53-0289	EA	Duty Cycling Program.....	42.64	
	23 09 23	53-0290	EA	Hot Deck/Cold Deck Reset Application Program.....	4,639.96	
	23 09 23	53-0291	EA	Boiler Optimization Program.....	6,080.37	
	23 09 23	53-0292	EA	Chiller Optimization Program.....	8,236.48	
	23 09 23	53-0293	EA	Lighting Control Program.....	3,974.61	
	23 09 23	53-0294	EA	Demand Limiting Program..... Note: Priced per controller requiring optimum start programming.	79.19	
	23 09 23	53-0295	EA	Email Alarm Server Configuration.....	3,066.24	
<b>23 09 23</b>	<b>53-0296</b>	<b>Color Graphics Generation (23 09 23 53-0251)</b>				
	23 09 23	53-0297	EA	Single Site Home Page Graphics Page With HTML Navigation Code..... Note: Priced per page.	1,618.40	
	23 09 23	53-0298	EA	Multi Site Home Page Graphics Page With HTML Navigation Code.....	2,873.41	
	23 09 23	53-0299	EA	Color Graphics Page For Central Plant.....	735.31	
	23 09 23	53-0300	EA	Color Graphics Page For Building Floor Plan.....	678.98	
	23 09 23	53-0301	EA	Replication Of Color Graphics Page For Central Plant.....	368.86	
	23 09 23	53-0302	EA	Color Graphics Page For Programmable Controller..... Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	827.23	
	23 09 23	53-0303	EA	Replication Of Color Graphics Page For Programmable Controller..... Note: Priced per copy made.	176.90	
	23 09 23	53-0304	EA	Color Graphics Page For Application Specific Controller..... Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	765.12	
	23 09 23	53-0305	EA	Replication Of Color Graphics Page For Application Specific Cont..... Note: Priced per copy made.	76.49	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 09 23 53-0306		<b>Sensors, Actuators And Control Devices</b> (23 09 23 53-0156) Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.			
23 09 23 53-0307		<b>Special Sensors</b> (23 09 23 53-0306)			
23 09 23 53-0308	EA	Dewpoint Sensor (Honeywell C7232B1014) .....	1,573.30		59.71
23 09 23 53-0309	EA	Enthalpy Sensor -25 To 125 F .....	1,641.00		59.71
23 09 23 53-0310	EA	Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002).....	762.16		119.42
23 09 23 53-0311	EA	Freezestat (Honeywell L482A1004).....	529.28		198.99
23 09 23 53-0312	EA	Wall Mounted Occupancy Sensor.....	375.00		59.71
23 09 23 53-0313	EA	Ceiling Mounted Occupancy Sensor .....	300.36		59.71
23 09 23 53-0314	EA	I/P Positioner With Gauge.....	353.40		59.71
23 09 23 53-0315	EA	Non Communicating Duct Mounted Smoke Detector With Sampling Tube.....	423.35		59.71
23 09 23 53-0316	EA	EP Transducer.....	353.40		39.84
23 09 23 53-0317	EA	Electric Heat Sequencer .....	563.10		79.57
23 09 23 53-0318		<b>Meters</b> (23 09 23 53-0306)			
23 09 23 53-0319	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer .....	3,602.22		477.48
23 09 23 53-0320	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface.....	5,241.23		557.05
23 09 23 53-0321	EA	1 To 300 Amperes, Current Transformer For KW Meter .....	1,268.04		198.99
23 09 23 53-0322	EA	300 To 800 Amperes, Current Transformer For KW Meter .....	1,442.47		198.99
23 09 23 53-0323	EA	800 To 2,400 Amperes, Current Transformer For KW Meter .....	1,777.00		198.99
23 09 23 53-0324		<b>Direct Coupled Actuators</b> (23 09 23 53-0306)			
23 09 23 53-0325	EA	44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002) .....	610.22		115.02
23 09 23 53-0326	EA	88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200).....	659.36		115.02
23 09 23 53-0327	EA	175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209).....	743.86		115.02
23 09 23 53-0328	EA	44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008).....	581.46		115.02
23 09 23 53-0329	EA	88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206).....	634.31		115.02
23 09 23 53-0330	EA	175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205).....	686.65		115.02
23 09 23 53-0331	EA	44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator .....	637.20		115.02
23 09 23 53-0332	EA	88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206) .....	712.56		115.02
23 09 23 53-0333	EA	175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205) .....	793.90		115.02
23 09 23 53-0334	EA	44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209).....	542.26		115.02
23 09 23 53-0335	EA	88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209).....	582.38		115.02
23 09 23 53-0336	EA	175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200).....	663.00		115.02
23 09 23 53-0337	EA	175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007).....	700.94		115.02
23 09 23 53-0338	EA	300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030).....	700.47		115.02
23 09 23 53-0339	EA	300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008).....	804.53		115.02
23 09 23 53-0340	EA	Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018) .....	558.70		115.02
23 09 23 53-0341	EA	Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368).....	933.37		115.02
23 09 23 53-0342	EA	Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator.....	435.23		115.02
23 09 23 53-0343	EA	Direct Coupled Damper Actuator Enclosure For Outdoor Use.....	639.38		115.02
23 09 23 53-0344		<b>Thermostats</b> (23 09 23 53-0156)			
23 09 23 53-0345		<b>Electric And Electronic Thermostats</b> (23 09 23 53-0344) Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.			
23 09 23 53-0346	EA	Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018).....	166.96		14.47
23 09 23 53-0347	EA	Electronic Non Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320).....	179.41		14.47
23 09 23 53-0348	EA	Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110).....	165.58		14.47
23 09 23 53-0349	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220).....	184.53		14.47
23 09 23 53-0350	EA	Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320).....	198.78		14.47
23 09 23 53-0351	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321).....	290.11		14.47
23 09 23 53-0352	EA	Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F) .....	420.18		14.47
23 09 23 53-0353	EA	Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H) .....	677.35		14.47
23 09 23 53-0354	EA	Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M).....	722.03		14.47
23 09 23 53-0355		<b>Pneumatic Thermostats</b> (23 09 23 53-0344) Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.			
23 09 23 53-0356	EA	Pneumatic Thermostat (Honeywell TP970B2182) .....	227.95		14.47
23 09 23 53-0357		<b>Thermostats Guards</b> (23 09 23 53-0344)			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0358 EA 9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009) .....	55.85	14.47
23 09 23 53-0359 EA 7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511).....	66.23	14.47
23 09 23 53-0360 EA 5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510).....	62.49	14.47
<b>23 09 23 53-0361 Johnson Controls</b> (23 09 23 53)		
<b>23 09 23 53-0362 Software</b> (23 09 23 53-0361)		
Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0363 EA 5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0).....	14,100.66	
23 09 23 53-0364 EA 10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0).....	16,671.97	
23 09 23 53-0365 EA N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0).....	844.41	
23 09 23 53-0366 EA N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2).....	1,268.17	
23 09 23 53-0367 EA BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0).....	2,229.47	
23 09 23 53-0368 EA BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0).....	851.59	
23 09 23 53-0369 EA New User FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0).....	847.30	
23 09 23 53-0370 EA Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6).....	322.65	
<b>23 09 23 53-0371 Supervisory Controllers</b> (23 09 23 53-0361)		
23 09 23 53-0372 EA NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2).....	6,403.76	385.83
23 09 23 53-0373 EA NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2).....	9,794.88	385.83
23 09 23 53-0374 EA NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1).....	13,193.51	385.83
23 09 23 53-0375 EA NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS- NCE2510-0).....	5,097.52	385.83
<b>23 09 23 53-0376 Controllers</b> (23 09 23 53-0361)		
23 09 23 53-0377 EA 10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0).....	746.19	96.46
23 09 23 53-0378 EA 10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0).....	972.31	192.92
23 09 23 53-0379 EA 17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0).....	1,290.60	192.92
23 09 23 53-0380 EA 17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0).....	1,516.71	192.92
23 09 23 53-0381 EA BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0).....	616.47	96.46
23 09 23 53-0382 EA BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0).....	674.12	96.46
23 09 23 53-0383 EA BACnet MS/TP 12 Point I/O Module With 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0).....	760.61	96.46
23 09 23 53-0384 EA 17 Point I/O Module With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0).....	772.14	96.46
23 09 23 53-0385 EA BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2).....	1,575.54	192.92
23 09 23 53-0386 EA 32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0).....	757.53	96.46
23 09 23 53-0387 EA 32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0).....	1,087.10	96.46
Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications		
<b>23 09 23 53-0388 Master FX Controllers</b> (23 09 23 53-0361)		
23 09 23 53-0389 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C).....	1,973.33	192.92
23 09 23 53-0390 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C).....	2,110.10	192.92
23 09 23 53-0391 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C).....	2,178.06	192.92
23 09 23 53-0392 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C).....	2,136.75	192.92
23 09 23 53-0393 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C).....	2,072.21	192.92
23 09 23 53-0394 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C).....	2,082.56	192.92
23 09 23 53-0395 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C).....	2,072.21	192.92
23 09 23 53-0396 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C).....	2,110.24	192.92
23 09 23 53-0397 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C).....	2,228.36	192.92
23 09 23 53-0398 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C).....	2,307.10	192.92
23 09 23 53-0399 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C).....	2,267.72	192.92
23 09 23 53-0400 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C).....	2,187.13	192.92
23 09 23 53-0401 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C).....	2,110.24	192.92
23 09 23 53-0402 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C).....	2,228.36	192.92

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0403	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C).....	2,307.10	192.92
23 09 23 53-0404	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C).....	2,267.72	192.92
23 09 23 53-0405	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C).....	2,187.13	192.92
23 09 23 53-0406	EA		N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C).....	235.96	48.23
23 09 23 53-0407	EA		LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C).....	332.86	48.23
23 09 23 53-0408	EA		RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C).....	263.16	48.23
23 09 23 53-0409	EA		BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C).....	235.96	48.23
23 09 23 53-0410	EA		Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C).....	650.94	48.23
23 09 23 53-0411	EA		Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C).....	601.09	48.23
23 09 23 53-0412	EA		5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C).....	612.77	48.23
23 09 23 53-0413	EA		5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C).....	612.77	48.23
23 09 23 53-0414	EA		5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C).....	671.06	48.23
23 09 23 53-0415	EA		5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C).....	671.06	48.23
23 09 23 53-0416	EA		6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C).....	838.66	48.23
23 09 23 53-0417	EA		6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C).....	838.66	48.23
23 09 23 53-0418	EA		6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C).....	933.38	48.23
23 09 23 53-0419	EA		6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C).....	933.38	48.23
<b>23 09 23 53-0420</b>			<b>VAV, Network And Special Sensors</b> (23 09 23 53-0361)		
23 09 23 53-0421	EA		3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0).....	436.49	30.87
23 09 23 53-0422	EA		3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0).....	150.57	30.87
23 09 23 53-0423	EA		3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0).....	339.35	30.87
23 09 23 53-0424	EA		3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0).....	504.22	30.87
23 09 23 53-0425	EA		3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0).....	171.98	30.87
23 09 23 53-0426	EA		3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0).....	457.74	30.87
<b>23 09 23 53-0427</b>			<b>Sensors - Hard Wired Type</b> (23 09 23 53-0361)		
23 09 23 53-0428	EA		Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00).....	151.81	55.56
23 09 23 53-0429	EA		Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0).....	126.09	30.87
23 09 23 53-0430	EA		BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2).....	341.25	14.47
			Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.		
23 09 23 53-0431	EA		BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2).....	459.58	14.47
			Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.		
23 09 23 53-0432	EA		BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2).....	341.90	14.47
			Note: For VVT systems.		
23 09 23 53-0433	EA		BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2).....	447.18	30.87
23 09 23 53-0434	EA		BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR).....	549.59	30.87
<b>23 09 23 53-0435</b>			<b>Melink Intelli-Hood IH3 Controls</b> (23 09 23 53)		
<b>23 09 23 53-0436</b>			<b>Kitchen Ventilation Controllers</b> (23 09 23 53-0435)		
23 09 23 53-0437	EA		Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001).....	7,394.79	385.83
			Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points include: 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.		
23 09 23 53-0438	EA		Graphical User Interface (Melink Intelli-Hood 2KPD-3001).....	1,370.03	79.57
			Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.		
23 09 23 53-0439	EA		Hood Controller (Melink Intelli-Hood 2SEN-3001).....	2,287.59	321.21
			Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.		
<b>23 09 23 53-0440</b>			<b>Kitchen Ventilation Sensors</b> (23 09 23 53-0435)		
23 09 23 53-0441	EA		Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q).....	410.42	55.56
			Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.		
23 09 23 53-0442	EA		Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28).....	3,486.43	308.67
			Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.		
<b>23 09 23 53-0443</b>			<b>Siemens Controls</b> (23 09 23 53)		
23 09 23 53-0444	EA		Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083).....	329.59	14.47

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0445	EA		Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085).....	234.68	14.47
23 09 23 53-0446	EA		SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575).....	249.74	65.16
23 09 23 53-0447	EA		-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591).....	370.91	65.16
23 09 23 53-0448	EA		Spring Clip Mounting Kit For Thermostat (Siemens 182-685).....	55.48	9.65
23 09 23 53-0449	EA		Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001).....	186.19	96.46
23 09 23 53-0450	EA		3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012).....	303.88	17.71
23 09 23 53-0451	EA		1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079).....	536.33	32.14
23 09 23 53-0452	EA		1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203).....	1,068.55	32.14
23 09 23 53-0453	EA		1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006).....	908.42	40.72
23 09 23 53-0454	EA		36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36).....	247.84	55.56
23 09 23 53-0455	EA		-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768).....	204.61	30.87
23 09 23 53-0456	EA		Unit Conditioner Controller With Secure Mode (Siemens 540-110C).....	1,098.74	154.34
23 09 23 53-0457	EA		9-Pin, Female To RJ-11 Cable (Siemens 540-143).....	80.26	4.82
23 09 23 53-0458	EA		Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800).....	1,257.46	154.34
23 09 23 53-0459	EA		MMI Extension Cable (Siemens 545-712).....	170.33	4.82
23 09 23 53-0460	EA		Remote Pressure Transmitter (Siemens 547-003).....	1,042.76	30.87
23 09 23 53-0461	EA		Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400).....	694.06	77.16
23 09 23 53-0462	EA		BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....	566.40	77.16
23 09 23 53-0463	EA		Door Lock And Key Assembly (Siemens 567-225).....	32.31	19.29
23 09 23 53-0464	EA		Insight Advanced Software Package (Siemens 571-010-381-USB).....	10,521.46	
Note: Includes one user license and one sentinel key.					
23 09 23 53-0465	EA		BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....	402.95	
23 09 23 53-0466	EA		Soft Controller Option For Insight Advanced Software Package (Siemens 571-620).....	2,343.18	
23 09 23 53-0467	EA		1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059).....	357.14	10.69
23 09 23 53-0468	EA		2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03062).....	748.87	18.52
23 09 23 53-0469	EA		Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C).....	9,888.57	385.83
23 09 23 53-0470	EA		SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F).....	11,116.06	385.83
23 09 23 53-0471	EA		7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U).....	129.27	14.47
23 09 23 53-0472	EA		Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxilliary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U).....	612.22	115.02
23 09 23 53-0473	EA		Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U).....	633.52	115.02
23 09 23 53-0474	EA		License To Enable 4 TX-I/O Modules On The Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A).....	3,050.08	
23 09 23 53-0475	EA		License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN).....	615.89	
23 09 23 53-0476	EA		License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A).....	1,982.19	
23 09 23 53-0477	EA		License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB).....	1,418.97	
23 09 23 53-0478	EA		License To Enable 4 TX-I/O Modules On The Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A).....	1,219.82	
23 09 23 53-0479	EA		License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP).....	3,606.33	
23 09 23 53-0480	EA		16-Switch HOA Upgrade Kit (Siemens PXA16-M).....	575.69	1.93
23 09 23 53-0481	EA		16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR).....	642.24	7.72
23 09 23 53-0482	EA		8-Switch HOA Upgrade Kit (Siemens PXA8-M).....	326.50	1.93
23 09 23 53-0483	EA		18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18).....	369.60	19.29
23 09 23 53-0484	EA		19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19).....	608.78	19.29
23 09 23 53-0485	EA		34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34).....	818.82	19.29
23 09 23 53-0486	EA		Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEPS).....	30.82	9.65
23 09 23 53-0487	EA		115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA).....	763.56	48.23
23 09 23 53-0488	EA		115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA).....	1,105.83	48.23
23 09 23 53-0489	EA		230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA).....	889.66	48.23
23 09 23 53-0490	EA		230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA).....	1,249.96	48.23
23 09 23 53-0491	EA		PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A).....	5,693.01	540.17
23 09 23 53-0492	EA		PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A).....	4,667.33	154.34
23 09 23 53-0493	EA		Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A).....	7,537.06	617.34
23 09 23 53-0494	EA		16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A).....	2,608.01	289.38
23 09 23 53-0495	EA		16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A).....	2,852.35	289.38
23 09 23 53-0496	EA		16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A).....	2,690.45	289.38
23 09 23 53-0497	EA		24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A).....	3,276.38	308.67
23 09 23 53-0498	EA		24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A).....	3,445.09	308.67
23 09 23 53-0499	EA		24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A).....	3,403.24	308.67
23 09 23 53-0500	EA		24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A).....	3,554.40	308.67
23 09 23 53-0501	EA		24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A).....	3,399.43	308.67
23 09 23 53-0502	EA		24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A).....	3,553.37	308.67
23 09 23 53-0503	EA		36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A).....	5,316.89	540.17
23 09 23 53-0504	EA		36 Point, BACnet/IP Or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A).....	8,393.48	617.34
23 09 23 53-0505	EA		License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A).....	915.05	
23 09 23 53-0506	EA		Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S).....	514.04	38.59
23 09 23 53-0507	EA		Controller Mounted Operator Display Module (Siemens PXM10T).....	608.15	77.16
23 09 23 53-0508	EA		Provides FLN Support For The PXC Modular (Siemens PXX-485.3).....	614.96	19.29
Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported					
23 09 23 53-0509	EA		Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN).....	300.82	55.56

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0510	EA		Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC) .....	208.24	30.87
23 09 23 53-0511	EA		4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010) .....	133.69	30.87
23 09 23 53-0512	EA		8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020) .....	170.16	55.56
23 09 23 53-0513	EA		24" Flexible Averaging Probe (Siemens QAM2012.750) .....	271.91	55.56
23 09 23 53-0514	EA		2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200) .....	214.44	55.56
23 09 23 53-0515	EA		10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X) .....	2,512.57	310.79
23 09 23 53-0516	EA		Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12) .....	28.24	9.65
23 09 23 53-0517	EA		Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100) .....	0.60	
23 09 23 53-0518	EA		16 Digital Input Module (Siemens TXM1.16D) .....	480.22	9.65
23 09 23 53-0519	EA		6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M) .....	713.34	9.65
23 09 23 53-0520	EA		8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML) .....	1,129.36	19.29
23 09 23 53-0521	EA		1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4) .....	403.33	30.87
<b>23 09 23 53-0522 Trane Controls (23 09 23 53)</b>					
<b>23 09 23 53-0523 Software (23 09 23 53-0522)</b>					
Note: Excludes programming, set-up and commissioning of application.					
23 09 23 53-0524	EA		Summit + Building Management Package (Trane 40201152) .....	5,247.00	
23 09 23 53-0525	EA		Summit Current Version Software (Trane 40201111) .....	2,975.84	
23 09 23 53-0526	EA		Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113) .....	711.17	
23 09 23 53-0527	EA		Rover Service Software And Hardware, Complete Kit (Trane X1365150001) .....	2,959.31	
23 09 23 53-0528	EA		Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000) .....	8,118.58	
<b>23 09 23 53-0529 EMCS Central Equipment And Controllers (23 09 23 53-0522)</b>					
23 09 23 53-0530	EA		Summit BTMX Operator Display Upgrade (Trane 40201224) .....	4,835.63	385.83
23 09 23 53-0531	EA		Summit BTMX Retrofit Kit For BMTS And BMW BCU (Trane 49500531) .....	10,607.38	385.83
23 09 23 53-0532	EA		Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532) .....	10,607.38	385.83
23 09 23 53-0533	EA		Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00) .....	9,354.13	385.83
23 09 23 53-0534	EA		Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10) .....	10,811.27	385.83
23 09 23 53-0535	EA		Summit CCP Upgrade ROM Kit (Trane 40201095) .....	169.01	24.12
23 09 23 53-0536	EA		Summit Comm5 Repeater (Trane 49500457) .....	1,306.49	192.92
23 09 23 53-0537	EA		AHU Controller MP580/581 E Board Only (Trane 40201157) .....	2,186.36	241.14
23 09 23 53-0538	EA		AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01) .....	2,797.57	289.38
23 09 23 53-0539	EA		AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00) .....	2,218.46	289.38
23 09 23 53-0540	EA		AHU Controller MP581 Operator Door Display (Trane 40201156) .....	1,891.73	289.38
23 09 23 53-0541	EA		AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491) .....	1,889.21	289.38
23 09 23 53-0542	EA		Controller MP503 I/O Module With Metal Enclosure (Trane 49500590) .....	839.50	96.46
23 09 23 53-0543	EA		Controller MP503 I/O Module With Plastic Cover (Trane 49500490) .....	767.51	96.46
23 09 23 53-0544	EA		Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500) .....	1,391.13	192.92
23 09 23 53-0545	EA		Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499) .....	1,331.43	192.92
23 09 23 53-0546	EA		2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569) .....	741.14	96.46
23 09 23 53-0547	EA		2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469) .....	654.46	96.46
23 09 23 53-0548	EA		4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596) .....	954.44	96.46
23 09 23 53-0549	EA		4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496) .....	868.23	96.46
23 09 23 53-0550	EA		Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049) .....	748.86	96.46
23 09 23 53-0551	EA		Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496) .....	715.44	96.46
23 09 23 53-0552	EA		Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570) .....	817.41	96.46
23 09 23 53-0553	EA		Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470) .....	748.86	96.46
23 09 23 53-0554	EA		DDC VAV Retrofit Kit (Trane VRTODD01) .....	1,064.94	192.92
23 09 23 53-0555	EA		DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO) .....	1,150.19	192.92
<b>23 09 23 53-0556 Network, VAV And Special Sensors (23 09 23 53-0522)</b>					
23 09 23 53-0557	EA		Digital Display Zone Sensor (Trane X13790464010) .....	175.43	30.87
23 09 23 53-0558	EA		Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010) .....	119.56	30.87
23 09 23 53-0559	EA		Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010) .....	110.14	30.87
23 09 23 53-0560	EA		Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01) .....	215.36	34.73
23 09 23 53-0561	EA		Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121) .....	132.41	30.87
23 09 23 53-0562	EA		Zone Sensor LCD O/C Setpoint (Trane 41901120) .....	132.41	30.87
23 09 23 53-0563	EA		Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010) .....	449.18	55.56
23 09 23 53-0564	EA		Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010) .....	406.28	30.87
23 09 23 53-0565	EA		Transformer 120/24 40 VA (Trane X13550284010) .....	105.43	30.87
23 09 23 53-0566	EA		Transformer 24 Volt AC Wall Plug-In (Trane 35803005) .....	102.06	30.87
23 09 23 53-0567	EA		Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022) .....	96.68	30.87
23 09 23 53-0568	EA		Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010) .....	1,184.55	192.92
23 09 23 53-0569	EA		Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010) .....	1,138.56	192.92
23 09 23 53-0570	EA		Controller UC400 XM32 Module (4 Relay) (Trane X13651563010) .....	1,042.71	192.92
23 09 23 53-0571	EA		Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010) .....	1,837.85	289.38
23 09 23 53-0572	EA		Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010) .....	1,042.71	192.92
23 09 23 53-0573	EA		Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011) .....	1,091.26	192.92
23 09 23 53-0574	EA		Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011) .....	1,095.21	192.92
23 09 23 53-0575	EA		Controller Optional Metal Enclosure, UC210 (Trane 501898) .....	407.55	192.10
23 09 23 53-0576	EA		Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801) .....	569.66	192.10
23 09 23 53-0577	EA		Controller Tracer UC600 Controller (Trane BMUC600AAA0100011) .....	2,041.79	289.38
23 09 23 53-0578	EA		Controller UC600 Tracer TD7 Display (Trane X13651571010) .....	1,967.75	289.38
23 09 23 53-0579	EA		Controller UC600 TD7 Mounting Bracket (Trane X05010511010) .....	122.25	38.44
23 09 23 53-0580	EA		Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010) .....	426.01	38.44
23 09 23 53-0581	EA		SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010) .....	2,087.56	289.38
23 09 23 53-0582	EA		BACnet Term (2 Pack) (Trane X1365152401) .....	195.82	69.16
23 09 23 53-0583	EA		Tracer ES Add License (Trane X40250125010) .....	2,521.96	
23 09 23 53-0584	EA		Kit - Tracer TU For Controls (Trane X4509151201) .....	3,767.11	385.83
23 09 23 53-0585	EA		Kit - Tracer TU Complete (Trane X4509151301) .....	4,895.14	385.83

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0586 EA Tracer TU Adapter Wired/Wireless (Trane X13651529010) .....	481.20	69.16
23 09 23 53-0587 EA Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010) .....	282.65	69.16
23 09 23 53-0588 EA Sensor Wireless Display Sensor ( Trane X13790822010) .....	317.64	69.16
23 09 23 53-0589 EA Sensor Wireless Receiver, 100mW (Trane X13790854010) .....	286.01	69.16
23 09 23 53-0590 EA Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010) .....	382.72	69.16
23 09 23 53-0591 EA Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010) .....	415.68	69.16
<b>23 09 23 53-0592 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators</b> <small>(23 09 23 53)</small>		
<b>23 09 23 53-0593 Current Switches And Current Sensors</b> <small>(23 09 23 53-0592)</small>		
23 09 23 53-0594 EA Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203) .....	112.16	30.87
23 09 23 53-0595 EA Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205) .....	116.20	30.87
23 09 23 53-0596 EA 0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L) .....	175.43	30.87
23 09 23 53-0597 EA 0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24) .....	106.77	30.87
23 09 23 53-0598 EA 0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA) .....	312.73	30.87
23 09 23 53-0599 EA 0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC) .....	202.12	30.87
23 09 23 53-0600 EA 1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709) .....	156.03	30.87
23 09 23 53-0601 EA 0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721) .....	156.03	30.87
23 09 23 53-0602 EA Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC) .....	4,020.50	154.34
23 09 23 53-0603 EA 100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2) .....	1,020.37	30.87
Note: 3 phase networked transducer.		
23 09 23 53-0604 EA 2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3) .....	1,547.10	30.87
23 09 23 53-0605 EA Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV) .....	166.86	30.87
23 09 23 53-0606 EA Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800) .....	258.11	81.99
23 09 23 53-0607 EA Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900) .....	258.44	81.99
23 09 23 53-0608 EA Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708) .....	274.59	81.99
23 09 23 53-0609 EA Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908) .....	278.63	81.99
23 09 23 53-0610 EA Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904) .....	301.51	81.99
23 09 23 53-0611 EA Toggle Switch .....	106.69	38.59
23 09 23 53-0612 EA Maintained Pushbutton Switch .....	113.28	38.59
23 09 23 53-0613 EA Manual Time Switch .....	175.42	38.59
23 09 23 53-0614 EA Emergency Stop Switch .....	286.54	38.59
23 09 23 53-0615 EA Float Switch .....	286.50	38.59
23 09 23 53-0616 EA Break Glass Switch .....	903.56	38.59
23 09 23 53-0617 EA Boiler E-Stop Switch .....	575.91	38.59
<b>23 09 23 53-0618 Relays</b> <small>(23 09 23 53-0592)</small>		
23 09 23 53-0619 EA DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V) .....	93.99	30.87
23 09 23 53-0620 EA SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1) .....	102.26	30.87
23 09 23 53-0621 EA SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B) .....	143.38	38.59
Note: Box type.		
23 09 23 53-0622 EA Motor Starter Interface, 300msec Pulse (Kele PIL-2) .....	176.53	30.87
23 09 23 53-0623 EA DP Relay Socket, DIN Rail Mounted (Kele SH2B-05) .....	87.98	30.87
23 09 23 53-0624 EA SP Relay Socket, DIN Rail Mounted (Kele SH1B-05) .....	86.77	30.87
23 09 23 53-0625 EA SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V) .....	93.99	30.87
23 09 23 53-0626 EA DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V) .....	97.77	30.87
23 09 23 53-0627 EA SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V) .....	98.81	30.87
23 09 23 53-0628 EA SPDT Pilot Relay, Universal (Kele RIBU1C) .....	108.51	38.59
Note: Box type.		
23 09 23 53-0629 EA SPST Pilot Relay With HOA Switch (Kele RIBU1S) .....	142.29	38.59
Note: Box type.		
23 09 23 53-0630 EA SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400) .....	246.50	38.59
23 09 23 53-0631 EA SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450) .....	245.00	38.59
<b>23 09 23 53-0632 Transformers</b> <small>(23 09 23 53-0592)</small>		
23 09 23 53-0633 EA 50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA) .....	111.27	30.87
23 09 23 53-0634 EA 75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB) .....	120.67	30.87
23 09 23 53-0635 EA 75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA) .....	120.67	30.87
23 09 23 53-0636 EA 100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB) .....	129.17	30.87
23 09 23 53-0637 EA 100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA) .....	134.41	30.87
<b>23 09 23 53-0638 Power Supplies</b> <small>(23 09 23 53-0592)</small>		
23 09 23 53-0639 EA Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA) .....	164.13	30.87
23 09 23 53-0640 EA AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2) .....	190.21	30.87
23 09 23 53-0641 EA DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524) .....	178.45	30.87
23 09 23 53-0642 EA DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D) .....	184.01	30.87
23 09 23 53-0643 EA DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H) .....	179.06	30.87
23 09 23 53-0644 EA DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P) .....	187.35	30.87
23 09 23 53-0645 EA DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C) .....	141.72	30.87
<b>23 09 23 53-0646 Control Damper Actuators</b> <small>(23 09 23 53-0592)</small>		
23 09 23 53-0647 EA 44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR) .....	541.63	115.19
23 09 23 53-0648 EA 90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR) .....	578.25	115.19
23 09 23 53-0649 EA 90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP) .....	638.23	115.19
23 09 23 53-0650 EA 175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR) .....	666.89	115.19

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

HUMBOLDT STATE UNIVERSITY

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UNIT COST UNIT COST

23 09 23 53-0651	EA	90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR).....	683.90	115.19
23 09 23 53-0652	EA	360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR).....	750.77	115.19

**23 09 43 Pneumatic Control System For HVAC** (23 09)**23 09 43 00-0001 Pneumatic Tubing For HVAC Instrumentation and Control Devices** (23 09 43)**23 09 43 00-0002 Polyurethane Pneumatic Tubing** (23 09 43 00-0001)

23 09 43 00-0003	LF	1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing.....	2.06	0.84
23 09 43 00-0004	LF	5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	2.55	0.87
23 09 43 00-0005	LF	3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	3.24	0.89
23 09 43 00-0006	LF	1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	4.03	0.92

**23 09 43 00-0007 Fire Resistant Polyethylene Pneumatic Tubing** (23 09 43 00-0001)

23 09 43 00-0008	LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	1.88	0.84
23 09 43 00-0009	LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	2.01	0.87
23 09 43 00-0010	LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	2.26	0.89
23 09 43 00-0011	LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	2.74	0.92

**23 09 43 00-0012 Nylon Pneumatic Tubing** (23 09 43 00-0001)

23 09 43 00-0013	LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing.....	2.16	0.82
23 09 43 00-0014	LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing.....	2.77	0.84
23 09 43 00-0015	LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing.....	4.04	0.89
23 09 43 00-0016	LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing.....	5.10	0.92

**23 09 43 00-0017 Flexible Vinyl Pneumatic Tubing** (23 09 43 00-0001)

23 09 43 00-0018	LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	2.13	0.84
23 09 43 00-0019	LF	3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	3.26	0.89
23 09 43 00-0020	LF	1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	3.87	0.92
23 09 43 00-0021	LF	5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	4.65	0.94
23 09 43 00-0022	LF	3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	5.23	0.97
23 09 43 00-0023	LF	1" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	7.04	0.99

**23 09 43 00-0024 Braided Vinyl Pneumatic Tubing** (23 09 43 00-0001)

23 09 43 00-0025	LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing.....	2.81	0.94
23 09 43 00-0026	LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing.....	3.22	0.97
23 09 43 00-0027	LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing.....	3.94	0.99

**23 09 43 00-0028 Copper Pneumatic Tubing** (23 09 43 00-0001)

23 09 43 00-0029	LF	1/4" Outside Diameter Copper Pneumatic Tubing.....	4.58	1.81
23 09 43 00-0030	LF	3/8" Outside Diameter Copper Pneumatic Tubing.....	5.55	2.09
23 09 43 00-0031	LF	1/2" Outside Diameter Copper Pneumatic Tubing.....	6.45	2.40
23 09 43 00-0032	LF	5/8" Outside Diameter Copper Pneumatic Tubing.....	7.92	2.77
23 09 43 00-0033	LF	3/4" Outside Diameter Copper Pneumatic Tubing.....	9.02	3.18

**23 09 43 00-0034 Brass Couplings** (23 09 43 00-0001)**23 09 43 00-0035 Straight Brass Couplings** (23 09 43 00-0034)

Note: Barb x Barb

23 09 43 00-0036	EA	1/4" x 1/4" Straight Brass Coupling.....	9.78	4.58
23 09 43 00-0037	EA	3/8" x 1/4" Straight Brass Coupling.....	9.88	4.58
23 09 43 00-0038	EA	3/8" x 3/8" Straight Brass Coupling.....	9.98	4.58

**23 09 43 00-0039 Elbow Brass Couplings** (23 09 43 00-0034)

Note: Barb x Barb

23 09 43 00-0040	EA	1/4" x 1/4" Elbow Brass Coupling.....	10.34	4.58
23 09 43 00-0041	EA	3/8" x 3/8" Elbow Brass Coupling.....	10.68	4.58

**23 09 43 00-0042 Tee Brass Couplings** (23 09 43 00-0034)

Note: Barb x Barb

23 09 43 00-0043	EA	1/4" x 1/4" x 1/4" Tee Brass Coupling.....	15.80	7.13
23 09 43 00-0044	EA	3/8" x 3/8" x 1/4" Tee Brass Coupling.....	18.04	7.63
23 09 43 00-0045	EA	3/8" x 3/8" x 3/8" Tee Brass Coupling.....	17.68	7.63

**23 10 Facility Fuel Systems** (23)**23 11 Facility Fuel Piping** (23 10)**23 11 23 Facility Natural-Gas Piping** (23 11)**23 11 23 00-0001 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping** (23 11 23)



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 11 23 00-0002		<b>Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0001)</small>		
		Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.		
23 11 23 00-0003	LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	5.12	1.78
23 11 23 00-0004	LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	5.62	1.93
23 11 23 00-0005	LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	6.69	2.09
23 11 23 00-0006	LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	8.37	2.21
23 11 23 00-0007	LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	9.79	2.32
23 11 23 00-0008	LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	14.68	2.42
23 11 23 00-0009	LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	19.75	2.58
23 11 23 00-0010		<b>Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0001)</small>		
23 11 23 00-0011		<b>Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0012	EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	24.57	
23 11 23 00-0013	EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	24.57	
23 11 23 00-0014	EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	26.32	
23 11 23 00-0015	EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	26.32	
23 11 23 00-0016	EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	31.37	
23 11 23 00-0017	EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	42.51	
23 11 23 00-0018	EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	42.51	
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	70.77	
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	127.70	
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	205.35	
23 11 23 00-0022		<b>Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	23.84	
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	26.32	
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	26.32	
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	31.37	
23 11 23 00-0027	EA	3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	31.37	
23 11 23 00-0028	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	40.74	
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	40.74	
23 11 23 00-0030		<b>Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	31.80	
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	41.39	
23 11 23 00-0033		<b>Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	32.38	
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	35.84	
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	44.62	
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	63.17	
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	116.46	
23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	225.20	
23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	372.43	
23 11 23 00-0041		<b>Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	44.91	
23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	70.79	
23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	110.65	
23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	188.41	
23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	202.48	
23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	232.14	
23 11 23 00-0048		<b>Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	29.25	
23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	30.30	
23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	32.92	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0052	EA		1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	43.68	
23 11 23 00-0053	EA		1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	44.29	
<b>23 11 23 00-0054</b>			<b>Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0055	EA		3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.06	
23 11 23 00-0056	EA		1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.99	
23 11 23 00-0057	EA		3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	38.61	
23 11 23 00-0058	EA		1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.28	
23 11 23 00-0059	EA		1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.28	
<b>23 11 23 00-0060</b>			<b>Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0061	EA		3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	52.14	
23 11 23 00-0062	EA		1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	53.47	
23 11 23 00-0063	EA		3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	55.97	
23 11 23 00-0064	EA		1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	86.23	
23 11 23 00-0065	EA		1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	89.45	
23 11 23 00-0066	EA		1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	126.91	
23 11 23 00-0067	EA		2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	156.69	
<b>23 11 23 00-0068</b>			<b>Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0069	EA		3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	54.86	
23 11 23 00-0070	EA		1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	56.13	
23 11 23 00-0071	EA		3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	61.56	
23 11 23 00-0072	EA		1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	107.62	
23 11 23 00-0073	EA		1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	111.02	
23 11 23 00-0074	EA		1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	150.95	
23 11 23 00-0075	EA		2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	189.26	
<b>23 11 23 00-0076</b>			<b>Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0077	EA		1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	31.23	
23 11 23 00-0078	EA		3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	33.67	
23 11 23 00-0079	EA		1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	50.13	
23 11 23 00-0080	EA		1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	76.00	
23 11 23 00-0081	EA		1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	145.42	
23 11 23 00-0082	EA		2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	230.10	
<b>23 11 23 00-0083</b>			<b>Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
			Note: Includes mounting plate.		
23 11 23 00-0084	EA		1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	26.99	
23 11 23 00-0085	EA		3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.38	
23 11 23 00-0086	EA		1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	27.02	
23 11 23 00-0087	EA		1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	27.10	
23 11 23 00-0088	EA		3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	28.29	
23 11 23 00-0089	EA		1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	33.38	
23 11 23 00-0090	EA		1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	39.87	
<b>23 11 23 00-0091</b>			<b>Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
			Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092	EA		1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	75.67	18.75
23 11 23 00-0093	EA		3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	85.15	19.68
<b>23 11 23 00-0094</b>			<b>Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0095	EA		3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	54.98	16.40
23 11 23 00-0096	EA		1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	64.06	19.49

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0097	EA		3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	78.48	23.43
23 11 23 00-0098	EA		1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	98.63	31.30
<b>23 11 23 00-0099</b>			<b>Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
			Note: Includes mounting hardware.		
23 11 23 00-0100	EA		1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	67.37	19.49
23 11 23 00-0101	EA		3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	76.75	23.43
23 11 23 00-0102	EA		1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	71.84	19.49
23 11 23 00-0103	EA		3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	79.64	23.43
23 11 23 00-0104	EA		2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	155.08	58.57
<b>23 11 23 00-0105</b>			<b>Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0106	EA		1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	70.99	19.49
23 11 23 00-0107	EA		1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	70.99	19.49
23 11 23 00-0108	EA		1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	97.75	19.49
23 11 23 00-0109	EA		3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	105.55	23.43
23 11 23 00-0110	EA		3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	105.55	23.43
23 11 23 00-0111	EA		1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	121.17	31.30
23 11 23 00-0112	EA		1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	178.58	35.14
23 11 23 00-0113	EA		1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	93.02	19.49
23 11 23 00-0114	EA		3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	226.76	23.43
23 11 23 00-0115	EA		1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	546.44	35.14
<b>23 11 23 00-0116</b>			<b>Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft)</b> <small>(23 11 23)</small>		
<b>23 11 23 00-0117</b>			<b>3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0118	EA		12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12).....	47.55	14.06
23 11 23 00-0119	EA		18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18).....	53.16	14.99
23 11 23 00-0120	EA		24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24).....	58.51	14.99
23 11 23 00-0121	EA		30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30).....	61.70	15.93
23 11 23 00-0122	EA		36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36).....	65.90	15.93
23 11 23 00-0123	EA		48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48).....	75.97	16.87
23 11 23 00-0124	EA		60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60).....	85.06	16.87
23 11 23 00-0125	EA		72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72).....	94.05	17.81
<b>23 11 23 00-0126</b>			<b>3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0127	EA		12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12).....	47.55	14.06
23 11 23 00-0128	EA		18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18).....	53.16	14.99
23 11 23 00-0129	EA		24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24).....	58.51	14.99
23 11 23 00-0130	EA		30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30).....	61.70	15.93
23 11 23 00-0131	EA		36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36).....	65.90	15.93
23 11 23 00-0132	EA		48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48).....	75.97	16.87
23 11 23 00-0133	EA		60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60).....	85.06	16.87
23 11 23 00-0134	EA		72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72).....	94.05	17.81
<b>23 11 23 00-0135</b>			<b>3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0136	EA		12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12).....	47.55	14.06
23 11 23 00-0137	EA		18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18).....	53.16	14.99
23 11 23 00-0138	EA		24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24).....	58.51	14.99
23 11 23 00-0139	EA		30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30).....	61.70	15.93

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 11 23 00-0140	EA	36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36).....	65.90		15.93
23 11 23 00-0141	EA	48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48).....	75.97		16.87
23 11 23 00-0142	EA	60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60).....	85.06		16.87
23 11 23 00-0143	EA	72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72).....	94.05		17.81
<b>23 11 23 00-0144</b>		<b>3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>			
23 11 23 00-0145	EA	12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12).....	47.55		14.06
23 11 23 00-0146	EA	18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18).....	53.16		14.99
23 11 23 00-0147	EA	24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24).....	73.28		14.99
23 11 23 00-0148	EA	30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30).....	61.70		15.93
23 11 23 00-0149	EA	36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36).....	65.90		15.93
23 11 23 00-0150	EA	48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48).....	75.97		16.87
23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60).....	85.06		16.87
23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72).....	94.05		17.81
<b>23 11 23 00-0153</b>		<b>3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>			
23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12).....	53.24		14.06
23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18).....	60.23		14.99
23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24).....	58.51		14.99
23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30).....	70.72		15.93
23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36).....	65.90		15.93
23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48).....	75.97		16.87
23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60).....	85.06		16.87
23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72).....	94.05		17.81
<b>23 11 23 00-0162</b>		<b>3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>			
23 11 23 00-0163	EA	12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12).....	47.55		14.06
23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24).....	66.87		14.99
23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30).....	61.70		15.93
23 11 23 00-0166	EA	36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36).....	65.90		15.93
23 11 23 00-0167	EA	48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48).....	75.97		16.87
23 11 23 00-0168	EA	60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60).....	100.11		16.87
23 11 23 00-0169	EA	72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72).....	94.05		17.81
<b>23 11 23 00-0170</b>		<b>3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>			
23 11 23 00-0171	EA	12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12).....	47.55		14.06
23 11 23 00-0172	EA	18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18).....	53.16		14.99
23 11 23 00-0173	EA	24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24).....	58.51		14.99
23 11 23 00-0174	EA	30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30).....	61.70		15.93
23 11 23 00-0175	EA	36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36).....	65.90		15.93
23 11 23 00-0176	EA	48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48).....	75.97		16.87
23 11 23 00-0177	EA	60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60).....	85.06		16.87
23 11 23 00-0178	EA	72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72).....	94.05		17.81

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 11 23 00-0179		<b>3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0180	EA	12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12)	47.55	14.06
23 11 23 00-0181	EA	18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18)	53.16	14.99
23 11 23 00-0182	EA	24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24)	58.51	14.99
23 11 23 00-0183	EA	30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30)	61.70	15.93
23 11 23 00-0184	EA	36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36)	65.90	15.93
23 11 23 00-0185	EA	48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48)	75.97	16.87
23 11 23 00-0186	EA	60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60)	85.06	16.87
23 11 23 00-0187	EA	72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72)	94.05	17.81
23 11 23 00-0188		<b>3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0189	EA	18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18)	60.23	14.99
23 11 23 00-0190	EA	24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24)	58.51	14.99
23 11 23 00-0191	EA	30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30)	70.72	15.93
23 11 23 00-0192	EA	36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36)	75.87	15.93
23 11 23 00-0193	EA	48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48)	88.64	16.87
23 11 23 00-0194		<b>1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0195	EA	12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12)	47.55	14.06
23 11 23 00-0196	EA	18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18)	53.16	14.99
23 11 23 00-0197	EA	24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24)	52.60	14.99
23 11 23 00-0198	EA	30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30)	61.70	15.93
23 11 23 00-0199	EA	36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36)	58.83	15.93
23 11 23 00-0200	EA	48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48)	78.12	16.87
23 11 23 00-0201	EA	60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60)	85.06	16.87
23 11 23 00-0202	EA	72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72)	94.05	17.81
23 11 23 00-0203		<b>1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0204	EA	12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12)	47.55	14.06
23 11 23 00-0205	EA	18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18)	48.34	14.99
23 11 23 00-0206	EA	24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24)	49.35	14.99
23 11 23 00-0207	EA	30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30)	61.70	15.93
23 11 23 00-0208	EA	36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36)	65.90	15.93
23 11 23 00-0209	EA	48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48)	66.75	16.87
23 11 23 00-0210	EA	60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60)	85.06	16.87
23 11 23 00-0211	EA	72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72)	94.05	17.81
23 11 23 00-0212		<b>1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0213	EA	12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12)	47.55	14.06
23 11 23 00-0214	EA	18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18)	53.16	14.99
23 11 23 00-0215	EA	24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24)	58.51	14.99
23 11 23 00-0216	EA	30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30)	61.70	15.93

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

HUMBOLDT STATE UNIVERSITY

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 11 23 00-0217	EA	36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36).....		53.92	15.93
23 11 23 00-0218	EA	48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48).....		75.97	16.87
23 11 23 00-0219	EA	60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60).....		85.06	16.87
23 11 23 00-0220	EA	72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72).....		94.05	17.81
<b>23 11 23 00-0221</b>		<b>3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>			
23 11 23 00-0222	EA	12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12).....		67.82	14.06
23 11 23 00-0223	EA	18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18).....		73.39	14.99
23 11 23 00-0224	EA	24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24).....		78.75	14.99
23 11 23 00-0225	EA	30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30).....		81.91	15.93
23 11 23 00-0226	EA	36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36).....		86.29	15.93
23 11 23 00-0227	EA	48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48).....		95.73	16.87
23 11 23 00-0228	EA	60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60).....		105.64	16.87
23 11 23 00-0229	EA	72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72).....		114.66	17.81
<b>23 11 23 00-0230</b>		<b>3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>			
23 11 23 00-0231	EA	12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12).....		77.19	18.75
23 11 23 00-0232	EA	18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18).....		82.76	19.68
23 11 23 00-0233	EA	24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24).....		88.12	19.68
23 11 23 00-0234	EA	30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30).....		91.28	20.61
23 11 23 00-0235	EA	36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36).....		95.65	20.61
23 11 23 00-0236	EA	48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48).....		105.10	21.55
23 11 23 00-0237	EA	60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60).....		115.02	21.55
23 11 23 00-0238	EA	72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72).....		124.04	22.49
<b>23 11 23 00-0239</b>		<b>3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>			
23 11 23 00-0240	EA	12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....		77.19	18.75
23 11 23 00-0241	EA	18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....		82.76	19.68
23 11 23 00-0242	EA	24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....		88.12	19.68
23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30).....		91.28	20.61
23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36).....		95.65	20.61
23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48).....		105.10	21.55
23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60).....		115.02	21.55
23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72).....		124.04	22.49
<b>23 11 23 00-0248</b>		<b>3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>			
23 11 23 00-0249	EA	12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....		93.67	18.75
23 11 23 00-0250	EA	18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....		99.24	19.68
23 11 23 00-0251	EA	24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....		104.59	19.68
23 11 23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30).....		107.75	20.61
23 11 23 00-0253	EA	36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36).....		112.16	20.61
23 11 23 00-0254	EA	48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48).....		121.59	21.55
23 11 23 00-0255	EA	60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60).....		131.51	21.55

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 11 23 00-0256		<b>3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0257	EA	12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12)	93.67	18.75
23 11 23 00-0258	EA	18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18)	99.24	19.68
23 11 23 00-0259	EA	24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24)	104.59	19.68
23 11 23 00-0260	EA	36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36)	112.16	20.61
23 11 23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48)	121.59	21.55
23 11 23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60)	131.51	21.55
23 11 23 00-0263		<b>1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12)	93.67	18.75
23 11 23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18)	99.24	19.68
23 11 23 00-0266	EA	24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24)	104.59	19.68
23 11 23 00-0267	EA	30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30)	107.75	20.61
23 11 23 00-0268	EA	36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36)	112.16	20.61
23 11 23 00-0269	EA	48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48)	121.59	21.55
23 11 23 00-0270	EA	60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60)	131.51	21.55
23 11 23 00-0271	EA	72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72)	140.51	22.49
23 11 23 00-0272		<b>1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0273	EA	12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12)	72.84	18.75
23 11 23 00-0274	EA	18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18)	78.44	19.68
23 11 23 00-0275	EA	24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24)	83.82	19.68
23 11 23 00-0276	EA	30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30)	86.94	20.61
23 11 23 00-0277	EA	36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36)	91.33	20.61
23 11 23 00-0278	EA	48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48)	100.75	21.55
23 11 23 00-0279	EA	72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72)	119.65	22.49
23 11 23 00-0280		<b>1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0281	EA	18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18)	90.16	19.68
23 11 23 00-0282	EA	24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24)	96.84	19.68
23 11 23 00-0283		<b>Quarter-Turn, Gas Ball Valve</b> <small>(23 11 23)</small>		
23 11 23 00-0284	EA	3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102)	40.92	9.97
23 11 23 00-0285	EA	1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103)	40.08	10.18
23 11 23 00-0286	EA	3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104)	59.28	11.20
23 11 23 00-0287	EA	3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112)	40.42	9.97
23 11 23 00-0288	EA	1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113)	42.45	10.18
23 11 23 00-0289	EA	1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118)	49.43	10.18
23 11 23 00-0290	EA	5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121)	52.20	10.68
23 11 23 00-0291	EA	5/8" (7/8"-14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114)	55.75	10.68
23 11 23 00-0292	EA	5/8" (15/16"-16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115)	55.75	10.68
23 11 23 00-0293	EA	3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312)	43.08	9.97
23 11 23 00-0294	EA	1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313)	45.11	10.18
23 11 23 00-0295	EA	5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314)	57.62	10.68
23 11 23 00-0296	EA	1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413)	45.46	10.18
23 11 23 00-0297	EA	3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414)	61.29	11.20
23 11 23 00-0298	EA	3/8" (9/16"-24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119)	42.94	9.97
23 11 23 00-0299	EA	3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612)	40.07	9.97

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0300	EA		1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613).....	40.07	10.18
23 11 23 00-0301	EA		3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614).....	55.46	11.20
23 11 23 00-0302	EA		1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615).....	78.08	12.72
23 11 23 00-0303	EA		1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616).....	116.62	13.22
23 11 23 00-0304	EA		1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617).....	139.97	15.26
23 11 23 00-0305	EA		2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618).....	174.92	18.31
23 11 23 00-0306	EA		1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713).....	41.61	10.18
23 11 23 00-0307	EA		3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714).....	54.99	11.20
<b>23 11 23 00-0308</b>			<b>Gas Stops (23 11 23)</b>		
<b>23 11 23 00-0309</b>			<b>Brass/Bronze Gas Stops (23 11 23 00-0308)</b>		
			Note: Flat or square head		
23 11 23 00-0310	EA		3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	45.38	10.18
23 11 23 00-0311	EA		1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	45.53	10.18
23 11 23 00-0312	EA		3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	59.82	11.20
23 11 23 00-0313	EA		1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	83.59	12.72
23 11 23 00-0314	EA		1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	110.99	13.54
23 11 23 00-0315	EA		1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	139.39	15.67
23 11 23 00-0316	EA		2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	192.32	18.51
<b>23 11 23 00-0317</b>			<b>Iron Body Gas Stops (23 11 23 00-0308)</b>		
23 11 23 00-0318	EA		1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	60.66	10.18
23 11 23 00-0319	EA		3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	74.71	11.20
23 11 23 00-0320	EA		1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	92.57	12.72
23 11 23 00-0321	EA		1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	119.71	13.54
23 11 23 00-0322	EA		1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	150.34	15.67
23 11 23 00-0323	EA		2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	194.81	18.51
23 11 23 00-0324	EA		2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	374.60	25.02
23 11 23 00-0325	EA		3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	501.31	29.05
<b>23 11 23 00-0326</b>			<b>Bronze Body Solenoid Valves, 150 PSI Gas (23 11 23)</b>		
23 11 23 00-0327	EA		1/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	151.95	10.18
23 11 23 00-0328	EA		1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	177.06	10.18
23 11 23 00-0329	EA		3/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	225.60	11.20
23 11 23 00-0330	EA		1" Solenoid Valve, Bronze, 150 PSI, Gas.....	337.64	12.72
23 11 23 00-0331	EA		1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	602.73	15.67
23 11 23 00-0332	EA		2" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,023.32	18.51
23 11 23 00-0333	EA		2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,268.44	25.02
23 11 23 00-0334	EA		3" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,908.55	29.05
<b>23 11 26 Facility Liquefied-Petroleum Gas Piping (23 11)</b>					
<b>23 11 26 00-0001</b>			<b>Fiberglass Reinforced Plastic Pipe And Fittings (23 11 26)</b>		
<b>23 11 26 00-0002</b>			<b>Fiberglass Reinforced Plastic Pipe (23 11 26 00-0001)</b>		
			Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (include in modifier for use as inner pipe).		
23 11 26 00-0003	LF		2" Fiberglass Reinforced Plastic Pipe.....	16.72	6.75
			For Use As Inner Pipe In Double Wall Pipe System, Deduct.....	-7.55	
23 11 26 00-0004	LF		3" Fiberglass Reinforced Plastic Pipe.....	20.05	8.06
			For Use As Inner Pipe In Double Wall Pipe System, Deduct.....	-9.07	
23 11 26 00-0005	LF		4" Fiberglass Reinforced Plastic Pipe.....	26.95	11.90
			For Use As Inner Pipe In Double Wall Pipe System, Deduct.....	-13.36	
23 11 26 00-0006	LF		5" Fiberglass Reinforced Plastic Pipe.....	31.46	13.68
			For Use As Inner Pipe In Double Wall Pipe System, Deduct.....	-15.05	
23 11 26 00-0007	LF		6" Fiberglass Reinforced Plastic Pipe.....	36.61	15.28
			For Use As Inner Pipe In Double Wall Pipe System, Deduct.....	-17.21	
23 11 26 00-0008	LF		8" Fiberglass Reinforced Plastic Pipe.....	48.52	17.81
			For Use As Inner Pipe In Double Wall Pipe System, Deduct.....	-20.00	
23 11 26 00-0009	LF		10" Fiberglass Reinforced Plastic Pipe.....	63.69	21.17
			For Use As Inner Pipe In Double Wall Pipe System, Deduct.....	-23.85	
23 11 26 00-0010	LF		12" Fiberglass Reinforced Plastic Pipe.....	94.73	26.66
			For Use As Inner Pipe In Double Wall Pipe System, Deduct.....	-30.01	
<b>23 11 26 00-0011</b>			<b>Fiberglass Reinforced Plastic Fittings (23 11 26 00-0001)</b>		
<b>23 11 26 00-0012</b>			<b>Fiberglass Reinforced Plastic Flanged 90 Degree Elbows (23 11 26 00-0011)</b>		
23 11 26 00-0013	EA		2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	133.84	67.19
			For Use As Inner Pipe In Double Wall Pipe System, Deduct.....	-75.57	
23 11 26 00-0014	EA		3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	158.41	80.68
			For Use As Inner Pipe In Double Wall Pipe System, Deduct.....	-90.69	
23 11 26 00-0015	EA		4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	188.68	93.71
			For Use As Inner Pipe In Double Wall Pipe System, Deduct.....	-105.35	
23 11 26 00-0016	EA		5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	225.02	105.33
			For Use As Inner Pipe In Double Wall Pipe System, Deduct.....	-116.19	
23 11 26 00-0017	EA		6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	269.17	118.18
			For Use As Inner Pipe In Double Wall Pipe System, Deduct.....	-132.89	
23 11 26 00-0018	EA		8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	378.86	147.68
			For Use As Inner Pipe In Double Wall Pipe System, Deduct.....	-166.10	
23 11 26 00-0019	EA		10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	483.09	177.89
			For Use As Inner Pipe In Double Wall Pipe System, Deduct.....	-200.04	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0020	EA		12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	721.02 -248.05	220.58
<b>23 11 26 00-0021</b>			<b>Fiberglass Reinforced Plastic Flanged 45 Degree Elbows</b> (23 11 26 00-0011)		
23 11 26 00-0022	EA		2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	134.09 -75.57	67.19
23 11 26 00-0023	EA		3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	158.48 -90.69	80.68
23 11 26 00-0024	EA		4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	188.94 -105.43	93.80
23 11 26 00-0025	EA		5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	234.12 -122.99	111.42
23 11 26 00-0026	EA		6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	269.08 -132.89	118.18
23 11 26 00-0027	EA		8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	378.86 -166.10	147.68
23 11 26 00-0028	EA		10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	555.68 -200.04	177.89
23 11 26 00-0029	EA		12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	721.02 -248.05	220.58
<b>23 11 26 00-0030</b>			<b>Fiberglass Reinforced Plastic Flanged Tees</b> (23 11 26 00-0011)		
23 11 26 00-0031	EA		2" Fiberglass Reinforced Plastic Flanged Tee ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	211.22 -113.36	100.83
23 11 26 00-0032	EA		3" Fiberglass Reinforced Plastic Flanged Tee ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	258.46 -136.52	121.45
23 11 26 00-0033	EA		4" Fiberglass Reinforced Plastic Flanged Tee ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	296.27 -158.15	140.66
23 11 26 00-0034	EA		5" Fiberglass Reinforced Plastic Flanged Tee ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	363.71 -184.57	167.08
23 11 26 00-0035	EA		6" Fiberglass Reinforced Plastic Flanged Tee ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	416.54 -200.04	177.89
23 11 26 00-0036	EA		8" Fiberglass Reinforced Plastic Flanged Tee ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	521.27 -248.05	220.58
23 11 26 00-0037	EA		10" Fiberglass Reinforced Plastic Flanged Tee ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	761.40 -300.06	266.83
23 11 26 00-0038	EA		12" Fiberglass Reinforced Plastic Flanged Tee ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	990.47 -364.77	324.41
<b>23 11 26 00-0039</b>			<b>Fiberglass Reinforced Plastic Flanged Wyes</b> (23 11 26 00-0011)		
23 11 26 00-0040	EA		2" Fiberglass Reinforced Plastic Flanged Wye ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	251.88 -113.36	100.83
23 11 26 00-0041	EA		3" Fiberglass Reinforced Plastic Flanged Wye ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	316.43 -136.35	121.26
23 11 26 00-0042	EA		4" Fiberglass Reinforced Plastic Flanged Wye ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	370.17 -158.14	140.66
23 11 26 00-0043	EA		5" Fiberglass Reinforced Plastic Flanged Wye ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	426.65 -184.57	167.08
23 11 26 00-0044	EA		6" Fiberglass Reinforced Plastic Flanged Wye ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	468.51 -200.04	177.89
23 11 26 00-0045	EA		8" Fiberglass Reinforced Plastic Flanged Wye ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	603.46 -248.05	220.58
23 11 26 00-0046	EA		10" Fiberglass Reinforced Plastic Flanged Wye ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	865.06 -300.06	266.83
23 11 26 00-0047	EA		12" Fiberglass Reinforced Plastic Flanged Wye ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,103.47 -364.77	324.41
<b>23 11 26 00-0048</b>			<b>Fiberglass Reinforced Plastic Flanged Concentric Reducers</b> (23 11 26 00-0011)		
23 11 26 00-0049	EA		2" Fiberglass Reinforced Plastic Flanged Concentric Reducer ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	151.66 -75.57	67.19
23 11 26 00-0050	EA		3" Fiberglass Reinforced Plastic Flanged Concentric Reducer ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	191.09 -90.69	80.68
23 11 26 00-0051	EA		4" Fiberglass Reinforced Plastic Flanged Concentric Reducer ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	214.06 -105.43	93.80
23 11 26 00-0052	EA		5" Fiberglass Reinforced Plastic Flanged Concentric Reducer ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	248.91 -122.99	111.42
23 11 26 00-0053	EA		6" Fiberglass Reinforced Plastic Flanged Concentric Reducer ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	273.52 -132.89	118.18
23 11 26 00-0054	EA		8" Fiberglass Reinforced Plastic Flanged Concentric Reducer ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	355.76 -166.10	147.68
23 11 26 00-0055	EA		10" Fiberglass Reinforced Plastic Flanged Concentric Reducer ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	445.48 -200.04	177.89
23 11 26 00-0056	EA		12" Fiberglass Reinforced Plastic Flanged Concentric Reducer ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	589.71 -248.05	220.58
<b>23 11 26 00-0057</b>			<b>Fiberglass Reinforced Plastic Bell x Male Or Female Adapters</b> (23 11 26 00-0011)		
23 11 26 00-0058	EA		2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	133.49 -75.57	67.19
23 11 26 00-0059	EA		3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	156.39 -90.69	80.68
23 11 26 00-0060	EA		4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	179.39 -105.43	93.80

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0061	EA		4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	214.95 -122.99	111.42
23 11 26 00-0062	EA		6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	240.29 -132.89	118.18
23 11 26 00-0063	EA		8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	264.20 -166.10	147.68
23 11 26 00-0064	EA		10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	328.13 -200.04	177.89
23 11 26 00-0065	EA		12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	464.25 -248.05	220.58
<b>23 11 26 00-0066</b>			<b>Fiberglass Reinforced Plastic Nipples</b> (23 11 26 00-0011)		
23 11 26 00-0067	EA		2" x 6" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	21.13 -9.07	8.06
23 11 26 00-0068	EA		2" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	42.19 -18.09	16.11
23 11 26 00-0069	EA		3" x 8" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	58.04 -13.91	12.37
23 11 26 00-0070	EA		3" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	69.00 -18.62	16.57
23 11 26 00-0071	EA		4" x 8" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	61.22 -13.29	11.78
23 11 26 00-0072	EA		4" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	76.77 -19.93	17.72
23 11 26 00-0073	EA		6" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	93.16 -21.92	19.85
23 11 26 00-0074	EA		6" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	109.56 -23.94	21.26
23 11 26 00-0075	EA		8" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	69.73 -27.90	24.81
23 11 26 00-0076	EA		8" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	96.48 -39.83	35.44
23 11 26 00-0077	EA		10" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	102.76 -28.36	25.25
23 11 26 00-0078	EA		10" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	154.18 -42.47	37.74
23 11 26 00-0079	EA		12" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	117.00 -29.25	26.05
23 11 26 00-0080	EA		12" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	157.46 -43.88	38.98
<b>23 11 26 00-0081</b>			<b>Fiberglass Reinforced Plastic Sleeve Couplings</b> (23 11 26 00-0011)		
23 11 26 00-0082	EA		2" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	109.06 -75.57	67.19
23 11 26 00-0083	EA		3" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	131.03 -90.69	80.68
23 11 26 00-0084	EA		4" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	151.95 -105.43	93.80
23 11 26 00-0085	EA		5" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	179.72 -122.99	111.42
23 11 26 00-0086	EA		6" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	197.26 -132.89	118.18
23 11 26 00-0087	EA		8" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	250.92 -166.10	147.68
23 11 26 00-0088	EA		10" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	311.56 -200.04	177.89
23 11 26 00-0089	EA		12" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	383.60 -248.05	220.58
<b>23 11 26 00-0090</b>			<b>Fiberglass Reinforced Plastic Flanges</b> (23 11 26 00-0011)		
23 11 26 00-0091	EA		2" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	110.10 -75.57	67.19
23 11 26 00-0092	EA		3" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	132.40 -90.69	80.68
23 11 26 00-0093	EA		4" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	148.18 -99.49	88.50
23 11 26 00-0094	EA		5" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	175.85 -116.27	105.33
23 11 26 00-0095	EA		6" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	203.28 -132.89	118.18
23 11 26 00-0096	EA		8" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	247.47 -159.00	141.38
23 11 26 00-0097	EA		10" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	320.93 -200.04	177.89
23 11 26 00-0098	EA		12" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	421.08 -248.05	220.58
<b>23 11 26 00-0099</b>			<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings</b> (23 11 26)		
<b>23 11 26 00-0100</b>			<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing</b> (23 11 26 00-0099)		
23 11 26 00-0101	LF		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	69.37	28.96

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0102	LF		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	82.51	34.30
23 11 26 00-0103	LF		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	111.64	50.60
23 11 26 00-0104	LF		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	151.78	65.60
23 11 26 00-0105	LF		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	199.71	76.18
23 11 26 00-0106	LF		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	260.18	90.36
23 11 26 00-0107	LF		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	331.10	114.01
<b>23 11 26 00-0108</b>			<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings (23 11 26 00-0099)</b>		
<b>23 11 26 00-0109</b>			<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows (23 11 26 00-0108)</b>		
23 11 26 00-0110	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,088.63	358.34
23 11 26 00-0111	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,269.80	430.12
23 11 26 00-0112	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,553.18	499.84
23 11 26 00-0113	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	2,478.28	630.13
23 11 26 00-0114	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	3,805.07	787.81
23 11 26 00-0115	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	5,028.25	947.80
23 11 26 00-0116	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	6,631.91	1,173.70
<b>23 11 26 00-0117</b>			<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows (23 11 26 00-0108)</b>		
23 11 26 00-0118	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,089.83	358.34
23 11 26 00-0119	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,267.70	430.12
23 11 26 00-0120	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,551.53	499.84
23 11 26 00-0121	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,468.56	630.13
23 11 26 00-0122	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	3,791.00	787.81
23 11 26 00-0123	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	5,009.55	948.25
23 11 26 00-0124	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	6,609.78	1,176.36
<b>23 11 26 00-0125</b>			<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees (23 11 26 00-0108)</b>		
23 11 26 00-0126	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	1,551.73	537.52
23 11 26 00-0127	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	1,920.30	647.82
23 11 26 00-0128	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	2,185.08	750.15
23 11 26 00-0129	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	3,282.52	948.69
23 11 26 00-0130	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	4,129.60	1,176.36
23 11 26 00-0131	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	6,617.32	1,421.39
23 11 26 00-0132	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	8,843.13	1,723.39
<b>23 11 26 00-0133</b>			<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes (23 11 26 00-0108)</b>		
23 11 26 00-0134	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	2,056.57	537.52
23 11 26 00-0135	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	2,641.67	647.06
23 11 26 00-0136	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	3,102.94	750.15
23 11 26 00-0137	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	3,927.80	948.69
23 11 26 00-0138	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	5,150.09	1,176.36
23 11 26 00-0139	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	7,904.49	1,421.39
23 11 26 00-0140	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	10,246.22	1,723.39
<b>23 11 26 00-0141</b>			<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers (23 11 26 00-0108)</b>		
23 11 26 00-0142	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,169.19	358.34
23 11 26 00-0143	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,516.17	430.12
23 11 26 00-0144	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,661.89	499.84
23 11 26 00-0145	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	2,140.97	630.13
23 11 26 00-0146	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	2,848.62	787.81
23 11 26 00-0147	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	3,640.63	947.80
23 11 26 00-0148	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	4,975.31	1,173.70

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR		CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST
23 11 26 00-0149				<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters</b> <small>(23 11 26 00-0108)</small>		
23 11 26 00-0150	EA			2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	943.57	358.34
23 11 26 00-0151	EA			3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,085.29	430.12
23 11 26 00-0152	EA			4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,231.42	499.84
23 11 26 00-0153	EA			6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,728.37	630.13
23 11 26 00-0154	EA			8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,711.79	787.81
23 11 26 00-0155	EA			10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	2,183.44	947.80
23 11 26 00-0156	EA			12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	3,417.57	1,173.70
23 11 26 00-0157				<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples</b> <small>(23 11 26 00-0108)</small>		
23 11 26 00-0158	EA			2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	176.68	43.01
23 11 26 00-0159	EA			2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	353.02	85.83
23 11 26 00-0160	EA			3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	589.26	65.97
23 11 26 00-0161	EA			3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	680.89	88.32
23 11 26 00-0162	EA			4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	634.66	62.99
23 11 26 00-0163	EA			4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	764.97	94.53
23 11 26 00-0164	EA			6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	1,134.24	113.57
23 11 26 00-0165	EA			8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	602.33	132.35
23 11 26 00-0166	EA			8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	821.79	188.96
23 11 26 00-0167	EA			10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	1,008.17	134.48
23 11 26 00-0168	EA			10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	1,513.17	201.45
23 11 26 00-0169	EA			12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	1,176.50	138.73
23 11 26 00-0170	EA			12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	1,540.69	208.09
23 11 26 00-0171				<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges</b> <small>(23 11 26 00-0108)</small>		
23 11 26 00-0172	EA			4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	900.21	471.82
23 11 26 00-0173	EA			6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,268.82	630.13
23 11 26 00-0174	EA			8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,571.21	754.24
23 11 26 00-0175	EA			10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	2,094.11	947.80
23 11 26 00-0176	EA			12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	2,881.57	1,173.70
23 12				<b>Facility Fuel Pumps</b> <small>(23 10)</small>		
23 12 13				<b>Facility Fuel-Oil Pumps</b> <small>(23 12)</small>		
23 12 13 00-0001				<b>Cast Iron Internal Gear Rotary Pump</b> <small>(23 12 13)</small>		
				Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.		
23 12 13 00-0002				<b>10 GPM 1" Discharge</b> <small>(23 12 13 00-0001)</small>		
23 12 13 00-0003	EA			10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge.....	904.84	271.92
23 12 13 00-0004	EA			10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge.....	971.31	329.12
23 12 13 00-0005	EA			10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge.....	1,079.41	391.01
23 12 13 00-0006				<b>25 GPM 1-1/4" Discharge</b> <small>(23 12 13 00-0001)</small>		
23 12 13 00-0007	EA			25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge.....	1,034.80	271.92
23 12 13 00-0008	EA			25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge.....	1,098.84	329.12
23 12 13 00-0009	EA			25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge.....	1,162.71	391.01
23 12 13 00-0010				<b>Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI</b> <small>(23 12 13)</small>		
23 12 13 00-0011	EA			1/4 HP Pump Fuel Oil/Diesel.....	705.20	152.37
23 12 13 00-0012	EA			1/3 HP Pump Fuel Oil/Diesel.....	821.25	170.66
23 12 13 00-0013	EA			1/2 HP Pump Fuel Oil/Diesel.....	902.27	191.29
23 12 13 00-0014	EA			3/4 HP Pump Fuel Oil/Diesel.....	990.82	215.67
23 12 13 00-0015	EA			1 HP Pump Fuel Oil/Diesel.....	1,335.06	240.05
23 12 13 00-0016	EA			1-1/2 HP Pump Fuel Oil/Diesel.....	1,609.76	268.64
23 12 13 00-0017	EA			2 HP Pump Fuel Oil/Diesel.....	1,786.99	300.99
23 12 13 00-0018	EA			3 HP Pump Fuel Oil/Diesel.....	2,150.71	336.63
23 12 13 00-0019	EA			5 HP Pump Fuel Oil/Diesel.....	2,517.21	377.42
23 12 13 00-0020	EA			7.5 HP Pump Fuel Oil/Diesel.....	2,819.11	423.36
23 12 13 00-0021	EA			10 HP Pump Fuel Oil/Diesel.....	3,160.51	474.55
23 12 23				<b>Facility Natural-Gas Pumps</b> <small>(23 12)</small>		
23 12 23 00-0001				<b>Natural Gas Booster Pump</b> <small>(23 12 23)</small>		
23 12 23 00-0002	EA			Natural Gas Booster Pump, 3/4" Outlet Size.....	893.36	140.65
23 12 23 00-0003	EA			Natural Gas Booster Pump, 1" Outlet Size.....	1,056.63	157.06

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size .....	1,181.03	164.10
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size .....	1,335.54	171.13
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size .....	1,505.47	175.81

23 13 Facility Fuel-Storage Tanks (23 10)

23 13 13 Facility Underground Fuel-Oil, Storage Tanks (23 13)

23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks (23 13 13)

23 13 13 13-0001 Coated Underground Double Wall Storage Tanks (23 13 13 13)

Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.

23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	8,134.04	640.12
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	8,757.56	640.12
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	12,581.18	800.10
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	17,506.47	1,562.78
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	27,591.27	2,009.17
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	30,778.55	2,307.59
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	33,556.73	3,051.11
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	34,771.99	3,275.90
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	42,362.49	3,870.06
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	49,050.86	4,463.83
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	62,272.64	4,908.84
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	73,906.17	5,960.12
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	76,439.98	6,325.23
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	95,136.62	10,033.14
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	117,321.42	13,010.52
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	137,969.41	14,886.40
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	175,588.12	16,002.88
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	234,759.52	16,413.26

23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks (23 13 13)

23 13 13 23-0001 Underground Fiberglass Storage Tanks (23 13 13 23)

23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	3,000.94	640.12
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	3,768.15	800.10
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	4,898.04	989.95
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	5,586.92	1,205.79
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	6,270.13	1,414.21
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	7,667.90	1,860.80
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	9,319.71	2,828.41
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	10,648.00	3,572.74
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	12,689.81	4,019.33
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	14,365.25	4,763.65
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	18,347.99	5,656.83
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	22,621.36	7,071.05
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	28,682.52	9,452.87
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	42,183.18	11,760.26
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	51,548.46	14,142.08
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	73,789.36	20,468.80
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	104,124.82	26,051.20

23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	5,631.45	640.12
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	7,409.50	800.10
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	8,886.03	967.62
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	11,600.69	1,414.31
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	13,109.51	1,860.80
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	15,301.78	2,828.41
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	17,163.12	3,572.74
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	20,981.78	4,019.33
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	22,657.23	4,763.65
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	27,380.32	5,656.83
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	37,465.48	7,071.05
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	46,599.11	9,452.87
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	71,834.18	14,142.08

23 13 13 23-0034 Underground Storage Tank Pump Enclosures (23 13 13 23)

23 13 13 23-0035	EA	Secondary Containment Collar .....	1,103.28	
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter.....	1,103.28	
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure.....	220.66	
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical.....	441.31	
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit.....	551.64	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks (23 13)****23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)****23 13 23 13-0001 Rectangle Double Wall Steel Fuel Day Tank (23 13 23 13)**

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	1,151.57	122.16
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	1,237.17	128.27
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	1,343.29	137.42
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	1,545.41	146.59
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	1,725.30	152.70
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	2,033.33	183.23
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	2,742.50	213.77
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	3,475.66	244.31
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	4,465.95	274.85
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	4,977.98	305.39
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	5,693.47	366.47
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	6,374.67	427.54
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0014	EA	400 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	7,076.45	488.63
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0015	EA	450 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	7,857.61	519.16
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0016	EA	500 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	8,643.92	549.70
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0017	EA	550 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	9,538.22	580.24
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0018	EA	600 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	10,319.38	610.78
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0019	EA	700 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	11,482.94	732.93
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0020	EA	800 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	12,385.28	794.01
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0021	EA	900 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	13,584.83	916.17
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0022	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	14,789.54	1,038.33
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0023	EA	10 Gallon Double Wall Steel Day Tank (Tramont UTRX) .....	1,401.85	122.16
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0024	EA	15 Gallon Double Wall Steel Day Tank (Tramont UTRX) .....	1,489.16	128.27
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0025	EA	25 Gallon Double Wall Steel Day Tank (Tramont UTRX) .....	1,595.28	137.42
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0026	EA	50 Gallon Double Wall Steel Day Tank (Tramont UTRX) .....	1,795.69	146.59
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0027	EA	60 Gallon Double Wall Steel Day Tank (Tramont UTRX) .....	1,975.58	152.70
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0028	EA	75 Gallon Double Wall Steel Day Tank (Tramont UTRX) .....	2,285.33	183.23
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0029	EA	100 Gallon Double Wall Steel Day Tank (Tramont UTRX) .....	3,018.49	213.77
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0030	EA	150 Gallon Double Wall Steel Day Tank (Tramont UTRX) .....	3,751.65	244.31
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0031	EA	200 Gallon Double Wall Steel Day Tank (Tramont UTRX) .....	4,741.94	274.85
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0032	EA	275 Gallon Double Wall Steel Day Tank (Tramont UTRX) .....	5,253.97	305.39
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank (Tramont UTRX) .....	5,969.46	366.47
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank (Tramont UTRX) .....	6,650.66	427.54
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank (Tramont UTRX) .....	7,352.44	488.63
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank (Tramont UTRX) .....	8,133.61	519.16
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank (Tramont UTRX) .....	8,919.91	549.70
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank (Tramont UTRX) .....	9,815.93	580.24
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0039	EA	600 Gallon Double Wall Steel Day Tank (Tramont UTRX) .....	10,597.09	610.78
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0040	EA	700 Gallon Double Wall Steel Day Tank (Tramont UTRX) .....	11,758.93	732.93
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0041	EA	800 Gallon Double Wall Steel Day Tank (Tramont UTRX) .....	12,661.27	794.01
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23	13-0042	EA	900 Gallon Double Wall Steel Day Tank (Tramont UTRX). Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,860.82	916.17
23 13 23	13-0043	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX). Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,065.54	1,038.33
23 13 23	13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE). Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,349.82	122.16
23 13 23	13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE). Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,426.84	128.27
23 13 23	13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE). Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,495.25	137.42
23 13 23	13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE). Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,764.23	146.59
23 13 23	13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE). Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,865.26	152.70
23 13 23	13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE). Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,163.01	183.23
23 13 23	13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE). Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,808.75	213.77
23 13 23	13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE). Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,812.76	244.31
23 13 23	13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,412.20	274.85
23 13 23	13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,086.48	305.39
23 13 23	13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,004.25	366.47
23 13 23	13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,551.74	427.54
23 13 23	13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,301.52	488.63
23 13 23	13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,046.69	519.16
23 13 23	13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,031.84	549.70
23 13 23	13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,437.59	580.24
23 13 23	13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,800.48	610.78
23 13 23	13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,490.30	732.93
23 13 23	13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,141.76	794.01
23 13 23	13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,934.44	916.17
23 13 23	13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,756.27	1,038.33
23 13 23	13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,481.21	122.16
23 13 23	13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,558.23	128.27
23 13 23	13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,626.64	137.42
23 13 23	13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,895.62	146.59
23 13 23	13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,996.65	152.70
23 13 23	13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,294.40	183.23
23 13 23	13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,940.14	213.77
23 13 23	13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,944.15	244.31
23 13 23	13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,619.02	274.85
23 13 23	13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,823.60	305.39
23 13 23	13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,741.37	366.47
23 13 23	13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,290.58	427.54
23 13 23	13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,038.64	488.63
23 13 23	13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,785.52	519.16
23 13 23	13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,768.96	549.70
23 13 23	13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,174.71	580.24
23 13 23	13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,537.60	610.78
23 13 23	13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,227.42	732.93
23 13 23	13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,880.59	794.01
23 13 23	13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,671.56	916.17
23 13 23	13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE. Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,493.39	1,038.33

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23	13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,113.76	122.16
23 13 23	13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,199.35	128.27
23 13 23	13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,269.48	137.42
23 13 23	13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,547.03	146.59
23 13 23	13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,696.06	152.70
23 13 23	13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,966.38	183.23
23 13 23	13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,637.83	213.77
23 13 23	13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,689.84	244.31
23 13 23	13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,311.57	274.85
23 13 23	13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,050.99	305.39
23 13 23	13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,016.76	366.47
23 13 23	13-0097	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,511.11	427.54
23 13 23	13-0098	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,363.74	488.63
23 13 23	13-0099	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,266.61	519.16
23 13 23	13-0100	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,174.63	549.70
23 13 23	13-0101	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,630.09	580.24
23 13 23	13-0102	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,967.26	610.78
23 13 23	13-0103	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,734.23	732.93
23 13 23	13-0104	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,466.25	794.01
23 13 23	13-0105	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,339.50	916.17
23 13 23	13-0106	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,238.48	1,038.33
23 13 23	13-0107	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,245.15	122.16
23 13 23	13-0108	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,330.75	128.27
23 13 23	13-0109	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,400.87	137.42
23 13 23	13-0110	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,678.42	146.59
23 13 23	13-0111	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,827.45	152.70
23 13 23	13-0112	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,094.34	183.23
23 13 23	13-0113	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,769.22	213.77
23 13 23	13-0114	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,821.23	244.31
23 13 23	13-0115	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,442.96	274.85



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23	13-0116	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,788.11	305.39
23 13 23	13-0117	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,753.88	366.47
23 13 23	13-0118	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,419.65	427.54
23 13 23	13-0119	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,100.86	488.63
23 13 23	13-0120	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,003.73	519.16
23 13 23	13-0121	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,911.75	549.70
23 13 23	13-0122	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,367.21	580.24
23 13 23	13-0123	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,706.10	610.78
23 13 23	13-0124	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,471.35	732.93
23 13 23	13-0125	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,203.37	794.01
23 13 23	13-0126	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,076.62	916.17
23 13 23	13-0127	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,975.60	1,038.33
23 13 23	13-0128	EA	150% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,140.39	122.16
23 13 23	13-0129	EA	150% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,236.55	128.27
23 13 23	13-0130	EA	150% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,342.33	137.42
23 13 23	13-0131	EA	150% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,536.36	146.59
23 13 23	13-0132	EA	150% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,051.14	152.70
23 13 23	13-0133	EA	150% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,102.04	183.23
23 13 23	13-0134	EA	150% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,646.23	213.77
23 13 23	13-0135	EA	150% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,278.66	244.31
23 13 23	13-0136	EA	150% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,316.13	274.85
23 13 23	13-0137	EA	150% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,430.53	305.39
23 13 23	13-0138	EA	150% Containment Double Wall Open Top Basin For 300 Gallon Tank	6,518.91	366.47
23 13 23	13-0139	EA	150% Containment Double Wall Open Top Basin For 350 Gallon Tank	6,998.58	427.54
23 13 23	13-0140	EA	150% Containment Double Wall Open Top Basin For 400 Gallon Tank	7,480.53	488.63
23 13 23	13-0141	EA	150% Containment Double Wall Open Top Basin For 450 Gallon Tank	8,217.05	519.16
23 13 23	13-0142	EA	150% Containment Double Wall Open Top Basin For 500 Gallon Tank	8,955.84	549.70
23 13 23	13-0143	EA	150% Containment Double Wall Open Top Basin For 550 Gallon Tank	9,597.34	580.24
23 13 23	13-0144	EA	150% Containment Double Wall Open Top Basin For 600 Gallon Tank	10,245.60	610.78
23 13 23	13-0145	EA	150% Containment Double Wall Open Top Basin For 700 Gallon Tank	11,585.11	732.93
23 13 23	13-0146	EA	150% Containment Double Wall Open Top Basin For 800 Gallon Tank	12,863.55	794.01
23 13 23	13-0147	EA	150% Containment Double Wall Open Top Basin For 900 Gallon Tank	14,279.99	916.17
23 13 23	13-0148	EA	150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	15,646.66	1,038.33
23 13 23	13-0149	EA	200% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,202.61	128.27
23 13 23	13-0150	EA	200% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,308.64	137.42
23 13 23	13-0151	EA	200% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,419.45	146.59
23 13 23	13-0152	EA	200% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,618.32	152.70
23 13 23	13-0153	EA	200% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,201.85	183.23
23 13 23	13-0154	EA	200% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,252.75	213.77
23 13 23	13-0155	EA	200% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,824.35	244.31
23 13 23	13-0156	EA	200% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,489.08	274.85
23 13 23	13-0157	EA	200% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,581.36	305.39
23 13 23	13-0158	EA	200% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,754.85	335.93
23 13 23	13-0159	EA	200% Containment Double Wall Open Top Basin For 300 Gallon Tank	6,898.03	397.00
23 13 23	13-0160	EA	200% Containment Double Wall Open Top Basin For 350 Gallon Tank	7,398.71	458.08
23 13 23	13-0161	EA	200% Containment Double Wall Open Top Basin For 400 Gallon Tank	7,901.77	519.16
23 13 23	13-0162	EA	200% Containment Double Wall Open Top Basin For 450 Gallon Tank	8,676.39	549.70
23 13 23	13-0163	EA	200% Containment Double Wall Open Top Basin For 500 Gallon Tank	9,453.39	580.24
23 13 23	13-0164	EA	200% Containment Double Wall Open Top Basin For 550 Gallon Tank	10,127.70	610.78
23 13 23	13-0165	EA	200% Containment Double Wall Open Top Basin For 600 Gallon Tank	10,860.04	671.86
23 13 23	13-0166	EA	200% Containment Double Wall Open Top Basin For 700 Gallon Tank	12,262.65	794.01
23 13 23	13-0167	EA	200% Containment Double Wall Open Top Basin For 800 Gallon Tank	13,708.26	916.17
23 13 23	13-0168	EA	200% Containment Double Wall Open Top Basin For 900 Gallon Tank	15,192.09	1,038.33
23 13 23	13-0169	EA	200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	16,623.37	1,160.48
23 13 23	13-0170	EA	150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,319.15	122.16
23 13 23	13-0171	EA	150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,437.94	128.27
23 13 23	13-0172	EA	150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,557.29	137.42
23 13 23	13-0173	EA	150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,796.58	146.59
23 13 23	13-0174	EA	150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,408.66	152.70
23 13 23	13-0175	EA	150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,459.56	183.23
23 13 23	13-0176	EA	150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,085.21	213.77
23 13 23	13-0177	EA	150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	3,823.99	244.31
23 13 23	13-0178	EA	150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,046.39	274.85

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 13 23 13-0179	EA	150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,417.11	305.39
23 13 23 13-0180	EA	150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	7,706.87	366.47
23 13 23 13-0181	EA	150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	8,256.69	427.54
23 13 23 13-0182	EA	150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	8,811.05	488.63
23 13 23 13-0183	EA	150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	9,690.13	519.16
23 13 23 13-0184	EA	150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	10,571.47	549.70
23 13 23 13-0185	EA	150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	11,319.31	580.24
23 13 23 13-0186	EA	150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	12,085.24	610.78
23 13 23 13-0187	EA	150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	13,662.34	732.93
23 13 23 13-0188	EA	150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	15,180.64	794.01
23 13 23 13-0189	EA	150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	16,834.67	916.17
23 13 23 13-0190	EA	150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	18,438.93	1,038.33
23 13 23 13-0191	EA	200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,391.30	128.27
23 13 23 13-0192	EA	200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,521.22	137.42
23 13 23 13-0193	EA	200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,646.36	146.59
23 13 23 13-0194	EA	200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,893.00	152.70
23 13 23 13-0195	EA	200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,579.24	183.23
23 13 23 13-0196	EA	200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,630.14	213.77
23 13 23 13-0197	EA	200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,287.71	244.31
23 13 23 13-0198	EA	200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	4,064.71	274.85
23 13 23 13-0199	EA	200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	5,352.19	305.39
23 13 23 13-0200	EA	200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,796.24	335.93
23 13 23 13-0201	EA	200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	8,151.99	397.00
23 13 23 13-0202	EA	200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	8,726.71	458.08
23 13 23 13-0203	EA	200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	9,306.21	519.16
23 13 23 13-0204	EA	200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	10,231.30	549.70
23 13 23 13-0205	EA	200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	11,158.77	580.24
23 13 23 13-0206	EA	200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	11,945.33	610.78
23 13 23 13-0207	EA	200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	12,801.88	671.86
23 13 23 13-0208	EA	200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	14,455.29	794.01
23 13 23 13-0209	EA	200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	16,154.08	916.17
23 13 23 13-0210	EA	200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	17,888.70	1,038.33
23 13 23 13-0211	EA	200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	19,570.77	1,160.48

**23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)****23 13 23 16-0001 Single Wall Aboveground Storage Tanks (23 13 23 16)**

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0002	EA	300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	2,763.35	663.92
23 13 23 16-0003	EA	550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	3,325.34	803.68
23 13 23 16-0004	EA	1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,473.82	1,087.48
23 13 23 16-0005	EA	1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	5,756.62	1,359.35
23 13 23 16-0006	EA	2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	7,078.35	1,828.95
23 13 23 16-0007	EA	3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	10,143.02	1,882.73
23 13 23 16-0008	EA	5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	14,498.17	2,327.74
23 13 23 16-0009	EA	8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	19,588.75	2,667.15
23 13 23 16-0010	EA	10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	23,184.01	2,909.60
23 13 23 16-0011	EA	12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	26,805.18	3,200.58
23 13 23 16-0012	EA	15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	29,681.47	3,556.16
23 13 23 16-0013	EA	20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	37,153.79	4,572.21
23 13 23 16-0014	EA	30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	50,200.96	5,334.29

**23 13 23 16-0015 Double Wall Aboveground Storage Tanks (23 13 23 16)**

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0016	EA	300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,249.71	828.42
23 13 23 16-0017	EA	550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	5,110.79	1,002.49
23 13 23 16-0018	EA	1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	6,876.16	1,359.35
23 13 23 16-0019	EA	1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	8,870.41	1,699.19
23 13 23 16-0020	EA	2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	10,769.76	2,286.15
23 13 23 16-0021	EA	3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	15,869.97	2,353.34
23 13 23 16-0022	EA	5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	22,884.68	2,899.08
23 13 23 16-0023	EA	8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	31,222.87	3,333.96
23 13 23 16-0024	EA	10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	37,099.80	3,637.05
23 13 23 16-0025	EA	12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	42,991.39	4,000.67
23 13 23 16-0026	EA	15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	47,597.29	4,445.27
23 13 23 16-0027	EA	20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	59,508.37	5,715.29
23 13 23 16-0028	EA	30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	80,905.51	6,667.82

**23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)****23 13 23 19-0001 Secondary Containment For Above Ground Tanks (23 13 23 19)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 13 23 19-0002	EA		Steel Dike For 550 Gallon Tank, Uncoated.....	3,852.38	
23 13 23 19-0003	EA		Steel Dike For 1,000 Gallon Tank, Uncoated.....	4,656.19	
23 13 23 19-0004	EA		Steel Dike For 2,000 Gallon Tank, Uncoated.....	10,132.34	
23 13 23 19-0005	EA		Steel Dike For 3,000 Gallon Tank, Uncoated.....	11,102.83	
23 13 23 19-0006	EA		Steel Dike For 5,000 Gallon Tank, Uncoated.....	15,759.79	
23 13 23 19-0007	EA		Steel Dike For 6,000 Gallon Tank, Uncoated.....	17,655.84	
23 13 23 19-0008	EA		Steel Dike For 8,000 Gallon Tank, Uncoated.....	23,298.65	
23 13 23 19-0009	EA		Steel Dike For 10,000 Gallon Tank, Uncoated.....	27,348.50	
23 13 23 19-0010	EA		Steel Dike For 12,000 Gallon Tank, Uncoated.....	31,064.90	
23 13 23 19-0011	EA		Steel Dike For 15,000 Gallon Tank, Uncoated.....	37,829.91	
23 13 23 19-0012	EA		Steel Dike For 20,000 Gallon Tank, Uncoated.....	48,417.85	

**23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)**

**23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)**

Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.

23 13 23 26-0002	EA		500 Gallon Concrete Vaulted Storage Tank.....	21,552.88	1,384.33
			<i>For Low Profile Tanks, Add</i>	7,848.50	
23 13 23 26-0003	EA		1,000 Gallon Concrete Vaulted Storage Tank.....	27,106.46	1,562.78
			<i>For Low Profile Tanks, Add</i>	9,970.33	
23 13 23 26-0004	EA		2,000 Gallon Concrete Vaulted Storage Tank.....	47,899.70	1,860.80
			<i>For Low Profile Tanks, Add</i>	18,121.29	
23 13 23 26-0005	EA		4,000 Gallon Concrete Vaulted Storage Tank.....	76,137.58	4,092.87
23 13 23 26-0006	EA		5,000 Gallon Concrete Vaulted Storage Tank.....	86,930.13	4,470.09
23 13 23 26-0007	EA		6,000 Gallon Concrete Vaulted Storage Tank.....	97,802.60	4,827.36
23 13 23 26-0008	EA		8,000 Gallon Concrete Vaulted Storage Tank.....	108,653.94	5,238.33
23 13 23 26-0009	EA		10,000 Gallon Concrete Vaulted Storage Tank.....	119,498.71	5,575.95

**23 13 33 Facility Fuel-Oil, Storage Tank Accessories (23 13)**

**23 13 33 00-0001 EPA Requirements (23 13 33)**

23 13 33 00-0002	EA		Fill Pipe Spill Containment Manhole (5 Gallon).....	611.16	
23 13 33 00-0003	EA		Over-Fill Prevention Valve.....	1,350.02	
23 13 33 00-0004	EA		Tank Manway With Cover, Fiberglass.....	2,342.21	
23 13 33 00-0005	EA		Tank Manway With Cover, Steel.....	2,039.03	
23 13 33 00-0006	EA		Vent Fill Alarm (Whistle Vent).....	106.95	
23 13 33 00-0007	EA		Reservoir Sensor, Liquid Level.....	269.82	
23 13 33 00-0008	EA		Manhole Spill Containment.....	1,020.68	237.65
23 13 33 00-0009	EA		Fill Adapter, 4".....	254.92	158.46
23 13 33 00-0010	EA		Fill Cap, 4".....	169.11	59.41
23 13 33 00-0011	EA		2" Vent Cap.....	104.75	39.64
23 13 33 00-0012	EA		4" x 2" Extractor Fitting.....	294.62	59.41
23 13 33 00-0013	EA		Float Vent Valve.....	370.96	118.82
23 13 33 00-0014	EA		Vapor Hose Adapter.....	300.06	79.18
23 13 33 00-0015	EA		Dust Cap.....	136.71	43.25
23 13 33 00-0016	EA		1" Double Poppet Foot Valve.....	433.71	67.87
23 13 33 00-0017	EA		10' Wood Gage Stick.....	36.80	
23 13 33 00-0018	EA		1-1/4" Tank Filled Breather, NPT.....	100.38	
23 13 33 00-0019	EA		1-1/2" Tank Filled Breather, Bayonet.....	131.39	
23 13 33 00-0020	EA		2" Cast Iron Combination Fill Cap And Vent.....	69.71	
23 13 33 00-0021	EA		3" Cast Iron Combination Fill Cap And Vent.....	93.22	
23 13 33 00-0022	EA		4" Cast Iron Combination Fill Cap And Vent.....	144.85	
23 13 33 00-0023	EA		Pressure And Vacuum Control Vent.....	547.20	
23 13 33 00-0024	EA		1/4 HP Fuel/Diesel Pump Set.....	1,366.24	
23 13 33 00-0025	EA		1/3 HP Fuel/Diesel Pump Set.....	1,614.13	
23 13 33 00-0026	EA		1/2 HP Fuel/Diesel Pump Set.....	1,760.41	
23 13 33 00-0027	EA		3/4 HP Fuel/Diesel Pump Set.....	1,930.59	
23 13 33 00-0028	EA		1 HP Fuel/Diesel Pump Set.....	2,747.75	
23 13 33 00-0029	EA		1-1/2 HP Fuel/Diesel Pump Set.....	3,387.67	
23 13 33 00-0030	EA		2 HP Fuel/Diesel Pump Set.....	3,751.35	
23 13 33 00-0031	EA		3 HP Fuel/Diesel Pump Set.....	4,603.40	
23 13 33 00-0032	EA		5 HP Fuel/Diesel Pump Set.....	5,444.94	
23 13 33 00-0033	EA		7.5 HP Fuel/Diesel Pump Set.....	6,095.12	
23 13 33 00-0034	EA		10 HP Fuel/Diesel Pump Set.....	7,036.57	

**23 13 33 00-0035 Tank Bulkhead Fittings (23 13 33)**

**23 13 33 00-0036 Tank Bulkhead Fittings (23 13 33 00-0035)**

**23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)**

23 13 33 00-0038	EA		1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	38.62	
23 13 33 00-0039	EA		3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	43.13	
23 13 33 00-0040	EA		1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	47.40	
23 13 33 00-0041	EA		1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	56.86	
23 13 33 00-0042	EA		1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	58.89	
23 13 33 00-0043	EA		2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	76.42	
23 13 33 00-0044	EA		3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	118.95	
23 13 33 00-0045	EA		4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	205.05	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 13 33 00-0046		<b>Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection</b> <small>(23 13 33 00-0036)</small>	
23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread .....	44.47
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread .....	48.96
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread .....	53.47
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread .....	66.28
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread .....	70.78
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread .....	87.19
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread .....	133.32
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread .....	225.46
23 13 33 00-0055		<b>Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection</b> <small>(23 13 33 00-0036)</small>	
23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread .....	45.80
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread .....	52.79
23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread .....	59.53
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread .....	76.61
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread .....	99.30
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread .....	152.85
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread .....	237.59
23 13 33 00-0063		<b>Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection</b> <small>(23 13 33 00-0036)</small>	
23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread .....	53.23
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread .....	62.66
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread .....	76.80
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread .....	93.21
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread .....	95.24
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread .....	134.98
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread .....	239.00
23 13 33 00-0071	EA	4" Polypropylene Bulkhead Fitting, Thread x Thread .....	423.83
23 13 33 00-0072		<b>Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection</b> <small>(23 13 33 00-0036)</small>	
23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread .....	47.39
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread .....	60.58
23 13 33 00-0075	EA	1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread .....	62.62
23 13 33 00-0076	EA	1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread .....	64.65
23 13 33 00-0077	EA	2" Polyethylene Bulkhead Fitting, Thread x Thread .....	88.97
23 13 33 00-0078	EA	3" Polyethylene Bulkhead Fitting, Thread x Thread .....	111.84
23 13 33 00-0079		<b>TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection</b> <small>(23 13 33 00-0036)</small>	
23 13 33 00-0080	EA	1/8" TFE Teflon Bulkhead Fitting, Thread x Thread .....	193.46
23 13 33 00-0081	EA	1/4" TFE Teflon Bulkhead Fitting, Thread x Thread .....	221.14
23 13 33 00-0082	EA	3/8" TFE Teflon Bulkhead Fitting, Thread x Thread .....	271.49
23 13 33 00-0083	EA	1/2" TFE Teflon Bulkhead Fitting, Thread x Thread .....	312.83
23 13 33 00-0084	EA	3/4" TFE Teflon Bulkhead Fitting, Thread x Thread .....	360.32
23 13 33 00-0085	EA	1" TFE Teflon Bulkhead Fitting, Thread x Thread .....	453.40
23 13 33 00-0086	EA	1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread .....	588.58
23 13 33 00-0087	EA	2" TFE Teflon Bulkhead Fitting, Thread x Thread .....	650.18
23 13 33 00-0088		<b>Self-Aligning Bulkhead Fittings</b> <small>(23 13 33 00-0035)</small>	
23 13 33 00-0089	EA	3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting .....	198.91
23 13 33 00-0090	EA	1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting .....	199.44
23 13 33 00-0091	EA	1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting .....	290.16
23 13 33 00-0092	EA	2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting .....	296.41
23 13 33 00-0093	EA	3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting .....	398.76

**23 20 HVAC Piping and Pumps** (23)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

**23 21 Hydronic Piping and Pumps** (23 20)**23 21 13 Hydronic Piping** (23 21)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

**23 21 13 23 Aboveground Hydronic Piping** (23 21 13)**23 21 13 23-0001 Threaded Black Steel Pipe** (23 21 13 23)**23 21 13 23-0002 Threaded Black Steel Pipe Assemblies** (23 21 13 23-0001)

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....16.56 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Work In Restricted Working Space, Add 3.87 For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add 3.90		3.75
23 21	13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....17.83 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Work In Restricted Working Space, Add 4.05 For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add 4.26		4.03
23 21	13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....19.35 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Work In Restricted Working Space, Add 4.27 For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add 4.69		4.41
23 21	13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....22.81 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Work In Restricted Working Space, Add 4.61 For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add 5.76		4.59
23 21	13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....23.87 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Work In Restricted Working Space, Add 4.67 For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add 6.10		5.44
23 21	13 23-0008	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....28.08 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Work In Restricted Working Space, Add 5.26 For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add 7.30		6.55
23 21	13 23-0009	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....40.08 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Work In Restricted Working Space, Add 6.53 For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add 10.95		7.77
23 21	13 23-0010	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....50.63 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Work In Restricted Working Space, Add 8.00 For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add 13.96		10.41
23 21	13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....69.40 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Work In Restricted Working Space, Add 8.51 For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add 20.44		11.78
23 21	13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....112.42 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Work In Restricted Working Space, Add 10.14 For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add 35.06		15.06
23 21	13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....132.64 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Work In Restricted Working Space, Add 11.49 For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add 41.62		17.81
23 21	13 23-0014		<b>Threaded Black Steel Pipe And Fittings</b> (23 21 13 23-0001) Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
23 21	13 23-0015		<b>Threaded And Coupled, Black Steel Piping</b> (23 21 13 23-0014) Note: ASTM A-53. Includes coupling.		
23 21	13 23-0016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe .....5.76 For Work In Restricted Working Space, Add 1.42 For Schedule 80 Pipe, Add 0.94		2.34
23 21	13 23-0017	LF	1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe .....7.40 For Work In Restricted Working Space, Add 1.70 For Schedule 80 Pipe, Add 1.34		3.75
23 21	13 23-0018	LF	3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe .....8.27 For Work In Restricted Working Space, Add 1.82 For Schedule 80 Pipe, Add 1.60		4.03
23 21	13 23-0019	LF	1" Schedule 40, Threaded And Coupled, Black Steel Pipe .....9.52 For Work In Restricted Working Space, Add 1.97 For Schedule 80 Pipe, Add 1.99		4.41
23 21	13 23-0020	LF	1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe .....10.91 For Work In Restricted Working Space, Add 2.08 For Schedule 80 Pipe, Add 2.48		4.59
23 21	13 23-0021	LF	1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe .....12.90 For Work In Restricted Working Space, Add 2.45 For Schedule 80 Pipe, Add 2.95		5.44
23 21	13 23-0022	LF	2" Schedule 40, Threaded And Coupled, Black Steel Pipe .....16.08 For Work In Restricted Working Space, Add 2.96 For Schedule 80 Pipe, Add 3.79		6.55
23 21	13 23-0023	LF	2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe .....21.54 For Work In Restricted Working Space, Add 3.52 For Schedule 80 Pipe, Add 5.59		7.77
23 21	13 23-0024	LF	3" Schedule 40, Threaded And Coupled, Black Steel Pipe .....28.48 For Work In Restricted Working Space, Add 4.69 For Schedule 80 Pipe, Add 7.35		10.41

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0025	LF	4" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	36.94 5.32 10.42	11.78
23 21	13 23-0026	LF	5" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	48.09 6.77 13.75	15.06
23 21	13 23-0027	LF	6" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	60.36 8.00 17.83	17.81
23 21	13 23-0028	LF	8" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	82.18 9.67 25.70	21.52
23 21	13 23-0029	LF	10" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	110.09 11.81 35.76	26.22
23 21	13 23-0030	LF	12" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	146.76 15.50 47.95	34.46
<b>23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows (23 21 13 23-0014)</b>					
23 21	13 23-0032	EA	3/8", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	25.96 6.25 13.59 0.08	13.87
23 21	13 23-0033	EA	1/2", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	28.56 7.50 10.07 0.06	16.68
23 21	13 23-0034	EA	3/4", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	32.27 8.39 12.00 0.07	18.65
23 21	13 23-0035	EA	1", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	38.71 9.37 19.80 0.12	20.80
23 21	13 23-0036	EA	1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	47.68 10.61 31.69 0.20	23.62
23 21	13 23-0037	EA	1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	56.08 11.96 41.30 0.26	26.61
23 21	13 23-0038	EA	2", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	78.60 15.20 70.12 0.45	33.83
23 21	13 23-0039	EA	2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	137.23 22.49 153.95 1.00	50.04
23 21	13 23-0040	EA	3", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	189.76 29.59 224.61 1.46	65.79
23 21	13 23-0041	EA	4", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	299.07 31.01 475.93 3.13	68.92
23 21	13 23-0042	EA	5", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	679.77 32.35 1,379.10 9.15	71.93
23 21	13 23-0043	EA	6", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	773.40 33.83 1,592.33 10.57	75.21
<b>23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows (23 21 13 23-0014)</b>					
23 21	13 23-0045	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	29.69 6.87 17.67 0.11	15.28
23 21	13 23-0046	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	33.47 7.94 18.36 0.11	17.62
23 21	13 23-0047	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	34.17 7.32 24.91 0.16	16.31
23 21	13 23-0048	EA	1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	38.59 8.88 23.33 0.14	19.77

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0049	EA		1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	37.80	18.75
			<i>For Work In Restricted Working Space, Add</i>	8.43	
			<i>For 300 LB Rating, Add</i>	24.94	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
23 21 13 23-0050	EA		1" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	45.11	17.33
			<i>For Work In Restricted Working Space, Add</i>	7.81	
			<i>For 300 LB Rating, Add</i>	47.33	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.31	
23 21 13 23-0051	EA		1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	48.39	22.20
			<i>For Work In Restricted Working Space, Add</i>	9.99	
			<i>For 300 LB Rating, Add</i>	38.21	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.24	
23 21 13 23-0052	EA		1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	48.50	21.09
			<i>For Work In Restricted Working Space, Add</i>	9.50	
			<i>For 300 LB Rating, Add</i>	42.32	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.27	
23 21 13 23-0053	EA		1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	49.84	20.15
			<i>For Work In Restricted Working Space, Add</i>	9.05	
			<i>For 300 LB Rating, Add</i>	49.02	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.31	
23 21 13 23-0054	EA		1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	58.90	25.11
			<i>For Work In Restricted Working Space, Add</i>	11.28	
			<i>For 300 LB Rating, Add</i>	53.35	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.34	
23 21 13 23-0055	EA		1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	56.85	23.71
			<i>For Work In Restricted Working Space, Add</i>	10.67	
			<i>For 300 LB Rating, Add</i>	53.23	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.34	
23 21 13 23-0056	EA		1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	58.28	22.59
			<i>For Work In Restricted Working Space, Add</i>	10.18	
			<i>For 300 LB Rating, Add</i>	60.50	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.39	
23 21 13 23-0057	EA		2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	76.10	30.17
			<i>For Work In Restricted Working Space, Add</i>	13.58	
			<i>For 300 LB Rating, Add</i>	76.73	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.49	
23 21 13 23-0058	EA		2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	78.06	28.68
			<i>For Work In Restricted Working Space, Add</i>	12.90	
			<i>For 300 LB Rating, Add</i>	86.70	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.56	
23 21 13 23-0059	EA		2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	75.99	27.27
			<i>For Work In Restricted Working Space, Add</i>	12.28	
			<i>For 300 LB Rating, Add</i>	86.58	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.56	
23 21 13 23-0060	EA		2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	76.47	26.24
			<i>For Work In Restricted Working Space, Add</i>	11.79	
			<i>For 300 LB Rating, Add</i>	91.54	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.59	
23 21 13 23-0061	EA		2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	147.45	41.89
			<i>For Work In Restricted Working Space, Add</i>	18.84	
			<i>For 300 LB Rating, Add</i>	206.90	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.35	
23 21 13 23-0062	EA		2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	147.05	38.33
			<i>For Work In Restricted Working Space, Add</i>	17.23	
			<i>For 300 LB Rating, Add</i>	218.53	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.43	
23 21 13 23-0063	EA		3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	245.20	57.91
			<i>For Work In Restricted Working Space, Add</i>	26.04	
			<i>For 300 LB Rating, Add</i>	385.37	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	2.53	
23 21 13 23-0064	EA		3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	211.48	49.76
			<i>For Work In Restricted Working Space, Add</i>	22.40	
			<i>For 300 LB Rating, Add</i>	332.87	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	2.19	
23 21 13 23-0065	EA		4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	369.02	65.55
			<i>For Work In Restricted Working Space, Add</i>	29.49	
			<i>For 300 LB Rating, Add</i>	655.63	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	4.33	
23 21 13 23-0066	<b>Black Malleable Iron 45 Degree Elbows</b> <small>(23 21 13 23-0014)</small>			28.57	13.87
23 21 13 23-0067	EA		3/8", 150 LB, Black Malleable Iron 45 Degree Elbow.....	28.57	13.87
			<i>For Work In Restricted Working Space, Add</i>	6.25	
			<i>For 300 LB Rating, Add</i>	19.85	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
23 21 13 23-0068	EA		1/2", 150 LB, Black Malleable Iron 45 Degree Elbow.....	30.88	16.68
			<i>For Work In Restricted Working Space, Add</i>	7.50	
			<i>For 300 LB Rating, Add</i>	15.64	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
23 21 13 23-0069	EA		3/4", 150 LB, Black Malleable Iron 45 Degree Elbow.....	35.25	18.65
			<i>For Work In Restricted Working Space, Add</i>	8.39	
			<i>For 300 LB Rating, Add</i>	19.15	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
23 21 13 23-0070	EA		1", 150 LB, Black Malleable Iron 45 Degree Elbow.....	40.41	20.80
			<i>For Work In Restricted Working Space, Add</i>	9.37	
			<i>For 300 LB Rating, Add</i>	23.88	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.15	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0071	EA	1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	51.58 10.61 41.05 0.26	23.62
23 21	13 23-0072	EA	1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	59.94 11.96 50.56 0.32	26.61
23 21	13 23-0073	EA	2", 150 LB, Black Malleable Iron 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	81.00 15.20 75.88 0.49	33.83
23 21	13 23-0074	EA	2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	162.77 22.49 215.24 1.40	50.04
23 21	13 23-0075	EA	3", 150 LB, Black Malleable Iron 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	212.69 29.59 279.64 1.82	65.79
23 21	13 23-0076	EA	4", 150 LB, Black Malleable Iron 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	327.00 31.01 542.96 3.58	68.92
23 21	13 23-0077	EA	5", 150 LB, Black Malleable Iron 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	991.28 32.35 2,126.73 14.14	71.93
23 21	13 23-0078	EA	6", 150 LB, Black Malleable Iron 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	1,016.61 33.83 2,176.03 14.46	75.21
23 21	13 23-0079	<b>Black Malleable Iron Tees</b> (23 21 13 23-0014)			
23 21	13 23-0080	EA	3/8", 150 LB, Black Malleable Iron Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	33.50 7.81 19.49 0.12	17.15
23 21	13 23-0081	EA	1/2", 150 LB, Black Malleable Iron Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	36.01 9.37 13.32 0.08	20.80
23 21	13 23-0082	EA	3/4", 150 LB, Black Malleable Iron Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	42.88 10.81 18.58 0.11	24.08
23 21	13 23-0083	EA	1", 150 LB, Black Malleable Iron Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	54.31 12.78 30.68 0.19	28.40
23 21	13 23-0084	EA	1-1/4", 150 LB, Black Malleable Iron Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	69.63 15.20 48.59 0.30	33.83
23 21	13 23-0085	EA	1-1/2", 150 LB, Black Malleable Iron Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	84.05 18.14 60.27 0.38	40.30
23 21	13 23-0086	EA	2", 150 LB, Black Malleable Iron Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	115.18 22.49 101.03 0.64	50.04
23 21	13 23-0087	EA	2-1/2", 150 LB, Black Malleable Iron Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	185.35 29.59 214.02 1.39	65.79
23 21	13 23-0088	EA	3", 150 LB, Black Malleable Iron Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	244.86 35.14 313.56 2.04	78.15
23 21	13 23-0089	EA	4", 150 LB, Black Malleable Iron Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	439.26 39.17 748.74 4.94	87.09
23 21	13 23-0090	EA	5", 150 LB, Black Malleable Iron Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	1,090.52 46.51 2,254.48 14.97	103.38
23 21	13 23-0091	EA	6", 150 LB, Black Malleable Iron Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	1,181.12 53.15 2,420.09 16.06	118.18
23 21	13 23-0092	<b>Black Malleable Iron Reducing Tees</b> (23 21 13 23-0014)			
23 21	13 23-0093	EA	1/2", 150 LB, Black Malleable Iron Reducing Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	39.35 9.37 21.34 0.13	20.80



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0094	EA		3/4", 150 LB, Black Malleable Iron Reducing Tee <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	46.62 10.81 27.55 0.17	24.08
23 21 13 23-0095	EA		1", 150 LB, Black Malleable Iron Reducing Tee <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	55.94 12.78 34.60 0.21	28.40
23 21 13 23-0096	EA		1-1/4", 150 LB, Black Malleable Iron Reducing Tee <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	76.89 15.20 66.02 0.42	33.83
23 21 13 23-0097	EA		1-1/2", 150 LB, Black Malleable Iron Reducing Tee <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	89.53 18.14 73.42 0.47	40.30
23 21 13 23-0098	EA		2", 150 LB, Black Malleable Iron Reducing Tee <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	117.17 22.49 105.80 0.68	50.04
23 21 13 23-0099	EA		2-1/2", 150 LB, Black Malleable Iron Reducing Tee <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	230.17 29.59 321.59 2.10	65.79
23 21 13 23-0100	EA		3", 150 LB, Black Malleable Iron Reducing Tee <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	267.79 35.14 368.59 2.41	78.15
23 21 13 23-0101	EA		4", 150 LB, Black Malleable Iron Reducing Tee <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	495.91 39.17 884.70 5.85	87.09
23 21 13 23-0102	EA		5", 150 LB, Black Malleable Iron Reducing Tee <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	1,002.48 46.51 2,043.18 13.56	103.38
23 21 13 23-0103	EA		6", 150 LB, Black Malleable Iron Reducing Tee <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	1,138.39 53.15 2,317.53 15.38	118.18
<b>23 21 13 23-0104 Black Malleable Iron Couplings (23 21 13 23-0014)</b>					
23 21 13 23-0105	EA		3/8", 150 LB, Black Malleable Iron Coupling <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	27.22 6.25 16.61 0.10	13.87
23 21 13 23-0106	EA		1/2", 150 LB, Black Malleable Iron Coupling <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	29.92 7.50 13.33 0.08	16.68
23 21 13 23-0107	EA		3/4", 150 LB, Black Malleable Iron Coupling <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	33.74 8.39 15.53 0.09	18.65
23 21 13 23-0108	EA		1", 150 LB, Black Malleable Iron Coupling <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	39.89 9.37 22.63 0.14	20.80
23 21 13 23-0109	EA		1-1/4", 150 LB, Black Malleable Iron Coupling <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	46.56 10.61 29.00 0.18	23.62
23 21 13 23-0110	EA		1-1/2", 150 LB, Black Malleable Iron Coupling <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	55.00 11.96 38.70 0.24	26.61
23 21 13 23-0111	EA		2", 150 LB, Black Malleable Iron Coupling <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	73.07 15.20 56.85 0.36	33.83
23 21 13 23-0112	EA		2-1/2", 150 LB, Black Malleable Iron Coupling <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	136.83 22.49 152.99 0.99	50.04
23 21 13 23-0113	EA		3", 150 LB, Black Malleable Iron Coupling <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	182.29 29.59 206.68 1.34	65.79
23 21 13 23-0114	EA		4", 150 LB, Black Malleable Iron Coupling <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	271.81 31.01 410.51 2.70	68.92
23 21 13 23-0115	EA		5", 150 LB, Black Malleable Iron Coupling <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i>	582.20 32.35 1,144.93 7.59	71.93

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0116	EA	6", 150 LB, Black Malleable Iron Coupling .....	653.17	75.21
			<i>For Work In Restricted Working Space, Add</i>	33.83	
			<i>For 300 LB Rating, Add</i>	1,303.77	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	8.65	
<b>23 21</b>	<b>13 23-0117</b>		<b>Black Malleable Iron Reducing Couplings</b> <small>(23 21 13 23-0014)</small>		
23 21	13 23-0118	EA	1/2", 150 LB, Black Malleable Iron Reducing Coupling .....	31.11	16.68
			<i>For Work In Restricted Working Space, Add</i>	7.50	
			<i>For 300 LB Rating, Add</i>	16.19	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
23 21	13 23-0119	EA	3/4", 150 LB, Black Malleable Iron Reducing Coupling .....	34.45	18.65
			<i>For Work In Restricted Working Space, Add</i>	8.39	
			<i>For 300 LB Rating, Add</i>	17.23	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
23 21	13 23-0120	EA	1", 150 LB, Black Malleable Iron Reducing Coupling .....	41.33	20.80
			<i>For Work In Restricted Working Space, Add</i>	9.37	
			<i>For 300 LB Rating, Add</i>	26.09	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
23 21	13 23-0121	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Coupling .....	48.34	23.62
			<i>For Work In Restricted Working Space, Add</i>	10.61	
			<i>For 300 LB Rating, Add</i>	33.27	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.21	
23 21	13 23-0122	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Coupling .....	56.27	26.61
			<i>For Work In Restricted Working Space, Add</i>	11.96	
			<i>For 300 LB Rating, Add</i>	41.75	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.26	
23 21	13 23-0123	EA	2", 150 LB, Black Malleable Iron Reducing Coupling .....	74.41	33.83
			<i>For Work In Restricted Working Space, Add</i>	15.20	
			<i>For 300 LB Rating, Add</i>	60.06	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.38	
23 21	13 23-0124	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Coupling .....	145.18	50.04
			<i>For Work In Restricted Working Space, Add</i>	22.49	
			<i>For 300 LB Rating, Add</i>	173.03	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.12	
23 21	13 23-0125	EA	3", 150 LB, Black Malleable Iron Reducing Coupling .....	184.00	65.79
			<i>For Work In Restricted Working Space, Add</i>	29.59	
			<i>For 300 LB Rating, Add</i>	210.78	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.37	
23 21	13 23-0126	EA	4", 150 LB, Black Malleable Iron Reducing Coupling .....	274.45	68.92
			<i>For Work In Restricted Working Space, Add</i>	31.01	
			<i>For 300 LB Rating, Add</i>	416.84	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	2.74	
23 21	13 23-0127	EA	5", 150 LB, Black Malleable Iron Reducing Coupling .....	492.41	71.93
			<i>For Work In Restricted Working Space, Add</i>	32.35	
			<i>For 300 LB Rating, Add</i>	929.44	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	6.15	
23 21	13 23-0128	EA	6", 150 LB, Black Malleable Iron Reducing Coupling .....	606.69	75.21
			<i>For Work In Restricted Working Space, Add</i>	33.83	
			<i>For 300 LB Rating, Add</i>	1,192.22	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	7.90	
<b>23 21</b>	<b>13 23-0129</b>		<b>Black Malleable Iron Caps</b> <small>(23 21 13 23-0014)</small>		
23 21	13 23-0130	EA	1/2", 150 LB, Black Malleable Iron Cap .....	14.85	7.40
			<i>For Work In Restricted Working Space, Add</i>	3.37	
			<i>For 300 LB Rating, Add</i>	9.34	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
23 21	13 23-0131	EA	3/4", 150 LB, Black Malleable Iron Cap .....	17.46	8.34
			<i>For Work In Restricted Working Space, Add</i>	3.77	
			<i>For 300 LB Rating, Add</i>	12.47	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.08	
23 21	13 23-0132	EA	1", 150 LB, Black Malleable Iron Cap .....	19.97	9.28
			<i>For Work In Restricted Working Space, Add</i>	4.22	
			<i>For 300 LB Rating, Add</i>	15.03	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
23 21	13 23-0133	EA	1-1/4", 150 LB, Black Malleable Iron Cap .....	23.69	10.50
			<i>For Work In Restricted Working Space, Add</i>	4.77	
			<i>For 300 LB Rating, Add</i>	19.63	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
23 21	13 23-0134	EA	1-1/2", 150 LB, Black Malleable Iron Cap .....	28.64	11.81
			<i>For Work In Restricted Working Space, Add</i>	5.39	
			<i>For 300 LB Rating, Add</i>	26.73	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.17	
23 21	13 23-0135	EA	2", 150 LB, Black Malleable Iron Cap .....	38.40	15.09
			<i>For Work In Restricted Working Space, Add</i>	6.84	
			<i>For 300 LB Rating, Add</i>	38.83	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.25	
23 21	13 23-0136	EA	2-1/2", 150 LB, Black Malleable Iron Cap .....	69.54	22.31
			<i>For Work In Restricted Working Space, Add</i>	10.12	
			<i>For 300 LB Rating, Add</i>	87.97	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.57	
23 21	13 23-0137	EA	3", 150 LB, Black Malleable Iron Cap .....	97.20	29.33
			<i>For Work In Restricted Working Space, Add</i>	13.32	
			<i>For 300 LB Rating, Add</i>	129.41	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.84	
23 21	13 23-0138	EA	4", 150 LB, Black Malleable Iron Cap .....	137.07	30.74
			<i>For Work In Restricted Working Space, Add</i>	13.95	
			<i>For 300 LB Rating, Add</i>	220.13	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13	23-0139	EA 5", 150 LB, Black Malleable Iron Cap For Work In Restricted Working Space, Add For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add	264.37 14.56 520.93 3.45	32.06
23 21	13	23-0140	EA 6", 150 LB, Black Malleable Iron Cap For Work In Restricted Working Space, Add For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add	446.37 15.22 952.58 6.33	33.49
<b>23 21 13 23-0141 Black Malleable Iron Unions (23 21 13 23-0014)</b>					
23 21	13	23-0142	EA 3/8", 150 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	38.11 6.25	13.87
23 21	13	23-0143	EA 1/2", 150 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	46.89 9.37	20.80
23 21	13	23-0144	EA 3/4", 150 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	54.03 10.81	24.08
23 21	13	23-0145	EA 1", 150 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	66.04 12.78	28.40
23 21	13	23-0146	EA 1-1/4", 150 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	84.28 15.20	33.83
23 21	13	23-0147	EA 1-1/2", 150 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	102.38 18.14	40.30
23 21	13	23-0148	EA 2", 150 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	123.72 22.49	50.04
23 21	13	23-0149	EA 2-1/2", 150 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	255.93 33.20	73.75
23 21	13	23-0150	EA 3", 150 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	320.49 43.68	96.99
23 21	13	23-0151	EA 3/8", 250 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	43.67 6.25	13.87
23 21	13	23-0152	EA 1/2", 250 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	57.45 9.37	20.80
23 21	13	23-0153	EA 3/4", 250 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	61.83 10.81	24.08
23 21	13	23-0154	EA 1", 250 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	74.23 12.78	28.40
23 21	13	23-0155	EA 1-1/4", 250 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	103.74 15.20	33.83
23 21	13	23-0156	EA 1-1/2", 250 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	121.58 18.14	40.30
23 21	13	23-0157	EA 2", 250 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	153.37 22.49	50.04
23 21	13	23-0158	EA 2-1/2", 250 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	356.45 33.20	73.75
23 21	13	23-0159	EA 3", 250 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	433.26 43.68	96.99
23 21	13	23-0160	EA 4", 250 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	662.43 45.77	101.69
23 21	13	23-0161	EA 3/8", 300 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	57.90 6.25	13.87
23 21	13	23-0162	EA 1/2", 300 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	61.23 9.37	20.80
23 21	13	23-0163	EA 3/4", 300 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	69.26 10.81	24.08
23 21	13	23-0164	EA 1", 300 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	85.97 12.78	28.40
23 21	13	23-0165	EA 1-1/4", 300 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	121.39 15.20	33.83
23 21	13	23-0166	EA 1-1/2", 300 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	134.54 18.14	40.30
23 21	13	23-0167	EA 2", 300 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	166.72 22.49	50.04
23 21	13	23-0168	EA 2-1/2", 300 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	406.52 33.20	73.75
23 21	13	23-0169	EA 3", 300 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	528.35 43.68	96.99
23 21	13	23-0170	EA 4", 300 LB, Black Malleable Iron Union For Work In Restricted Working Space, Add	1,367.34 45.77	101.69
<b>23 21 13 23-0171 Black Steel Nipples (23 21 13 23-0014)</b>					
23 21	13	23-0172	EA 3/8" x Close, Schedule 40 Black Steel Nipple For Schedule 80 Nipples, Add For Work In Restricted Working Space, Add	15.01 0.81 4.02	8.90
23 21	13	23-0173	EA 1/2" x Close, Schedule 40 Black Steel Nipple For Schedule 80 Nipples, Add For Work In Restricted Working Space, Add	14.76 0.69 4.02	8.90
23 21	13	23-0174	EA 3/4" x Close, Schedule 40 Black Steel Nipple For Schedule 80 Nipples, Add For Work In Restricted Working Space, Add	14.96 0.79 4.02	8.90
23 21	13	23-0175	EA 1" x Close, Schedule 40 Black Steel Nipple For Schedule 80 Nipples, Add For Work In Restricted Working Space, Add	16.70 1.14 4.33	9.65
23 21	13	23-0176	EA 1-1/4" x Close, Schedule 40 Black Steel Nipple For Schedule 80 Nipples, Add For Work In Restricted Working Space, Add	18.51 1.45 4.69	10.41

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0177	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.22 1.80 4.69	10.41
23 21	13 23-0178	EA	2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.05 2.45 6.05	13.40
23 21	13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.32 7.67 7.50	16.68
23 21	13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.45 9.11 9.07	20.15
23 21	13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.88 13.72 10.63	23.65
23 21	13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.23 0.92 4.02	8.90
23 21	13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.76 0.69 4.02	8.90
23 21	13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.08 0.85 4.02	8.90
23 21	13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.23 0.92 4.02	8.90
23 21	13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.76 0.69 4.02	8.90
23 21	13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.08 0.85 4.02	8.90
23 21	13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.92 1.25 4.33	9.65
23 21	13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.90 1.64 4.69	10.41
23 21	13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.50 1.94 4.69	10.41
23 21	13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.75 1.18 4.02	8.90
23 21	13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.01 0.81 4.02	8.90
23 21	13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.30 0.96 4.02	8.90
23 21	13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.07 1.33 4.33	9.65
23 21	13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.10 1.74 4.69	10.41
23 21	13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.96 2.17 4.69	10.41
23 21	13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.77 2.81 6.05	13.40
23 21	13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.75 1.18 4.02	8.90
23 21	13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.01 0.81 4.02	8.90
23 21	13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.30 0.96 4.02	8.90
23 21	13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.07 1.33 4.33	9.65
23 21	13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.10 1.74 4.69	10.41
23 21	13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.96 2.17 4.69	10.41
23 21	13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.77 2.81 6.05	13.40
23 21	13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.73 7.87 7.50	16.68
23 21	13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.04 9.91 9.07	20.15

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0207	EA		3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.18 1.40 4.02	8.90
23 21 13 23-0208	EA		1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.33 0.97 4.02	8.90
23 21 13 23-0209	EA		3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.75 1.18 4.02	8.90
23 21 13 23-0210	EA		1" x 3-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.70 1.64 4.33	9.65
23 21 13 23-0211	EA		1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.74 2.06 4.69	10.41
23 21 13 23-0212	EA		1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.48 2.43 4.69	10.41
23 21 13 23-0213	EA		2" x 3-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.96 3.41 6.05	13.40
23 21 13 23-0214	EA		2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.50 9.26 7.50	16.68
23 21 13 23-0215	EA		3" x 3-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.69 11.73 9.07	20.15
23 21 13 23-0216	EA		3/8" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.18 1.40 4.02	8.90
23 21 13 23-0217	EA		1/2" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.33 0.97 4.02	8.90
23 21 13 23-0218	EA		3/4" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.75 1.18 4.02	8.90
23 21 13 23-0219	EA		1" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.70 1.64 4.33	9.65
23 21 13 23-0220	EA		1-1/4" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.74 2.06 4.69	10.41
23 21 13 23-0221	EA		1-1/2" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.48 2.43 4.69	10.41
23 21 13 23-0222	EA		2" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.96 3.41 6.05	13.40
23 21 13 23-0223	EA		2-1/2" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.50 9.26 7.50	16.68
23 21 13 23-0224	EA		3" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.69 11.73 9.07	20.15
23 21 13 23-0225	EA		4" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.19 15.88 10.63	23.65
23 21 13 23-0226	EA		3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.41 2.01 4.02	8.90
23 21 13 23-0227	EA		1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.67 1.14 4.02	8.90
23 21 13 23-0228	EA		3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.36 1.49 4.02	8.90
23 21 13 23-0229	EA		1" x 4-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.30 1.94 4.33	9.65
23 21 13 23-0230	EA		1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.55 2.47 4.69	10.41
23 21 13 23-0231	EA		1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.56 2.97 4.69	10.41
23 21 13 23-0232	EA		2" x 4-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.99 3.92 6.05	13.40
23 21 13 23-0233	EA		2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.32 10.17 7.50	16.68
23 21 13 23-0234	EA		3" x 4-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.10 12.94 9.07	20.15
23 21 13 23-0235	EA		4" x 4-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.71 18.14 10.63	23.65
23 21 13 23-0236	EA		3/8" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.41 2.01 4.02	8.90

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.67 1.14 4.02	8.90
23 21	13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.36 1.49 4.02	8.90
23 21	13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.30 1.94 4.33	9.65
23 21	13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.55 2.47 4.69	10.41
23 21	13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.56 2.97 4.69	10.41
23 21	13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.99 3.92 6.05	13.40
23 21	13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.32 10.17 7.50	16.68
23 21	13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.10 12.94 9.07	20.15
23 21	13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.71 18.14 10.63	23.65
23 21	13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.86 2.24 4.02	8.90
23 21	13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.94 1.28 4.02	8.90
23 21	13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.77 1.69 4.02	8.90
23 21	13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.01 2.30 4.33	9.65
23 21	13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.46 2.92 4.69	10.41
23 21	13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.44 3.41 4.69	10.41
23 21	13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.34 4.60 6.05	13.40
23 21	13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.18 10.60 7.50	16.68
23 21	13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.35 14.06 9.07	20.15
23 21	13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.21 19.39 10.63	23.65
23 21	13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.24 3.93 4.02	8.90
23 21	13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.98 2.30 4.02	8.90
23 21	13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.01 2.81 4.02	8.90
23 21	13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.93 3.76 4.33	9.65
23 21	13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.06 4.72 4.69	10.41
23 21	13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.44 5.41 4.69	10.41
23 21	13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.55 7.70 6.05	13.40
23 21	13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.96 13.49 7.50	16.68
23 21	13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.16 18.97 9.07	20.15
23 21	13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.19 22.38 10.63	23.65
23 21	13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.20 4.41 4.02	8.90

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0267	EA		1/2" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.91 2.76 4.02	8.90
23 21 13 23-0268	EA		3/4" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.93 3.27 4.02	8.90
23 21 13 23-0269	EA		1" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.20 4.39 4.33	9.65
23 21 13 23-0270	EA		1-1/4" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.93 5.66 4.69	10.41
23 21 13 23-0271	EA		1-1/2" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.28 6.33 4.69	10.41
23 21 13 23-0272	EA		2" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.25 9.05 6.05	13.40
23 21 13 23-0273	EA		2-1/2" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.28 15.15 7.50	16.68
23 21 13 23-0274	EA		3" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.83 21.30 9.07	20.15
23 21 13 23-0275	EA		4" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.40 25.48 10.63	23.65
23 21 13 23-0276	EA		3/8" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.42 5.02 4.02	8.90
23 21 13 23-0277	EA		1/2" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.94 3.28 4.02	8.90
23 21 13 23-0278	EA		3/4" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.65 3.63 4.02	8.90
23 21 13 23-0279	EA		1" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.50 5.04 4.33	9.65
23 21 13 23-0280	EA		1-1/4" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.45 6.42 4.69	10.41
23 21 13 23-0281	EA		1-1/2" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.21 7.30 4.69	10.41
23 21 13 23-0282	EA		2" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.99 10.42 6.05	13.40
23 21 13 23-0283	EA		2-1/2" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.70 16.86 7.50	16.68
23 21 13 23-0284	EA		3" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.51 23.64 9.07	20.15
23 21 13 23-0285	EA		4" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.18 29.87 10.63	23.65
<b>23 21 13 23-0286</b>			<b>Black Malleable Iron Bushing</b> <small>(23 21 13 23-0014)</small>		
23 21 13 23-0287	EA		1/2" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	28.38 6.87	15.28
23 21 13 23-0288	EA		3/4" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	32.50 7.38	16.40
23 21 13 23-0289	EA		3/4" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	34.38 7.94	17.62
23 21 13 23-0290	EA		1" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	37.13 7.87	17.53
23 21 13 23-0291	EA		1" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	36.25 8.43	18.75
23 21 13 23-0292	EA		1" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	37.75 8.88	19.77
23 21 13 23-0293	EA		1-1/4" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	40.51 8.49	18.84
23 21 13 23-0294	EA		1-1/4" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	41.84 9.05	20.15
23 21 13 23-0295	EA		1-1/4" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	42.16 9.50	21.09
23 21 13 23-0296	EA		1-1/4" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	43.80 9.99	22.20
23 21 13 23-0297	EA		1-1/2" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	46.67 9.17	20.43
23 21 13 23-0298	EA		1-1/2" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	45.71 9.73	21.65
23 21 13 23-0299	EA		1-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	47.20 10.18	22.59
23 21 13 23-0300	EA		1-1/2" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	47.23 10.67	23.71

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0301	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	50.93 11.28	25.11
23 21	13 23-0302	EA	2" x 3/8", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	58.71 10.79	23.99
23 21	13 23-0303	EA	2" x 1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	57.89 11.35	25.21
23 21	13 23-0304	EA	2" x 3/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	56.28 11.79	26.24
23 21	13 23-0305	EA	2" x 1", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	56.84 12.28	27.27
23 21	13 23-0306	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	58.91 12.90	28.68
23 21	13 23-0307	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	62.95 13.58	30.17
23 21	13 23-0308	EA	2-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	80.37 15.44	34.30
23 21	13 23-0309	EA	2-1/2" x 1", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	81.99 15.93	35.43
23 21	13 23-0310	EA	2-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	84.06 16.55	36.74
23 21	13 23-0311	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	84.34 17.23	38.33
23 21	13 23-0312	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	89.51 18.84	41.89
23 21	13 23-0313	EA	3" x 3/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	103.26 18.99	42.17
23 21	13 23-0314	EA	3" x 1", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	104.89 19.48	43.29
23 21	13 23-0315	EA	3" x 1-1/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	106.95 20.10	44.70
23 21	13 23-0316	EA	3" x 1-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	108.44 20.78	46.19
23 21	13 23-0317	EA	3" x 2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	111.26 22.40	49.76
23 21	13 23-0318	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	123.96 26.04	57.91
23 21	13 23-0319	EA	4" x 3/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	141.54 19.47	43.23
23 21	13 23-0320	EA	4" x 1", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	143.08 19.93	44.29
23 21	13 23-0321	EA	4" x 1-1/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	145.03 20.52	45.62
23 21	13 23-0322	EA	4" x 1-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	147.17 21.16	47.04
23 21	13 23-0323	EA	4" x 2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	148.14 22.69	50.41
23 21	13 23-0324	EA	4" x 2-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	159.63 26.13	58.11
23 21	13 23-0325	EA	4" x 3", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	170.82 29.49	65.55
23 21	13 23-0326		<b>Black Malleable Iron Square Head Plugs</b> (23 21 13 23-0014)		
23 21	13 23-0327	EA	3/8", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	12.51 2.50	5.53
23 21	13 23-0328	EA	1/2", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	14.46 3.00	6.66
23 21	13 23-0329	EA	3/4", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	15.65 3.36	7.49
23 21	13 23-0330	EA	1", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	18.10 3.75	8.34
23 21	13 23-0331	EA	1-1/4", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	21.21 4.24	9.47
23 21	13 23-0332	EA	1-1/2", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	25.81 4.79	10.59
23 21	13 23-0333	EA	2", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	34.28 6.08	13.49
23 21	13 23-0334	EA	2-1/2", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	55.50 9.00	19.96
23 21	13 23-0335	EA	3", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	74.48 11.84	26.33
23 21	13 23-0336	EA	4", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	114.81 12.40	27.55
23 21	13 23-0337	EA	5", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	200.94 12.94	28.79
23 21	13 23-0338	EA	6", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	240.56 13.53	30.03
23 21	13 23-0339		<b>125 LB Black Cast Iron Screwed Flanges</b> (23 21 13 23-0014) Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21	13 23-0340	EA	3/4", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	136.22 16.87	37.48
23 21	13 23-0341	EA	1", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	114.40 19.06	42.35
23 21	13 23-0342	EA	1-1/4", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	126.62 19.73	43.86



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0343	EA	1-1/2", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	127.78 21.46	47.70
23 21	13 23-0344	EA	2", 125 LB, Black Cast Iron Flange ..... <i>For Work In Restricted Working Space, Add</i>	130.79 22.40	49.76
23 21	13 23-0345	EA	2-1/2", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	152.01 25.91	57.63
23 21	13 23-0346	EA	3", 125 LB, Black Cast Iron Flange ..... <i>For Work In Restricted Working Space, Add</i>	194.19 32.88	73.09
23 21	13 23-0347	EA	4", 125 LB, Black Cast Iron Flange ..... <i>For Work In Restricted Working Space, Add</i>	255.74 42.52	94.53
23 21	13 23-0348	EA	5", 125 LB, Black Cast Iron Flange ..... <i>For Work In Restricted Working Space, Add</i>	329.77 50.62	112.60
23 21	13 23-0349	EA	6", 125 LB, Black Cast Iron Flange ..... <i>For Work In Restricted Working Space, Add</i>	375.99 58.14	129.25
<b>23 21 13 23-0350 150 LB, Black Malleable Iron Flanges (23 21 13 23-0014)</b>					
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.					
23 21	13 23-0351	EA	1/2", 150 LB, Black Malleable Iron Flange ..... <i>For Work In Restricted Working Space, Add</i>	69.04 15.41	34.20
23 21	13 23-0352	EA	3/4", 150 LB, Black Malleable Iron Flange ..... <i>For Work In Restricted Working Space, Add</i>	75.30 16.87	37.48
23 21	13 23-0353	EA	1", 150 LB, Black Malleable Iron Flange ..... <i>For Work In Restricted Working Space, Add</i>	88.29 19.06	42.35
23 21	13 23-0354	EA	1-1/4", 150 LB, Black Malleable Iron Flange ..... <i>For Work In Restricted Working Space, Add</i>	92.23 19.73	43.86
23 21	13 23-0355	EA	1-1/2", 150 LB, Black Malleable Iron Flange ..... <i>For Work In Restricted Working Space, Add</i>	100.43 21.46	47.70
23 21	13 23-0356	EA	2", 150 LB, Black Malleable Iron Flange ..... <i>For Work In Restricted Working Space, Add</i>	112.34 22.40	49.76
23 21	13 23-0357	EA	2-1/2", 150 LB, Black Malleable Iron Flange ..... <i>For Work In Restricted Working Space, Add</i>	145.44 25.91	57.63
23 21	13 23-0358	EA	3", 150 LB, Black Malleable Iron Flange ..... <i>For Work In Restricted Working Space, Add</i>	184.25 32.87	73.09
23 21	13 23-0359	EA	4", 150 LB, Black Malleable Iron Flange ..... <i>For Work In Restricted Working Space, Add</i>	268.56 42.51	94.53
<b>23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe (23 21 13 23-0014)</b>					
Note: For use when connecting pipe to an existing in-place system.					
23 21	13 23-0361	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	30.53 9.16	
23 21	13 23-0362	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	33.58 10.07	
23 21	13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	36.63 10.99	
23 21	13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	39.68 11.90	
23 21	13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	41.71 12.51	
23 21	13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	43.75 13.13	
23 21	13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	45.79 13.74	
23 21	13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	47.82 14.35	
23 21	13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	49.86 14.96	
23 21	13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	53.92 16.18	
23 21	13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	57.99 17.40	
23 21	13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	63.08 18.92	
23 21	13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	67.15 20.15	
<b>23 21 13 23-0374 Welded Black Steel Pipe (23 21 13 23)</b>					
<b>23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies (23 21 13 23-0374)</b>					
Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
23 21	13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... <i>For Work In Restricted Working Space, Add</i>	22.40 5.21	7.13
23 21	13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... <i>For Work In Restricted Working Space, Add</i>	24.81 5.84	7.61
23 21	13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... <i>For Work In Restricted Working Space, Add</i>	29.60 6.70	8.09
23 21	13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... <i>For Work In Restricted Working Space, Add</i>	31.41 7.01	8.09

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly ..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	35.81	8.09
		<i>For Work In Restricted Working Space, Add</i>	8.11	
23 21 13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly ..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	41.48	8.09
		<i>For Work In Restricted Working Space, Add</i>	9.41	
23 21 13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly ..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	47.51	7.89
		<i>For Work In Restricted Working Space, Add</i>	9.92	
23 21 13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly ..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	61.46	9.72
		<i>For Work In Restricted Working Space, Add</i>	12.07	
23 21 13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly ..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	82.06	14.49
		<i>For Work In Restricted Working Space, Add</i>	13.89	
23 21 13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly ..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	124.92	18.00
		<i>For Work In Restricted Working Space, Add</i>	20.61	
23 21 13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly ..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	166.54	22.51
		<i>For Work In Restricted Working Space, Add</i>	24.58	
23 21 13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly ..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	208.82	27.19
		<i>For Work In Restricted Working Space, Add</i>	28.40	
23 21 13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly ..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	237.31	35.47
		<i>For Work In Restricted Working Space, Add</i>	31.69	
23 21 13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly ..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	277.98	45.00
		<i>For Work In Restricted Working Space, Add</i>	35.41	
23 21 13 23-0390	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly ..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	351.19	55.72
		<i>For Work In Restricted Working Space, Add</i>	38.85	
23 21 13 23-0391	LF	20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly ..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	455.75	68.86
		<i>For Work In Restricted Working Space, Add</i>	44.47	
23 21 13 23-0392	LF	24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly ..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	562.07	78.05
		<i>For Work In Restricted Working Space, Add</i>	48.89	
23 21 13 23-0393		<b>Welded Black Steel Pipe And Fittings</b> <small>(23 21 13 23-0374)</small> Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.		
23 21 13 23-0394		<b>Welded Plain End Black Steel Piping</b> <small>(23 21 13 23-0393)</small> Note: ASTM A-53		
23 21 13 23-0395	LF	3/4" Schedule 40, Welded Plain End Black Steel Pipe.....	9.15	3.81
		<i>For Work In Restricted Working Space, Add</i>	2.28	
		<i>For Schedule 80 Pipe, Add</i>	1.45	
		<i>For Schedule A-106 Pipe, Add</i>	0.18	
23 21 13 23-0396	LF	1" Schedule 40, Welded Plain End Black Steel Pipe .....	11.56	4.76
		<i>For Work In Restricted Working Space, Add</i>	2.85	
		<i>For Schedule 80 Pipe, Add</i>	1.84	
		<i>For Schedule A-106 Pipe, Add</i>	0.25	
23 21 13 23-0397	LF	1-1/4" Schedule 40, Welded Plain End Black Steel Pipe .....	14.42	5.71
		<i>For Work In Restricted Working Space, Add</i>	3.42	
		<i>For Schedule 80 Pipe, Add</i>	2.31	
		<i>For Schedule A-106 Pipe, Add</i>	0.36	
23 21 13 23-0398	LF	1-1/2" Schedule 40, Welded Plain End Black Steel Pipe .....	17.32	6.65
		<i>For Work In Restricted Working Space, Add</i>	4.00	
		<i>For Schedule 80 Pipe, Add</i>	2.80	
		<i>For Schedule A-106 Pipe, Add</i>	0.48	
23 21 13 23-0399	LF	2" Schedule 40, Welded Plain End Black Steel Pipe .....	20.58	7.89
		<i>For Work In Restricted Working Space, Add</i>	4.74	
		<i>For Schedule 80 Pipe, Add</i>	3.33	
		<i>For Schedule A-106 Pipe, Add</i>	0.57	
23 21 13 23-0400	LF	2-1/2" Schedule 40, Welded Plain End Black Steel Pipe .....	23.46	8.95
		<i>For Work In Restricted Working Space, Add</i>	5.36	
		<i>For Schedule A-106 Pipe, Add</i>	0.67	
		<i>For Schedule 80 Pipe, Add</i>	5.08	
23 21 13 23-0401	LF	3" Schedule 40, Welded Plain End Black Steel Pipe .....	28.07	9.61
		<i>For Work In Restricted Working Space, Add</i>	5.76	
		<i>For Schedule A-106 Pipe, Add</i>	1.06	
		<i>For Schedule 80 Pipe, Add</i>	6.46	
23 21 13 23-0402	LF	4" Schedule 40, Welded Plain End Black Steel Pipe .....	37.98	11.89
		<i>For Work In Restricted Working Space, Add</i>	7.13	
		<i>For Schedule A-106 Pipe, Add</i>	1.70	
		<i>For Schedule 80 Pipe, Add</i>	9.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0403	LF		6" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Schedule 80 Pipe, Add</i>	53.29 8.85 2.86 13.49	19.26
23 21 13 23-0404	LF		8" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Schedule 80 Pipe, Add</i>	74.60 11.61 -11.05 4.31 19.34	19.36
23 21 13 23-0405	LF		10" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Schedule 80 Pipe, Add</i>	97.43 13.99 -14.82 6.10 25.94	23.32
23 21 13 23-0406	LF		12" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Schedule 80 Pipe, Add</i>	123.53 16.91 -19.07 8.06 33.37	28.17
23 21 13 23-0407	LF		14" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Schedule 20 Pipe, Deduct</i> <i>For Schedule 80 Pipe, Add</i>	120.67 17.82 -18.19 7.35 -33.32 31.84	29.70
23 21 13 23-0408	LF		16" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Schedule 20 Pipe, Deduct</i> <i>For Schedule 80 Pipe, Add</i>	132.38 19.17 -20.09 8.22 -36.75 35.15	31.95
23 21 13 23-0409	LF		18" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Schedule 20 Pipe, Deduct</i> <i>For Schedule 80 Pipe, Add</i>	164.03 20.74 -25.89 11.39 -47.04 45.31	34.56
23 21 13 23-0410	LF		20" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Schedule 80 Pipe, Add</i>	194.24 24.84 13.37 53.49	41.40
23 21 13 23-0411	LF		24" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Schedule 80 Pipe, Add</i>	239.19 28.57 17.27 67.05	47.61
<b>23 21 13 23-0412</b>			<b>Welded Plain End Black Steel 90 Degree Elbows (23 21 13 23-0393)</b>		
23 21 13 23-0413	EA		3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	107.21 25.65 23.18	57.07
23 21 13 23-0414	EA		1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	111.70 27.00 24.06	60.04
23 21 13 23-0415	EA		1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	124.30 30.78 26.52	68.41
23 21 13 23-0416	EA		1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	132.40 33.21 28.10	73.81
23 21 13 23-0417	EA		2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	165.69 43.20 34.59	96.05
23 21 13 23-0418	EA		2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	208.93 54.00 43.78	120.07
23 21 13 23-0419	EA		3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	227.32 57.82 47.96	128.60
23 21 13 23-0420	EA		4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	390.33 99.94 82.12	222.19
23 21 13 23-0421	EA		6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	690.43 164.94 149.40	366.68
23 21 13 23-0422	EA		8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	992.34 219.41 220.91	487.78
23 21 13 23-0423	EA		10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,315.03 250.75 306.75	557.54
23 21 13 23-0424	EA		12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,788.46 328.08 421.71	729.46
23 21 13 23-0425	EA		14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,233.19 387.82 534.22	862.23
23 21 13 23-0426	EA		16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,796.82 452.85 680.55	1,006.88

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0427	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,340.01 504.96 825.27	1,122.73
23 21	13 23-0428	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	4,322.54 566.21 1,098.59	1,258.83
23 21	13 23-0429	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	5,132.79 585.08 1,335.06	1,300.86
<b>23 21</b>	<b>13 23-0430</b>		<b>Welded Plain End Black Steel Reducing 90 Degree Elbows</b> <small>(23 21 13 23-0393)</small>		
23 21	13 23-0431	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	569.02 100.13 135.66	222.57
23 21	13 23-0432	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,003.73 163.06 244.05	362.49
23 21	13 23-0433	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,082.64 163.06 267.72	362.49
23 21	13 23-0434	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,702.13 219.41 433.85	487.78
23 21	13 23-0435	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,890.26 219.41 490.29	487.78
23 21	13 23-0436	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,387.56 250.75 628.50	557.54
23 21	13 23-0437	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,387.56 250.75 628.50	557.54
23 21	13 23-0438	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,995.42 334.33 1,081.61	743.32
23 21	13 23-0439	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,995.42 334.33 1,081.61	743.32
23 21	13 23-0440	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	4,507.17 334.33 1,235.13	743.32
<b>23 21</b>	<b>13 23-0441</b>		<b>Welded Plain End Black Steel 45 Degree Elbows</b> <small>(23 21 13 23-0393)</small>		
23 21	13 23-0442	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	98.08 24.26 20.93	53.93
23 21	13 23-0443	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	100.94 25.11 21.49	55.83
23 21	13 23-0444	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	113.30 28.82 23.90	64.11
23 21	13 23-0445	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	120.91 31.10 25.39	69.15
23 21	13 23-0446	EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	151.35 40.24 31.32	89.41
23 21	13 23-0447	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	188.41 50.51 38.85	112.33
23 21	13 23-0448	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	217.96 57.81 45.15	128.51
23 21	13 23-0449	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	374.79 99.91 77.47	222.10
23 21	13 23-0450	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	651.85 164.75 137.89	366.30
23 21	13 23-0451	EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	921.91 219.41 199.78	487.78
23 21	13 23-0452	EA	10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,185.73 250.75 267.96	557.54
23 21	13 23-0453	EA	12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,598.91 327.47 365.06	728.12
23 21	13 23-0454	EA	14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,981.11 388.33 458.42	863.41
23 21	13 23-0455	EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,447.88 452.39 576.03	1,005.80

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0456	EA		18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,890.99 504.38 690.76	1,121.38
23 21 13 23-0457	EA		20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,665.40 566.21 901.45	1,258.83
23 21 13 23-0458	EA		24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	4,273.99 585.08 1,077.42	1,300.86
<b>23 21 13 23-0459 Welded Plain End Black Steel Tee (23 21 13 23-0393)</b>					
23 21 13 23-0460	EA		3/4" Standard Weight, Welded Plain End Black Steel Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	204.21 45.66 45.28	101.50
23 21 13 23-0461	EA		1" Standard Weight, Welded Plain End Black Steel Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	204.17 45.64 45.28	101.50
23 21 13 23-0462	EA		1-1/4" Standard Weight, Welded Plain End Black Steel Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	231.95 50.77 51.81	112.91
23 21 13 23-0463	EA		1-1/2" Standard Weight, Welded Plain End Black Steel Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	252.95 57.07 55.91	126.89
23 21 13 23-0464	EA		2" Standard Weight, Welded Plain End Black Steel Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	309.44 76.19 66.17	169.41
23 21 13 23-0465	EA		2-1/2" Standard Weight, Welded Plain End Black Steel Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	354.28 85.61 76.32	190.33
23 21 13 23-0466	EA		3" Standard Weight, Welded Plain End Black Steel Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	422.51 103.87 90.40	231.14
23 21 13 23-0467	EA		4" Standard Weight, Welded Plain End Black Steel Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	606.74 150.19 129.46	333.95
23 21 13 23-0468	EA		6" Standard Weight, Welded Plain End Black Steel Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,020.26 248.13 219.23	551.68
23 21 13 23-0469	EA		8" Standard Weight, Welded Plain End Black Steel Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,472.07 334.33 324.60	743.32
23 21 13 23-0470	EA		10" Standard Weight, Welded Plain End Black Steel Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,899.82 390.06 433.43	867.18
23 21 13 23-0471	EA		12" Standard Weight, Welded Plain End Black Steel Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,583.66 501.50 599.57	1,114.98
23 21 13 23-0472	EA		14" Standard Weight, Welded Plain End Black Steel Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,416.56 585.08 820.19	1,300.86
23 21 13 23-0473	EA		16" Standard Weight, Welded Plain End Black Steel Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	4,112.98 702.10 988.16	1,561.00
23 21 13 23-0474	EA		18" Standard Weight, Welded Plain End Black Steel Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	5,495.93 780.11 1,375.74	1,734.46
23 21 13 23-0475	EA		20" Standard Weight, Welded Plain End Black Steel Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	7,395.79 877.63 1,911.57	1,951.30
23 21 13 23-0476	EA		24" Standard Weight, Welded Plain End Black Steel Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	8,603.10 945.14 2,250.13	2,101.40
<b>23 21 13 23-0477 Welded Plain End Black Steel Reducing Tees (23 21 13 23-0393)</b>					
23 21 13 23-0478	EA		3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	199.46 44.23 44.36	98.35
23 21 13 23-0479	EA		1" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	204.17 45.64 45.28	101.50
23 21 13 23-0480	EA		1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	228.62 50.77 50.82	112.91
23 21 13 23-0481	EA		1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	249.62 57.07 54.91	126.89
23 21 13 23-0482	EA		2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	316.91 76.22 68.40	169.41
23 21 13 23-0483	EA		2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	354.39 85.64 76.34	190.42
23 21 13 23-0484	EA		3" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	422.86 103.87 90.50	231.14

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
23 21	13 23-0485	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	607.23 150.19 129.60	333.95	
23 21	13 23-0486	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,021.10 248.13 219.48	551.68	
23 21	13 23-0487	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,473.68 334.33 325.09	743.32	
23 21	13 23-0488	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,902.56 390.06 434.25	867.18	
23 21	13 23-0489	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,587.80 501.50 600.81	1,114.98	
23 21	13 23-0490	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,423.23 585.08 822.19	1,300.86	
23 21	13 23-0491	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	4,121.04 702.10 990.58	1,561.00	
23 21	13 23-0492	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	5,509.12 780.11 1,379.70	1,734.46	
23 21	13 23-0493	EA	20" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	7,523.93 877.63 1,950.01	1,951.30	
23 21	13 23-0494	EA	24" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	9,175.47 945.14 2,421.84	2,101.40	
23 21	13 23-0495	<b>Welded Plain End Black Steel Eccentric Reducers</b> <small>(23 21 13 23-0393)</small>				
23 21	13 23-0496	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	161.42 27.82 38.69	61.85	
23 21	13 23-0497	EA	1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	170.45 30.53 40.45	67.87	
23 21	13 23-0498	EA	1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	168.08 29.82 39.99	66.30	
23 21	13 23-0499	EA	1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	181.38 33.81 42.58	75.17	
23 21	13 23-0500	EA	1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	174.73 31.81 41.28	70.73	
23 21	13 23-0501	EA	1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	172.36 31.10 40.82	69.15	
23 21	13 23-0502	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	176.19 40.37 38.73	89.76	
23 21	13 23-0503	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	197.68 39.09 45.62	86.90	
23 21	13 23-0504	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	191.02 37.09 44.32	82.47	
23 21	13 23-0505	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	219.44 51.35 47.86	114.18	
23 21	13 23-0506	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	210.16 46.07 46.92	102.44	
23 21	13 23-0507	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	251.66 44.79 59.82	99.59	
23 21	13 23-0508	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	245.00 57.65 53.32	128.13	
23 21	13 23-0509	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	248.74 57.65 54.45	128.13	
23 21	13 23-0510	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	256.65 57.65 56.82	128.13	
23 21	13 23-0511	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	402.81 100.13 85.80	222.57	
23 21	13 23-0512	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	406.55 100.13 86.92	222.57	
23 21	13 23-0513	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	417.79 100.13 90.29	222.57	
23 21	13 23-0514	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	685.81 163.06 148.67	362.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13	23-0515	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	766.52 163.06 172.89	362.49
23 21 13	23-0516	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,008.51 248.13 215.71	551.68
23 21 13	23-0517	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,158.68 248.13 260.76	551.68
23 21 13	23-0518	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,188.74 285.35 256.75	634.44
23 21 13	23-0519	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,369.29 285.35 310.91	634.44
23 21 13	23-0520	EA	10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	1,606.85 285.35 382.18 -209.81	634.44
23 21 13	23-0521	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,483.01 333.70 328.11	741.89
23 21 13	23-0522	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,693.93 333.70 391.39	741.89
23 21 13	23-0523	EA	12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	2,050.48 333.70 498.35 -300.21	741.89
23 21 13	23-0524	EA	12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	1,477.02 333.70 326.31 -116.70	741.89
23 21 13	23-0525	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,950.87 390.06 448.74	867.18
23 21 13	23-0526	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,061.94 390.06 482.06	867.18
23 21 13	23-0527	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,169.38 390.06 814.29	867.18
23 21 13	23-0528	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,457.84 438.81 583.77	975.65
23 21 13	23-0529	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,784.85 438.81 681.87	975.65
23 21 13	23-0530	EA	16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	2,912.15 438.81 720.06 -463.82	975.65
23 21 13	23-0531	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	4,346.22 438.81 1,150.28	975.65
23 21 13	23-0532	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	5,059.82 438.81 1,364.36	975.65
23 21 13	23-0533	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,464.33 501.50 863.77	1,114.98
23 21 13	23-0534	EA	18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	1,993.12 501.50 422.41 -102.86	1,114.98
23 21 13	23-0535	EA	18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	3,636.17 501.50 915.33 -628.64	1,114.98
23 21 13	23-0536	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,889.52 501.50 991.33	1,114.98
23 21 13	23-0537	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	6,031.44 501.50 1,633.91	1,114.98
23 21 13	23-0538	EA	20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	4,138.93 566.21 1,043.51 -720.50	1,258.83
23 21 13	23-0539	EA	20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	4,133.12 566.21 1,041.76 -718.64	1,258.83
23 21 13	23-0540	EA	20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	6,966.71 566.21 1,891.84 -1,625.39	1,258.83
23 21 13	23-0541	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	8,103.30 566.21 2,232.82	1,258.83

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0542	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	9,808.23 566.21 2,744.30	1,258.83
23 21	13 23-0543	EA	24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	4,902.44 585.08 1,265.95 -944.69	1,300.86
23 21	13 23-0544	EA	24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	5,245.96 585.08 1,369.01 -1,054.62	1,300.86
23 21	13 23-0545	EA	24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	6,841.98 585.08 1,847.81 -1,565.34	1,300.86
23 21	13 23-0546	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	9,812.02 585.08 2,738.83	1,300.86
23 21	13 23-0547	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	12,039.02 585.08 3,406.93	1,300.86
<b>23 21 13 23-0548 Welded Plain End Black Steel Concentric Reducers (23 21 13 23-0393)</b>					
23 21	13 23-0549	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	143.44 27.82 33.30	61.85
23 21	13 23-0550	EA	1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	152.47 30.53 35.06	67.87
23 21	13 23-0551	EA	1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	150.10 29.82 34.59	66.30
23 21	13 23-0552	EA	1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	163.40 33.81 37.19	75.17
23 21	13 23-0553	EA	1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	156.75 31.81 35.89	70.73
23 21	13 23-0554	EA	1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	154.38 31.10 35.43	69.15
23 21	13 23-0555	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	167.03 40.37 35.98	89.76
23 21	13 23-0556	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	162.74 39.09 35.14	86.90
23 21	13 23-0557	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	168.56 37.09 37.59	82.47
23 21	13 23-0558	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	212.79 51.35 45.86	114.18
23 21	13 23-0559	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	206.42 46.07 45.80	102.44
23 21	13 23-0560	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	220.03 44.79 50.33	99.59
23 21	13 23-0561	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	225.86 57.65 47.58	128.13
23 21	13 23-0562	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	228.36 57.65 48.33	128.13
23 21	13 23-0563	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	233.77 57.65 49.95	128.13
23 21	13 23-0564	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	377.02 100.13 78.06	222.57
23 21	13 23-0565	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	386.59 100.13 80.93	222.57
23 21	13 23-0566	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	386.59 100.13 80.93	222.57
23 21	13 23-0567	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	634.24 163.06 133.20	362.49
23 21	13 23-0568	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	653.37 163.06 138.94	362.49
23 21	13 23-0569	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	946.10 248.13 196.98	551.68
23 21	13 23-0570	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	980.22 248.13 207.22	551.68



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13	23-0571	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,182.08 285.35 254.75	634.44
23 21 13	23-0572	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,167.94 285.35 250.51	634.44
23 21 13	23-0573	EA	10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,346.00 285.35 303.93	634.44
23 21 13	23-0574	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,397.72 333.70 302.52	741.89
23 21 13	23-0575	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,440.48 333.70 315.35	741.89
23 21 13	23-0576	EA	12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,455.96 333.70 319.99	741.89
23 21 13	23-0577	EA	12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,909.85 333.70 456.16	741.89
23 21 13	23-0578	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,729.53 390.06 382.34	867.18
23 21 13	23-0579	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,888.04 390.06 429.89	867.18
23 21 13	23-0580	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,025.75 390.06 471.21	867.18
23 21 13	23-0581	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,557.95 390.06 630.87	867.18
23 21 13	23-0582	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,214.05 438.81 510.63	975.65
23 21 13	23-0583	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,214.05 438.81 510.63	975.65
23 21 13	23-0584	EA	16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,293.10 438.81 534.35	975.65
23 21 13	23-0585	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,555.61 438.81 613.10	975.65
23 21 13	23-0586	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,642.80 438.81 939.26	975.65
23 21 13	23-0587	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,492.49 501.50 572.22	1,114.98
23 21 13	23-0588	EA	18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,695.10 501.50 633.01	1,114.98
23 21 13	23-0589	EA	18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,779.97 501.50 658.47	1,114.98
23 21 13	23-0590	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,010.86 501.50 727.73	1,114.98
23 21 13	23-0591	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	5,664.23 501.50 1,523.74	1,114.98
23 21 13	23-0592	EA	20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,296.05 566.21 790.64	1,258.83
23 21 13	23-0593	EA	20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,296.05 566.21 790.64	1,258.83
23 21 13	23-0594	EA	20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,353.88 566.21 807.99	1,258.83
23 21 13	23-0595	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,696.28 566.21 910.71	1,258.83
23 21 13	23-0596	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	4,292.03 566.21 1,089.44	1,258.83
23 21 13	23-0597	EA	24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,543.69 585.08 858.33	1,300.86
23 21 13	23-0598	EA	24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,579.87 585.08 869.18	1,300.86
23 21 13	23-0599	EA	24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,650.60 585.08 890.40	1,300.86
23 21 13	23-0600	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	5,288.10 585.08 1,381.65	1,300.86

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0601	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	5,611.36 585.08 1,478.63	1,300.86
<b>23 21</b>	<b>13 23-0602</b>		<b>Welded Plain End Black Steel Caps</b> <small>(23 21 13 23-0393)</small>		
23 21	13 23-0603	EA	1" Standard Weight, Welded Plain End Black Steel Cap <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Fittings, Add</i>	58.58 14.27 11.63	31.77
23 21	13 23-0604	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Fittings, Add</i>	64.02 15.69 12.67	34.90
23 21	13 23-0605	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Fittings, Add</i>	66.62 16.27 13.21	36.14
23 21	13 23-0606	EA	2" Standard Weight, Welded Plain End Black Steel Cap <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Fittings, Add</i>	81.85 20.84 15.87	46.33
23 21	13 23-0607	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Cap <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Fittings, Add</i>	96.11 25.11 18.37	55.83
23 21	13 23-0608	EA	3" Standard Weight, Welded Plain End Black Steel Cap <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Fittings, Add</i>	114.48 28.97 22.27	64.39
23 21	13 23-0609	EA	4" Standard Weight, Welded Plain End Black Steel Cap <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Fittings, Add</i>	190.71 50.06 36.35	111.29
23 21	13 23-0610	EA	6" Standard Weight, Welded Plain End Black Steel Cap <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Fittings, Add</i>	320.98 82.71 61.83	183.86
23 21	13 23-0611	EA	8" Standard Weight, Welded Plain End Black Steel Cap <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Fittings, Add</i>	454.36 115.92 88.01	257.77
23 21	13 23-0612	EA	10" Standard Weight, Welded Plain End Black Steel Cap <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Fittings, Add</i>	607.00 146.33 121.13	325.40
23 21	13 23-0613	EA	12" Standard Weight, Welded Plain End Black Steel Cap <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Fittings, Add</i>	693.33 163.28 139.97	363.02
23 21	13 23-0614	EA	14" Standard Weight, Welded Plain End Black Steel Cap <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Fittings, Add</i>	930.29 195.03 197.83	433.60
23 21	13 23-0615	EA	16" Standard Weight, Welded Plain End Black Steel Cap <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Fittings, Add</i>	1,080.43 226.49 229.76	503.53
23 21	13 23-0616	EA	18" Standard Weight, Welded Plain End Black Steel Cap <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Fittings, Add</i>	1,210.18 250.75 258.57	557.54
<b>23 21</b>	<b>13 23-0617</b>		<b>150 LB, Welded Plain End Black Steel Neck Flanges</b> <small>(23 21 13 23-0393)</small>		
			Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21	13 23-0618	EA	2", 150 LB, Welded Plain End Black Steel Neck Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	139.66 32.26 33.79	71.72
23 21	13 23-0619	EA	2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	166.31 40.25 36.59	89.51
23 21	13 23-0620	EA	3", 150 LB, Welded Plain End Black Steel Neck Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	185.60 46.03 38.64	102.34
23 21	13 23-0621	EA	4", 150 LB, Welded Plain End Black Steel Neck Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	243.38 60.71 49.95	134.98
23 21	13 23-0622	EA	6", 150 LB, Welded Plain End Black Steel Neck Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	369.92 92.05 76.38	204.69
23 21	13 23-0623	EA	8", 150 LB, Welded Plain End Black Steel Neck Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	415.05 94.88 102.36	210.99
23 21	13 23-0624	EA	10", 150 LB, Welded Plain End Black Steel Neck Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	541.01 119.00 142.69	264.55
23 21	13 23-0625	EA	12", 150 LB, Welded Plain End Black Steel Neck Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	660.53 135.02 194.59	300.19
23 21	13 23-0626	EA	14", 150 LB, Welded Plain End Black Steel Neck Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	863.78 163.28 280.81	363.02
23 21	13 23-0627	EA	16", 150 LB, Welded Plain End Black Steel Neck Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,131.73 189.76 415.86	421.89
23 21	13 23-0628	EA	18", 150 LB, Welded Plain End Black Steel Neck Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,402.21 212.76 559.58	473.01
23 21	13 23-0629	EA	20", 150 LB, Welded Plain End Black Steel Neck Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,777.88 270.04 708.94	600.39

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0630	EA	24", 150 LB, Welded Plain End Black Steel Neck Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	2,017.44 292.54 832.00	650.44
<b>23 21</b>	<b>13 23-0631</b>		<b>150 LB, Welded Black Steel Slip-On Flanges</b> <small>(23 21 13 23-0393)</small> Note: Excludes bolt and gasket sets. See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21	13 23-0632	EA	2", 150 LB, Welded Black Steel Slip-On Flanges <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	100.89 25.68 22.74	71.72
23 21	13 23-0633	EA	2-1/2", 150 LB, Welded Black Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	124.25 31.39 28.64	89.51
23 21	13 23-0634	EA	3", 150 LB, Welded Black Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	146.75 37.10 33.77	102.34
23 21	13 23-0635	EA	4", 150 LB, Welded Black Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	193.20 48.51 45.33	134.98
23 21	13 23-0636	EA	6", 150 LB, Welded Black Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	286.27 71.34 68.60	204.69
23 21	13 23-0637	EA	8", 150 LB, Welded Black Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	361.79 86.41 96.62	210.99
23 21	13 23-0638	EA	10", 150 LB, Welded Black Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	487.37 108.02 152.39	264.55
23 21	13 23-0639	EA	12", 150 LB, Welded Black Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	632.94 129.62 226.16	300.19
23 21	13 23-0640	EA	14", 150 LB, Welded Black Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	797.56 151.22 317.07	363.02
23 21	13 23-0641	EA	16", 150 LB, Welded Black Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	953.24 167.42 414.24	421.89
23 21	13 23-0642	EA	18", 150 LB, Welded Black Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,055.16 183.63 463.03	473.01
23 21	13 23-0643	EA	20", 150 LB, Welded Black Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,169.72 199.83 523.20	600.39
23 21	13 23-0644	EA	24", 150 LB, Welded Black Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,339.97 232.23 590.56	650.44
<b>23 21</b>	<b>13 23-0645</b>		<b>150 LB, Forged Steel Blind Flanges</b> <small>(23 21 13 23-0393)</small>		
23 21	13 23-0646	EA	2", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 600 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	69.04 15.27 51.17 19.86	25.45
23 21	13 23-0647	EA	2-1/2", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 600 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	90.49 18.32 79.77 29.95	30.54
23 21	13 23-0648	EA	3", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 600 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	111.87 24.43 85.25 32.90	40.72
23 21	13 23-0649	EA	4", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 600 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	143.74 30.54 115.93 44.24	50.90
23 21	13 23-0650	EA	6", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 600 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	195.88 39.70 172.37 64.73	66.17
23 21	13 23-0651	EA	8", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 600 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	253.51 45.81 264.85 96.68	76.35
23 21	13 23-0652	EA	10", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 600 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	380.08 54.97 499.92 176.72	91.61
23 21	13 23-0653	EA	12", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 600 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	492.39 64.13 700.75 245.34	106.89
23 21	13 23-0654	EA	14", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	817.98 73.29 484.59	122.16
23 21	13 23-0655	EA	16", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	879.54 82.46 512.61	137.42
23 21	13 23-0656	EA	18", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	992.70 100.78 560.69	167.96

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0657	EA		20", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,265.70 109.94 757.86	183.23
23 21 13 23-0658	EA		24", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,714.94 128.26 1,074.81	213.77
<b>23 21 13 23-0659</b>			<b>3,000 LB, Forge Steel Thread-O-Lets</b> <small>(23 21 13 23-0393)</small>		
23 21 13 23-0660	EA		1/2", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Weld-O-Lets, Add</i>	68.25 17.98 26.35 4.16	
23 21 13 23-0661	EA		3/4", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Weld-O-Lets, Add</i>	72.54 18.83 28.05 4.89	
23 21 13 23-0662	EA		1", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Weld-O-Lets, Add</i>	77.53 19.97 30.01 5.48	
23 21 13 23-0663	EA		1-1/4", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Weld-O-Lets, Add</i>	86.87 21.40 33.79 7.77	
23 21 13 23-0664	EA		1-1/2", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Weld-O-Lets, Add</i>	96.38 24.26 37.40 7.77	
23 21 13 23-0665	EA		2", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Weld-O-Lets, Add</i>	125.10 31.70 48.51 9.71	
23 21 13 23-0666	EA		2-1/2", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Weld-O-Lets, Add</i>	206.36 40.77 81.94 35.24	
23 21 13 23-0667	EA		3", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Weld-O-Lets, Add</i>	261.13 57.07 102.77 35.45	
23 21 13 23-0668	EA		4", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Weld-O-Lets, Add</i>	376.55 71.34 150.03 69.38	
<b>23 21 13 23-0669</b>			<b>Class 150 Flange, Steel Bolt And Gasket Sets</b> <small>(23 21 13 23-0393)</small>		
			Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0670	EA		3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	13.72 3.84 5.49 9.60	
23 21 13 23-0671	EA		2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	17.47 4.89 6.99 12.23	
23 21 13 23-0672	EA		2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	17.65 4.94 7.06 12.36	
23 21 13 23-0673	EA		3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	17.72 4.96 7.09 12.40	
23 21 13 23-0674	EA		4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	39.94 11.18 15.98 27.96	
23 21 13 23-0675	EA		5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	57.06 15.98 22.82 39.94	
23 21 13 23-0676	EA		6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	61.66 17.26 24.66 43.16	
23 21 13 23-0677	EA		8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	67.46 18.89 26.98 47.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0678	EA		10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....149.60 Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut. For Zinc Plated, Add 41.89 For Hot Dip Galvanized, Add 59.84 For Advanced Fluoropolymer (Blue Coating), Add 104.72		
23 21 13 23-0679	EA		12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....152.18 Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut. For Zinc Plated, Add 42.61 For Hot Dip Galvanized, Add 60.87 For Advanced Fluoropolymer (Blue Coating), Add 106.53		
23 21 13 23-0680	EA		14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....170.64 Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut. For Zinc Plated, Add 47.78 For Hot Dip Galvanized, Add 68.26 For Advanced Fluoropolymer (Blue Coating), Add 119.45		
23 21 13 23-0681	EA		16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....284.10 Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut. For Zinc Plated, Add 79.55 For Hot Dip Galvanized, Add 113.64 For Advanced Fluoropolymer (Blue Coating), Add 198.87		
23 21 13 23-0682	EA		18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....410.21 Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut. For Zinc Plated, Add 114.86 For Hot Dip Galvanized, Add 164.08 For Advanced Fluoropolymer (Blue Coating), Add 287.15		
23 21 13 23-0683	EA		20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....518.21 Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut. For Zinc Plated, Add 145.10 For Hot Dip Galvanized, Add 207.28 For Advanced Fluoropolymer (Blue Coating), Add 362.75		
23 21 13 23-0684	EA		24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....739.11 Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut. For Zinc Plated, Add 206.95 For Hot Dip Galvanized, Add 295.64 For Advanced Fluoropolymer (Blue Coating), Add 517.38		
23 21 13 23-0685	EA		30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....1,167.01 Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut. For Zinc Plated, Add 326.76 For Hot Dip Galvanized, Add 466.80 For Advanced Fluoropolymer (Blue Coating), Add 816.91		
23 21 13 23-0686	EA		36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....1,661.49 Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut. For Zinc Plated, Add 465.22 For Hot Dip Galvanized, Add 664.60 For Advanced Fluoropolymer (Blue Coating), Add 1,163.04		
23 21 13 23-0687			<b>Class 300 Flange, Steel Bolt And Gasket Sets</b> <small>(23 21 13 23-0393)</small> Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0688	EA		3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....21.62 Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut. For Zinc Plated, Add 6.05 For Hot Dip Galvanized, Add 8.65 For Advanced Fluoropolymer (Blue Coating), Add 15.13		
23 21 13 23-0689	EA		2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....40.27 Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut. For Zinc Plated, Add 11.28 For Hot Dip Galvanized, Add 16.11 For Advanced Fluoropolymer (Blue Coating), Add 28.19		
23 21 13 23-0690	EA		2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....63.07 Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. For Zinc Plated, Add 17.66 For Hot Dip Galvanized, Add 25.23 For Advanced Fluoropolymer (Blue Coating), Add 44.15		
23 21 13 23-0691	EA		3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....68.52 Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. For Zinc Plated, Add 19.19 For Hot Dip Galvanized, Add 27.41 For Advanced Fluoropolymer (Blue Coating), Add 47.96		
23 21 13 23-0692	EA		4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....69.91 Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. For Zinc Plated, Add 19.57 For Hot Dip Galvanized, Add 27.96 For Advanced Fluoropolymer (Blue Coating), Add 48.94		
23 21 13 23-0693	EA		5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....74.48 Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. For Zinc Plated, Add 20.85 For Hot Dip Galvanized, Add 29.79 For Advanced Fluoropolymer (Blue Coating), Add 52.14		
23 21 13 23-0694	EA		6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....107.95 Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut. For Zinc Plated, Add 30.23 For Hot Dip Galvanized, Add 43.18 For Advanced Fluoropolymer (Blue Coating), Add 75.57		
23 21 13 23-0695	EA		8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....167.69 Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut. For Zinc Plated, Add 46.95 For Hot Dip Galvanized, Add 67.08 For Advanced Fluoropolymer (Blue Coating), Add 117.38		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-0696	EA 10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	308.08	
	Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
	For Zinc Plated, Add	86.26	
	For Hot Dip Galvanized, Add	123.23	
	For Advanced Fluoropolymer (Blue Coating), Add	215.66	
23 21 13 23-0697	EA 12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	445.13	
	Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
	For Zinc Plated, Add	124.64	
	For Hot Dip Galvanized, Add	178.05	
	For Advanced Fluoropolymer (Blue Coating), Add	311.59	
23 21 13 23-0698	EA 14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	609.59	
	Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
	For Zinc Plated, Add	170.69	
	For Hot Dip Galvanized, Add	243.84	
	For Advanced Fluoropolymer (Blue Coating), Add	426.71	
23 21 13 23-0699	EA 16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	842.32	
	Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
	For Zinc Plated, Add	235.85	
	For Hot Dip Galvanized, Add	336.93	
	For Advanced Fluoropolymer (Blue Coating), Add	589.62	
23 21 13 23-0700	EA 18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,081.32	
	Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
	For Zinc Plated, Add	302.77	
	For Hot Dip Galvanized, Add	432.53	
	For Advanced Fluoropolymer (Blue Coating), Add	756.92	
23 21 13 23-0701	EA 20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,147.20	
	Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
	For Zinc Plated, Add	321.22	
	For Hot Dip Galvanized, Add	458.88	
	For Advanced Fluoropolymer (Blue Coating), Add	803.04	
23 21 13 23-0702	EA 24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,453.48	
	Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.		
	For Zinc Plated, Add	406.97	
	For Hot Dip Galvanized, Add	581.39	
	For Advanced Fluoropolymer (Blue Coating), Add	1,017.44	
23 21 13 23-0703	EA 30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	2,280.65	
	Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.		
	For Zinc Plated, Add	638.58	
	For Hot Dip Galvanized, Add	912.26	
	For Advanced Fluoropolymer (Blue Coating), Add	1,596.46	
23 21 13 23-0704	EA 36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	3,466.05	
	Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.		
	For Zinc Plated, Add	970.49	
	For Hot Dip Galvanized, Add	1,386.42	
	For Advanced Fluoropolymer (Blue Coating), Add	2,426.24	
23 21 13 23-0705	<b>150 LB, Rubber Flange Gasket Replacement</b> (23 21 13 23-0393)		
	Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.		
23 21 13 23-0706	EA 1/2", 150 LB, Rubber Flange Gasket Replacement .....	28.45	
	For Work In Restricted Working Space, Add	8.44	
	For 300 LB Rating Gasket Set, Add	0.11	
23 21 13 23-0707	EA 3/4", 150 LB, Rubber Flange Gasket Replacement .....	30.44	
	For Work In Restricted Working Space, Add	9.00	
	For 300 LB Rating Gasket Set, Add	0.15	
23 21 13 23-0708	EA 1", 150 LB, Rubber Flange Gasket Replacement .....	33.56	
	For Work In Restricted Working Space, Add	9.84	
	For 300 LB Rating Gasket Set, Add	0.26	
23 21 13 23-0709	EA 1-1/4", 150 LB, Rubber Flange Gasket Replacement .....	36.49	
	For Work In Restricted Working Space, Add	10.69	
	For 300 LB Rating Gasket Set, Add	0.30	
23 21 13 23-0710	EA 1-1/2", 150 LB, Rubber Flange Gasket Replacement .....	40.46	
	For Work In Restricted Working Space, Add	11.81	
	For 300 LB Rating Gasket Set, Add	0.38	
23 21 13 23-0711	EA 2", 150 LB, Rubber Flange Gasket Replacement .....	44.65	
	For Work In Restricted Working Space, Add	12.94	
	For 300 LB Rating Gasket Set, Add	0.53	
23 21 13 23-0712	EA 2-1/2", 150 LB, Rubber Flange Gasket Replacement .....	52.68	
	For Work In Restricted Working Space, Add	15.19	
	For 300 LB Rating Gasket Set, Add	0.72	
23 21 13 23-0713	EA 3", 150 LB, Rubber Flange Gasket Replacement .....	55.82	
	For Work In Restricted Working Space, Add	16.04	
	For 300 LB Rating Gasket Set, Add	0.83	
23 21 13 23-0714	EA 4", 150 LB, Rubber Flange Gasket Replacement .....	74.21	
	For Work In Restricted Working Space, Add	21.10	
	For 300 LB Rating Gasket Set, Add	1.36	
23 21 13 23-0715	EA 5", 150 LB, Rubber Flange Gasket Replacement .....	85.89	
	For Work In Restricted Working Space, Add	24.47	
	For 300 LB Rating Gasket Set, Add	1.51	
23 21 13 23-0716	EA 6", 150 LB, Rubber Flange Gasket Replacement .....	98.43	
	For Work In Restricted Working Space, Add	27.85	
	For 300 LB Rating Gasket Set, Add	1.96	
23 21 13 23-0717	EA 8", 150 LB, Rubber Flange Gasket Replacement .....	120.72	
	For Work In Restricted Working Space, Add	33.76	
	For 300 LB Rating Gasket Set, Add	2.87	
23 21 13 23-0718	EA 10", 150 LB, Rubber Flange Gasket Replacement .....	131.66	
	For Work In Restricted Working Space, Add	36.01	
	For 300 LB Rating Gasket Set, Add	4.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0719	EA		12", 150 LB, Rubber Flange Gasket Replacement .....	150.84	
			<i>For Work In Restricted Working Space, Add</i>	40.79	
			<i>For 300 LB Rating Gasket Set, Add</i>	5.20	
23 21 13 23-0720	EA		14", 150 LB, Rubber Flange Gasket Replacement .....	158.44	
			<i>For Work In Restricted Working Space, Add</i>	42.20	
			<i>For 300 LB Rating Gasket Set, Add</i>	6.22	
23 21 13 23-0721	EA		16", 150 LB, Rubber Flange Gasket Replacement .....	207.37	
			<i>For Work In Restricted Working Space, Add</i>	56.26	
			<i>For 300 LB Rating Gasket Set, Add</i>	6.94	
23 21 13 23-0722	EA		18", 150 LB, Rubber Flange Gasket Replacement .....	226.04	
			<i>For Work In Restricted Working Space, Add</i>	61.61	
			<i>For 300 LB Rating Gasket Set, Add</i>	7.24	
23 21 13 23-0723	EA		20", 150 LB, Rubber Flange Gasket Replacement .....	272.54	
			<i>For Work In Restricted Working Space, Add</i>	75.10	
			<i>For 300 LB Rating Gasket Set, Add</i>	7.77	
<b>23 21 13 23-0724</b>			<b>150 LB, Spiral Wound Metal Flange Gasket Replacement</b> <small>(23 21 13 23-0393)</small>		
			Note: Includes unbolting, removal of old gaskets, new 150 LB spiral wound metal flange gasket (1/8" thick carbon steel outer ring with spiral wound 304 stainless steel inner ring) and rebolting.		
23 21 13 23-0725	EA		1/2", 150 LB, Spiral Wound Metal Flange Gasket Replacement .....	31.80	
			<i>For Work In Restricted Working Space, Add</i>	8.44	
			<i>For 300 Lb., Add</i>	0.28	
23 21 13 23-0726	EA		3/4", 150 LB, Spiral Wound Metal Flange Gasket Replacement .....	33.73	
			<i>For Work In Restricted Working Space, Add</i>	9.00	
			<i>For 300 Lb., Add</i>	0.28	
23 21 13 23-0727	EA		1", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	36.57	
			<i>For Work In Restricted Working Space, Add</i>	9.84	
			<i>For 300 Lb., Add</i>	0.28	
23 21 13 23-0728	EA		1-1/4", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	39.96	
			<i>For Work In Restricted Working Space, Add</i>	10.69	
			<i>For 300 Lb., Add</i>	0.32	
23 21 13 23-0729	EA		1-1/2", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	43.80	
			<i>For Work In Restricted Working Space, Add</i>	11.81	
			<i>For 300 Lb., Add</i>	0.33	
23 21 13 23-0730	EA		2", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	47.77	
			<i>For Work In Restricted Working Space, Add</i>	12.94	
			<i>For 300 Lb., Add</i>	0.35	
23 21 13 23-0731	EA		2-1/2", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	55.66	
			<i>For Work In Restricted Working Space, Add</i>	15.19	
			<i>For 300 Lb., Add</i>	0.38	
23 21 13 23-0732	EA		3", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	58.89	
			<i>For Work In Restricted Working Space, Add</i>	16.04	
			<i>For 300 Lb., Add</i>	0.41	
23 21 13 23-0733	EA		4", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	77.28	
			<i>For Work In Restricted Working Space, Add</i>	21.10	
			<i>For 300 Lb., Add</i>	0.52	
23 21 13 23-0734	EA		5", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	90.16	
			<i>For Work In Restricted Working Space, Add</i>	24.47	
			<i>For 300 Lb., Add</i>	0.64	
23 21 13 23-0735	EA		6", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	102.37	
			<i>For Work In Restricted Working Space, Add</i>	27.85	
			<i>For 300 Lb., Add</i>	0.71	
23 21 13 23-0736	EA		8", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	123.91	
			<i>For Work In Restricted Working Space, Add</i>	33.76	
			<i>For 300 Lb., Add</i>	0.85	
23 21 13 23-0737	EA		10", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	135.72	
			<i>For Work In Restricted Working Space, Add</i>	36.01	
			<i>For 300 Lb., Add</i>	1.18	
23 21 13 23-0738	EA		12", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	159.61	
			<i>For Work In Restricted Working Space, Add</i>	40.79	
			<i>For 300 Lb., Add</i>	1.77	
<b>23 21 13 23-0739</b>			<b>150 LB, Flexible Graphite Flange Gasket Replacement</b> <small>(23 21 13 23-0393)</small>		
			Note: Includes unbolting, removal of old gaskets, new 150 LB spiral wound metal flange gasket (flexible graphite outer ring with 316 stainless steel inner ring) and rebolting.		
23 21 13 23-0740	EA		1/2", 150 LB, Flexible Graphite Flange Gasket Replacement .....	28.87	
			<i>For Work In Restricted Working Space, Add</i>	8.44	
23 21 13 23-0741	EA		3/4", 150 LB, Flexible Graphite Flange Gasket Replacement .....	31.23	
			<i>For Work In Restricted Working Space, Add</i>	9.00	
23 21 13 23-0742	EA		1", 150 LB, Flexible Graphite Flange Gasket Replacement .....	34.21	
			<i>For Work In Restricted Working Space, Add</i>	9.84	
23 21 13 23-0743	EA		1-1/4", 150 LB, Flexible Graphite Flange Gasket Replacement.....	37.62	
			<i>For Work In Restricted Working Space, Add</i>	10.69	
23 21 13 23-0744	EA		1-1/2", 150 LB, Flexible Graphite Flange Gasket Replacement.....	41.50	
			<i>For Work In Restricted Working Space, Add</i>	11.81	
23 21 13 23-0745	EA		2", 150 LB, Flexible Graphite Flange Gasket Replacement .....	45.92	
			<i>For Work In Restricted Working Space, Add</i>	12.94	
23 21 13 23-0746	EA		2-1/2", 150 LB, Flexible Graphite Flange Gasket Replacement.....	54.39	
			<i>For Work In Restricted Working Space, Add</i>	15.19	
23 21 13 23-0747	EA		3", 150 LB, Flexible Graphite Flange Gasket Replacement .....	57.41	
			<i>For Work In Restricted Working Space, Add</i>	16.04	
23 21 13 23-0748	EA		4", 150 LB, Flexible Graphite Flange Gasket Replacement .....	76.75	
			<i>For Work In Restricted Working Space, Add</i>	21.10	
23 21 13 23-0749	EA		5", 150 LB, Flexible Graphite Flange Gasket Replacement .....	89.22	
			<i>For Work In Restricted Working Space, Add</i>	24.47	
23 21 13 23-0750	EA		6", 150 LB, Flexible Graphite Flange Gasket Replacement .....	101.36	
			<i>For Work In Restricted Working Space, Add</i>	27.85	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0751	EA	8", 150 LB, Flexible Graphite Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	126.86 33.76	
23 21	13 23-0752	EA	10", 150 LB, Flexible Graphite Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	140.82 36.01	
23 21	13 23-0753	EA	12", 150 LB, Flexible Graphite Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	161.70 40.79	
23 21	13 23-0754		<b>150 LB, Teflon, Spiral Wound, Flange Gasket Replacement</b> <small>(23 21 13 23-0393)</small> Note: Includes unbolting, removal of old gaskets, new 150 LB spiral wound metal flange gasket (teflon outer ring with 304 stainless steel inner ring) and rebolting.		
23 21	13 23-0755	EA	1/2", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	42.13 8.44	
23 21	13 23-0756	EA	3/4", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	44.97 9.00	
23 21	13 23-0757	EA	1", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	48.74 9.84	
23 21	13 23-0758	EA	1-1/4", Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	54.92 10.69	
23 21	13 23-0759	EA	1-1/2", Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	59.32 11.81	
23 21	13 23-0760	EA	2", Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	64.74 12.94	
23 21	13 23-0761	EA	2-1/2", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	75.32 15.19	
23 21	13 23-0762	EA	3", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	84.78 16.04	
23 21	13 23-0763	EA	4", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	107.63 21.10	
23 21	13 23-0764	EA	5", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	128.04 24.47	
23 21	13 23-0765	EA	6", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	164.85 27.85	
23 21	13 23-0766	EA	8", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	183.66 33.76	
23 21	13 23-0767	EA	10", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	207.52 36.01	
23 21	13 23-0768	EA	12", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	268.11 40.79	
23 21	13 23-0769		<b>Cut And Prepare For Welding Existing In-Place Black Steel Pipe</b> <small>(23 21 13 23-0393)</small> Note: For use when connecting pipe to an existing in-place system.		
23 21	13 23-0770	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	20.35 6.11	
23 21	13 23-0771	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	21.98 6.59	
23 21	13 23-0772	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	24.72 7.42	
23 21	13 23-0773	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	25.94 7.78	
23 21	13 23-0774	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	27.47 8.24	
23 21	13 23-0775	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	29.50 8.85	
23 21	13 23-0776	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	31.55 9.47	
23 21	13 23-0777	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	34.59 10.38	
23 21	13 23-0778	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	37.64 11.29	
23 21	13 23-0779	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	40.70 12.21	
23 21	13 23-0780	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	43.75 13.13	
23 21	13 23-0781	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	47.82 14.35	
23 21	13 23-0782	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	51.89 15.57	
23 21	13 23-0783	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	55.96 16.79	
23 21	13 23-0784	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	60.03 18.01	
23 21	13 23-0785	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	63.08 18.92	
23 21	13 23-0786	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	66.13 19.84	
23 21	13 23-0787	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	70.21 21.06	
23 21	13 23-0788		<b>Welded Plain End Electric Resistance Black Steel Pipe</b> <small>(23 21 13 23-0393)</small> Note: ASTM A-135.		
23 21	13 23-0789	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	20.37 5.14	10.46
23 21	13 23-0790	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	22.11 5.14	11.41



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0791	LF		3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	22.95 5.04	11.23
23 21 13 23-0792	LF		4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	28.81 6.41	14.27
23 21 13 23-0793	LF		6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	46.04 9.49	21.12
23 21 13 23-0794	LF		8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	57.23 11.07	24.58
23 21 13 23-0795	LF		10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	76.11 13.77	30.61
23 21 13 23-0796	LF		12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	92.26 16.60	36.90
23 21 13 23-0797	LF		14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	118.16 21.55	47.88
23 21 13 23-0798			<b>Flanged Steel Fittings</b> <sup>(23 21 13 23)</sup> See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0617 for welded neck flange ends.		
23 21 13 23-0799			<b>Flanged Steel Fittings, Standard Weight</b> <sup>(23 21 13 23-0798)</sup> Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21 13 23-0800			<b>Flanged Steel, 90 Degree Elbows</b> <sup>(23 21 13 23-0799)</sup>		
23 21 13 23-0801	EA		2" Standard Weight, Flanged Steel, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	414.55 279.16 418.74	43.76
23 21 13 23-0802	EA		2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	462.38 311.42 467.14	48.73
23 21 13 23-0803	EA		3" Standard Weight, Flanged Steel, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	459.35 303.01 454.51	53.79
23 21 13 23-0804	EA		4" Standard Weight, Flanged Steel, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	582.94 391.38 587.08	62.50
23 21 13 23-0805	EA		5" Standard Weight, Flanged Steel, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	815.13 568.14 852.22	70.00
23 21 13 23-0806	EA		6" Standard Weight, Flanged Steel, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	861.81 591.99 887.99	81.25
23 21 13 23-0807	EA		8" Standard Weight, Flanged Steel, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,093.58 766.91 1,150.37	89.96
23 21 13 23-0808			<b>Flanged Steel, Reducing 90 Degree Elbows</b> <sup>(23 21 13 23-0799)</sup>		
23 21 13 23-0809	EA		2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	774.27 563.94 845.90	46.30
23 21 13 23-0810	EA		3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	806.31 583.58 875.36	51.26
23 21 13 23-0811	EA		4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,004.24 733.67 1,100.51	58.10
23 21 13 23-0812	EA		5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,243.08 920.25 1,380.37	61.85
23 21 13 23-0813	EA		6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,415.90 1,046.50 1,569.76	71.88
23 21 13 23-0814	EA		8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,974.84 1,477.17 2,215.75	85.65
23 21 13 23-0815			<b>Flanged Steel, 45 Degree Elbows</b> <sup>(23 21 13 23-0799)</sup>		
23 21 13 23-0816	EA		2" Standard Weight, Flanged Steel, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	540.80 380.16 570.24	43.76
23 21 13 23-0817	EA		2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	564.09 392.79 589.19	48.73
23 21 13 23-0818	EA		3" Standard Weight, Flanged Steel, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	585.60 404.01 606.01	53.79
23 21 13 23-0819	EA		4" Standard Weight, Flanged Steel, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	730.24 509.22 763.84	62.50
23 21 13 23-0820	EA		5" Standard Weight, Flanged Steel, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,053.61 758.93 1,138.39	70.00

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21 13 23-0821	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow.....	1,026.64		81.25
		<i>For Galvanized Fittings, Add</i>	723.86		
		<i>For Extra Heavy Weight Fittings, Add</i>	1,085.78		
23 21 13 23-0822	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow.....	1,210.96		89.96
		<i>For Galvanized Fittings, Add</i>	860.82		
		<i>For Extra Heavy Weight Fittings, Add</i>	1,291.22		
<b>23 21 13 23-0823</b>		<b>Flanged Steel, Tees (23 21 13 23-0799)</b>			
23 21 13 23-0824	EA	2" Standard Weight, Flanged Steel, Tee.....	531.51		65.60
		<i>For Galvanized Fittings, Add</i>	346.50		
		<i>For Extra Heavy Weight Fittings, Add</i>	519.74		
23 21 13 23-0825	EA	2-1/2" Standard Weight, Flanged Steel, Tee.....	686.54		73.09
		<i>For Galvanized Fittings, Add</i>	461.53		
		<i>For Extra Heavy Weight Fittings, Add</i>	692.29		
23 21 13 23-0826	EA	3" Standard Weight, Flanged Steel, Tee.....	625.92		80.59
		<i>For Galvanized Fittings, Add</i>	404.02		
		<i>For Extra Heavy Weight Fittings, Add</i>	606.04		
23 21 13 23-0827	EA	4" Standard Weight, Flanged Steel, Tee.....	894.56		93.80
		<i>For Galvanized Fittings, Add</i>	603.20		
		<i>For Extra Heavy Weight Fittings, Add</i>	904.80		
23 21 13 23-0828	EA	5" Standard Weight, Flanged Steel, Tee.....	1,329.43		105.04
		<i>For Galvanized Fittings, Add</i>	937.60		
		<i>For Extra Heavy Weight Fittings, Add</i>	1,406.40		
23 21 13 23-0829	EA	6" Standard Weight, Flanged Steel, Tee.....	1,622.59		121.92
		<i>For Galvanized Fittings, Add</i>	1,151.90		
		<i>For Extra Heavy Weight Fittings, Add</i>	1,727.84		
23 21 13 23-0830	EA	8" Standard Weight, Flanged Steel, Tee.....	1,796.47		141.22
		<i>For Galvanized Fittings, Add</i>	1,267.75		
		<i>For Extra Heavy Weight Fittings, Add</i>	1,901.63		
<b>23 21 13 23-0831</b>		<b>Flanged Steel, Reducing Tees (23 21 13 23-0799)</b>			
23 21 13 23-0832	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee.....	840.62		70.66
		<i>For Galvanized Fittings, Add</i>	587.78		
		<i>For Extra Heavy Weight Fittings, Add</i>	881.68		
23 21 13 23-0833	EA	3" Standard Weight, Flanged Steel, Reducing Tee.....	971.11		78.15
		<i>For Galvanized Fittings, Add</i>	683.18		
		<i>For Extra Heavy Weight Fittings, Add</i>	1,024.76		
23 21 13 23-0834	EA	4" Standard Weight, Flanged Steel, Reducing Tee.....	1,671.73		89.39
		<i>For Galvanized Fittings, Add</i>	1,230.18		
		<i>For Extra Heavy Weight Fittings, Add</i>	1,845.28		
23 21 13 23-0835	EA	5" Standard Weight, Flanged Steel, Reducing Tee.....	1,806.93		101.30
		<i>For Galvanized Fittings, Add</i>	1,324.10		
		<i>For Extra Heavy Weight Fittings, Add</i>	1,986.14		
23 21 13 23-0836	EA	6" Standard Weight, Flanged Steel, Reducing Tee.....	2,271.56		116.29
		<i>For Galvanized Fittings, Add</i>	1,677.81		
		<i>For Extra Heavy Weight Fittings, Add</i>	2,516.71		
23 21 13 23-0837	EA	8" Standard Weight, Flanged Steel, Reducing Tee.....	2,836.65		130.63
		<i>For Galvanized Fittings, Add</i>	2,112.64		
		<i>For Extra Heavy Weight Fittings, Add</i>	3,168.96		
<b>23 21 13 23-0838</b>		<b>Flanged Steel, Concentric Reducers (23 21 13 23-0799)</b>			
23 21 13 23-0839	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer.....	795.79		51.26
		<i>For Galvanized Fittings, Add</i>	575.16		
		<i>For Extra Heavy Weight Fittings, Add</i>	862.74		
23 21 13 23-0840	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer.....	904.29		58.10
		<i>For Galvanized Fittings, Add</i>	653.71		
		<i>For Extra Heavy Weight Fittings, Add</i>	980.57		
23 21 13 23-0841	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer.....	1,342.58		66.25
		<i>For Galvanized Fittings, Add</i>	994.60		
		<i>For Extra Heavy Weight Fittings, Add</i>	1,491.90		
23 21 13 23-0842	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer.....	1,480.78		71.88
		<i>For Galvanized Fittings, Add</i>	1,098.41		
		<i>For Extra Heavy Weight Fittings, Add</i>	1,647.61		
23 21 13 23-0843	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer.....	1,734.61		85.65
		<i>For Galvanized Fittings, Add</i>	1,284.98		
		<i>For Extra Heavy Weight Fittings, Add</i>	1,927.48		
<b>23 21 13 23-0844</b>		<b>Flanged Steel, Eccentric Reducers (23 21 13 23-0799)</b>			
23 21 13 23-0845	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer.....	860.10		58.10
		<i>For Galvanized Fittings, Add</i>	618.36		
		<i>For Extra Heavy Weight Fittings, Add</i>	927.54		
23 21 13 23-0846	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer.....	1,169.68		66.25
		<i>For Galvanized Fittings, Add</i>	856.28		
		<i>For Extra Heavy Weight Fittings, Add</i>	1,284.42		
23 21 13 23-0847		<b>Plain End Couplings And Fittings (23 21 13 23)</b>			
		Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.			
23 21 13 23-0848		<b>Plain End Piping System Couplings (23 21 13 23-0847)</b>			
23 21 13 23-0849		<b>Plainlock Plain End Piping System Couplings (23 21 13 23-0848)</b>			
		Note: Ductile iron body with gasket, bolts and nuts.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0850	EA	1" Plainlock Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	177.06 33.72	5.63
23 21	13 23-0851	EA	1-1/2" Plainlock Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	180.34 33.72	7.77
23 21	13 23-0852	EA	2" Plainlock Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	184.14 33.72	10.31
23 21	13 23-0853	EA	2-1/2" Plainlock Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	187.37 33.72	12.46
23 21	13 23-0854	EA	3" Plainlock Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	221.50 39.80	14.99
23 21	13 23-0855	EA	4" Plainlock Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	305.72 55.15	19.96
23 21	13 23-0856	EA	6" Plainlock Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	514.32 93.12	32.52
<b>23 21 13 23-0857 Roust-A-Bout Plain End Piping System Couplings (23 21 13 23-0848)</b>					
Note: Ductile iron body with gasket, bolts and nuts.					
23 21	13 23-0858	EA	1-1/2" Roust-A-Bout Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	213.09 50.34	7.77
23 21	13 23-0859	EA	2" Roust-A-Bout Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	216.89 50.34	10.31
23 21	13 23-0860	EA	2-1/2" Roust-A-Bout Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	220.13 50.34	12.55
23 21	13 23-0861	EA	3" Roust-A-Bout Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	320.78 74.58	14.99
23 21	13 23-0862	EA	3-1/2" Roust-A-Bout Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	371.47 86.30	17.53
23 21	13 23-0863	EA	4" Roust-A-Bout Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	375.18 86.30	19.96
23 21	13 23-0864	EA	5" Roust-A-Bout Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	530.69 123.30	25.02
23 21	13 23-0865	EA	6" Roust-A-Bout Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	651.09 150.59	32.52
23 21	13 23-0866	EA	8" Roust-A-Bout Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	1,126.23 267.02	38.79
23 21	13 23-0867	EA	10" Roust-A-Bout Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	1,458.45 347.39	45.92
23 21	13 23-0868	EA	12" Roust-A-Bout Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	1,825.14 435.90	54.35
23 21	13 23-0869	EA	14" Roust-A-Bout Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	2,566.03 618.98	60.07
23 21	13 23-0870	EA	16" Roust-A-Bout Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	3,492.45 847.65	67.94
<b>23 21 13 23-0871 Plain End Piping System Fittings (23 21 13 23-0847)</b>					
Note: Cast ductile iron bodies.					
<b>23 21 13 23-0872 Plain End Piping System, 90 Degree Elbows (23 21 13 23-0871)</b>					
23 21	13 23-0873	EA	1" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	174.49 31.84	10.22
23 21	13 23-0874	EA	1-1/2" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	182.37 31.84	15.46
23 21	13 23-0875	EA	2" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	189.81 31.84	20.43
23 21	13 23-0876	EA	2-1/2" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	196.48 31.84	24.93
23 21	13 23-0877	EA	3" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	236.42 38.24	30.17
23 21	13 23-0878	EA	4" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	338.44 55.76	39.73
23 21	13 23-0879	EA	5" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,039.73 193.02	49.76
23 21	13 23-0880	EA	6" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	865.04 153.49	65.13
23 21	13 23-0881	EA	8" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,736.85 324.17	77.31
23 21	13 23-0882	EA	10" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,172.61 407.44	90.33
23 21	13 23-0883	EA	12" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,756.50 518.76	108.51
<b>23 21 13 23-0884 Plain End Piping System, 45 Degree Elbows (23 21 13 23-0871)</b>					
23 21	13 23-0885	EA	1" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	174.49 31.84	10.22
23 21	13 23-0886	EA	1-1/2" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	182.37 31.84	15.46
23 21	13 23-0887	EA	2" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	189.81 31.84	20.43
23 21	13 23-0888	EA	2-1/2" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	196.48 31.84	24.93
23 21	13 23-0889	EA	3" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	236.42 38.24	30.17
23 21	13 23-0890	EA	4" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	338.44 55.76	39.73

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0891	EA	5" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,039.73 193.02	49.76
23 21	13 23-0892	EA	6" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	.867.99 154.08	65.13
23 21	13 23-0893	EA	8" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,006.59 178.12	77.31
23 21	13 23-0894	EA	10" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,378.33 248.58	90.33
23 21	13 23-0895	EA	12" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,768.37 321.13	108.51
<b>23 21 13 23-0896 Plain End Piping System, Tees (23 21 13 23-0871)</b>					
23 21	13 23-0897	EA	1" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	.237.55 42.87	15.46
23 21	13 23-0898	EA	1-1/2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	.249.17 42.87	23.24
23 21	13 23-0899	EA	2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	.259.42 42.87	30.08
23 21	13 23-0900	EA	2-1/2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	.269.61 42.87	36.83
23 21	13 23-0901	EA	3" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	.376.39 61.70	45.26
23 21	13 23-0902	EA	4" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	.516.75 85.80	58.57
23 21	13 23-0903	EA	5" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	1,057.24 188.48	76.56
23 21	13 23-0904	EA	6" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	1,306.83 232.62	95.87
23 21	13 23-0905	EA	8" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	1,786.41 322.31	116.57
23 21	13 23-0906	EA	10" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	2,664.75 492.21	135.88
23 21	13 23-0907	EA	12" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	3,573.25 665.84	162.78
<b>23 21 13 23-0908 Plain End Piping System, Reducing Tees (23 21 13 23-0871)</b>					
23 21	13 23-0909	EA	1-1/2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	.461.04 84.74	24.93
23 21	13 23-0910	EA	2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	.468.75 84.74	30.08
23 21	13 23-0911	EA	2-1/2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	.478.94 84.74	36.83
23 21	13 23-0912	EA	3" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	.491.60 84.74	45.26
23 21	13 23-0913	EA	4" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	.713.25 125.10	58.57
23 21	13 23-0914	EA	6" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	1,205.92 212.44	95.87
23 21	13 23-0915	EA	8" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	1,573.68 279.77	116.57
23 21	13 23-0916	EA	10" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	2,360.26 431.31	135.88
23 21	13 23-0917	EA	12" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	3,486.12 648.42	162.78
<b>23 21 13 23-0918 Plain End Piping System, Wyes (23 21 13 23-0871)</b>					
23 21	13 23-0919	EA	2" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	.672.93 125.57	30.08
23 21	13 23-0920	EA	2-1/2" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	.683.12 125.57	36.83
23 21	13 23-0921	EA	3" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	.773.67 141.15	45.26
23 21	13 23-0922	EA	4" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,135.32 209.52	58.57
23 21	13 23-0923	EA	5" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,389.61 254.95	76.56
23 21	13 23-0924	EA	6" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,899.14 351.08	95.87
23 21	13 23-0925	EA	8" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	2,448.22 454.68	116.57
23 21	13 23-0926	EA	10" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	3,556.10 670.48	135.88
23 21	13 23-0927	EA	12" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	5,412.01 1,033.60	162.78
<b>23 21 13 23-0928 Plain End Piping System, Laterals (23 21 13 23-0871)</b>					
23 21	13 23-0929	EA	2" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	.717.34 134.46	30.08
23 21	13 23-0930	EA	2-1/2" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	.727.53 134.46	36.83
23 21	13 23-0931	EA	3" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	.817.78 149.97	45.26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13	23-0932	EA 4" Plain End Piping System, Lateral..... <i>For Galvanized Fittings, Add</i>	1,219.56 226.36	58.57
23 21	13	23-0933	EA 5" Plain End Piping System, Lateral..... <i>For Galvanized Fittings, Add</i>	1,590.25 295.08	76.56
23 21	13	23-0934	EA 6" Plain End Piping System, Lateral..... <i>For Galvanized Fittings, Add</i>	2,028.23 376.90	95.87
23 21	13	23-0935	EA 8" Plain End Piping System, Lateral..... <i>For Galvanized Fittings, Add</i>	2,922.36 549.50	116.57
23 21	13	23-0936	EA 10" Plain End Piping System, Lateral..... <i>For Galvanized Fittings, Add</i>	4,082.18 775.69	135.88
23 21	13	23-0937	EA 12" Plain End Piping System, Lateral..... <i>For Galvanized Fittings, Add</i>	5,490.20 1,049.23	162.78
<b>23 21 13 23-0938 Plain End Piping System, Crosses (23 21 13 23-0871)</b>					
23 21	13	23-0939	EA 2" Plain End Piping System, Cross..... <i>For Galvanized Fittings, Add</i>	797.47 91.25	45.08
23 21	13	23-0940	EA 2-1/2" Plain End Piping System, Cross..... <i>For Galvanized Fittings, Add</i>	812.74 91.25	55.20
23 21	13	23-0941	EA 3" Plain End Piping System, Cross..... <i>For Galvanized Fittings, Add</i>	948.51 105.83	67.94
23 21	13	23-0942	EA 4" Plain End Piping System, Cross..... <i>For Galvanized Fittings, Add</i>	1,294.72 145.39	87.80
23 21	13	23-0943	EA 5" Plain End Piping System, Cross..... <i>For Galvanized Fittings, Add</i>	1,824.26 206.50	114.89
23 21	13	23-0944	EA 6" Plain End Piping System, Cross..... <i>For Galvanized Fittings, Add</i>	2,396.25 272.67	143.37
23 21	13	23-0945	EA 8" Plain End Piping System, Cross..... <i>For Galvanized Fittings, Add</i>	3,058.73 349.80	173.65
23 21	13	23-0946	EA 10" Plain End Piping System, Cross..... <i>For Galvanized Fittings, Add</i>	4,387.33 510.39	202.97
23 21	13	23-0947	EA 12" Plain End Piping System, Cross..... <i>For Galvanized Fittings, Add</i>	6,253.52 735.93	244.20
<b>23 21 13 23-0948 Plain End Piping System, Adapter Nipples (23 21 13 23-0871)</b>					
Note: Plain to threaded, plain to beveled or plain to grooved.					
23 21	13	23-0949	EA 1" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	25.29 4.22	5.63
23 21	13	23-0950	EA 1-1/2" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	29.05 4.33	7.77
23 21	13	23-0951	EA 2" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	32.74 4.33	10.31
23 21	13	23-0952	EA 2-1/2" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	39.05 5.08	12.46
23 21	13	23-0953	EA 3" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	47.58 6.27	14.99
23 21	13	23-0954	EA 4" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	71.94 10.49	19.96
23 21	13	23-0955	EA 6" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	150.94 28.37	25.02
<b>23 21 13 23-0956 Plain End Piping System, Reducing (Swaged) Nipples (23 21 13 23-0871)</b>					
23 21	13	23-0957	EA 1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	76.83 14.17	13.40
23 21	13	23-0958	EA 2" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	80.59 14.17	15.93
23 21	13	23-0959	EA 2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	84.37 14.17	18.46
23 21	13	23-0960	EA 2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	83.45 14.17	17.90
23 21	13	23-0961	EA 2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	87.14 14.17	20.34
23 21	13	23-0962	EA 2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	90.88 14.17	22.77
23 21	13	23-0963	EA 3" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	99.90 17.26	20.61
23 21	13	23-0964	EA 3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	103.23 17.26	22.77
23 21	13	23-0965	EA 3" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	91.06 13.27	25.30
23 21	13	23-0966	EA 3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	98.32 13.27	30.17
23 21	13	23-0967	EA 3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	112.20 15.87	32.52
23 21	13	23-0968	EA 4" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	135.48 24.27	25.58
23 21	13	23-0969	EA 4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	138.76 24.27	27.83
23 21	13	23-0970	EA 4" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	119.00 18.38	30.36
23 21	13	23-0971	EA 4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	122.22 18.38	32.52
23 21	13	23-0972	EA 4" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	126.04 18.38	35.05
23 21	13	23-0973	EA 4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	129.69 18.38	37.48

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0974	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	323.31 67.58	35.32
23 21	13 23-0975	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	268.56 52.16	39.92
23 21	13 23-0976	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	239.20 42.92	45.08
23 21	13 23-0977	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	572.20 128.77	38.14
23 21	13 23-0978	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	575.44 128.77	40.30
23 21	13 23-0979	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	445.14 95.24	42.83
23 21	13 23-0980	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	448.47 95.24	45.08
23 21	13 23-0981	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	318.09 61.72	47.52
23 21	13 23-0982	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	321.50 61.72	49.76
23 21	13 23-0983	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	265.85 46.81	52.48
23 21	13 23-0984	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	300.81 53.67	57.45
23 21	13 23-0985	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	378.26 74.44	53.70
23 21	13 23-0986	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	385.82 74.44	58.76
23 21	13 23-0987	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	434.36 84.68	63.81
23 21	13 23-0988	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	486.66 94.92	71.31
<b>23 21 13 23-0989 Plain End Piping System, Bull Plugs (23 21 13 23-0871)</b>					
23 21	13 23-0990	EA	1" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	354.53 103.83	5.63
23 21	13 23-0991	EA	1-1/2" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	357.82 103.83	7.77
23 21	13 23-0992	EA	2" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	361.51 103.83	10.31
23 21	13 23-0993	EA	2-1/2" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	364.84 103.83	12.46
23 21	13 23-0994	EA	3" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	529.83 152.20	14.99
23 21	13 23-0995	EA	4" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	685.29 196.59	19.96
23 21	13 23-0996	EA	5" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	1,195.56 347.42	25.02
23 21	13 23-0997	EA	6" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	1,593.33 463.38	32.52
23 21	13 23-0998	EA	8" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	2,961.99 871.17	38.70
23 21	13 23-0999	EA	10" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	5,339.46 1,581.47	45.26
23 21	13 23-1000	EA	12" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	8,188.21 2,432.01	54.35
<b>23 21 13 23-1001 Carbon Steel Piping Systems (23 21 13 23)</b>					
<b>23 21 13 23-1002 Class 3,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-1001)</b>					
Note: ASTM A105					
<b>23 21 13 23-1003 90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1002)</b>					
23 21	13 23-1004	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	34.89	18.55
23 21	13 23-1005	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	39.22	20.71
23 21	13 23-1006	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	49.73	23.14
23 21	13 23-1007	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	67.29	26.24
23 21	13 23-1008	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	76.89	29.52
23 21	13 23-1009	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	104.13	37.57
23 21	13 23-1010	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	204.71	55.57
23 21	13 23-1011	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	290.83	73.09
23 21	13 23-1012	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	499.70	76.63
<b>23 21 13 23-1013 45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1002)</b>					
23 21	13 23-1014	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	38.03	18.55
23 21	13 23-1015	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	43.98	20.71
23 21	13 23-1016	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	51.19	23.14
23 21	13 23-1017	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	69.14	26.24
23 21	13 23-1018	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	81.32	29.52
23 21	13 23-1019	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	104.04	37.57
23 21	13 23-1020	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	231.83	55.57
23 21	13 23-1021	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	313.78	73.09
23 21	13 23-1022	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	489.77	76.63
<b>23 21 13 23-1023 Straight Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1002)</b>					

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1024 EA 1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB .....	42.81	23.14
23 21 13 23-1025 EA 3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB .....	51.74	26.70
23 21 13 23-1026 EA 1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB .....	68.01	31.58
23 21 13 23-1027 EA 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB .....	90.02	37.57
23 21 13 23-1028 EA 1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB .....	109.02	44.79
23 21 13 23-1029 EA 2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB .....	144.02	55.57
23 21 13 23-1030 EA 2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB .....	255.81	73.09
23 21 13 23-1031 EA 3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB .....	349.69	86.77
23 21 13 23-1032 EA 4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB .....	660.84	96.74
<b>23 21 13 23-1033 Reducing Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1002)</b>		
23 21 13 23-1034 EA 1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB .....	43.67	23.14
23 21 13 23-1035 EA 3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB .....	52.63	26.70
23 21 13 23-1036 EA 1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB .....	69.08	31.58
23 21 13 23-1037 EA 1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB .....	92.54	37.57
23 21 13 23-1038 EA 1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB .....	111.98	44.79
23 21 13 23-1039 EA 2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB .....	148.56	55.57
23 21 13 23-1040 EA 2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB .....	266.59	73.09
23 21 13 23-1041 EA 3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB .....	365.21	86.77
23 21 13 23-1042 EA 4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB .....	605.59	96.74
<b>23 21 13 23-1043 Straight Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1002)</b>		
23 21 13 23-1044 EA 1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB .....	31.02	18.55
23 21 13 23-1045 EA 3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB .....	34.94	20.71
23 21 13 23-1046 EA 1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB .....	40.62	23.14
23 21 13 23-1047 EA 1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB .....	46.74	26.24
23 21 13 23-1048 EA 1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB .....	54.34	29.52
23 21 13 23-1049 EA 2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB .....	70.93	37.57
23 21 13 23-1050 EA 2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 LB .....	120.14	55.57
23 21 13 23-1051 EA 3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB .....	160.41	73.09
23 21 13 23-1052 EA 4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB .....	216.21	76.63
<b>23 21 13 23-1053 Reducing Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1002)</b>		
23 21 13 23-1054 EA 1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB .....	32.77	18.55
23 21 13 23-1055 EA 3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB .....	36.86	20.71
23 21 13 23-1056 EA 1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB .....	43.70	23.14
23 21 13 23-1057 EA 1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB .....	50.46	26.24
23 21 13 23-1058 EA 1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB .....	59.85	29.52
23 21 13 23-1059 EA 2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB .....	76.83	37.57
23 21 13 23-1060 EA 2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB .....	133.12	55.57
23 21 13 23-1061 EA 3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB .....	186.52	73.09
23 21 13 23-1062 EA 4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB .....	270.48	76.63
<b>23 21 13 23-1063 Caps, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1002)</b>		
23 21 13 23-1064 EA 1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB .....	18.17	8.71
23 21 13 23-1065 EA 3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB .....	20.63	9.28
23 21 13 23-1066 EA 1" Cap, Carbon Steel, Socket Weld, 3,000 LB .....	24.18	10.68
23 21 13 23-1067 EA 1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB .....	28.00	11.62
23 21 13 23-1068 EA 1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB .....	31.90	11.62
23 21 13 23-1069 EA 2" Cap, Carbon Steel, Socket Weld, 3,000 LB .....	41.39	14.90
23 21 13 23-1070 EA 2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB .....	72.48	18.55
23 21 13 23-1071 EA 3" Cap, Carbon Steel, Socket Weld, 3,000 LB .....	104.05	22.40
23 21 13 23-1072 EA 4" Cap, Carbon Steel, Socket Weld, 3,000 LB .....	149.23	26.22
<b>23 21 13 23-1073 Black Cast Iron Square Head Plug (23 21 13 23-1002)</b>		
23 21 13 23-1074 EA 1/2" Square Head Plug, Black, Cast Iron .....	12.17	7.40
23 21 13 23-1075 EA 3/4" Square Head Plug, Black, Cast Iron .....	13.84	7.40
23 21 13 23-1076 EA 1" Square Head Plug, Black, Cast Iron .....	19.89	11.24
23 21 13 23-1077 EA 1-1/4" Square Head Plug, Black, Cast Iron .....	20.22	11.24
23 21 13 23-1078 EA 1-1/2" Square Head Plug, Black, Cast Iron .....	21.61	11.24
23 21 13 23-1079 EA 2" Square Head Plug, Black, Cast Iron .....	28.65	14.90
23 21 13 23-1080 EA 2-1/2" Square Head Plug, Black, Cast Iron .....	36.82	18.55
23 21 13 23-1081 EA 3" Square Head Plug, Black, Cast Iron .....	48.14	22.40
23 21 13 23-1082 EA 4" Square Head Plug, Black, Cast Iron .....	56.44	26.22
<b>23 21 13 23-1083 Unions, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1002)</b>		
23 21 13 23-1084 EA 1/2" Union, Carbon Steel, Socket Weld, 3,000 LB .....	52.95	23.14
23 21 13 23-1085 EA 3/4" Union, Carbon Steel, Socket Weld, 3,000 LB .....	58.76	26.70
23 21 13 23-1086 EA 1" Union, Carbon Steel, Socket Weld, 3,000 LB .....	74.69	31.58
23 21 13 23-1087 EA 1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB .....	94.05	37.57
23 21 13 23-1088 EA 1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB .....	113.27	44.79
23 21 13 23-1089 EA 2" Union, Carbon Steel, Socket Weld, 3,000 LB .....	141.54	55.57
23 21 13 23-1090 EA 2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB .....	239.69	60.35
23 21 13 23-1091 EA 3" Union, Carbon Steel, Socket Weld, 3,000 LB .....	321.01	73.09
<b>23 21 13 23-1092 Class 6,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-1001)</b>		
Note: ASTM A105		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 21 13 23-1093		<b>90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1092)</small>			
23 21 13 23-1094	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	38.67		18.55
23 21 13 23-1095	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	43.55		20.71
23 21 13 23-1096	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	57.71		23.14
23 21 13 23-1097	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	82.16		26.24
23 21 13 23-1098	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	94.20		29.52
23 21 13 23-1099	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	129.55		37.57
23 21 13 23-1100	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	269.19		55.57
23 21 13 23-1101	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	387.08		73.09
23 21 13 23-1102	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	704.10		76.63
23 21 13 23-1103		<b>45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1092)</small>			
23 21 13 23-1104	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	43.84		18.55
23 21 13 23-1105	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	51.28		20.71
23 21 13 23-1106	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	60.52		23.14
23 21 13 23-1107	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	86.04		26.24
23 21 13 23-1108	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	102.28		29.52
23 21 13 23-1109	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	131.08		37.57
23 21 13 23-1110	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	315.93		55.57
23 21 13 23-1111	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	429.39		73.09
23 21 13 23-1112	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	702.06		76.63
23 21 13 23-1113		<b>Straight Tees, 6,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1092)</small>			
23 21 13 23-1114	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	50.31		23.14
23 21 13 23-1115	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	62.57		26.70
23 21 13 23-1116	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	87.18		31.58
23 21 13 23-1117	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	121.27		37.57
23 21 13 23-1118	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	147.77		44.79
23 21 13 23-1119	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	200.28		55.57
23 21 13 23-1120	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	391.23		73.09
23 21 13 23-1121	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	553.03		86.77
23 21 13 23-1122	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	1,138.56		96.74
23 21 13 23-1123		<b>Reducing Tees, 6,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1092)</small>			
23 21 13 23-1124	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	43.67		23.14
23 21 13 23-1125	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	52.63		26.70
23 21 13 23-1126	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	69.08		31.58
23 21 13 23-1127	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	92.54		37.57
23 21 13 23-1128	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	111.98		44.79
23 21 13 23-1129	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	148.56		55.57
23 21 13 23-1130	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	266.59		73.09
23 21 13 23-1131	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	365.21		86.77
23 21 13 23-1132	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	605.59		96.74
23 21 13 23-1133		<b>Straight Couplings, 6,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1092)</small>			
23 21 13 23-1134	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	32.59		18.55
23 21 13 23-1135	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	36.80		20.71
23 21 13 23-1136	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	43.48		23.14
23 21 13 23-1137	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	50.35		26.24
23 21 13 23-1138	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	59.18		29.52
23 21 13 23-1139	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	78.02		37.57
23 21 13 23-1140	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	137.96		55.57
23 21 13 23-1141	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	184.99		73.09
23 21 13 23-1142	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	265.24		76.63
23 21 13 23-1143		<b>Reducing Couplings, 6,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1092)</small>			
23 21 13 23-1144	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	35.17		18.55
23 21 13 23-1145	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	39.63		20.71
23 21 13 23-1146	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	48.01		23.14
23 21 13 23-1147	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	55.82		26.24
23 21 13 23-1148	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	67.31		29.52
23 21 13 23-1149	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	86.69		37.57
23 21 13 23-1150	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	157.03		55.57
23 21 13 23-1151	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	223.45		73.09
23 21 13 23-1152	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	345.19		76.63
23 21 13 23-1153		<b>Caps, 6,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1092)</small>			
23 21 13 23-1154	EA	1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	21.62		8.71
23 21 13 23-1155	EA	3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB	25.16		9.28
23 21 13 23-1156	EA	1" Cap, Carbon Steel, Socket Weld, 6,000 LB	29.66		10.68
23 21 13 23-1157	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB	35.14		11.62
23 21 13 23-1158	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	41.67		11.62
23 21 13 23-1159	EA	2" Cap, Carbon Steel, Socket Weld, 6,000 LB	54.13		14.90
23 21 13 23-1160	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	102.50		18.55
23 21 13 23-1161	EA	3" Cap, Carbon Steel, Socket Weld, 6,000 LB	151.33		22.40
23 21 13 23-1162	EA	4" Cap, Carbon Steel, Socket Weld, 6,000 LB	222.95		26.22



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-	1163	<b>Black Cast Iron Square Head Plug</b> (23 21 13 23-1092)		
23 21	13 23-	1164	EA 1/2" Square Head Plug, Black Cast Iron .....	12.17	7.40
23 21	13 23-	1165	EA 3/4" Square Head Plug, Black Cast Iron .....	13.85	7.40
23 21	13 23-	1166	EA 1" Square Head Plug, Black Cast Iron .....	19.91	11.24
23 21	13 23-	1167	EA 1-1/4" Square Head Plug, Black Cast Iron .....	20.24	11.24
23 21	13 23-	1168	EA 1-1/2" Square Head Plug, Black Cast Iron .....	21.63	11.24
23 21	13 23-	1169	EA 2" Square Head Plug, Black Cast Iron .....	28.68	14.90
23 21	13 23-	1170	EA 2-1/2" Square Head Plug, Black Cast Iron .....	36.87	18.55
23 21	13 23-	1171	EA 3" Square Head Plug, Black Cast Iron .....	48.21	22.40
23 21	13 23-	1172	EA 4" Square Head Plug, Black Cast Iron .....	56.53	26.22
23 21	13 23-	1173	<b>Unions, 6,000 LB Carbon Steel Socket Weld</b> (23 21 13 23-1092)		
23 21	13 23-	1174	EA 1/2" Union, Carbon Steel, Socket Weld, 6,000 LB .....	64.11	23.14
23 21	13 23-	1175	EA 3/4" Union, Carbon Steel, Socket Weld, 6,000 LB .....	70.21	26.70
23 21	13 23-	1176	EA 1" Union, Carbon Steel, Socket Weld, 6,000 LB .....	91.42	31.58
23 21	13 23-	1177	EA 1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB .....	117.15	37.57
23 21	13 23-	1178	EA 1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB .....	141.46	44.79
23 21	13 23-	1179	EA 2" Union, Carbon Steel, Socket Weld, 6,000 LB .....	177.16	55.57
23 21	13 23-	1180	EA 2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB .....	330.90	60.35
23 21	13 23-	1181	EA 3" Union, Carbon Steel, Socket Weld, 6,000 LB .....	450.28	73.09
23 21	13 23-	1182	<b>Carbon Steel, Seamless Piping System</b> (23 21 13 23-1001)		
Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.					
23 21	13 23-	1183	<b>Schedule 40, Carbon Steel, Seamless Piping</b> (23 21 13 23-1182)		
Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.					
23 21	13 23-	1184	LF 1/4" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	7.10	3.47
			For Schedule 80, Add	0.68	
23 21	13 23-	1185	LF 1/2" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	7.42	3.75
			For Schedule 80, Add	0.63	
			For Schedule 160, Add	2.61	
23 21	13 23-	1186	LF 3/4" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	8.18	4.03
			For Schedule 80, Add	0.77	
			For Schedule 160, Add	3.20	
23 21	13 23-	1187	LF 1" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	8.75	4.41
			For Schedule 80, Add	0.79	
			For Schedule 160, Add	3.30	
23 21	13 23-	1188	LF 1-1/2" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	11.39	5.44
			For Schedule 80, Add	1.17	
			For Schedule 160, Add	4.86	
23 21	13 23-	1189	LF 2" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	14.12	6.55
			For Schedule 80, Add	1.53	
			For Schedule 160, Add	6.39	
23 21	13 23-	1190	<b>90 Degree Elbows, Screwed Carbon Steel</b> (23 21 13 23-1182)		
23 21	13 23-	1191	EA 1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	25.85	14.25
23 21	13 23-	1192	EA 1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	31.16	16.68
23 21	13 23-	1193	EA 3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	34.82	18.65
23 21	13 23-	1194	EA 1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	39.87	20.80
23 21	13 23-	1195	EA 1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	62.15	26.61
23 21	13 23-	1196	EA 2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	78.76	33.83
23 21	13 23-	1197	EA 1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	27.28	14.25
23 21	13 23-	1198	EA 1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	31.69	16.68
23 21	13 23-	1199	EA 3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	36.59	18.65
23 21	13 23-	1200	EA 1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	43.72	20.80
23 21	13 23-	1201	EA 1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	71.34	26.61
23 21	13 23-	1202	EA 2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	88.93	33.83
23 21	13 23-	1203	EA 1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	36.70	16.68
23 21	13 23-	1204	EA 3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	42.89	18.65
23 21	13 23-	1205	EA 1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	50.34	20.80
23 21	13 23-	1206	EA 1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	89.95	26.61
23 21	13 23-	1207	EA 2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	138.29	33.83
23 21	13 23-	1208	<b>45 Degree Elbows, Screwed Carbon Steel</b> (23 21 13 23-1182)		
23 21	13 23-	1209	EA 1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	28.87	14.25
23 21	13 23-	1210	EA 1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	32.31	16.68
23 21	13 23-	1211	EA 3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	36.31	18.65
23 21	13 23-	1212	EA 1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	41.00	20.80
23 21	13 23-	1213	EA 1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	58.47	26.61
23 21	13 23-	1214	EA 2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	84.43	33.83
23 21	13 23-	1215	EA 1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	29.10	14.25
23 21	13 23-	1216	EA 1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	33.62	16.68
23 21	13 23-	1217	EA 3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	37.82	18.65
23 21	13 23-	1218	EA 1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	44.93	20.80
23 21	13 23-	1219	EA 1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	69.92	26.61
23 21	13 23-	1220	EA 2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	92.10	33.83
23 21	13 23-	1221	EA 1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	40.16	16.68
23 21	13 23-	1222	EA 3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	49.13	18.65
23 21	13 23-	1223	EA 1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	52.68	20.80
23 21	13 23-	1224	EA 1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	103.23	26.61
23 21	13 23-	1225	EA 2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	139.16	33.83

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 21 13 23-1226		<b>Straight Tees, Screwed Carbon Steel</b> <small>(23 21 13 23-1182)</small>			
23 21 13 23-1227	EA	1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	34.44		19.77
23 21 13 23-1228	EA	1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	39.23		20.80
23 21 13 23-1229	EA	3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	46.94		24.08
23 21 13 23-1230	EA	1" Tee, Straight, 2,000 LB, Screwed Carbon Steel	57.49		28.40
23 21 13 23-1231	EA	1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	91.79		40.30
23 21 13 23-1232	EA	2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	113.81		50.04
23 21 13 23-1233	EA	1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	35.66		19.77
23 21 13 23-1234	EA	1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	40.03		20.80
23 21 13 23-1235	EA	3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	49.60		24.08
23 21 13 23-1236	EA	1" Tee, Straight, 3,000 LB, Screwed Carbon Steel	59.77		28.40
23 21 13 23-1237	EA	1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	99.68		40.30
23 21 13 23-1238	EA	2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	126.87		50.04
23 21 13 23-1239	EA	1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	46.03		20.80
23 21 13 23-1240	EA	3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel	56.05		24.08
23 21 13 23-1241	EA	1" Tee, Straight, 6,000 LB, Screwed Carbon Steel	75.73		28.40
23 21 13 23-1242	EA	1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	117.81		40.30
23 21 13 23-1243	EA	2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	184.66		50.04
23 21 13 23-1244		<b>Crosses, Screwed Carbon Steel</b> <small>(23 21 13 23-1182)</small>			
23 21 13 23-1245	EA	1/4" Cross, 2,000 LB, Screwed Carbon Steel	51.43		25.02
23 21 13 23-1246	EA	1/2" Cross, 2,000 LB, Screwed Carbon Steel	60.70		28.11
23 21 13 23-1247	EA	3/4" Cross, 2,000 LB, Screwed Carbon Steel	65.21		29.99
23 21 13 23-1248	EA	1" Cross, 2,000 LB, Screwed Carbon Steel	80.62		36.17
23 21 13 23-1249	EA	1-1/2" Cross, 2,000 LB, Screwed Carbon Steel	139.41		50.60
23 21 13 23-1250	EA	2" Cross, 2,000 LB, Screwed Carbon Steel	179.78		62.50
23 21 13 23-1251	EA	1/2" Cross, 3,000 LB, Screwed Carbon Steel	62.21		28.11
23 21 13 23-1252	EA	3/4" Cross, 3,000 LB, Screwed Carbon Steel	73.85		29.99
23 21 13 23-1253	EA	1" Cross, 3,000 LB, Screwed Carbon Steel	88.18		36.17
23 21 13 23-1254	EA	1-1/2" Cross, 3,000 LB, Screwed Carbon Steel	150.30		50.60
23 21 13 23-1255	EA	2" Cross, 3,000 LB, Screwed Carbon Steel	199.67		62.50
23 21 13 23-1256	EA	1/2" Cross, 6,000 LB, Screwed Carbon Steel	90.32		28.11
23 21 13 23-1257	EA	3/4" Cross, 6,000 LB, Screwed Carbon Steel	150.58		29.99
23 21 13 23-1258	EA	1" Cross, 6,000 LB, Screwed Carbon Steel	206.41		36.17
23 21 13 23-1259	EA	1-1/2" Cross, 6,000 LB, Screwed Carbon Steel	326.11		50.60
23 21 13 23-1260	EA	2" Cross, 6,000 LB, Screwed Carbon Steel	357.76		62.50
23 21 13 23-1261		<b>Straight Couplings, Screwed Carbon Steel</b> <small>(23 21 13 23-1182)</small>			
23 21 13 23-1262	EA	1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	24.04		14.25
23 21 13 23-1263	EA	1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	27.48		16.68
23 21 13 23-1264	EA	3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	31.40		18.65
23 21 13 23-1265	EA	1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	36.41		20.80
23 21 13 23-1266	EA	1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	52.87		26.61
23 21 13 23-1267	EA	2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	67.11		33.83
23 21 13 23-1268	EA	1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	27.65		14.25
23 21 13 23-1269	EA	1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	29.76		16.68
23 21 13 23-1270	EA	3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	33.15		18.65
23 21 13 23-1271	EA	1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	38.74		20.80
23 21 13 23-1272	EA	1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	56.43		26.61
23 21 13 23-1273	EA	2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	80.13		33.83
23 21 13 23-1274		<b>Reducing Couplings, Screwed Carbon Steel</b> <small>(23 21 13 23-1182)</small>			
23 21 13 23-1275	EA	1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	24.54		15.18
23 21 13 23-1276	EA	1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	28.66		16.68
23 21 13 23-1277	EA	3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	33.21		18.65
23 21 13 23-1278	EA	1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	38.91		20.80
23 21 13 23-1279	EA	1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	53.52		26.61
23 21 13 23-1280	EA	2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	70.62		33.83
23 21 13 23-1281	EA	1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	74.81		16.68
23 21 13 23-1282	EA	3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	77.79		18.65
23 21 13 23-1283	EA	1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	90.87		20.80
23 21 13 23-1284	EA	1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	130.38		26.61
23 21 13 23-1285	EA	2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	186.95		33.83
23 21 13 23-1286		<b>Caps, Screwed Carbon Steel</b> <small>(23 21 13 23-1182)</small>			
23 21 13 23-1287	EA	1/4" Cap, 3,000 LB, Screwed Carbon Steel	11.71		6.37
23 21 13 23-1288	EA	1/2" Cap, 3,000 LB, Screwed Carbon Steel	13.54		7.40
23 21 13 23-1289	EA	3/4" Cap, 3,000 LB, Screwed Carbon Steel	15.80		8.34
23 21 13 23-1290	EA	1" Cap, 3,000 LB, Screwed Carbon Steel	18.99		9.28
23 21 13 23-1291	EA	1-1/2" Cap, 3,000 LB, Screwed Carbon Steel	25.83		11.81
23 21 13 23-1292	EA	2" Cap, 3,000 LB, Screwed Carbon Steel	35.05		15.09
23 21 13 23-1293	EA	1/4" Cap, 6,000 LB, Screwed Carbon Steel	16.03		6.37
23 21 13 23-1294	EA	1/2" Cap, 6,000 LB, Screwed Carbon Steel	16.31		7.40
23 21 13 23-1295	EA	3/4" Cap, 6,000 LB, Screwed Carbon Steel	20.31		8.34
23 21 13 23-1296	EA	1" Cap, 6,000 LB, Screwed Carbon Steel	22.29		9.28
23 21 13 23-1297	EA	1-1/2" Cap, 6,000 LB, Screwed Carbon Steel	39.27		11.81
23 21 13 23-1298	EA	2" Cap, 6,000 LB, Screwed Carbon Steel	48.14		15.09

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 13 23-1299 Nipples, Screwed Carbon Steel (23 21 13 23-1182)</b>				
23 21 13 23-1300	EA	1/4" Nipple, 2" Long, Screwed Carbon Steel.....	14.77	8.53
23 21 13 23-1301	EA	1/2" Nipple, 2" Long, Screwed Carbon Steel.....	15.03	8.90
23 21 13 23-1302	EA	3/4" Nipple, 2" Long, Screwed Carbon Steel.....	14.92	8.90
23 21 13 23-1303	EA	1" Nipple, 2" Long, Screwed Carbon Steel.....	16.61	9.65
23 21 13 23-1304	EA	1-1/2" Nipple, 2" Long, Screwed Carbon Steel.....	18.92	10.41
23 21 13 23-1305	EA	2" Nipple, 2" Long, Screwed Carbon Steel.....	22.64	13.40
23 21 13 23-1306	EA	1/4" Nipple, 4" Long, Screwed Carbon Steel.....	15.59	8.53
23 21 13 23-1307	EA	1/2" Nipple, 4" Long, Screwed Carbon Steel.....	15.69	8.90
23 21 13 23-1308	EA	3/4" Nipple, 4" Long, Screwed Carbon Steel.....	15.66	8.90
23 21 13 23-1309	EA	1" Nipple, 4" Long, Screwed Carbon Steel.....	17.61	9.65
23 21 13 23-1310	EA	1-1/2" Nipple, 4" Long, Screwed Carbon Steel.....	20.70	10.41
23 21 13 23-1311	EA	2" Nipple, 4" Long, Screwed Carbon Steel.....	25.25	13.40
23 21 13 23-1312	EA	1/4" Nipple, 6" Long, Screwed Carbon Steel.....	17.57	8.53
23 21 13 23-1313	EA	1/2" Nipple, 6" Long, Screwed Carbon Steel.....	16.73	8.90
23 21 13 23-1314	EA	3/4" Nipple, 6" Long, Screwed Carbon Steel.....	16.82	8.90
23 21 13 23-1315	EA	1" Nipple, 6" Long, Screwed Carbon Steel.....	19.04	9.65
23 21 13 23-1316	EA	1-1/2" Nipple, 6" Long, Screwed Carbon Steel.....	23.14	10.41
23 21 13 23-1317	EA	2" Nipple, 6" Long, Screwed Carbon Steel.....	27.40	13.40
<b>23 21 13 23-1318 Unions, Screwed Carbon Steel (23 21 13 23-1182)</b>				
23 21 13 23-1319	EA	1/4" Union, 3,000 LB, Screwed Carbon Steel.....	31.03	20.71
23 21 13 23-1320	EA	1/2" Union, 3,000 LB, Screwed Carbon Steel.....	32.65	20.80
23 21 13 23-1321	EA	3/4" Union, 3,000 LB, Screwed Carbon Steel.....	37.49	24.08
23 21 13 23-1322	EA	1" Union, 3,000 LB, Screwed Carbon Steel.....	44.71	28.40
23 21 13 23-1323	EA	1-1/2" Union, 3,000 LB, Screwed Carbon Steel.....	64.02	40.30
23 21 13 23-1324	EA	2" Union, 3,000 LB, Screwed Carbon Steel.....	79.47	50.04
23 21 13 23-1325	EA	1/4" Union, 6,000 LB, Screwed Carbon Steel.....	50.17	20.71
23 21 13 23-1326	EA	1/2" Union, 6,000 LB, Screwed Carbon Steel.....	55.79	20.80
23 21 13 23-1327	EA	3/4" Union, 6,000 LB, Screwed Carbon Steel.....	65.51	24.08
23 21 13 23-1328	EA	1" Union, 6,000 LB, Screwed Carbon Steel.....	79.24	28.40
23 21 13 23-1329	EA	1-1/2" Union, 6,000 LB, Screwed Carbon Steel.....	134.62	40.30
23 21 13 23-1330	EA	2" Union, 6,000 LB, Screwed Carbon Steel.....	166.37	50.04
<b>23 21 13 23-1331 Weld Neck Flanges, Screwed Carbon Steel (23 21 13 23-1182)</b>				
23 21 13 23-1332	EA	1/2" Flange, 150 LB, Screwed Carbon Steel.....	68.25	38.70
23 21 13 23-1333	EA	3/4" Flange, 150 LB, Screwed Carbon Steel.....	71.38	40.58
23 21 13 23-1334	EA	1" Flange, 150 LB, Screwed Carbon Steel.....	74.02	42.35
23 21 13 23-1335	EA	1-1/2" Flange, 150 LB, Screwed Carbon Steel.....	82.41	47.70
23 21 13 23-1336	EA	2" Flange, 150 LB, Screwed Carbon Steel.....	85.53	49.76
23 21 13 23-1337	EA	1/2" Flange, 300 LB, Screwed Carbon Steel.....	68.89	38.70
		<i>For Ring Type Joint, Add</i>	10.82	
		<i>For Blind Flange, Deduct</i>	-25.39	
23 21 13 23-1338	EA	3/4" Flange, 300 LB, Screwed Carbon Steel.....	72.07	40.58
		<i>For Ring Type Joint, Add</i>	11.19	
		<i>For Blind Flange, Deduct</i>	-26.59	
23 21 13 23-1339	EA	1" Flange, 300 LB, Screwed Carbon Steel.....	75.06	42.35
		<i>For Ring Type Joint, Add</i>	11.54	
		<i>For Blind Flange, Deduct</i>	-27.72	
23 21 13 23-1340	EA	1-1/2" Flange, 300 LB, Screwed Carbon Steel.....	84.89	47.70
		<i>For Ring Type Joint, Add</i>	13.35	
		<i>For Blind Flange, Deduct</i>	-31.29	
23 21 13 23-1341	EA	2" Flange, 300 LB, Screwed Carbon Steel.....	88.01	49.76
		<i>For Ring Type Joint, Add</i>	13.35	
		<i>For Blind Flange, Deduct</i>	-32.53	
23 21 13 23-1342	EA	1/2" Flange, 600 LB, Screwed Carbon Steel.....	73.15	38.70
		<i>For Ring Type Joint, Add</i>	15.08	
		<i>For Blind Flange, Deduct</i>	-26.24	
23 21 13 23-1343	EA	3/4" Flange, 600 LB, Screwed Carbon Steel.....	75.96	40.58
		<i>For Ring Type Joint, Add</i>	15.08	
		<i>For Blind Flange, Deduct</i>	-27.37	
23 21 13 23-1344	EA	1" Flange, 600 LB, Screwed Carbon Steel.....	79.29	42.35
		<i>For Ring Type Joint, Add</i>	15.77	
		<i>For Blind Flange, Deduct</i>	-28.56	
23 21 13 23-1345	EA	1-1/2" Flange, 600 LB, Screwed Carbon Steel.....	90.13	47.70
		<i>For Ring Type Joint, Add</i>	18.59	
		<i>For Blind Flange, Deduct</i>	-32.33	
23 21 13 23-1346	EA	2" Flange, 600 LB, Screwed Carbon Steel.....	91.96	49.76
		<i>For Ring Type Joint, Add</i>	17.30	
		<i>For Blind Flange, Deduct</i>	-33.32	
<b>23 21 13 23-1347 Square Head Plugs, Screwed Carbon Steel (23 21 13 23-1182)</b>				
23 21 13 23-1348	EA	1/4" Square Head Plug, Screwed Carbon Steel.....	4.87	2.62
23 21 13 23-1349	EA	1/2" Square Head Plug, Screwed Carbon Steel.....	5.84	3.10
23 21 13 23-1350	EA	3/4" Square Head Plug, Screwed Carbon Steel.....	6.77	3.56
23 21 13 23-1351	EA	1" Square Head Plug, Screwed Carbon Steel.....	9.86	5.24
23 21 13 23-1352	EA	1-1/2" Square Head Plug, Screwed Carbon Steel.....	12.38	5.24
23 21 13 23-1353	EA	2" Square Head Plug, Screwed Carbon Steel.....	17.79	6.84
<b>23 21 13 23-1354 Hex Head Plugs, Screwed Carbon Steel (23 21 13 23-1182)</b>				
23 21 13 23-1355	EA	1/4" Hex Head Plug, Screwed Carbon Steel.....	4.62	2.62

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21	13 23-1356	EA	1/2" Hex Head Plug, Screwed Carbon Steel.....	5.61	3.10
23 21	13 23-1357	EA	3/4" Hex Head Plug, Screwed Carbon Steel.....	6.62	3.56
23 21	13 23-1358	EA	1" Hex Head Plug, Screwed Carbon Steel.....	9.73	5.24
23 21	13 23-1359	EA	1-1/2" Hex Head Plug, Screwed Carbon Steel.....	11.82	5.24
23 21	13 23-1360	EA	2" Hex Head Plug, Screwed Carbon Steel.....	18.18	6.84
<b>23 21</b>	<b>13 23-1361</b>		<b>Round Head Plugs, Screwed Carbon Steel</b> <small>(23 21 13 23-1182)</small>		
23 21	13 23-1362	EA	1/4" Round Head Plug, Screwed Carbon Steel.....	5.44	2.62
23 21	13 23-1363	EA	1/2" Round Head Plug, Screwed Carbon Steel.....	5.88	3.10
23 21	13 23-1364	EA	3/4" Round Head Plug, Screwed Carbon Steel.....	6.66	3.56
23 21	13 23-1365	EA	1" Round Head Plug, Screwed Carbon Steel.....	9.95	5.24
23 21	13 23-1366	EA	1-1/2" Round Head Plug, Screwed Carbon Steel.....	13.07	5.24
23 21	13 23-1367	EA	2" Round Head Plug, Screwed Carbon Steel.....	18.03	6.84
<b>23 21</b>	<b>13 23-1368</b>		<b>Hexagon Bushings, Screwed Carbon Steel</b> <small>(23 21 13 23-1182)</small>		
23 21	13 23-1369	EA	1/4" Hex Bushing, Screwed Carbon Steel.....	4.81	2.62
23 21	13 23-1370	EA	1/2" Hex Bushing, Screwed Carbon Steel.....	5.60	3.10
23 21	13 23-1371	EA	3/4" Hex Bushing, Screwed Carbon Steel.....	6.55	3.56
23 21	13 23-1372	EA	1" Hex Bushing, Screwed Carbon Steel.....	9.91	5.24
23 21	13 23-1373	EA	1-1/2" Hex Bushing, Screwed Carbon Steel.....	11.78	5.24
23 21	13 23-1374	EA	2" Hex Bushing, Screwed Carbon Steel.....	17.60	6.84
<b>23 21</b>	<b>13 23-1375</b>		<b>90 Degree Street Elbows, Screwed Carbon Steel</b> <small>(23 21 13 23-1182)</small>		
23 21	13 23-1376	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	30.43	14.25
23 21	13 23-1377	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	34.75	16.68
23 21	13 23-1378	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	40.52	18.65
23 21	13 23-1379	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	47.29	20.80
23 21	13 23-1380	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	74.23	26.61
23 21	13 23-1381	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	99.72	33.83
23 21	13 23-1382	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	47.83	16.68
23 21	13 23-1383	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	67.11	18.65
23 21	13 23-1384	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	91.79	20.80
23 21	13 23-1385	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	196.64	26.61
<b>23 21</b>	<b>13 23-1386</b>		<b>Screwed Carbon Steel Laterals</b> <small>(23 21 13 23-1182)</small>		
23 21	13 23-1387	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	121.32	20.80
23 21	13 23-1388	EA	3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	145.71	24.08
23 21	13 23-1389	EA	1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	178.11	28.40
23 21	13 23-1390	EA	1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	229.66	40.30
23 21	13 23-1391	EA	2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	286.48	50.04
23 21	13 23-1392	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	151.88	20.80
23 21	13 23-1393	EA	3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	191.15	24.08
23 21	13 23-1394	EA	1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	226.69	28.40
23 21	13 23-1395	EA	1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	318.98	40.30
<b>23 21</b>	<b>13 23-1396</b>		<b>Grooved-Joint Pipe</b> <small>(23 21 13 23)</small>		
Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.					
<b>23 21</b>	<b>13 23-1397</b>		<b>Schedule 10 Black Grooved Pipe</b> <small>(23 21 13 23-1396)</small>		
23 21	13 23-1398	LF	2" Black Schedule 10 Grooved Pipe.....	27.28	11.90
23 21	13 23-1399	LF	2-1/2" Black Schedule 10 Grooved Pipe.....	36.75	16.31
23 21	13 23-1400	LF	3" Black Schedule 10 Grooved Pipe.....	41.30	18.09
23 21	13 23-1401	LF	3-1/2" Black Schedule 10 Grooved Pipe.....	46.30	18.75
23 21	13 23-1402	LF	4" Black Schedule 10 Grooved Pipe.....	49.09	20.34
23 21	13 23-1403	LF	5" Black Schedule 10 Grooved Pipe.....	70.04	24.93
23 21	13 23-1404	LF	6" Black Schedule 10 Grooved Pipe.....	89.68	35.43
23 21	13 23-1405	LF	8" Black Schedule 10 Grooved Pipe.....	124.19	39.73
23 21	13 23-1406	LF	10" Black Schedule 10 Grooved Pipe.....	156.06	47.89
23 21	13 23-1407	LF	12" Black Schedule 10 Grooved Pipe.....	180.22	54.26
<b>23 21</b>	<b>13 23-1408</b>		<b>Schedule 40 Black Grooved Pipe</b> <small>(23 21 13 23-1396)</small>		
23 21	13 23-1409	LF	3/4" Black Schedule 40 Grooved Pipe.....	16.34	7.22
23 21	13 23-1410	LF	1" Black Schedule 40 Grooved Pipe.....	18.46	8.15
23 21	13 23-1411	LF	1-1/4" Black Schedule 40 Grooved Pipe.....	21.07	8.81
23 21	13 23-1412	LF	1-1/2" Black Schedule 40 Grooved Pipe.....	23.97	10.02
23 21	13 23-1413	LF	2" Black Schedule 40 Grooved Pipe.....	30.20	12.75
23 21	13 23-1414	LF	2-1/2" Black Schedule 40 Grooved Pipe.....	42.11	17.43
23 21	13 23-1415	LF	3" Black Schedule 40 Grooved Pipe.....	49.84	19.87
23 21	13 23-1416	LF	4" Black Schedule 40 Grooved Pipe.....	61.58	22.11
23 21	13 23-1417	LF	5" Black Schedule 40 Grooved Pipe.....	85.46	26.89
23 21	13 23-1418	LF	6" Black Schedule 40 Grooved Pipe.....	114.47	38.79
23 21	13 23-1419	LF	8" Black Schedule 40 Grooved Pipe.....	153.41	43.95
23 21	13 23-1420	LF	10" Black Schedule 40 Grooved Pipe.....	213.03	52.48
23 21	13 23-1421	LF	12" Black Schedule 40 Grooved Pipe.....	251.23	60.25
23 21	13 23-1422	LF	14" Black Schedule 40 Grooved Pipe.....	331.28	81.44
23 21	13 23-1423	LF	16" Black Schedule 40 Grooved Pipe.....	384.04	95.77
23 21	13 23-1424	LF	18" Black Schedule 40 Grooved Pipe.....	477.26	116.29
23 21	13 23-1425	LF	20" Black Schedule 40 Grooved Pipe.....	550.04	135.60
23 21	13 23-1426	LF	24" Black Schedule 40 Grooved Pipe.....	721.88	162.78

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 13 23-1427 Schedule 80 Black Grooved Pipe (23 21 13 23-1396)				
23 21 13 23-1428	LF	3/4" Black Schedule 80 Grooved Pipe .....	17.91	7.88
23 21 13 23-1429	LF	1" Black Schedule 80 Grooved Pipe .....	19.95	8.34
23 21 13 23-1430	LF	1-1/4" Black Schedule 80 Grooved Pipe .....	23.53	9.28
23 21 13 23-1431	LF	1-1/2" Black Schedule 80 Grooved Pipe .....	26.81	10.41
23 21 13 23-1432	LF	2" Black Schedule 80 Grooved Pipe .....	34.70	13.40
23 21 13 23-1433	LF	2-1/2" Black Schedule 80 Grooved Pipe .....	48.96	18.46
23 21 13 23-1434	LF	3" Black Schedule 80 Grooved Pipe .....	58.64	20.71
23 21 13 23-1435	LF	4" Black Schedule 80 Grooved Pipe .....	74.32	22.59
23 21 13 23-1436	LF	5" Black Schedule 80 Grooved Pipe .....	114.69	28.40
23 21 13 23-1437	LF	6" Black Schedule 80 Grooved Pipe .....	148.61	40.67
23 21 13 23-1438	LF	8" Black Schedule 80 Grooved Pipe .....	225.13	46.48
23 21 13 23-1439	LF	10" Black Schedule 80 Grooved Pipe .....	280.53	56.13
23 21 13 23-1440	LF	12" Black Schedule 80 Grooved Pipe .....	293.82	67.85

23 21 13 23-1441 Schedule 40 Galvanized Grooved Pipe (23 21 13 23-1396)				
23 21 13 23-1442	LF	3/4" Galvanized Schedule 40 Grooved Pipe .....	16.93	7.22
23 21 13 23-1443	LF	1" Galvanized Schedule 40 Grooved Pipe .....	19.69	8.15
23 21 13 23-1444	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe .....	22.00	8.81
23 21 13 23-1445	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe .....	25.05	10.02
23 21 13 23-1446	LF	2" Galvanized Schedule 40 Grooved Pipe .....	31.65	12.75
23 21 13 23-1447	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe .....	44.44	17.43
23 21 13 23-1448	LF	3" Galvanized Schedule 40 Grooved Pipe .....	52.96	19.87
23 21 13 23-1449	LF	4" Galvanized Schedule 40 Grooved Pipe .....	65.99	22.11
23 21 13 23-1450	LF	5" Galvanized Schedule 40 Grooved Pipe .....	93.77	26.89
23 21 13 23-1451	LF	6" Galvanized Schedule 40 Grooved Pipe .....	125.82	38.79
23 21 13 23-1452	LF	8" Galvanized Schedule 40 Grooved Pipe .....	169.02	43.95
23 21 13 23-1453	LF	10" Galvanized Schedule 40 Grooved Pipe .....	240.67	52.48
23 21 13 23-1454	LF	12" Galvanized Schedule 40 Grooved Pipe .....	284.71	60.25

23 21 13 23-1455 Schedule 80 Galvanized Grooved Pipe (23 21 13 23-1396)				
23 21 13 23-1456	LF	3/4" Galvanized Schedule 80 Grooved Pipe .....	18.16	7.88
23 21 13 23-1457	LF	1" Galvanized Schedule 80 Grooved Pipe .....	24.14	8.34
23 21 13 23-1458	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe .....	24.20	9.28
23 21 13 23-1459	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe .....	31.90	11.06
23 21 13 23-1460	LF	2" Galvanized Schedule 80 Grooved Pipe .....	35.87	13.40
23 21 13 23-1461	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe .....	50.93	18.46
23 21 13 23-1462	LF	3" Galvanized Schedule 80 Grooved Pipe .....	61.62	20.71
23 21 13 23-1463	LF	4" Galvanized Schedule 80 Grooved Pipe .....	78.44	22.59
23 21 13 23-1464	LF	5" Galvanized Schedule 80 Grooved Pipe .....	119.53	28.40
23 21 13 23-1465	LF	6" Galvanized Schedule 80 Grooved Pipe .....	153.97	40.67
23 21 13 23-1466	LF	8" Galvanized Schedule 80 Grooved Pipe .....	233.84	46.48
23 21 13 23-1467	LF	10" Galvanized Schedule 80 Grooved Pipe .....	278.11	56.13
23 21 13 23-1468	LF	12" Galvanized Schedule 80 Grooved Pipe .....	303.67	67.85

23 21 13 23-1469 Painted Grooved-Joint Pipe Fittings (23 21 13 23)

Note: Couplings are not included with fittings.

23 21 13 23-1470 Grooved Elbows (23 21 13 23-1469)

23 21 13 23-1471 90 Degree Grooved Elbows (23 21 13 23-1470)

Note: Victaulic No. 10

23 21 13 23-1472	EA	3/4", Ductile Iron, Grooved 90 Degree Elbow .....	101.27	10.22
		For Galvanized Fittings, Add .....	28.37	
23 21 13 23-1473	EA	1", Ductile Iron, Grooved 90 Degree Elbow .....	101.27	10.22
		For Galvanized Fittings, Add .....	28.37	
23 21 13 23-1474	EA	1-1/4", Ductile Iron, Grooved 90 Degree Elbow .....	105.10	12.75
		For Galvanized Fittings, Add .....	28.37	
23 21 13 23-1475	EA	1-1/2", Ductile Iron, Grooved 90 Degree Elbow .....	109.16	15.46
		For Galvanized Fittings, Add .....	28.37	
23 21 13 23-1476	EA	2", Ductile Iron, Grooved 90 Degree Elbow .....	116.59	20.43
		For Galvanized Fittings, Add .....	28.37	
23 21 13 23-1477	EA	2-1/2", Ductile Iron, Grooved 90 Degree Elbow .....	123.26	24.93
		For Galvanized Fittings, Add .....	28.37	
23 21 13 23-1478	EA	3", Ductile Iron, Grooved 90 Degree Elbow .....	197.93	30.17
		For Galvanized Fittings, Add .....	50.39	
23 21 13 23-1479	EA	4", Ductile Iron, Grooved 90 Degree Elbow .....	226.02	39.82
		For Galvanized Fittings, Add .....	54.89	
23 21 13 23-1480	EA	5", Ductile Iron, Grooved 90 Degree Elbow .....	479.49	49.76
		For Galvanized Fittings, Add .....	133.61	
23 21 13 23-1481	EA	6", Ductile Iron, Grooved 90 Degree Elbow .....	568.14	65.13
		For Galvanized Fittings, Add .....	155.27	
23 21 13 23-1482	EA	8", Ductile Iron, Grooved 90 Degree Elbow .....	1,106.52	77.50
		For Galvanized Fittings, Add .....	326.80	
23 21 13 23-1483	EA	10", Ductile Iron, Grooved 90 Degree Elbow .....	1,678.49	90.43
		For Galvanized Fittings, Add .....	509.16	
23 21 13 23-1484	EA	12", Ductile Iron, Grooved 90 Degree Elbow .....	2,635.73	108.51
		For Galvanized Fittings, Add .....	816.10	
23 21 13 23-1485	EA	14", Steel, Grooved 90 Degree Elbow .....	5,326.69	122.48
		For Galvanized Fittings, Add .....	1,697.20	
23 21 13 23-1486	EA	16", Steel, Grooved 90 Degree Elbow .....	6,933.03	135.60
		For Galvanized Fittings, Add .....	2,220.80	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1487	EA		18", Steel, Grooved 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	8,757.30 2,816.62	148.15
23 21 13 23-1488	EA		20", Steel, Grooved 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	11,447.19 3,701.33	154.06
23 21 13 23-1489	EA		24", Steel, Grooved 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	16,413.36 5,326.31	182.17
<b>23 21 13 23-1490</b>			<b>45 Degree Grooved Elbows</b> (23 21 13 23-1470) Note: Victaulic No. 11		
23 21 13 23-1491	EA		3/4", Ductile Iron, Grooved 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	101.21 20.62	10.22
23 21 13 23-1492	EA		1", Ductile Iron, Grooved 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	101.21 20.62	10.22
23 21 13 23-1493	EA		1-1/4", Ductile Iron, Grooved 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	105.04 20.62	12.75
23 21 13 23-1494	EA		1-1/2", Ductile Iron, Grooved 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	109.10 20.62	15.46
23 21 13 23-1495	EA		2", Ductile Iron, Grooved 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	116.53 20.62	20.43
23 21 13 23-1496	EA		2-1/2", Ductile Iron, Grooved 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	123.20 20.62	24.93
23 21 13 23-1497	EA		3", Ductile Iron, Grooved 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	197.87 36.64	30.17
23 21 13 23-1498	EA		4", Ductile Iron, Grooved 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	226.02 39.92	39.82
23 21 13 23-1499	EA		5", Ductile Iron, Grooved 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	479.49 97.17	49.76
23 21 13 23-1500	EA		6", Ductile Iron, Grooved 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	568.14 112.93	65.13
23 21 13 23-1501	EA		8", Ductile Iron, Grooved 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,106.52 237.67	77.50
23 21 13 23-1502	EA		10", Ductile Iron, Grooved 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,678.49 370.30	90.43
23 21 13 23-1503	EA		12", Ductile Iron, Grooved 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	2,635.73 593.53	108.51
23 21 13 23-1504	EA		14", Steel, Grooved 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	5,326.69 1,234.32	122.48
23 21 13 23-1505	EA		16", Steel, Grooved 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	6,933.03 1,615.13	135.60
23 21 13 23-1506	EA		18", Steel, Grooved 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	8,757.30 2,048.45	148.15
23 21 13 23-1507	EA		20", Steel, Grooved 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	11,447.61 2,691.88	154.34
23 21 13 23-1508	EA		24", Steel, Grooved 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	16,413.36 3,873.68	182.17
<b>23 21 13 23-1509</b>			<b>22-1/2 Degree Grooved Elbows</b> (23 21 13 23-1470) Note: Victaulic No. 12		
23 21 13 23-1510	EA		1", Ductile Iron, Grooved 22-1/2 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	106.87 21.97	10.22
23 21 13 23-1511	EA		1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	110.70 21.97	12.75
23 21 13 23-1512	EA		1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	114.76 21.97	15.46
23 21 13 23-1513	EA		2", Ductile Iron, Grooved 22-1/2 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	122.19 21.97	20.43
23 21 13 23-1514	EA		2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	128.86 21.97	24.93
23 21 13 23-1515	EA		3", Ductile Iron, Grooved 22-1/2 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	179.13 32.14	30.17
23 21 13 23-1516	EA		4", Ductile Iron, Grooved 22-1/2 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	239.25 43.09	39.82
23 21 13 23-1517	EA		5", Ductile Iron, Grooved 22-1/2 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	631.44 133.64	49.76
23 21 13 23-1518	EA		6", Ductile Iron, Grooved 22-1/2 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	606.30 122.09	65.13
23 21 13 23-1519	EA		8", Ductile Iron, Grooved 22-1/2 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,180.55 255.44	77.50
23 21 13 23-1520	EA		10", Steel, Grooved 22-1/2 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,596.79 350.69	90.43
23 21 13 23-1521	EA		12", Steel, Grooved 22-1/2 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	2,138.12 474.10	108.51
23 21 13 23-1522	EA		14", Steel, Grooved 22-1/2 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	2,465.33 547.60	122.48
23 21 13 23-1523	EA		16", Steel, Grooved 22-1/2 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	2,939.88 656.77	135.60
23 21 13 23-1524	EA		18", Steel, Grooved 22-1/2 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	3,536.24 795.40	148.15
23 21 13 23-1525	EA		20", Steel, Grooved 22-1/2 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	4,149.25 940.37	154.06
23 21 13 23-1526	EA		24", Steel, Grooved 22-1/2 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	5,538.28 1,263.66	182.17
<b>23 21 13 23-1527</b>			<b>11-1/4 Degree Grooved Elbows</b> (23 21 13 23-1470) Note: Victaulic No. 13		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1528	EA	1", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	106.87 21.97	10.22
23 21	13 23-1529	EA	1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	110.70 21.97	12.75
23 21	13 23-1530	EA	1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	114.76 21.97	15.46
23 21	13 23-1531	EA	2", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	122.19 21.97	20.43
23 21	13 23-1532	EA	2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	128.86 21.97	24.93
23 21	13 23-1533	EA	3", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	179.12 32.14	30.17
23 21	13 23-1534	EA	4", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	239.24 43.09	39.82
23 21	13 23-1535	EA	5", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	631.42 133.63	49.76
23 21	13 23-1536	EA	6", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	606.27 122.08	65.13
23 21	13 23-1537	EA	8", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,180.48 255.42	77.50
23 21	13 23-1538	EA	10", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,596.71 350.67	90.43
23 21	13 23-1539	EA	12", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,138.01 474.07	108.51
23 21	13 23-1540	EA	14", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,465.22 547.57	122.48
23 21	13 23-1541	EA	16", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,939.77 656.73	135.69
23 21	13 23-1542	EA	18", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	3,536.04 795.36	148.15
23 21	13 23-1543	EA	20", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	4,149.03 940.32	154.06
23 21	13 23-1544	EA	24", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	5,538.00 1,263.59	182.17
<b>23 21 13 23-1545 90 Degree Grooved Long Radius Elbows (23 21 13 23-1470)</b>					
Note: Victaulic No. 100					
23 21	13 23-1546	EA	2", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	227.15 47.16	20.43
23 21	13 23-1547	EA	2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	607.54 136.86	24.93
23 21	13 23-1548	EA	3", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	241.74 47.16	30.17
23 21	13 23-1549	EA	4", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	354.08 70.65	39.82
23 21	13 23-1550	EA	5", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	1,583.53 362.14	49.76
23 21	13 23-1551	EA	6", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	958.82 206.69	65.13
23 21	13 23-1552	EA	8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	2,181.95 495.78	77.50
23 21	13 23-1553	EA	10", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	4,418.73 1,027.96	90.43
23 21	13 23-1554	EA	12", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	5,270.36 1,225.84	108.51
<b>23 21 13 23-1555 Grooved Tees, Wyes And Crosses (23 21 13 23-1469)</b>					
<b>23 21 13 23-1556 Grooved Tees (23 21 13 23-1556)</b>					
Note: Victaulic No. 20					
23 21	13 23-1557	EA	3/4", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	151.50 39.41	13.40
23 21	13 23-1558	EA	1", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	154.55 39.41	15.46
23 21	13 23-1559	EA	1-1/4", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	159.71 39.41	18.93
23 21	13 23-1560	EA	1-1/2", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	166.15 39.41	23.24
23 21	13 23-1561	EA	2", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	176.39 39.41	30.08
23 21	13 23-1562	EA	2-1/2", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	186.62 39.41	36.83
23 21	13 23-1563	EA	3", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	251.83 55.20	45.26
23 21	13 23-1564	EA	4", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	370.02 84.68	58.57
23 21	13 23-1565	EA	5", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	776.99 198.66	76.56
23 21	13 23-1566	EA	6", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	908.88 229.60	95.77
23 21	13 23-1567	EA	8", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	1,846.10 501.54	116.29
23 21	13 23-1568	EA	10", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	3,188.70 895.60	135.60
23 21	13 23-1569	EA	12", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	4,423.50 1,253.84	162.78

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1570	EA	14", Steel, Grooved Tee..... <i>For Galvanized Fittings, Add</i>	4,830.57 1,367.83	180.86
23 21	13 23-1571	EA	16", Steel, Grooved Tee..... <i>For Galvanized Fittings, Add</i>	6,080.54 1,742.35	181.89
23 21	13 23-1572	EA	18", Steel, Grooved Tee..... <i>For Galvanized Fittings, Add</i>	7,574.15 2,182.01	200.63
23 21	13 23-1573	EA	20", Steel, Grooved Tee..... <i>For Galvanized Fittings, Add</i>	10,727.06 3,126.46	203.82
23 21	13 23-1574	EA	24", Steel, Grooved Tee..... <i>For Galvanized Fittings, Add</i>	16,387.71 4,803.68	250.40
<b>23 21 13 23-1575 Grooved Wyes (90 Degree True Wye) (23 21 13 23-1555)</b>					
Note: Victaulic No. 33					
23 21	13 23-1576	EA	1", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	577.42 88.68	15.46
23 21	13 23-1577	EA	1-1/4", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	582.58 88.68	18.93
23 21	13 23-1578	EA	1-1/2", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	589.02 88.68	23.24
23 21	13 23-1579	EA	2", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	599.26 88.68	30.08
23 21	13 23-1580	EA	2-1/2", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	609.49 88.68	36.83
23 21	13 23-1581	EA	3", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	730.31 106.00	45.26
23 21	13 23-1582	EA	4", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	955.51 138.84	58.57
23 21	13 23-1583	EA	5", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	1,358.57 199.00	76.56
23 21	13 23-1584	EA	6", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	1,682.46 246.23	95.77
23 21	13 23-1585	EA	8", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	2,390.77 354.63	116.29
23 21	13 23-1586	EA	10", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	4,028.93 612.09	135.60
23 21	13 23-1587	EA	12", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	4,470.40 676.22	162.78
23 21	13 23-1588	EA	14", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	5,097.19 772.17	180.86
23 21	13 23-1589	EA	16", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	6,540.82 1,002.95	181.70
23 21	13 23-1590	EA	18", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	7,471.44 1,147.25	200.82
23 21	13 23-1591	EA	20", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	10,704.44 1,663.90	203.44
23 21	13 23-1592	EA	24", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	16,543.59 2,586.90	250.40
<b>23 21 13 23-1593 Grooved Crosses (23 21 13 23-1555)</b>					
Note: Victaulic No. 35					
23 21	13 23-1594	EA	3/4", Steel, Grooved Cross..... <i>For Galvanized Fittings, Add</i>	389.04 53.82	20.15
23 21	13 23-1595	EA	1", Steel, Grooved Cross..... <i>For Galvanized Fittings, Add</i>	393.62 53.82	23.24
23 21	13 23-1596	EA	1-1/4", Steel, Grooved Cross..... <i>For Galvanized Fittings, Add</i>	475.60 64.96	28.40
23 21	13 23-1597	EA	1-1/2", Steel, Grooved Cross..... <i>For Galvanized Fittings, Add</i>	518.85 70.00	34.86
23 21	13 23-1598	EA	2", Steel, Grooved Cross..... <i>For Galvanized Fittings, Add</i>	331.27 39.56	45.08
23 21	13 23-1599	EA	2-1/2", Steel, Grooved Cross..... <i>For Galvanized Fittings, Add</i>	346.62 39.56	55.29
23 21	13 23-1600	EA	3", Steel, Grooved Cross..... <i>For Galvanized Fittings, Add</i>	575.63 71.08	67.85
23 21	13 23-1601	EA	4", Steel, Grooved Cross..... <i>For Galvanized Fittings, Add</i>	920.52 118.33	87.80
23 21	13 23-1602	EA	5", Steel, Grooved Cross..... <i>For Galvanized Fittings, Add</i>	1,783.75 241.74	114.80
23 21	13 23-1603	EA	6", Steel, Grooved Cross..... <i>For Galvanized Fittings, Add</i>	2,288.77 311.02	143.66
23 21	13 23-1604	EA	8", Steel, Grooved Cross..... <i>For Galvanized Fittings, Add</i>	2,992.20 409.61	174.39
23 21	13 23-1605	EA	10", Steel, Grooved Cross..... <i>For Galvanized Fittings, Add</i>	4,962.46 698.61	203.44
23 21	13 23-1606	EA	12", Steel, Grooved Cross..... <i>For Galvanized Fittings, Add</i>	7,087.08 1,008.15	244.20
23 21	13 23-1607	EA	14", Steel, Grooved Cross..... <i>For Galvanized Fittings, Add</i>	7,370.06 1,044.50	271.29
23 21	13 23-1608	EA	16", Steel, Grooved Cross..... <i>For Galvanized Fittings, Add</i>	9,518.22 1,366.37	272.88
23 21	13 23-1609	EA	18", Steel, Grooved Cross..... <i>For Galvanized Fittings, Add</i>	11,616.81 1,674.85	300.91
23 21	13 23-1610	EA	20", Steel, Grooved Cross..... <i>For Galvanized Fittings, Add</i>	16,276.80 2,372.79	305.59
23 21	13 23-1611	EA	24", Steel, Grooved Cross..... <i>For Galvanized Fittings, Add</i>	24,983.58 3,663.06	375.59



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 13 23-1612 Grooved Reducing Tees (23 21 13 23-1555)

Note: Victaulic No. 25

23 21 13 23-1613	EA	1", Steel, Grooved Reducing Tee.....	276.65	15.46
		For Galvanized Fittings, Add	50.69	
23 21 13 23-1614	EA	1-1/4", Steel, Grooved Reducing Tee.....	289.77	18.93
		For Galvanized Fittings, Add	52.28	
23 21 13 23-1615	EA	1-1/2", Steel, Grooved Reducing Tee.....	302.72	23.24
		For Galvanized Fittings, Add	53.58	
23 21 13 23-1616	EA	2", Steel, Grooved Reducing Tee.....	358.70	30.08
		For Galvanized Fittings, Add	62.73	
23 21 13 23-1617	EA	2-1/2", Steel, Grooved Reducing Tee.....	401.21	36.83
		For Galvanized Fittings, Add	69.19	
23 21 13 23-1618	EA	3", Steel, Grooved Reducing Tee.....	446.47	45.26
		For Galvanized Fittings, Add	75.73	
23 21 13 23-1619	EA	4", Steel, Grooved Reducing Tee.....	598.43	58.57
		For Galvanized Fittings, Add	102.13	
23 21 13 23-1620	EA	5", Steel, Grooved Reducing Tee.....	789.08	76.56
		For Galvanized Fittings, Add	134.86	
23 21 13 23-1621	EA	6", Steel, Grooved Reducing Tee.....	1,092.10	95.77
		For Galvanized Fittings, Add	189.71	
23 21 13 23-1622	EA	8", Steel, Grooved Reducing Tee.....	1,739.42	116.29
		For Galvanized Fittings, Add	313.02	
23 21 13 23-1623	EA	10", Steel, Grooved Reducing Tee.....	2,510.66	135.60
		For Galvanized Fittings, Add	461.46	
23 21 13 23-1624	EA	12", Steel, Grooved Reducing Tee.....	3,647.68	162.78
		For Galvanized Fittings, Add	680.73	
23 21 13 23-1625	EA	14", Steel, Grooved Reducing Tee.....	4,136.96	180.86
		For Galvanized Fittings, Add	773.16	
23 21 13 23-1626	EA	16", Steel, Grooved Reducing Tee.....	5,294.32	181.89
		For Galvanized Fittings, Add	1,004.32	
23 21 13 23-1627	EA	18", Steel, Grooved Reducing Tee.....	6,448.43	200.63
		For Galvanized Fittings, Add	1,229.54	
23 21 13 23-1628	EA	20", Steel, Grooved Reducing Tee.....	9,097.75	203.73
		For Galvanized Fittings, Add	1,758.46	
23 21 13 23-1629	EA	24", Steel, Grooved Reducing Tee.....	14,538.03	250.40
		For Galvanized Fittings, Add	2,832.52	

23 21 13 23-1630 Grooved 45 Degree Lateral Wyes (23 21 13 23-1555)

Note: Victaulic No. 30

23 21 13 23-1631	EA	3/4", Steel, Grooved, 45 Degree Lateral Wye.....	545.00	13.40
		For Galvanized Fittings, Add	94.47	
23 21 13 23-1632	EA	1", Steel, Grooved, 45 Degree Lateral Wye.....	548.05	15.46
		For Galvanized Fittings, Add	94.47	
23 21 13 23-1633	EA	1-1/4", Steel, Grooved, 45 Degree Lateral Wye.....	553.21	18.93
		For Galvanized Fittings, Add	94.47	
23 21 13 23-1634	EA	1-1/2", Steel, Grooved, 45 Degree Lateral Wye.....	559.65	23.24
		For Galvanized Fittings, Add	94.47	
23 21 13 23-1635	EA	2", Steel, Grooved, 45 Degree Lateral Wye.....	569.89	30.08
		For Galvanized Fittings, Add	94.47	
23 21 13 23-1636	EA	2-1/2", Steel, Grooved, 45 Degree Lateral Wye.....	580.12	36.83
		For Galvanized Fittings, Add	94.47	
23 21 13 23-1637	EA	3", Steel, Grooved, 45 Degree Lateral Wye.....	521.25	45.26
		For Galvanized Fittings, Add	81.62	
23 21 13 23-1638	EA	3-1/2", Steel, Grooved, 45 Degree Lateral Wye.....	846.40	52.19
		For Galvanized Fittings, Add	138.28	
23 21 13 23-1639	EA	4", Steel, Grooved, 45 Degree Lateral Wye.....	982.00	58.57
		For Galvanized Fittings, Add	160.96	
23 21 13 23-1640	EA	5", Steel, Grooved, 45 Degree Lateral Wye.....	1,421.66	76.56
		For Galvanized Fittings, Add	235.24	
23 21 13 23-1641	EA	6", Steel, Grooved, 45 Degree Lateral Wye.....	2,249.15	95.77
		For Galvanized Fittings, Add	379.01	
23 21 13 23-1642	EA	8", Steel, Grooved, 45 Degree Lateral Wye.....	3,207.15	116.29
		For Galvanized Fittings, Add	545.91	
23 21 13 23-1643	EA	10", Steel, Grooved, 45 Degree Lateral Wye.....	4,484.15	135.60
		For Galvanized Fittings, Add	770.54	
23 21 13 23-1644	EA	12", Steel, Grooved, 45 Degree Lateral Wye.....	5,419.70	162.78
		For Galvanized Fittings, Add	931.62	
23 21 13 23-1645	EA	14", Steel, Grooved, 45 Degree Lateral Wye.....	7,825.37	180.86
		For Galvanized Fittings, Add	1,359.76	
23 21 13 23-1646	EA	16", Steel, Grooved, 45 Degree Lateral Wye.....	9,709.98	181.89
		For Galvanized Fittings, Add	1,698.71	
23 21 13 23-1647	EA	18", Steel, Grooved, 45 Degree Lateral Wye.....	10,850.44	200.63
		For Galvanized Fittings, Add	1,898.95	
23 21 13 23-1648	EA	20", Steel, Grooved, 45 Degree Lateral Wye.....	16,307.58	203.73
		For Galvanized Fittings, Add	2,880.39	
23 21 13 23-1649	EA	24", Steel, Grooved, 45 Degree Lateral Wye.....	25,241.57	250.40
		For Galvanized Fittings, Add	4,475.90	

23 21 13 23-1650 Grooved 45 Degree Lateral Reducing Wyes (23 21 13 23-1555)

Note: Victaulic No. 30R

23 21 13 23-1651	EA	3", Steel, Grooved 45 Degree Lateral Reducing Wye.....	521.25	45.26
		For Galvanized Fittings, Add	58.95	
23 21 13 23-1652	EA	4", Steel, Grooved 45 Degree Lateral Reducing Wye.....	982.00	58.57
		For Galvanized Fittings, Add	116.25	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1653	EA	5", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	1,421.66 169.89	76.56
23 21	13 23-1654	EA	6", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	1,832.03 219.50	95.77
23 21	13 23-1655	EA	8", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	2,611.79 316.87	116.29
23 21	13 23-1656	EA	10", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	3,188.58 388.08	135.60
23 21	13 23-1657	EA	12", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	3,871.81 471.61	162.78
23 21	13 23-1658	EA	14", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	4,335.18 528.32	180.86
23 21	13 23-1659	EA	16", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	5,525.85 682.91	181.89
23 21	13 23-1660	EA	18", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	8,366.91 1,048.60	200.63
23 21	13 23-1661	EA	20", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	12,112.22 1,534.88	203.73
23 21	13 23-1662	EA	24", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	19,491.06 2,485.03	250.40
23 21	13 23-1663		<b>Mechanical-T Outlet</b> <small>(23 21 13 23-1555)</small> Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.		
23 21	13 23-1664	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet <i>For Galvanized Fittings, Add</i>	154.75 21.65	33.73
23 21	13 23-1665	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet <i>For Galvanized Fittings, Add</i>	154.75 21.65	33.73
23 21	13 23-1666	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet <i>For Galvanized Fittings, Add</i>	168.38 25.03	33.73
23 21	13 23-1667	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	168.38	33.73
23 21	13 23-1668	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	163.18	37.96
23 21	13 23-1669	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	163.18	37.96
23 21	13 23-1670	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	199.16	37.96
23 21	13 23-1671	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	184.85	42.17
23 21	13 23-1672	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet	184.85	42.17
23 21	13 23-1673	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	213.81	42.17
23 21	13 23-1674	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	213.81	42.17
23 21	13 23-1675	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet	233.65	42.17
23 21	13 23-1676	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	240.60	56.23
23 21	13 23-1677	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet	240.60	56.23
23 21	13 23-1678	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	263.21	56.23
23 21	13 23-1679	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	269.56	56.23
23 21	13 23-1680	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	269.56	56.23
23 21	13 23-1681	EA	4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	275.91	56.23
23 21	13 23-1682	EA	4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	288.08	56.23
23 21	13 23-1683	EA	5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	347.57	77.31
23 21	13 23-1684	EA	5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	347.57	77.31
23 21	13 23-1685	EA	5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	358.55	77.31
23 21	13 23-1686	EA	5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	372.30	77.31
23 21	13 23-1687	EA	6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	394.24	98.40
23 21	13 23-1688	EA	6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	394.24	98.40
23 21	13 23-1689	EA	6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	410.37	98.40
23 21	13 23-1690	EA	6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	424.00	98.40
23 21	13 23-1691	EA	6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	448.20	98.40
23 21	13 23-1692	EA	8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	609.91	130.25
23 21	13 23-1693	EA	8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	609.91	130.25
23 21	13 23-1694	EA	8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	629.36	130.25
23 21	13 23-1695	EA	8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	640.86	130.25
23 21	13 23-1696		<b>Installation-Ready™ Grooved Fittings</b> <small>(23 21 13 23-1469)</small>		
23 21	13 23-1697		<b>Installation-Ready™ 90 Degree Grooved Elbows</b> <small>(23 21 13 23-1696)</small> Note: Victaulic No. 101		
23 21	13 23-1698	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	184.86 56.36 43.72	9.28
23 21	13 23-1699	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	192.69 58.02 45.01	11.13
23 21	13 23-1700	EA	2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	199.57 58.44 45.33	14.84
23 21	13 23-1701	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	241.61 70.46 54.66	18.55
23 21	13 23-1702		<b>Installation-Ready™ 45 Degree Grooved Elbows</b> <small>(23 21 13 23-1696)</small> Note: Victaulic No. 103		
23 21	13 23-1703	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	184.86 43.72 40.99	9.28
23 21	13 23-1704	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	192.69 45.01 42.20	11.13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1705	EA		2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Galvanized Fittings, Add</i>	199.57 45.33 42.50	14.84
23 21 13 23-1706	EA		2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Galvanized Fittings, Add</i>	241.61 54.66 51.24	18.55
<b>23 21 13 23-1707</b>			<b>Installation-Ready™ Grooved Tees</b> (23 21 13 23-1696) Note: Victaulic No. 102		
23 21 13 23-1708	EA		1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Galvanized Fittings, Add</i>	282.48 79.12 67.51	12.37
23 21 13 23-1709	EA		1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Galvanized Fittings, Add</i>	295.01 81.76 69.77	14.84
23 21 13 23-1710	EA		2" Ductile Iron, Grooved, Installation-Ready™ Tee..... <i>For Galvanized Fittings, Add</i> <i>For Galvanized Fittings, Add</i>	306.28 82.89 70.73	19.79
23 21 13 23-1711	EA		2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Galvanized Fittings, Add</i>	356.47 95.70 81.66	24.74
<b>23 21 13 23-1712</b>			<b>Grooved Fittings</b> (23 21 13 23-1469)		
<b>23 21 13 23-1713</b>			<b>Flanged Adapter Nipple, Grooved</b> (23 21 13 23-1712) Note: Victaulic No. 41 and 45		
23 21 13 23-1714	EA		1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 ..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	386.24 55.41 66.49	11.24
23 21 13 23-1715	EA		1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 ..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	388.12 55.41 66.49	12.46
23 21 13 23-1716	EA		1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 ..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	392.80 55.41 66.49	15.65
23 21 13 23-1717	EA		2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 ..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	402.66 55.41 66.49	22.20
23 21 13 23-1718	EA		2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 ..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	409.70 55.41 66.49	26.89
23 21 13 23-1719	EA		3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 ..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	520.76 70.89 85.07	32.14
23 21 13 23-1720	EA		4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 ..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	628.54 84.55 101.46	43.29
23 21 13 23-1721	EA		5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 ..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	883.96 120.81 144.98	52.39
23 21 13 23-1722	EA		6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 ..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	1,025.06 137.84 165.41	70.75
23 21 13 23-1723	EA		8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 ..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	1,412.01 190.27 228.32	95.77
23 21 13 23-1724	EA		10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 ..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	2,244.26 310.49 372.59	116.29
23 21 13 23-1725	EA		12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 ..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	3,033.63 424.54 509.45	135.60
23 21 13 23-1726	EA		14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 ..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	3,581.68 500.65 600.78	162.78
23 21 13 23-1727	EA		16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 ..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	5,411.20 771.01 925.21	180.86
23 21 13 23-1728	EA		18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 ..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	6,444.13 905.61 1,086.73	271.29
23 21 13 23-1729	EA		20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 ..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	6,781.01 943.94 1,132.73	325.55
23 21 13 23-1730	EA		24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 ..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	11,398.39 1,628.41 1,954.10	361.72
<b>23 21 13 23-1731</b>			<b>Grooved Concentric Reducers</b> (23 21 13 23-1712) Note: Victaulic No. 50		
23 21 13 23-1732	EA		1-1/4" x 3/4", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	410.84 17.33	11.24
23 21 13 23-1733	EA		1-1/4" x 1", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	429.54 18.12	11.90
23 21 13 23-1734	EA		1-1/2" x 3/4", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	484.21 55.89	12.84

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1735	EA	1-1/2" x 1", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	119.73 11.97	13.40
23 21	13 23-1736	EA	1-1/2" x 1-1/4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	406.51 46.33	14.06
23 21	13 23-1737	EA	2" x 3/4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	122.54 11.97	15.28
23 21	13 23-1738	EA	2" x 1", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	123.48 11.97	15.93
23 21	13 23-1739	EA	2" x 1-1/4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	134.42 13.17	16.59
23 21	13 23-1740	EA	2" x 1-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	127.28 11.97	18.46
23 21	13 23-1741	EA	2-1/2" x 3/4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	836.29 97.41	17.24
23 21	13 23-1742	EA	2-1/2" x 1", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	662.51 76.42	17.90
23 21	13 23-1743	EA	2-1/2" x 1-1/4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	603.20 69.18	18.46
23 21	13 23-1744	EA	2-1/2" x 1-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	130.03 11.97	20.34
23 21	13 23-1745	EA	2-1/2" x 2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	133.78 11.97	22.77
23 21	13 23-1746	EA	3" x 3/4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	845.72 123.98	20.06
23 21	13 23-1747	EA	3" x 1", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	140.86 16.72	20.61
23 21	13 23-1748	EA	3" x 1-1/4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	663.64 96.03	21.27
23 21	13 23-1749	EA	3" x 1-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	621.27 89.23	22.77
23 21	13 23-1750	EA	3" x 2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	125.30 13.28	25.30
23 21	13 23-1751	EA	3" x 2-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	165.58 18.29	30.17
23 21	13 23-1752	EA	3-1/2" x 3", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	176.98 19.49	32.52
23 21	13 23-1753	EA	4" x 1", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	170.62 22.67	25.58
23 21	13 23-1754	EA	4" x 1-1/4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,084.46 179.23	26.24
23 21	13 23-1755	EA	4" x 1-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	840.70 137.03	27.83
23 21	13 23-1756	EA	4" x 2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	161.74 19.94	30.36
23 21	13 23-1757	EA	4" x 2-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	194.49 25.00	32.52
23 21	13 23-1758	EA	4" x 3", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	198.23 25.00	35.05
23 21	13 23-1759	EA	4" x 3-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	201.99 25.00	37.48
23 21	13 23-1760	EA	5" x 2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,523.73 252.24	35.32
23 21	13 23-1761	EA	5" x 2-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,197.37 195.70	37.48
23 21	13 23-1762	EA	5" x 3", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	230.59 29.26	40.01
23 21	13 23-1763	EA	5" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	271.23 34.94	44.98
23 21	13 23-1764	EA	6" x 1", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	328.15 50.56	38.14
23 21	13 23-1765	EA	6" x 1-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,606.85 288.56	40.30
23 21	13 23-1766	EA	6" x 2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	335.16 50.56	42.83
23 21	13 23-1767	EA	6" x 2-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,622.70 290.21	44.98
23 21	13 23-1768	EA	6" x 3", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	342.21 50.56	47.52
23 21	13 23-1769	EA	6" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	314.72 44.04	52.48
23 21	13 23-1770	EA	6" x 5", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	435.34 65.14	57.54
23 21	13 23-1771	EA	8" x 3", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	564.80 90.35	53.79
23 21	13 23-1772	EA	8" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	572.28 90.35	58.76
23 21	13 23-1773	EA	8" x 5", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	579.80 90.35	63.72
23 21	13 23-1774	EA	8" x 6", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	724.29 115.22	71.22
23 21	13 23-1775	EA	10" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,250.78 215.12	65.31
23 21	13 23-1776	EA	10" x 5", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	2,646.71 474.20	70.29
23 21	13 23-1777	EA	10" x 6", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,377.37 235.25	77.78
23 21	13 23-1778	EA	10" x 8", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,386.72 235.25	84.06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1779	EA		12" x 4", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	3,927.82 572.45	74.41
23 21 13 23-1780	EA		12" x 6", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	1,633.88 225.55	86.87
23 21 13 23-1781	EA		12" x 8", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	2,398.33 338.81	93.15
23 21 13 23-1782	EA		12" x 10", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	2,408.23 338.81	99.71
23 21 13 23-1783	EA		14" x 6", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	7,804.17 235.28	93.62
23 21 13 23-1784	EA		14" x 8", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	4,648.15 138.10	99.89
23 21 13 23-1785	EA		14" x 10", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	3,957.75 116.60	106.46
23 21 13 23-1786	EA		14" x 12", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	3,971.31 116.60	115.45
23 21 13 23-1787	EA		16" x 8", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	7,090.64 212.78	106.55
23 21 13 23-1788	EA		16" x 10", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	6,577.60 196.72	113.11
23 21 13 23-1789	EA		16" x 12", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	6,078.64 180.99	122.20
23 21 13 23-1790	EA		16" x 14", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	6,088.77 180.99	128.94
23 21 13 23-1791	EA		18" x 10", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	9,227.51 277.79	119.38
23 21 13 23-1792	EA		18" x 12", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	8,351.16 250.47	128.38
23 21 13 23-1793	EA		18" x 14", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	7,588.64 226.75	135.13
23 21 13 23-1794	EA		18" x 16", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	7,598.76 226.75	141.97
23 21 13 23-1795	EA		20" x 10", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	10,158.07 306.22	122.48
23 21 13 23-1796	EA		20" x 12", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	8,701.16 261.07	131.57
23 21 13 23-1797	EA		20" x 14", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	8,711.29 261.07	138.31
23 21 13 23-1798	EA		20" x 16", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	7,761.81 231.62	144.97
23 21 13 23-1799	EA		20" x 18", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	8,272.06 246.99	151.25
23 21 13 23-1800	EA		24" x 10", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	22,430.98 682.36	136.25
23 21 13 23-1801	EA		24" x 12", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	21,907.84 665.88	145.34
23 21 13 23-1802	EA		24" x 14", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	19,085.69 578.93	152.00
23 21 13 23-1803	EA		24" x 16", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	19,095.88 578.93	158.83
23 21 13 23-1804	EA		24" x 18", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	16,343.57 494.15	165.02
23 21 13 23-1805	EA		24" x 20", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	14,922.58 450.38	168.21
<b>23 21 13 23-1806 Grooved Eccentric Reducers (23 21 13 23-1712)</b>					
Note: Victaulic No. 51					
23 21 13 23-1807	EA		1-1/2" x 3/4", Grooved Eccentric Reducer ..... <i>For Galvanized Fittings, Add</i>	500.26 57.82	12.84
23 21 13 23-1808	EA		1-1/2" x 1", Grooved Eccentric Reducer ..... <i>For Galvanized Fittings, Add</i>	454.37 52.19	13.40
23 21 13 23-1809	EA		1-1/2" x 1-1/4", Grooved Eccentric Reducer ..... <i>For Galvanized Fittings, Add</i>	445.84 51.05	14.06
23 21 13 23-1810	EA		2" x 3/4", Grooved Eccentric Reducer ..... <i>For Galvanized Fittings, Add</i>	957.70 112.36	15.28
23 21 13 23-1811	EA		2" x 1", Grooved Eccentric Reducer ..... <i>For Galvanized Fittings, Add</i>	503.37 57.63	15.93
23 21 13 23-1812	EA		2" x 1-1/4", Grooved Eccentric Reducer ..... <i>For Galvanized Fittings, Add</i>	550.48 63.18	16.59
23 21 13 23-1813	EA		2" x 1-1/2", Grooved Eccentric Reducer ..... <i>For Galvanized Fittings, Add</i>	467.71 52.89	18.46
23 21 13 23-1814	EA		2-1/2" x 3/4", Grooved Eccentric Reducer ..... <i>For Galvanized Fittings, Add</i>	1,246.05 146.67	17.24
23 21 13 23-1815	EA		2-1/2" x 1", Grooved Eccentric Reducer ..... <i>For Galvanized Fittings, Add</i>	1,163.56 136.64	17.90
23 21 13 23-1816	EA		2-1/2" x 1-1/4", Grooved Eccentric Reducer ..... <i>For Galvanized Fittings, Add</i>	687.91 79.36	18.46
23 21 13 23-1817	EA		2-1/2" x 1-1/2", Grooved Eccentric Reducer ..... <i>For Galvanized Fittings, Add</i>	553.59 62.88	20.34
23 21 13 23-1818	EA		2-1/2" x 2", Grooved Eccentric Reducer ..... <i>For Galvanized Fittings, Add</i>	244.93 25.33	22.77
23 21 13 23-1819	EA		3" x 1", Grooved Eccentric Reducer ..... <i>For Galvanized Fittings, Add</i>	1,250.29 146.57	20.61
23 21 13 23-1820	EA		3" x 1-1/4", Grooved Eccentric Reducer ..... <i>For Galvanized Fittings, Add</i>	1,135.74 132.69	21.27
23 21 13 23-1821	EA		3" x 1-1/2", Grooved Eccentric Reducer ..... <i>For Galvanized Fittings, Add</i>	639.30 72.73	22.77

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1822	EA	3" x 2", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	280.13 29.11	25.30
23 21	13 23-1823	EA	3" x 2-1/2", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	287.39 29.11	30.17
23 21	13 23-1824	EA	3-1/2" x 3", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,388.49 161.04	32.52
23 21	13 23-1825	EA	4" x 1", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	2,510.10 423.89	25.58
23 21	13 23-1826	EA	4" x 1-1/2", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,536.56 256.37	27.83
23 21	13 23-1827	EA	4" x 2", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	341.56 50.78	30.36
23 21	13 23-1828	EA	4" x 2-1/2", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	344.84 50.78	32.52
23 21	13 23-1829	EA	4" x 3", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	348.58 50.78	35.05
23 21	13 23-1830	EA	5" x 2", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,701.31 282.69	35.32
23 21	13 23-1831	EA	5" x 2-1/2", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,460.59 240.85	37.48
23 21	13 23-1832	EA	5" x 3", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,416.45 232.63	40.01
23 21	13 23-1833	EA	5" x 4", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	470.78 69.17	44.98
23 21	13 23-1834	EA	6" x 1", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	2,619.62 478.15	38.14
23 21	13 23-1835	EA	6" x 2", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	2,401.03 436.06	42.83
23 21	13 23-1836	EA	6" x 2-1/2", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	2,850.12 519.24	44.98
23 21	13 23-1837	EA	6" x 3", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	608.19 100.20	47.52
23 21	13 23-1838	EA	6" x 4", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	548.73 87.70	52.48
23 21	13 23-1839	EA	6" x 5", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	650.02 105.20	57.54
23 21	13 23-1840	EA	8" x 3", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	2,795.76 506.65	53.79
23 21	13 23-1841	EA	8" x 4", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	2,460.96 442.78	58.76
23 21	13 23-1842	EA	8" x 5", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	2,304.85 412.25	63.72
23 21	13 23-1843	EA	8" x 6", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,059.86 177.84	71.22
23 21	13 23-1844	EA	10" x 4", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	4,452.26 812.52	65.31
23 21	13 23-1845	EA	10" x 5", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	4,207.85 765.51	70.29
23 21	13 23-1846	EA	10" x 6", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	3,210.29 577.27	77.78
23 21	13 23-1847	EA	10" x 8", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	2,744.37 488.58	84.06
23 21	13 23-1848	EA	12" x 4", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	4,539.10 668.12	74.41
23 21	13 23-1849	EA	12" x 6", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	4,263.02 623.64	86.87
23 21	13 23-1850	EA	12" x 8", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	4,166.65 607.68	93.15
23 21	13 23-1851	EA	12" x 10", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	3,756.54 544.30	99.71
23 21	13 23-1852	EA	14" x 6", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	10,568.14 320.13	93.62
23 21	13 23-1853	EA	14" x 8", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	6,816.49 204.67	99.89
23 21	13 23-1854	EA	14" x 10", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	6,505.86 194.83	106.46
23 21	13 23-1855	EA	14" x 12", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	6,519.42 194.83	115.45
23 21	13 23-1856	EA	16" x 8", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	11,675.95 353.55	106.55
23 21	13 23-1857	EA	16" x 10", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	10,811.43 326.70	113.11
23 21	13 23-1858	EA	16" x 12", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	10,182.63 306.98	122.20
23 21	13 23-1859	EA	16" x 14", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	10,192.76 306.98	128.94
23 21	13 23-1860	EA	18" x 10", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	14,652.85 444.35	119.38
23 21	13 23-1861	EA	18" x 12", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	13,783.47 417.24	128.38
23 21	13 23-1862	EA	18" x 14", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	12,550.68 379.08	135.13
23 21	13 23-1863	EA	18" x 16", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	12,560.80 379.08	141.97
23 21	13 23-1864	EA	20" x 10", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	19,256.73 585.55	122.48
23 21	13 23-1865	EA	20" x 12", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	14,305.39 433.12	131.57

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1866	EA		20" x 14", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	13,433.53 406.04	138.31
23 21 13 23-1867	EA		20" x 16", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	13,229.50 399.47	144.97
23 21 13 23-1868	EA		20" x 18", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	12,740.42 384.17	151.25
23 21 13 23-1869	EA		24" x 12", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	27,828.69 847.65	145.34
23 21 13 23-1870	EA		24" x 14", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	23,760.18 722.44	152.00
23 21 13 23-1871	EA		24" x 16", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	23,770.37 722.44	158.83
23 21 13 23-1872	EA		24" x 18", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	22,443.86 681.43	165.02
23 21 13 23-1873	EA		24" x 20", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	20,507.61 621.84	168.21
<b>23 21 13 23-1874</b>			<b>Close Nipple, Grooved</b> (23 21 13 23-1712) Note: Victaulic No. 143		
23 21 13 23-1875	EA		1-1/4" Ductile Iron, Grooved, Close Nipple ..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	46.80 4.21 5.05 7.18	12.37
23 21 13 23-1876	EA		1-1/2" Ductile Iron, Grooved, Close Nipple ..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	53.99 4.58 5.50 7.82	15.46
23 21 13 23-1877	EA		2" Ductile Iron, Grooved, Close Nipple..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	67.77 5.53 6.63 9.43	20.41
23 21 13 23-1878	EA		2-1/2" Ductile Iron, Grooved, Close Nipple ..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	81.02 6.53 7.84 11.15	24.74
<b>23 21 13 23-1879</b>			<b>Grooved Couplings</b> (23 21 13 23-1469)		
<b>23 21 13 23-1880</b>			<b>Flexible Grooved Coupling</b> (23 21 13 23-1879) Note: Victaulic Style 77		
23 21 13 23-1881	EA		3/4" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	55.22 13.32	5.06
23 21 13 23-1882	EA		1" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	55.22 13.32	5.06
23 21 13 23-1883	EA		1-1/4" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	72.84 17.72	6.37
23 21 13 23-1884	EA		1-1/2" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	80.58 19.36	7.59
23 21 13 23-1885	EA		2" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	88.39 20.46	10.22
23 21 13 23-1886	EA		2-1/2" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	106.13 24.49	12.46
23 21 13 23-1887	EA		3" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	109.75 24.49	14.90
23 21 13 23-1888	EA		3-1/2" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	167.10 39.46	17.43
23 21 13 23-1889	EA		4" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	170.77 39.46	19.87
23 21 13 23-1890	EA		5" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	253.36 60.50	24.93
23 21 13 23-1891	EA		6" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	304.21 71.51	32.52
23 21 13 23-1892	EA		8" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	474.42 116.57	38.79
23 21 13 23-1893	EA		10" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	761.63 193.73	46.48
23 21 13 23-1894	EA		12" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	864.06 220.58	50.88
23 21 13 23-1895	EA		14" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	1,058.71 267.97	67.85
23 21 13 23-1896	EA		16" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	1,377.35 351.49	81.44
23 21 13 23-1897	EA		18" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	1,605.75 411.65	90.43
23 21 13 23-1898	EA		20" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	2,465.34 647.59	101.77
23 21 13 23-1899	EA		24" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	2,724.07 710.18	125.19
<b>23 21 13 23-1900</b>			<b>Zero-Flex® Rigid Coupling</b> (23 21 13 23-1879) Note: Victaulic Style 07		
23 21 13 23-1901	EA		1" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	73.81 16.21	5.06
23 21 13 23-1902	EA		1-1/4" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	75.73 16.21	6.37

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1903	EA	1-1/2" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	77.59 16.21	7.59
23 21	13 23-1904	EA	2" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	83.16 16.62	10.22
23 21	13 23-1905	EA	2-1/2" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	96.88 19.16	12.46
23 21	13 23-1906	EA	3" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	100.50 19.16	14.90
23 21	13 23-1907	EA	3-1/2" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	117.58 22.39	17.43
23 21	13 23-1908	EA	4" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	159.37 31.73	19.87
23 21	13 23-1909	EA	5" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	205.51 41.21	24.93
23 21	13 23-1910	EA	6" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	273.65 55.09	32.52
23 21	13 23-1911	EA	8" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	412.33 86.79	38.79
23 21	13 23-1912	EA	10" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	704.44 155.51	46.48
23 21	13 23-1913	EA	12" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	786.54 174.02	50.88
23 21	13 23-1914	EA	14" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	1,029.65 227.35	67.85
23 21	13 23-1915	EA	16" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	1,332.30 296.52	81.44
23 21	13 23-1916	EA	18" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	1,534.68 342.78	90.43
23 21	13 23-1917	EA	20" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	1,818.24 408.10	101.77
23 21	13 23-1918	EA	24" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	2,641.23 601.11	125.19
23 21	13 23-1919		<b>Large Diameter Grooved Coupling</b> (23 21 13 23-1879) Note: Victaulic Style 770		
23 21	13 23-1920	EA	28" Grooved Coupling..... <i>For Galvanized Fittings, Add</i>	2,981.43 412.18	24.93
23 21	13 23-1921	EA	30" Grooved Coupling..... <i>For Galvanized Fittings, Add</i>	3,438.42 474.55	32.52
23 21	13 23-1922	EA	32" Grooved Coupling..... <i>For Galvanized Fittings, Add</i>	5,134.26 710.66	38.79
23 21	13 23-1923	EA	36" Grooved Coupling..... <i>For Galvanized Fittings, Add</i>	6,832.40 946.78	46.48
23 21	13 23-1924	EA	42" Grooved Coupling..... <i>For Galvanized Fittings, Add</i>	13,753.15 1,914.76	50.88
23 21	13 23-1925		<b>Flexible Coupling</b> (23 21 13 23-1879) Note: Victaulic Style 75		
23 21	13 23-1926	EA	1-1/2" Grooved Flexible Coupling..... <i>For Galvanized Fittings, Add</i>	71.57 15.40	7.59
23 21	13 23-1927	EA	2" Grooved Flexible Coupling..... <i>For Galvanized Fittings, Add</i>	76.99 15.79	10.22
23 21	13 23-1928	EA	2-1/2" Grooved Flexible Coupling..... <i>For Galvanized Fittings, Add</i>	90.15 18.30	12.46
23 21	13 23-1929	EA	3" Grooved Flexible Coupling..... <i>For Galvanized Fittings, Add</i>	105.40 21.28	14.90
23 21	13 23-1930	EA	3-1/2" Grooved Flexible Coupling..... <i>For Galvanized Fittings, Add</i>	143.93 30.14	17.43
23 21	13 23-1931	EA	4" Grooved Flexible Coupling..... <i>For Galvanized Fittings, Add</i>	147.60 30.14	19.87
23 21	13 23-1932	EA	5" Grooved Flexible Coupling..... <i>For Galvanized Fittings, Add</i>	207.19 43.49	24.93
23 21	13 23-1933	EA	6" Grooved Flexible Coupling..... <i>For Galvanized Fittings, Add</i>	253.47 52.39	32.52
23 21	13 23-1934	EA	8" Grooved Flexible Coupling..... <i>For Galvanized Fittings, Add</i>	379.80 82.36	38.79
23 21	13 23-1935		<b>Installation-Ready™ Coupling</b> (23 21 13 23-1879) Note: Victaulic Style 009N		
23 21	13 23-1936	EA	1-1/4" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	56.58 12.65	4.73
23 21	13 23-1937	EA	1-1/2" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	59.00 12.91	5.66
23 21	13 23-1938	EA	2" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	68.57 14.60	7.60
23 21	13 23-1939	EA	2-1/2" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	79.68 16.82	9.22
23 21	13 23-1940	EA	3" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	91.13 19.04	11.07
23 21	13 23-1941	EA	4" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	126.82 26.73	14.78
23 21	13 23-1942	EA	5" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	198.82 43.72	18.49
23 21	13 23-1943	EA	6" Ductile Iron, Installation-Ready™ Coupling..... <i>For Galvanized Fittings, Add</i>	240.73 52.24	24.18



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1944	EA	8" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	384.54 87.29	28.76
23 21	13 23-1945		<b>Grooved Strainers And Suction Diffusers</b> (23 21 13 23-1469)		
23 21	13 23-1946		<b>Grooved Wye Strainers</b> (23 21 13 23-1946)		
			Note: Victaulic Style 732		
23 21	13 23-1947	EA	2" Grooved Wye Strainer	1,550.35	20.61
23 21	13 23-1948	EA	2-1/2" Grooved Wye Strainer	1,633.63	25.02
23 21	13 23-1949	EA	3" Grooved Wye Strainer	1,838.16	29.99
23 21	13 23-1950	EA	4" Grooved Wye Strainer	2,089.18	40.01
23 21	13 23-1951	EA	5" Grooved Wye Strainer	3,014.48	50.04
23 21	13 23-1952	EA	6" Grooved Wye Strainer	3,289.21	65.03
23 21	13 23-1953	EA	8" Grooved Wye Strainer	5,009.08	77.50
23 21	13 23-1954	EA	10" Grooved Wye Strainer	8,001.10	90.61
23 21	13 23-1955	EA	12" Grooved Wye Strainer	13,903.12	108.80
23 21	13 23-1956		<b>Grooved Tee Type Strainers</b> (23 21 13 23-1945)		
			Note: Victaulic Style 730		
23 21	13 23-1957	EA	1-1/2" Grooved Tee Type Strainer	1,195.95	15.65
23 21	13 23-1958	EA	2" Grooved Tee Type Strainer	1,531.60	20.61
23 21	13 23-1959	EA	2-1/2" Grooved Tee Type Strainer	1,614.13	25.02
23 21	13 23-1960	EA	3" Grooved Tee Type Strainer	1,816.14	29.99
23 21	13 23-1961	EA	4" Grooved Tee Type Strainer	2,064.21	40.01
23 21	13 23-1962	EA	5" Grooved Tee Type Strainer	2,978.13	50.04
23 21	13 23-1963	EA	6" Grooved Tee Type Strainer	3,250.01	65.03
23 21	13 23-1964	EA	8" Grooved Tee Type Strainer	4,948.39	77.50
23 21	13 23-1965	EA	10" Grooved Tee Type Strainer	7,232.96	90.61
23 21	13 23-1966	EA	12" Grooved Tee Type Strainer	9,298.96	108.80
23 21	13 23-1967	EA	14" Grooved Tee Type Strainer	32,748.48	122.48
23 21	13 23-1968	EA	16" Grooved Tee Type Strainer	40,676.61	135.60
23 21	13 23-1969	EA	18" Grooved Tee Type Strainer	53,456.22	148.15
23 21	13 23-1970		<b>Grooved Suction Diffuser</b> (23 21 13 23-1945)		
			Note: Victaulic Style 731		
23 21	13 23-1971	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	3,150.78	23.14
23 21	13 23-1972	EA	3" Grooved x 2" Flanged Suction Diffuser	3,345.25	25.58
23 21	13 23-1973	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser	2,422.32	29.99
23 21	13 23-1974	EA	3" Grooved x 3" Flanged Suction Diffuser	2,457.44	32.52
23 21	13 23-1975	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser	2,660.71	32.52
23 21	13 23-1976	EA	4" Grooved x 3" Flanged Suction Diffuser	2,870.55	35.05
23 21	13 23-1977	EA	4" Grooved x 4" Flanged Suction Diffuser	3,316.41	35.05
23 21	13 23-1978	EA	5" Grooved x 4" Flanged Suction Diffuser	3,705.41	44.98
23 21	13 23-1979	EA	5" Grooved x 5" Flanged Suction Diffuser	3,893.77	47.52
23 21	13 23-1980	EA	6" Grooved x 4" Flanged Suction Diffuser	3,957.54	52.48
23 21	13 23-1981	EA	6" Grooved x 5" Flanged Suction Diffuser	4,726.22	57.54
23 21	13 23-1982	EA	6" Grooved x 6" Flanged Suction Diffuser	4,909.57	61.29
23 21	13 23-1983	EA	8" Grooved x 5" Flanged Suction Diffuser	5,037.99	63.72
23 21	13 23-1984	EA	8" Grooved x 6" Flanged Suction Diffuser	5,318.55	71.22
23 21	13 23-1985	EA	8" Grooved x 8" Flanged Suction Diffuser	9,084.92	77.50
23 21	13 23-1986	EA	10" Grooved x 8" Flanged Suction Diffuser	10,246.10	83.78
23 21	13 23-1987	EA	10" Grooved x 10" Flanged Suction Diffuser	12,324.99	86.87
23 21	13 23-1988	EA	12" Grooved x 10" Flanged Suction Diffuser	14,584.30	99.99
23 21	13 23-1989	EA	12" Grooved x 12" Flanged Suction Diffuser	20,237.26	106.27
23 21	13 23-1990	EA	14" Grooved x 10" Flanged Suction Diffuser	18,845.46	106.27
23 21	13 23-1991	EA	14" Grooved x 12" Flanged Suction Diffuser	21,046.57	115.63
23 21	13 23-1992	EA	14" Grooved x 14" Flanged Suction Diffuser	25,531.25	122.48
23 21	13 23-1993	EA	16" Grooved x 14" Flanged Suction Diffuser	26,285.59	128.75
23 21	13 23-1994		<b>Grooved Steel Valves</b> (23 21 13 23-1469)		
23 21	13 23-1995		<b>Grooved Butterfly Valves With Standard Trim</b> (23 21 13 23-1994)		
23 21	13 23-1996	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim	275.14	10.22
23 21	13 23-1997	EA	2" Butterfly Valve, Grooved, With Standard Trim	279.99	13.40
23 21	13 23-1998	EA	3" Butterfly Valve, Grooved, With Standard Trim	459.81	19.87
23 21	13 23-1999	EA	4" Butterfly Valve, Grooved, With Standard Trim	617.71	26.15
23 21	13 23-2000	EA	6" Butterfly Valve, Grooved, With Standard Trim	1,351.01	42.83
23 21	13 23-2001	EA	8" Butterfly Valve, Grooved, With Standard Trim	1,872.11	60.25
23 21	13 23-2002	EA	10" Butterfly Valve, Grooved, With Standard Trim	2,813.17	81.44
23 21	13 23-2003		<b>Grooved Butterfly Valves With Stainless Steel Trim</b> (23 21 13 23-1994)		
23 21	13 23-2004	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	414.34	10.22
23 21	13 23-2005	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim	419.18	13.40
23 21	13 23-2006	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim	648.50	19.87
23 21	13 23-2007	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim	824.96	26.15
23 21	13 23-2008	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim	1,579.91	42.83
23 21	13 23-2009	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim	2,626.86	60.25
23 21	13 23-2010	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim	4,143.28	81.44

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2011			<b>Grooved Ball Valves With Standard Trim And Handle</b> (23 21 13 23-1994) Note: Victaulic No. 721		
23 21 13 23-2012	EA		1-1/2" Ball Valve, Grooved, With Standard Trim .....	231.88	10.02
23 21 13 23-2013	EA		2" Ball Valve, Grooved, With Standard Trim .....	265.32	13.77
23 21 13 23-2014	EA		2-1/2" Ball Valve, Grooved, With Standard Trim .....	608.17	16.87
23 21 13 23-2015	EA		3" Ball Valve, Grooved, With Standard Trim .....	998.70	19.96
23 21 13 23-2016	EA		4" Ball Valve, Grooved, With Standard Trim .....	1,556.09	26.24
23 21 13 23-2017	EA		6" Ball Valve, Grooved, With Standard Trim .....	4,845.25	43.11
23 21 13 23-2018			<b>Grooved Ball Valves With Stainless Steel Trim And Handle</b> (23 21 13 23-1994) Note: Victaulic No. 721		
23 21 13 23-2019	EA		1-1/2" Ball Valve, Grooved, With Stainless Steel Trim .....	247.12	10.02
23 21 13 23-2020	EA		2" Ball Valve, Grooved, With Stainless Steel Trim .....	423.58	13.77
23 21 13 23-2021	EA		2-1/2" Ball Valve, Grooved, With Stainless Steel Trim .....	1,107.17	16.87
23 21 13 23-2022	EA		3" Ball Valve, Grooved, With Stainless Steel Trim .....	1,432.12	19.96
23 21 13 23-2023	EA		4" Ball Valve, Grooved, With Stainless Steel Trim .....	1,956.61	26.24
23 21 13 23-2024	EA		6" Ball Valve, Grooved, With Stainless Steel Trim .....	5,341.54	43.11
23 21 13 23-2025			<b>Grooved Check Valves</b> (23 21 13 23-1994) Note: Victaulic No. 712		
23 21 13 23-2026	EA		2" Check Valve, Grooved .....	352.45	13.77
23 21 13 23-2027	EA		2-1/2" Check Valve, Grooved .....	572.98	16.87
23 21 13 23-2028	EA		3" Check Valve, Grooved .....	667.58	19.96
23 21 13 23-2029	EA		4" Check Valve, Grooved .....	946.62	26.24
23 21 13 23-2030			<b>Grooved Vic-Check Check Valves</b> (23 21 13 23-1994) Note: Victaulic No. 716		
23 21 13 23-2031	EA		2-1/2" "Vic-Check" Check Valve, Grooved .....	457.25	16.87
23 21 13 23-2032	EA		3" "Vic-Check" Check Valve, Grooved .....	461.81	19.96
23 21 13 23-2033	EA		4" "Vic-Check" Check Valve, Grooved .....	578.51	26.24
23 21 13 23-2034	EA		6" "Vic-Check" Check Valve, Grooved .....	1,129.26	43.11
23 21 13 23-2035	EA		8" "Vic-Check" Check Valve, Grooved .....	1,545.02	59.97
23 21 13 23-2036	EA		10" "Vic-Check" Check Valve, Grooved .....	4,333.56	81.25
23 21 13 23-2037	EA		12" "Vic-Check" Check Valve, Grooved .....	5,132.15	93.80
23 21 13 23-2038			<b>Grooved Plug Valves With Lever Operator</b> (23 21 13 23-1994) Note: Victaulic No. 377		
23 21 13 23-2039	EA		3" Balancing Plug Valve, Grooved, With Lever Handle .....	543.14	19.96
23 21 13 23-2040	EA		4" Balancing Plug Valve, Grooved, With Lever Handle .....	604.09	26.24
23 21 13 23-2041	EA		6" Balancing Plug Valve, Grooved, With Lever Handle .....	1,077.25	43.11
23 21 13 23-2042			<b>Grooved Plug Valve With Gear Operator</b> (23 21 13 23-1994) Note: Victaulic No. 377		
23 21 13 23-2043	EA		3" Balancing Plug Valve, Grooved, With Gear Operator .....	957.11	19.96
23 21 13 23-2044	EA		4" Balancing Plug Valve, Grooved, With Gear Operator .....	1,018.10	26.24
23 21 13 23-2045	EA		6" Balancing Plug Valve, Grooved, With Gear Operator .....	1,491.25	43.11
23 21 13 23-2046	EA		8" Balancing Plug Valve, Grooved, With Gear Operator .....	1,995.56	59.97
23 21 13 23-2047	EA		10" Balancing Plug Valve, Grooved, With Gear Operator .....	3,127.10	81.25
23 21 13 23-2048	EA		12" Balancing Plug Valve, Grooved, With Gear Operator .....	4,518.21	93.80
23 21 13 23-2049			<b>Prepare Pipe For Groove</b> (23 21 13 23-1469)		
23 21 13 23-2050			<b>Cut Grooved Pipe</b> (23 21 13 23-2049) Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2051	EA		Cut 3/4" Groove Pipe .....	9.82	
23 21 13 23-2052	EA		Cut 1" Groove Pipe .....	10.66	
23 21 13 23-2053	EA		Cut 1-1/4" Groove Pipe .....	12.03	
23 21 13 23-2054	EA		Cut 1-1/2" Groove Pipe .....	13.09	
23 21 13 23-2055	EA		Cut 2" Groove Pipe .....	14.35	
23 21 13 23-2056	EA		Cut 2-1/2" Groove Pipe .....	15.54	
23 21 13 23-2057	EA		Cut 3" Groove Pipe .....	16.96	
23 21 13 23-2058	EA		Cut 3-1/2" Groove Pipe .....	17.98	
23 21 13 23-2059	EA		Cut 4" Groove Pipe .....	19.13	
23 21 13 23-2060	EA		Cut 5" Groove Pipe .....	20.72	
23 21 13 23-2061	EA		Cut 6" Groove Pipe .....	21.32	
23 21 13 23-2062	EA		Cut 8" Groove Pipe .....	27.63	
23 21 13 23-2063	EA		Cut 10" Groove Pipe .....	39.27	
23 21 13 23-2064	EA		Cut 12" Groove Pipe .....	49.74	
23 21 13 23-2065	EA		Cut 14" Groove Pipe .....	74.61	
23 21 13 23-2066	EA		Cut 16" Groove Pipe .....	78.53	
23 21 13 23-2067	EA		Cut 18" Groove Pipe .....	82.90	
23 21 13 23-2068	EA		Cut 20" Groove Pipe .....	87.77	
23 21 13 23-2069	EA		Cut 24" Groove Pipe .....	99.48	
23 21 13 23-2070			<b>Roll Grooved Pipe</b> (23 21 13 23-2049) Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 13 23-2071	EA		Roll 3/4" Groove.....	5.61	
23 21 13 23-2072	EA		Roll 1" Groove.....	6.54	
23 21 13 23-2073	EA		Roll 1-1/4" Groove.....	7.46	
23 21 13 23-2074	EA		Roll 1-1/2" Groove.....	8.38	
23 21 13 23-2075	EA		Roll 2" Groove.....	12.87	
23 21 13 23-2076	EA		Roll 2-1/2" Groove.....	13.56	
23 21 13 23-2077	EA		Roll 3" Groove.....	14.92	
23 21 13 23-2078	EA		Roll 3-1/2" Groove.....	15.87	
23 21 13 23-2079	EA		Roll 4" Groove.....	17.35	
23 21 13 23-2080	EA		Roll 5" Groove.....	17.77	
23 21 13 23-2081	EA		Roll 6" Groove.....	18.66	
23 21 13 23-2082	EA		Roll 8" Groove.....	22.61	
23 21 13 23-2083	EA		Roll 10" Groove.....	25.72	
23 21 13 23-2084	EA		Roll 12" Groove.....	32.44	
23 21 13 23-2085	EA		Roll 14" Groove.....	49.74	
23 21 13 23-2086	EA		Roll 16" Groove.....	53.29	
23 21 13 23-2087	EA		Roll 18" Groove.....	55.27	
23 21 13 23-2088	EA		Roll 20" Groove.....	59.69	
23 21 13 23-2089	EA		Roll 24" Groove.....	64.88	

23 21 13 23-2090

Standard Gaskets (23 21 13 23-2049)

Note: For use on replacement of existing gaskets.

23 21 13 23-2091	EA		3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	38.21	
23 21 13 23-2092	EA		1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	39.00	
23 21 13 23-2093	EA		1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	40.49	
23 21 13 23-2094	EA		1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	44.24	
23 21 13 23-2095	EA		2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	44.79	
23 21 13 23-2096	EA		2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	53.37	
23 21 13 23-2097	EA		3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	58.29	
23 21 13 23-2098	EA		3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	72.94	
23 21 13 23-2099	EA		4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	73.39	
23 21 13 23-2100	EA		5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	93.48	
23 21 13 23-2101	EA		6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	100.76	
23 21 13 23-2102	EA		8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	137.91	
23 21 13 23-2103	EA		10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	174.83	
23 21 13 23-2104	EA		12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	204.72	
23 21 13 23-2105	EA		14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	284.53	
23 21 13 23-2106	EA		16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	386.66	
23 21 13 23-2107	EA		18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	462.40	
23 21 13 23-2108	EA		20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	698.29	
23 21 13 23-2109	EA		24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	963.32	

23 21 13 23-2110

Copper Grooved-Joint Pipe Fittings (23 21 13 23)

Note: Couplings are not included with fittings.

23 21 13 23-2111

Grooved Fittings (23 21 13 23-2110)

23 21 13 23-2112

Grooved 90 Degree Elbows (23 21 13 23-2111)

23 21 13 23-2113	EA		2" Copper 90 Degree Elbow, Grooved.....	64.44	15.28
23 21 13 23-2114	EA		2-1/2" Copper 90 Degree Elbow, Grooved.....	73.89	18.65
23 21 13 23-2115	EA		3" Copper 90 Degree Elbow, Grooved.....	96.48	22.59
23 21 13 23-2116	EA		4" Copper 90 Degree Elbow, Grooved.....	177.34	29.80
23 21 13 23-2117	EA		5" Copper 90 Degree Elbow, Grooved.....	408.09	37.30
23 21 13 23-2118	EA		6" Copper 90 Degree Elbow, Grooved.....	629.78	48.83
23 21 13 23-2119	EA		8" Copper 90 Degree Elbow, Grooved.....	1,115.26	58.10

23 21 13 23-2120

Grooved 45 Degree Elbows (23 21 13 23-2111)

23 21 13 23-2121	EA		2" Copper 45 Degree Elbow, Grooved.....	64.44	15.28
23 21 13 23-2122	EA		2-1/2" Copper 45 Degree Elbow, Grooved.....	73.89	18.65
23 21 13 23-2123	EA		3" Copper 45 Degree Elbow, Grooved.....	96.48	22.59
23 21 13 23-2124	EA		4" Copper 45 Degree Elbow, Grooved.....	177.34	29.80
23 21 13 23-2125	EA		5" Copper 45 Degree Elbow, Grooved.....	408.09	37.30
23 21 13 23-2126	EA		6" Copper 45 Degree Elbow, Grooved.....	629.78	48.83
23 21 13 23-2127	EA		8" Copper 45 Degree Elbow, Grooved.....	1,115.26	58.10

23 21 13 23-2128

Grooved Tees (23 21 13 23-2111)

23 21 13 23-2129	EA		2" Copper Tee, Grooved.....	100.47	22.49
23 21 13 23-2130	EA		2-1/2" Copper Tee, Grooved.....	114.09	27.64
23 21 13 23-2131	EA		3" Copper Tee, Grooved.....	155.36	33.92
23 21 13 23-2132	EA		4" Copper Tee, Grooved.....	279.68	43.86
23 21 13 23-2133	EA		5" Copper Tee, Grooved.....	959.26	57.35
23 21 13 23-2134	EA		6" Copper Tee, Grooved.....	806.96	71.78
23 21 13 23-2135	EA		8" Copper Tee, Grooved.....	1,358.93	87.15

23 21 13 23-2136

Grooved Reducing Tees (23 21 13 23-2111)

23 21 13 23-2137	EA		2-1/2" Copper Tee, Reducing, Grooved.....	142.96	27.64
23 21 13 23-2138	EA		3" Copper Tee, Reducing, Grooved.....	216.65	33.92
23 21 13 23-2139	EA		4" Copper Tee, Reducing, Grooved.....	339.89	43.95
23 21 13 23-2140	EA		5" Copper Tee, Reducing, Grooved.....	884.26	57.45
23 21 13 23-2141	EA		6" Copper Tee, Reducing, Grooved.....	1,083.00	71.78

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 21 13 23-2142		<b>Grooved X Cup Reducing Tees</b> (23 21 13 23-2111)			
23 21 13 23-2143	EA	2" Copper Tee, Reducing, Grooved X Cup.....	115.91		22.49
23 21 13 23-2144	EA	2-1/2" Copper Tee, Reducing, Grooved X Cup.....	143.27		27.64
23 21 13 23-2145	EA	3" Copper Tee, Reducing, Grooved X Cup.....	230.54		33.92
23 21 13 23-2146	EA	4" Copper Tee, Reducing, Grooved X Cup.....	339.89		43.86
23 21 13 23-2147		<b>Grooved Flanged Adapter Nipples</b> (23 21 13 23-2111)			
23 21 13 23-2148	EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	179.16		16.59
23 21 13 23-2149	EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	192.23		20.15
23 21 13 23-2150	EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	207.26		24.08
23 21 13 23-2151	EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	239.33		32.42
23 21 13 23-2152	EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	313.03		39.27
23 21 13 23-2153	EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	361.27		53.04
23 21 13 23-2154		<b>Grooved Concentric Reducers</b> (23 21 13 23-2111)			
23 21 13 23-2155	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved.....	82.68		17.05
23 21 13 23-2156	EA	3" x 2" Copper Concentric Reducer, Grooved.....	86.44		19.02
23 21 13 23-2157	EA	3" x 2-1/2" Copper Concentric Reducer, Grooved.....	93.70		22.59
23 21 13 23-2158	EA	4" x 2" Copper Concentric Reducer, Grooved.....	144.58		22.77
23 21 13 23-2159	EA	4" x 2-1/2" Copper Concentric Reducer, Grooved.....	147.86		24.36
23 21 13 23-2160	EA	4" x 3" Copper Concentric Reducer, Grooved.....	151.60		26.24
23 21 13 23-2161	EA	5" x 3" Copper Concentric Reducer, Grooved.....	338.81		29.99
23 21 13 23-2162	EA	5" x 4" Copper Concentric Reducer, Grooved.....	346.30		33.73
23 21 13 23-2163	EA	6" x 3" Copper Concentric Reducer, Grooved.....	373.06		35.61
23 21 13 23-2164	EA	6" x 4" Copper Concentric Reducer, Grooved.....	380.56		39.36
23 21 13 23-2165	EA	6" x 5" Copper Concentric Reducer, Grooved.....	388.06		43.11
23 21 13 23-2166	EA	8" x 6" Copper Concentric Reducer, Grooved.....	636.54		53.41
23 21 13 23-2167		<b>Grooved X Cup Concentric Reducers</b> (23 21 13 23-2111)			
23 21 13 23-2168	EA	2" x 1" Copper Concentric Reducer, Grooved X Cup.....	64.04		11.99
23 21 13 23-2169	EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	64.98		12.46
23 21 13 23-2170	EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	67.84		13.87
23 21 13 23-2171	EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup.....	75.87		13.40
23 21 13 23-2172	EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	76.80		13.87
23 21 13 23-2173	EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	79.55		15.28
23 21 13 23-2174	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup.....	83.30		17.05
23 21 13 23-2175	EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	95.18		17.05
23 21 13 23-2176	EA	3" x 2" Copper Concentric Reducer, Grooved X Cup.....	98.94		19.02
23 21 13 23-2177	EA	4" x 2" Copper Concentric Reducer, Grooved X Cup.....	158.63		22.68
23 21 13 23-2178		<b>Grooved Standard Couplings</b> (23 21 13 23-2111)			
23 21 13 23-2179	EA	2" Copper Standard Coupling, Grooved.....	26.97		7.68
23 21 13 23-2180	EA	2-1/2" Copper Standard Coupling, Grooved.....	32.02		9.37
23 21 13 23-2181	EA	3" Copper Standard Coupling, Grooved.....	36.99		11.15
23 21 13 23-2182	EA	4" Copper Standard Coupling, Grooved.....	52.36		14.99
23 21 13 23-2183	EA	5" Copper Standard Coupling, Grooved.....	75.59		18.65
23 21 13 23-2184	EA	6" Copper Standard Coupling, Grooved.....	99.39		24.36
23 21 13 23-2185	EA	8" Copper Standard Coupling, Grooved.....	136.84		29.05
23 21 13 23-2186		<b>Grooved Caps</b> (23 21 13 23-2111)			
23 21 13 23-2187	EA	2" Copper Cap, Grooved.....	38.62		7.68
23 21 13 23-2188	EA	2-1/2" Copper Cap, Grooved.....	53.24		9.37
23 21 13 23-2189	EA	3" Copper Cap, Grooved.....	65.20		11.15
23 21 13 23-2190	EA	4" Copper Cap, Grooved.....	94.23		14.90
23 21 13 23-2191	EA	5" Copper Cap, Grooved.....	151.45		18.65
23 21 13 23-2192	EA	6" Copper Cap, Grooved.....	180.19		24.36
23 21 13 23-2193		<b>Grooved Valves</b> (23 21 13 23-2110)			
23 21 13 23-2194		<b>Grooved Butterfly Valves, Standard Trim, Without Operator</b> (23 21 13 23-2193)			
		Note: Copper body.			
23 21 13 23-2195	EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	454.95		10.02
		For Chain Wheel, Add	43.45		
		For Valve Bracket Insulation, Add	38.20		
23 21 13 23-2196	EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	516.85		14.90
		For Chain Wheel, Add	43.45		
		For Valve Bracket Insulation, Add	38.20		
23 21 13 23-2197	EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	683.23		19.58
		For Chain Wheel, Add	43.45		
		For Valve Bracket Insulation, Add	38.20		
23 21 13 23-2198	EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	910.64		32.14
		For Chain Wheel, Add	43.45		
		For Valve Bracket Insulation, Add	38.20		
23 21 13 23-2199	EA	8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	1,002.18		45.17
		For Chain Wheel, Add	43.45		
		For Valve Bracket Insulation, Add	38.20		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-	2200	<b>Grooved Butterfly Valves, Standard Trim, With Operator</b> <small>(23 21 13 23-2193)</small>		
			Note: Copper body.		
23 21	13 23-	2201	EA 2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	556.18	10.02
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21	13 23-	2202	EA 3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	618.16	14.90
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21	13 23-	2203	EA 4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	784.53	19.58
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21	13 23-	2204	EA 6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	1,012.01	32.14
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21	13 23-	2205	EA 8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	1,103.49	45.17
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21	13 23-	2206	<b>Polyvinyl Chloride (PVC) Pressure Pipe And Fittings</b> <small>(23 21 13 23-)</small>		
			Note: Socket or back weld.		
23 21	13 23-	2207	<b>Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings</b> <small>(23 21 13 23-2206)</small>		
			Note: ASTM D1785 with D2466 fittings.		
23 21	13 23-	2208	<b>Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe</b> <small>(23 21 13 23-2207)</small>		
23 21	13 23-	2209	LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	4.35	2.68
			For Work In Restricted Working Space, Add	1.21	
23 21	13 23-	2210	LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	5.45	3.35
			For Work In Restricted Working Space, Add	1.51	
23 21	13 23-	2211	LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	5.97	3.57
			For Work In Restricted Working Space, Add	1.61	
23 21	13 23-	2212	LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	6.58	3.84
			For Work In Restricted Working Space, Add	1.73	
23 21	13 23-	2213	LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	6.79	3.91
			For Work In Restricted Working Space, Add	1.76	
23 21	13 23-	2214	LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	8.28	4.68
			For Work In Restricted Working Space, Add	2.11	
23 21	13 23-	2215	LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	10.33	5.56
			For Work In Restricted Working Space, Add	2.50	
23 21	13 23-	2216	LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	12.66	6.72
			For Work In Restricted Working Space, Add	3.02	
23 21	13 23-	2217	LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	18.85	10.07
			For Work In Restricted Working Space, Add	4.54	
23 21	13 23-	2218	LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	26.67	13.44
			For Work In Restricted Working Space, Add	6.05	
23 21	13 23-	2219	LF 8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	33.93	16.01
			For Work In Restricted Working Space, Add	7.21	
23 21	13 23-	2220	LF 10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	57.10	17.89
			For Work In Restricted Working Space, Add	8.04	
23 21	13 23-	2221	<b>Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows</b> <small>(23 21 13 23-2207)</small>		
23 21	13 23-	2222	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	15.72	10.12
			For Work In Restricted Working Space, Add	4.54	
23 21	13 23-	2223	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	20.99	13.40
			For Work In Restricted Working Space, Add	6.05	
23 21	13 23-	2224	EA 1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	26.49	16.68
			For Work In Restricted Working Space, Add	7.50	
23 21	13 23-	2225	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	38.12	23.62
			For Work In Restricted Working Space, Add	10.61	
23 21	13 23-	2226	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	42.80	26.61
			For Work In Restricted Working Space, Add	11.96	
23 21	13 23-	2227	EA 2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	55.26	33.83
			For Work In Restricted Working Space, Add	15.20	
23 21	13 23-	2228	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	88.97	50.04
			For Work In Restricted Working Space, Add	22.49	
23 21	13 23-	2229	EA 3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	115.47	65.79
			For Work In Restricted Working Space, Add	29.59	
23 21	13 23-	2230	EA 4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	147.20	78.15
			For Work In Restricted Working Space, Add	35.14	
23 21	13 23-	2231	EA 6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	205.87	89.30
			For Work In Restricted Working Space, Add	40.16	
23 21	13 23-	2232	EA 8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	341.53	104.21
			For Work In Restricted Working Space, Add	46.85	
23 21	13 23-	2233	EA 10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	510.64	155.37
			For Work In Restricted Working Space, Add	69.86	
23 21	13 23-	2234	<b>Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows</b> <small>(23 21 13 23-2207)</small>		
23 21	13 23-	2235	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	16.02	10.12
			For Work In Restricted Working Space, Add	4.54	
23 21	13 23-	2236	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	21.59	13.40
			For Work In Restricted Working Space, Add	6.05	
23 21	13 23-	2237	EA 1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	27.33	16.68
			For Work In Restricted Working Space, Add	7.50	
23 21	13 23-	2238	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	38.65	23.62
			For Work In Restricted Working Space, Add	10.61	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2239	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	44.00 11.96	26.61
23 21	13 23-2240	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	56.04 15.20	33.83
23 21	13 23-2241	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	88.97 22.49	50.04
23 21	13 23-2242	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	120.50 29.59	65.79
23 21	13 23-2243	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	156.37 35.14	78.15
23 21	13 23-2244	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	206.70 40.16	89.30
23 21	13 23-2245	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	331.41 46.85	104.21
23 21	13 23-2246	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	510.64 69.86	155.37
<b>23 21 13 23-2247 Schedule 40 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2207)</b>					
23 21	13 23-2248	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	25.71 7.50	16.68
23 21	13 23-2249	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	31.01 9.07	20.15
23 21	13 23-2250	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	41.37 11.96	26.61
23 21	13 23-2251	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	53.05 15.20	33.83
23 21	13 23-2252	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	63.38 18.14	40.30
23 21	13 23-2253	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	79.21 22.49	50.04
23 21	13 23-2254	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	112.77 29.59	65.79
23 21	13 23-2255	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	135.65 35.14	78.15
23 21	13 23-2256	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	189.72 46.85	104.21
23 21	13 23-2257	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	314.60 60.46	134.38
23 21	13 23-2258	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	512.20 74.97	166.71
23 21	13 23-2259	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	1,399.87 112.04	249.08
<b>23 21 13 23-2260 Schedule 40 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2207)</b>					
23 21	13 23-2261	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	32.37 9.37	20.80
23 21	13 23-2262	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	39.00 11.33	25.21
23 21	13 23-2263	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	52.20 14.96	33.27
23 21	13 23-2264	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	67.08 19.00	42.26
23 21	13 23-2265	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	80.17 22.67	50.42
23 21	13 23-2266	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	100.38 28.11	62.50
23 21	13 23-2267	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	145.47 36.99	82.28
23 21	13 23-2268	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	175.43 43.93	97.64
23 21	13 23-2269	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	247.80 58.57	130.25
23 21	13 23-2270	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	429.05 75.54	167.93
23 21	13 23-2271	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	723.39 93.66	208.22
23 21	13 23-2272	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	2,076.06 140.12	311.49
<b>23 21 13 23-2273 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2207)</b>					
23 21	13 23-2274	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	16.22 4.70	10.31
23 21	13 23-2275	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	21.21 6.02	13.21
23 21	13 23-2276	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	28.32 8.05	17.71
23 21	13 23-2277	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	35.00 10.03	22.02
23 21	13 23-2278	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	42.87 12.07	26.52
23 21	13 23-2279	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	60.02 16.75	36.83
23 21	13 23-2280	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	83.45 23.15	50.88

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2281	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	110.09 28.77	63.26
23 21	13 23-2282	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	146.83 33.47	73.65
23 21	13 23-2283	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	331.72 38.67	85.09
23 21	13 23-2284	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	398.06 51.87	114.14
<b>23 21 13 23-2285 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2207)</b>					
23 21	13 23-2286	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	16.38 4.54	10.12
23 21	13 23-2287	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	21.41 6.05	13.40
23 21	13 23-2288	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	26.55 7.50	16.68
23 21	13 23-2289	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	37.76 10.61	23.62
23 21	13 23-2290	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	42.62 11.96	26.61
23 21	13 23-2291	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	54.42 15.20	33.83
23 21	13 23-2292	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	80.41 22.49	50.04
23 21	13 23-2293	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	104.93 29.59	65.79
23 21	13 23-2294	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	131.33 35.14	78.15
<b>23 21 13 23-2295 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2207)</b>					
23 21	13 23-2296	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	16.80 4.54	10.12
23 21	13 23-2297	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	21.83 6.05	13.40
23 21	13 23-2298	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	27.39 7.50	16.68
23 21	13 23-2299	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	38.23 10.61	23.62
23 21	13 23-2300	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	43.70 11.96	26.61
23 21	13 23-2301	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	55.38 15.20	33.83
23 21	13 23-2302	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	81.49 22.49	50.04
23 21	13 23-2303	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	108.22 29.59	65.79
23 21	13 23-2304	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	129.42 35.14	78.15
<b>23 21 13 23-2305 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-2207)</b>					
23 21	13 23-2306	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	15.72 4.54	10.12
23 21	13 23-2307	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	20.93 6.05	13.40
23 21	13 23-2308	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	25.89 7.50	16.68
23 21	13 23-2309	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	36.80 10.61	23.62
23 21	13 23-2310	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	41.55 11.96	26.61
23 21	13 23-2311	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	52.93 15.20	33.83
23 21	13 23-2312	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	84.84 22.49	50.04
23 21	13 23-2313	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	111.93 29.59	65.79
23 21	13 23-2314	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	139.12 35.14	78.15
<b>23 21 13 23-2315 Schedule 40 Polyvinyl Chloride (PVC) P-Traps (23 21 13 23-2207)</b>					
23 21	13 23-2316	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps <i>For Work In Restricted Working Space, Add</i>	24.98 6.18	13.77
<b>23 21 13 23-2317 Schedule 40 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-2207)</b>					
23 21	13 23-2318	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	15.48 4.54	10.12
23 21	13 23-2319	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	20.63 6.05	13.40
23 21	13 23-2320	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	25.89 7.50	16.68

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2321	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	36.56 10.61	23.62
23 21	13 23-2322	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	41.19 11.96	26.61
23 21	13 23-2323	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	52.69 15.20	33.83
23 21	13 23-2324	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	79.51 22.49	50.04
23 21	13 23-2325	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	105.77 29.59	65.79
23 21	13 23-2326	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	127.50 35.14	78.15
23 21	13 23-2327	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	166.70 40.16	89.30
23 21	13 23-2328	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	217.50 46.85	104.21
23 21	13 23-2329	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	448.87 50.22	111.70
23 21	13 23-2330		<b>Schedule 40 Polyvinyl Chloride (PVC) Unions</b> (23 21 13 23-2207)		
23 21	13 23-2331	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	27.35 7.50	16.68
23 21	13 23-2332	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	40.35 9.07	20.15
23 21	13 23-2333	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	51.19 11.96	26.61
23 21	13 23-2334	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	78.20 15.20	33.83
23 21	13 23-2335	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	89.20 18.14	40.30
23 21	13 23-2336	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	113.71 22.49	50.04
23 21	13 23-2337	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	168.95 29.59	65.79
23 21	13 23-2338	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	191.64 35.14	78.15
23 21	13 23-2339	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	303.92 46.85	104.21
23 21	13 23-2340	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	399.48 60.43	134.38
23 21	13 23-2341	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	576.50 74.93	166.62
23 21	13 23-2342	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	848.68 93.04	206.81
23 21	13 23-2343		<b>Schedule 40 Polyvinyl Chloride (PVC) Caps</b> (23 21 13 23-2207)		
23 21	13 23-2344	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	7.38 2.07	4.56
23 21	13 23-2345	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	9.68 2.72	6.00
23 21	13 23-2346	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	12.20 3.37	7.40
23 21	13 23-2347	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	17.46 4.84	10.65
23 21	13 23-2348	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	19.39 5.39	11.81
23 21	13 23-2349	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	24.53 6.84	15.09
23 21	13 23-2350	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	39.42 10.12	22.31
23 21	13 23-2351	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	50.56 13.32	29.33
23 21	13 23-2352	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	66.84 15.81	34.77
23 21	13 23-2353	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	94.08 18.07	39.73
23 21	13 23-2354	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	183.48 21.09	46.39
23 21	13 23-2355	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	523.59 31.44	69.16
23 21	13 23-2356		<b>Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges</b> (23 21 13 23-2207)		
23 21	13 23-2357	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges <i>For Work In Restricted Working Space, Add</i>	37.03 7.50	16.68
23 21	13 23-2358	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	48.68 9.07	20.15
23 21	13 23-2359	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	60.41 11.96	26.61
23 21	13 23-2360	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	71.79 15.20	33.83
23 21	13 23-2361	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	82.07 18.14	40.30
23 21	13 23-2362	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	103.71 22.49	50.04



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2363	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	143.02 29.59	65.79
23 21 13 23-2364	EA		3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	166.13 35.14	78.15
23 21 13 23-2365	EA		4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	218.22 46.85	104.21
23 21 13 23-2366	EA		6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	298.99 60.43	134.38
23 21 13 23-2367	EA		8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	469.84 74.93	166.62
23 21 13 23-2368	EA		10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	805.67 92.89	206.54
<b>23 21 13 23-2369</b>			<b>Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings</b> (23 21 13 23-2206) Note: ASTM D1785 with D2467 fittings.		
<b>23 21 13 23-2370</b>			<b>Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe</b> (23 21 13 23-2369)		
23 21 13 23-2371	LF		1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	4.45 1.21	2.71
23 21 13 23-2372	LF		3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	5.57 1.51	3.38
23 21 13 23-2373	LF		1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	6.84 1.81	4.03
23 21 13 23-2374	LF		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	8.14 2.12	4.69
23 21 13 23-2375	LF		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	9.36 2.42	5.34
23 21 13 23-2376	LF		2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	11.97 3.02	6.75
23 21 13 23-2377	LF		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	13.92 3.33	7.40
23 21 13 23-2378	LF		3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	15.85 3.63	8.06
23 21 13 23-2379	LF		4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	20.64 4.54	10.12
23 21 13 23-2380	LF		6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	30.64 6.05	13.40
23 21 13 23-2381	LF		8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	40.01 7.21	16.02
23 21 13 23-2382	LF		10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	75.12 7.76	17.24
<b>23 21 13 23-2383</b>			<b>Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows</b> (23 21 13 23-2369)		
23 21 13 23-2384	EA		1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	17.28 4.54 2.27	10.12
23 21 13 23-2385	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	22.96 6.05 3.02	13.40
23 21 13 23-2386	EA		1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	29.54 7.50 3.75	16.68
23 21 13 23-2387	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	41.41 10.61 5.30	23.62
23 21 13 23-2388	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	46.34 11.96 5.98	26.61
23 21 13 23-2389	EA		2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	58.50 15.20 7.60	33.83
23 21 13 23-2390	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	93.35 22.49 11.24	50.04
23 21 13 23-2391	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	119.30 29.59 14.80	65.79
23 21 13 23-2392	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	148.52 35.14 17.57	78.15
23 21 13 23-2393	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	247.25 40.16 20.08	89.30
23 21 13 23-2394	EA		8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	402.62 46.85 23.43	104.21
23 21 13 23-2395	EA		10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	510.64 69.86 34.93	155.37
<b>23 21 13 23-2396</b>			<b>Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows</b> (23 21 13 23-2369)		
23 21 13 23-2397	EA		1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	19.25 4.54 2.27	10.12

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2398	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	26.44	13.40
			<i>For Work In Restricted Working Space, Add</i>	6.05	
			<i>For Threaded Fittings, Add</i>	3.02	
23 21	13 23-2399	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	34.45	16.68
			<i>For Work In Restricted Working Space, Add</i>	7.50	
			<i>For Threaded Fittings, Add</i>	3.75	
23 21	13 23-2400	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	47.46	23.62
			<i>For Work In Restricted Working Space, Add</i>	10.61	
			<i>For Threaded Fittings, Add</i>	5.30	
23 21	13 23-2401	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	54.12	26.61
			<i>For Work In Restricted Working Space, Add</i>	11.96	
			<i>For Threaded Fittings, Add</i>	5.98	
23 21	13 23-2402	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	69.16	33.83
			<i>For Work In Restricted Working Space, Add</i>	15.20	
			<i>For Threaded Fittings, Add</i>	7.60	
23 21	13 23-2403	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	113.89	50.04
			<i>For Work In Restricted Working Space, Add</i>	22.49	
			<i>For Threaded Fittings, Add</i>	11.24	
23 21	13 23-2404	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	146.01	65.79
			<i>For Work In Restricted Working Space, Add</i>	29.59	
			<i>For Threaded Fittings, Add</i>	14.80	
23 21	13 23-2405	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	202.49	78.15
			<i>For Work In Restricted Working Space, Add</i>	35.14	
			<i>For Threaded Fittings, Add</i>	17.57	
23 21	13 23-2406	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	241.33	89.30
			<i>For Work In Restricted Working Space, Add</i>	40.16	
			<i>For Threaded Fittings, Add</i>	20.08	
23 21	13 23-2407	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	389.16	104.21
			<i>For Work In Restricted Working Space, Add</i>	46.85	
			<i>For Threaded Fittings, Add</i>	23.43	
23 21	13 23-2408	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	495.50	155.37
			<i>For Work In Restricted Working Space, Add</i>	69.86	
			<i>For Threaded Fittings, Add</i>	34.93	
<b>23 21</b>	<b>13 23-2409</b>		<b>Schedule 80 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2369)</b>		
23 21	13 23-2410	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	29.90	15.83
			<i>For Work In Restricted Working Space, Add</i>	7.12	
			<i>For Threaded Fittings, Add</i>	3.56	
23 21	13 23-2411	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	36.70	20.15
			<i>For Work In Restricted Working Space, Add</i>	9.07	
			<i>For Threaded Fittings, Add</i>	4.53	
23 21	13 23-2412	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	47.96	26.61
			<i>For Work In Restricted Working Space, Add</i>	11.96	
			<i>For Threaded Fittings, Add</i>	5.98	
23 21	13 23-2413	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	72.99	33.83
			<i>For Work In Restricted Working Space, Add</i>	15.20	
			<i>For Threaded Fittings, Add</i>	7.60	
23 21	13 23-2414	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	82.79	40.30
			<i>For Work In Restricted Working Space, Add</i>	18.14	
			<i>For Threaded Fittings, Add</i>	9.07	
23 21	13 23-2415	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	102.93	50.04
			<i>For Work In Restricted Working Space, Add</i>	22.49	
			<i>For Threaded Fittings, Add</i>	11.24	
23 21	13 23-2416	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	129.07	65.79
			<i>For Work In Restricted Working Space, Add</i>	29.59	
			<i>For Threaded Fittings, Add</i>	14.80	
23 21	13 23-2417	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	155.11	78.15
			<i>For Work In Restricted Working Space, Add</i>	35.14	
			<i>For Threaded Fittings, Add</i>	17.57	
23 21	13 23-2418	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	200.20	104.21
			<i>For Work In Restricted Working Space, Add</i>	46.85	
			<i>For Threaded Fittings, Add</i>	23.43	
23 21	13 23-2419	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	351.92	134.38
			<i>For Work In Restricted Working Space, Add</i>	60.46	
			<i>For Threaded Fittings, Add</i>	30.23	
23 21	13 23-2420	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	598.70	166.71
			<i>For Work In Restricted Working Space, Add</i>	74.97	
			<i>For Threaded Fittings, Add</i>	37.48	
23 21	13 23-2421	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	1,399.94	249.08
			<i>For Work In Restricted Working Space, Add</i>	112.04	
			<i>For Threaded Fittings, Add</i>	56.02	
<b>23 21</b>	<b>13 23-2422</b>		<b>Schedule 80 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2369)</b>		
23 21	13 23-2423	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses.....	39.33	19.77
			<i>For Work In Restricted Working Space, Add</i>	8.90	
			<i>For Threaded Fittings, Add</i>	4.45	
23 21	13 23-2424	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses.....	47.92	25.21
			<i>For Work In Restricted Working Space, Add</i>	11.33	
			<i>For Threaded Fittings, Add</i>	5.67	
23 21	13 23-2425	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses.....	62.52	33.27
			<i>For Work In Restricted Working Space, Add</i>	14.96	
			<i>For Threaded Fittings, Add</i>	7.48	
23 21	13 23-2426	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses.....	98.34	42.26
			<i>For Work In Restricted Working Space, Add</i>	19.00	
			<i>For Threaded Fittings, Add</i>	9.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13	23-2427	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	110.59 22.67 11.34	50.42
23 21	13	23-2428	EA 2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	137.55 28.11 14.06	62.50
23 21	13	23-2429	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	171.01 36.99 18.50	82.28
23 21	13	23-2430	EA 3" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	205.95 43.93 21.96	97.64
23 21	13	23-2431	EA 4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	264.24 58.57 29.28	130.25
23 21	13	23-2432	EA 6" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	487.55 75.54 37.77	167.93
23 21	13	23-2433	EA 8" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	858.99 93.66 46.83	208.22
23 21	13	23-2434	EA 10" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	2,076.17 140.12 70.06	311.49
<b>23 21 13 23-2435 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2369)</b>					
23 21	13	23-2436	EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	21.41 6.05	13.40
23 21	13	23-2437	EA 1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	28.64 7.50	16.68
23 21	13	23-2438	EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	41.11 10.61	23.62
23 21	13	23-2439	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	47.71 11.96	26.61
23 21	13	23-2440	EA 2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	61.85 15.20	33.83
23 21	13	23-2441	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	94.36 22.49	50.04
23 21	13	23-2442	EA 3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	129.48 29.59	65.79
23 21	13	23-2443	EA 4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	159.90 35.14	78.15
23 21	13	23-2444	EA 6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	181.31 40.16	89.30
23 21	13	23-2445	EA 8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	261.46 46.85	104.21
23 21	13	23-2446	EA 10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	406.61 54.43	120.98
<b>23 21 13 23-2447 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2369)</b>					
23 21	13	23-2448	EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	15.54 4.54	10.12
23 21	13	23-2449	EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	22.49 6.05	13.40
23 21	13	23-2450	EA 1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	28.64 7.50	16.68
23 21	13	23-2451	EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	42.79 10.61	23.62
23 21	13	23-2452	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	49.21 11.96	26.61
23 21	13	23-2453	EA 2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	62.09 15.20	33.83
23 21	13	23-2454	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	99.15 22.49	50.04
23 21	13	23-2455	EA 3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	143.43 29.59	65.79
23 21	13	23-2456	EA 4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	186.01 35.14	78.15
<b>23 21 13 23-2457 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2369)</b>					
23 21	13	23-2458	EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	20.21 4.54	10.12
23 21	13	23-2459	EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	25.78 6.05	13.40
23 21	13	23-2460	EA 1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	34.81 7.50	16.68
23 21	13	23-2461	EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	46.86 10.61	23.62
23 21	13	23-2462	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	56.40 11.96	26.61
23 21	13	23-2463	EA 2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	72.21 15.20	33.83
23 21	13	23-2464	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	99.51 22.49	50.04

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2465	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	125.89 29.59	65.79
23 21	13 23-2466	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	165.59 35.14	78.15
<b>23 21 13 23-2467 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters</b> <small>(23 21 13 23-2369)</small>					
23 21	13 23-2468	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	18.83 4.54	10.12
23 21	13 23-2469	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	25.66 6.05	13.40
23 21	13 23-2470	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	33.13 7.50	16.68
23 21	13 23-2471	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	48.59 10.61	23.62
23 21	13 23-2472	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	56.10 11.96	26.61
23 21	13 23-2473	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	78.92 15.20	33.83
23 21	13 23-2474	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	119.64 22.49	50.04
23 21	13 23-2475	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	148.94 29.59	65.79
23 21	13 23-2476	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	203.62 35.14	78.15
<b>23 21 13 23-2477 Schedule 80 Polyvinyl Chloride (PVC) Couplings</b> <small>(23 21 13 23-2369)</small>					
23 21	13 23-2478	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	19.07 4.54 2.27	10.12
23 21	13 23-2479	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	25.48 6.05 3.02	13.40
23 21	13 23-2480	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	30.50 7.50 3.75	16.68
23 21	13 23-2481	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	43.80 10.61 5.30	23.62
23 21	13 23-2482	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	48.97 11.96 5.98	26.61
23 21	13 23-2483	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	60.35 15.20 7.60	33.83
23 21	13 23-2484	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	98.97 22.49 11.24	50.04
23 21	13 23-2485	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	126.25 29.59 14.80	65.79
23 21	13 23-2486	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	151.75 35.14 17.57	78.15
23 21	13 23-2487	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	208.32 40.16 20.08	89.30
23 21	13 23-2488	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	257.51 46.85 23.43	104.21
23 21	13 23-2489	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	466.84 50.22 25.11	111.70
<b>23 21 13 23-2490 Schedule 80 Polyvinyl Chloride (PVC) Unions</b> <small>(23 21 13 23-2369)</small>					
23 21	13 23-2491	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	33.85 7.50	16.68
23 21	13 23-2492	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	40.47 9.07	20.15
23 21	13 23-2493	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	51.55 11.96	26.61
23 21	13 23-2494	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	79.88 15.20	33.83
23 21	13 23-2495	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	98.06 18.14	40.30
23 21	13 23-2496	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	125.92 22.49	50.04
23 21	13 23-2497	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	193.53 29.59	65.79
23 21	13 23-2498	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	239.45 35.14	78.15
23 21	13 23-2499	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	304.28 46.85	104.21
23 21	13 23-2500	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	399.48 60.43	134.38

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23 21 13 23-2501	EA		8" Schedule 80 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	576.50 74.93	166.62
23 21 13 23-2502	EA		10" Schedule 80 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	848.19 92.89	206.54
<b>23 21 13 23-2503 Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions (23 21 13 23-2369)</b>					
23 21 13 23-2504	EA		1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	36.38	20.82
23 21 13 23-2505	EA		3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	43.28	24.08
23 21 13 23-2506	EA		1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	52.29	28.40
23 21 13 23-2507	EA		1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	69.08	33.83
23 21 13 23-2508	EA		1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	83.17	40.30
23 21 13 23-2509	EA		2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	109.64	50.04
23 21 13 23-2510	EA		3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	233.29	96.99
23 21 13 23-2511	EA		4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	253.44	107.58
<b>23 21 13 23-2512 Schedule 80 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2369)</b>					
23 21 13 23-2513	EA		1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	12.38 2.04 1.02	4.50
23 21 13 23-2514	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	14.95 2.72 1.36	6.00
23 21 13 23-2515	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	21.66 3.37 1.69	7.40
23 21 13 23-2516	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	28.49 4.77 2.39	10.50
23 21 13 23-2517	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	30.53 5.39 2.69	11.81
23 21 13 23-2518	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	41.65 6.84 3.42	15.09
23 21 13 23-2519	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	72.48 10.12 5.06	22.31
23 21 13 23-2520	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	91.76 13.32 6.66	29.33
23 21 13 23-2521	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	128.89 15.81 7.91	34.77
23 21 13 23-2522	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	249.49 18.07 9.04	39.73
23 21 13 23-2523	EA		8" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	330.26 21.09 10.54	46.39
23 21 13 23-2524	EA		10" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	583.47 31.44 15.72	69.16
<b>23 21 13 23-2525 Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges (23 21 13 23-2369)</b>					
23 21 13 23-2526	EA		1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	42.18 7.50 3.75	16.68
23 21 13 23-2527	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	48.68 9.07 4.53	20.15
23 21 13 23-2528	EA		1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	60.41 11.96 5.98	26.61
23 21 13 23-2529	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	71.79 15.20 7.60	33.83
23 21 13 23-2530	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	82.07 18.14 9.07	40.30
23 21 13 23-2531	EA		2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	103.71 22.49 11.24	50.04
23 21 13 23-2532	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	143.02 29.59 14.80	65.79
23 21 13 23-2533	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	166.13 35.14 17.57	78.15
23 21 13 23-2534	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	218.22 46.85 23.43	104.21
23 21 13 23-2535	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	299.00 60.43 30.22	134.38

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2536	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	469.84 74.93 37.46	166.62
23 21	13 23-2537	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	805.67 92.89 46.45	206.54
<b>23 21</b>	<b>13 23-2538</b>		<b>Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2206)</b> Note: In place pipe.		
23 21	13 23-2539	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	5.09 1.53	
23 21	13 23-2540	EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	5.49 1.65	
23 21	13 23-2541	EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	6.18 1.85	
23 21	13 23-2542	EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	6.49 1.95	
23 21	13 23-2543	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	6.86 2.06	
23 21	13 23-2544	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	7.56 2.27	
23 21	13 23-2545	EA	2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	8.14 2.44	
23 21	13 23-2546	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	9.61 2.88	
23 21	13 23-2547	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	12.97 3.89	
23 21	13 23-2548	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	18.54 5.56	
23 21	13 23-2549	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	24.72 7.42	
23 21	13 23-2550	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	30.23 9.07	
<b>23 21</b>	<b>13 23-2551</b>		<b>Polyethylene Pipe And Fittings (23 21 13 23)</b>		
<b>23 21</b>	<b>13 23-2552</b>		<b>Small Diameter Tubing (23 21 13 23-2551)</b>		
<b>23 21</b>	<b>13 23-2553</b>		<b>Tubing (23 21 13 23-2552)</b>		
23 21	13 23-2554	LF	1/4" Polyethylene Tubing ..... <i>For Work In Restricted Working Space, Add</i>	2.90 0.85	
23 21	13 23-2555	LF	5/16" Polyethylene Tubing ..... <i>For Work In Restricted Working Space, Add</i>	3.03 0.86	
23 21	13 23-2556	LF	3/8" Polyethylene Tubing ..... <i>For Work In Restricted Working Space, Add</i>	3.13 0.88	
23 21	13 23-2557	LF	1/2" Polyethylene Tubing ..... <i>For Work In Restricted Working Space, Add</i>	3.32 0.95	
<b>23 21</b>	<b>13 23-2558</b>		<b>Chrome Plated Pipe (23 21 13 23)</b>		
<b>23 21</b>	<b>13 23-2559</b>		<b>Chrome Plated Nipples (23 21 13 23-2558)</b>		
<b>23 21</b>	<b>13 23-2560</b>		<b>Close (23 21 13 23-2559)</b>		
23 21	13 23-2561	EA	1/4" Diameter Chrome Plated Nipple, Close ..... 23 21 13 23-2562 EA 3/8" Diameter Chrome Plated Nipple, Close ..... 23 21 13 23-2563 EA 1/2" Diameter Chrome Plated Nipple, Close ..... 23 21 13 23-2564 EA 3/4" Diameter Chrome Plated Nipple, Close ..... 23 21 13 23-2565 EA 1" Diameter Chrome Plated Nipple, Close ..... 23 21 13 23-2566 EA 1-1/4" Diameter Chrome Plated Nipple, Close ..... 23 21 13 23-2567 EA 1-1/2" Diameter Chrome Plated Nipple, Close ..... 23 21 13 23-2568 EA 2" Diameter Chrome Plated Nipple, Close .....	18.75 17.73 22.19 29.21 39.17 55.55 68.01 87.90	8.14 8.85 10.18 12.92 16.99 23.70 27.78 34.60
<b>23 21</b>	<b>13 23-2569</b>		<b>1-1/2" Nipples (23 21 13 23-2559)</b>		
23 21	13 23-2570	EA	1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	20.07	8.45
23 21	13 23-2571	EA	3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	18.75	9.16
23 21	13 23-2572	EA	1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	22.73	10.48
23 21	13 23-2573	EA	3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	30.27	13.22
<b>23 21</b>	<b>13 23-2574</b>		<b>2" Nipples (23 21 13 23-2559)</b>		
23 21	13 23-2575	EA	1/4" Diameter, 2" Length, Chrome Plated Nipple.....	20.88	8.85
23 21	13 23-2576	EA	3/8" Diameter, 2" Length, Chrome Plated Nipple.....	19.40	9.46
23 21	13 23-2577	EA	1/2" Diameter, 2" Length, Chrome Plated Nipple.....	24.58	10.88
23 21	13 23-2578	EA	3/4" Diameter, 2" Length, Chrome Plated Nipple.....	31.83	13.54
23 21	13 23-2579	EA	1" Diameter, 2" Length, Chrome Plated Nipple.....	41.50	17.61
23 21	13 23-2580	EA	1-1/4" Diameter, 2" Length, Chrome Plated Nipple.....	59.42	24.42
23 21	13 23-2581	EA	1-1/2" Diameter, 2" Length, Chrome Plated Nipple.....	72.52	28.49
<b>23 21</b>	<b>13 23-2582</b>		<b>2-1/2" Nipples (23 21 13 23-2559)</b>		
23 21	13 23-2583	EA	1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	22.11	9.16
23 21	13 23-2584	EA	3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	20.10	9.87
23 21	13 23-2585	EA	1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	25.67	11.20

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2586	EA		3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	32.60	13.94
23 21 13 23-2587	EA		1" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	42.71	18.01
23 21 13 23-2588	EA		1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	63.22	24.72
23 21 13 23-2589	EA		1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	77.61	28.79
23 21 13 23-2590	EA		2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	98.95	35.62
<b>23 21 13 23-2591</b>			<b>3" Nipples</b> <small>(23 21 13 23-2599)</small>		
23 21 13 23-2592	EA		1/4" Diameter, 3" Length, Chrome Plated Nipple.....	23.05	9.46
23 21 13 23-2593	EA		3/8" Diameter, 3" Length, Chrome Plated Nipple.....	21.35	10.18
23 21 13 23-2594	EA		1/2" Diameter, 3" Length, Chrome Plated Nipple.....	25.37	10.88
23 21 13 23-2595	EA		3/4" Diameter, 3" Length, Chrome Plated Nipple.....	35.35	14.24
23 21 13 23-2596	EA		1" Diameter, 3" Length, Chrome Plated Nipple.....	48.39	18.31
23 21 13 23-2597	EA		1-1/4" Diameter, 3" Length, Chrome Plated Nipple.....	67.37	25.14
23 21 13 23-2598	EA		1-1/2" Diameter, 3" Length, Chrome Plated Nipple.....	89.69	29.20
23 21 13 23-2599	EA		2" Diameter, 3" Length, Chrome Plated Nipple.....	108.41	36.02
<b>23 21 13 23-2600</b>			<b>3-1/2" Nipples</b> <small>(23 21 13 23-2599)</small>		
23 21 13 23-2601	EA		1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	24.11	9.87
23 21 13 23-2602	EA		3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	23.52	10.48
23 21 13 23-2603	EA		1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	27.99	11.90
23 21 13 23-2604	EA		3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	39.45	14.55
23 21 13 23-2605	EA		1" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	50.55	18.62
23 21 13 23-2606	EA		1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	75.60	25.44
23 21 13 23-2607	EA		1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	93.27	29.51
23 21 13 23-2608	EA		2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	115.92	36.32
<b>23 21 13 23-2609</b>			<b>4" Nipples</b> <small>(23 21 13 23-2599)</small>		
23 21 13 23-2610	EA		1/4" Diameter, 4" Length, Chrome Plated Nipple.....	25.17	10.18
23 21 13 23-2611	EA		3/8" Diameter, 4" Length, Chrome Plated Nipple.....	24.10	10.88
23 21 13 23-2612	EA		1/2" Diameter, 4" Length, Chrome Plated Nipple.....	28.32	11.50
23 21 13 23-2613	EA		3/4" Diameter, 4" Length, Chrome Plated Nipple.....	41.03	14.96
23 21 13 23-2614	EA		1" Diameter, 4" Length, Chrome Plated Nipple.....	52.59	19.03
23 21 13 23-2615	EA		1-1/4" Diameter, 4" Length, Chrome Plated Nipple.....	81.84	25.74
23 21 13 23-2616	EA		1-1/2" Diameter, 4" Length, Chrome Plated Nipple.....	100.69	29.81
23 21 13 23-2617	EA		2" Diameter, 4" Length, Chrome Plated Nipple.....	125.12	36.63
<b>23 21 13 23-2618</b>			<b>4-1/2" Nipples</b> <small>(23 21 13 23-2599)</small>		
23 21 13 23-2619	EA		1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	26.12	10.48
23 21 13 23-2620	EA		3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	26.27	11.20
23 21 13 23-2621	EA		1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	31.09	12.52
23 21 13 23-2622	EA		3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	42.85	15.26
23 21 13 23-2623	EA		1" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	59.83	19.33
23 21 13 23-2624	EA		1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	87.83	26.15
23 21 13 23-2625	EA		1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	103.97	30.22
23 21 13 23-2626	EA		2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	133.56	37.04
<b>23 21 13 23-2627</b>			<b>5" Nipples</b> <small>(23 21 13 23-2599)</small>		
23 21 13 23-2628	EA		1/4" Diameter, 5" Length, Chrome Plated Nipple.....	29.50	10.88
23 21 13 23-2629	EA		3/8" Diameter, 5" Length, Chrome Plated Nipple.....	27.60	11.50
23 21 13 23-2630	EA		1/2" Diameter, 5" Length, Chrome Plated Nipple.....	32.23	12.92
23 21 13 23-2631	EA		3/4" Diameter, 5" Length, Chrome Plated Nipple.....	44.58	15.57
23 21 13 23-2632	EA		1" Diameter, 5" Length, Chrome Plated Nipple.....	64.20	19.63
23 21 13 23-2633	EA		1-1/4" Diameter, 5" Length, Chrome Plated Nipple.....	93.27	26.46
23 21 13 23-2634	EA		1-1/2" Diameter, 5" Length, Chrome Plated Nipple.....	111.41	30.53
23 21 13 23-2635	EA		2" Diameter, 5" Length, Chrome Plated Nipple.....	139.00	37.34
<b>23 21 13 23-2636</b>			<b>5-1/2" Nipples</b> <small>(23 21 13 23-2599)</small>		
23 21 13 23-2637	EA		1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	30.47	11.20
23 21 13 23-2638	EA		3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	28.64	11.90
23 21 13 23-2639	EA		1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	35.62	13.22
23 21 13 23-2640	EA		3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	46.32	15.97
23 21 13 23-2641	EA		1" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	66.44	20.05
23 21 13 23-2642	EA		1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	99.87	26.76
23 21 13 23-2643	EA		1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	117.34	30.83
23 21 13 23-2644	EA		2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	145.93	37.64
<b>23 21 13 23-2645</b>			<b>6" Nipples</b> <small>(23 21 13 23-2599)</small>		
23 21 13 23-2646	EA		1/4" Diameter, 6" Length, Chrome Plated Nipple.....	31.61	11.50
23 21 13 23-2647	EA		3/8" Diameter, 6" Length, Chrome Plated Nipple.....	29.17	12.21
23 21 13 23-2648	EA		1/2" Diameter, 6" Length, Chrome Plated Nipple.....	36.66	13.54
23 21 13 23-2649	EA		3/4" Diameter, 6" Length, Chrome Plated Nipple.....	47.71	16.28
23 21 13 23-2650	EA		1" Diameter, 6" Length, Chrome Plated Nipple.....	73.47	20.35
23 21 13 23-2651	EA		1-1/4" Diameter, 6" Length, Chrome Plated Nipple.....	103.90	27.17
23 21 13 23-2652	EA		1-1/2" Diameter, 6" Length, Chrome Plated Nipple.....	126.49	31.23
23 21 13 23-2653	EA		2" Diameter, 6" Length, Chrome Plated Nipple.....	152.28	38.06

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2654			<b>8" Nipples</b> (23 21 13 23-2559)		
23 21 13 23-2655	EA		3/8" Diameter, 8" Length, Chrome Plated Nipple .....	35.32	12.92
23 21 13 23-2656	EA		1/2" Diameter, 8" Length, Chrome Plated Nipple .....	53.65	14.24
23 21 13 23-2657	EA		3/4" Diameter, 8" Length, Chrome Plated Nipple .....	65.34	16.99
23 21 13 23-2658	EA		1" Diameter, 8" Length, Chrome Plated Nipple .....	87.29	21.06
23 21 13 23-2659	EA		1-1/4" Diameter, 8" Length, Chrome Plated Nipple .....	125.96	27.78
23 21 13 23-2660	EA		1-1/2" Diameter, 8" Length, Chrome Plated Nipple .....	155.40	31.85
23 21 13 23-2661	EA		2" Diameter, 8" Length, Chrome Plated Nipple .....	191.67	38.66
23 21 13 23-2662			<b>10" Nipples</b> (23 21 13 23-2559)		
23 21 13 23-2663	EA		3/8" Diameter, 10" Length, Chrome Plated Nipple .....	41.35	12.92
23 21 13 23-2664	EA		1/2" Diameter, 10" Length, Chrome Plated Nipple .....	61.24	14.24
23 21 13 23-2665	EA		3/4" Diameter, 10" Length, Chrome Plated Nipple .....	74.13	16.99
23 21 13 23-2666	EA		1" Diameter, 10" Length, Chrome Plated Nipple .....	100.59	21.06
23 21 13 23-2667	EA		1-1/4" Diameter, 10" Length, Chrome Plated Nipple .....	154.44	27.78
23 21 13 23-2668	EA		1-1/2" Diameter, 10" Length, Chrome Plated Nipple .....	177.09	31.85
23 21 13 23-2669	EA		2" Diameter, 10" Length, Chrome Plated Nipple .....	226.35	38.66
23 21 13 23-2670			<b>12" Nipples</b> (23 21 13 23-2559)		
23 21 13 23-2671	EA		3/8" Diameter, 12" Length, Chrome Plated Nipple .....	46.17	14.24
23 21 13 23-2672	EA		1/2" Diameter, 12" Length, Chrome Plated Nipple .....	64.11	14.96
23 21 13 23-2673	EA		3/4" Diameter, 12" Length, Chrome Plated Nipple .....	82.21	17.61
23 21 13 23-2674	EA		1" Diameter, 12" Length, Chrome Plated Nipple .....	118.80	22.38
23 21 13 23-2675	EA		1-1/4" Diameter, 12" Length, Chrome Plated Nipple .....	173.89	29.20
23 21 13 23-2676	EA		2" Diameter, 12" Length, Chrome Plated Nipple .....	256.14	40.09
23 21 13 23-2677			<b>18" Nipples</b> (23 21 13 23-2559)		
23 21 13 23-2678	EA		3/8" Diameter, 18" Length, Chrome Plated Nipple .....	59.87	14.96
23 21 13 23-2679			<b>24" Nipples</b> (23 21 13 23-2559)		
23 21 13 23-2680	EA		3/8" Diameter, 24" Length, Chrome Plated Nipple .....	72.97	15.57
23 21 13 23-2681			<b>30" Nipples</b> (23 21 13 23-2559)		
23 21 13 23-2682	EA		3/8" Diameter, 30" Length, Chrome Plated Nipple .....	81.24	16.28
23 21 13 23-2683			<b>36" Nipples</b> (23 21 13 23-2559)		
23 21 13 23-2684	EA		3/8" Diameter, 36" Length, Chrome Plated Nipple .....	89.55	16.99
23 21 13 23-2685			<b>Chrome Plated Fittings</b> (23 21 13 23-2558)		
23 21 13 23-2686			<b>Chrome Plated 90 Degree Elbows</b> (23 21 13 23-2685)		
23 21 13 23-2687	EA		1/4" 90 Degree Elbow, Chrome Plated .....	24.38	9.46
23 21 13 23-2688	EA		3/8" 90 Degree Elbow, Chrome Plated .....	24.75	10.18
23 21 13 23-2689	EA		1/2" 90 Degree Elbow, Chrome Plated .....	28.00	10.88
23 21 13 23-2690	EA		3/4" 90 Degree Elbow, Chrome Plated .....	35.64	14.24
23 21 13 23-2691	EA		1" 90 Degree Elbow, Chrome Plated .....	48.65	18.31
23 21 13 23-2692	EA		1-1/4" 90 Degree Elbow, Chrome Plated .....	75.61	25.14
23 21 13 23-2693	EA		1-1/2" 90 Degree Elbow, Chrome Plated .....	91.09	29.20
23 21 13 23-2694	EA		2" 90 Degree Elbow, Chrome Plated .....	125.72	36.02
23 21 13 23-2695			<b>Chrome Plated Street 90 Degree Elbows</b> (23 21 13 23-2685)		
23 21 13 23-2696	EA		1/4" Street 90 Degree Elbow, Chrome Plated .....	28.63	9.46
23 21 13 23-2697	EA		3/8" Street 90 Degree Elbow, Chrome Plated .....	29.41	10.18
23 21 13 23-2698	EA		1/2" Street 90 Degree Elbow, Chrome Plated .....	31.24	10.88
23 21 13 23-2699	EA		3/4" Street 90 Degree Elbow, Chrome Plated .....	40.42	14.24
23 21 13 23-2700	EA		1" Street 90 Degree Elbow, Chrome Plated .....	57.47	18.31
23 21 13 23-2701	EA		1-1/4" Street 90 Degree Elbow, Chrome Plated .....	84.66	25.14
23 21 13 23-2702	EA		1-1/2" Street 90 Degree Elbow, Chrome Plated .....	103.75	29.20
23 21 13 23-2703	EA		2" Street 90 Degree Elbow, Chrome Plated .....	155.52	36.02
23 21 13 23-2704			<b>Chrome Plated 45 Degree Elbows</b> (23 21 13 23-2685)		
23 21 13 23-2705	EA		1/4" 45 Degree Elbow, Chrome Plated .....	25.31	9.46
23 21 13 23-2706	EA		3/8" 45 Degree Elbow, Chrome Plated .....	26.09	10.18
23 21 13 23-2707	EA		1/2" 45 Degree Elbow, Chrome Plated .....	28.96	10.88
23 21 13 23-2708	EA		3/4" 45 Degree Elbow, Chrome Plated .....	39.29	14.24
23 21 13 23-2709	EA		1" 45 Degree Elbow, Chrome Plated .....	52.74	18.31
23 21 13 23-2710	EA		1-1/4" 45 Degree Elbow, Chrome Plated .....	80.52	25.14
23 21 13 23-2711	EA		1-1/2" 45 Degree Elbow, Chrome Plated .....	97.65	29.20
23 21 13 23-2712	EA		2" 45 Degree Elbow, Chrome Plated .....	143.75	36.02
23 21 13 23-2713			<b>Chrome Plated Street 45 Degree Elbows</b> (23 21 13 23-2685)		
23 21 13 23-2714	EA		1/2" Street 45 Degree Elbow, Chrome Plated .....	34.80	10.88



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 13 23-2715</b>		<b>Chrome Plated Couplings (23 21 13 23-2685)</b>		
23 21 13 23-2716	EA	1/4" Coupling, Chrome Plated.....	23.80	9.46
23 21 13 23-2717	EA	3/8" Coupling, Chrome Plated.....	24.82	10.18
23 21 13 23-2718	EA	1/2" Coupling, Chrome Plated.....	28.24	10.88
23 21 13 23-2719	EA	3/4" Coupling, Chrome Plated.....	35.73	14.24
23 21 13 23-2720	EA	1" Coupling, Chrome Plated.....	46.64	18.31
23 21 13 23-2721	EA	1-1/4" Coupling, Chrome Plated.....	68.27	25.14
23 21 13 23-2722	EA	1-1/2" Coupling, Chrome Plated.....	84.94	29.20
23 21 13 23-2723	EA	2" Coupling, Chrome Plated.....	118.22	36.02
<b>23 21 13 23-2724</b>		<b>Chrome Plated Unions (23 21 13 23-2685)</b>		
23 21 13 23-2725	EA	1/4" Union, Chrome Plated.....	39.36	10.88
23 21 13 23-2726	EA	3/8" Union, Chrome Plated.....	40.40	11.50
23 21 13 23-2727	EA	1/2" Union, Chrome Plated.....	49.11	12.92
23 21 13 23-2728	EA	3/4" Union, Chrome Plated.....	60.65	16.99
23 21 13 23-2729	EA	1" Union, Chrome Plated.....	76.62	21.67
23 21 13 23-2730	EA	1-1/4" Union, Chrome Plated.....	125.83	29.20
23 21 13 23-2731	EA	1-1/2" Union, Chrome Plated.....	157.12	34.60
23 21 13 23-2732	EA	2" Union, Chrome Plated.....	205.84	42.13
<b>23 21 13 23-2733</b>		<b>Chrome Plated Caps (23 21 13 23-2685)</b>		
23 21 13 23-2734	EA	1/4" Cap, Chrome Plated.....	16.45	4.78
23 21 13 23-2735	EA	3/8" Cap, Chrome Plated.....	16.95	5.09
23 21 13 23-2736	EA	1/2" Cap, Chrome Plated.....	19.45	5.39
23 21 13 23-2737	EA	3/4" Cap, Chrome Plated.....	24.17	7.13
23 21 13 23-2738	EA	1" Cap, Chrome Plated.....	28.55	9.16
23 21 13 23-2739	EA	1-1/4" Cap, Chrome Plated.....	42.39	12.52
23 21 13 23-2740	EA	1-1/2" Cap, Chrome Plated.....	56.37	14.55
23 21 13 23-2741	EA	2" Cap, Chrome Plated.....	83.01	19.03
<b>23 21 13 23-2742</b>		<b>Chrome Plated Plugs (23 21 13 23-2685)</b>		
23 21 13 23-2743	EA	1/4" Plug, Chrome Plated.....	13.21	4.78
23 21 13 23-2744	EA	3/8" Plug, Chrome Plated.....	13.71	5.09
23 21 13 23-2745	EA	1/2" Plug, Chrome Plated.....	16.04	5.39
23 21 13 23-2746	EA	3/4" Plug, Chrome Plated.....	21.75	7.13
23 21 13 23-2747	EA	1" Plug, Chrome Plated.....	26.70	9.16
23 21 13 23-2748	EA	1-1/4" Plug, Chrome Plated.....	36.00	12.52
23 21 13 23-2749	EA	1-1/2" Plug, Chrome Plated.....	44.67	14.55
23 21 13 23-2750	EA	2" Plug, Chrome Plated.....	62.66	19.03
<b>23 21 13 23-2751</b>		<b>Chrome Plated Tees (23 21 13 23-2685)</b>		
23 21 13 23-2752	EA	1/4" Chrome Plated Tee.....	33.60	14.24
23 21 13 23-2753	EA	3/8" Chrome Plated Tee.....	35.63	15.57
23 21 13 23-2754	EA	1/2" Chrome Plated Tee.....	39.83	16.99
23 21 13 23-2755	EA	3/4" Chrome Plated Tee.....	49.63	21.06
23 21 13 23-2756	EA	1" Chrome Plated Tee.....	71.30	27.17
23 21 13 23-2757	EA	1-1/4" Chrome Plated Tee.....	98.32	37.34
23 21 13 23-2758	EA	1-1/2" Chrome Plated Tee.....	127.02	43.45
23 21 13 23-2759	EA	2" Chrome Plated Tee.....	175.85	53.62
<b>23 21 13 23-2760</b>		<b>Chrome Plated Reducing 90 Degree Elbows (23 21 13 23-2685)</b>		
23 21 13 23-2761	EA	1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated.....	37.67	16.99
23 21 13 23-2762	EA	3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated.....	43.78	21.06
<b>23 21 13 23-2763</b>		<b>Chrome Plated Bell Reducers (23 21 13 23-2685)</b>		
23 21 13 23-2764	EA	1/2" x 3/8" Bell Reducer, Chrome Plated.....	41.58	16.99
23 21 13 23-2765	EA	3/4" x 1/2" Bell Reducer, Chrome Plated.....	50.52	21.06
23 21 13 23-2766	EA	1" x 1/2" Bell Reducer, Chrome Plated.....	64.07	27.17
<b>23 21 13 23-2767</b>		<b>Chrome Plated Reducing Tees (23 21 13 23-2685)</b>		
23 21 13 23-2768	EA	3/4" x 1/2" Reducing Tee, Chrome Plated.....	55.49	21.06
<b>23 21 13 23-2769</b>		<b>Chrome Plated Bushings (23 21 13 23-2685)</b>		
23 21 13 23-2770	EA	3/8" x 1/4" Bushing, Chrome Plated.....	13.11	4.78
23 21 13 23-2771	EA	1/2" x 1/4" Bushing, Chrome Plated.....	14.12	5.09
23 21 13 23-2772	EA	1/2" x 3/8" Bushing, Chrome Plated.....	14.63	5.39
23 21 13 23-2773	EA	3/4" x 1/2" Bushing, Chrome Plated.....	18.53	7.13
23 21 13 23-2774	EA	1" x 3/4" Bushing, Chrome Plated.....	27.32	9.16
23 21 13 23-2775	EA	1-1/4" x 1" Bushing, Chrome Plated.....	40.21	12.52
<b>23 21 13 23-2776</b>		<b>Aluminum Tubing Assemblies (23 21 13 23)</b>		
		Note: ASTM B210 (Tubing), ASTM B26 (Fittings). Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 21	13 23-2777	LF	1/8" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	8.69	3.56
23 21	13 23-2778	LF	3/16" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	9.90	4.07
23 21	13 23-2779	LF	1/4" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	11.03	4.58
23 21	13 23-2780	LF	5/16" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	12.10	5.09
23 21	13 23-2781	LF	3/8" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	13.39	5.59
23 21	13 23-2782	LF	1/2" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	15.26	6.11
23 21	13 23-2783	LF	5/8" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	17.84	7.03
23 21	13 23-2784	LF	3/4" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	21.73	7.97
23 21	13 23-2785	LF	7/8" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	25.08	8.90
23 21	13 23-2786	LF	1" Inside Diameter Aluminum Pipe/Tubing Assembly .....	29.64	9.37

**23 21 16 Hydronic Piping Specialties (23 21)****23 21 16 00-0001 Vent Valves (23 21 16)**

23 21	16 00-0002	EA	1/8", 1.5 PSIG Operating Pressure, Non Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A).....	62.82	15.27
23 21	16 00-0003	EA	1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74).....	144.41	16.42
23 21	16 00-0004	EA	1/2" x 3/4", 3 PSIG Operating Pressure, Non Vacuum Main Steam Air Vent Valve (Hoffman 75).....	137.94	16.42
23 21	16 00-0005	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H).....	142.47	16.42
23 21	16 00-0006	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78).....	182.11	16.42
23 21	16 00-0007	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79).....	136.16	16.42

**23 21 16 00-0008 Threaded Inlet, Drip-Pan Elbow (23 21 16)****23 21 16 00-0009 Cast Iron, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)**

23 21	16 00-0010	EA	2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	213.95	25.68
			<i>For Flanged Inlet, Add</i>	76.31	
23 21	16 00-0011	EA	3" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	243.21	30.44
			<i>For Flanged Inlet, Add</i>	81.93	
23 21	16 00-0012	EA	3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	304.50	35.19
			<i>For Flanged Inlet, Add</i>	110.52	
23 21	16 00-0013	EA	4" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	447.19	39.95
			<i>For Flanged Inlet, Add</i>	194.46	
23 21	16 00-0014	EA	5" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	506.36	47.55
			<i>For Flanged Inlet, Add</i>	214.96	
23 21	16 00-0015	EA	6" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	699.76	59.93
			<i>For Flanged Inlet, Add</i>	314.14	
23 21	16 00-0016	EA	8" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	1,546.35	78.95
			<i>For Flanged Inlet, Add</i>	835.92	

**23 21 16 00-0017 Cast Steel, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)**

23 21	16 00-0018	EA	2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	400.24	25.68
			<i>For Flanged Inlet, Add</i>	202.99	
23 21	16 00-0019	EA	3" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	484.44	30.44
			<i>For Flanged Inlet, Add</i>	245.96	
23 21	16 00-0020	EA	3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	681.04	35.19
			<i>For Flanged Inlet, Add</i>	366.57	
23 21	16 00-0021	EA	4" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	700.29	39.95
			<i>For Flanged Inlet, Add</i>	366.57	
23 21	16 00-0022	EA	5" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	994.54	47.55
			<i>For Flanged Inlet, Add</i>	546.92	
23 21	16 00-0023	EA	6" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	1,042.09	59.93
			<i>For Flanged Inlet, Add</i>	546.92	
23 21	16 00-0024	EA	8" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	1,698.23	78.95
			<i>For Flanged Inlet, Add</i>	939.20	

**23 21 16 00-0025 Y-Type Strainers (23 21 16)****23 21 16 00-0026 Screwed Ends, 250 LB, Iron Body, Y-Type Strainers (23 21 16 00-0025)**

23 21	16 00-0027	EA	1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer .....	73.96	11.40
			<i>For Work In Restricted Working Space, Add</i>	9.77	
			<i>For Galvanized Body, Add</i>	20.69	
23 21	16 00-0028	EA	1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer .....	74.46	11.61
			<i>For Work In Restricted Working Space, Add</i>	9.92	
			<i>For Galvanized Body, Add</i>	20.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0029	EA		3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Body, Add</i>	94.18 13.44 24.70	15.68
23 21 16 00-0030	EA		1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Body, Add</i>	120.18 16.03 33.37	18.73
23 21 16 00-0031	EA		1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Body, Add</i>	157.61 19.85 45.72	23.16
23 21 16 00-0032	EA		1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Body, Add</i>	181.39 21.38 55.07	24.94
23 21 16 00-0033	EA		2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Body, Add</i>	250.97 24.43 84.77	28.50
23 21 16 00-0034	EA		2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Body, Add</i>	482.91 30.54 190.56	35.63
23 21 16 00-0035	EA		3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Body, Add</i>	625.16 38.18 248.96	44.59
<b>23 21 16 00-0036</b>			<b>Flanged, 125 LB, Iron Body , Y-Type Strainers</b> (23 21 16 00-0025)		
23 21 16 00-0037	EA		1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Body, Add</i>	266.77 40.18 66.42	106.89
23 21 16 00-0038	EA		2" Flanged, 125 LB, Iron Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Body, Add</i>	313.41 50.90 71.88	135.70
23 21 16 00-0039	EA		3" Flanged, 125 LB, Iron Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Body, Add</i>	559.27 64.97 171.35	173.06
23 21 16 00-0040	EA		4" Flanged, 125 LB, Iron Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Body, Add</i>	752.45 109.07 194.45	290.12
23 21 16 00-0041	EA		5" Flanged, 125 LB, Iron Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Body, Add</i>	793.47 107.52 217.54	287.16
23 21 16 00-0042	EA		6" Flanged, 125 LB, Iron Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Body, Add</i>	940.60 120.08 270.17	319.07
23 21 16 00-0043	EA		8" Flanged, 125 LB, Iron Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Body, Add</i>	1,570.65 151.94 532.10	407.70
23 21 16 00-0044	EA		10" Flanged, 125 LB, Iron Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Body, Add</i>	2,992.32 186.12 1,185.96	496.33
23 21 16 00-0045	EA		12" Flanged, 125 LB, Iron Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Body, Add</i>	3,352.56 265.89 1,233.14	443.15
<b>23 21 16 00-0046</b>			<b>Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers</b> (23 21 16 00-0025) Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0047	EA		1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	58.77 9.92 43.67	11.61
23 21 16 00-0048	EA		3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	78.19 13.44 56.78	15.68
23 21 16 00-0049	EA		1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	95.51 16.03 71.52	18.73
23 21 16 00-0050	EA		1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	118.84 19.85 89.54	23.16
23 21 16 00-0051	EA		1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	139.67 21.38 116.30	24.94
23 21 16 00-0052	EA		2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	192.57 24.43 188.92	28.50
23 21 16 00-0053	EA		2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	285.19 30.54 311.76	35.63
23 21 16 00-0054	EA		3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	507.49 38.18 646.41	44.59
23 21 16 00-0055	EA		4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	874.34 45.81 1,226.79	53.44
<b>23 21 16 00-0056</b>			<b>Flanged, 150 LB, Bronze Body, Y-Type Strainers</b> (23 21 16 00-0025) Note: With bolted cap.		
23 21 16 00-0057	EA		2" Flanged, 150 LB, Bronze Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	488.85 50.90 191.51	135.70

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0058	EA		2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	510.28 55.52 195.12	147.61
23 21 16 00-0059	EA		3" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	588.97 64.97 223.43	173.06
23 21 16 00-0060	EA		4" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,268.40 109.07 542.90	290.12
23 21 16 00-0061	EA		6" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,771.85 120.08 822.95	319.07
23 21 16 00-0062	EA		8" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	2,847.18 151.94 1,404.44	407.70
23 21 16 00-0063	EA		10" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	9,021.60 186.12 5,040.72	496.33
<b>23 21 16 00-0064</b>			<b>Class 125, Crimped Bronze Body, Y-Type Strainers</b> (23 21 16 00-0025) Note: Nibco®		
23 21 16 00-0065	EA		1/2" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	137.94 6.87	10.18
23 21 16 00-0066	EA		3/4" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	159.78 7.82	11.20
23 21 16 00-0067	EA		1" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	227.43 9.35	12.72
23 21 16 00-0068	EA		1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	304.89 10.30	13.54
23 21 16 00-0069	EA		1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	367.07 11.45	15.67
23 21 16 00-0070	EA		2" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	543.55 13.74	18.51
<b>23 21 16 00-0071</b>			<b>250 PSI, Crimped Bronze Body, Y-Type Strainers</b> (23 21 16 00-0025)		
23 21 16 00-0072	EA		1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	72.40	10.18
23 21 16 00-0073	EA		3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	88.47	11.20
23 21 16 00-0074	EA		1" 250 PSI, Crimped Bronze Body, Y-Type Strainer	130.15	12.72
23 21 16 00-0075	EA		1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	159.33	13.54
23 21 16 00-0076	EA		1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	190.33	15.67
23 21 16 00-0077	EA		2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	250.23	18.51
<b>23 21 16 00-0078</b>			<b>Cast Iron Body, Suction Diffusers</b> (23 21 16) Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21 16 00-0079	EA		2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	436.15 19.64	40.11
23 21 16 00-0080	EA		2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	458.23 21.81	44.49
23 21 16 00-0081	EA		2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	465.61 22.91	46.72
23 21 16 00-0082	EA		2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	881.98 55.52	147.61
23 21 16 00-0083	EA		3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	481.63 26.61	54.36
23 21 16 00-0084	EA		3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	544.65 26.61	54.36
23 21 16 00-0085	EA		3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	923.68 60.25	160.67
23 21 16 00-0086	EA		3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	943.14 64.97	173.06
23 21 16 00-0087	EA		4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,146.37 87.02	232.06
23 21 16 00-0088	EA		4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,349.60 109.07	290.12
23 21 16 00-0089	EA		6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,537.20 107.52	286.71
23 21 16 00-0090	EA		6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,857.08 120.08	319.07
23 21 16 00-0091	EA		8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	2,100.43 151.94	407.70
23 21 16 00-0092	EA		8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	3,245.86 151.94	407.70
23 21 16 00-0093	EA		10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	3,708.26 186.12	496.33
23 21 16 00-0094	EA		10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	4,334.73 186.12	496.33
<b>23 21 16 00-0095</b>			<b>Duplex Strainers</b> (23 21 16)		
<b>23 21 16 00-0096</b>			<b>Iron Body, Duplex Strainers</b> (23 21 16 00-0095)		
<b>23 21 16 00-0097</b>			<b>Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers</b> (23 21 16 00-0096) Note: With brass or stainless steel basket.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0098	EA		3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	705.94 15.22	25.35
23 21 16 00-0099	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	788.35 17.42	29.01
23 21 16 00-0100	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,068.03 20.45	34.10
23 21 16 00-0101	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,343.77 22.29	37.16
23 21 16 00-0102	EA		2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,800.57 27.27	45.30
23 21 16 00-0103	EA		2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	2,265.92 34.81	58.03
<b>23 21 16 00-0104</b>			<b>Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers</b> <small>(23 21 16 00-0096)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0105	EA		2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,456.06 50.90	135.70
23 21 16 00-0106	EA		2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,539.73 55.52	147.61
23 21 16 00-0107	EA		3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,253.74 64.97	173.06
23 21 16 00-0108	EA		4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,094.08 94.96	252.59
23 21 16 00-0109	EA		6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	9,955.36 120.08	319.07
23 21 16 00-0110	EA		8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	18,934.15 151.94	407.70
23 21 16 00-0111	EA		10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	26,146.18 186.12	496.33
23 21 16 00-0112	EA		12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	29,644.14 375.55	625.73
23 21 16 00-0113	EA		14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	35,284.67 265.89	709.04
23 21 16 00-0114	EA		16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	44,109.39 292.48	779.94
<b>23 21 16 00-0115</b>			<b>Bronze Body, Duplex Strainers</b> <small>(23 21 16 00-0095)</small>		
<b>23 21 16 00-0116</b>			<b>Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers</b> <small>(23 21 16 00-0115)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0117	EA		3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,313.37 15.22	25.45
23 21 16 00-0118	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,457.21 17.42	29.01
23 21 16 00-0119	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	2,132.75 20.45	34.10
23 21 16 00-0120	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	2,804.34 22.29	37.16
23 21 16 00-0121	EA		2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	3,622.87 27.27	45.30
23 21 16 00-0122	EA		2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	4,449.94 34.81	58.03
<b>23 21 16 00-0123</b>			<b>Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers</b> <small>(23 21 16 00-0115)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0124	EA		2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,083.71 50.90	135.70
23 21 16 00-0125	EA		2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	5,235.64 55.52	147.61
23 21 16 00-0126	EA		3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	7,178.16 64.97	173.06
23 21 16 00-0127	EA		4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	11,304.90 94.96	252.59
23 21 16 00-0128	EA		6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	24,561.03 120.08	319.07
<b>23 21 16 00-0129</b>			<b>Cast Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0095)</small>		
<b>23 21 16 00-0130</b>			<b>Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0129)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0131	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	2,045.38 17.42	29.01
23 21 16 00-0132	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	2,519.15 20.45	34.10
23 21 16 00-0133	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	2,989.03 22.30	37.16
23 21 16 00-0134	EA		2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	5,059.14 27.27	45.30
<b>23 21 16 00-0135</b>			<b>Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0129)</small> Note: With brass or stainless steel basket.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 16 00-0136	EA 2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,171.03 50.90	135.70
23 21 16 00-0137	EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	5,683.28 55.52	147.61
23 21 16 00-0138	EA 3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	7,470.23 64.97	173.06
23 21 16 00-0139	EA 4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	10,948.59 94.96	252.59
23 21 16 00-0140	EA 6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	18,683.43 120.08	319.07
23 21 16 00-0141	EA 8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	36,410.36 151.94	407.70
23 21 16 00-0142	<b>Stainless Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0095)</small>		
23 21 16 00-0143	<b>Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0142)</small> Note: With stainless steel basket.		
23 21 16 00-0144	EA 1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	4,439.80 17.42	29.01
23 21 16 00-0145	EA 1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,610.21 20.45	34.10
23 21 16 00-0146	EA 1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	6,768.61 22.30	37.16
23 21 16 00-0147	EA 2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	10,842.32 27.27	45.30
23 21 16 00-0148	<b>Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0142)</small> Note: With stainless steel basket.		
23 21 16 00-0149	EA 2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	11,367.38 50.90	135.70
23 21 16 00-0150	EA 2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	11,950.80 55.52	147.61
23 21 16 00-0151	EA 3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	18,717.16 64.97	173.06
23 21 16 00-0152	EA 4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	22,874.25 94.96	252.59
23 21 16 00-0153	EA 6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	40,160.27 120.08	319.07
23 21 16 00-0154	EA 8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	74,184.18 151.94	407.70
23 21 16 00-0155	<b>Pressure Regulating Valve</b> <small>(23 21 16)</small>		
23 21 16 00-0156	<b>Screwed Ends, Iron Body, Water Pressure Reducing Valves</b> <small>(23 21 16 00-0155)</small> Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating		
23 21 16 00-0157	EA 1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	212.40 15.26	12.72
23 21 16 00-0158	EA 3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	262.40 16.96	14.24
23 21 16 00-0159	EA 1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	346.88 17.96	15.26
23 21 16 00-0160	EA 1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	598.38 20.35	17.09
23 21 16 00-0161	EA 1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	813.26 24.42	20.35
23 21 16 00-0162	EA 2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	1,164.60 37.49	31.21
23 21 16 00-0163	EA 2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	1,266.37 42.17	35.14
23 21 16 00-0164	EA 3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	1,391.30 46.85	101.68
23 21 16 00-0165	<b>Cast Iron Body, Steam Pressure Regulator And Reducer</b> <small>(23 21 16 00-0155)</small> Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0166	<b>Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer</b> <small>(23 21 16 00-0165)</small>		
23 21 16 00-0167	EA 1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer ..... <i>For Work In Restricted Working Space, Add</i>	359.22 20.50	17.10
23 21 16 00-0168	EA 3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer ..... <i>For Work In Restricted Working Space, Add</i>	448.86 29.09	24.23
23 21 16 00-0169	EA 1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer ..... <i>For Work In Restricted Working Space, Add</i>	577.48 35.51	29.52
23 21 16 00-0170	EA 1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer ..... <i>For Work In Restricted Working Space, Add</i>	774.45 41.27	35.84
23 21 16 00-0171	EA 1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,042.01 46.98	40.72
23 21 16 00-0172	EA 2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,218.32 57.07	57.07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0173			<b>Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer</b> (23 21 16 00-0165) Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0174	EA		2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....2,830.51	137.92	
			For Work In Restricted Working Space, Add	51.88	
23 21 16 00-0175	EA		3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....3,520.61	161.70	
			For Work In Restricted Working Space, Add	60.71	
23 21 16 00-0176	EA		4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....4,521.87	271.09	
			For Work In Restricted Working Space, Add	101.91	
23 21 16 00-0177	EA		6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....11,292.23	318.92	
			For Work In Restricted Working Space, Add	120.02	
23 21 16 00-0178			<b>Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves</b> (23 21 16 00-0155)		
23 21 16 00-0179			<b>Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves</b> (23 21 16 00-0178)		
23 21 16 00-0180	EA		1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....2,056.40	12.42	
			For Work In Restricted Working Space, Add	18.63	
23 21 16 00-0181	EA		3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....2,099.65	12.42	
			For Work In Restricted Working Space, Add	18.63	
23 21 16 00-0182	EA		1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....2,236.09	15.68	
			For Work In Restricted Working Space, Add	23.52	
23 21 16 00-0183	EA		1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....2,627.49	19.95	
			For Work In Restricted Working Space, Add	29.93	
23 21 16 00-0184	EA		1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....3,007.98	23.01	
			For Work In Restricted Working Space, Add	34.51	
23 21 16 00-0185	EA		2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....3,729.96	27.07	
			For Work In Restricted Working Space, Add	40.62	
23 21 16 00-0186			<b>Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves</b> (23 21 16 00-0178)		
23 21 16 00-0187	EA		2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....4,608.48	137.92	
			For Work In Restricted Working Space, Add	51.88	
23 21 16 00-0188	EA		3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve.....5,685.53	161.70	
			For Work In Restricted Working Space, Add	60.71	
23 21 16 00-0189	EA		4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve.....8,610.09	271.09	
			For Work In Restricted Working Space, Add	101.91	
23 21 16 00-0190	EA		6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve.....18,954.38	318.92	
			For Work In Restricted Working Space, Add	120.02	
23 21 16 00-0191			<b>Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves</b> (23 21 16 00-0155)		
23 21 16 00-0192	EA		1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....238.96	13.22	
23 21 16 00-0193	EA		3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....296.25	14.65	
23 21 16 00-0194	EA		1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....394.07	15.57	
23 21 16 00-0195	EA		1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....685.61	17.71	
23 21 16 00-0196	EA		1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....933.57	21.16	
23 21 16 00-0197	EA		2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....1,335.54	32.42	
23 21 16 00-0198	EA		2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....1,446.79	35.32	
23 21 16 00-0199	EA		3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....1,594.39	40.67	
23 21 16 00-0200			<b>Screwed Ends, Bronze Body, Water Pressure Reducing Valves</b> (23 21 16 00-0155) Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0201	EA		1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....164.58	12.72	
23 21 16 00-0202	EA		3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....180.89	14.24	
23 21 16 00-0203	EA		1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....224.24	15.77	
23 21 16 00-0204	EA		1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....527.58	17.09	
23 21 16 00-0205	EA		1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....572.23	20.35	
23 21 16 00-0206	EA		2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....899.06	31.21	
23 21 16 00-0207			<b>Dual Unit Reducing And Relief Valve</b> (23 21 16)		
23 21 16 00-0208	EA		1/2" Dual Unit Reducing And Relief Valve .....186.03	31.05	
23 21 16 00-0209			<b>Safety Relief Valve</b> (23 21 16) Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0210			<b>Threaded Inlet, Bronze Body Safety Valves</b> (23 21 16 00-0209) Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.		
23 21 16 00-0211	EA		1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve .....70.56	12.72	
23 21 16 00-0212	EA		3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve .....97.41	13.99	
23 21 16 00-0213	EA		1" x 1" Threaded Inlet, Bronze Body Safety Valve .....140.39	17.04	
23 21 16 00-0214	EA		1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve.....181.16	18.06	
23 21 16 00-0215	EA		1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve.....249.39	24.17	
23 21 16 00-0216	EA		2" x 2" Threaded Inlet, Bronze Body Safety Valve .....334.18	28.49	
23 21 16 00-0217	EA		2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve.....379.24	35.62	
23 21 16 00-0218			<b>Threaded, Bronze Body, Temperature And Pressure Relief Valves</b> (23 21 16)		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0219	EA		1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve..... <i>For Cast Iron Body, Add</i>	78.83 45.54	25.94
23 21 16 00-0220	EA		3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve..... <i>For Cast Iron Body, Add</i>	101.63 63.44	31.13
23 21 16 00-0221	EA		1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve..... <i>For Cast Iron Body, Add</i>	148.66 101.03	41.51
23 21 16 00-0222	EA		1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve..... <i>For Cast Iron Body, Add</i>	244.45 214.71	44.47
23 21 16 00-0223	EA		1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve..... <i>For Cast Iron Body, Add</i>	409.95 410.73	49.86
23 21 16 00-0224	EA		2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve..... <i>For Cast Iron Body, Add</i>	474.94 447.25	71.69
<b>23 21 16 00-0225</b>			<b>Thermostatic Radiator Valves</b> <sup>(23 21 16)</sup> Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0226	EA		1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015).....	60.34	16.42
23 21 16 00-0227	EA		3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020).....	72.91	22.13
23 21 16 00-0228	EA		1" Straight Thermostatic Radiator Valve (Danfoss 013G8025).....	98.26	26.79
23 21 16 00-0229	EA		1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032).....	144.65	33.94
23 21 16 00-0230	EA		1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014).....	60.34	16.42
23 21 16 00-0231	EA		3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019).....	72.91	22.13
23 21 16 00-0232	EA		1" Angle Thermostatic Radiator Valve (Danfoss 013G8024).....	98.26	26.79
23 21 16 00-0233	EA		1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031).....	144.65	33.94
23 21 16 00-0234	EA		Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240).....	75.58	12.72
23 21 16 00-0235	EA		Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922).....	111.56	17.82
<b>23 21 16 00-0236</b>			<b>Radiator Trap Repair Kits</b> <sup>(23 21 16)</sup> Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0237	EA		1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031).....	109.69	
23 21 16 00-0238	EA		3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032).....	136.83	
23 21 16 00-0239	EA		1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026).....	137.76	
23 21 16 00-0240	EA		3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027).....	156.89	
23 21 16 00-0241	EA		1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028).....	364.53	
<b>23 21 16 00-0242</b>			<b>Horizontal Steel Expansion Tanks</b> <sup>(23 21 16)</sup> Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.		
23 21 16 00-0243	EA		10 Gallon Horizontal Steel Expansion Tank.....	550.35	101.80
23 21 16 00-0244	EA		15 Gallon Horizontal Steel Expansion Tank.....	774.61	127.25
23 21 16 00-0245	EA		30 Gallon Horizontal Steel Expansion Tank.....	1,011.92	152.70
23 21 16 00-0246	EA		40 Gallon Horizontal Steel Expansion Tank.....	1,165.37	178.15
23 21 16 00-0247	EA		60 Gallon Horizontal Steel Expansion Tank.....	1,328.65	177.26
<b>23 21 16 00-0248</b>			<b>Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks</b> <sup>(23 21 16)</sup> Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.		
23 21 16 00-0249	EA		7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	1,504.87	76.35
23 21 16 00-0250	EA		10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	1,569.61	89.07
23 21 16 00-0251	EA		21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	2,346.27	101.80
23 21 16 00-0252	EA		33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	2,441.05	114.52
23 21 16 00-0253	EA		44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	3,314.78	127.25
23 21 16 00-0254	EA		55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	3,495.10	139.97
23 21 16 00-0255	EA		68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,158.49	152.70
23 21 16 00-0256	EA		77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,449.75	165.42
23 21 16 00-0257	EA		90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,905.13	178.15
23 21 16 00-0258	EA		110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	5,039.23	203.60
23 21 16 00-0259	EA		132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	6,326.72	229.04
23 21 16 00-0260	EA		158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	7,255.96	254.49
23 21 16 00-0261	EA		211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	8,421.00	305.39
<b>23 21 16 00-0262</b>			<b>Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX)</b> <sup>(23 21 16)</sup> Note: ASME. Precharged with working pressure 125 psi		
23 21 16 00-0263	EA		8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,717.52	76.35
23 21 16 00-0264	EA		11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,770.70	89.07
23 21 16 00-0265	EA		22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,540.43	101.80
23 21 16 00-0266	EA		34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,711.48	114.52
23 21 16 00-0267	EA		44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,451.16	127.25
23 21 16 00-0268	EA		56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,629.16	139.97
23 21 16 00-0269	EA		67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,428.93	152.70
23 21 16 00-0270	EA		77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,787.22	165.42
23 21 16 00-0271	EA		91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,295.75	178.15
23 21 16 00-0272	EA		111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,422.92	203.60
23 21 16 00-0273	EA		132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	6,675.75	229.04
23 21 16 00-0274	EA		158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	7,748.28	254.49
23 21 16 00-0275	EA		211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	8,922.57	305.39
<b>23 21 16 00-0276</b>			<b>Diaphragm Type (Residential Style) Steel Expansion Tanks</b> <sup>(23 21 16)</sup>		
23 21 16 00-0277	EA		2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1).....	75.37	9.37
23 21 16 00-0278	EA		4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1).....	106.59	9.37



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 16 00-0279 Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks <sup>(23 21 16)</sup>

23 21 16 00-0280	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	932.95	305.49
23 21 16 00-0281	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	965.71	305.49
23 21 16 00-0282	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	998.46	305.49
23 21 16 00-0283	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,083.61	305.49
23 21 16 00-0284	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,316.32	407.08
23 21 16 00-0285	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,512.53	407.29
23 21 16 00-0286	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,551.44	407.29
23 21 16 00-0287	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,590.34	407.29
23 21 16 00-0288	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,018.84	508.98
23 21 16 00-0289	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	5,317.38	508.98
23 21 16 00-0290	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	6,744.27	610.57

23 21 16 00-0291 ASME Construction Compression Tanks <sup>(23 21 16)</sup>

Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height.

23 21 16 00-0292	EA	15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank.....	870.01	179.17
		<i>For Galvanized Steel Tanks, Add</i>	299.28	
23 21 16 00-0293	EA	24 Gallon, 13" x 51" ASME Construction Compression Tank.....	887.31	184.25
		<i>For Galvanized Steel Tanks, Add</i>	303.69	
23 21 16 00-0294	EA	30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank.....	966.89	190.36
		<i>For Galvanized Steel Tanks, Add</i>	338.90	
23 21 16 00-0295	EA	40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank.....	1,057.28	197.49
		<i>For Galvanized Steel Tanks, Add</i>	378.50	
23 21 16 00-0296	EA	60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank.....	1,231.00	208.68
		<i>For Galvanized Steel Tanks, Add</i>	457.72	
23 21 16 00-0297	EA	80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank.....	1,279.02	216.83
		<i>For Galvanized Steel Tanks, Add</i>	475.32	
23 21 16 00-0298	EA	100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank.....	1,580.70	236.17
		<i>For Galvanized Steel Tanks, Add</i>	611.76	
23 21 16 00-0299	EA	120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank.....	1,722.07	253.47
		<i>For Galvanized Steel Tanks, Add</i>	668.97	
23 21 16 00-0300	EA	144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank.....	2,140.04	286.05
		<i>For Galvanized Steel Tanks, Add</i>	853.43	
23 21 16 00-0301	EA	180 Gallon, 30" x 60" ASME Construction Compression Tank.....	2,714.74	327.78
		<i>For Galvanized Steel Tanks, Add</i>	1,109.09	
23 21 16 00-0302	EA	202 Gallon, 30" x 72" ASME Construction Compression Tank.....	3,249.24	363.41
		<i>For Galvanized Steel Tanks, Add</i>	1,349.50	
23 21 16 00-0303	EA	230 Gallon, 30" x 84" ASME Construction Compression Tank.....	3,553.05	394.97
		<i>For Galvanized Steel Tanks, Add</i>	1,477.13	
23 21 16 00-0304	EA	280 Gallon, 30" x 96" ASME Construction Compression Tank.....	4,482.42	433.65
		<i>For Galvanized Steel Tanks, Add</i>	1,912.84	
23 21 16 00-0305	EA	306 Gallon, 30" x 108" ASME Construction Compression Tank.....	4,626.08	463.18
		<i>For Galvanized Steel Tanks, Add</i>	1,962.02	
23 21 16 00-0306	EA	340 Gallon, 36" x 84" ASME Construction Compression Tank.....	5,952.28	497.78
		<i>For Galvanized Steel Tanks, Add</i>	2,599.12	
23 21 16 00-0307	EA	550 Gallon, 36" x 96" ASME Construction Compression Tank.....	9,891.42	584.31
		<i>For Galvanized Steel Tanks, Add</i>	4,503.12	

23 21 16 00-0308 Compression Tank Air Fittings <sup>(23 21 16)</sup>

23 21 16 00-0309	EA	9" To 24" Diameter Compression Tank Air Fittings.....	143.12	28.50
23 21 16 00-0310	EA	>100 Gallon Compression Tank Air Fittings.....	431.94	33.60

23 21 16 00-0311 Vortex Air Separators With Strainer <sup>(23 21 16)</sup>

Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.

23 21 16 00-0312	EA	2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N).....	1,197.72	216.83
		<i>For 300 PSIG, Add</i>	130.40	
23 21 16 00-0313	EA	2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N).....	1,477.85	248.39
		<i>For 300 PSIG, Add</i>	165.12	
23 21 16 00-0314	EA	3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N).....	2,253.30	292.16
		<i>For 300 PSIG, Add</i>	271.61	
23 21 16 00-0315	EA	3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F).....	2,408.13	309.44
		<i>For 300 PSIG, Add</i>	290.90	
23 21 16 00-0316	EA	4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F).....	3,109.69	412.58
		<i>For 300 PSIG, Add</i>	372.69	
23 21 16 00-0317	EA	5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F).....	3,903.76	482.15
		<i>For 300 PSIG, Add</i>	476.08	
23 21 16 00-0318	EA	6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F).....	4,628.66	545.95
		<i>For 300 PSIG, Add</i>	570.22	
23 21 16 00-0319	EA	8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F).....	6,640.81	654.97
		<i>For 300 PSIG, Add</i>	847.22	
23 21 16 00-0320	EA	10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F).....	10,191.82	744.49
		<i>For 300 PSIG, Add</i>	1,359.57	
23 21 16 00-0321	EA	12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F).....	13,743.11	963.41
		<i>For 300 PSIG, Add</i>	1,842.50	
23 21 16 00-0322	EA	14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F).....	28,534.29	1,169.91
		<i>For 300 PSIG, Add</i>	4,014.26	
23 21 16 00-0323	EA	16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F).....	35,222.03	1,403.89
		<i>For 300 PSIG, Add</i>	4,964.24	
23 21 16 00-0324	EA	18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F).....	45,933.68	1,637.87
		<i>For 300 PSIG, Add</i>	6,517.81	
23 21 16 00-0325	EA	20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F).....	53,739.04	1,871.86
		<i>For 300 PSIG, Add</i>	7,635.44	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0326			<b>Vortex Air Separators</b> <small>(23 21 16)</small>		
			Note: Without system strainer.		
23 21 16 00-0327	EA		2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N).....	1,027.97	216.83
			For 300 PSIG, Add	104.94	
23 21 16 00-0328	EA		2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N).....	1,292.67	248.39
			For 300 PSIG, Add	137.35	
23 21 16 00-0329	EA		3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N).....	2,207.01	292.16
			For 300 PSIG, Add	264.66	
23 21 16 00-0330	EA		3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F).....	2,001.75	309.44
			For 300 PSIG, Add	229.94	
23 21 16 00-0331	EA		4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F).....	2,682.74	412.58
			For 300 PSIG, Add	308.64	
23 21 16 00-0332	EA		5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F).....	3,456.23	482.15
			For 300 PSIG, Add	408.95	
23 21 16 00-0333	EA		6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F).....	4,021.66	545.95
			For 300 PSIG, Add	479.17	
23 21 16 00-0334	EA		8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F).....	5,344.51	654.97
			For 300 PSIG, Add	652.78	
23 21 16 00-0335	EA		10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F).....	7,419.18	744.49
			For 300 PSIG, Add	943.67	
23 21 16 00-0336	EA		12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F).....	11,413.50	963.41
			For 300 PSIG, Add	1,493.06	
23 21 16 00-0337	EA		14" Flanged, 6,100 GPM Vortex Air Separator (Rolairtrol RL-14F).....	19,379.47	1,169.91
			For 300 PSIG, Add	2,641.03	
23 21 16 00-0338	EA		16" Flanged, 8,000 GPM Vortex Air Separator (Rolairtrol RL-16F).....	24,543.18	1,403.89
			For 300 PSIG, Add	3,362.41	
23 21 16 00-0339	EA		18" Flanged, 9,700 GPM Vortex Air Separator (Rolairtrol RL-18F).....	32,788.84	1,637.87
			For 300 PSIG, Add	4,546.08	
23 21 16 00-0340	EA		20" Flanged, 12,000 GPM Vortex Air Separator (Rolairtrol RL-20F).....	44,800.13	1,871.86
			For 300 PSIG, Add	6,294.60	
23 21 16 00-0341	EA		22" Flanged, 15,000 GPM Vortex Air Separator (Rolairtrol RL-22F).....	54,841.82	2,105.84
			For 300 PSIG, Add	7,747.67	
23 21 16 00-0342	EA		24" Flanged, 17,000 GPM Vortex Air Separator (Rolairtrol RL-24F).....	64,883.51	2,339.81
			For 300 PSIG, Add	9,200.75	
23 21 16 00-0343			<b>Grooved, With Strainer, Vortex Air Separators</b> <small>(23 21 16)</small>		
23 21 16 00-0344	EA		3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G).....	2,108.62	247.54
23 21 16 00-0345	EA		4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G).....	2,984.35	329.86
23 21 16 00-0346	EA		5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G).....	3,757.76	385.36
23 21 16 00-0347	EA		6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G).....	4,463.15	436.77
23 21 16 00-0348	EA		8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G).....	6,431.99	524.12
23 21 16 00-0349	EA		10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G).....	10,367.42	595.59
23 21 16 00-0350	EA		12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G).....	15,768.99	770.81
23 21 16 00-0351			<b>Grooved Vortex Air Separators</b> <small>(23 21 16)</small>		
			Note: Without system strainer.		
23 21 16 00-0352	EA		3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G).....	1,686.81	247.54
23 21 16 00-0353	EA		4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G).....	2,557.40	329.86
23 21 16 00-0354	EA		5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G).....	3,310.23	385.36
23 21 16 00-0355	EA		6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G).....	3,856.15	436.77
23 21 16 00-0356	EA		8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G).....	5,145.98	524.12
23 21 16 00-0357	EA		10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G).....	7,553.63	595.59
23 21 16 00-0358	EA		12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G).....	12,524.06	770.81
23 21 16 00-0359			<b>Removable Head, Air Eliminator And Dirt Separator</b> <small>(23 21 16)</small>		
			Note: Spirovent VDN.		
23 21 16 00-0360	EA		2", 45 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	3,427.94	216.83
23 21 16 00-0361	EA		2-1/2", 70 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	3,711.67	248.39
23 21 16 00-0362	EA		3", 95 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	4,956.37	292.16
23 21 16 00-0363	EA		4", 170 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	5,663.81	447.90
23 21 16 00-0364	EA		5", 260 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	8,275.03	553.77
23 21 16 00-0365	EA		6", 375 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	10,650.54	627.07
23 21 16 00-0366	EA		8", 625 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	16,634.20	141.50
23 21 16 00-0367	EA		10", 950 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	24,563.45	855.09
23 21 16 00-0368	EA		12", 1,400 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	31,748.11	1,106.53
23 21 16 00-0369			<b>Swivel Joints</b> <small>(23 21 16)</small>		
23 21 16 00-0370			<b>Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)</b> <small>(23 21 16 00-0369)</small>		
			Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0371	EA		1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	312.93	26.77
23 21 16 00-0372	EA		1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	449.65	39.19
23 21 16 00-0373	EA		2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	630.39	45.81
23 21 16 00-0374	EA		3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	940.25	78.39
23 21 16 00-0375	EA		4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,192.12	89.07
			For Stainless Steel, Add	1,520.96	
23 21 16 00-0376	EA		2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	878.30	135.70
			For Stainless Steel, Add	1,062.96	
23 21 16 00-0377	EA		3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,186.90	108.26
23 21 16 00-0378	EA		4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,511.15	290.12
23 21 16 00-0379	EA		6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	2,804.77	366.47

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 16 00-0380			<b>Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)</b> <sup>(23 21 16 00-0380)</sup> Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0381	EA		1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	398.23	26.77
			<i>For Stainless Steel, Add</i>	516.98	
23 21 16 00-0382	EA		1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	489.94	39.19
			<i>For Stainless Steel, Add</i>	617.45	
23 21 16 00-0383	EA		2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	660.28	45.81
			<i>For Stainless Steel, Add</i>	851.61	
23 21 16 00-0384	EA		3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,061.12	78.39
			<i>For Stainless Steel, Add</i>	1,356.77	
23 21 16 00-0385	EA		4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,389.54	89.07
			<i>For Stainless Steel, Add</i>	1,817.09	
23 21 16 00-0386	EA		2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	905.62	135.70
			<i>For Stainless Steel, Add</i>	1,103.94	
23 21 16 00-0387	EA		3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,343.36	108.26
			<i>For Stainless Steel, Add</i>	1,690.17	
23 21 16 00-0388	EA		4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,691.79	290.12
			<i>For Stainless Steel, Add</i>	1,992.35	
23 21 16 00-0389	EA		6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	2,929.51	366.47
			<i>For Stainless Steel, Add</i>	3,704.67	
23 21 16 00-0390			<b>Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)</b> <sup>(23 21 16 00-0390)</sup> Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0391	EA		1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	468.63	26.77
			<i>For Stainless Steel, Add</i>	622.58	
23 21 16 00-0392	EA		1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	543.66	39.19
			<i>For Stainless Steel, Add</i>	698.03	
23 21 16 00-0393	EA		2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	795.31	45.81
			<i>For Stainless Steel, Add</i>	1,054.16	
23 21 16 00-0394	EA		3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,223.62	78.39
			<i>For Stainless Steel, Add</i>	1,600.52	
23 21 16 00-0395	EA		4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,443.26	89.07
			<i>For Stainless Steel, Add</i>	1,897.67	
23 21 16 00-0396	EA		2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,039.92	135.70
			<i>For Stainless Steel, Add</i>	1,305.39	
23 21 16 00-0397	EA		3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,509.89	108.26
			<i>For Stainless Steel, Add</i>	1,939.97	
23 21 16 00-0398	EA		4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,863.69	290.12
			<i>For Stainless Steel, Add</i>	2,250.20	
23 21 16 00-0399	EA		6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	3,298.83	366.47
			<i>For Stainless Steel, Add</i>	4,258.65	
23 21 16 00-0400			<b>Basket Strainers</b> <sup>(23 21 16 00-0400)</sup>		
23 21 16 00-0401			<b>Bronze Body Basket Strainers</b> <sup>(23 21 16 00-0401)</sup>		
23 21 16 00-0402			<b>Screwed Ends, Bronze Body Basket Strainers</b> <sup>(23 21 16 00-0402)</sup>		
23 21 16 00-0403	EA		1/2" Screwed Ends, Bronze Body Basket Strainer.....	249.24	20.36
			<i>For Work In Restricted Working Space, Add</i>	12.12	
23 21 16 00-0404	EA		3/4" Screwed Ends, Bronze Body Basket Strainer.....	294.53	23.92
			<i>For Work In Restricted Working Space, Add</i>	14.24	
23 21 16 00-0405	EA		1" Screwed Ends, Bronze Body Basket Strainer.....	341.85	28.50
			<i>For Work In Restricted Working Space, Add</i>	16.97	
23 21 16 00-0406	EA		1-1/4" Screwed Ends, Bronze Body Basket Strainer.....	424.78	31.56
			<i>For Work In Restricted Working Space, Add</i>	18.92	
23 21 16 00-0407	EA		1-1/2" Screwed Ends, Bronze Body Basket Strainer.....	501.17	35.63
			<i>For Work In Restricted Working Space, Add</i>	21.36	
23 21 16 00-0408	EA		2" Screwed Ends, Bronze Body Basket Strainer.....	743.55	40.72
			<i>For Work In Restricted Working Space, Add</i>	24.46	
23 21 16 00-0409	EA		2-1/2" Screwed Ends, Bronze Body Basket Strainer.....	1,051.06	54.46
			<i>For Work In Restricted Working Space, Add</i>	32.76	
23 21 16 00-0410	EA		3" Screwed Ends, Bronze Body Basket Strainer.....	1,474.00	58.03
			<i>For Work In Restricted Working Space, Add</i>	34.74	
23 21 16 00-0411			<b>Flanged, Bronze Body Basket Strainers</b> <sup>(23 21 16 00-0411)</sup>		
23 21 16 00-0412	EA		2" Flanged, Bronze Body Basket Strainer.....	1,172.95	135.70
			<i>For Work In Restricted Working Space, Add</i>	50.90	
23 21 16 00-0413	EA		2-1/2" Flanged, Bronze Body Basket Strainer.....	1,754.85	147.61
			<i>For Work In Restricted Working Space, Add</i>	55.52	
23 21 16 00-0414	EA		3" Flanged, Bronze Body Basket Strainer.....	1,991.10	173.06
			<i>For Work In Restricted Working Space, Add</i>	64.97	
23 21 16 00-0415	EA		4" Flanged, Bronze Body Basket Strainer.....	3,366.59	290.12
			<i>For Work In Restricted Working Space, Add</i>	109.07	
23 21 16 00-0416	EA		6" Flanged, Bronze Body Basket Strainer.....	6,338.08	319.07
			<i>For Work In Restricted Working Space, Add</i>	120.08	
23 21 16 00-0417	EA		8" Flanged, Bronze Body Basket Strainer.....	11,528.95	407.70
			<i>For Work In Restricted Working Space, Add</i>	151.94	
23 21 16 00-0418			<b>Iron Body Basket Strainers</b> <sup>(23 21 16 00-0418)</sup>		
23 21 16 00-0419			<b>Screwed Ends, Iron Body Basket Strainers</b> <sup>(23 21 16 00-0419)</sup>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0420	EA		1/2" Screwed Ends, Iron Body Basket Strainer .....	349.58	20.36
			<i>For Work In Restricted Working Space, Add</i>	12.12	
23 21 16 00-0421	EA		3/4" Screwed Ends, Iron Body Basket Strainer .....	393.53	23.92
			<i>For Work In Restricted Working Space, Add</i>	14.24	
23 21 16 00-0422	EA		1" Screwed Ends, Iron Body Basket Strainer .....	465.03	28.50
			<i>For Work In Restricted Working Space, Add</i>	16.97	
23 21 16 00-0423	EA		1-1/4" Screwed Ends, Iron Body Basket Strainer .....	610.52	31.56
			<i>For Work In Restricted Working Space, Add</i>	18.92	
23 21 16 00-0424	EA		1-1/2" Screwed Ends, Iron Body Basket Strainer .....	669.72	35.63
			<i>For Work In Restricted Working Space, Add</i>	21.36	
23 21 16 00-0425	EA		2" Screwed Ends, Iron Body Basket Strainer .....	796.35	40.72
			<i>For Work In Restricted Working Space, Add</i>	24.46	
23 21 16 00-0426	EA		2-1/2" Screwed Ends, Iron Body Basket Strainer .....	1,130.38	54.46
			<i>For Work In Restricted Working Space, Add</i>	32.76	
23 21 16 00-0427	EA		3" Screwed Ends, Iron Body Basket Strainer .....	1,278.82	58.03
			<i>For Work In Restricted Working Space, Add</i>	34.74	
<b>23 21 16 00-0428</b>			<b>Flanged, Iron Body Basket Strainers (23 21 16 00-0418)</b>		
23 21 16 00-0429	EA		2" Flanged, Iron Body Basket Strainer .....	743.02	135.70
			<i>For Work In Restricted Working Space, Add</i>	50.90	
23 21 16 00-0430	EA		2-1/2" Flanged, Iron Body Basket Strainer .....	957.87	147.61
			<i>For Work In Restricted Working Space, Add</i>	55.52	
23 21 16 00-0431	EA		3" Flanged, Iron Body Basket Strainer .....	1,039.23	173.06
			<i>For Work In Restricted Working Space, Add</i>	64.97	
23 21 16 00-0432	EA		4" Flanged, Iron Body Basket Strainer .....	1,601.69	290.12
			<i>For Work In Restricted Working Space, Add</i>	109.07	
23 21 16 00-0433	EA		6" Flanged, Iron Body Basket Strainer .....	2,810.04	319.07
			<i>For Work In Restricted Working Space, Add</i>	120.08	
23 21 16 00-0434	EA		8" Flanged, Iron Body Basket Strainer .....	4,952.09	407.70
			<i>For Work In Restricted Working Space, Add</i>	151.94	
23 21 16 00-0435	EA		10" Flanged, Iron Body Basket Strainer .....	7,309.63	496.33
			<i>For Work In Restricted Working Space, Add</i>	186.12	
23 21 16 00-0436	EA		12" Flanged, Iron Body Basket Strainer .....	9,186.99	625.73
			<i>For Work In Restricted Working Space, Add</i>	375.40	
23 21 16 00-0437	EA		14" Flanged, Iron Body Basket Strainer .....	10,899.36	709.04
			<i>For Work In Restricted Working Space, Add</i>	265.89	
23 21 16 00-0438	EA		16" Flanged, Iron Body Basket Strainer .....	11,445.02	779.94
			<i>For Work In Restricted Working Space, Add</i>	292.48	
<b>23 21 16 00-0439</b>			<b>Cast Steel Body Basket Strainers (23 21 16 00-0400)</b>		
<b>23 21 16 00-0440</b>			<b>Screwed Ends, Cast Steel Body Basket Strainers (23 21 16 00-0439)</b>		
23 21 16 00-0441	EA		1" Screwed Ends, Cast Steel Body Basket Strainer .....	522.55	28.50
			<i>For Work In Restricted Working Space, Add</i>	16.97	
23 21 16 00-0442	EA		1-1/4" Screwed Ends, Cast Steel Body Basket Strainer .....	685.04	31.56
			<i>For Work In Restricted Working Space, Add</i>	18.92	
23 21 16 00-0443	EA		1-1/2" Screwed Ends, Cast Steel Body Basket Strainer .....	772.14	35.63
			<i>For Work In Restricted Working Space, Add</i>	21.35	
23 21 16 00-0444	EA		2" Screwed Ends, Cast Steel Body Basket Strainer .....	1,078.66	40.72
			<i>For Work In Restricted Working Space, Add</i>	24.45	
23 21 16 00-0445	EA		2-1/2" Screwed Ends, Cast Steel Body Basket Strainer .....	1,511.11	54.46
			<i>For Work In Restricted Working Space, Add</i>	32.75	
23 21 16 00-0446	EA		3" Screwed Ends, Cast Steel Body Basket Strainer .....	1,952.16	58.03
			<i>For Work In Restricted Working Space, Add</i>	34.75	
<b>23 21 16 00-0447</b>			<b>Flanged, Cast Steel Body Basket Strainers (23 21 16 00-0439)</b>		
23 21 16 00-0448	EA		2" Flanged, Cast Steel Body Basket Strainer .....	1,620.95	135.70
			<i>For Work In Restricted Working Space, Add</i>	50.90	
23 21 16 00-0449	EA		2-1/2" Flanged, Cast Steel Body Basket Strainer .....	2,307.72	147.61
			<i>For Work In Restricted Working Space, Add</i>	55.52	
23 21 16 00-0450	EA		3" Flanged, Cast Steel Body Basket Strainer .....	2,536.68	173.06
			<i>For Work In Restricted Working Space, Add</i>	64.97	
23 21 16 00-0451	EA		4" Flanged, Cast Steel Body Basket Strainer .....	3,621.57	290.12
			<i>For Work In Restricted Working Space, Add</i>	109.07	
23 21 16 00-0452	EA		6" Flanged, Cast Steel Body Basket Strainer .....	6,274.55	319.07
			<i>For Work In Restricted Working Space, Add</i>	120.08	
23 21 16 00-0453	EA		8" Flanged, Cast Steel Body Basket Strainer .....	10,132.38	407.70
			<i>For Work In Restricted Working Space, Add</i>	151.94	
<b>23 21 16 00-0454</b>			<b>Stainless Steel Body Basket Strainers (23 21 16 00-0400)</b>		
<b>23 21 16 00-0455</b>			<b>Screwed Ends, Stainless Steel Body Basket Strainers (23 21 16 00-0454)</b>		
23 21 16 00-0456	EA		1" Screwed Ends, Stainless Steel Body Basket Strainer .....	403.11	28.50
			<i>For Work In Restricted Working Space, Add</i>	16.97	
23 21 16 00-0457	EA		1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer .....	576.02	31.56
			<i>For Work In Restricted Working Space, Add</i>	18.92	
23 21 16 00-0458	EA		1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer .....	596.14	35.63
			<i>For Work In Restricted Working Space, Add</i>	21.35	
23 21 16 00-0459	EA		2" Screwed Ends, Stainless Steel Body Basket Strainer .....	875.83	40.72
			<i>For Work In Restricted Working Space, Add</i>	24.45	
23 21 16 00-0460	EA		2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer .....	1,236.33	54.46
			<i>For Work In Restricted Working Space, Add</i>	32.75	
23 21 16 00-0461	EA		3" Screwed Ends, Stainless Steel Body Basket Strainer .....	1,737.07	58.03
			<i>For Work In Restricted Working Space, Add</i>	34.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0462			<b>Flanged, Stainless Steel Body Basket Strainers</b> (23 21 16 00-0454)		
23 21 16 00-0463	EA		2" Flanged, Stainless Steel Body Basket Strainer.....	1,351.70	135.70
			<i>For Work In Restricted Working Space, Add</i>	50.90	
23 21 16 00-0464	EA		2-1/2" Flanged, Stainless Steel Body Basket Strainer.....	2,025.91	147.61
			<i>For Work In Restricted Working Space, Add</i>	55.52	
23 21 16 00-0465	EA		3" Flanged, Stainless Steel Body Basket Strainer.....	2,295.88	173.06
			<i>For Work In Restricted Working Space, Add</i>	64.97	
23 21 16 00-0466	EA		4" Flanged, Stainless Steel Body Basket Strainer.....	3,880.53	290.12
			<i>For Work In Restricted Working Space, Add</i>	109.07	
23 21 16 00-0467	EA		6" Flanged, Stainless Steel Body Basket Strainer.....	5,890.16	319.07
			<i>For Work In Restricted Working Space, Add</i>	120.08	
23 21 16 00-0468	EA		8" Flanged, Stainless Steel Body Basket Strainer.....	10,182.41	407.70
			<i>For Work In Restricted Working Space, Add</i>	151.94	
23 21 16 00-0469			<b>Air Vents</b> (23 21 16)		
23 21 16 00-0470			<b>Screwed Ends, Cast Iron, Automatic Air Vents</b> (23 21 16 00-0469)		
			Note: With guided free floating lever.		
23 21 16 00-0471	EA		1/2" NPT, Cast Iron, Automatic Air Vent.....	267.52	29.52
23 21 16 00-0472	EA		3/4" NPT, Cast Iron, Automatic Air Vent.....	327.80	39.19
23 21 16 00-0473	EA		1" NPT, Cast Iron, Automatic Air Vent.....	741.81	40.72
23 21 16 00-0474	EA		1-1/4" NPT, Cast Iron, Automatic Air Vent.....	1,100.25	62.91
23 21 16 00-0475	EA		1-1/2" NPT, Cast Iron, Automatic Air Vent.....	1,830.39	67.70
23 21 16 00-0476	EA		2" NPT, Cast Iron, Automatic Air Vent.....	2,103.02	89.28
23 21 16 00-0477			<b>Forged Steel, Stainless Steel Internals, Automatic Air Vents</b> (23 21 16 00-0469)		
			Note: With guided free floating lever.		
23 21 16 00-0478	EA		1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	1,568.45	34.10
23 21 16 00-0479	EA		3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	1,964.90	39.19
23 21 16 00-0480	EA		1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	2,343.16	40.72
23 21 16 00-0481	EA		1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	3,843.63	63.11
23 21 16 00-0482	EA		1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	4,438.12	67.70
23 21 16 00-0483	EA		2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	6,522.26	89.07
23 21 16 00-0484			<b>Automatic Air Vent</b> (23 21 16 00-0469)		
23 21 16 00-0485	EA		3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR).....	187.55	39.19
23 21 16 00-0486	EA		1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR).....	204.54	40.72
23 21 16 00-0487	EA		1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR).....	291.58	62.91
23 21 16 00-0488	EA		1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR).....	356.69	67.70
23 21 16 00-0489	EA		2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR).....	450.22	72.95
23 21 16 00-0490			<b>Manual Air Vent</b> (23 21 16 00-0469)		
23 21 16 00-0491	EA		Manual Air Vent.....	78.62	36.75
23 21 16 00-0492			<b>Air Release Valves</b> (23 21 16 00-0469)		
23 21 16 00-0493			<b>Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)</b> (23 21 16 00-0492)		
			Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0494	EA		1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50).....	175.00	15.27
23 21 16 00-0495	EA		3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50).....	179.08	17.30
23 21 16 00-0496	EA		1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50).....	187.21	21.38
23 21 16 00-0497			<b>Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)</b> (23 21 16 00-0492)		
			Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0498	EA		1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A).....	717.81	21.38
23 21 16 00-0499	EA		2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200).....	860.81	37.16
23 21 16 00-0500	EA		3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200).....	1,128.67	86.63
23 21 16 00-0501			<b>Cast Iron, Air/Vacuum Valves</b> (23 21 16 00-0492)		
			Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0502	EA		1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141).....	346.97	15.27
23 21 16 00-0503	EA		1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142).....	427.97	21.38
23 21 16 00-0504	EA		2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144).....	739.28	37.16
23 21 16 00-0505	EA		3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146).....	1,073.64	86.63
23 21 16 00-0506	EA		4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152).....	1,679.11	145.43
23 21 16 00-0507	EA		6" Flanged, Cast Iron, Air/Vacuum Valve (Apco 153).....	2,557.26	183.89
23 21 16 00-0508			<b>Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice</b> (23 21 16 00-0492)		
			Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0509	EA		1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C).....	620.59	21.38
23 21 16 00-0510	EA		2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C).....	952.53	37.16
23 21 16 00-0511	EA		3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C).....	1,750.08	86.63
23 21 16 00-0512	EA		4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C).....	2,268.41	145.43

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**23 21 23 Hydronic Pumps (23 21)**

**23 21 23 13 In-Line Centrifugal Hydronic Pumps (23 21 23)**

<b>23 21 23 13-0001</b>	<b>Cast Iron Single Stage In-Line Centrifugal Pump (23 21 23 13)</b> Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		
23 21 23 13-0002	EA 50 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 100' Head And 3 HP..... <i>For Cast Steel Case, Add</i> <i>For Mechanical Seal, Add</i>	4,715.37 702.00 312.00	271.92
23 21 23 13-0003	EA 75 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 100' Head And 5 HP..... <i>For Cast Steel Case, Add</i> <i>For Mechanical Seal, Add</i>	5,167.91 752.56 334.47	329.12
23 21 23 13-0004	EA 100 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 150' Head And 7-1/2 HP..... <i>For Cast Steel Case, Add</i> <i>For Mechanical Seal, Add</i>	5,979.57 865.35 384.60	391.01
23 21 23 13-0005	EA 125 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 150' Head And 10 HP..... <i>For Cast Steel Case, Add</i> <i>For Mechanical Seal, Add</i>	6,499.92 888.68 394.97	521.35
23 21 23 13-0006	EA 150 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 200' Head And 15 HP..... <i>For Cast Steel Case, Add</i> <i>For Mechanical Seal, Add</i>	7,717.37 1,082.25 481.00	568.23
23 21 23 13-0007	EA 200 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 30 HP..... <i>For Cast Steel Case, Add</i> <i>For Mechanical Seal, Add</i>	11,403.88 1,715.13 762.28	625.43
23 21 23 13-0008	EA 250 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 40 HP..... <i>For Cast Steel Case, Add</i> <i>For Mechanical Seal, Add</i>	13,428.24 1,995.13 886.72	781.09
23 21 23 13-0009	EA 300 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 50 HP..... <i>For Cast Steel Case, Add</i> <i>For Mechanical Seal, Add</i>	11,429.76 1,575.12 700.06	892.66
23 21 23 13-0010	EA 400 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 400' Head And 75 HP..... <i>For Cast Steel Case, Add</i> <i>For Mechanical Seal, Add</i>	23,446.16 3,723.98 1,655.10	919.09
23 21 23 13-0011	EA 600 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 400' Head And 100 HP..... <i>For Cast Steel Case, Add</i> <i>For Mechanical Seal, Add</i>	25,699.00 3,987.69 1,772.31	1,181.43

**23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps (23 21 23)**

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

**23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)**

Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

23 21 23 16-0002	EA 5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T).....	3,717.62	297.24
23 21 23 16-0003	EA 7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T).....	4,146.04	297.62
23 21 23 16-0004	EA 10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T).....	5,442.06	391.01
23 21 23 16-0005	EA 15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T).....	6,022.80	481.03
23 21 23 16-0006	EA 15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T).....	6,677.12	481.03
23 21 23 16-0007	EA 20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T).....	6,554.72	521.35
23 21 23 16-0008	EA 20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T).....	6,926.73	521.35
23 21 23 16-0009	EA 25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T).....	7,560.37	546.67
23 21 23 16-0010	EA 30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T).....	8,493.09	694.82
23 21 23 16-0011	EA 40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T).....	9,040.28	781.09
23 21 23 16-0012	EA 60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T).....	14,765.36	1,852.50
23 21 23 16-0013	EA 75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T).....	20,834.74	2,222.60
23 21 23 16-0014	EA 100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS).....	23,947.04	2,778.26

**23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)**

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0016	EA 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 1-1/2 HP..... <i>For 300 LB Flanges, Add</i>	2,072.32 419.59	218.47
23 21 23 16-0017	EA 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 2 HP..... <i>For 300 LB Flanges, Add</i>	2,462.94 527.83	234.42
23 21 23 16-0018	EA 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 3 HP..... <i>For 300 LB Flanges, Add</i>	3,058.90 660.54	250.36
23 21 23 16-0019	EA 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 5 HP..... <i>For 300 LB Flanges, Add</i>	3,626.54 772.68	297.24
23 21 23 16-0020	EA 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 7.5 HP..... <i>For 300 LB Flanges, Add</i>	3,810.81 812.05	297.62
23 21 23 16-0021	EA 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP..... <i>For 300 LB Flanges, Add</i>	4,192.05 872.20	391.01
23 21 23 16-0022	EA 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP..... <i>For 300 LB Flanges, Add</i>	4,192.05 872.20	391.01
23 21 23 16-0023	EA 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP..... <i>For 300 LB Flanges, Add</i>	4,192.05 872.20	391.01
23 21 23 16-0024	EA 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP..... <i>For 300 LB Flanges, Add</i>	5,113.11 1,061.89	481.03
23 21 23 16-0025	EA 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP..... <i>For 300 LB Flanges, Add</i>	5,217.69 1,079.31	480.65

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0026	EA		500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 20 HP <i>For 300 LB Flanges, Add</i>	5,486.47 1,137.20	521.35
23 21 23 16-0027	EA		600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 25 HP <i>For 300 LB Flanges, Add</i>	6,001.19 1,247.14	546.67
23 21 23 16-0028	EA		750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 30 HP <i>For 300 LB Flanges, Add</i>	6,787.07 1,384.21	694.82
23 21 23 16-0029	EA		1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 40 HP <i>For 300 LB Flanges, Add</i>	7,685.44 1,569.73	781.09
23 21 23 16-0030	EA		1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 60 HP <i>For 300 LB Flanges, Add</i>	12,590.73 2,254.67	1,852.50
23 21 23 16-0031	EA		2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 75 HP <i>For 300 LB Flanges, Add</i>	15,021.79 2,683.84	2,222.60
23 21 23 16-0032	EA		3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 100 HP <i>For 300 LB Flanges, Add</i>	18,083.64 3,181.40	2,778.26
<b>23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump</b> <small>(23 21 23 16)</small>					
Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.					
23 21 23 16-0034	EA		40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 1-1/2" HP <i>For 300 LB Flanges, Add</i>	3,020.96 656.75	218.47
23 21 23 16-0035	EA		50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 2 HP <i>For 300 LB Flanges, Add</i>	3,115.75 673.44	234.42
23 21 23 16-0036	EA		90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 3 HP <i>For 300 LB Flanges, Add</i>	3,210.66 690.14	250.36
23 21 23 16-0037	EA		100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 5 HP <i>For 300 LB Flanges, Add</i>	3,464.53 750.84	255.99
23 21 23 16-0038	EA		100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 7.5 HP <i>For 300 LB Flanges, Add</i>	5,472.33 1,234.13	297.24
23 21 23 16-0039	EA		250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 10 HP <i>For 300 LB Flanges, Add</i>	7,215.42 1,651.83	391.01
23 21 23 16-0040	EA		350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 15 HP <i>For 300 LB Flanges, Add</i>	7,432.23 1,682.24	421.95
23 21 23 16-0041	EA		500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 20 HP <i>For 300 LB Flanges, Add</i>	7,960.93 1,773.85	468.83
23 21 23 16-0042	EA		750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 25 HP <i>For 300 LB Flanges, Add</i>	8,739.99 1,978.20	459.99
23 21 23 16-0043	EA		1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 40 HP <i>For 300 LB Flanges, Add</i>	9,903.44 2,209.97	591.16
23 21 23 16-0044	EA		1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 50 HP <i>For 300 LB Flanges, Add</i>	12,653.77 2,806.24	741.20
23 21 23 16-0045	EA		2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 75 HP <i>For 300 LB Flanges, Add</i>	14,405.96 3,154.99	925.76
23 21 23 16-0046	EA		3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP <i>For 300 LB Flanges, Add</i>	20,190.67 4,511.86	1,111.30
23 21 23 16-0047	EA		3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 150 HP <i>For 300 LB Flanges, Add</i>	37,023.93 8,660.64	1,234.33
23 21 23 16-0048	EA		4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 200 HP <i>For 300 LB Flanges, Add</i>	39,790.66 9,182.23	1,587.57
<b>23 21 23 16-0049 Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump</b> <small>(23 21 23 16)</small>					
Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.					
23 21 23 16-0050	EA		100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 40 HP <i>For 300 LB Flanges, Add</i>	10,320.19 2,363.66	481.03
23 21 23 16-0051	EA		200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 50 HP <i>For 300 LB Flanges, Add</i>	11,179.58 2,560.48	521.35
23 21 23 16-0052	EA		300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 75 HP <i>For 300 LB Flanges, Add</i>	13,580.73 3,075.12	698.99
23 21 23 16-0053	EA		400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 100 HP <i>For 300 LB Flanges, Add</i>	26,113.92 6,088.40	960.47
23 21 23 16-0054	EA		800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 200 HP <i>For 300 LB Flanges, Add</i>	32,144.56 7,449.36	1,280.62
<b>23 21 23 16-0055 Cast Iron Close Coupling Pumps</b> <small>(23 21 23 16)</small>					
<b>23 21 23 16-0056 Foot Mounted Cast Iron Close Coupled Pumps</b> <small>(23 21 23 16-0055)</small>					
23 21 23 16-0057	EA		3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM)	3,345.02	281.31
23 21 23 16-0058	EA		3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM)	3,612.63	281.31
23 21 23 16-0059	EA		5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM)	3,999.17	296.94
23 21 23 16-0060	EA		5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM)	4,235.90	296.94
23 21 23 16-0061	EA		7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM)	4,835.64	312.24
23 21 23 16-0062	EA		10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM)	5,717.49	369.30
23 21 23 16-0063	EA		15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP)	7,472.83	454.94
23 21 23 16-0064	EA		20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP)	8,005.65	492.39

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 21 23 16-0065	EA	25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP) .....	9,229.52	531.77
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**23 21 23 16-0066 Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt (23 21 23 16)**

23 21 23 16-0067	EA	1/3 HP, Centrifugal Pump, Polypropylene Body.....	872.78	145.27
23 21 23 16-0068	EA	1/2 HP, Centrifugal Pump, Polypropylene Body.....	930.36	154.02
23 21 23 16-0069	EA	3/4 HP, Centrifugal Pump, Polypropylene Body.....	1,072.55	163.99

**23 21 23 23 Vertical-Turbine Hydronic Pumps (23 21 23)**

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

**23 21 23 23-0001 Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps (23 21 23 23)**

Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.

23 21 23 23-0002	EA	50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage, 2 HP .....	5,990.94	694.82
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	138.05	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add .....	197.96	
		For Each Extra Column Assembly <60", Add .....	520.95	
23 21 23 23-0003	EA	100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage, 3 HP .....	6,231.01	781.09
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	144.92	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add .....	207.23	
		For Each Extra Column Assembly <60", Add .....	540.49	
23 21 23 23-0004	EA	250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage, 15 HP .....	7,569.70	741.20
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	173.94	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add .....	249.63	
		For Each Extra Column Assembly <60", Add .....	658.73	
23 21 23 23-0005	EA	500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage, 25 HP .....	8,106.18	855.30
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	188.23	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add .....	269.29	
		For Each Extra Column Assembly <60", Add .....	703.45	
23 21 23 23-0006	EA	1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage, 50 HP .....	9,730.60	925.76
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	232.38	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add .....	329.69	
		For Each Extra Column Assembly <60", Add .....	837.98	
23 21 23 23-0007	EA	2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage, 100 HP .....	14,834.74	1,111.30
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	373.60	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add .....	521.95	
		For Each Extra Column Assembly <60", Add .....	1,258.22	
23 21 23 23-0008	EA	3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage, 150 HP .....	17,856.15	1,389.12
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	446.38	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add .....	624.95	
		For Each Extra Column Assembly <60", Add .....	1,517.79	
23 21 23 23-0009	EA	4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage, 200 HP .....	27,512.87	1,587.57
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	723.33	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add .....	998.46	
		For Each Extra Column Assembly <60", Add .....	2,303.09	
23 21 23 23-0010	EA	6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage, 300 HP .....	35,685.18	1,852.50
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	951.49	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add .....	1,308.34	
		For Each Extra Column Assembly <60", Add .....	2,973.88	
23 21 23 23-0011	EA	10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage, 300 HP .....	49,326.29	2,222.60
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	1,336.91	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add .....	1,830.17	
		For Each Extra Column Assembly <60", Add .....	4,088.98	

**23 21 29 Automatic Condensate Pump Units (23 21)****23 21 29 00-0001 Automatic Shallow Pan Condensate Pump (23 21 29)**

23 21 29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS) .....	203.26	30.47
23 21 29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS) .....	221.07	30.47
23 21 29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS) .....	347.59	35.16

**23 21 29 00-0005 Automatic Condensate Pump With Tank (23 21 29)**

23 21 29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL) .....	109.90	23.44
23 21 29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20) .....	117.51	23.44
23 21 29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS) .....	197.44	30.47
23 21 29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS) .....	212.64	35.16
23 21 29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) .....	398.38	39.85

**23 22 Steam and Condensate Piping and Pumps (23 20)****23 22 16 Steam and Condensate Heating Piping Specialties (23 22)****23 22 16 00-0001 High Temperature Safety Relief Valve (23 22 16)**

Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.

**23 22 16 00-0002 Cast Iron Body Safety Valve, Steam Or Water (23 22 16 00-0001)**

Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.

**23 22 16 00-0003 Threaded (23 22 16 00-0002)**

23 22 16 00-0004	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water .....	471.03	15.26
23 22 16 00-0005	EA	1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water .....	492.23	18.06
23 22 16 00-0006	EA	1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water .....	541.93	22.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0007 EA 1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water .....	669.41	25.44
23 22 16 00-0008 EA 2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water .....	857.47	31.28
23 22 16 00-0009 EA 2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water .....	1,335.03	35.62
23 22 16 00-0010 EA 3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	1,446.02	40.96
<b>23 22 16 00-0011 Flanged</b> <small>(23 22 16 00-0002)</small>		
23 22 16 00-0012 EA 1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	3,343.80	106.84
23 22 16 00-0013 EA 2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	3,888.68	160.60
23 22 16 00-0014 EA 2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	4,299.71	147.90
23 22 16 00-0015 EA 2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	5,218.47	213.62
23 22 16 00-0016 EA 3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	5,577.68	159.31
23 22 16 00-0017 EA 3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	6,550.24	213.62
23 22 16 00-0018 EA 4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	10,968.04	303.15
23 22 16 00-0019 EA 6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	21,847.69	338.56
<b>23 22 16 00-0020 Bronze Body Safety Valve, Threaded, Steam</b> <small>(23 22 16 00-0001)</small>		
Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.		
23 22 16 00-0021 EA 3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam .....	513.53	13.99
23 22 16 00-0022 EA 3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam .....	525.65	15.26
23 22 16 00-0023 EA 1" x 1" Threaded Bronze Body Safety Relief Valve, Steam .....	615.69	16.79
23 22 16 00-0024 EA 1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam .....	680.08	18.06
23 22 16 00-0025 EA 1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam .....	787.08	20.35
23 22 16 00-0026 EA 1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam .....	790.05	22.90
23 22 16 00-0027 EA 1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam .....	889.24	24.17
23 22 16 00-0028 EA 1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam .....	969.44	25.44
23 22 16 00-0029 EA 2" x 2" Threaded Bronze Body Safety Relief Valve, Steam .....	1,348.82	28.49
23 22 16 00-0030 EA 2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam .....	1,474.05	31.28
23 22 16 00-0031 EA 2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam .....	1,759.52	35.62
<b>23 22 16 00-0032 Bronze Body Safety Valve, Threaded, Water</b> <small>(23 22 16 00-0001)</small>		
Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.		
23 22 16 00-0033 EA 3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water .....	238.58	13.99
23 22 16 00-0034 EA 3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water .....	272.16	15.26
23 22 16 00-0035 EA 1" x 1" Threaded Bronze Body Safety Relief Valve, Water .....	378.84	16.79
23 22 16 00-0036 EA 1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water .....	417.31	18.06
23 22 16 00-0037 EA 1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water.....	606.07	20.35
23 22 16 00-0038 EA 1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water.....	818.96	24.17
23 22 16 00-0039 EA 2" x 2" Threaded Bronze Body Safety Relief Valve, Water .....	1,197.45	28.49
<b>23 22 16 00-0040 Steam Temperature Regulator, Iron Body</b> <small>(23 22 16)</small>		
<b>23 22 16 00-0041 Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body</b> <small>(23 22 16 00-0040)</small>		
Note: Up to 150 PSI.		
23 22 16 00-0042 EA 1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,277.17	14.65
23 22 16 00-0043 EA 3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,342.92	19.74
23 22 16 00-0044 EA 1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,782.57	24.32
23 22 16 00-0045 EA 1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,967.51	30.73
23 22 16 00-0046 EA 1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,018.01	35.30
23 22 16 00-0047 EA 2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,385.28	38.42
23 22 16 00-0048 EA 2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	3,031.86	70.38
23 22 16 00-0049 EA 3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,194.38	76.75
23 22 16 00-0050 EA 4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	3,276.45	179.64
23 22 16 00-0051 EA 6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	5,370.16	210.85
<b>23 22 16 00-0052 Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body</b> <small>(23 22 16 00-0040)</small>		
23 22 16 00-0053 EA 1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,894.89	14.65
23 22 16 00-0054 EA 3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,961.59	19.74
23 22 16 00-0055 EA 1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,048.23	24.32
23 22 16 00-0056 EA 1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,451.52	30.73
23 22 16 00-0057 EA 1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,625.76	35.30
23 22 16 00-0058 EA 2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,982.09	38.42
23 22 16 00-0059 EA 2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	4,567.61	70.38
23 22 16 00-0060 EA 3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	3,010.98	76.75
23 22 16 00-0061 EA 4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	4,233.77	179.64
23 22 16 00-0062 EA 6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	6,766.98	210.85
<b>23 22 16 00-0063 Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body</b> <small>(23 22 16 00-0040)</small>		
23 22 16 00-0064 EA 1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,583.63	14.65
23 22 16 00-0065 EA 3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,620.27	19.74
23 22 16 00-0066 EA 1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,867.05	24.32
23 22 16 00-0067 EA 1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	3,121.14	30.73
23 22 16 00-0068 EA 1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	3,233.51	35.30
23 22 16 00-0069 EA 2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	3,648.09	38.42
23 22 16 00-0070 EA 2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	6,751.13	70.38

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0071	EA		3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,234.81	76.75
23 22 16 00-0072	EA		4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,432.03	179.64
23 22 16 00-0073	EA		6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	7,581.44	210.85
<b>23 22 16 00-0074</b>			<b>Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body</b> <small>(23 22 16 00-0040)</small>		
23 22 16 00-0075	EA		1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,311.47	14.65
23 22 16 00-0076	EA		3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,344.48	19.74
23 22 16 00-0077	EA		1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,631.28	24.32
23 22 16 00-0078	EA		1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,783.45	30.73
23 22 16 00-0079	EA		1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,928.59	35.30
23 22 16 00-0080	EA		2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,277.67	38.42
23 22 16 00-0081	EA		2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	7,115.05	70.38
23 22 16 00-0082	EA		3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,448.03	76.75
23 22 16 00-0083	EA		4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,645.25	179.64
23 22 16 00-0084	EA		6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	7,794.65	210.85
<b>23 22 16 00-0085</b>			<b>Steam Traps</b> <small>(23 22 16)</small>		
<b>23 22 16 00-0086</b>			<b>Inverted Bucket Steam Traps</b> <small>(23 22 16 00-0085)</small>		
23 22 16 00-0087	EA		1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	257.73	30.54
			<i>For Work In Restricted Working Space, Add</i>	18.32	
23 22 16 00-0088	EA		3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	260.28	31.81
			<i>For Work In Restricted Working Space, Add</i>	19.09	
23 22 16 00-0089	EA		1" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	384.45	33.90
			<i>For Work In Restricted Working Space, Add</i>	20.36	
23 22 16 00-0090	EA		1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	620.17	46.27
			<i>For Work In Restricted Working Space, Add</i>	27.76	
23 22 16 00-0091	EA		1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	920.85	57.01
			<i>For Work In Restricted Working Space, Add</i>	33.93	
23 22 16 00-0092	EA		2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	1,177.56	84.83
			<i>For Work In Restricted Working Space, Add</i>	50.90	
<b>23 22 16 00-0093</b>			<b>Float And Thermostatic Steam Traps</b> <small>(23 22 16 00-0085)</small>		
23 22 16 00-0094	EA		3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	272.35	31.81
			<i>For Work In Restricted Working Space, Add</i>	19.09	
23 22 16 00-0095	EA		1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	357.26	33.93
			<i>For Work In Restricted Working Space, Add</i>	20.36	
23 22 16 00-0096	EA		1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	442.69	46.27
			<i>For Work In Restricted Working Space, Add</i>	27.76	
23 22 16 00-0097	EA		1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	597.56	56.55
			<i>For Work In Restricted Working Space, Add</i>	33.93	
23 22 16 00-0098	EA		2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,089.00	84.80
			<i>For Work In Restricted Working Space, Add</i>	50.90	
23 22 16 00-0099	EA		3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	345.02	31.81
			<i>For Work In Restricted Working Space, Add</i>	19.09	
23 22 16 00-0100	EA		1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	374.85	33.90
			<i>For Work In Restricted Working Space, Add</i>	20.36	
23 22 16 00-0101	EA		1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	490.65	46.27
			<i>For Work In Restricted Working Space, Add</i>	27.76	
23 22 16 00-0102	EA		1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	703.08	56.50
			<i>For Work In Restricted Working Space, Add</i>	33.93	
23 22 16 00-0103	EA		2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,196.13	84.83
			<i>For Work In Restricted Working Space, Add</i>	50.90	
23 22 16 00-0104	EA		3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	445.75	31.81
			<i>For Work In Restricted Working Space, Add</i>	19.09	
23 22 16 00-0105	EA		1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	496.36	33.93
			<i>For Work In Restricted Working Space, Add</i>	20.36	
23 22 16 00-0106	EA		1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	754.47	46.27
			<i>For Work In Restricted Working Space, Add</i>	27.76	
23 22 16 00-0107	EA		1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	775.04	56.50
			<i>For Work In Restricted Working Space, Add</i>	33.93	
23 22 16 00-0108	EA		2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,498.30	84.83
			<i>For Work In Restricted Working Space, Add</i>	50.90	
23 22 16 00-0109	EA		3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	452.14	31.81
			<i>For Work In Restricted Working Space, Add</i>	19.09	
23 22 16 00-0110	EA		1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	496.36	33.93
			<i>For Work In Restricted Working Space, Add</i>	20.36	
23 22 16 00-0111	EA		1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap.....	754.47	46.27
			<i>For Work In Restricted Working Space, Add</i>	27.76	
23 22 16 00-0112	EA		1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap.....	775.04	56.50
			<i>For Work In Restricted Working Space, Add</i>	33.93	
23 22 16 00-0113	EA		2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,498.30	84.83
			<i>For Work In Restricted Working Space, Add</i>	50.90	
<b>23 22 16 00-0114</b>			<b>Thermostatic Steam Traps</b> <small>(23 22 16 00-0085)</small>		
23 22 16 00-0115	EA		1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	135.25	30.54
			<i>For Work In Restricted Working Space, Add</i>	18.32	
23 22 16 00-0116	EA		3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	221.89	31.81
			<i>For Work In Restricted Working Space, Add</i>	19.09	
23 22 16 00-0117	EA		1" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	272.88	33.90
			<i>For Work In Restricted Working Space, Add</i>	20.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0118			<b>Thermodynamic Steam Traps</b> (23 22 16 00-0085)		
23 22 16 00-0119	EA		3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	290.36	27.49
23 22 16 00-0120	EA		1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	409.63	30.54
23 22 16 00-0121	EA		3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	506.50	31.81
23 22 16 00-0122	EA		1" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	677.03	33.90
23 22 16 00-0123			<b>Steam Moisture Separator</b> (23 22 16 00-0085)		
23 22 16 00-0124	EA		1/2" Steam Moisture Separator, Threaded (Spirax Sarco S1).....	624.66	50.90
23 22 16 00-0125	EA		3/4" Steam Moisture Separator, Threaded (Spirax Sarco S1).....	664.12	68.72
23 22 16 00-0126	EA		1" Steam Moisture Separator, Threaded (Spirax Sarco S1).....	799.00	77.37
23 22 16 00-0127	EA		1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2).....	1,259.48	88.56
23 22 16 00-0128	EA		2" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	1,546.09	135.70
23 22 16 00-0129	EA		2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	2,322.98	147.61
23 22 16 00-0130	EA		3" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	2,659.47	173.06
23 22 16 00-0131	EA		4" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	3,668.33	290.12
23 22 16 00-0132	EA		6" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	7,144.57	366.47
23 22 16 00-0133			<b>Steam/Condensate Meter</b> (23 22 16)		
Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.					
23 22 16 00-0134	EA		1" Steam/Condensate Meter.....	4,981.69	84.34
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 16 00-0135	EA		2" Steam/Condensate Meter.....	5,620.77	99.10
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 16 00-0136	EA		2-1/2" Steam/Condensate Meter.....	5,962.34	122.99
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 16 00-0137	EA		3" Steam/Condensate Meter.....	6,323.59	161.65
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 16 00-0138	EA		4" Steam/Condensate Meter.....	7,130.83	251.14
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 16 00-0139	EA		6" Steam/Condensate Meter.....	12,209.52	317.68
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 16 00-0140	EA		8" Steam/Condensate Meter.....	12,647.94	401.08
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 16 00-0141	EA		10" Steam/Condensate Meter.....	13,233.37	491.98
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 16 00-0142	EA		12" Steam/Condensate Meter.....	13,872.91	597.40
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 16 00-0143	EA		14" Steam/Condensate Meter.....	14,770.52	702.82
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 16 00-0144	EA		16" Steam/Condensate Meter.....	15,294.39	773.10
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
<b>23 22 23</b>		<b>Steam Condensate Pumps</b> (23 22)			
<b>23 22 23 13</b>		<b>Electric-Driven Steam Condensate Pumps</b> (23 22 23)			
23 22 23 13-0001		Simplex Condensate Pumps And Motors (23 22 23 13) Note: Cast iron receiver, float switch.			
23 22 23 13-0002		20 PSI Discharge Pressure (23 22 23 13-0001)			
23 22 23 13-0003	EA	3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,666.99		477.28
23 22 23 13-0004	EA	9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,559.89		490.41
23 22 23 13-0005	EA	15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,711.86		523.22
23 22 23 13-0006	EA	22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,139.20		528.85
23 22 23 13-0007	EA	30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,642.20		575.73
23 22 23 13-0008	EA	37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	7,118.28		575.73
23 22 23 13-0009	EA	45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	7,202.83		615.11
23 22 23 13-0010	EA	60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	8,902.95		643.24
23 22 23 13-0011	EA	75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	8,970.71		671.38
23 22 23 13-0012		30 PSI Discharge Pressure (23 22 23 13-0001)			
23 22 23 13-0013	EA	3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,102.15		510.09
23 22 23 13-0014	EA	9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,195.67		523.22
23 22 23 13-0015	EA	15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,341.64		557.92
23 22 23 13-0016	EA	22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,065.94		602.92
23 22 23 13-0017	EA	30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	7,202.83		616.05
23 22 23 13-0018	EA	45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	7,396.92		637.62
23 22 23 13-0019	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	7,605.82		671.38
23 22 23 13-0020	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	8,892.79		714.51
23 22 23 13-0021		40 PSI Discharge Pressure (23 22 23 13-0001)			
23 22 23 13-0022	EA	3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	3,440.85		585.11
23 22 23 13-0023	EA	9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,504.85		631.99
23 22 23 13-0024	EA	22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,358.36		624.50
23 22 23 13-0025	EA	30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	7,357.59		637.62
23 22 23 13-0026	EA	45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	7,498.12		664.82
23 22 23 13-0027	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	8,970.71		671.38
23 22 23 13-0028	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	9,059.96		714.51
23 22 23 13-0029		50 PSI Discharge Pressure (23 22 23 13-0001)			
23 22 23 13-0030	EA	3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	6,989.06		633.87
23 22 23 13-0031	EA	9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	4,859.14		647.00
23 22 23 13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	5,681.80		651.69
23 22 23 13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	7,585.38		708.88
23 22 23 13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	12,348.55		764.21
23 22 23 13-0035		Duplex Condensate Pumps And Motors (23 22 23 13) Note: Cast iron receiver, float switch, alternator assembly.			
23 22 23 13-0036		20 PSI Discharge Pressure (23 22 23 13-0035)			
23 22 23 13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,559.72		640.44
23 22 23 13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,805.87		703.26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0039	EA		22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,315.81	708.88
23 22 23 13-0040	EA		30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,961.10	772.65
23 22 23 13-0041	EA		37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	8,633.85	772.65
23 22 23 13-0042	EA		45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	8,750.36	832.66
23 22 23 13-0043	EA		60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	10,490.12	869.23
23 22 23 13-0044	EA		75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	10,726.86	912.36
<b>23 22 23 13-0045</b>			<b>30 PSI Discharge Pressure (23 22 23 13-0035)</b>		
23 22 23 13-0046	EA		9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	6,058.63	690.13
23 22 23 13-0047	EA		15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	6,309.55	753.89
23 22 23 13-0048	EA		22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	6,998.95	735.14
23 22 23 13-0049	EA		30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	8,750.36	832.66
23 22 23 13-0050	EA		45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	8,991.96	863.60
23 22 23 13-0051	EA		60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	10,333.52	912.36
23 22 23 13-0052	EA		75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	10,825.32	978.00
<b>23 22 23 13-0053</b>			<b>40 PSI Discharge Pressure (23 22 23 13-0035)</b>		
23 22 23 13-0054	EA		9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	6,504.74	813.90
23 22 23 13-0055	EA		22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	7,236.61	850.48
23 22 23 13-0056	EA		30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	9,015.56	863.60
23 22 23 13-0057	EA		45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	9,254.27	906.73
23 22 23 13-0058	EA		60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	10,728.83	912.36
23 22 23 13-0059	EA		75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	10,872.52	978.00
<b>23 22 23 13-0060</b>			<b>50 PSI Discharge Pressure (23 22 23 13-0035)</b>		
23 22 23 13-0061	EA		9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	6,831.21	813.90
23 22 23 13-0062	EA		22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	7,357.32	894.54
23 22 23 13-0063	EA		30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	9,399.92	971.43
23 22 23 13-0064	EA		60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	17,024.78	1,052.07
<b>23 23 Refrigerant Piping (23 20)</b>					
<b>23 23 13 Refrigerant Piping Valves (23 23)</b>					
23 23 13 00-0001			Ball Valves (23 23 13)		
23 23 13 00-0002			Refrigeration Ball Valves, Sweat, 1400 Series (23 23 13 00-0001)		
23 23 13 00-0003	EA		3/8" Refrigeration Ball Valve, Sweated.....	40.09	10.18
23 23 13 00-0004	EA		1/2" Refrigeration Ball Valve, Sweated.....	41.74	10.18
23 23 13 00-0005	EA		5/8" Refrigeration Ball Valve, Sweated.....	54.76	10.18
23 23 13 00-0006	EA		7/8" Refrigeration Ball Valve, Sweated.....	73.34	11.20
23 23 13 00-0007	EA		1-1/8" Refrigeration Ball Valve, Sweated.....	101.83	12.72
23 23 13 00-0008	EA		1-5/8" Refrigeration Ball Valve, Sweated.....	164.87	15.67
23 23 13 00-0009			Shut-Off Valves (23 23 13)		
23 23 13 00-0010			Packless (23 23 13 00-0009)		
23 23 13 00-0011	EA		1/2" Refrigeration Valve, Packless.....	51.20	10.59
23 23 13 00-0012	EA		5/8" Refrigeration Valve, Packless.....	63.65	11.61
23 23 13 00-0013	EA		7/8" Refrigeration Valve, Packless.....	128.79	15.88
23 23 13 00-0014			Packed (23 23 13 00-0009)		
23 23 13 00-0015	EA		1-1/8" Refrigeration Valve, Packed.....	227.70	23.11
23 23 13 00-0016	EA		1 3/8" Refrigeration Valve, Packed.....	303.83	28.30
23 23 13 00-0017	EA		1-5/8" Refrigeration Valve, Packed.....	369.53	31.86
23 23 13 00-0018	EA		2-1/8" Refrigeration Valve, Packed.....	526.00	36.34
23 23 13 00-0019	EA		2-5/8" Refrigeration Valve, Packed.....	881.87	101.80
23 23 13 00-0020	EA		3-1/8" Refrigeration Valve, Packed.....	1,155.81	127.25

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**

HUMBOLDT STATE UNIVERSITY

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 23 13 00-0021	EA	4-1/8" Refrigeration Valve, Packed .....		1,641.11	169.70
<b>23 23 13 00-0022</b>		<b>Check Valves</b> <small>(23 23 13)</small>			
23 23 13 00-0023	EA	5/8" Check Valve, Refrigeration .....		65.40	10.18
23 23 13 00-0024	EA	7/8" Check Valve, Refrigeration .....		199.89	11.20
23 23 13 00-0025	EA	1-1/8" Check Valve, Refrigeration .....		232.09	12.72
23 23 13 00-0026	EA	1 3/8" Check Valve, Refrigeration .....		312.09	13.54
23 23 13 00-0027	EA	1-5/8" Check Valve, Refrigeration .....		409.66	15.68
23 23 13 00-0028	EA	2-1/8" Check Valve, Refrigeration .....		604.84	18.52
23 23 13 00-0029	EA	2-5/8" Check Valve, Refrigeration .....		846.87	27.18
23 23 13 00-0030	EA	3-1/8" Check Valve, Refrigeration .....		1,117.90	35.63
<b>23 23 13 00-0031</b>		<b>Solenoid Valves</b> <small>(23 23 13)</small>			
<b>23 23 13 00-0032</b>		<b>Solenoid Valve, 24 Volt Coil</b> <small>(23 23 13 00-0031)</small>			
23 23 13 00-0033	EA	1/2" Solenoid Valve, Refrigeration .....		205.76	10.18
23 23 13 00-0034	EA	5/8" Solenoid Valve, Refrigeration .....		210.79	10.18
23 23 13 00-0035	EA	3/4" Solenoid Valve, Refrigeration .....		260.23	11.20
23 23 13 00-0036	EA	7/8" Solenoid Valve, Refrigeration .....		260.23	11.20
23 23 13 00-0037	EA	1-1/8" Solenoid Valve, Refrigeration .....		365.20	12.72
23 23 13 00-0038	EA	1 3/8" Solenoid Valve, Refrigeration .....		588.06	13.54
23 23 13 00-0039	EA	1-5/8" Solenoid Valve, Refrigeration .....		1,087.27	15.68
23 23 13 00-0040	EA	2-1/8" Solenoid Valve, Refrigeration .....		1,101.50	18.52
<b>23 23 16</b>		<b>Refrigerant Piping Specialties</b> <small>(23 23)</small>			
<b>23 23 16 00-0001</b>		<b>Soft Refrigeration Copper Tubing</b> <small>(23 23 16)</small>			
Note: Based on outside diameter. Nitrogenized. Lengths up to 100'. See CSI section 22 07 19 00-0338 for flexible elastomeric insulation (insulation on suction line only).					
23 23 16 00-0002	LF	1/8" Outside Diameter Soft Refrigeration Copper Tubing .....		4.25	2.42
23 23 16 00-0003	LF	3/16" Outside Diameter Soft Refrigeration Copper Tubing .....		4.46	2.48
23 23 16 00-0004	LF	1/4" Outside Diameter Soft Refrigeration Copper Tubing .....		4.67	2.55
23 23 16 00-0005	LF	5/16" Outside Diameter Soft Refrigeration Copper Tubing .....		5.00	2.59
23 23 16 00-0006	LF	3/8" Outside Diameter Soft Refrigeration Copper Tubing .....		5.15	2.63
23 23 16 00-0007	LF	1/2" Outside Diameter Soft Refrigeration Copper Tubing .....		5.79	2.77
23 23 16 00-0008	LF	5/8" Outside Diameter Soft Refrigeration Copper Tubing .....		6.38	2.80
23 23 16 00-0009	LF	3/4" Outside Diameter Soft Refrigeration Copper Tubing .....		6.98	2.90
23 23 16 00-0010	LF	7/8" Outside Diameter Soft Refrigeration Copper Tubing .....		9.02	3.40
23 23 16 00-0011	LF	1-1/8" Outside Diameter Soft Refrigeration Copper Tubing .....		11.47	3.90
23 23 16 00-0012	LF	1-3/8" Outside Diameter Soft Refrigeration Copper Tubing .....		16.59	4.61
23 23 16 00-0013	LF	1-5/8" Outside Diameter Soft Refrigeration Copper Tubing .....		20.00	5.16
<b>23 23 16 00-0014</b>		<b>Type L Drawn, ACR Copper Tubing</b> <small>(23 23 16)</small>			
Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-0338 for flexible elastomeric insulation (insulation on suction line only).					
23 23 16 00-0015	LF	3/8" Outside Diameter Type L Drawn, ACR Copper Tubing .....		5.69	2.85
				<i>For Medical Applications "Oxygen Clean", Add</i>	0.50
23 23 16 00-0016	LF	1/2" Outside Diameter Type L Drawn, ACR Copper Tubing .....		6.40	2.85
				<i>For Medical Applications "Oxygen Clean", Add</i>	0.54
23 23 16 00-0017	LF	5/8" Outside Diameter Type L Drawn, ACR Copper Tubing .....		6.85	2.85
				<i>For Medical Applications "Oxygen Clean", Add</i>	0.56
23 23 16 00-0018	LF	3/4" Outside Diameter Type L Drawn, ACR Copper Tubing .....		9.91	4.28
				<i>For Medical Applications "Oxygen Clean", Add</i>	0.81
23 23 16 00-0019	LF	7/8" Outside Diameter Type L Drawn, ACR Copper Tubing .....		10.83	4.58
				<i>For Medical Applications "Oxygen Clean", Add</i>	0.89
23 23 16 00-0020	LF	1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing .....		12.60	4.58
				<i>For Medical Applications "Oxygen Clean", Add</i>	0.97
23 23 16 00-0021	LF	1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing .....		15.69	5.29
				<i>For Medical Applications "Oxygen Clean", Add</i>	1.19
23 23 16 00-0022	LF	1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing .....		19.01	6.11
				<i>For Medical Applications "Oxygen Clean", Add</i>	1.41
23 23 16 00-0023	LF	2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing .....		26.89	7.63
				<i>For Medical Applications "Oxygen Clean", Add</i>	1.92
23 23 16 00-0024	LF	2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing .....		40.35	11.50
				<i>For Medical Applications "Oxygen Clean", Add</i>	2.88
23 23 16 00-0025	LF	3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing .....		52.21	14.25
				<i>For Medical Applications "Oxygen Clean", Add</i>	3.68
23 23 16 00-0026	LF	3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing .....		65.71	16.89
				<i>For Medical Applications "Oxygen Clean", Add</i>	4.56
23 23 16 00-0027	LF	4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing .....		81.23	20.36
				<i>For Medical Applications "Oxygen Clean", Add</i>	5.59
<b>23 23 16 00-0028</b>		<b>Refrigeration Fittings</b> <small>(23 23 16)</small>			
<b>23 23 16 00-0029</b>		<b>Brass Flare Fittings</b> <small>(23 23 16 00-0028)</small>			
<b>23 23 16 00-0030</b>		<b>Brass Flare Unions</b> <small>(23 23 16 00-0029)</small>			
23 23 16 00-0031	EA	3/8" Brass Flare Union .....		22.84	10.99
23 23 16 00-0032	EA	1/2" Brass Flare Union .....		22.84	10.99
23 23 16 00-0033	EA	5/8" Brass Flare Union .....		24.50	10.99

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0034			<b>90 Degree Elbow Brass Flare Unions</b> (23 23 16 00-0029)		
23 23 16 00-0035	EA		3/8" 90 Degree Brass Flare Elbow Union.....	23.85	10.99
23 23 16 00-0036	EA		1/2" 90 Degree Brass Flare Elbow Union.....	23.85	10.99
23 23 16 00-0037	EA		5/8" 90 Degree Brass Flare Elbow Union.....	29.39	10.99
23 23 16 00-0038			<b>Brass Flare Tees</b> (23 23 16 00-0029)		
23 23 16 00-0039	EA		3/8" Brass Flare Tee.....	36.94	18.31
23 23 16 00-0040	EA		1/2" Brass Flare Tee.....	39.41	18.31
23 23 16 00-0041	EA		5/8" Brass Flare Tee.....	52.87	18.31
23 23 16 00-0042			<b>Male Connector, Half Brass Flare Unions</b> (23 23 16 00-0029)		
23 23 16 00-0043	EA		3/8" Brass Flare Male Connector, Half Union.....	18.30	10.99
23 23 16 00-0044	EA		1/2" Brass Flare Male Connector, Half Union.....	19.95	10.99
23 23 16 00-0045	EA		5/8" Brass Flare Male Connector, Half Union.....	22.31	10.99
23 23 16 00-0046			<b>Female Connector, Half Brass Flare Unions</b> (23 23 16 00-0029)		
23 23 16 00-0047	EA		3/8" Brass Flare Female Connector, Half Union.....	20.42	10.99
23 23 16 00-0048	EA		1/2" Brass Flare Female Connector, Half Union.....	22.67	10.99
23 23 16 00-0049	EA		5/8" Brass Flare Female Connector, Half Union.....	22.67	10.99
23 23 16 00-0050			<b>Long Forged Nuts</b> (23 23 16 00-0029)		
23 23 16 00-0051	EA		3/8" Brass Long Forged Nut.....	19.30	10.99
23 23 16 00-0052	EA		1/2" Brass Long Forged Nut.....	19.95	10.99
23 23 16 00-0053	EA		5/8" Brass Long Forged Nut.....	27.14	10.99
23 23 16 00-0054			<b>Short Forged Nuts</b> (23 23 16 00-0029)		
23 23 16 00-0055	EA		3/8" Brass Short Forged Nut.....	18.36	10.99
23 23 16 00-0056	EA		1/2" Brass Short Forged Nut.....	19.86	10.99
23 23 16 00-0057	EA		5/8" Brass Short Forged Nut.....	20.17	10.99
23 23 16 00-0058			<b>ACR Wrought Copper Fittings</b> (23 23 16 00-0028)		
			Note: Soldered.		
23 23 16 00-0059			<b>ACR Wrought Copper Coupling</b> (23 23 16 00-0058)		
			Note: C x C		
23 23 16 00-0060	EA		1/4" ACR Wrought Copper Coupling.....	17.91	10.99
23 23 16 00-0061	EA		3/8" ACR Wrought Copper Coupling.....	17.65	10.99
23 23 16 00-0062	EA		1/2" ACR Wrought Copper Coupling.....	18.04	10.99
23 23 16 00-0063	EA		5/8" ACR Wrought Copper Coupling.....	18.62	11.50
23 23 16 00-0064	EA		3/4" ACR Wrought Copper Coupling.....	26.35	15.16
23 23 16 00-0065	EA		7/8" ACR Wrought Copper Coupling.....	26.03	15.58
23 23 16 00-0066	EA		1-1/8" ACR Wrought Copper Coupling.....	34.36	19.34
23 23 16 00-0067	EA		1-3/8" ACR Wrought Copper Coupling.....	49.17	26.47
23 23 16 00-0068	EA		1-5/8" ACR Wrought Copper Coupling.....	59.13	31.05
23 23 16 00-0069	EA		2-1/8" ACR Wrought Copper Coupling.....	77.34	37.66
23 23 16 00-0070	EA		2-5/8" ACR Wrought Copper Coupling.....	132.87	57.21
23 23 16 00-0071	EA		3-1/8" ACR Wrought Copper Coupling.....	177.02	75.23
23 23 16 00-0072	EA		4-1/8" ACR Wrought Copper Coupling.....	279.97	89.38
23 23 16 00-0073			<b>ACR Wrought Copper Short Radius 90 Degree Elbows</b> (23 23 16 00-0058)		
			Note: C x C		
23 23 16 00-0074	EA		1/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	21.46	10.99
23 23 16 00-0075	EA		3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	21.73	10.99
23 23 16 00-0076	EA		1/2" ACR Wrought Copper Short Radius 90 Degree Elbow.....	21.46	10.99
23 23 16 00-0077	EA		5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	23.24	11.50
23 23 16 00-0078	EA		3/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	33.60	15.16
23 23 16 00-0079	EA		7/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	34.07	15.58
23 23 16 00-0080	EA		1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	43.34	19.34
23 23 16 00-0081	EA		1-3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	54.35	26.47
23 23 16 00-0082	EA		1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	69.45	31.05
23 23 16 00-0083	EA		2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	98.05	37.66
23 23 16 00-0084	EA		2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	169.07	57.21
23 23 16 00-0085	EA		3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	217.53	75.23
23 23 16 00-0086	EA		4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	401.98	89.38
23 23 16 00-0087			<b>ACR Wrought Copper Long Radius 90 Degree Elbows</b> (23 23 16 00-0058)		
			Note: C x C		
23 23 16 00-0088	EA		1/4" ACR Wrought Copper Long Radius 90 Degree Elbow.....	25.91	10.99
23 23 16 00-0089	EA		3/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	23.56	10.99
23 23 16 00-0090	EA		1/2" ACR Wrought Copper Long Radius 90 Degree Elbow.....	25.42	10.99
23 23 16 00-0091	EA		5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	25.38	11.50
23 23 16 00-0092	EA		3/4" ACR Wrought Copper Long Radius 90 Degree Elbow.....	30.99	15.16
23 23 16 00-0093	EA		7/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	33.79	15.58
23 23 16 00-0094	EA		1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	45.80	19.34
23 23 16 00-0095	EA		1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	67.01	26.47
23 23 16 00-0096	EA		1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	83.27	31.05

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**

HUMBOLDT STATE UNIVERSITY

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 23 16 00-0097	EA	2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow .....	152.90		37.66
23 23 16 00-0098	EA	2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow .....	238.50		57.21
23 23 16 00-0099	EA	3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow .....	315.08		75.23
23 23 16 00-0100	EA	4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow .....	675.81		89.38
<b>23 23 16 00-0101</b>		<b>ACR Wrought Copper 45 Degree Elbow (23 23 16 00-0058)</b>			
		Note: C x C			
23 23 16 00-0102	EA	1/4" ACR Wrought Copper 45 Degree Elbow.....	29.13		10.99
23 23 16 00-0103	EA	3/8" ACR Wrought Copper 45 Degree Elbow.....	25.91		10.99
23 23 16 00-0104	EA	1/2" ACR Wrought Copper 45 Degree Elbow.....	24.53		10.99
23 23 16 00-0105	EA	5/8" ACR Wrought Copper 45 Degree Elbow.....	20.55		11.50
23 23 16 00-0106	EA	3/4" ACR Wrought Copper 45 Degree Elbow.....	37.04		15.16
23 23 16 00-0107	EA	7/8" ACR Wrought Copper 45 Degree Elbow.....	29.03		15.58
23 23 16 00-0108	EA	1-1/8" ACR Wrought Copper 45 Degree Elbow .....	43.30		19.34
23 23 16 00-0109	EA	1-3/8" ACR Wrought Copper 45 Degree Elbow .....	58.90		26.47
23 23 16 00-0110	EA	1-5/8" ACR Wrought Copper 45 Degree Elbow .....	69.74		31.05
23 23 16 00-0111	EA	2-1/8" ACR Wrought Copper 45 Degree Elbow .....	95.05		37.66
23 23 16 00-0112	EA	2-5/8" ACR Wrought Copper 45 Degree Elbow .....	168.07		57.21
23 23 16 00-0113	EA	3-1/8" ACR Wrought Copper 45 Degree Elbow .....	227.69		75.23
23 23 16 00-0114	EA	4-1/8" ACR Wrought Copper 45 Degree Elbow .....	378.73		89.38
<b>23 23 16 00-0115</b>		<b>ACR Wrought Copper Tee (23 23 16 00-0058)</b>			
		Note: C x C x C			
23 23 16 00-0116	EA	1/4" ACR Wrought Copper Tee.....	37.57		18.31
23 23 16 00-0117	EA	3/8" ACR Wrought Copper Tee.....	38.14		18.31
23 23 16 00-0118	EA	1/2" ACR Wrought Copper Tee.....	36.04		18.31
23 23 16 00-0119	EA	5/8" ACR Wrought Copper Tee.....	37.59		23.11
23 23 16 00-0120	EA	3/4" ACR Wrought Copper Tee.....	54.11		23.11
23 23 16 00-0121	EA	7/8" ACR Wrought Copper Tee.....	42.42		23.41
23 23 16 00-0122	EA	1-1/8" ACR Wrought Copper Tee.....	69.23		31.05
23 23 16 00-0123	EA	1-3/8" ACR Wrought Copper Tee.....	87.02		37.66
23 23 16 00-0124	EA	1-5/8" ACR Wrought Copper Tee.....	114.19		44.69
23 23 16 00-0125	EA	2-1/8" ACR Wrought Copper Tee.....	162.92		59.55
23 23 16 00-0126	EA	2-5/8" ACR Wrought Copper Tee.....	343.40		129.99
23 23 16 00-0127	EA	3-1/8" ACR Wrought Copper Tee.....	427.44		142.92
23 23 16 00-0128	EA	4-1/8" ACR Wrought Copper Tee.....	753.95		158.80
<b>23 23 16 00-0129</b>		<b>ACR Wrought Copper Male Adapter (23 23 16 00-0058)</b>			
		Note: C x M			
23 23 16 00-0130	EA	1/4" ACR Wrought Copper Male Adapter.....	32.34		10.99
23 23 16 00-0131	EA	3/8" ACR Wrought Copper Male Adapter.....	37.50		10.99
23 23 16 00-0132	EA	1/2" ACR Wrought Copper Male Adapter.....	28.93		10.99
<b>23 23 16 00-0133</b>		<b>ACR Wrought Copper Female Adapter (23 23 16 00-0058)</b>			
		Note: C x F			
23 23 16 00-0134	EA	1/4" ACR Wrought Copper Female Adapter.....	30.31		10.99
23 23 16 00-0135	EA	3/8" ACR Wrought Copper Female Adapter.....	27.35		10.99
23 23 16 00-0136	EA	1/2" ACR Wrought Copper Female Adapter.....	28.47		10.99
<b>23 23 16 00-0137</b>		<b>ACR Wrought Copper Cap (23 23 16 00-0058)</b>			
		Note: C			
23 23 16 00-0138	EA	1/4" ACR Wrought Copper Cap .....	13.44		7.33
23 23 16 00-0139	EA	3/8" ACR Wrought Copper Cap .....	12.50		7.33
23 23 16 00-0140	EA	1/2" ACR Wrought Copper Cap .....	13.41		7.33
<b>23 23 16 00-0141</b>		<b>ACR Wrought Copper P-Trap (23 23 16 00-0058)</b>			
23 23 16 00-0142	EA	5/8" ACR Wrought Copper P-Trap .....	88.34		9.37
23 23 16 00-0143	EA	3/4" ACR Wrought Copper P-Trap .....	120.68		10.31
23 23 16 00-0144	EA	7/8" ACR Wrought Copper P-Trap .....	104.30		10.31
23 23 16 00-0145	EA	1-1/8" ACR Wrought Copper P-Trap .....	142.75		11.25
23 23 16 00-0146	EA	1-3/8" ACR Wrought Copper P-Trap .....	248.39		11.25
23 23 16 00-0147	EA	1-5/8" ACR Wrought Copper P-Trap .....	351.89		12.19
23 23 16 00-0148	EA	2-1/8" ACR Wrought Copper P-Trap .....	641.06		13.13
<b>23 23 16 00-0149</b>		<b>Sight Glass With Moisture And Liquid Indicator, Solder Connection (23 23 16)</b>			
23 23 16 00-0150	EA	1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	47.52		14.07
23 23 16 00-0151	EA	3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	57.53		16.88
23 23 16 00-0152	EA	1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	69.27		20.62
23 23 16 00-0153	EA	5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	76.54		23.44
23 23 16 00-0154	EA	7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	102.40		30.01
23 23 16 00-0155	EA	1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	119.22		36.57
23 23 16 00-0156	EA	1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	179.35		43.14
23 23 16 00-0157	EA	1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	223.33		59.08
23 23 16 00-0158	EA	2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	274.64		73.13
<b>23 23 16 00-0159</b>		<b>Filter Driers, Solder Connections (23 23 16)</b>			



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0160			<b>Replaceable Core Type Filter Driers, Solder Connections</b> (23 23 16 00-0159)		
23 23 16 00-0161	EA		5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	393.80	8.44
23 23 16 00-0162	EA		7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	402.05	10.31
23 23 16 00-0163	EA		1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	514.87	10.31
23 23 16 00-0164	EA		1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	518.97	11.25
23 23 16 00-0165	EA		1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	583.00	12.19
23 23 16 00-0166	EA		2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	665.43	13.13
23 23 16 00-0167	EA		2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	779.40	14.07
23 23 16 00-0168	EA		3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	973.12	14.07
23 23 16 00-0169			<b>Sealed In-Line Filter Driers, Solder Connections</b> (23 23 16 00-0159)		
23 23 16 00-0170	EA		1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections.....	72.39	8.44
23 23 16 00-0171	EA		3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections.....	92.52	8.44
23 23 16 00-0172	EA		1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections.....	117.71	9.37
23 23 16 00-0173	EA		1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections.....	135.41	9.37
23 23 16 00-0174	EA		5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections.....	149.44	9.37
23 23 16 00-0175	EA		5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections.....	169.02	9.37
23 23 16 00-0176	EA		7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections.....	190.63	10.31
23 23 16 00-0177	EA		7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections.....	268.23	10.31
23 23 16 00-0178	EA		1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections.....	293.98	10.31
23 23 16 00-0179			<b>Bi-Flow Filter Driers, Solder Connections</b> (23 23 16 00-0159)		
23 23 16 00-0180	EA		1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	96.69	8.44
23 23 16 00-0181	EA		3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	109.81	8.44
23 23 16 00-0182	EA		1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	131.86	9.37
23 23 16 00-0183	EA		3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	116.67	8.44
23 23 16 00-0184	EA		1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	146.01	9.37
23 23 16 00-0185	EA		5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	171.45	9.37
23 23 16 00-0186			<b>Refrigerant Compressor Discharge Mufflers</b> (23 23 16)		
23 23 16 00-0187	EA		3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler.....	89.68	8.44
23 23 16 00-0188	EA		1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler.....	99.11	8.44
23 23 16 00-0189	EA		5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler.....	119.13	8.44
23 23 16 00-0190	EA		7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler .....	160.29	10.31
23 23 16 00-0191	EA		1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler .....	209.82	10.31
23 23 16 00-0192	EA		1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler .....	249.67	11.25
23 23 16 00-0193	EA		1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler .....	315.74	12.19
23 23 16 00-0194	EA		2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler .....	558.02	13.13
23 23 16 00-0195	EA		2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler .....	628.86	14.07
23 23 16 00-0196	EA		3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler .....	779.18	14.07
23 23 16 00-0197			<b>Expansion Valves And Vibration Absorbers</b> (23 23 16)		
23 23 16 00-0198			<b>Thermostatic Expansion Valves</b> (23 23 16 00-0197)		
Note: Outside diameter pipe sizes. Sporlan TP-S.					
23 23 16 00-0199	EA		3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve .....	181.21	8.44
23 23 16 00-0200	EA		1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve .....	252.05	9.37
23 23 16 00-0201	EA		5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve .....	420.61	9.37
23 23 16 00-0202	EA		7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve .....	499.03	10.31
23 23 16 00-0203	EA		7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve .....	545.91	10.31
23 23 16 00-0204			<b>Electric Expansion Valves</b> (23 23 16 00-0197)		
Note: Sporlan SEI or SEH.					
23 23 16 00-0205	EA		1/2 To 11 Ton Electric Expansion Valve .....	535.00	11.72
Note: Sporlan SEI.					
23 23 16 00-0206	EA		25 Ton Electric Expansion Valve .....	620.77	12.19
Note: Sporlan SEI.					
23 23 16 00-0207	EA		50 Ton Electric Expansion Valve .....	707.02	12.66
Note: Sporlan SEI.					
23 23 16 00-0208	EA		100 Ton Electric Expansion Valve .....	828.48	12.66
Note: Sporlan SEH.					
23 23 16 00-0209	EA		175 Ton Electric Expansion Valve .....	933.64	13.13
Note: Sporlan SEH.					
23 23 16 00-0210			<b>Braided Stainless Steel Over Copper Vibration Absorber</b> (23 23 16 00-0197)		
23 23 16 00-0211	EA		1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	48.24	12.19
23 23 16 00-0212	EA		3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	49.67	14.07
23 23 16 00-0213	EA		1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	64.00	17.82
23 23 16 00-0214	EA		5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	69.70	21.56
23 23 16 00-0215	EA		3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	82.47	26.25
23 23 16 00-0216	EA		7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	95.12	30.01
23 23 16 00-0217	EA		1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	135.48	11.25
23 23 16 00-0218	EA		1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	187.86	12.19
23 23 16 00-0219	EA		1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	232.62	12.19
23 23 16 00-0220	EA		2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	313.25	13.13
23 23 16 00-0221	EA		2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	526.19	14.07
23 23 16 00-0222	EA		3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	687.40	14.07

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 23 16 00-0223		<b>Accumulator, Refrigerant Suction Line</b> (23 23 16)			
23 23 16 00-0224	EA	3/4" Accumulator, Refrigeration Suction Line.....	155.64		42.66
23 23 16 00-0225	EA	7/8" Accumulator, Refrigeration Suction Line.....	211.24		58.60
23 23 16 00-0226	EA	1-1/8" Accumulator, Refrigeration Suction Line.....	254.69		78.11
23 23 16 00-0227	EA	1 3/8" Accumulator, Refrigeration Suction Line.....	353.36		93.77
23 23 16 00-0228	EA	1-5/8" Accumulator, Refrigeration Suction Line.....	482.94		117.21
23 23 16 00-0229	EA	2-1/8" Accumulator, Refrigeration Suction Line.....	727.00		156.31
23 23 16 00-0230		<b>Special Chemicals/Component</b> (23 23 16)			
23 23 16 00-0231	GAL	Special Chemical, Inhibited Propylene Glycol, 100%.....	28.97		
23 23 16 00-0232	GAL	Removal And Storage For Reuse Of Inhibited Propylene Glycol.....	7.27		
23 23 16 00-0233	GAL	Special Chemical, Inhibited Ethylene Glycol, 100%.....	19.85		
23 23 16 00-0234	EA	Internal Coil/Refrigerant Piping Flush.....	258.93		
		Note: Up to 10 ton AC system.			
23 23 23		<b>Refrigerants</b> (23 23)			
23 23 23 00-0001		<b>Refrigerant</b> (23 23 23)			
23 23 23 00-0002	LB	R-113 Refrigerant.....	24.82		
23 23 23 00-0003	LB	R-123 Refrigerant.....	18.21		
23 23 23 00-0004	LB	R-134A Refrigerant.....	6.49		
23 23 23 00-0005	LB	R-404A Refrigerant.....	11.61		
23 23 23 00-0006	LB	R-407C Refrigerant.....	11.49		
23 23 23 00-0007	LB	R-408A Refrigerant.....	26.19		
23 23 23 00-0008	LB	R-410A Refrigerant.....	11.26		
23 23 23 00-0009	LB	R-500 Refrigerant.....	22.25		
23 23 23 00-0010	LB	R-507 Refrigerant.....	7.16		
23 25		<b>HVAC Water Treatment</b> (23 25)			
23 25 13		<b>Water Treatment for Closed-Loop Hydronic Systems</b> (23 25)			
23 25 13 00-0001		<b>Polyethylene Chemical Storage Tanks</b> (23 25 13)			
23 25 13 00-0002	EA	15 Gallon Chemical Storage Tank, Polyethylene.....	249.26		78.28
23 25 13 00-0003		<b>Gas Chlorinator</b> (23 25 13)			
23 25 13 00-0004	EA	Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,062.43		356.12
		For Booster Pump, Add	405.11		
23 25 13 00-0005	EA	Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,213.72		407.00
		For Booster Pump, Add	463.05		
23 25 13 00-0006	EA	Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,698.12		308.30
		For Booster Pump, Add	570.74		
23 25 13 00-0007		<b>Bypass Shot Feeders</b> (23 25 13)			
		Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.			
23 25 13 00-0008		<b>In Line Mount, 125 PSIG</b> (23 25 13 00-0007)			
23 25 13 00-0009	EA	1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG.....	949.78		265.36
23 25 13 00-0010		<b>Floor Mount, 175 PSIG</b> (23 25 13 00-0007)			
23 25 13 00-0011	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,393.96		399.45
23 25 13 00-0012	EA	12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,837.08		528.85
23 25 13 00-0013		<b>Floor Mount, 150 LB ASME Code</b> (23 25 13 00-0007)			
23 25 13 00-0014	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code.....	1,393.96		399.45
23 25 13 00-0015	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code.....	1,837.08		528.85
23 25 13 00-0016		<b>Floor Mount, 300 LB ASME Code</b> (23 25 13 00-0007)			
23 25 13 00-0017	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code.....	1,778.67		399.45
23 25 13 00-0018	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code.....	2,236.55		528.85
23 30		<b>HVAC Air Distribution</b> (23)			
23 31		<b>HVAC Ducts and Casings</b> (23 30)			
		Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0409 for angle iron, 23 05 29 00-0001 for threaded rod.			
23 31 13		<b>Metal Ducts</b> (23 31)			
23 31 13 13		<b>Rectangular Metal Ducts</b> (23 31 13)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 31 13 13-0001			<b>Steel Sheet Metal Duct</b> <small>(23 31 13 13)</small> Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.		
23 31 13 13-0002			<b>Galvanized Steel Sheet Metal Ductwork</b> <small>(23 31 13 13-0001)</small> Note: SMACNA weight for galvanized steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF		
23 31 13 13-0003	LB		2" WG And Less (Class C), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork .....	13.39	3.41
			For >200 To 500, Add	2.71	
			For >500 To 1,000, Add	1.87	
			For >2,000 To 5,000, Add	0.48	
			For Work In Restricted Working Space, Add	3.14	
			For >1,000 To 2,000, Add	1.05	
			For Up To 200, Add	4.29	
			For Polyvinyl Chloride (PVC) Coated, Add	0.38	
			For Elevated Installation >10' To 15', Add	0.63	
			For Elevated Installation >15' To 20', Add	1.26	
			For Elevated Installation >20' To 25', Add	1.57	
			For Elevated Installation >25' To 30', Add	2.20	
			For Elevated Installation >30' To 35', Add	2.52	
			For Elevated Installation >35' To 40', Add	3.14	
			For Elevated Installation >40', Add	3.46	
23 31 13 13-0004	LB		3" WG (Class B), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork .....	13.96	3.41
			For >200 To 500, Add	2.99	
			For >500 To 1,000, Add	2.09	
			For >2,000 To 5,000, Add	0.54	
			For Work In Restricted Working Space, Add	3.62	
			For >1,000 To 2,000, Add	1.17	
			For Up To 200, Add	4.76	
			For Polyvinyl Chloride (PVC) Coated, Add	0.38	
			For Elevated Installation >10' To 15', Add	0.72	
			For Elevated Installation >15' To 20', Add	1.45	
			For Elevated Installation >20' To 25', Add	1.81	
			For Elevated Installation >25' To 30', Add	2.53	
			For Elevated Installation >30' To 35', Add	2.89	
			For Elevated Installation >35' To 40', Add	3.62	
			For Elevated Installation >40', Add	3.98	
23 31 13 13-0005	LB		4" Or 6" WG (Class A), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork .....	16.57	3.41
			For >200 To 500, Add	3.46	
			For >500 To 1,000, Add	2.45	
			For >2,000 To 5,000, Add	0.64	
			For Work In Restricted Working Space, Add	4.40	
			For >1,000 To 2,000, Add	1.38	
			For Up To 200, Add	5.54	
			For Polyvinyl Chloride (PVC) Coated, Add	0.38	
			For Elevated Installation >10' To 15', Add	0.88	
			For Elevated Installation >15' To 20', Add	1.76	
			For Elevated Installation >20' To 25', Add	2.20	
			For Elevated Installation >25' To 30', Add	3.08	
			For Elevated Installation >30' To 35', Add	3.52	
			For Elevated Installation >35' To 40', Add	4.40	
			For Elevated Installation >40', Add	4.84	
23 31 13 13-0006			<b>Alloy 3003-H14, Aluminum Sheet Metal Ductwork</b> <small>(23 31 13 13-0001)</small> Note: SMACNA weight for aluminum ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge - 0.901 LB/SF; 12 gauge - 0.141 LB/SF		
23 31 13 13-0007	LB		2" WG And Less (Class C), Alloy 3003-H14, Aluminum Sheet Metal Ductwork .....	23.89	3.41
			For >2,000 To 5,000, Add	0.92	
			For Up To 200, Add	8.12	
			For Work In Restricted Working Space, Add	6.21	
			For >1,000 To 2,000, Add	2.01	
			For >200 To 500, Add	5.10	
			For >500 To 1,000, Add	3.57	
			For Elevated Installation >10' To 15', Add	1.24	
			For Elevated Installation >15' To 20', Add	2.48	
			For Elevated Installation >20' To 25', Add	3.11	
			For Elevated Installation >25' To 30', Add	4.35	
			For Elevated Installation >30' To 35', Add	4.97	
			For Elevated Installation >35' To 40', Add	6.21	
			For Elevated Installation >40', Add	6.83	
23 31 13 13-0008	LB		3" WG (Class B), Alloy 3003-H14, Aluminum Sheet Metal Ductwork .....	27.00	3.41
			For >2,000 To 5,000, Add	1.05	
			For Up To 200, Add	9.06	
			For Work In Restricted Working Space, Add	7.14	
			For >1,000 To 2,000, Add	2.26	
			For >200 To 500, Add	5.66	
			For >500 To 1,000, Add	4.00	
			For Elevated Installation >10' To 15', Add	1.43	
			For Elevated Installation >15' To 20', Add	2.86	
			For Elevated Installation >20' To 25', Add	3.57	
			For Elevated Installation >25' To 30', Add	5.00	
			For Elevated Installation >30' To 35', Add	5.71	
			For Elevated Installation >35' To 40', Add	7.14	
			For Elevated Installation >40', Add	7.86	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 13-0009	LB 4" Or 6" WG (Class A), Alloy 3003-H14, Aluminum Sheet Metal Ductwork.....	32.17	3.41
	For >2,000 To 5,000, Add	1.25	
	For Up To 200, Add	10.61	
	For Work In Restricted Working Space, Add	8.69	
	For >1,000 To 2,000, Add	2.67	
	For >200 To 500, Add	6.59	
	For >500 To 1,000, Add	4.73	
	For Elevated Installation >10' To 15', Add	1.74	
	For Elevated Installation >15' To 20', Add	3.48	
	For Elevated Installation >20' To 25', Add	4.35	
	For Elevated Installation >25' To 30', Add	6.09	
	For Elevated Installation >30' To 35', Add	6.96	
	For Elevated Installation >35' To 40', Add	8.69	
	For Elevated Installation >40', Add	9.56	
23 31 13 13-0010	<b>Type 304, Stainless Steel Sheet Metal Ductwork</b> <small>(23 31 13 13-0001)</small>		
	Note: SMACNA weight for stainless steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge - 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge - 3.154 LB/SF; 12 gauge - 4.427 LB/SF		
23 31 13 13-0011	LB 2" WG And Less (Class C), Type 304, Stainless Steel Sheet Metal Ductwork .....	16.83	4.53
	For >2,000 To 5,000, Add	0.63	
	For Welded Seams, Add	6.57	
	For Up To 200, Add	6.28	
	For Work In Restricted Working Space, Add	3.82	
	For >1,000 To 2,000, Add	1.47	
	For >200 To 500, Add	4.06	
	For >500 To 1,000, Add	2.64	
	For Elevated Installation >10' To 15', Add	0.76	
	For Elevated Installation >15' To 20', Add	1.53	
	For Elevated Installation >20' To 25', Add	1.91	
	For Elevated Installation >25' To 30', Add	2.67	
	For Elevated Installation >30' To 35', Add	3.05	
	For Elevated Installation >35' To 40', Add	3.82	
	For Elevated Installation >40', Add	4.20	
23 31 13 13-0012	LB 3" WG (Class B), Type 304, Stainless Steel Sheet Metal Ductwork .....	19.46	4.53
	For >2,000 To 5,000, Add	0.74	
	For Welded Seams, Add	7.88	
	For Up To 200, Add	7.07	
	For Work In Restricted Working Space, Add	4.61	
	For >1,000 To 2,000, Add	1.68	
	For >200 To 500, Add	4.53	
	For >500 To 1,000, Add	3.01	
	For Elevated Installation >10' To 15', Add	0.92	
	For Elevated Installation >15' To 20', Add	1.84	
	For Elevated Installation >20' To 25', Add	2.30	
	For Elevated Installation >25' To 30', Add	3.22	
	For Elevated Installation >30' To 35', Add	3.68	
	For Elevated Installation >35' To 40', Add	4.61	
	For Elevated Installation >40', Add	5.07	
23 31 13 13-0013	LB 4" Or 6" WG (Class A), Type 304, Stainless Steel Sheet Metal Ductwork .....	21.91	4.53
	For >2,000 To 5,000, Add	0.84	
	For Welded Seams, Add	9.11	
	For Up To 200, Add	7.81	
	For Work In Restricted Working Space, Add	5.34	
	For >1,000 To 2,000, Add	1.88	
	For >200 To 500, Add	4.97	
	For >500 To 1,000, Add	3.36	
	For Elevated Installation >10' To 15', Add	1.07	
	For Elevated Installation >15' To 20', Add	2.14	
	For Elevated Installation >20' To 25', Add	2.67	
	For Elevated Installation >25' To 30', Add	3.74	
	For Elevated Installation >30' To 35', Add	4.27	
	For Elevated Installation >35' To 40', Add	5.34	
	For Elevated Installation >40', Add	5.87	
23 31 13 13-0014	<b>Galvanized Steel Sheet Metal Ductwork By LF</b> <small>(23 31 13 13-0001)</small>		
	Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.		
23 31 13 13-0015	<b>30 Gauge Galvanized Steel Metal Ductwork</b> <small>(23 31 13 13-0014)</small>		
23 31 13 13-0016	LF 4" x 4", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork .....	12.92	6.99
	For 3" WG (Class B), Add	1.75	
	For 4" Or 6" WG (Class A), Add	3.73	
	For 10" WG (Class A), Add	5.37	
	For Work In Restricted Working Space, Add	3.50	
23 31 13 13-0017	LF 4" x 6", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork .....	16.14	8.74
	For 3" WG (Class B), Add	2.19	
	For 4" Or 6" WG (Class A), Add	4.67	
	For 10" WG (Class A), Add	6.71	
	For Work In Restricted Working Space, Add	4.37	
23 31 13 13-0018	LF 4" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork .....	19.37	10.50
	For 3" WG (Class B), Add	2.62	
	For 4" Or 6" WG (Class A), Add	5.60	
	For 10" WG (Class A), Add	8.05	
	For Work In Restricted Working Space, Add	5.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0019	LF	4" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	22.59 3.06 6.53 9.38 6.12	12.24
23 31 13	13-0020	LF	4" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	25.83 3.50 7.46 10.73 7.00	13.99
23 31 13	13-0021	LF	4" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	29.04 3.93 8.39 12.07 7.87	15.75
23 31 13	13-0022	LF	4" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	32.28 4.37 9.33 13.41 8.75	17.49
23 31 13	13-0023	LF	6" x 6", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	19.37 2.62 5.60 8.05 5.25	10.50
23 31 13	13-0024	LF	6" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	22.59 3.06 6.53 9.38 6.12	12.24
23 31 13	13-0025	LF	6" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	25.83 3.50 7.46 10.73 7.00	13.99
23 31 13	13-0026	LF	6" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	29.04 3.93 8.39 12.07 7.87	15.75
23 31 13	13-0027	LF	6" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	32.28 4.37 9.33 13.41 8.75	17.49
23 31 13	13-0028	LF	6" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	35.51 4.81 10.26 14.75 9.62	19.24
23 31 13	13-0029	LF	8" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	25.83 3.50 7.46 10.73 7.00	13.99
23 31 13	13-0030	LF	8" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	29.04 3.93 8.39 12.07 7.87	15.75
23 31 13	13-0031	LF	8" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	32.28 4.37 9.33 13.41 8.75	17.49
23 31 13	13-0032	LF	8" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	35.51 4.81 10.26 14.75 9.62	19.24
23 31 13	13-0033	LF	8" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	38.73 5.25 11.19 16.09 10.49	20.98
23 31 13	13-0034	LF	8" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	41.97 5.69 12.13 17.43 11.37	22.74
23 31 13	13-0035	LF	8" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	45.19 6.12 13.06 18.77 12.24	24.49
23 31 13	13-0036	LF	8" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	48.42 6.56 13.99 20.11 13.12	26.23

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0037	LF	8" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	51.64	27.99
			<i>For 3" WG (Class B), Add</i>	7.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	14.92	
			<i>For 10" WG (Class A), Add</i>	21.45	
			<i>For Work In Restricted Working Space, Add</i>	13.99	
23 31 13	13-0038	LF	10" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	32.28	17.49
			<i>For 3" WG (Class B), Add</i>	4.37	
			<i>For 4" Or 6" WG (Class A), Add</i>	9.33	
			<i>For 10" WG (Class A), Add</i>	13.41	
			<i>For Work In Restricted Working Space, Add</i>	8.75	
23 31 13	13-0039	LF	10" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	35.51	19.24
			<i>For 3" WG (Class B), Add</i>	4.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	10.26	
			<i>For 10" WG (Class A), Add</i>	14.75	
			<i>For Work In Restricted Working Space, Add</i>	9.62	
23 31 13	13-0040	LF	10" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	38.73	20.98
			<i>For 3" WG (Class B), Add</i>	5.25	
			<i>For 4" Or 6" WG (Class A), Add</i>	11.19	
			<i>For 10" WG (Class A), Add</i>	16.09	
			<i>For Work In Restricted Working Space, Add</i>	10.49	
23 31 13	13-0041	LF	10" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	41.97	22.74
			<i>For 3" WG (Class B), Add</i>	5.69	
			<i>For 4" Or 6" WG (Class A), Add</i>	12.13	
			<i>For 10" WG (Class A), Add</i>	17.43	
			<i>For Work In Restricted Working Space, Add</i>	11.37	
23 31 13	13-0042	LF	10" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	45.19	24.49
			<i>For 3" WG (Class B), Add</i>	6.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	13.06	
			<i>For 10" WG (Class A), Add</i>	18.77	
			<i>For Work In Restricted Working Space, Add</i>	12.24	
23 31 13	13-0043	LF	10" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	48.42	26.23
			<i>For 3" WG (Class B), Add</i>	6.56	
			<i>For 4" Or 6" WG (Class A), Add</i>	13.99	
			<i>For 10" WG (Class A), Add</i>	20.11	
			<i>For Work In Restricted Working Space, Add</i>	13.12	
23 31 13	13-0044	LF	10" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	51.64	27.99
			<i>For 3" WG (Class B), Add</i>	7.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	14.92	
			<i>For 10" WG (Class A), Add</i>	21.45	
			<i>For Work In Restricted Working Space, Add</i>	13.99	
23 31 13	13-0045	LF	10" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	54.88	29.73
			<i>For 3" WG (Class B), Add</i>	7.43	
			<i>For 4" Or 6" WG (Class A), Add</i>	15.86	
			<i>For 10" WG (Class A), Add</i>	22.80	
			<i>For Work In Restricted Working Space, Add</i>	14.87	
23 31 13	13-0046	LF	12" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	38.73	20.98
			<i>For 3" WG (Class B), Add</i>	5.25	
			<i>For 4" Or 6" WG (Class A), Add</i>	11.19	
			<i>For 10" WG (Class A), Add</i>	16.09	
			<i>For Work In Restricted Working Space, Add</i>	10.49	
23 31 13	13-0047	LF	12" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	41.97	22.74
			<i>For 3" WG (Class B), Add</i>	5.69	
			<i>For 4" Or 6" WG (Class A), Add</i>	12.13	
			<i>For 10" WG (Class A), Add</i>	17.43	
			<i>For Work In Restricted Working Space, Add</i>	11.37	
23 31 13	13-0048	LF	12" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	45.19	24.49
			<i>For 3" WG (Class B), Add</i>	6.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	13.06	
			<i>For 10" WG (Class A), Add</i>	18.77	
			<i>For Work In Restricted Working Space, Add</i>	12.24	
23 31 13	13-0049	LF	12" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	48.42	26.23
			<i>For 3" WG (Class B), Add</i>	6.56	
			<i>For 4" Or 6" WG (Class A), Add</i>	13.99	
			<i>For 10" WG (Class A), Add</i>	20.11	
			<i>For Work In Restricted Working Space, Add</i>	13.12	
23 31 13	13-0050	LF	12" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	51.64	27.99
			<i>For 3" WG (Class B), Add</i>	7.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	14.92	
			<i>For 10" WG (Class A), Add</i>	21.45	
			<i>For Work In Restricted Working Space, Add</i>	13.99	
23 31 13	13-0051	LF	12" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	54.88	29.73
			<i>For 3" WG (Class B), Add</i>	7.43	
			<i>For 4" Or 6" WG (Class A), Add</i>	15.86	
			<i>For 10" WG (Class A), Add</i>	22.80	
			<i>For Work In Restricted Working Space, Add</i>	14.87	
23 31 13	13-0052	LF	12" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	58.11	31.48
			<i>For 3" WG (Class B), Add</i>	7.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	16.79	
			<i>For 10" WG (Class A), Add</i>	24.14	
			<i>For Work In Restricted Working Space, Add</i>	15.74	
23 31 13	13-0053	LF	14" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	45.19	24.49
			<i>For 3" WG (Class B), Add</i>	6.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	13.06	
			<i>For 10" WG (Class A), Add</i>	18.77	
			<i>For Work In Restricted Working Space, Add</i>	12.24	
23 31 13	13-0054	LF	14" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	48.42	26.23
			<i>For 3" WG (Class B), Add</i>	6.56	
			<i>For 4" Or 6" WG (Class A), Add</i>	13.99	
			<i>For 10" WG (Class A), Add</i>	20.11	
			<i>For Work In Restricted Working Space, Add</i>	13.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0055	LF	14" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	51.64	27.99
			For 3" WG (Class B), Add	7.00	
			For 4" Or 6" WG (Class A), Add	14.92	
			For 10" WG (Class A), Add	21.45	
			For Work In Restricted Working Space, Add	13.99	
23 31 13	13-0056	LF	14" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	54.88	29.73
			For 3" WG (Class B), Add	7.43	
			For 4" Or 6" WG (Class A), Add	15.86	
			For 10" WG (Class A), Add	22.80	
			For Work In Restricted Working Space, Add	14.87	
23 31 13	13-0057	LF	14" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	58.11	31.48
			For 3" WG (Class B), Add	7.87	
			For 4" Or 6" WG (Class A), Add	16.79	
			For 10" WG (Class A), Add	24.14	
			For Work In Restricted Working Space, Add	15.74	
23 31 13	13-0058	LF	14" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	61.34	33.24
			For 3" WG (Class B), Add	8.31	
			For 4" Or 6" WG (Class A), Add	17.72	
			For 10" WG (Class A), Add	25.48	
			For Work In Restricted Working Space, Add	16.62	
23 31 13	13-0059	LF	16" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	51.64	27.99
			For 3" WG (Class B), Add	7.00	
			For 4" Or 6" WG (Class A), Add	14.92	
			For 10" WG (Class A), Add	21.45	
			For Work In Restricted Working Space, Add	13.99	
23 31 13	13-0060	LF	16" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	54.88	29.73
			For 3" WG (Class B), Add	7.43	
			For 4" Or 6" WG (Class A), Add	15.86	
			For 10" WG (Class A), Add	22.80	
			For Work In Restricted Working Space, Add	14.87	
23 31 13	13-0061	LF	16" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	58.11	31.48
			For 3" WG (Class B), Add	7.87	
			For 4" Or 6" WG (Class A), Add	16.79	
			For 10" WG (Class A), Add	24.14	
			For Work In Restricted Working Space, Add	15.74	
23 31 13	13-0062	LF	16" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	61.34	33.24
			For 3" WG (Class B), Add	8.31	
			For 4" Or 6" WG (Class A), Add	17.72	
			For 10" WG (Class A), Add	25.48	
			For Work In Restricted Working Space, Add	16.62	
23 31 13	13-0063	LF	16" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	64.56	34.98
			For 3" WG (Class B), Add	8.75	
			For 4" Or 6" WG (Class A), Add	18.66	
			For 10" WG (Class A), Add	26.82	
			For Work In Restricted Working Space, Add	17.49	
23 31 13	13-0064	LF	18" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	58.11	31.48
			For 3" WG (Class B), Add	7.87	
			For 4" Or 6" WG (Class A), Add	16.79	
			For 10" WG (Class A), Add	24.14	
			For Work In Restricted Working Space, Add	15.74	
23 31 13	13-0065	LF	18" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	61.34	33.24
			For 3" WG (Class B), Add	8.31	
			For 4" Or 6" WG (Class A), Add	17.72	
			For 10" WG (Class A), Add	25.48	
			For Work In Restricted Working Space, Add	16.62	
23 31 13	13-0066	LF	18" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	64.56	34.98
			For 3" WG (Class B), Add	8.75	
			For 4" Or 6" WG (Class A), Add	18.66	
			For 10" WG (Class A), Add	26.82	
			For Work In Restricted Working Space, Add	17.49	
23 31 13	13-0067	LF	18" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	67.77	36.73
			For 3" WG (Class B), Add	9.18	
			For 4" Or 6" WG (Class A), Add	19.59	
			For 10" WG (Class A), Add	28.16	
			For Work In Restricted Working Space, Add	18.36	
23 31 13	13-0068	LF	20" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	64.56	34.98
			For 3" WG (Class B), Add	8.75	
			For 4" Or 6" WG (Class A), Add	18.66	
			For 10" WG (Class A), Add	26.82	
			For Work In Restricted Working Space, Add	17.49	
23 31 13	13-0069	LF	20" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	67.77	36.73
			For 3" WG (Class B), Add	9.18	
			For 4" Or 6" WG (Class A), Add	19.59	
			For 10" WG (Class A), Add	28.16	
			For Work In Restricted Working Space, Add	18.36	
23 31 13	13-0070	LF	20" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	71.00	38.47
			For 3" WG (Class B), Add	9.62	
			For 4" Or 6" WG (Class A), Add	20.52	
			For 10" WG (Class A), Add	29.50	
			For Work In Restricted Working Space, Add	19.24	
23 31 13	13-0071	LF	22" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	71.00	38.47
			For 3" WG (Class B), Add	9.62	
			For 4" Or 6" WG (Class A), Add	20.52	
			For 10" WG (Class A), Add	29.50	
			For Work In Restricted Working Space, Add	19.24	
23 31 13	13-0072	LF	22" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	74.24	40.23
			For 3" WG (Class B), Add	10.06	
			For 4" Or 6" WG (Class A), Add	21.46	
			For 10" WG (Class A), Add	30.84	
			For Work In Restricted Working Space, Add	20.12	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 13-0073	LF 24" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	77.48 10.50 22.39 32.19 20.99	41.98
<b>23 31 13 13-0074</b>	<b>28 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)</b>		
23 31 13 13-0075	LF 4" x 4", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	15.36 2.08 4.44 6.38 4.16	8.33
23 31 13 13-0076	LF 4" x 6", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	19.22 2.60 5.55 7.98 5.21	10.41
23 31 13 13-0077	LF 4" x 8", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	23.06 3.12 6.67 9.58 6.25	12.49
23 31 13 13-0078	LF 4" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	26.89 3.64 7.77 11.17 7.29	14.58
23 31 13 13-0079	LF 4" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	30.74 4.16 8.88 12.77 8.33	16.67
23 31 13 13-0080	LF 4" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	34.59 4.69 10.00 14.37 9.37	18.74
23 31 13 13-0081	LF 4" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	38.43 5.21 11.11 15.97 10.41	20.83
23 31 13 13-0082	LF 6" x 6", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	23.06 3.12 6.67 9.58 6.25	12.49
23 31 13 13-0083	LF 6" x 8", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	26.89 3.64 7.77 11.17 7.29	14.58
23 31 13 13-0084	LF 6" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	30.74 4.16 8.88 12.77 8.33	16.67
23 31 13 13-0085	LF 6" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	34.59 4.69 10.00 14.37 9.37	18.74
23 31 13 13-0086	LF 6" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	38.43 5.21 11.11 15.97 10.41	20.83
23 31 13 13-0087	LF 6" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	42.28 5.73 12.22 17.56 11.45	22.91
23 31 13 13-0088	LF 8" x 8", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	30.74 4.16 8.88 12.77 8.33	16.67
23 31 13 13-0089	LF 8" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	34.59 4.69 10.00 14.37 9.37	18.74
23 31 13 13-0090	LF 8" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	38.43 5.21 11.11 15.97 10.41	20.83



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0091	LF	8" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	42.28 5.73 12.22 17.56 11.45	22.91
23 31 13	13-0092	LF	8" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	46.11 6.25 13.32 19.15 12.49	24.99
23 31 13	13-0093	LF	8" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	49.95 6.77 14.44 20.76 13.54	27.07
23 31 13	13-0094	LF	8" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	53.81 7.29 15.55 22.35 14.58	29.16
23 31 13	13-0095	LF	8" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	57.63 7.81 16.66 23.94 15.62	31.24
23 31 13	13-0096	LF	8" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	61.50 8.33 17.77 25.54 16.66	33.32
23 31 13	13-0097	LF	10" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	38.43 5.21 11.11 15.97 10.41	20.83
23 31 13	13-0098	LF	10" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	42.28 5.73 12.22 17.56 11.45	22.91
23 31 13	13-0099	LF	10" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	46.11 6.25 13.32 19.15 12.49	24.99
23 31 13	13-0100	LF	10" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	49.95 6.77 14.44 20.76 13.54	27.07
23 31 13	13-0101	LF	10" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	53.81 7.29 15.55 22.35 14.58	29.16
23 31 13	13-0102	LF	10" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	57.63 7.81 16.66 23.94 15.62	31.24
23 31 13	13-0103	LF	10" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	61.50 8.33 17.77 25.54 16.66	33.32
23 31 13	13-0104	LF	10" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	65.34 8.85 18.88 27.14 17.70	35.41
23 31 13	13-0105	LF	12" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	46.11 6.25 13.32 19.15 12.49	24.99
23 31 13	13-0106	LF	12" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	49.95 6.77 14.44 20.76 13.54	27.07
23 31 13	13-0107	LF	12" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	53.81 7.29 15.55 22.35 14.58	29.16
23 31 13	13-0108	LF	12" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	57.63 7.81 16.66 23.94 15.62	31.24

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0109	LF		12" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	61.50	33.32
			For 3" WG (Class B), Add	8.33	
			For 4" Or 6" WG (Class A), Add	17.77	
			For 10" WG (Class A), Add	25.54	
			For Work In Restricted Working Space, Add	16.66	
23 31 13 13-0110	LF		12" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	65.34	35.41
			For 3" WG (Class B), Add	8.85	
			For 4" Or 6" WG (Class A), Add	18.88	
			For 10" WG (Class A), Add	27.14	
			For Work In Restricted Working Space, Add	17.70	
23 31 13 13-0111	LF		12" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	69.17	37.47
			For 3" WG (Class B), Add	9.37	
			For 4" Or 6" WG (Class A), Add	19.99	
			For 10" WG (Class A), Add	28.74	
			For Work In Restricted Working Space, Add	18.74	
23 31 13 13-0112	LF		14" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	53.81	29.16
			For 3" WG (Class B), Add	7.29	
			For 4" Or 6" WG (Class A), Add	15.55	
			For 10" WG (Class A), Add	22.35	
			For Work In Restricted Working Space, Add	14.58	
23 31 13 13-0113	LF		14" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	57.63	31.24
			For 3" WG (Class B), Add	7.81	
			For 4" Or 6" WG (Class A), Add	16.66	
			For 10" WG (Class A), Add	23.94	
			For Work In Restricted Working Space, Add	15.62	
23 31 13 13-0114	LF		14" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	61.50	33.32
			For 3" WG (Class B), Add	8.33	
			For 4" Or 6" WG (Class A), Add	17.77	
			For 10" WG (Class A), Add	25.54	
			For Work In Restricted Working Space, Add	16.66	
23 31 13 13-0115	LF		14" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	65.34	35.41
			For 3" WG (Class B), Add	8.85	
			For 4" Or 6" WG (Class A), Add	18.88	
			For 10" WG (Class A), Add	27.14	
			For Work In Restricted Working Space, Add	17.70	
23 31 13 13-0116	LF		14" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	69.17	37.47
			For 3" WG (Class B), Add	9.37	
			For 4" Or 6" WG (Class A), Add	19.99	
			For 10" WG (Class A), Add	28.74	
			For Work In Restricted Working Space, Add	18.74	
23 31 13 13-0117	LF		14" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	73.03	39.56
			For 3" WG (Class B), Add	9.89	
			For 4" Or 6" WG (Class A), Add	21.10	
			For 10" WG (Class A), Add	30.34	
			For Work In Restricted Working Space, Add	19.79	
23 31 13 13-0118	LF		16" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	61.50	33.32
			For 3" WG (Class B), Add	8.33	
			For 4" Or 6" WG (Class A), Add	17.77	
			For 10" WG (Class A), Add	25.54	
			For Work In Restricted Working Space, Add	16.66	
23 31 13 13-0119	LF		16" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	65.34	35.41
			For 3" WG (Class B), Add	8.85	
			For 4" Or 6" WG (Class A), Add	18.88	
			For 10" WG (Class A), Add	27.14	
			For Work In Restricted Working Space, Add	17.70	
23 31 13 13-0120	LF		16" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	69.17	37.47
			For 3" WG (Class B), Add	9.37	
			For 4" Or 6" WG (Class A), Add	19.99	
			For 10" WG (Class A), Add	28.74	
			For Work In Restricted Working Space, Add	18.74	
23 31 13 13-0121	LF		16" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	73.03	39.56
			For 3" WG (Class B), Add	9.89	
			For 4" Or 6" WG (Class A), Add	21.10	
			For 10" WG (Class A), Add	30.34	
			For Work In Restricted Working Space, Add	19.79	
23 31 13 13-0122	LF		16" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	76.86	41.64
			For 3" WG (Class B), Add	10.41	
			For 4" Or 6" WG (Class A), Add	22.21	
			For 10" WG (Class A), Add	31.93	
			For Work In Restricted Working Space, Add	20.82	
23 31 13 13-0123	LF		18" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	69.17	37.47
			For 3" WG (Class B), Add	9.37	
			For 4" Or 6" WG (Class A), Add	19.99	
			For 10" WG (Class A), Add	28.74	
			For Work In Restricted Working Space, Add	18.74	
23 31 13 13-0124	LF		18" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	73.03	39.56
			For 3" WG (Class B), Add	9.89	
			For 4" Or 6" WG (Class A), Add	21.10	
			For 10" WG (Class A), Add	30.34	
			For Work In Restricted Working Space, Add	19.79	
23 31 13 13-0125	LF		18" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	76.86	41.64
			For 3" WG (Class B), Add	10.41	
			For 4" Or 6" WG (Class A), Add	22.21	
			For 10" WG (Class A), Add	31.93	
			For Work In Restricted Working Space, Add	20.82	
23 31 13 13-0126	LF		18" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	80.70	43.74
			For 3" WG (Class B), Add	10.93	
			For 4" Or 6" WG (Class A), Add	23.32	
			For 10" WG (Class A), Add	33.52	
			For Work In Restricted Working Space, Add	21.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0127	LF		20" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	76.86	41.64
			For 3" WG (Class B), Add	10.41	
			For 4" Or 6" WG (Class A), Add	22.21	
			For 10" WG (Class A), Add	31.93	
			For Work In Restricted Working Space, Add	20.82	
23 31 13 13-0128	LF		20" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	80.70	43.74
			For 3" WG (Class B), Add	10.93	
			For 4" Or 6" WG (Class A), Add	23.32	
			For 10" WG (Class A), Add	33.52	
			For Work In Restricted Working Space, Add	21.86	
23 31 13 13-0129	LF		20" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	84.55	45.81
			For 3" WG (Class B), Add	11.45	
			For 4" Or 6" WG (Class A), Add	24.43	
			For 10" WG (Class A), Add	35.12	
			For Work In Restricted Working Space, Add	22.91	
23 31 13 13-0130	LF		22" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	84.55	45.81
			For 3" WG (Class B), Add	11.45	
			For 4" Or 6" WG (Class A), Add	24.43	
			For 10" WG (Class A), Add	35.12	
			For Work In Restricted Working Space, Add	22.91	
23 31 13 13-0131	LF		22" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	88.39	47.89
			For 3" WG (Class B), Add	11.97	
			For 4" Or 6" WG (Class A), Add	25.54	
			For 10" WG (Class A), Add	36.72	
			For Work In Restricted Working Space, Add	23.95	
23 31 13 13-0132	LF		24" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork .....	92.23	49.98
			For 3" WG (Class B), Add	12.50	
			For 4" Or 6" WG (Class A), Add	26.66	
			For 10" WG (Class A), Add	38.32	
			For Work In Restricted Working Space, Add	24.99	
<b>23 31 13 13-0133</b>			<b>26 Gauge Galvanized Steel Metal Ductwork</b> <small>(23 31 13 13-0014)</small>		
23 31 13 13-0134	LF		4" x 4", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork .....	17.84	9.66
			For 3" WG (Class B), Add	2.42	
			For 4" Or 6" WG (Class A), Add	5.16	
			For 10" WG (Class A), Add	7.41	
			For Work In Restricted Working Space, Add	4.83	
23 31 13 13-0135	LF		4" x 6", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork .....	22.29	12.07
			For 3" WG (Class B), Add	3.02	
			For 4" Or 6" WG (Class A), Add	6.44	
			For 10" WG (Class A), Add	9.26	
			For Work In Restricted Working Space, Add	6.04	
23 31 13 13-0136	LF		4" x 8", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork .....	26.75	14.50
			For 3" WG (Class B), Add	3.62	
			For 4" Or 6" WG (Class A), Add	7.73	
			For 10" WG (Class A), Add	11.11	
			For Work In Restricted Working Space, Add	7.25	
23 31 13 13-0137	LF		4" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork .....	31.20	16.92
			For 3" WG (Class B), Add	4.23	
			For 4" Or 6" WG (Class A), Add	9.02	
			For 10" WG (Class A), Add	12.96	
			For Work In Restricted Working Space, Add	8.45	
23 31 13 13-0138	LF		4" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork .....	35.66	19.33
			For 3" WG (Class B), Add	4.83	
			For 4" Or 6" WG (Class A), Add	10.30	
			For 10" WG (Class A), Add	14.81	
			For Work In Restricted Working Space, Add	9.66	
23 31 13 13-0139	LF		4" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork .....	40.12	21.74
			For 3" WG (Class B), Add	5.43	
			For 4" Or 6" WG (Class A), Add	11.59	
			For 10" WG (Class A), Add	16.67	
			For Work In Restricted Working Space, Add	10.87	
23 31 13 13-0140	LF		4" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork .....	44.57	24.16
			For 3" WG (Class B), Add	6.04	
			For 4" Or 6" WG (Class A), Add	12.88	
			For 10" WG (Class A), Add	18.52	
			For Work In Restricted Working Space, Add	12.08	
23 31 13 13-0141	LF		6" x 6", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork .....	26.75	14.50
			For 3" WG (Class B), Add	3.62	
			For 4" Or 6" WG (Class A), Add	7.73	
			For 10" WG (Class A), Add	11.11	
			For Work In Restricted Working Space, Add	7.25	
23 31 13 13-0142	LF		6" x 8", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork .....	31.20	16.92
			For 3" WG (Class B), Add	4.23	
			For 4" Or 6" WG (Class A), Add	9.02	
			For 10" WG (Class A), Add	12.96	
			For Work In Restricted Working Space, Add	8.45	
23 31 13 13-0143	LF		6" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork .....	35.66	19.33
			For 3" WG (Class B), Add	4.83	
			For 4" Or 6" WG (Class A), Add	10.30	
			For 10" WG (Class A), Add	14.81	
			For Work In Restricted Working Space, Add	9.66	
23 31 13 13-0144	LF		6" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork .....	40.12	21.74
			For 3" WG (Class B), Add	5.43	
			For 4" Or 6" WG (Class A), Add	11.59	
			For 10" WG (Class A), Add	16.67	
			For Work In Restricted Working Space, Add	10.87	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0145	LF	6" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	44.57	24.16	
		For 3" WG (Class B), Add	6.04		
		For 4" Or 6" WG (Class A), Add	12.88		
		For 10" WG (Class A), Add	18.52		
		For Work In Restricted Working Space, Add	12.08		
23 31 13 13-0146	LF	6" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	49.05	26.57	
		For 3" WG (Class B), Add	6.64		
		For 4" Or 6" WG (Class A), Add	14.17		
		For 10" WG (Class A), Add	20.37		
		For Work In Restricted Working Space, Add	13.29		
23 31 13 13-0147	LF	8" x 8", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	35.66	19.33	
		For 3" WG (Class B), Add	4.83		
		For 4" Or 6" WG (Class A), Add	10.30		
		For 10" WG (Class A), Add	14.81		
		For Work In Restricted Working Space, Add	9.66		
23 31 13 13-0148	LF	8" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	40.12	21.74	
		For 3" WG (Class B), Add	5.43		
		For 4" Or 6" WG (Class A), Add	11.59		
		For 10" WG (Class A), Add	16.67		
		For Work In Restricted Working Space, Add	10.87		
23 31 13 13-0149	LF	8" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	44.58	24.16	
		For 3" WG (Class B), Add	6.04		
		For 4" Or 6" WG (Class A), Add	12.88		
		For 10" WG (Class A), Add	18.52		
		For Work In Restricted Working Space, Add	12.08		
23 31 13 13-0150	LF	8" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	49.05	26.57	
		For 3" WG (Class B), Add	6.64		
		For 4" Or 6" WG (Class A), Add	14.17		
		For 10" WG (Class A), Add	20.37		
		For Work In Restricted Working Space, Add	13.29		
23 31 13 13-0151	LF	8" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	53.51	28.99	
		For 3" WG (Class B), Add	7.25		
		For 4" Or 6" WG (Class A), Add	15.46		
		For 10" WG (Class A), Add	22.23		
		For Work In Restricted Working Space, Add	14.50		
23 31 13 13-0152	LF	8" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	57.95	31.40	
		For 3" WG (Class B), Add	7.85		
		For 4" Or 6" WG (Class A), Add	16.75		
		For 10" WG (Class A), Add	24.08		
		For Work In Restricted Working Space, Add	15.70		
23 31 13 13-0153	LF	8" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	62.41	33.82	
		For 3" WG (Class B), Add	8.46		
		For 4" Or 6" WG (Class A), Add	18.04		
		For 10" WG (Class A), Add	25.93		
		For Work In Restricted Working Space, Add	16.91		
23 31 13 13-0154	LF	8" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	66.88	36.23	
		For 3" WG (Class B), Add	9.06		
		For 4" Or 6" WG (Class A), Add	19.32		
		For 10" WG (Class A), Add	27.78		
		For Work In Restricted Working Space, Add	18.12		
23 31 13 13-0155	LF	8" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	71.33	38.64	
		For 3" WG (Class B), Add	9.66		
		For 4" Or 6" WG (Class A), Add	20.61		
		For 10" WG (Class A), Add	29.63		
		For Work In Restricted Working Space, Add	19.33		
23 31 13 13-0156	LF	10" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	44.58	24.16	
		For 3" WG (Class B), Add	6.04		
		For 4" Or 6" WG (Class A), Add	12.88		
		For 10" WG (Class A), Add	18.52		
		For Work In Restricted Working Space, Add	12.08		
23 31 13 13-0157	LF	10" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	49.04	26.57	
		For 3" WG (Class B), Add	6.64		
		For 4" Or 6" WG (Class A), Add	14.17		
		For 10" WG (Class A), Add	20.37		
		For Work In Restricted Working Space, Add	13.29		
23 31 13 13-0158	LF	10" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	53.51	28.99	
		For 3" WG (Class B), Add	7.25		
		For 4" Or 6" WG (Class A), Add	15.46		
		For 10" WG (Class A), Add	22.23		
		For Work In Restricted Working Space, Add	14.50		
23 31 13 13-0159	LF	10" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	57.95	31.40	
		For 3" WG (Class B), Add	7.85		
		For 4" Or 6" WG (Class A), Add	16.75		
		For 10" WG (Class A), Add	24.08		
		For Work In Restricted Working Space, Add	15.70		
23 31 13 13-0160	LF	10" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	62.41	33.82	
		For 3" WG (Class B), Add	8.46		
		For 4" Or 6" WG (Class A), Add	18.04		
		For 10" WG (Class A), Add	25.93		
		For Work In Restricted Working Space, Add	16.91		
23 31 13 13-0161	LF	10" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	66.88	36.23	
		For 3" WG (Class B), Add	9.06		
		For 4" Or 6" WG (Class A), Add	19.32		
		For 10" WG (Class A), Add	27.78		
		For Work In Restricted Working Space, Add	18.12		
23 31 13 13-0162	LF	10" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	71.33	38.64	
		For 3" WG (Class B), Add	9.66		
		For 4" Or 6" WG (Class A), Add	20.61		
		For 10" WG (Class A), Add	29.63		
		For Work In Restricted Working Space, Add	19.33		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0163	LF	10" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	75.79 10.27 21.90 31.49 20.54	41.07
23 31 13	13-0164	LF	12" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	53.50 7.25 15.46 22.23 14.50	28.99
23 31 13	13-0165	LF	12" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	57.95 7.85 16.75 24.08 15.70	31.40
23 31 13	13-0166	LF	12" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	62.41 8.46 18.04 25.93 16.91	33.82
23 31 13	13-0167	LF	12" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	66.88 9.06 19.32 27.78 18.12	36.23
23 31 13	13-0168	LF	12" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	71.33 9.66 20.61 29.63 19.33	38.64
23 31 13	13-0169	LF	12" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	75.79 10.27 21.90 31.49 20.54	41.07
23 31 13	13-0170	LF	12" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	80.25 10.87 23.19 33.34 21.74	43.49
23 31 13	13-0171	LF	14" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	62.41 8.46 18.04 25.93 16.91	33.82
23 31 13	13-0172	LF	14" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	66.88 9.06 19.32 27.78 18.12	36.23
23 31 13	13-0173	LF	14" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	71.33 9.66 20.61 29.63 19.33	38.64
23 31 13	13-0174	LF	14" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	75.79 10.27 21.90 31.49 20.54	41.07
23 31 13	13-0175	LF	14" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	80.25 10.87 23.19 33.34 21.74	43.49
23 31 13	13-0176	LF	14" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	84.72 11.48 24.48 35.19 22.95	45.90
23 31 13	13-0177	LF	16" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	71.33 9.66 20.61 29.63 19.33	38.64
23 31 13	13-0178	LF	16" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	75.79 10.27 21.90 31.49 20.54	41.07
23 31 13	13-0179	LF	16" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	80.25 10.87 23.19 33.34 21.74	43.49
23 31 13	13-0180	LF	16" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	84.72 11.48 24.48 35.19 22.95	45.90

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

HUMBOLDT STATE UNIVERSITY

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

23 31 13 13-0181	LF 16" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	89.16	48.32
	For 3" WG (Class B), Add	12.08	
	For 4" Or 6" WG (Class A), Add	25.77	
	For 10" WG (Class A), Add	37.04	
	For Work In Restricted Working Space, Add	24.16	
23 31 13 13-0182	LF 18" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	80.25	43.49
	For 3" WG (Class B), Add	10.87	
	For 4" Or 6" WG (Class A), Add	23.19	
	For 10" WG (Class A), Add	33.34	
	For Work In Restricted Working Space, Add	21.74	
23 31 13 13-0183	LF 18" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	84.72	45.90
	For 3" WG (Class B), Add	11.48	
	For 4" Or 6" WG (Class A), Add	24.48	
	For 10" WG (Class A), Add	35.19	
	For Work In Restricted Working Space, Add	22.95	
23 31 13 13-0184	LF 18" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	89.16	48.32
	For 3" WG (Class B), Add	12.08	
	For 4" Or 6" WG (Class A), Add	25.77	
	For 10" WG (Class A), Add	37.04	
	For Work In Restricted Working Space, Add	24.16	
23 31 13 13-0185	LF 18" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	93.62	50.73
	For 3" WG (Class B), Add	12.68	
	For 4" Or 6" WG (Class A), Add	27.06	
	For 10" WG (Class A), Add	38.89	
	For Work In Restricted Working Space, Add	25.37	
23 31 13 13-0186	LF 20" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	89.16	48.32
	For 3" WG (Class B), Add	12.08	
	For 4" Or 6" WG (Class A), Add	25.77	
	For 10" WG (Class A), Add	37.04	
	For Work In Restricted Working Space, Add	24.16	
23 31 13 13-0187	LF 20" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	93.62	50.73
	For 3" WG (Class B), Add	12.68	
	For 4" Or 6" WG (Class A), Add	27.06	
	For 10" WG (Class A), Add	38.89	
	For Work In Restricted Working Space, Add	25.37	
23 31 13 13-0188	LF 20" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	98.07	53.14
	For 3" WG (Class B), Add	13.29	
	For 4" Or 6" WG (Class A), Add	28.34	
	For 10" WG (Class A), Add	40.74	
	For Work In Restricted Working Space, Add	26.57	
23 31 13 13-0189	LF 22" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	98.07	53.14
	For 3" WG (Class B), Add	13.29	
	For 4" Or 6" WG (Class A), Add	28.34	
	For 10" WG (Class A), Add	40.74	
	For Work In Restricted Working Space, Add	26.57	
23 31 13 13-0190	LF 22" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	102.54	55.56
	For 3" WG (Class B), Add	13.89	
	For 4" Or 6" WG (Class A), Add	29.63	
	For 10" WG (Class A), Add	42.60	
	For Work In Restricted Working Space, Add	27.78	
23 31 13 13-0191	LF 24" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	107.00	57.98
	For 3" WG (Class B), Add	14.49	
	For 4" Or 6" WG (Class A), Add	30.92	
	For 10" WG (Class A), Add	44.45	
	For Work In Restricted Working Space, Add	28.99	

**23 31 13 13-0192 24 Gauge Galvanized Steel Metal Ductwork** (23 31 13 13-0014)

23 31 13 13-0193	LF 4" x 4", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	27.20	14.99
	For 3" WG (Class B), Add	3.75	
	For 4" Or 6" WG (Class A), Add	8.00	
	For 10" WG (Class A), Add	11.50	
	For Work In Restricted Working Space, Add	7.50	
23 31 13 13-0194	LF 4" x 6", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	34.01	18.74
	For 3" WG (Class B), Add	4.69	
	For 4" Or 6" WG (Class A), Add	10.00	
	For 10" WG (Class A), Add	14.38	
	For Work In Restricted Working Space, Add	9.38	
23 31 13 13-0195	LF 4" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	40.80	22.49
	For 3" WG (Class B), Add	5.62	
	For 4" Or 6" WG (Class A), Add	12.00	
	For 10" WG (Class A), Add	17.25	
	For Work In Restricted Working Space, Add	11.25	
23 31 13 13-0196	LF 4" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	47.60	26.25
	For 3" WG (Class B), Add	6.56	
	For 4" Or 6" WG (Class A), Add	14.00	
	For 10" WG (Class A), Add	20.12	
	For Work In Restricted Working Space, Add	13.12	
23 31 13 13-0197	LF 4" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	54.39	30.00
	For 3" WG (Class B), Add	7.50	
	For 4" Or 6" WG (Class A), Add	15.99	
	For 10" WG (Class A), Add	22.99	
	For Work In Restricted Working Space, Add	14.99	
23 31 13 13-0198	LF 4" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	61.19	33.74
	For 3" WG (Class B), Add	8.43	
	For 4" Or 6" WG (Class A), Add	17.99	
	For 10" WG (Class A), Add	25.87	
	For Work In Restricted Working Space, Add	16.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0199	LF	4" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	67.99 9.37 19.99 28.74 18.74	37.49
23 31 13	13-0200	LF	6" x 6", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	40.80 5.62 12.00 17.25 11.25	22.49
23 31 13	13-0201	LF	6" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	47.60 6.56 14.00 20.12 13.12	26.25
23 31 13	13-0202	LF	6" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	54.39 7.50 15.99 22.99 14.99	30.00
23 31 13	13-0203	LF	6" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	61.19 8.43 17.99 25.87 16.87	33.74
23 31 13	13-0204	LF	6" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	67.99 9.37 19.99 28.74 18.74	37.49
23 31 13	13-0205	LF	6" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	74.79 10.31 21.99 31.62 20.62	41.24
23 31 13	13-0206	LF	8" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	54.39 7.50 15.99 22.99 14.99	30.00
23 31 13	13-0207	LF	8" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	61.19 8.43 17.99 25.87 16.87	33.74
23 31 13	13-0208	LF	8" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	67.99 9.37 19.99 28.74 18.74	37.49
23 31 13	13-0209	LF	8" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	74.79 10.31 21.99 31.62 20.62	41.24
23 31 13	13-0210	LF	8" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	81.59 11.25 23.99 34.49 22.49	44.98
23 31 13	13-0211	LF	8" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	88.39 12.18 25.99 37.36 24.37	48.74
23 31 13	13-0212	LF	8" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	95.19 13.12 27.99 40.24 26.24	52.49
23 31 13	13-0213	LF	8" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	101.99 14.06 29.99 43.11 28.12	56.23
23 31 13	13-0214	LF	8" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	108.79 15.00 31.99 45.99 29.99	59.98
23 31 13	13-0215	LF	10" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	67.99 9.37 19.99 28.74 18.74	37.49
23 31 13	13-0216	LF	10" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	74.79 10.31 21.99 31.62 20.62	41.24

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0217	LF	10" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	81.59	44.98
			<i>For 3" WG (Class B), Add</i>	11.25	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.99	
			<i>For 10" WG (Class A), Add</i>	34.49	
			<i>For Work In Restricted Working Space, Add</i>	22.49	
23 31 13	13-0218	LF	10" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	88.39	48.74
			<i>For 3" WG (Class B), Add</i>	12.18	
			<i>For 4" Or 6" WG (Class A), Add</i>	25.99	
			<i>For 10" WG (Class A), Add</i>	37.36	
			<i>For Work In Restricted Working Space, Add</i>	24.37	
23 31 13	13-0219	LF	10" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	95.19	52.49
			<i>For 3" WG (Class B), Add</i>	13.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	27.99	
			<i>For 10" WG (Class A), Add</i>	40.24	
			<i>For Work In Restricted Working Space, Add</i>	26.24	
23 31 13	13-0220	LF	10" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	101.99	56.23
			<i>For 3" WG (Class B), Add</i>	14.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	29.99	
			<i>For 10" WG (Class A), Add</i>	43.11	
			<i>For Work In Restricted Working Space, Add</i>	28.12	
23 31 13	13-0221	LF	10" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	108.79	59.98
			<i>For 3" WG (Class B), Add</i>	15.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	31.99	
			<i>For 10" WG (Class A), Add</i>	45.99	
			<i>For Work In Restricted Working Space, Add</i>	29.99	
23 31 13	13-0222	LF	10" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	115.59	63.73
			<i>For 3" WG (Class B), Add</i>	15.93	
			<i>For 4" Or 6" WG (Class A), Add</i>	33.99	
			<i>For 10" WG (Class A), Add</i>	48.86	
			<i>For Work In Restricted Working Space, Add</i>	31.87	
23 31 13	13-0223	LF	10" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	122.39	67.47
			<i>For 3" WG (Class B), Add</i>	16.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	35.99	
			<i>For 10" WG (Class A), Add</i>	51.74	
			<i>For Work In Restricted Working Space, Add</i>	33.74	
23 31 13	13-0224	LF	10" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	129.19	71.23
			<i>For 3" WG (Class B), Add</i>	17.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	37.99	
			<i>For 10" WG (Class A), Add</i>	54.61	
			<i>For Work In Restricted Working Space, Add</i>	35.62	
23 31 13	13-0225	LF	10" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	135.98	74.98
			<i>For 3" WG (Class B), Add</i>	18.74	
			<i>For 4" Or 6" WG (Class A), Add</i>	39.99	
			<i>For 10" WG (Class A), Add</i>	57.48	
			<i>For Work In Restricted Working Space, Add</i>	37.49	
23 31 13	13-0226	LF	12" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	81.59	44.98
			<i>For 3" WG (Class B), Add</i>	11.25	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.99	
			<i>For 10" WG (Class A), Add</i>	34.49	
			<i>For Work In Restricted Working Space, Add</i>	22.49	
23 31 13	13-0227	LF	12" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	88.39	48.74
			<i>For 3" WG (Class B), Add</i>	12.18	
			<i>For 4" Or 6" WG (Class A), Add</i>	25.99	
			<i>For 10" WG (Class A), Add</i>	37.36	
			<i>For Work In Restricted Working Space, Add</i>	24.37	
23 31 13	13-0228	LF	12" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	95.19	52.49
			<i>For 3" WG (Class B), Add</i>	13.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	27.99	
			<i>For 10" WG (Class A), Add</i>	40.24	
			<i>For Work In Restricted Working Space, Add</i>	26.24	
23 31 13	13-0229	LF	12" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	101.99	56.23
			<i>For 3" WG (Class B), Add</i>	14.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	29.99	
			<i>For 10" WG (Class A), Add</i>	43.11	
			<i>For Work In Restricted Working Space, Add</i>	28.12	
23 31 13	13-0230	LF	12" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	108.79	59.98
			<i>For 3" WG (Class B), Add</i>	15.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	31.99	
			<i>For 10" WG (Class A), Add</i>	45.99	
			<i>For Work In Restricted Working Space, Add</i>	29.99	
23 31 13	13-0231	LF	12" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	115.59	63.73
			<i>For 3" WG (Class B), Add</i>	15.93	
			<i>For 4" Or 6" WG (Class A), Add</i>	33.99	
			<i>For 10" WG (Class A), Add</i>	48.86	
			<i>For Work In Restricted Working Space, Add</i>	31.87	
23 31 13	13-0232	LF	12" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	122.39	67.47
			<i>For 3" WG (Class B), Add</i>	16.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	35.99	
			<i>For 10" WG (Class A), Add</i>	51.74	
			<i>For Work In Restricted Working Space, Add</i>	33.74	
23 31 13	13-0233	LF	12" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	129.19	71.23
			<i>For 3" WG (Class B), Add</i>	17.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	37.99	
			<i>For 10" WG (Class A), Add</i>	54.61	
			<i>For Work In Restricted Working Space, Add</i>	35.62	
23 31 13	13-0234	LF	12" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	135.98	74.98
			<i>For 3" WG (Class B), Add</i>	18.74	
			<i>For 4" Or 6" WG (Class A), Add</i>	39.99	
			<i>For 10" WG (Class A), Add</i>	57.48	
			<i>For Work In Restricted Working Space, Add</i>	37.49	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0235	LF	12" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	142.79 19.68 41.99 60.36 39.36	78.74
23 31 13	13-0236	LF	14" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	95.19 13.12 27.99 40.24 26.24	52.49
23 31 13	13-0237	LF	14" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	101.99 14.06 29.99 43.11 28.12	56.23
23 31 13	13-0238	LF	14" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	108.79 15.00 31.99 45.99 29.99	59.98
23 31 13	13-0239	LF	14" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	115.59 15.93 33.99 48.86 31.87	63.73
23 31 13	13-0240	LF	14" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	122.39 16.87 35.99 51.74 33.74	67.47
23 31 13	13-0241	LF	14" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	129.19 17.81 37.99 54.61 35.62	71.23
23 31 13	13-0242	LF	14" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	135.98 18.74 39.99 57.48 37.49	74.98
23 31 13	13-0243	LF	14" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	142.79 19.68 41.99 60.36 39.36	78.74
23 31 13	13-0244	LF	14" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	149.58 20.62 43.98 63.23 41.24	82.47
23 31 13	13-0245	LF	16" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	108.79 15.00 31.99 45.99 29.99	59.98
23 31 13	13-0246	LF	16" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	115.59 15.93 33.99 48.86 31.87	63.73
23 31 13	13-0247	LF	16" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	122.39 16.87 35.99 51.74 33.74	67.47
23 31 13	13-0248	LF	16" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	129.19 17.81 37.99 54.61 35.62	71.23
23 31 13	13-0249	LF	16" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	135.98 18.74 39.99 57.48 37.49	74.98
23 31 13	13-0250	LF	16" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	142.79 19.68 41.99 60.36 39.36	78.74
23 31 13	13-0251	LF	16" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	149.58 20.62 43.98 63.23 41.24	82.47
23 31 13	13-0252	LF	16" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	156.38 21.56 45.98 66.10 43.11	86.22

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0253	LF	18" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	122.39	67.47
			<i>For 3" WG (Class B), Add</i>	16.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	35.99	
			<i>For 10" WG (Class A), Add</i>	51.74	
			<i>For Work In Restricted Working Space, Add</i>	33.74	
23 31 13	13-0254	LF	18" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	129.19	71.23
			<i>For 3" WG (Class B), Add</i>	17.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	37.99	
			<i>For 10" WG (Class A), Add</i>	54.61	
			<i>For Work In Restricted Working Space, Add</i>	35.62	
23 31 13	13-0255	LF	18" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	135.98	74.98
			<i>For 3" WG (Class B), Add</i>	18.74	
			<i>For 4" Or 6" WG (Class A), Add</i>	39.99	
			<i>For 10" WG (Class A), Add</i>	57.48	
			<i>For Work In Restricted Working Space, Add</i>	37.49	
23 31 13	13-0256	LF	18" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	142.79	78.74
			<i>For 3" WG (Class B), Add</i>	19.68	
			<i>For 4" Or 6" WG (Class A), Add</i>	41.99	
			<i>For 10" WG (Class A), Add</i>	60.36	
			<i>For Work In Restricted Working Space, Add</i>	39.36	
23 31 13	13-0257	LF	18" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	149.58	82.47
			<i>For 3" WG (Class B), Add</i>	20.62	
			<i>For 4" Or 6" WG (Class A), Add</i>	43.98	
			<i>For 10" WG (Class A), Add</i>	63.23	
			<i>For Work In Restricted Working Space, Add</i>	41.24	
23 31 13	13-0258	LF	18" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	156.38	86.22
			<i>For 3" WG (Class B), Add</i>	21.56	
			<i>For 4" Or 6" WG (Class A), Add</i>	45.98	
			<i>For 10" WG (Class A), Add</i>	66.10	
			<i>For Work In Restricted Working Space, Add</i>	43.11	
23 31 13	13-0259	LF	18" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	163.18	89.98
			<i>For 3" WG (Class B), Add</i>	22.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	47.98	
			<i>For 10" WG (Class A), Add</i>	68.98	
			<i>For Work In Restricted Working Space, Add</i>	44.99	
23 31 13	13-0260	LF	20" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	135.98	74.98
			<i>For 3" WG (Class B), Add</i>	18.74	
			<i>For 4" Or 6" WG (Class A), Add</i>	39.99	
			<i>For 10" WG (Class A), Add</i>	57.48	
			<i>For Work In Restricted Working Space, Add</i>	37.49	
23 31 13	13-0261	LF	20" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	142.79	78.74
			<i>For 3" WG (Class B), Add</i>	19.68	
			<i>For 4" Or 6" WG (Class A), Add</i>	41.99	
			<i>For 10" WG (Class A), Add</i>	60.36	
			<i>For Work In Restricted Working Space, Add</i>	39.36	
23 31 13	13-0262	LF	20" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	149.58	82.47
			<i>For 3" WG (Class B), Add</i>	20.62	
			<i>For 4" Or 6" WG (Class A), Add</i>	43.98	
			<i>For 10" WG (Class A), Add</i>	63.23	
			<i>For Work In Restricted Working Space, Add</i>	41.24	
23 31 13	13-0263	LF	20" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	156.38	86.22
			<i>For 3" WG (Class B), Add</i>	21.56	
			<i>For 4" Or 6" WG (Class A), Add</i>	45.98	
			<i>For 10" WG (Class A), Add</i>	66.10	
			<i>For Work In Restricted Working Space, Add</i>	43.11	
23 31 13	13-0264	LF	20" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	163.18	89.98
			<i>For 3" WG (Class B), Add</i>	22.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	47.98	
			<i>For 10" WG (Class A), Add</i>	68.98	
			<i>For Work In Restricted Working Space, Add</i>	44.99	
23 31 13	13-0265	LF	20" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	169.98	93.72
			<i>For 3" WG (Class B), Add</i>	23.43	
			<i>For 4" Or 6" WG (Class A), Add</i>	49.98	
			<i>For 10" WG (Class A), Add</i>	71.85	
			<i>For Work In Restricted Working Space, Add</i>	46.86	
23 31 13	13-0266	LF	22" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	149.58	82.47
			<i>For 3" WG (Class B), Add</i>	20.62	
			<i>For 4" Or 6" WG (Class A), Add</i>	43.98	
			<i>For 10" WG (Class A), Add</i>	63.23	
			<i>For Work In Restricted Working Space, Add</i>	41.24	
23 31 13	13-0267	LF	22" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	156.38	86.22
			<i>For 3" WG (Class B), Add</i>	21.56	
			<i>For 4" Or 6" WG (Class A), Add</i>	45.98	
			<i>For 10" WG (Class A), Add</i>	66.10	
			<i>For Work In Restricted Working Space, Add</i>	43.11	
23 31 13	13-0268	LF	22" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	163.18	89.98
			<i>For 3" WG (Class B), Add</i>	22.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	47.98	
			<i>For 10" WG (Class A), Add</i>	68.98	
			<i>For Work In Restricted Working Space, Add</i>	44.99	
23 31 13	13-0269	LF	22" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	169.98	93.72
			<i>For 3" WG (Class B), Add</i>	23.43	
			<i>For 4" Or 6" WG (Class A), Add</i>	49.98	
			<i>For 10" WG (Class A), Add</i>	71.85	
			<i>For Work In Restricted Working Space, Add</i>	46.86	
23 31 13	13-0270	LF	22" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	176.78	97.47
			<i>For 3" WG (Class B), Add</i>	24.37	
			<i>For 4" Or 6" WG (Class A), Add</i>	51.98	
			<i>For 10" WG (Class A), Add</i>	74.73	
			<i>For Work In Restricted Working Space, Add</i>	48.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0271	LF	24" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork .....	163.18	89.98
			For 3" WG (Class B), Add	22.49	
			For 4" Or 6" WG (Class A), Add	47.98	
			For 10" WG (Class A), Add	68.98	
			For Work In Restricted Working Space, Add	44.99	
23 31 13	13-0272	LF	24" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork .....	169.98	93.72
			For 3" WG (Class B), Add	23.43	
			For 4" Or 6" WG (Class A), Add	49.98	
			For 10" WG (Class A), Add	71.85	
			For Work In Restricted Working Space, Add	46.86	
23 31 13	13-0273	LF	24" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork .....	176.78	97.47
			For 3" WG (Class B), Add	24.37	
			For 4" Or 6" WG (Class A), Add	51.98	
			For 10" WG (Class A), Add	74.73	
			For Work In Restricted Working Space, Add	48.74	
23 31 13	13-0274	LF	24" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork .....	183.58	101.23
			For 3" WG (Class B), Add	25.31	
			For 4" Or 6" WG (Class A), Add	53.98	
			For 10" WG (Class A), Add	77.60	
			For Work In Restricted Working Space, Add	50.61	
23 31 13	13-0275	LF	26" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork .....	176.78	97.47
			For 3" WG (Class B), Add	24.37	
			For 4" Or 6" WG (Class A), Add	51.98	
			For 10" WG (Class A), Add	74.73	
			For Work In Restricted Working Space, Add	48.74	
23 31 13	13-0276	LF	26" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork .....	183.58	101.23
			For 3" WG (Class B), Add	25.31	
			For 4" Or 6" WG (Class A), Add	53.98	
			For 10" WG (Class A), Add	77.60	
			For Work In Restricted Working Space, Add	50.61	
23 31 13	13-0277	LF	26" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork .....	190.37	104.96
			For 3" WG (Class B), Add	26.24	
			For 4" Or 6" WG (Class A), Add	55.98	
			For 10" WG (Class A), Add	80.47	
			For Work In Restricted Working Space, Add	52.48	
23 31 13	13-0278	LF	28" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork .....	190.37	104.96
			For 3" WG (Class B), Add	26.24	
			For 4" Or 6" WG (Class A), Add	55.98	
			For 10" WG (Class A), Add	80.47	
			For Work In Restricted Working Space, Add	52.48	
23 31 13	13-0279	LF	28" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork .....	197.18	108.71
			For 3" WG (Class B), Add	27.18	
			For 4" Or 6" WG (Class A), Add	57.98	
			For 10" WG (Class A), Add	83.35	
			For Work In Restricted Working Space, Add	54.36	
23 31 13	13-0280	LF	30" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork .....	203.99	112.47
			For 3" WG (Class B), Add	28.12	
			For 4" Or 6" WG (Class A), Add	59.98	
			For 10" WG (Class A), Add	86.23	
			For Work In Restricted Working Space, Add	56.24	
<b>23 31 13</b>	<b>13-0281</b>		<b>22 Gauge Galvanized Steel Metal Ductwork</b> <small>(23 31 13 13-0014)</small>		
23 31 13	13-0282	LF	4" x 4", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	27.68	14.99
			For 3" WG (Class B), Add	3.75	
			For 4" Or 6" WG (Class A), Add	8.00	
			For 10" WG (Class A), Add	11.50	
			For Work In Restricted Working Space, Add	7.50	
23 31 13	13-0283	LF	4" x 6", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	34.60	18.74
			For 3" WG (Class B), Add	4.69	
			For 4" Or 6" WG (Class A), Add	10.00	
			For 10" WG (Class A), Add	14.38	
			For Work In Restricted Working Space, Add	9.38	
23 31 13	13-0284	LF	4" x 8", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	41.51	22.49
			For 3" WG (Class B), Add	5.62	
			For 4" Or 6" WG (Class A), Add	12.00	
			For 10" WG (Class A), Add	17.25	
			For Work In Restricted Working Space, Add	11.25	
23 31 13	13-0285	LF	4" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	48.43	26.25
			For 3" WG (Class B), Add	6.56	
			For 4" Or 6" WG (Class A), Add	14.00	
			For 10" WG (Class A), Add	20.12	
			For Work In Restricted Working Space, Add	13.12	
23 31 13	13-0286	LF	4" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	55.34	30.00
			For 3" WG (Class B), Add	7.50	
			For 4" Or 6" WG (Class A), Add	15.99	
			For 10" WG (Class A), Add	22.99	
			For Work In Restricted Working Space, Add	14.99	
23 31 13	13-0287	LF	4" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	62.26	33.74
			For 3" WG (Class B), Add	8.43	
			For 4" Or 6" WG (Class A), Add	17.99	
			For 10" WG (Class A), Add	25.87	
			For Work In Restricted Working Space, Add	16.87	
23 31 13	13-0288	LF	4" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	69.18	37.49
			For 3" WG (Class B), Add	9.37	
			For 4" Or 6" WG (Class A), Add	19.99	
			For 10" WG (Class A), Add	28.74	
			For Work In Restricted Working Space, Add	18.74	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0289	LF	6" x 6", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	.....	41.51	22.49
		<i>For 3" WG (Class B), Add</i>		5.62	
		<i>For 4" Or 6" WG (Class A), Add</i>		12.00	
		<i>For 10" WG (Class A), Add</i>		17.25	
		<i>For Work In Restricted Working Space, Add</i>		11.25	
23 31 13 13-0290	LF	6" x 8", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	.....	48.43	26.25
		<i>For 3" WG (Class B), Add</i>		6.56	
		<i>For 4" Or 6" WG (Class A), Add</i>		14.00	
		<i>For 10" WG (Class A), Add</i>		20.12	
		<i>For Work In Restricted Working Space, Add</i>		13.12	
23 31 13 13-0291	LF	6" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	.....	55.34	30.00
		<i>For 3" WG (Class B), Add</i>		7.50	
		<i>For 4" Or 6" WG (Class A), Add</i>		15.99	
		<i>For 10" WG (Class A), Add</i>		22.99	
		<i>For Work In Restricted Working Space, Add</i>		14.99	
23 31 13 13-0292	LF	6" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	.....	62.26	33.74
		<i>For 3" WG (Class B), Add</i>		8.43	
		<i>For 4" Or 6" WG (Class A), Add</i>		17.99	
		<i>For 10" WG (Class A), Add</i>		25.87	
		<i>For Work In Restricted Working Space, Add</i>		16.87	
23 31 13 13-0293	LF	6" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	.....	69.18	37.49
		<i>For 3" WG (Class B), Add</i>		9.37	
		<i>For 4" Or 6" WG (Class A), Add</i>		19.99	
		<i>For 10" WG (Class A), Add</i>		28.74	
		<i>For Work In Restricted Working Space, Add</i>		18.74	
23 31 13 13-0294	LF	6" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	.....	76.10	41.24
		<i>For 3" WG (Class B), Add</i>		10.31	
		<i>For 4" Or 6" WG (Class A), Add</i>		21.99	
		<i>For 10" WG (Class A), Add</i>		31.62	
		<i>For Work In Restricted Working Space, Add</i>		20.62	
23 31 13 13-0295	LF	8" x 8", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	.....	55.34	30.00
		<i>For 3" WG (Class B), Add</i>		7.50	
		<i>For 4" Or 6" WG (Class A), Add</i>		15.99	
		<i>For 10" WG (Class A), Add</i>		22.99	
		<i>For Work In Restricted Working Space, Add</i>		14.99	
23 31 13 13-0296	LF	8" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	.....	62.26	33.74
		<i>For 3" WG (Class B), Add</i>		8.43	
		<i>For 4" Or 6" WG (Class A), Add</i>		17.99	
		<i>For 10" WG (Class A), Add</i>		25.87	
		<i>For Work In Restricted Working Space, Add</i>		16.87	
23 31 13 13-0297	LF	8" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	.....	69.18	37.49
		<i>For 3" WG (Class B), Add</i>		9.37	
		<i>For 4" Or 6" WG (Class A), Add</i>		19.99	
		<i>For 10" WG (Class A), Add</i>		28.74	
		<i>For Work In Restricted Working Space, Add</i>		18.74	
23 31 13 13-0298	LF	8" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	.....	76.10	41.24
		<i>For 3" WG (Class B), Add</i>		10.31	
		<i>For 4" Or 6" WG (Class A), Add</i>		21.99	
		<i>For 10" WG (Class A), Add</i>		31.62	
		<i>For Work In Restricted Working Space, Add</i>		20.62	
23 31 13 13-0299	LF	8" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	.....	83.03	44.98
		<i>For 3" WG (Class B), Add</i>		11.25	
		<i>For 4" Or 6" WG (Class A), Add</i>		23.99	
		<i>For 10" WG (Class A), Add</i>		34.49	
		<i>For Work In Restricted Working Space, Add</i>		22.49	
23 31 13 13-0300	LF	8" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	.....	89.94	48.74
		<i>For 3" WG (Class B), Add</i>		12.18	
		<i>For 4" Or 6" WG (Class A), Add</i>		25.99	
		<i>For 10" WG (Class A), Add</i>		37.36	
		<i>For Work In Restricted Working Space, Add</i>		24.37	
23 31 13 13-0301	LF	8" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	.....	96.86	52.49
		<i>For 3" WG (Class B), Add</i>		13.12	
		<i>For 4" Or 6" WG (Class A), Add</i>		27.99	
		<i>For 10" WG (Class A), Add</i>		40.24	
		<i>For Work In Restricted Working Space, Add</i>		26.24	
23 31 13 13-0302	LF	8" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	.....	103.78	56.23
		<i>For 3" WG (Class B), Add</i>		14.06	
		<i>For 4" Or 6" WG (Class A), Add</i>		29.99	
		<i>For 10" WG (Class A), Add</i>		43.11	
		<i>For Work In Restricted Working Space, Add</i>		28.12	
23 31 13 13-0303	LF	8" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	.....	110.70	59.98
		<i>For 3" WG (Class B), Add</i>		15.00	
		<i>For 4" Or 6" WG (Class A), Add</i>		31.99	
		<i>For 10" WG (Class A), Add</i>		45.99	
		<i>For Work In Restricted Working Space, Add</i>		29.99	
23 31 13 13-0304	LF	10" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	.....	69.18	37.49
		<i>For 3" WG (Class B), Add</i>		9.37	
		<i>For 4" Or 6" WG (Class A), Add</i>		19.99	
		<i>For 10" WG (Class A), Add</i>		28.74	
		<i>For Work In Restricted Working Space, Add</i>		18.74	
23 31 13 13-0305	LF	10" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	.....	76.10	41.24
		<i>For 3" WG (Class B), Add</i>		10.31	
		<i>For 4" Or 6" WG (Class A), Add</i>		21.99	
		<i>For 10" WG (Class A), Add</i>		31.62	
		<i>For Work In Restricted Working Space, Add</i>		20.62	
23 31 13 13-0306	LF	10" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	.....	83.03	44.98
		<i>For 3" WG (Class B), Add</i>		11.25	
		<i>For 4" Or 6" WG (Class A), Add</i>		23.99	
		<i>For 10" WG (Class A), Add</i>		34.49	
		<i>For Work In Restricted Working Space, Add</i>		22.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0307	LF	10" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	89.94	48.74
			For 3" WG (Class B), Add	12.18	
			For 4" Or 6" WG (Class A), Add	25.99	
			For 10" WG (Class A), Add	37.36	
			For Work In Restricted Working Space, Add	24.37	
23 31 13	13-0308	LF	10" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	96.86	52.49
			For 3" WG (Class B), Add	13.12	
			For 4" Or 6" WG (Class A), Add	27.99	
			For 10" WG (Class A), Add	40.24	
			For Work In Restricted Working Space, Add	26.24	
23 31 13	13-0309	LF	10" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	103.78	56.23
			For 3" WG (Class B), Add	14.06	
			For 4" Or 6" WG (Class A), Add	29.99	
			For 10" WG (Class A), Add	43.11	
			For Work In Restricted Working Space, Add	28.12	
23 31 13	13-0310	LF	10" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	110.70	59.98
			For 3" WG (Class B), Add	15.00	
			For 4" Or 6" WG (Class A), Add	31.99	
			For 10" WG (Class A), Add	45.99	
			For Work In Restricted Working Space, Add	29.99	
23 31 13	13-0311	LF	10" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	117.62	63.73
			For 3" WG (Class B), Add	15.93	
			For 4" Or 6" WG (Class A), Add	33.99	
			For 10" WG (Class A), Add	48.86	
			For Work In Restricted Working Space, Add	31.87	
23 31 13	13-0312	LF	10" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	124.54	67.47
			For 3" WG (Class B), Add	16.87	
			For 4" Or 6" WG (Class A), Add	35.99	
			For 10" WG (Class A), Add	51.74	
			For Work In Restricted Working Space, Add	33.74	
23 31 13	13-0313	LF	10" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	131.46	71.23
			For 3" WG (Class B), Add	17.81	
			For 4" Or 6" WG (Class A), Add	37.99	
			For 10" WG (Class A), Add	54.61	
			For Work In Restricted Working Space, Add	35.62	
23 31 13	13-0314	LF	10" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	138.37	74.98
			For 3" WG (Class B), Add	18.74	
			For 4" Or 6" WG (Class A), Add	39.99	
			For 10" WG (Class A), Add	57.48	
			For Work In Restricted Working Space, Add	37.49	
23 31 13	13-0315	LF	10" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	145.29	78.74
			For 3" WG (Class B), Add	19.68	
			For 4" Or 6" WG (Class A), Add	41.99	
			For 10" WG (Class A), Add	60.36	
			For Work In Restricted Working Space, Add	39.36	
23 31 13	13-0316	LF	12" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	83.03	44.98
			For 3" WG (Class B), Add	11.25	
			For 4" Or 6" WG (Class A), Add	23.99	
			For 10" WG (Class A), Add	34.49	
			For Work In Restricted Working Space, Add	22.49	
23 31 13	13-0317	LF	12" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	89.94	48.74
			For 3" WG (Class B), Add	12.18	
			For 4" Or 6" WG (Class A), Add	25.99	
			For 10" WG (Class A), Add	37.36	
			For Work In Restricted Working Space, Add	24.37	
23 31 13	13-0318	LF	12" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	96.86	52.49
			For 3" WG (Class B), Add	13.12	
			For 4" Or 6" WG (Class A), Add	27.99	
			For 10" WG (Class A), Add	40.24	
			For Work In Restricted Working Space, Add	26.24	
23 31 13	13-0319	LF	12" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	103.78	56.23
			For 3" WG (Class B), Add	14.06	
			For 4" Or 6" WG (Class A), Add	29.99	
			For 10" WG (Class A), Add	43.11	
			For Work In Restricted Working Space, Add	28.12	
23 31 13	13-0320	LF	12" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	110.70	59.98
			For 3" WG (Class B), Add	15.00	
			For 4" Or 6" WG (Class A), Add	31.99	
			For 10" WG (Class A), Add	45.99	
			For Work In Restricted Working Space, Add	29.99	
23 31 13	13-0321	LF	12" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	117.62	63.73
			For 3" WG (Class B), Add	15.93	
			For 4" Or 6" WG (Class A), Add	33.99	
			For 10" WG (Class A), Add	48.86	
			For Work In Restricted Working Space, Add	31.87	
23 31 13	13-0322	LF	12" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	124.54	67.47
			For 3" WG (Class B), Add	16.87	
			For 4" Or 6" WG (Class A), Add	35.99	
			For 10" WG (Class A), Add	51.74	
			For Work In Restricted Working Space, Add	33.74	
23 31 13	13-0323	LF	12" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	131.46	71.23
			For 3" WG (Class B), Add	17.81	
			For 4" Or 6" WG (Class A), Add	37.99	
			For 10" WG (Class A), Add	54.61	
			For Work In Restricted Working Space, Add	35.62	
23 31 13	13-0324	LF	12" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	138.37	74.98
			For 3" WG (Class B), Add	18.74	
			For 4" Or 6" WG (Class A), Add	39.99	
			For 10" WG (Class A), Add	57.48	
			For Work In Restricted Working Space, Add	37.49	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0325	LF		12" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	145.29	78.74
			For 3" WG (Class B), Add	19.68	
			For 4" Or 6" WG (Class A), Add	41.99	
			For 10" WG (Class A), Add	60.36	
			For Work In Restricted Working Space, Add	39.36	
23 31 13 13-0326	LF		12" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	152.20	82.47
			For 3" WG (Class B), Add	20.62	
			For 4" Or 6" WG (Class A), Add	43.98	
			For 10" WG (Class A), Add	63.23	
			For Work In Restricted Working Space, Add	41.24	
23 31 13 13-0327	LF		12" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	159.12	86.22
			For 3" WG (Class B), Add	21.56	
			For 4" Or 6" WG (Class A), Add	45.98	
			For 10" WG (Class A), Add	66.10	
			For Work In Restricted Working Space, Add	43.11	
23 31 13 13-0328	LF		12" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	166.04	89.98
			For 3" WG (Class B), Add	22.49	
			For 4" Or 6" WG (Class A), Add	47.98	
			For 10" WG (Class A), Add	68.98	
			For Work In Restricted Working Space, Add	44.99	
23 31 13 13-0329	LF		14" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	96.86	52.49
			For 3" WG (Class B), Add	13.12	
			For 4" Or 6" WG (Class A), Add	27.99	
			For 10" WG (Class A), Add	40.24	
			For Work In Restricted Working Space, Add	26.24	
23 31 13 13-0330	LF		14" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	103.78	56.23
			For 3" WG (Class B), Add	14.06	
			For 4" Or 6" WG (Class A), Add	29.99	
			For 10" WG (Class A), Add	43.11	
			For Work In Restricted Working Space, Add	28.12	
23 31 13 13-0331	LF		14" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	110.70	59.98
			For 3" WG (Class B), Add	15.00	
			For 4" Or 6" WG (Class A), Add	31.99	
			For 10" WG (Class A), Add	45.99	
			For Work In Restricted Working Space, Add	29.99	
23 31 13 13-0332	LF		14" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	117.62	63.73
			For 3" WG (Class B), Add	15.93	
			For 4" Or 6" WG (Class A), Add	33.99	
			For 10" WG (Class A), Add	48.86	
			For Work In Restricted Working Space, Add	31.87	
23 31 13 13-0333	LF		14" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	124.54	67.47
			For 3" WG (Class B), Add	16.87	
			For 4" Or 6" WG (Class A), Add	35.99	
			For 10" WG (Class A), Add	51.74	
			For Work In Restricted Working Space, Add	33.74	
23 31 13 13-0334	LF		14" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	131.46	71.23
			For 3" WG (Class B), Add	17.81	
			For 4" Or 6" WG (Class A), Add	37.99	
			For 10" WG (Class A), Add	54.61	
			For Work In Restricted Working Space, Add	35.62	
23 31 13 13-0335	LF		14" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	138.37	74.98
			For 3" WG (Class B), Add	18.74	
			For 4" Or 6" WG (Class A), Add	39.99	
			For 10" WG (Class A), Add	57.48	
			For Work In Restricted Working Space, Add	37.49	
23 31 13 13-0336	LF		14" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	145.29	78.74
			For 3" WG (Class B), Add	19.68	
			For 4" Or 6" WG (Class A), Add	41.99	
			For 10" WG (Class A), Add	60.36	
			For Work In Restricted Working Space, Add	39.36	
23 31 13 13-0337	LF		14" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	152.20	82.47
			For 3" WG (Class B), Add	20.62	
			For 4" Or 6" WG (Class A), Add	43.98	
			For 10" WG (Class A), Add	63.23	
			For Work In Restricted Working Space, Add	41.24	
23 31 13 13-0338	LF		14" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	159.12	86.22
			For 3" WG (Class B), Add	21.56	
			For 4" Or 6" WG (Class A), Add	45.98	
			For 10" WG (Class A), Add	66.10	
			For Work In Restricted Working Space, Add	43.11	
23 31 13 13-0339	LF		14" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	166.04	89.98
			For 3" WG (Class B), Add	22.49	
			For 4" Or 6" WG (Class A), Add	47.98	
			For 10" WG (Class A), Add	68.98	
			For Work In Restricted Working Space, Add	44.99	
23 31 13 13-0340	LF		14" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	172.96	93.72
			For 3" WG (Class B), Add	23.43	
			For 4" Or 6" WG (Class A), Add	49.98	
			For 10" WG (Class A), Add	71.85	
			For Work In Restricted Working Space, Add	46.86	
23 31 13 13-0341	LF		16" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	110.70	59.98
			For 3" WG (Class B), Add	15.00	
			For 4" Or 6" WG (Class A), Add	31.99	
			For 10" WG (Class A), Add	45.99	
			For Work In Restricted Working Space, Add	29.99	
23 31 13 13-0342	LF		16" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	117.62	63.73
			For 3" WG (Class B), Add	15.93	
			For 4" Or 6" WG (Class A), Add	33.99	
			For 10" WG (Class A), Add	48.86	
			For Work In Restricted Working Space, Add	31.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0343	LF	16" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	124.54 16.87 35.99 51.74 33.74	67.47
23 31 13	13-0344	LF	16" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	131.46 17.81 37.99 54.61 35.62	71.23
23 31 13	13-0345	LF	16" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	138.37 18.74 39.99 57.48 37.49	74.98
23 31 13	13-0346	LF	16" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	145.29 19.68 41.99 60.36 39.36	78.74
23 31 13	13-0347	LF	16" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	152.20 20.62 43.98 63.23 41.24	82.47
23 31 13	13-0348	LF	16" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	159.12 21.56 45.98 66.10 43.11	86.22
23 31 13	13-0349	LF	16" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	166.04 22.49 47.98 68.98 44.99	89.98
23 31 13	13-0350	LF	16" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	172.96 23.43 49.98 71.85 46.86	93.72
23 31 13	13-0351	LF	16" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	179.88 24.37 51.98 74.73 48.74	97.47
23 31 13	13-0352	LF	16" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	186.80 25.31 53.98 77.60 50.61	101.23
23 31 13	13-0353	LF	16" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	193.71 26.24 55.98 80.47 52.48	104.96
23 31 13	13-0354	LF	16" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	200.63 27.18 57.98 83.35 54.36	108.71
23 31 13	13-0355	LF	16" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	207.56 28.12 59.98 86.23 56.24	112.47
23 31 13	13-0356	LF	18" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	124.54 16.87 35.99 51.74 33.74	67.47
23 31 13	13-0357	LF	18" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	131.46 17.81 37.99 54.61 35.62	71.23
23 31 13	13-0358	LF	18" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	138.37 18.74 39.99 57.48 37.49	74.98
23 31 13	13-0359	LF	18" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	145.29 19.68 41.99 60.36 39.36	78.74
23 31 13	13-0360	LF	18" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	152.20 20.62 43.98 63.23 41.24	82.47

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0361	LF	18" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	159.12	86.22
			For 3" WG (Class B), Add	21.56	
			For 4" Or 6" WG (Class A), Add	45.98	
			For 10" WG (Class A), Add	66.10	
			For Work In Restricted Working Space, Add	43.11	
23 31 13	13-0362	LF	18" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	166.04	89.98
			For 3" WG (Class B), Add	22.49	
			For 4" Or 6" WG (Class A), Add	47.98	
			For 10" WG (Class A), Add	68.98	
			For Work In Restricted Working Space, Add	44.99	
23 31 13	13-0363	LF	18" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	172.96	93.72
			For 3" WG (Class B), Add	23.43	
			For 4" Or 6" WG (Class A), Add	49.98	
			For 10" WG (Class A), Add	71.85	
			For Work In Restricted Working Space, Add	46.86	
23 31 13	13-0364	LF	18" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	179.88	97.47
			For 3" WG (Class B), Add	24.37	
			For 4" Or 6" WG (Class A), Add	51.98	
			For 10" WG (Class A), Add	74.73	
			For Work In Restricted Working Space, Add	48.74	
23 31 13	13-0365	LF	18" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	186.80	101.23
			For 3" WG (Class B), Add	25.31	
			For 4" Or 6" WG (Class A), Add	53.98	
			For 10" WG (Class A), Add	77.60	
			For Work In Restricted Working Space, Add	50.61	
23 31 13	13-0366	LF	18" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	193.71	104.96
			For 3" WG (Class B), Add	26.24	
			For 4" Or 6" WG (Class A), Add	55.98	
			For 10" WG (Class A), Add	80.47	
			For Work In Restricted Working Space, Add	52.48	
23 31 13	13-0367	LF	18" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	200.63	108.71
			For 3" WG (Class B), Add	27.18	
			For 4" Or 6" WG (Class A), Add	57.98	
			For 10" WG (Class A), Add	83.35	
			For Work In Restricted Working Space, Add	54.36	
23 31 13	13-0368	LF	18" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	207.56	112.47
			For 3" WG (Class B), Add	28.12	
			For 4" Or 6" WG (Class A), Add	59.98	
			For 10" WG (Class A), Add	86.23	
			For Work In Restricted Working Space, Add	56.24	
23 31 13	13-0369	LF	18" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	214.47	116.21
			For 3" WG (Class B), Add	29.05	
			For 4" Or 6" WG (Class A), Add	61.98	
			For 10" WG (Class A), Add	89.10	
			For Work In Restricted Working Space, Add	58.11	
23 31 13	13-0370	LF	18" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	221.39	119.96
			For 3" WG (Class B), Add	29.99	
			For 4" Or 6" WG (Class A), Add	63.98	
			For 10" WG (Class A), Add	91.97	
			For Work In Restricted Working Space, Add	59.98	
23 31 13	13-0371	LF	20" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	138.37	74.98
			For 3" WG (Class B), Add	18.74	
			For 4" Or 6" WG (Class A), Add	39.99	
			For 10" WG (Class A), Add	57.48	
			For Work In Restricted Working Space, Add	37.49	
23 31 13	13-0372	LF	20" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	145.29	78.74
			For 3" WG (Class B), Add	19.68	
			For 4" Or 6" WG (Class A), Add	41.99	
			For 10" WG (Class A), Add	60.36	
			For Work In Restricted Working Space, Add	39.36	
23 31 13	13-0373	LF	20" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	152.20	82.47
			For 3" WG (Class B), Add	20.62	
			For 4" Or 6" WG (Class A), Add	43.98	
			For 10" WG (Class A), Add	63.23	
			For Work In Restricted Working Space, Add	41.24	
23 31 13	13-0374	LF	20" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	159.12	86.22
			For 3" WG (Class B), Add	21.56	
			For 4" Or 6" WG (Class A), Add	45.98	
			For 10" WG (Class A), Add	66.10	
			For Work In Restricted Working Space, Add	43.11	
23 31 13	13-0375	LF	20" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	166.04	89.98
			For 3" WG (Class B), Add	22.49	
			For 4" Or 6" WG (Class A), Add	47.98	
			For 10" WG (Class A), Add	68.98	
			For Work In Restricted Working Space, Add	44.99	
23 31 13	13-0376	LF	20" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	172.96	93.72
			For 3" WG (Class B), Add	23.43	
			For 4" Or 6" WG (Class A), Add	49.98	
			For 10" WG (Class A), Add	71.85	
			For Work In Restricted Working Space, Add	46.86	
23 31 13	13-0377	LF	20" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	179.88	97.47
			For 3" WG (Class B), Add	24.37	
			For 4" Or 6" WG (Class A), Add	51.98	
			For 10" WG (Class A), Add	74.73	
			For Work In Restricted Working Space, Add	48.74	
23 31 13	13-0378	LF	20" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	186.80	101.23
			For 3" WG (Class B), Add	25.31	
			For 4" Or 6" WG (Class A), Add	53.98	
			For 10" WG (Class A), Add	77.60	
			For Work In Restricted Working Space, Add	50.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0379	LF	20" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	193.71	104.96
			For 3" WG (Class B), Add	26.24	
			For 4" Or 6" WG (Class A), Add	55.98	
			For 10" WG (Class A), Add	80.47	
			For Work In Restricted Working Space, Add	52.48	
23 31 13	13-0380	LF	20" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	200.63	108.71
			For 3" WG (Class B), Add	27.18	
			For 4" Or 6" WG (Class A), Add	57.98	
			For 10" WG (Class A), Add	83.35	
			For Work In Restricted Working Space, Add	54.36	
23 31 13	13-0381	LF	20" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	207.56	112.47
			For 3" WG (Class B), Add	28.12	
			For 4" Or 6" WG (Class A), Add	59.98	
			For 10" WG (Class A), Add	86.23	
			For Work In Restricted Working Space, Add	56.24	
23 31 13	13-0382	LF	20" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	214.47	116.21
			For 3" WG (Class B), Add	29.05	
			For 4" Or 6" WG (Class A), Add	61.98	
			For 10" WG (Class A), Add	89.10	
			For Work In Restricted Working Space, Add	58.11	
23 31 13	13-0383	LF	20" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	221.39	119.96
			For 3" WG (Class B), Add	29.99	
			For 4" Or 6" WG (Class A), Add	63.98	
			For 10" WG (Class A), Add	91.97	
			For Work In Restricted Working Space, Add	59.98	
23 31 13	13-0384	LF	20" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	228.31	123.72
			For 3" WG (Class B), Add	30.93	
			For 4" Or 6" WG (Class A), Add	65.98	
			For 10" WG (Class A), Add	94.85	
			For Work In Restricted Working Space, Add	61.86	
23 31 13	13-0385	LF	20" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	235.24	127.46
			For 3" WG (Class B), Add	31.87	
			For 4" Or 6" WG (Class A), Add	67.98	
			For 10" WG (Class A), Add	97.72	
			For Work In Restricted Working Space, Add	63.73	
23 31 13	13-0386	LF	22" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	152.20	82.47
			For 3" WG (Class B), Add	20.62	
			For 4" Or 6" WG (Class A), Add	43.98	
			For 10" WG (Class A), Add	63.23	
			For Work In Restricted Working Space, Add	41.24	
23 31 13	13-0387	LF	22" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	159.12	86.22
			For 3" WG (Class B), Add	21.56	
			For 4" Or 6" WG (Class A), Add	45.98	
			For 10" WG (Class A), Add	66.10	
			For Work In Restricted Working Space, Add	43.11	
23 31 13	13-0388	LF	22" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	166.04	89.98
			For 3" WG (Class B), Add	22.49	
			For 4" Or 6" WG (Class A), Add	47.98	
			For 10" WG (Class A), Add	68.98	
			For Work In Restricted Working Space, Add	44.99	
23 31 13	13-0389	LF	22" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	172.96	93.72
			For 3" WG (Class B), Add	23.43	
			For 4" Or 6" WG (Class A), Add	49.98	
			For 10" WG (Class A), Add	71.85	
			For Work In Restricted Working Space, Add	46.86	
23 31 13	13-0390	LF	22" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	179.88	97.47
			For 3" WG (Class B), Add	24.37	
			For 4" Or 6" WG (Class A), Add	51.98	
			For 10" WG (Class A), Add	74.73	
			For Work In Restricted Working Space, Add	48.74	
23 31 13	13-0391	LF	22" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	186.80	101.23
			For 3" WG (Class B), Add	25.31	
			For 4" Or 6" WG (Class A), Add	53.98	
			For 10" WG (Class A), Add	77.60	
			For Work In Restricted Working Space, Add	50.61	
23 31 13	13-0392	LF	22" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	193.71	104.96
			For 3" WG (Class B), Add	26.24	
			For 4" Or 6" WG (Class A), Add	55.98	
			For 10" WG (Class A), Add	80.47	
			For Work In Restricted Working Space, Add	52.48	
23 31 13	13-0393	LF	22" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	200.63	108.71
			For 3" WG (Class B), Add	27.18	
			For 4" Or 6" WG (Class A), Add	57.98	
			For 10" WG (Class A), Add	83.35	
			For Work In Restricted Working Space, Add	54.36	
23 31 13	13-0394	LF	22" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	207.56	112.47
			For 3" WG (Class B), Add	28.12	
			For 4" Or 6" WG (Class A), Add	59.98	
			For 10" WG (Class A), Add	86.23	
			For Work In Restricted Working Space, Add	56.24	
23 31 13	13-0395	LF	22" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	214.47	116.21
			For 3" WG (Class B), Add	29.05	
			For 4" Or 6" WG (Class A), Add	61.98	
			For 10" WG (Class A), Add	89.10	
			For Work In Restricted Working Space, Add	58.11	
23 31 13	13-0396	LF	22" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	221.39	119.96
			For 3" WG (Class B), Add	29.99	
			For 4" Or 6" WG (Class A), Add	63.98	
			For 10" WG (Class A), Add	91.97	
			For Work In Restricted Working Space, Add	59.98	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0397	LF		22" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	228.31	123.72
			<i>For 3" WG (Class B), Add</i>	30.93	
			<i>For 4" Or 6" WG (Class A), Add</i>	65.98	
			<i>For 10" WG (Class A), Add</i>	94.85	
			<i>For Work In Restricted Working Space, Add</i>	61.86	
23 31 13 13-0398	LF		22" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	235.24	127.46
			<i>For 3" WG (Class B), Add</i>	31.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	67.98	
			<i>For 10" WG (Class A), Add</i>	97.72	
			<i>For Work In Restricted Working Space, Add</i>	63.73	
23 31 13 13-0399	LF		22" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	242.15	131.21
			<i>For 3" WG (Class B), Add</i>	32.80	
			<i>For 4" Or 6" WG (Class A), Add</i>	69.98	
			<i>For 10" WG (Class A), Add</i>	100.59	
			<i>For Work In Restricted Working Space, Add</i>	65.60	
23 31 13 13-0400	LF		24" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	166.04	89.98
			<i>For 3" WG (Class B), Add</i>	22.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	47.98	
			<i>For 10" WG (Class A), Add</i>	68.98	
			<i>For Work In Restricted Working Space, Add</i>	44.99	
23 31 13 13-0401	LF		24" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	172.96	93.72
			<i>For 3" WG (Class B), Add</i>	23.43	
			<i>For 4" Or 6" WG (Class A), Add</i>	49.98	
			<i>For 10" WG (Class A), Add</i>	71.85	
			<i>For Work In Restricted Working Space, Add</i>	46.86	
23 31 13 13-0402	LF		24" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	179.88	97.47
			<i>For 3" WG (Class B), Add</i>	24.37	
			<i>For 4" Or 6" WG (Class A), Add</i>	51.98	
			<i>For 10" WG (Class A), Add</i>	74.73	
			<i>For Work In Restricted Working Space, Add</i>	48.74	
23 31 13 13-0403	LF		24" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	186.80	101.23
			<i>For 3" WG (Class B), Add</i>	25.31	
			<i>For 4" Or 6" WG (Class A), Add</i>	53.98	
			<i>For 10" WG (Class A), Add</i>	77.60	
			<i>For Work In Restricted Working Space, Add</i>	50.61	
23 31 13 13-0404	LF		24" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	193.71	104.96
			<i>For 3" WG (Class B), Add</i>	26.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.98	
			<i>For 10" WG (Class A), Add</i>	80.47	
			<i>For Work In Restricted Working Space, Add</i>	52.48	
23 31 13 13-0405	LF		24" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	200.63	108.71
			<i>For 3" WG (Class B), Add</i>	27.18	
			<i>For 4" Or 6" WG (Class A), Add</i>	57.98	
			<i>For 10" WG (Class A), Add</i>	83.35	
			<i>For Work In Restricted Working Space, Add</i>	54.36	
23 31 13 13-0406	LF		24" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	207.56	112.47
			<i>For 3" WG (Class B), Add</i>	28.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	59.98	
			<i>For 10" WG (Class A), Add</i>	86.23	
			<i>For Work In Restricted Working Space, Add</i>	56.24	
23 31 13 13-0407	LF		24" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	214.47	116.21
			<i>For 3" WG (Class B), Add</i>	29.05	
			<i>For 4" Or 6" WG (Class A), Add</i>	61.98	
			<i>For 10" WG (Class A), Add</i>	89.10	
			<i>For Work In Restricted Working Space, Add</i>	58.11	
23 31 13 13-0408	LF		24" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	221.39	119.96
			<i>For 3" WG (Class B), Add</i>	29.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	63.98	
			<i>For 10" WG (Class A), Add</i>	91.97	
			<i>For Work In Restricted Working Space, Add</i>	59.98	
23 31 13 13-0409	LF		24" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	228.31	123.72
			<i>For 3" WG (Class B), Add</i>	30.93	
			<i>For 4" Or 6" WG (Class A), Add</i>	65.98	
			<i>For 10" WG (Class A), Add</i>	94.85	
			<i>For Work In Restricted Working Space, Add</i>	61.86	
23 31 13 13-0410	LF		24" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	235.24	127.46
			<i>For 3" WG (Class B), Add</i>	31.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	67.98	
			<i>For 10" WG (Class A), Add</i>	97.72	
			<i>For Work In Restricted Working Space, Add</i>	63.73	
23 31 13 13-0411	LF		24" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	242.15	131.21
			<i>For 3" WG (Class B), Add</i>	32.80	
			<i>For 4" Or 6" WG (Class A), Add</i>	69.98	
			<i>For 10" WG (Class A), Add</i>	100.59	
			<i>For Work In Restricted Working Space, Add</i>	65.60	
23 31 13 13-0412	LF		24" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	249.06	134.96
			<i>For 3" WG (Class B), Add</i>	33.74	
			<i>For 4" Or 6" WG (Class A), Add</i>	71.97	
			<i>For 10" WG (Class A), Add</i>	103.46	
			<i>For Work In Restricted Working Space, Add</i>	67.48	
23 31 13 13-0413	LF		26" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	179.88	97.47
			<i>For 3" WG (Class B), Add</i>	24.37	
			<i>For 4" Or 6" WG (Class A), Add</i>	51.98	
			<i>For 10" WG (Class A), Add</i>	74.73	
			<i>For Work In Restricted Working Space, Add</i>	48.74	
23 31 13 13-0414	LF		26" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	186.80	101.23
			<i>For 3" WG (Class B), Add</i>	25.31	
			<i>For 4" Or 6" WG (Class A), Add</i>	53.98	
			<i>For 10" WG (Class A), Add</i>	77.60	
			<i>For Work In Restricted Working Space, Add</i>	50.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0415	LF	26" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	193.71	104.96
			For 3" WG (Class B), Add	26.24	
			For 4" Or 6" WG (Class A), Add	55.98	
			For 10" WG (Class A), Add	80.47	
			For Work In Restricted Working Space, Add	52.48	
23 31 13	13-0416	LF	26" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	200.63	108.71
			For 3" WG (Class B), Add	27.18	
			For 4" Or 6" WG (Class A), Add	57.98	
			For 10" WG (Class A), Add	83.35	
			For Work In Restricted Working Space, Add	54.36	
23 31 13	13-0417	LF	26" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	207.56	112.47
			For 3" WG (Class B), Add	28.12	
			For 4" Or 6" WG (Class A), Add	59.98	
			For 10" WG (Class A), Add	86.23	
			For Work In Restricted Working Space, Add	56.24	
23 31 13	13-0418	LF	26" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	214.47	116.21
			For 3" WG (Class B), Add	29.05	
			For 4" Or 6" WG (Class A), Add	61.98	
			For 10" WG (Class A), Add	89.10	
			For Work In Restricted Working Space, Add	58.11	
23 31 13	13-0419	LF	26" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	221.39	119.96
			For 3" WG (Class B), Add	29.99	
			For 4" Or 6" WG (Class A), Add	63.98	
			For 10" WG (Class A), Add	91.97	
			For Work In Restricted Working Space, Add	59.98	
23 31 13	13-0420	LF	26" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	228.31	123.72
			For 3" WG (Class B), Add	30.93	
			For 4" Or 6" WG (Class A), Add	65.98	
			For 10" WG (Class A), Add	94.85	
			For Work In Restricted Working Space, Add	61.86	
23 31 13	13-0421	LF	26" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	235.24	127.46
			For 3" WG (Class B), Add	31.87	
			For 4" Or 6" WG (Class A), Add	67.98	
			For 10" WG (Class A), Add	97.72	
			For Work In Restricted Working Space, Add	63.73	
23 31 13	13-0422	LF	26" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	242.15	131.21
			For 3" WG (Class B), Add	32.80	
			For 4" Or 6" WG (Class A), Add	69.98	
			For 10" WG (Class A), Add	100.59	
			For Work In Restricted Working Space, Add	65.60	
23 31 13	13-0423	LF	26" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	249.06	134.96
			For 3" WG (Class B), Add	33.74	
			For 4" Or 6" WG (Class A), Add	71.97	
			For 10" WG (Class A), Add	103.46	
			For Work In Restricted Working Space, Add	67.48	
23 31 13	13-0424	LF	26" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	255.99	138.71
			For 3" WG (Class B), Add	34.68	
			For 4" Or 6" WG (Class A), Add	73.98	
			For 10" WG (Class A), Add	106.34	
			For Work In Restricted Working Space, Add	69.35	
23 31 13	13-0425	LF	28" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	193.71	104.96
			For 3" WG (Class B), Add	26.24	
			For 4" Or 6" WG (Class A), Add	55.98	
			For 10" WG (Class A), Add	80.47	
			For Work In Restricted Working Space, Add	52.48	
23 31 13	13-0426	LF	28" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	200.63	108.71
			For 3" WG (Class B), Add	27.18	
			For 4" Or 6" WG (Class A), Add	57.98	
			For 10" WG (Class A), Add	83.35	
			For Work In Restricted Working Space, Add	54.36	
23 31 13	13-0427	LF	28" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	207.56	112.47
			For 3" WG (Class B), Add	28.12	
			For 4" Or 6" WG (Class A), Add	59.98	
			For 10" WG (Class A), Add	86.23	
			For Work In Restricted Working Space, Add	56.24	
23 31 13	13-0428	LF	28" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	214.47	116.21
			For 3" WG (Class B), Add	29.05	
			For 4" Or 6" WG (Class A), Add	61.98	
			For 10" WG (Class A), Add	89.10	
			For Work In Restricted Working Space, Add	58.11	
23 31 13	13-0429	LF	28" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	221.39	119.96
			For 3" WG (Class B), Add	29.99	
			For 4" Or 6" WG (Class A), Add	63.98	
			For 10" WG (Class A), Add	91.97	
			For Work In Restricted Working Space, Add	59.98	
23 31 13	13-0430	LF	28" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	228.31	123.72
			For 3" WG (Class B), Add	30.93	
			For 4" Or 6" WG (Class A), Add	65.98	
			For 10" WG (Class A), Add	94.85	
			For Work In Restricted Working Space, Add	61.86	
23 31 13	13-0431	LF	28" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	235.24	127.46
			For 3" WG (Class B), Add	31.87	
			For 4" Or 6" WG (Class A), Add	67.98	
			For 10" WG (Class A), Add	97.72	
			For Work In Restricted Working Space, Add	63.73	
23 31 13	13-0432	LF	28" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	242.15	131.21
			For 3" WG (Class B), Add	32.80	
			For 4" Or 6" WG (Class A), Add	69.98	
			For 10" WG (Class A), Add	100.59	
			For Work In Restricted Working Space, Add	65.60	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0433	LF		28" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	249.06	134.96
			For 3" WG (Class B), Add	33.74	
			For 4" Or 6" WG (Class A), Add	71.97	
			For 10" WG (Class A), Add	103.46	
			For Work In Restricted Working Space, Add	67.48	
23 31 13 13-0434	LF		28" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	255.99	138.71
			For 3" WG (Class B), Add	34.68	
			For 4" Or 6" WG (Class A), Add	73.98	
			For 10" WG (Class A), Add	106.34	
			For Work In Restricted Working Space, Add	69.35	
23 31 13 13-0435	LF		28" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	262.91	142.46
			For 3" WG (Class B), Add	35.61	
			For 4" Or 6" WG (Class A), Add	75.98	
			For 10" WG (Class A), Add	109.22	
			For Work In Restricted Working Space, Add	71.23	
23 31 13 13-0436	LF		30" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	207.56	112.47
			For 3" WG (Class B), Add	28.12	
			For 4" Or 6" WG (Class A), Add	59.98	
			For 10" WG (Class A), Add	86.23	
			For Work In Restricted Working Space, Add	56.24	
23 31 13 13-0437	LF		30" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	214.47	116.21
			For 3" WG (Class B), Add	29.05	
			For 4" Or 6" WG (Class A), Add	61.98	
			For 10" WG (Class A), Add	89.10	
			For Work In Restricted Working Space, Add	58.11	
23 31 13 13-0438	LF		30" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	221.39	119.96
			For 3" WG (Class B), Add	29.99	
			For 4" Or 6" WG (Class A), Add	63.98	
			For 10" WG (Class A), Add	91.97	
			For Work In Restricted Working Space, Add	59.98	
23 31 13 13-0439	LF		30" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	228.31	123.72
			For 3" WG (Class B), Add	30.93	
			For 4" Or 6" WG (Class A), Add	65.98	
			For 10" WG (Class A), Add	94.85	
			For Work In Restricted Working Space, Add	61.86	
23 31 13 13-0440	LF		30" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	235.24	127.46
			For 3" WG (Class B), Add	31.87	
			For 4" Or 6" WG (Class A), Add	67.98	
			For 10" WG (Class A), Add	97.72	
			For Work In Restricted Working Space, Add	63.73	
23 31 13 13-0441	LF		30" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	242.15	131.21
			For 3" WG (Class B), Add	32.80	
			For 4" Or 6" WG (Class A), Add	69.98	
			For 10" WG (Class A), Add	100.59	
			For Work In Restricted Working Space, Add	65.60	
23 31 13 13-0442	LF		30" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	249.06	134.96
			For 3" WG (Class B), Add	33.74	
			For 4" Or 6" WG (Class A), Add	71.97	
			For 10" WG (Class A), Add	103.46	
			For Work In Restricted Working Space, Add	67.48	
23 31 13 13-0443	LF		30" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	255.99	138.71
			For 3" WG (Class B), Add	34.68	
			For 4" Or 6" WG (Class A), Add	73.98	
			For 10" WG (Class A), Add	106.34	
			For Work In Restricted Working Space, Add	69.35	
23 31 13 13-0444	LF		30" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	262.91	142.46
			For 3" WG (Class B), Add	35.61	
			For 4" Or 6" WG (Class A), Add	75.98	
			For 10" WG (Class A), Add	109.22	
			For Work In Restricted Working Space, Add	71.23	
23 31 13 13-0445	LF		30" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	269.82	146.21
			For 3" WG (Class B), Add	36.55	
			For 4" Or 6" WG (Class A), Add	77.97	
			For 10" WG (Class A), Add	112.09	
			For Work In Restricted Working Space, Add	73.10	
23 31 13 13-0446	LF		32" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	221.39	119.96
			For 3" WG (Class B), Add	29.99	
			For 4" Or 6" WG (Class A), Add	63.98	
			For 10" WG (Class A), Add	91.97	
			For Work In Restricted Working Space, Add	59.98	
23 31 13 13-0447	LF		32" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	228.31	123.72
			For 3" WG (Class B), Add	30.93	
			For 4" Or 6" WG (Class A), Add	65.98	
			For 10" WG (Class A), Add	94.85	
			For Work In Restricted Working Space, Add	61.86	
23 31 13 13-0448	LF		32" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	235.24	127.46
			For 3" WG (Class B), Add	31.87	
			For 4" Or 6" WG (Class A), Add	67.98	
			For 10" WG (Class A), Add	97.72	
			For Work In Restricted Working Space, Add	63.73	
23 31 13 13-0449	LF		32" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	242.15	131.21
			For 3" WG (Class B), Add	32.80	
			For 4" Or 6" WG (Class A), Add	69.98	
			For 10" WG (Class A), Add	100.59	
			For Work In Restricted Working Space, Add	65.60	
23 31 13 13-0450	LF		32" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	249.06	134.96
			For 3" WG (Class B), Add	33.74	
			For 4" Or 6" WG (Class A), Add	71.97	
			For 10" WG (Class A), Add	103.46	
			For Work In Restricted Working Space, Add	67.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0451	LF	32" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	255.99	138.71
			For 3" WG (Class B), Add	34.68	
			For 4" Or 6" WG (Class A), Add	73.98	
			For 10" WG (Class A), Add	106.34	
			For Work In Restricted Working Space, Add	69.35	
23 31 13	13-0452	LF	32" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	262.91	142.46
			For 3" WG (Class B), Add	35.61	
			For 4" Or 6" WG (Class A), Add	75.98	
			For 10" WG (Class A), Add	109.22	
			For Work In Restricted Working Space, Add	71.23	
23 31 13	13-0453	LF	32" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	269.82	146.21
			For 3" WG (Class B), Add	36.55	
			For 4" Or 6" WG (Class A), Add	77.97	
			For 10" WG (Class A), Add	112.09	
			For Work In Restricted Working Space, Add	73.10	
23 31 13	13-0454	LF	32" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	276.74	149.95
			For 3" WG (Class B), Add	37.49	
			For 4" Or 6" WG (Class A), Add	79.97	
			For 10" WG (Class A), Add	114.96	
			For Work In Restricted Working Space, Add	74.98	
23 31 13	13-0455	LF	34" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	235.24	127.46
			For 3" WG (Class B), Add	31.87	
			For 4" Or 6" WG (Class A), Add	67.98	
			For 10" WG (Class A), Add	97.72	
			For Work In Restricted Working Space, Add	63.73	
23 31 13	13-0456	LF	34" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	242.15	131.21
			For 3" WG (Class B), Add	32.80	
			For 4" Or 6" WG (Class A), Add	69.98	
			For 10" WG (Class A), Add	100.59	
			For Work In Restricted Working Space, Add	65.60	
23 31 13	13-0457	LF	34" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	249.06	134.96
			For 3" WG (Class B), Add	33.74	
			For 4" Or 6" WG (Class A), Add	71.97	
			For 10" WG (Class A), Add	103.46	
			For Work In Restricted Working Space, Add	67.48	
23 31 13	13-0458	LF	34" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	255.99	138.71
			For 3" WG (Class B), Add	34.68	
			For 4" Or 6" WG (Class A), Add	73.98	
			For 10" WG (Class A), Add	106.34	
			For Work In Restricted Working Space, Add	69.35	
23 31 13	13-0459	LF	34" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	262.91	142.46
			For 3" WG (Class B), Add	35.61	
			For 4" Or 6" WG (Class A), Add	75.98	
			For 10" WG (Class A), Add	109.22	
			For Work In Restricted Working Space, Add	71.23	
23 31 13	13-0460	LF	34" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	269.82	146.21
			For 3" WG (Class B), Add	36.55	
			For 4" Or 6" WG (Class A), Add	77.97	
			For 10" WG (Class A), Add	112.09	
			For Work In Restricted Working Space, Add	73.10	
23 31 13	13-0461	LF	34" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	276.74	149.95
			For 3" WG (Class B), Add	37.49	
			For 4" Or 6" WG (Class A), Add	79.97	
			For 10" WG (Class A), Add	114.96	
			For Work In Restricted Working Space, Add	74.98	
23 31 13	13-0462	LF	34" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	283.66	153.70
			For 3" WG (Class B), Add	38.43	
			For 4" Or 6" WG (Class A), Add	81.97	
			For 10" WG (Class A), Add	117.84	
			For Work In Restricted Working Space, Add	76.85	
23 31 13	13-0463	LF	36" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	249.06	134.96
			For 3" WG (Class B), Add	33.74	
			For 4" Or 6" WG (Class A), Add	71.97	
			For 10" WG (Class A), Add	103.46	
			For Work In Restricted Working Space, Add	67.48	
23 31 13	13-0464	LF	36" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	255.99	138.71
			For 3" WG (Class B), Add	34.68	
			For 4" Or 6" WG (Class A), Add	73.98	
			For 10" WG (Class A), Add	106.34	
			For Work In Restricted Working Space, Add	69.35	
23 31 13	13-0465	LF	36" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	262.91	142.46
			For 3" WG (Class B), Add	35.61	
			For 4" Or 6" WG (Class A), Add	75.98	
			For 10" WG (Class A), Add	109.22	
			For Work In Restricted Working Space, Add	71.23	
23 31 13	13-0466	LF	36" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	269.82	146.21
			For 3" WG (Class B), Add	36.55	
			For 4" Or 6" WG (Class A), Add	77.97	
			For 10" WG (Class A), Add	112.09	
			For Work In Restricted Working Space, Add	73.10	
23 31 13	13-0467	LF	36" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	276.74	149.95
			For 3" WG (Class B), Add	37.49	
			For 4" Or 6" WG (Class A), Add	79.97	
			For 10" WG (Class A), Add	114.96	
			For Work In Restricted Working Space, Add	74.98	
23 31 13	13-0468	LF	36" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	283.66	153.70
			For 3" WG (Class B), Add	38.43	
			For 4" Or 6" WG (Class A), Add	81.97	
			For 10" WG (Class A), Add	117.84	
			For Work In Restricted Working Space, Add	76.85	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0469	LF		36" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	290.57	157.45
			For 3" WG (Class B), Add	39.36	
			For 4" Or 6" WG (Class A), Add	83.97	
			For 10" WG (Class A), Add	120.71	
			For Work In Restricted Working Space, Add	78.72	
23 31 13 13-0470	LF		38" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	262.91	142.46
			For 3" WG (Class B), Add	35.61	
			For 4" Or 6" WG (Class A), Add	75.98	
			For 10" WG (Class A), Add	109.22	
			For Work In Restricted Working Space, Add	71.23	
23 31 13 13-0471	LF		38" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	269.82	146.21
			For 3" WG (Class B), Add	36.55	
			For 4" Or 6" WG (Class A), Add	77.97	
			For 10" WG (Class A), Add	112.09	
			For Work In Restricted Working Space, Add	73.10	
23 31 13 13-0472	LF		38" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	276.74	149.95
			For 3" WG (Class B), Add	37.49	
			For 4" Or 6" WG (Class A), Add	79.97	
			For 10" WG (Class A), Add	114.96	
			For Work In Restricted Working Space, Add	74.98	
23 31 13 13-0473	LF		38" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	283.66	153.70
			For 3" WG (Class B), Add	38.43	
			For 4" Or 6" WG (Class A), Add	81.97	
			For 10" WG (Class A), Add	117.84	
			For Work In Restricted Working Space, Add	76.85	
23 31 13 13-0474	LF		38" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	290.57	157.45
			For 3" WG (Class B), Add	39.36	
			For 4" Or 6" WG (Class A), Add	83.97	
			For 10" WG (Class A), Add	120.71	
			For Work In Restricted Working Space, Add	78.72	
23 31 13 13-0475	LF		38" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	297.50	161.20
			For 3" WG (Class B), Add	40.30	
			For 4" Or 6" WG (Class A), Add	85.97	
			For 10" WG (Class A), Add	123.59	
			For Work In Restricted Working Space, Add	80.60	
23 31 13 13-0476	LF		38" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	304.42	164.95
			For 3" WG (Class B), Add	41.24	
			For 4" Or 6" WG (Class A), Add	87.97	
			For 10" WG (Class A), Add	126.46	
			For Work In Restricted Working Space, Add	82.48	
23 31 13 13-0477	LF		40" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	276.74	149.95
			For 3" WG (Class B), Add	37.49	
			For 4" Or 6" WG (Class A), Add	79.97	
			For 10" WG (Class A), Add	114.96	
			For Work In Restricted Working Space, Add	74.98	
23 31 13 13-0478	LF		40" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	283.66	153.70
			For 3" WG (Class B), Add	38.43	
			For 4" Or 6" WG (Class A), Add	81.97	
			For 10" WG (Class A), Add	117.84	
			For Work In Restricted Working Space, Add	76.85	
23 31 13 13-0479	LF		40" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	290.57	157.45
			For 3" WG (Class B), Add	39.36	
			For 4" Or 6" WG (Class A), Add	83.97	
			For 10" WG (Class A), Add	120.71	
			For Work In Restricted Working Space, Add	78.72	
23 31 13 13-0480	LF		40" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	297.50	161.20
			For 3" WG (Class B), Add	40.30	
			For 4" Or 6" WG (Class A), Add	85.97	
			For 10" WG (Class A), Add	123.59	
			For Work In Restricted Working Space, Add	80.60	
23 31 13 13-0481	LF		40" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	304.42	164.95
			For 3" WG (Class B), Add	41.24	
			For 4" Or 6" WG (Class A), Add	87.97	
			For 10" WG (Class A), Add	126.46	
			For Work In Restricted Working Space, Add	82.48	
23 31 13 13-0482	LF		40" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	311.34	168.70
			For 3" WG (Class B), Add	42.18	
			For 4" Or 6" WG (Class A), Add	89.97	
			For 10" WG (Class A), Add	129.34	
			For Work In Restricted Working Space, Add	84.35	
23 31 13 13-0483	LF		40" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	318.25	172.45
			For 3" WG (Class B), Add	43.11	
			For 4" Or 6" WG (Class A), Add	91.97	
			For 10" WG (Class A), Add	132.21	
			For Work In Restricted Working Space, Add	86.22	
23 31 13 13-0484	LF		40" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	325.17	176.19
			For 3" WG (Class B), Add	44.05	
			For 4" Or 6" WG (Class A), Add	93.97	
			For 10" WG (Class A), Add	135.08	
			For Work In Restricted Working Space, Add	88.10	
23 31 13 13-0485	LF		42" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	290.57	157.45
			For 3" WG (Class B), Add	39.36	
			For 4" Or 6" WG (Class A), Add	83.97	
			For 10" WG (Class A), Add	120.71	
			For Work In Restricted Working Space, Add	78.72	
23 31 13 13-0486	LF		42" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	297.50	161.20
			For 3" WG (Class B), Add	40.30	
			For 4" Or 6" WG (Class A), Add	85.97	
			For 10" WG (Class A), Add	123.59	
			For Work In Restricted Working Space, Add	80.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0487	LF	42" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	304.42	164.95
			For 3" WG (Class B), Add	41.24	
			For 4" Or 6" WG (Class A), Add	87.97	
			For 10" WG (Class A), Add	126.46	
			For Work In Restricted Working Space, Add	82.48	
23 31 13	13-0488	LF	42" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	311.34	168.70
			For 3" WG (Class B), Add	42.18	
			For 4" Or 6" WG (Class A), Add	89.97	
			For 10" WG (Class A), Add	129.34	
			For Work In Restricted Working Space, Add	84.35	
23 31 13	13-0489	LF	42" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	318.25	172.45
			For 3" WG (Class B), Add	43.11	
			For 4" Or 6" WG (Class A), Add	91.97	
			For 10" WG (Class A), Add	132.21	
			For Work In Restricted Working Space, Add	86.22	
23 31 13	13-0490	LF	42" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	325.17	176.19
			For 3" WG (Class B), Add	44.05	
			For 4" Or 6" WG (Class A), Add	93.97	
			For 10" WG (Class A), Add	135.08	
			For Work In Restricted Working Space, Add	88.10	
23 31 13	13-0491	LF	42" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	332.09	179.94
			For 3" WG (Class B), Add	44.99	
			For 4" Or 6" WG (Class A), Add	95.97	
			For 10" WG (Class A), Add	137.96	
			For Work In Restricted Working Space, Add	89.97	
23 31 13	13-0492	LF	44" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	304.42	164.95
			For 3" WG (Class B), Add	41.24	
			For 4" Or 6" WG (Class A), Add	87.97	
			For 10" WG (Class A), Add	126.46	
			For Work In Restricted Working Space, Add	82.48	
23 31 13	13-0493	LF	44" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	311.34	168.70
			For 3" WG (Class B), Add	42.18	
			For 4" Or 6" WG (Class A), Add	89.97	
			For 10" WG (Class A), Add	129.34	
			For Work In Restricted Working Space, Add	84.35	
23 31 13	13-0494	LF	44" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	318.25	172.45
			For 3" WG (Class B), Add	43.11	
			For 4" Or 6" WG (Class A), Add	91.97	
			For 10" WG (Class A), Add	132.21	
			For Work In Restricted Working Space, Add	86.22	
23 31 13	13-0495	LF	44" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	325.17	176.19
			For 3" WG (Class B), Add	44.05	
			For 4" Or 6" WG (Class A), Add	93.97	
			For 10" WG (Class A), Add	135.08	
			For Work In Restricted Working Space, Add	88.10	
23 31 13	13-0496	LF	44" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	332.09	179.94
			For 3" WG (Class B), Add	44.99	
			For 4" Or 6" WG (Class A), Add	95.97	
			For 10" WG (Class A), Add	137.96	
			For Work In Restricted Working Space, Add	89.97	
23 31 13	13-0497	LF	44" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	339.00	183.70
			For 3" WG (Class B), Add	45.92	
			For 4" Or 6" WG (Class A), Add	97.97	
			For 10" WG (Class A), Add	140.83	
			For Work In Restricted Working Space, Add	91.85	
23 31 13	13-0498	LF	46" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	318.25	172.45
			For 3" WG (Class B), Add	43.11	
			For 4" Or 6" WG (Class A), Add	91.97	
			For 10" WG (Class A), Add	132.21	
			For Work In Restricted Working Space, Add	86.22	
23 31 13	13-0499	LF	46" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	325.17	176.19
			For 3" WG (Class B), Add	44.05	
			For 4" Or 6" WG (Class A), Add	93.97	
			For 10" WG (Class A), Add	135.08	
			For Work In Restricted Working Space, Add	88.10	
23 31 13	13-0500	LF	46" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	332.09	179.94
			For 3" WG (Class B), Add	44.99	
			For 4" Or 6" WG (Class A), Add	95.97	
			For 10" WG (Class A), Add	137.96	
			For Work In Restricted Working Space, Add	89.97	
23 31 13	13-0501	LF	46" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	339.00	183.70
			For 3" WG (Class B), Add	45.92	
			For 4" Or 6" WG (Class A), Add	97.97	
			For 10" WG (Class A), Add	140.83	
			For Work In Restricted Working Space, Add	91.85	
23 31 13	13-0502	LF	46" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	345.93	187.45
			For 3" WG (Class B), Add	46.86	
			For 4" Or 6" WG (Class A), Add	99.97	
			For 10" WG (Class A), Add	143.71	
			For Work In Restricted Working Space, Add	93.72	
23 31 13	13-0503	LF	48" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	332.09	179.94
			For 3" WG (Class B), Add	44.99	
			For 4" Or 6" WG (Class A), Add	95.97	
			For 10" WG (Class A), Add	137.96	
			For Work In Restricted Working Space, Add	89.97	
23 31 13	13-0504	LF	48" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	339.00	183.70
			For 3" WG (Class B), Add	45.92	
			For 4" Or 6" WG (Class A), Add	97.97	
			For 10" WG (Class A), Add	140.83	
			For Work In Restricted Working Space, Add	91.85	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0505	LF		48" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	345.93	187.45
			For 3" WG (Class B), Add	46.86	
			For 4" Or 6" WG (Class A), Add	99.97	
			For 10" WG (Class A), Add	143.71	
			For Work In Restricted Working Space, Add	93.72	
23 31 13 13-0506	LF		48" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	352.84	191.19
			For 3" WG (Class B), Add	47.80	
			For 4" Or 6" WG (Class A), Add	101.97	
			For 10" WG (Class A), Add	146.58	
			For Work In Restricted Working Space, Add	95.60	
23 31 13 13-0507	LF		50" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	345.93	187.45
			For 3" WG (Class B), Add	46.86	
			For 4" Or 6" WG (Class A), Add	99.97	
			For 10" WG (Class A), Add	143.71	
			For Work In Restricted Working Space, Add	93.72	
23 31 13 13-0508	LF		50" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	352.84	191.19
			For 3" WG (Class B), Add	47.80	
			For 4" Or 6" WG (Class A), Add	101.97	
			For 10" WG (Class A), Add	146.58	
			For Work In Restricted Working Space, Add	95.60	
23 31 13 13-0509	LF		50" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	359.76	194.94
			For 3" WG (Class B), Add	48.74	
			For 4" Or 6" WG (Class A), Add	103.97	
			For 10" WG (Class A), Add	149.45	
			For Work In Restricted Working Space, Add	97.47	
23 31 13 13-0510	LF		52" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	359.76	194.94
			For 3" WG (Class B), Add	48.74	
			For 4" Or 6" WG (Class A), Add	103.97	
			For 10" WG (Class A), Add	149.45	
			For Work In Restricted Working Space, Add	97.47	
23 31 13 13-0511	LF		52" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	366.67	198.69
			For 3" WG (Class B), Add	49.67	
			For 4" Or 6" WG (Class A), Add	105.96	
			For 10" WG (Class A), Add	152.32	
			For Work In Restricted Working Space, Add	99.34	
23 31 13 13-0512	LF		54" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork .....	373.59	202.43
			For 3" WG (Class B), Add	50.61	
			For 4" Or 6" WG (Class A), Add	107.96	
			For 10" WG (Class A), Add	155.20	
			For Work In Restricted Working Space, Add	101.22	
<b>23 31 13 13-0513</b>			<b>20 Gauge Galvanized Steel Metal Ductwork</b> <small>(23 31 13 13-0014)</small>		
23 31 13 13-0514	LF		4" x 4", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	32.59	17.66
			For 3" WG (Class B), Add	4.42	
			For 4" Or 6" WG (Class A), Add	9.42	
			For 10" WG (Class A), Add	13.54	
			For Work In Restricted Working Space, Add	8.83	
23 31 13 13-0515	LF		4" x 6", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	40.75	22.07
			For 3" WG (Class B), Add	5.52	
			For 4" Or 6" WG (Class A), Add	11.78	
			For 10" WG (Class A), Add	16.93	
			For Work In Restricted Working Space, Add	11.04	
23 31 13 13-0516	LF		4" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	48.89	26.49
			For 3" WG (Class B), Add	6.62	
			For 4" Or 6" WG (Class A), Add	14.13	
			For 10" WG (Class A), Add	20.31	
			For Work In Restricted Working Space, Add	13.25	
23 31 13 13-0517	LF		4" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	57.03	30.90
			For 3" WG (Class B), Add	7.73	
			For 4" Or 6" WG (Class A), Add	16.48	
			For 10" WG (Class A), Add	23.69	
			For Work In Restricted Working Space, Add	15.45	
23 31 13 13-0518	LF		4" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	65.19	35.33
			For 3" WG (Class B), Add	8.83	
			For 4" Or 6" WG (Class A), Add	18.84	
			For 10" WG (Class A), Add	27.08	
			For Work In Restricted Working Space, Add	17.66	
23 31 13 13-0519	LF		4" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	73.34	39.73
			For 3" WG (Class B), Add	9.93	
			For 4" Or 6" WG (Class A), Add	21.19	
			For 10" WG (Class A), Add	30.47	
			For Work In Restricted Working Space, Add	19.87	
23 31 13 13-0520	LF		4" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	81.49	44.15
			For 3" WG (Class B), Add	11.04	
			For 4" Or 6" WG (Class A), Add	23.55	
			For 10" WG (Class A), Add	33.86	
			For Work In Restricted Working Space, Add	22.08	
23 31 13 13-0521	LF		6" x 6", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	48.89	26.49
			For 3" WG (Class B), Add	6.62	
			For 4" Or 6" WG (Class A), Add	14.13	
			For 10" WG (Class A), Add	20.31	
			For Work In Restricted Working Space, Add	13.25	
23 31 13 13-0522	LF		6" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	57.03	30.90
			For 3" WG (Class B), Add	7.73	
			For 4" Or 6" WG (Class A), Add	16.48	
			For 10" WG (Class A), Add	23.69	
			For Work In Restricted Working Space, Add	15.45	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0523	LF	6" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	65.19 8.83 18.84 27.08 17.66	35.33
23 31 13	13-0524	LF	6" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	73.34 9.93 21.19 30.47 19.87	39.73
23 31 13	13-0525	LF	6" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	81.49 11.04 23.55 33.86 22.08	44.15
23 31 13	13-0526	LF	6" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	89.64 12.14 25.90 37.24 24.29	48.57
23 31 13	13-0527	LF	8" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	65.19 8.83 18.84 27.08 17.66	35.33
23 31 13	13-0528	LF	8" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	73.34 9.93 21.19 30.47 19.87	39.73
23 31 13	13-0529	LF	8" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	81.49 11.04 23.55 33.86 22.08	44.15
23 31 13	13-0530	LF	8" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	89.64 12.14 25.90 37.24 24.29	48.57
23 31 13	13-0531	LF	8" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	97.78 13.25 28.26 40.62 26.49	52.99
23 31 13	13-0532	LF	8" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	105.92 14.35 30.61 44.00 28.70	57.39
23 31 13	13-0533	LF	8" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	114.09 15.45 32.97 47.39 30.91	61.82
23 31 13	13-0534	LF	8" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	122.22 16.56 35.32 50.77 33.11	66.23
23 31 13	13-0535	LF	8" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	130.38 17.66 37.68 54.16 35.32	70.64
23 31 13	13-0536	LF	10" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	81.49 11.04 23.55 33.86 22.08	44.15
23 31 13	13-0537	LF	10" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	89.64 12.14 25.90 37.24 24.29	48.57
23 31 13	13-0538	LF	10" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	97.78 13.25 28.26 40.62 26.49	52.99
23 31 13	13-0539	LF	10" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	105.92 14.35 30.61 44.00 28.70	57.39
23 31 13	13-0540	LF	10" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	114.09 15.45 32.97 47.39 30.91	61.82

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0541	LF		10" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	122.22	66.23
			For 3" WG (Class B), Add	16.56	
			For 4" Or 6" WG (Class A), Add	35.32	
			For 10" WG (Class A), Add	50.77	
			For Work In Restricted Working Space, Add	33.11	
23 31 13 13-0542	LF		10" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	130.38	70.64
			For 3" WG (Class B), Add	17.66	
			For 4" Or 6" WG (Class A), Add	37.68	
			For 10" WG (Class A), Add	54.16	
			For Work In Restricted Working Space, Add	35.32	
23 31 13 13-0543	LF		10" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	138.54	75.06
			For 3" WG (Class B), Add	18.77	
			For 4" Or 6" WG (Class A), Add	40.04	
			For 10" WG (Class A), Add	57.55	
			For Work In Restricted Working Space, Add	37.53	
23 31 13 13-0544	LF		10" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	146.67	79.48
			For 3" WG (Class B), Add	19.87	
			For 4" Or 6" WG (Class A), Add	42.39	
			For 10" WG (Class A), Add	60.93	
			For Work In Restricted Working Space, Add	39.74	
23 31 13 13-0545	LF		10" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	154.84	83.88
			For 3" WG (Class B), Add	20.97	
			For 4" Or 6" WG (Class A), Add	44.75	
			For 10" WG (Class A), Add	64.32	
			For Work In Restricted Working Space, Add	41.95	
23 31 13 13-0546	LF		10" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	162.97	88.31
			For 3" WG (Class B), Add	22.08	
			For 4" Or 6" WG (Class A), Add	47.10	
			For 10" WG (Class A), Add	67.70	
			For Work In Restricted Working Space, Add	44.15	
23 31 13 13-0547	LF		10" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	171.12	92.72
			For 3" WG (Class B), Add	23.18	
			For 4" Or 6" WG (Class A), Add	49.45	
			For 10" WG (Class A), Add	71.09	
			For Work In Restricted Working Space, Add	46.36	
23 31 13 13-0548	LF		12" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	97.78	52.99
			For 3" WG (Class B), Add	13.25	
			For 4" Or 6" WG (Class A), Add	28.26	
			For 10" WG (Class A), Add	40.62	
			For Work In Restricted Working Space, Add	26.49	
23 31 13 13-0549	LF		12" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	105.92	57.39
			For 3" WG (Class B), Add	14.35	
			For 4" Or 6" WG (Class A), Add	30.61	
			For 10" WG (Class A), Add	44.00	
			For Work In Restricted Working Space, Add	28.70	
23 31 13 13-0550	LF		12" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	114.09	61.82
			For 3" WG (Class B), Add	15.45	
			For 4" Or 6" WG (Class A), Add	32.97	
			For 10" WG (Class A), Add	47.39	
			For Work In Restricted Working Space, Add	30.91	
23 31 13 13-0551	LF		12" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	122.22	66.23
			For 3" WG (Class B), Add	16.56	
			For 4" Or 6" WG (Class A), Add	35.32	
			For 10" WG (Class A), Add	50.77	
			For Work In Restricted Working Space, Add	33.11	
23 31 13 13-0552	LF		12" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	130.38	70.64
			For 3" WG (Class B), Add	17.66	
			For 4" Or 6" WG (Class A), Add	37.68	
			For 10" WG (Class A), Add	54.16	
			For Work In Restricted Working Space, Add	35.32	
23 31 13 13-0553	LF		12" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	138.54	75.06
			For 3" WG (Class B), Add	18.77	
			For 4" Or 6" WG (Class A), Add	40.04	
			For 10" WG (Class A), Add	57.55	
			For Work In Restricted Working Space, Add	37.53	
23 31 13 13-0554	LF		12" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	146.67	79.48
			For 3" WG (Class B), Add	19.87	
			For 4" Or 6" WG (Class A), Add	42.39	
			For 10" WG (Class A), Add	60.93	
			For Work In Restricted Working Space, Add	39.74	
23 31 13 13-0555	LF		12" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	154.84	83.88
			For 3" WG (Class B), Add	20.97	
			For 4" Or 6" WG (Class A), Add	44.75	
			For 10" WG (Class A), Add	64.32	
			For Work In Restricted Working Space, Add	41.95	
23 31 13 13-0556	LF		12" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	162.97	88.31
			For 3" WG (Class B), Add	22.08	
			For 4" Or 6" WG (Class A), Add	47.10	
			For 10" WG (Class A), Add	67.70	
			For Work In Restricted Working Space, Add	44.15	
23 31 13 13-0557	LF		12" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	171.12	92.72
			For 3" WG (Class B), Add	23.18	
			For 4" Or 6" WG (Class A), Add	49.45	
			For 10" WG (Class A), Add	71.09	
			For Work In Restricted Working Space, Add	46.36	
23 31 13 13-0558	LF		12" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork .....	179.27	97.14
			For 3" WG (Class B), Add	24.28	
			For 4" Or 6" WG (Class A), Add	51.80	
			For 10" WG (Class A), Add	74.47	
			For Work In Restricted Working Space, Add	48.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0559	LF	12" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	187.41	101.55
			For 3" WG (Class B), Add	25.39	
			For 4" Or 6" WG (Class A), Add	54.16	
			For 10" WG (Class A), Add	77.86	
			For Work In Restricted Working Space, Add	50.78	
23 31 13	13-0560	LF	12" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	195.58	105.97
			For 3" WG (Class B), Add	26.49	
			For 4" Or 6" WG (Class A), Add	56.52	
			For 10" WG (Class A), Add	81.25	
			For Work In Restricted Working Space, Add	52.99	
23 31 13	13-0561	LF	14" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	114.09	61.82
			For 3" WG (Class B), Add	15.45	
			For 4" Or 6" WG (Class A), Add	32.97	
			For 10" WG (Class A), Add	47.39	
			For Work In Restricted Working Space, Add	30.91	
23 31 13	13-0562	LF	14" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	122.22	66.23
			For 3" WG (Class B), Add	16.56	
			For 4" Or 6" WG (Class A), Add	35.32	
			For 10" WG (Class A), Add	50.77	
			For Work In Restricted Working Space, Add	33.11	
23 31 13	13-0563	LF	14" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	130.38	70.64
			For 3" WG (Class B), Add	17.66	
			For 4" Or 6" WG (Class A), Add	37.68	
			For 10" WG (Class A), Add	54.16	
			For Work In Restricted Working Space, Add	35.32	
23 31 13	13-0564	LF	14" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	138.54	75.06
			For 3" WG (Class B), Add	18.77	
			For 4" Or 6" WG (Class A), Add	40.04	
			For 10" WG (Class A), Add	57.55	
			For Work In Restricted Working Space, Add	37.53	
23 31 13	13-0565	LF	14" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	146.67	79.48
			For 3" WG (Class B), Add	19.87	
			For 4" Or 6" WG (Class A), Add	42.39	
			For 10" WG (Class A), Add	60.93	
			For Work In Restricted Working Space, Add	39.74	
23 31 13	13-0566	LF	14" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	154.84	83.88
			For 3" WG (Class B), Add	20.97	
			For 4" Or 6" WG (Class A), Add	44.75	
			For 10" WG (Class A), Add	64.32	
			For Work In Restricted Working Space, Add	41.95	
23 31 13	13-0567	LF	14" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	162.97	88.31
			For 3" WG (Class B), Add	22.08	
			For 4" Or 6" WG (Class A), Add	47.10	
			For 10" WG (Class A), Add	67.70	
			For Work In Restricted Working Space, Add	44.15	
23 31 13	13-0568	LF	14" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	171.12	92.72
			For 3" WG (Class B), Add	23.18	
			For 4" Or 6" WG (Class A), Add	49.45	
			For 10" WG (Class A), Add	71.09	
			For Work In Restricted Working Space, Add	46.36	
23 31 13	13-0569	LF	14" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	179.27	97.14
			For 3" WG (Class B), Add	24.28	
			For 4" Or 6" WG (Class A), Add	51.80	
			For 10" WG (Class A), Add	74.47	
			For Work In Restricted Working Space, Add	48.57	
23 31 13	13-0570	LF	14" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	187.41	101.55
			For 3" WG (Class B), Add	25.39	
			For 4" Or 6" WG (Class A), Add	54.16	
			For 10" WG (Class A), Add	77.86	
			For Work In Restricted Working Space, Add	50.78	
23 31 13	13-0571	LF	14" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	195.58	105.97
			For 3" WG (Class B), Add	26.49	
			For 4" Or 6" WG (Class A), Add	56.52	
			For 10" WG (Class A), Add	81.25	
			For Work In Restricted Working Space, Add	52.99	
23 31 13	13-0572	LF	14" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	203.71	110.38
			For 3" WG (Class B), Add	27.60	
			For 4" Or 6" WG (Class A), Add	58.87	
			For 10" WG (Class A), Add	84.63	
			For Work In Restricted Working Space, Add	55.19	
23 31 13	13-0573	LF	16" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	130.38	70.64
			For 3" WG (Class B), Add	17.66	
			For 4" Or 6" WG (Class A), Add	37.68	
			For 10" WG (Class A), Add	54.16	
			For Work In Restricted Working Space, Add	35.32	
23 31 13	13-0574	LF	16" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	138.54	75.06
			For 3" WG (Class B), Add	18.77	
			For 4" Or 6" WG (Class A), Add	40.04	
			For 10" WG (Class A), Add	57.55	
			For Work In Restricted Working Space, Add	37.53	
23 31 13	13-0575	LF	16" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	146.67	79.48
			For 3" WG (Class B), Add	19.87	
			For 4" Or 6" WG (Class A), Add	42.39	
			For 10" WG (Class A), Add	60.93	
			For Work In Restricted Working Space, Add	39.74	
23 31 13	13-0576	LF	16" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	154.84	83.88
			For 3" WG (Class B), Add	20.97	
			For 4" Or 6" WG (Class A), Add	44.75	
			For 10" WG (Class A), Add	64.32	
			For Work In Restricted Working Space, Add	41.95	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0577	LF	16" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	162.97	88.31
			<i>For 3" WG (Class B), Add</i>	22.08	
			<i>For 4" Or 6" WG (Class A), Add</i>	47.10	
			<i>For 10" WG (Class A), Add</i>	67.70	
			<i>For Work In Restricted Working Space, Add</i>	44.15	
23 31 13	13-0578	LF	16" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	171.12	92.72
			<i>For 3" WG (Class B), Add</i>	23.18	
			<i>For 4" Or 6" WG (Class A), Add</i>	49.45	
			<i>For 10" WG (Class A), Add</i>	71.09	
			<i>For Work In Restricted Working Space, Add</i>	46.36	
23 31 13	13-0579	LF	16" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	179.27	97.14
			<i>For 3" WG (Class B), Add</i>	24.28	
			<i>For 4" Or 6" WG (Class A), Add</i>	51.80	
			<i>For 10" WG (Class A), Add</i>	74.47	
			<i>For Work In Restricted Working Space, Add</i>	48.57	
23 31 13	13-0580	LF	16" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	187.41	101.55
			<i>For 3" WG (Class B), Add</i>	25.39	
			<i>For 4" Or 6" WG (Class A), Add</i>	54.16	
			<i>For 10" WG (Class A), Add</i>	77.86	
			<i>For Work In Restricted Working Space, Add</i>	50.78	
23 31 13	13-0581	LF	16" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	195.58	105.97
			<i>For 3" WG (Class B), Add</i>	26.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	56.52	
			<i>For 10" WG (Class A), Add</i>	81.25	
			<i>For Work In Restricted Working Space, Add</i>	52.99	
23 31 13	13-0582	LF	16" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	203.71	110.38
			<i>For 3" WG (Class B), Add</i>	27.60	
			<i>For 4" Or 6" WG (Class A), Add</i>	58.87	
			<i>For 10" WG (Class A), Add</i>	84.63	
			<i>For Work In Restricted Working Space, Add</i>	55.19	
23 31 13	13-0583	LF	16" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	211.87	114.81
			<i>For 3" WG (Class B), Add</i>	28.70	
			<i>For 4" Or 6" WG (Class A), Add</i>	61.23	
			<i>For 10" WG (Class A), Add</i>	88.02	
			<i>For Work In Restricted Working Space, Add</i>	57.40	
23 31 13	13-0584	LF	16" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	220.02	119.21
			<i>For 3" WG (Class B), Add</i>	29.80	
			<i>For 4" Or 6" WG (Class A), Add</i>	63.58	
			<i>For 10" WG (Class A), Add</i>	91.40	
			<i>For Work In Restricted Working Space, Add</i>	59.61	
23 31 13	13-0585	LF	16" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	228.16	123.63
			<i>For 3" WG (Class B), Add</i>	30.91	
			<i>For 4" Or 6" WG (Class A), Add</i>	65.94	
			<i>For 10" WG (Class A), Add</i>	94.78	
			<i>For Work In Restricted Working Space, Add</i>	61.82	
23 31 13	13-0586	LF	16" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	236.30	128.05
			<i>For 3" WG (Class B), Add</i>	32.01	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.29	
			<i>For 10" WG (Class A), Add</i>	98.16	
			<i>For Work In Restricted Working Space, Add</i>	64.02	
23 31 13	13-0587	LF	16" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	244.48	132.46
			<i>For 3" WG (Class B), Add</i>	33.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	70.65	
			<i>For 10" WG (Class A), Add</i>	101.56	
			<i>For Work In Restricted Working Space, Add</i>	66.23	
23 31 13	13-0588	LF	18" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	146.67	79.48
			<i>For 3" WG (Class B), Add</i>	19.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.39	
			<i>For 10" WG (Class A), Add</i>	60.93	
			<i>For Work In Restricted Working Space, Add</i>	39.74	
23 31 13	13-0589	LF	18" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	154.84	83.88
			<i>For 3" WG (Class B), Add</i>	20.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	44.75	
			<i>For 10" WG (Class A), Add</i>	64.32	
			<i>For Work In Restricted Working Space, Add</i>	41.95	
23 31 13	13-0590	LF	18" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	162.97	88.31
			<i>For 3" WG (Class B), Add</i>	22.08	
			<i>For 4" Or 6" WG (Class A), Add</i>	47.10	
			<i>For 10" WG (Class A), Add</i>	67.70	
			<i>For Work In Restricted Working Space, Add</i>	44.15	
23 31 13	13-0591	LF	18" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	171.12	92.72
			<i>For 3" WG (Class B), Add</i>	23.18	
			<i>For 4" Or 6" WG (Class A), Add</i>	49.45	
			<i>For 10" WG (Class A), Add</i>	71.09	
			<i>For Work In Restricted Working Space, Add</i>	46.36	
23 31 13	13-0592	LF	18" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	179.27	97.14
			<i>For 3" WG (Class B), Add</i>	24.28	
			<i>For 4" Or 6" WG (Class A), Add</i>	51.80	
			<i>For 10" WG (Class A), Add</i>	74.47	
			<i>For Work In Restricted Working Space, Add</i>	48.57	
23 31 13	13-0593	LF	18" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	187.41	101.55
			<i>For 3" WG (Class B), Add</i>	25.39	
			<i>For 4" Or 6" WG (Class A), Add</i>	54.16	
			<i>For 10" WG (Class A), Add</i>	77.86	
			<i>For Work In Restricted Working Space, Add</i>	50.78	
23 31 13	13-0594	LF	18" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	195.58	105.97
			<i>For 3" WG (Class B), Add</i>	26.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	56.52	
			<i>For 10" WG (Class A), Add</i>	81.25	
			<i>For Work In Restricted Working Space, Add</i>	52.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0595	LF	18" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	203.71	110.38
			For 3" WG (Class B), Add	27.60	
			For 4" Or 6" WG (Class A), Add	58.87	
			For 10" WG (Class A), Add	84.63	
			For Work In Restricted Working Space, Add	55.19	
23 31 13	13-0596	LF	18" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	211.87	114.81
			For 3" WG (Class B), Add	28.70	
			For 4" Or 6" WG (Class A), Add	61.23	
			For 10" WG (Class A), Add	88.02	
			For Work In Restricted Working Space, Add	57.40	
23 31 13	13-0597	LF	18" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	220.02	119.21
			For 3" WG (Class B), Add	29.80	
			For 4" Or 6" WG (Class A), Add	63.58	
			For 10" WG (Class A), Add	91.40	
			For Work In Restricted Working Space, Add	59.61	
23 31 13	13-0598	LF	18" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	228.16	123.63
			For 3" WG (Class B), Add	30.91	
			For 4" Or 6" WG (Class A), Add	65.94	
			For 10" WG (Class A), Add	94.78	
			For Work In Restricted Working Space, Add	61.82	
23 31 13	13-0599	LF	18" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	236.30	128.05
			For 3" WG (Class B), Add	32.01	
			For 4" Or 6" WG (Class A), Add	68.29	
			For 10" WG (Class A), Add	98.16	
			For Work In Restricted Working Space, Add	64.02	
23 31 13	13-0600	LF	18" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	244.48	132.46
			For 3" WG (Class B), Add	33.12	
			For 4" Or 6" WG (Class A), Add	70.65	
			For 10" WG (Class A), Add	101.56	
			For Work In Restricted Working Space, Add	66.23	
23 31 13	13-0601	LF	18" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	252.61	136.87
			For 3" WG (Class B), Add	34.22	
			For 4" Or 6" WG (Class A), Add	73.00	
			For 10" WG (Class A), Add	104.94	
			For Work In Restricted Working Space, Add	68.44	
23 31 13	13-0602	LF	18" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	260.76	141.30
			For 3" WG (Class B), Add	35.32	
			For 4" Or 6" WG (Class A), Add	75.36	
			For 10" WG (Class A), Add	108.33	
			For Work In Restricted Working Space, Add	70.65	
23 31 13	13-0603	LF	20" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	162.97	88.31
			For 3" WG (Class B), Add	22.08	
			For 4" Or 6" WG (Class A), Add	47.10	
			For 10" WG (Class A), Add	67.70	
			For Work In Restricted Working Space, Add	44.15	
23 31 13	13-0604	LF	20" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	171.12	92.72
			For 3" WG (Class B), Add	23.18	
			For 4" Or 6" WG (Class A), Add	49.45	
			For 10" WG (Class A), Add	71.09	
			For Work In Restricted Working Space, Add	46.36	
23 31 13	13-0605	LF	20" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	179.27	97.14
			For 3" WG (Class B), Add	24.28	
			For 4" Or 6" WG (Class A), Add	51.80	
			For 10" WG (Class A), Add	74.47	
			For Work In Restricted Working Space, Add	48.57	
23 31 13	13-0606	LF	20" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	187.41	101.55
			For 3" WG (Class B), Add	25.39	
			For 4" Or 6" WG (Class A), Add	54.16	
			For 10" WG (Class A), Add	77.86	
			For Work In Restricted Working Space, Add	50.78	
23 31 13	13-0607	LF	20" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	195.58	105.97
			For 3" WG (Class B), Add	26.49	
			For 4" Or 6" WG (Class A), Add	56.52	
			For 10" WG (Class A), Add	81.25	
			For Work In Restricted Working Space, Add	52.99	
23 31 13	13-0608	LF	20" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	203.71	110.38
			For 3" WG (Class B), Add	27.60	
			For 4" Or 6" WG (Class A), Add	58.87	
			For 10" WG (Class A), Add	84.63	
			For Work In Restricted Working Space, Add	55.19	
23 31 13	13-0609	LF	20" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	211.87	114.81
			For 3" WG (Class B), Add	28.70	
			For 4" Or 6" WG (Class A), Add	61.23	
			For 10" WG (Class A), Add	88.02	
			For Work In Restricted Working Space, Add	57.40	
23 31 13	13-0610	LF	20" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	220.02	119.21
			For 3" WG (Class B), Add	29.80	
			For 4" Or 6" WG (Class A), Add	63.58	
			For 10" WG (Class A), Add	91.40	
			For Work In Restricted Working Space, Add	59.61	
23 31 13	13-0611	LF	20" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	228.16	123.63
			For 3" WG (Class B), Add	30.91	
			For 4" Or 6" WG (Class A), Add	65.94	
			For 10" WG (Class A), Add	94.78	
			For Work In Restricted Working Space, Add	61.82	
23 31 13	13-0612	LF	20" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	236.30	128.05
			For 3" WG (Class B), Add	32.01	
			For 4" Or 6" WG (Class A), Add	68.29	
			For 10" WG (Class A), Add	98.16	
			For Work In Restricted Working Space, Add	64.02	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0613	LF	20" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	244.48	132.46
		<i>For 3" WG (Class B), Add</i>		33.12	
		<i>For 4" Or 6" WG (Class A), Add</i>		70.65	
		<i>For 10" WG (Class A), Add</i>		101.56	
		<i>For Work In Restricted Working Space, Add</i>		66.23	
23 31 13 13-0614	LF	20" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	252.61	136.87
		<i>For 3" WG (Class B), Add</i>		34.22	
		<i>For 4" Or 6" WG (Class A), Add</i>		73.00	
		<i>For 10" WG (Class A), Add</i>		104.94	
		<i>For Work In Restricted Working Space, Add</i>		68.44	
23 31 13 13-0615	LF	20" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	260.76	141.30
		<i>For 3" WG (Class B), Add</i>		35.32	
		<i>For 4" Or 6" WG (Class A), Add</i>		75.36	
		<i>For 10" WG (Class A), Add</i>		108.33	
		<i>For Work In Restricted Working Space, Add</i>		70.65	
23 31 13 13-0616	LF	20" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	268.90	145.70
		<i>For 3" WG (Class B), Add</i>		36.43	
		<i>For 4" Or 6" WG (Class A), Add</i>		77.71	
		<i>For 10" WG (Class A), Add</i>		111.71	
		<i>For Work In Restricted Working Space, Add</i>		72.86	
23 31 13 13-0617	LF	20" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	277.05	150.13
		<i>For 3" WG (Class B), Add</i>		37.53	
		<i>For 4" Or 6" WG (Class A), Add</i>		80.06	
		<i>For 10" WG (Class A), Add</i>		115.09	
		<i>For Work In Restricted Working Space, Add</i>		75.06	
23 31 13 13-0618	LF	22" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	179.27	97.14
		<i>For 3" WG (Class B), Add</i>		24.28	
		<i>For 4" Or 6" WG (Class A), Add</i>		51.80	
		<i>For 10" WG (Class A), Add</i>		74.47	
		<i>For Work In Restricted Working Space, Add</i>		48.57	
23 31 13 13-0619	LF	22" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	187.41	101.55
		<i>For 3" WG (Class B), Add</i>		25.39	
		<i>For 4" Or 6" WG (Class A), Add</i>		54.16	
		<i>For 10" WG (Class A), Add</i>		77.86	
		<i>For Work In Restricted Working Space, Add</i>		50.78	
23 31 13 13-0620	LF	22" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	195.58	105.97
		<i>For 3" WG (Class B), Add</i>		26.49	
		<i>For 4" Or 6" WG (Class A), Add</i>		56.52	
		<i>For 10" WG (Class A), Add</i>		81.25	
		<i>For Work In Restricted Working Space, Add</i>		52.99	
23 31 13 13-0621	LF	22" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	203.71	110.38
		<i>For 3" WG (Class B), Add</i>		27.60	
		<i>For 4" Or 6" WG (Class A), Add</i>		58.87	
		<i>For 10" WG (Class A), Add</i>		84.63	
		<i>For Work In Restricted Working Space, Add</i>		55.19	
23 31 13 13-0622	LF	22" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	211.87	114.81
		<i>For 3" WG (Class B), Add</i>		28.70	
		<i>For 4" Or 6" WG (Class A), Add</i>		61.23	
		<i>For 10" WG (Class A), Add</i>		88.02	
		<i>For Work In Restricted Working Space, Add</i>		57.40	
23 31 13 13-0623	LF	22" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	220.02	119.21
		<i>For 3" WG (Class B), Add</i>		29.80	
		<i>For 4" Or 6" WG (Class A), Add</i>		63.58	
		<i>For 10" WG (Class A), Add</i>		91.40	
		<i>For Work In Restricted Working Space, Add</i>		59.61	
23 31 13 13-0624	LF	22" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	228.16	123.63
		<i>For 3" WG (Class B), Add</i>		30.91	
		<i>For 4" Or 6" WG (Class A), Add</i>		65.94	
		<i>For 10" WG (Class A), Add</i>		94.78	
		<i>For Work In Restricted Working Space, Add</i>		61.82	
23 31 13 13-0625	LF	22" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	236.30	128.05
		<i>For 3" WG (Class B), Add</i>		32.01	
		<i>For 4" Or 6" WG (Class A), Add</i>		68.29	
		<i>For 10" WG (Class A), Add</i>		98.16	
		<i>For Work In Restricted Working Space, Add</i>		64.02	
23 31 13 13-0626	LF	22" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	244.48	132.46
		<i>For 3" WG (Class B), Add</i>		33.12	
		<i>For 4" Or 6" WG (Class A), Add</i>		70.65	
		<i>For 10" WG (Class A), Add</i>		101.56	
		<i>For Work In Restricted Working Space, Add</i>		66.23	
23 31 13 13-0627	LF	22" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	252.61	136.87
		<i>For 3" WG (Class B), Add</i>		34.22	
		<i>For 4" Or 6" WG (Class A), Add</i>		73.00	
		<i>For 10" WG (Class A), Add</i>		104.94	
		<i>For Work In Restricted Working Space, Add</i>		68.44	
23 31 13 13-0628	LF	22" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	260.76	141.30
		<i>For 3" WG (Class B), Add</i>		35.32	
		<i>For 4" Or 6" WG (Class A), Add</i>		75.36	
		<i>For 10" WG (Class A), Add</i>		108.33	
		<i>For Work In Restricted Working Space, Add</i>		70.65	
23 31 13 13-0629	LF	22" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	268.90	145.70
		<i>For 3" WG (Class B), Add</i>		36.43	
		<i>For 4" Or 6" WG (Class A), Add</i>		77.71	
		<i>For 10" WG (Class A), Add</i>		111.71	
		<i>For Work In Restricted Working Space, Add</i>		72.86	
23 31 13 13-0630	LF	22" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	277.05	150.13
		<i>For 3" WG (Class B), Add</i>		37.53	
		<i>For 4" Or 6" WG (Class A), Add</i>		80.06	
		<i>For 10" WG (Class A), Add</i>		115.09	
		<i>For Work In Restricted Working Space, Add</i>		75.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0631	LF	22" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	285.21	154.54
			For 3" WG (Class B), Add	38.64	
			For 4" Or 6" WG (Class A), Add	82.42	
			For 10" WG (Class A), Add	118.48	
			For Work In Restricted Working Space, Add	77.27	
23 31 13	13-0632	LF	24" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	195.58	105.97
			For 3" WG (Class B), Add	26.49	
			For 4" Or 6" WG (Class A), Add	56.52	
			For 10" WG (Class A), Add	81.25	
			For Work In Restricted Working Space, Add	52.99	
23 31 13	13-0633	LF	24" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	203.71	110.38
			For 3" WG (Class B), Add	27.60	
			For 4" Or 6" WG (Class A), Add	58.87	
			For 10" WG (Class A), Add	84.63	
			For Work In Restricted Working Space, Add	55.19	
23 31 13	13-0634	LF	24" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	211.87	114.81
			For 3" WG (Class B), Add	28.70	
			For 4" Or 6" WG (Class A), Add	61.23	
			For 10" WG (Class A), Add	88.02	
			For Work In Restricted Working Space, Add	57.40	
23 31 13	13-0635	LF	24" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	220.02	119.21
			For 3" WG (Class B), Add	29.80	
			For 4" Or 6" WG (Class A), Add	63.58	
			For 10" WG (Class A), Add	91.40	
			For Work In Restricted Working Space, Add	59.61	
23 31 13	13-0636	LF	24" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	228.16	123.63
			For 3" WG (Class B), Add	30.91	
			For 4" Or 6" WG (Class A), Add	65.94	
			For 10" WG (Class A), Add	94.78	
			For Work In Restricted Working Space, Add	61.82	
23 31 13	13-0637	LF	24" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	236.30	128.05
			For 3" WG (Class B), Add	32.01	
			For 4" Or 6" WG (Class A), Add	68.29	
			For 10" WG (Class A), Add	98.16	
			For Work In Restricted Working Space, Add	64.02	
23 31 13	13-0638	LF	24" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	244.48	132.46
			For 3" WG (Class B), Add	33.12	
			For 4" Or 6" WG (Class A), Add	70.65	
			For 10" WG (Class A), Add	101.56	
			For Work In Restricted Working Space, Add	66.23	
23 31 13	13-0639	LF	24" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	252.61	136.87
			For 3" WG (Class B), Add	34.22	
			For 4" Or 6" WG (Class A), Add	73.00	
			For 10" WG (Class A), Add	104.94	
			For Work In Restricted Working Space, Add	68.44	
23 31 13	13-0640	LF	24" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	260.76	141.30
			For 3" WG (Class B), Add	35.32	
			For 4" Or 6" WG (Class A), Add	75.36	
			For 10" WG (Class A), Add	108.33	
			For Work In Restricted Working Space, Add	70.65	
23 31 13	13-0641	LF	24" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	268.90	145.70
			For 3" WG (Class B), Add	36.43	
			For 4" Or 6" WG (Class A), Add	77.71	
			For 10" WG (Class A), Add	111.71	
			For Work In Restricted Working Space, Add	72.86	
23 31 13	13-0642	LF	24" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	277.05	150.13
			For 3" WG (Class B), Add	37.53	
			For 4" Or 6" WG (Class A), Add	80.06	
			For 10" WG (Class A), Add	115.09	
			For Work In Restricted Working Space, Add	75.06	
23 31 13	13-0643	LF	24" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	285.21	154.54
			For 3" WG (Class B), Add	38.64	
			For 4" Or 6" WG (Class A), Add	82.42	
			For 10" WG (Class A), Add	118.48	
			For Work In Restricted Working Space, Add	77.27	
23 31 13	13-0644	LF	24" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	293.34	158.96
			For 3" WG (Class B), Add	39.74	
			For 4" Or 6" WG (Class A), Add	84.77	
			For 10" WG (Class A), Add	121.86	
			For Work In Restricted Working Space, Add	79.48	
23 31 13	13-0645	LF	26" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	211.87	114.81
			For 3" WG (Class B), Add	28.70	
			For 4" Or 6" WG (Class A), Add	61.23	
			For 10" WG (Class A), Add	88.02	
			For Work In Restricted Working Space, Add	57.40	
23 31 13	13-0646	LF	26" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	220.02	119.21
			For 3" WG (Class B), Add	29.80	
			For 4" Or 6" WG (Class A), Add	63.58	
			For 10" WG (Class A), Add	91.40	
			For Work In Restricted Working Space, Add	59.61	
23 31 13	13-0647	LF	26" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	228.16	123.63
			For 3" WG (Class B), Add	30.91	
			For 4" Or 6" WG (Class A), Add	65.94	
			For 10" WG (Class A), Add	94.78	
			For Work In Restricted Working Space, Add	61.82	
23 31 13	13-0648	LF	26" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	236.30	128.05
			For 3" WG (Class B), Add	32.01	
			For 4" Or 6" WG (Class A), Add	68.29	
			For 10" WG (Class A), Add	98.16	
			For Work In Restricted Working Space, Add	64.02	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0649	LF	26" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	244.48	132.46
		<i>For 3" WG (Class B), Add</i>		33.12	
		<i>For 4" Or 6" WG (Class A), Add</i>		70.65	
		<i>For 10" WG (Class A), Add</i>		101.56	
		<i>For Work In Restricted Working Space, Add</i>		66.23	
23 31 13 13-0650	LF	26" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	252.61	136.87
		<i>For 3" WG (Class B), Add</i>		34.22	
		<i>For 4" Or 6" WG (Class A), Add</i>		73.00	
		<i>For 10" WG (Class A), Add</i>		104.94	
		<i>For Work In Restricted Working Space, Add</i>		68.44	
23 31 13 13-0651	LF	26" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	260.76	141.30
		<i>For 3" WG (Class B), Add</i>		35.32	
		<i>For 4" Or 6" WG (Class A), Add</i>		75.36	
		<i>For 10" WG (Class A), Add</i>		108.33	
		<i>For Work In Restricted Working Space, Add</i>		70.65	
23 31 13 13-0652	LF	26" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	268.90	145.70
		<i>For 3" WG (Class B), Add</i>		36.43	
		<i>For 4" Or 6" WG (Class A), Add</i>		77.71	
		<i>For 10" WG (Class A), Add</i>		111.71	
		<i>For Work In Restricted Working Space, Add</i>		72.86	
23 31 13 13-0653	LF	26" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	277.05	150.13
		<i>For 3" WG (Class B), Add</i>		37.53	
		<i>For 4" Or 6" WG (Class A), Add</i>		80.06	
		<i>For 10" WG (Class A), Add</i>		115.09	
		<i>For Work In Restricted Working Space, Add</i>		75.06	
23 31 13 13-0654	LF	26" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	285.21	154.54
		<i>For 3" WG (Class B), Add</i>		38.64	
		<i>For 4" Or 6" WG (Class A), Add</i>		82.42	
		<i>For 10" WG (Class A), Add</i>		118.48	
		<i>For Work In Restricted Working Space, Add</i>		77.27	
23 31 13 13-0655	LF	26" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	293.34	158.96
		<i>For 3" WG (Class B), Add</i>		39.74	
		<i>For 4" Or 6" WG (Class A), Add</i>		84.77	
		<i>For 10" WG (Class A), Add</i>		121.86	
		<i>For Work In Restricted Working Space, Add</i>		79.48	
23 31 13 13-0656	LF	26" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	301.51	163.37
		<i>For 3" WG (Class B), Add</i>		40.84	
		<i>For 4" Or 6" WG (Class A), Add</i>		87.13	
		<i>For 10" WG (Class A), Add</i>		125.25	
		<i>For Work In Restricted Working Space, Add</i>		81.69	
23 31 13 13-0657	LF	28" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	228.16	123.63
		<i>For 3" WG (Class B), Add</i>		30.91	
		<i>For 4" Or 6" WG (Class A), Add</i>		65.94	
		<i>For 10" WG (Class A), Add</i>		94.78	
		<i>For Work In Restricted Working Space, Add</i>		61.82	
23 31 13 13-0658	LF	28" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	236.30	128.05
		<i>For 3" WG (Class B), Add</i>		32.01	
		<i>For 4" Or 6" WG (Class A), Add</i>		68.29	
		<i>For 10" WG (Class A), Add</i>		98.16	
		<i>For Work In Restricted Working Space, Add</i>		64.02	
23 31 13 13-0659	LF	28" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	244.48	132.46
		<i>For 3" WG (Class B), Add</i>		33.12	
		<i>For 4" Or 6" WG (Class A), Add</i>		70.65	
		<i>For 10" WG (Class A), Add</i>		101.56	
		<i>For Work In Restricted Working Space, Add</i>		66.23	
23 31 13 13-0660	LF	28" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	252.61	136.87
		<i>For 3" WG (Class B), Add</i>		34.22	
		<i>For 4" Or 6" WG (Class A), Add</i>		73.00	
		<i>For 10" WG (Class A), Add</i>		104.94	
		<i>For Work In Restricted Working Space, Add</i>		68.44	
23 31 13 13-0661	LF	28" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	260.76	141.30
		<i>For 3" WG (Class B), Add</i>		35.32	
		<i>For 4" Or 6" WG (Class A), Add</i>		75.36	
		<i>For 10" WG (Class A), Add</i>		108.33	
		<i>For Work In Restricted Working Space, Add</i>		70.65	
23 31 13 13-0662	LF	28" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	268.90	145.70
		<i>For 3" WG (Class B), Add</i>		36.43	
		<i>For 4" Or 6" WG (Class A), Add</i>		77.71	
		<i>For 10" WG (Class A), Add</i>		111.71	
		<i>For Work In Restricted Working Space, Add</i>		72.86	
23 31 13 13-0663	LF	28" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	277.05	150.13
		<i>For 3" WG (Class B), Add</i>		37.53	
		<i>For 4" Or 6" WG (Class A), Add</i>		80.06	
		<i>For 10" WG (Class A), Add</i>		115.09	
		<i>For Work In Restricted Working Space, Add</i>		75.06	
23 31 13 13-0664	LF	28" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	285.21	154.54
		<i>For 3" WG (Class B), Add</i>		38.64	
		<i>For 4" Or 6" WG (Class A), Add</i>		82.42	
		<i>For 10" WG (Class A), Add</i>		118.48	
		<i>For Work In Restricted Working Space, Add</i>		77.27	
23 31 13 13-0665	LF	28" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	293.34	158.96
		<i>For 3" WG (Class B), Add</i>		39.74	
		<i>For 4" Or 6" WG (Class A), Add</i>		84.77	
		<i>For 10" WG (Class A), Add</i>		121.86	
		<i>For Work In Restricted Working Space, Add</i>		79.48	
23 31 13 13-0666	LF	28" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	301.51	163.37
		<i>For 3" WG (Class B), Add</i>		40.84	
		<i>For 4" Or 6" WG (Class A), Add</i>		87.13	
		<i>For 10" WG (Class A), Add</i>		125.25	
		<i>For Work In Restricted Working Space, Add</i>		81.69	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0667	LF	28" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	309.64	167.79
			For 3" WG (Class B), Add	41.95	
			For 4" Or 6" WG (Class A), Add	89.48	
			For 10" WG (Class A), Add	128.63	
			For Work In Restricted Working Space, Add	83.89	
23 31 13	13-0668	LF	30" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	244.48	132.46
			For 3" WG (Class B), Add	33.12	
			For 4" Or 6" WG (Class A), Add	70.65	
			For 10" WG (Class A), Add	101.56	
			For Work In Restricted Working Space, Add	66.23	
23 31 13	13-0669	LF	30" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	252.61	136.87
			For 3" WG (Class B), Add	34.22	
			For 4" Or 6" WG (Class A), Add	73.00	
			For 10" WG (Class A), Add	104.94	
			For Work In Restricted Working Space, Add	68.44	
23 31 13	13-0670	LF	30" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	260.76	141.30
			For 3" WG (Class B), Add	35.32	
			For 4" Or 6" WG (Class A), Add	75.36	
			For 10" WG (Class A), Add	108.33	
			For Work In Restricted Working Space, Add	70.65	
23 31 13	13-0671	LF	30" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	268.90	145.70
			For 3" WG (Class B), Add	36.43	
			For 4" Or 6" WG (Class A), Add	77.71	
			For 10" WG (Class A), Add	111.71	
			For Work In Restricted Working Space, Add	72.86	
23 31 13	13-0672	LF	30" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	277.05	150.13
			For 3" WG (Class B), Add	37.53	
			For 4" Or 6" WG (Class A), Add	80.06	
			For 10" WG (Class A), Add	115.09	
			For Work In Restricted Working Space, Add	75.06	
23 31 13	13-0673	LF	30" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	285.21	154.54
			For 3" WG (Class B), Add	38.64	
			For 4" Or 6" WG (Class A), Add	82.42	
			For 10" WG (Class A), Add	118.48	
			For Work In Restricted Working Space, Add	77.27	
23 31 13	13-0674	LF	30" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	293.34	158.96
			For 3" WG (Class B), Add	39.74	
			For 4" Or 6" WG (Class A), Add	84.77	
			For 10" WG (Class A), Add	121.86	
			For Work In Restricted Working Space, Add	79.48	
23 31 13	13-0675	LF	30" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	301.51	163.37
			For 3" WG (Class B), Add	40.84	
			For 4" Or 6" WG (Class A), Add	87.13	
			For 10" WG (Class A), Add	125.25	
			For Work In Restricted Working Space, Add	81.69	
23 31 13	13-0676	LF	30" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	309.64	167.79
			For 3" WG (Class B), Add	41.95	
			For 4" Or 6" WG (Class A), Add	89.48	
			For 10" WG (Class A), Add	128.63	
			For Work In Restricted Working Space, Add	83.89	
23 31 13	13-0677	LF	30" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	317.79	172.20
			For 3" WG (Class B), Add	43.05	
			For 4" Or 6" WG (Class A), Add	91.84	
			For 10" WG (Class A), Add	132.02	
			For Work In Restricted Working Space, Add	86.10	
23 31 13	13-0678	LF	32" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	260.76	141.30
			For 3" WG (Class B), Add	35.32	
			For 4" Or 6" WG (Class A), Add	75.36	
			For 10" WG (Class A), Add	108.33	
			For Work In Restricted Working Space, Add	70.65	
23 31 13	13-0679	LF	32" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	268.90	145.70
			For 3" WG (Class B), Add	36.43	
			For 4" Or 6" WG (Class A), Add	77.71	
			For 10" WG (Class A), Add	111.71	
			For Work In Restricted Working Space, Add	72.86	
23 31 13	13-0680	LF	32" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	277.05	150.13
			For 3" WG (Class B), Add	37.53	
			For 4" Or 6" WG (Class A), Add	80.06	
			For 10" WG (Class A), Add	115.09	
			For Work In Restricted Working Space, Add	75.06	
23 31 13	13-0681	LF	32" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	285.21	154.54
			For 3" WG (Class B), Add	38.64	
			For 4" Or 6" WG (Class A), Add	82.42	
			For 10" WG (Class A), Add	118.48	
			For Work In Restricted Working Space, Add	77.27	
23 31 13	13-0682	LF	32" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	293.34	158.96
			For 3" WG (Class B), Add	39.74	
			For 4" Or 6" WG (Class A), Add	84.77	
			For 10" WG (Class A), Add	121.86	
			For Work In Restricted Working Space, Add	79.48	
23 31 13	13-0683	LF	32" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	301.51	163.37
			For 3" WG (Class B), Add	40.84	
			For 4" Or 6" WG (Class A), Add	87.13	
			For 10" WG (Class A), Add	125.25	
			For Work In Restricted Working Space, Add	81.69	
23 31 13	13-0684	LF	32" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	309.64	167.79
			For 3" WG (Class B), Add	41.95	
			For 4" Or 6" WG (Class A), Add	89.48	
			For 10" WG (Class A), Add	128.63	
			For Work In Restricted Working Space, Add	83.89	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0685	LF		32" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	317.79	172.20
			For 3" WG (Class B), Add	43.05	
			For 4" Or 6" WG (Class A), Add	91.84	
			For 10" WG (Class A), Add	132.02	
			For Work In Restricted Working Space, Add	86.10	
23 31 13 13-0686	LF		32" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	325.95	176.63
			For 3" WG (Class B), Add	44.15	
			For 4" Or 6" WG (Class A), Add	94.20	
			For 10" WG (Class A), Add	135.41	
			For Work In Restricted Working Space, Add	88.31	
23 31 13 13-0687	LF		34" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	277.05	150.13
			For 3" WG (Class B), Add	37.53	
			For 4" Or 6" WG (Class A), Add	80.06	
			For 10" WG (Class A), Add	115.09	
			For Work In Restricted Working Space, Add	75.06	
23 31 13 13-0688	LF		34" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	285.21	154.54
			For 3" WG (Class B), Add	38.64	
			For 4" Or 6" WG (Class A), Add	82.42	
			For 10" WG (Class A), Add	118.48	
			For Work In Restricted Working Space, Add	77.27	
23 31 13 13-0689	LF		34" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	293.34	158.96
			For 3" WG (Class B), Add	39.74	
			For 4" Or 6" WG (Class A), Add	84.77	
			For 10" WG (Class A), Add	121.86	
			For Work In Restricted Working Space, Add	79.48	
23 31 13 13-0690	LF		34" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	301.51	163.37
			For 3" WG (Class B), Add	40.84	
			For 4" Or 6" WG (Class A), Add	87.13	
			For 10" WG (Class A), Add	125.25	
			For Work In Restricted Working Space, Add	81.69	
23 31 13 13-0691	LF		34" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	309.64	167.79
			For 3" WG (Class B), Add	41.95	
			For 4" Or 6" WG (Class A), Add	89.48	
			For 10" WG (Class A), Add	128.63	
			For Work In Restricted Working Space, Add	83.89	
23 31 13 13-0692	LF		34" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	317.79	172.20
			For 3" WG (Class B), Add	43.05	
			For 4" Or 6" WG (Class A), Add	91.84	
			For 10" WG (Class A), Add	132.02	
			For Work In Restricted Working Space, Add	86.10	
23 31 13 13-0693	LF		34" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	325.95	176.63
			For 3" WG (Class B), Add	44.15	
			For 4" Or 6" WG (Class A), Add	94.20	
			For 10" WG (Class A), Add	135.41	
			For Work In Restricted Working Space, Add	88.31	
23 31 13 13-0694	LF		34" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	334.09	181.03
			For 3" WG (Class B), Add	45.26	
			For 4" Or 6" WG (Class A), Add	96.55	
			For 10" WG (Class A), Add	138.79	
			For Work In Restricted Working Space, Add	90.52	
23 31 13 13-0695	LF		36" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	293.34	158.96
			For 3" WG (Class B), Add	39.74	
			For 4" Or 6" WG (Class A), Add	84.77	
			For 10" WG (Class A), Add	121.86	
			For Work In Restricted Working Space, Add	79.48	
23 31 13 13-0696	LF		36" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	301.51	163.37
			For 3" WG (Class B), Add	40.84	
			For 4" Or 6" WG (Class A), Add	87.13	
			For 10" WG (Class A), Add	125.25	
			For Work In Restricted Working Space, Add	81.69	
23 31 13 13-0697	LF		36" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	309.64	167.79
			For 3" WG (Class B), Add	41.95	
			For 4" Or 6" WG (Class A), Add	89.48	
			For 10" WG (Class A), Add	128.63	
			For Work In Restricted Working Space, Add	83.89	
23 31 13 13-0698	LF		36" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	317.79	172.20
			For 3" WG (Class B), Add	43.05	
			For 4" Or 6" WG (Class A), Add	91.84	
			For 10" WG (Class A), Add	132.02	
			For Work In Restricted Working Space, Add	86.10	
23 31 13 13-0699	LF		36" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	325.95	176.63
			For 3" WG (Class B), Add	44.15	
			For 4" Or 6" WG (Class A), Add	94.20	
			For 10" WG (Class A), Add	135.41	
			For Work In Restricted Working Space, Add	88.31	
23 31 13 13-0700	LF		36" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	334.09	181.03
			For 3" WG (Class B), Add	45.26	
			For 4" Or 6" WG (Class A), Add	96.55	
			For 10" WG (Class A), Add	138.79	
			For Work In Restricted Working Space, Add	90.52	
23 31 13 13-0701	LF		36" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	342.25	185.45
			For 3" WG (Class B), Add	46.36	
			For 4" Or 6" WG (Class A), Add	98.91	
			For 10" WG (Class A), Add	142.18	
			For Work In Restricted Working Space, Add	92.72	
23 31 13 13-0702	LF		38" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	309.64	167.79
			For 3" WG (Class B), Add	41.95	
			For 4" Or 6" WG (Class A), Add	89.48	
			For 10" WG (Class A), Add	128.63	
			For Work In Restricted Working Space, Add	83.89	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0703	LF	38" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	317.79 43.05 91.84 132.02 86.10	172.20
23 31 13	13-0704	LF	38" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	325.95 44.15 94.20 135.41 88.31	176.63
23 31 13	13-0705	LF	38" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	334.09 45.26 96.55 138.79 90.52	181.03
23 31 13	13-0706	LF	38" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	342.25 46.36 98.91 142.18 92.72	185.45
23 31 13	13-0707	LF	38" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	350.40 47.47 101.26 145.56 94.93	189.87
23 31 13	13-0708	LF	38" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	358.54 48.57 103.62 148.95 97.14	194.28
23 31 13	13-0709	LF	40" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	325.95 44.15 94.20 135.41 88.31	176.63
23 31 13	13-0710	LF	40" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	334.09 45.26 96.55 138.79 90.52	181.03
23 31 13	13-0711	LF	40" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	342.25 46.36 98.91 142.18 92.72	185.45
23 31 13	13-0712	LF	40" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	350.40 47.47 101.26 145.56 94.93	189.87
23 31 13	13-0713	LF	40" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	358.54 48.57 103.62 148.95 97.14	194.28
23 31 13	13-0714	LF	40" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	366.69 49.67 105.97 152.33 99.35	198.69
23 31 13	13-0715	LF	40" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	374.84 50.78 108.33 155.72 101.56	203.12
23 31 13	13-0716	LF	40" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	382.98 51.88 110.68 159.10 103.76	207.52
23 31 13	13-0717	LF	40" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	391.14 52.98 113.03 162.49 105.97	211.94
23 31 13	13-0718	LF	42" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	342.25 46.36 98.91 142.18 92.72	185.45
23 31 13	13-0719	LF	42" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	350.40 47.47 101.26 145.56 94.93	189.87
23 31 13	13-0720	LF	42" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	358.54 48.57 103.62 148.95 97.14	194.28

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0721	LF	42" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	366.69	198.69
			<i>For 3" WG (Class B), Add</i>	49.67	
			<i>For 4" Or 6" WG (Class A), Add</i>	105.97	
			<i>For 10" WG (Class A), Add</i>	152.33	
			<i>For Work In Restricted Working Space, Add</i>	99.35	
23 31 13	13-0722	LF	42" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	374.84	203.12
			<i>For 3" WG (Class B), Add</i>	50.78	
			<i>For 4" Or 6" WG (Class A), Add</i>	108.33	
			<i>For 10" WG (Class A), Add</i>	155.72	
			<i>For Work In Restricted Working Space, Add</i>	101.56	
23 31 13	13-0723	LF	42" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	382.98	207.52
			<i>For 3" WG (Class B), Add</i>	51.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	110.68	
			<i>For 10" WG (Class A), Add</i>	159.10	
			<i>For Work In Restricted Working Space, Add</i>	103.76	
23 31 13	13-0724	LF	42" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	391.14	211.94
			<i>For 3" WG (Class B), Add</i>	52.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	113.03	
			<i>For 10" WG (Class A), Add</i>	162.49	
			<i>For Work In Restricted Working Space, Add</i>	105.97	
23 31 13	13-0725	LF	42" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	399.28	216.36
			<i>For 3" WG (Class B), Add</i>	54.09	
			<i>For 4" Or 6" WG (Class A), Add</i>	115.39	
			<i>For 10" WG (Class A), Add</i>	165.87	
			<i>For Work In Restricted Working Space, Add</i>	108.18	
23 31 13	13-0726	LF	44" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	358.54	194.28
			<i>For 3" WG (Class B), Add</i>	48.57	
			<i>For 4" Or 6" WG (Class A), Add</i>	103.62	
			<i>For 10" WG (Class A), Add</i>	148.95	
			<i>For Work In Restricted Working Space, Add</i>	97.14	
23 31 13	13-0727	LF	44" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	366.69	198.69
			<i>For 3" WG (Class B), Add</i>	49.67	
			<i>For 4" Or 6" WG (Class A), Add</i>	105.97	
			<i>For 10" WG (Class A), Add</i>	152.33	
			<i>For Work In Restricted Working Space, Add</i>	99.35	
23 31 13	13-0728	LF	44" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	374.84	203.12
			<i>For 3" WG (Class B), Add</i>	50.78	
			<i>For 4" Or 6" WG (Class A), Add</i>	108.33	
			<i>For 10" WG (Class A), Add</i>	155.72	
			<i>For Work In Restricted Working Space, Add</i>	101.56	
23 31 13	13-0729	LF	44" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	382.98	207.52
			<i>For 3" WG (Class B), Add</i>	51.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	110.68	
			<i>For 10" WG (Class A), Add</i>	159.10	
			<i>For Work In Restricted Working Space, Add</i>	103.76	
23 31 13	13-0730	LF	44" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	391.14	211.94
			<i>For 3" WG (Class B), Add</i>	52.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	113.03	
			<i>For 10" WG (Class A), Add</i>	162.49	
			<i>For Work In Restricted Working Space, Add</i>	105.97	
23 31 13	13-0731	LF	44" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	399.28	216.36
			<i>For 3" WG (Class B), Add</i>	54.09	
			<i>For 4" Or 6" WG (Class A), Add</i>	115.39	
			<i>For 10" WG (Class A), Add</i>	165.87	
			<i>For Work In Restricted Working Space, Add</i>	108.18	
23 31 13	13-0732	LF	44" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	407.43	220.78
			<i>For 3" WG (Class B), Add</i>	55.19	
			<i>For 4" Or 6" WG (Class A), Add</i>	117.74	
			<i>For 10" WG (Class A), Add</i>	169.26	
			<i>For Work In Restricted Working Space, Add</i>	110.39	
23 31 13	13-0733	LF	46" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	374.84	203.12
			<i>For 3" WG (Class B), Add</i>	50.78	
			<i>For 4" Or 6" WG (Class A), Add</i>	108.33	
			<i>For 10" WG (Class A), Add</i>	155.72	
			<i>For Work In Restricted Working Space, Add</i>	101.56	
23 31 13	13-0734	LF	46" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	382.98	207.52
			<i>For 3" WG (Class B), Add</i>	51.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	110.68	
			<i>For 10" WG (Class A), Add</i>	159.10	
			<i>For Work In Restricted Working Space, Add</i>	103.76	
23 31 13	13-0735	LF	46" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	391.14	211.94
			<i>For 3" WG (Class B), Add</i>	52.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	113.03	
			<i>For 10" WG (Class A), Add</i>	162.49	
			<i>For Work In Restricted Working Space, Add</i>	105.97	
23 31 13	13-0736	LF	46" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	399.28	216.36
			<i>For 3" WG (Class B), Add</i>	54.09	
			<i>For 4" Or 6" WG (Class A), Add</i>	115.39	
			<i>For 10" WG (Class A), Add</i>	165.87	
			<i>For Work In Restricted Working Space, Add</i>	108.18	
23 31 13	13-0737	LF	46" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	407.43	220.78
			<i>For 3" WG (Class B), Add</i>	55.19	
			<i>For 4" Or 6" WG (Class A), Add</i>	117.74	
			<i>For 10" WG (Class A), Add</i>	169.26	
			<i>For Work In Restricted Working Space, Add</i>	110.39	
23 31 13	13-0738	LF	46" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	422.95	229.61
			<i>For 3" WG (Class B), Add</i>	57.40	
			<i>For 4" Or 6" WG (Class A), Add</i>	122.45	
			<i>For 10" WG (Class A), Add</i>	176.03	
			<i>For Work In Restricted Working Space, Add</i>	114.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0739	LF	46" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	431.09	234.02
			For 3" WG (Class B), Add	58.50	
			For 4" Or 6" WG (Class A), Add	124.81	
			For 10" WG (Class A), Add	179.41	
			For Work In Restricted Working Space, Add	117.01	
23 31 13	13-0740	LF	48" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	391.14	211.94
			For 3" WG (Class B), Add	52.98	
			For 4" Or 6" WG (Class A), Add	113.03	
			For 10" WG (Class A), Add	162.49	
			For Work In Restricted Working Space, Add	105.97	
23 31 13	13-0741	LF	48" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	399.28	216.36
			For 3" WG (Class B), Add	54.09	
			For 4" Or 6" WG (Class A), Add	115.39	
			For 10" WG (Class A), Add	165.87	
			For Work In Restricted Working Space, Add	108.18	
23 31 13	13-0742	LF	48" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	407.43	220.78
			For 3" WG (Class B), Add	55.19	
			For 4" Or 6" WG (Class A), Add	117.74	
			For 10" WG (Class A), Add	169.26	
			For Work In Restricted Working Space, Add	110.39	
23 31 13	13-0743	LF	48" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	415.60	225.18
			For 3" WG (Class B), Add	56.30	
			For 4" Or 6" WG (Class A), Add	120.10	
			For 10" WG (Class A), Add	172.65	
			For Work In Restricted Working Space, Add	112.60	
23 31 13	13-0744	LF	48" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	423.73	229.61
			For 3" WG (Class B), Add	57.40	
			For 4" Or 6" WG (Class A), Add	122.45	
			For 10" WG (Class A), Add	176.03	
			For Work In Restricted Working Space, Add	114.80	
23 31 13	13-0745	LF	48" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	431.89	234.02
			For 3" WG (Class B), Add	58.50	
			For 4" Or 6" WG (Class A), Add	124.81	
			For 10" WG (Class A), Add	179.41	
			For Work In Restricted Working Space, Add	117.01	
23 31 13	13-0746	LF	48" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	440.02	238.44
			For 3" WG (Class B), Add	59.61	
			For 4" Or 6" WG (Class A), Add	127.16	
			For 10" WG (Class A), Add	182.79	
			For Work In Restricted Working Space, Add	119.21	
23 31 13	13-0747	LF	50" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	407.43	220.78
			For 3" WG (Class B), Add	55.19	
			For 4" Or 6" WG (Class A), Add	117.74	
			For 10" WG (Class A), Add	169.26	
			For Work In Restricted Working Space, Add	110.39	
23 31 13	13-0748	LF	50" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	415.60	225.18
			For 3" WG (Class B), Add	56.30	
			For 4" Or 6" WG (Class A), Add	120.10	
			For 10" WG (Class A), Add	172.65	
			For Work In Restricted Working Space, Add	112.60	
23 31 13	13-0749	LF	50" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	423.73	229.61
			For 3" WG (Class B), Add	57.40	
			For 4" Or 6" WG (Class A), Add	122.45	
			For 10" WG (Class A), Add	176.03	
			For Work In Restricted Working Space, Add	114.80	
23 31 13	13-0750	LF	50" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	431.89	234.02
			For 3" WG (Class B), Add	58.50	
			For 4" Or 6" WG (Class A), Add	124.81	
			For 10" WG (Class A), Add	179.41	
			For Work In Restricted Working Space, Add	117.01	
23 31 13	13-0751	LF	50" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	440.02	238.44
			For 3" WG (Class B), Add	59.61	
			For 4" Or 6" WG (Class A), Add	127.16	
			For 10" WG (Class A), Add	182.79	
			For Work In Restricted Working Space, Add	119.21	
23 31 13	13-0752	LF	50" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	448.17	242.85
			For 3" WG (Class B), Add	60.71	
			For 4" Or 6" WG (Class A), Add	129.52	
			For 10" WG (Class A), Add	186.18	
			For Work In Restricted Working Space, Add	121.42	
23 31 13	13-0753	LF	52" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	423.73	229.61
			For 3" WG (Class B), Add	57.40	
			For 4" Or 6" WG (Class A), Add	122.45	
			For 10" WG (Class A), Add	176.03	
			For Work In Restricted Working Space, Add	114.80	
23 31 13	13-0754	LF	52" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	431.89	234.02
			For 3" WG (Class B), Add	58.50	
			For 4" Or 6" WG (Class A), Add	124.81	
			For 10" WG (Class A), Add	179.41	
			For Work In Restricted Working Space, Add	117.01	
23 31 13	13-0755	LF	52" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	440.02	238.44
			For 3" WG (Class B), Add	59.61	
			For 4" Or 6" WG (Class A), Add	127.16	
			For 10" WG (Class A), Add	182.79	
			For Work In Restricted Working Space, Add	119.21	
23 31 13	13-0756	LF	52" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	448.17	242.85
			For 3" WG (Class B), Add	60.71	
			For 4" Or 6" WG (Class A), Add	129.52	
			For 10" WG (Class A), Add	186.18	
			For Work In Restricted Working Space, Add	121.42	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0757	LF	52" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	456.35	247.27
			<i>For 3" WG (Class B), Add</i>	61.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	131.88	
			<i>For 10" WG (Class A), Add</i>	189.58	
			<i>For Work In Restricted Working Space, Add</i>	123.64	
23 31 13	13-0758	LF	54" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	440.02	238.44
			<i>For 3" WG (Class B), Add</i>	59.61	
			<i>For 4" Or 6" WG (Class A), Add</i>	127.16	
			<i>For 10" WG (Class A), Add</i>	182.79	
			<i>For Work In Restricted Working Space, Add</i>	119.21	
23 31 13	13-0759	LF	54" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	448.17	242.85
			<i>For 3" WG (Class B), Add</i>	60.71	
			<i>For 4" Or 6" WG (Class A), Add</i>	129.52	
			<i>For 10" WG (Class A), Add</i>	186.18	
			<i>For Work In Restricted Working Space, Add</i>	121.42	
23 31 13	13-0760	LF	54" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	456.35	247.27
			<i>For 3" WG (Class B), Add</i>	61.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	131.88	
			<i>For 10" WG (Class A), Add</i>	189.58	
			<i>For Work In Restricted Working Space, Add</i>	123.64	
23 31 13	13-0761	LF	54" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	464.48	251.68
			<i>For 3" WG (Class B), Add</i>	62.92	
			<i>For 4" Or 6" WG (Class A), Add</i>	134.23	
			<i>For 10" WG (Class A), Add</i>	192.96	
			<i>For Work In Restricted Working Space, Add</i>	125.84	
23 31 13	13-0762	LF	54" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	472.63	256.09
			<i>For 3" WG (Class B), Add</i>	64.02	
			<i>For 4" Or 6" WG (Class A), Add</i>	136.59	
			<i>For 10" WG (Class A), Add</i>	196.34	
			<i>For Work In Restricted Working Space, Add</i>	128.05	
23 31 13	13-0763	LF	54" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	480.76	260.51
			<i>For 3" WG (Class B), Add</i>	65.13	
			<i>For 4" Or 6" WG (Class A), Add</i>	138.94	
			<i>For 10" WG (Class A), Add</i>	199.72	
			<i>For Work In Restricted Working Space, Add</i>	130.25	
23 31 13	13-0764	LF	56" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	456.35	247.27
			<i>For 3" WG (Class B), Add</i>	61.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	131.88	
			<i>For 10" WG (Class A), Add</i>	189.58	
			<i>For Work In Restricted Working Space, Add</i>	123.64	
23 31 13	13-0765	LF	56" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	464.48	251.68
			<i>For 3" WG (Class B), Add</i>	62.92	
			<i>For 4" Or 6" WG (Class A), Add</i>	134.23	
			<i>For 10" WG (Class A), Add</i>	192.96	
			<i>For Work In Restricted Working Space, Add</i>	125.84	
23 31 13	13-0766	LF	56" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	472.63	256.09
			<i>For 3" WG (Class B), Add</i>	64.02	
			<i>For 4" Or 6" WG (Class A), Add</i>	136.59	
			<i>For 10" WG (Class A), Add</i>	196.34	
			<i>For Work In Restricted Working Space, Add</i>	128.05	
23 31 13	13-0767	LF	56" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	480.76	260.51
			<i>For 3" WG (Class B), Add</i>	65.13	
			<i>For 4" Or 6" WG (Class A), Add</i>	138.94	
			<i>For 10" WG (Class A), Add</i>	199.72	
			<i>For Work In Restricted Working Space, Add</i>	130.25	
23 31 13	13-0768	LF	56" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	488.92	264.92
			<i>For 3" WG (Class B), Add</i>	66.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	141.29	
			<i>For 10" WG (Class A), Add</i>	203.11	
			<i>For Work In Restricted Working Space, Add</i>	132.46	
23 31 13	13-0769	LF	58" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	472.63	256.09
			<i>For 3" WG (Class B), Add</i>	64.02	
			<i>For 4" Or 6" WG (Class A), Add</i>	136.59	
			<i>For 10" WG (Class A), Add</i>	196.34	
			<i>For Work In Restricted Working Space, Add</i>	128.05	
23 31 13	13-0770	LF	58" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	480.76	260.51
			<i>For 3" WG (Class B), Add</i>	65.13	
			<i>For 4" Or 6" WG (Class A), Add</i>	138.94	
			<i>For 10" WG (Class A), Add</i>	199.72	
			<i>For Work In Restricted Working Space, Add</i>	130.25	
23 31 13	13-0771	LF	58" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	488.92	264.92
			<i>For 3" WG (Class B), Add</i>	66.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	141.29	
			<i>For 10" WG (Class A), Add</i>	203.11	
			<i>For Work In Restricted Working Space, Add</i>	132.46	
23 31 13	13-0772	LF	58" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	497.06	269.34
			<i>For 3" WG (Class B), Add</i>	67.33	
			<i>For 4" Or 6" WG (Class A), Add</i>	143.64	
			<i>For 10" WG (Class A), Add</i>	206.49	
			<i>For Work In Restricted Working Space, Add</i>	134.67	
23 31 13	13-0773	LF	58" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	505.21	273.75
			<i>For 3" WG (Class B), Add</i>	68.44	
			<i>For 4" Or 6" WG (Class A), Add</i>	146.00	
			<i>For 10" WG (Class A), Add</i>	209.88	
			<i>For Work In Restricted Working Space, Add</i>	136.88	
23 31 13	13-0774	LF	60" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	488.92	264.92
			<i>For 3" WG (Class B), Add</i>	66.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	141.29	
			<i>For 10" WG (Class A), Add</i>	203.11	
			<i>For Work In Restricted Working Space, Add</i>	132.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0775	LF	60" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	497.06	269.34
			For 3" WG (Class B), Add	67.33	
			For 4" Or 6" WG (Class A), Add	143.64	
			For 10" WG (Class A), Add	206.49	
			For Work In Restricted Working Space, Add	134.67	
23 31 13	13-0776	LF	60" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	505.21	273.75
			For 3" WG (Class B), Add	68.44	
			For 4" Or 6" WG (Class A), Add	146.00	
			For 10" WG (Class A), Add	209.88	
			For Work In Restricted Working Space, Add	136.88	
23 31 13	13-0777	LF	60" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	513.38	278.17
			For 3" WG (Class B), Add	69.54	
			For 4" Or 6" WG (Class A), Add	148.36	
			For 10" WG (Class A), Add	213.27	
			For Work In Restricted Working Space, Add	139.09	
23 31 13	13-0778	LF	60" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	521.52	282.59
			For 3" WG (Class B), Add	70.65	
			For 4" Or 6" WG (Class A), Add	150.71	
			For 10" WG (Class A), Add	216.65	
			For Work In Restricted Working Space, Add	141.29	
23 31 13	13-0779	LF	62" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	505.21	273.75
			For 3" WG (Class B), Add	68.44	
			For 4" Or 6" WG (Class A), Add	146.00	
			For 10" WG (Class A), Add	209.88	
			For Work In Restricted Working Space, Add	136.88	
23 31 13	13-0780	LF	62" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	513.38	278.17
			For 3" WG (Class B), Add	69.54	
			For 4" Or 6" WG (Class A), Add	148.36	
			For 10" WG (Class A), Add	213.27	
			For Work In Restricted Working Space, Add	139.09	
23 31 13	13-0781	LF	62" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	521.52	282.59
			For 3" WG (Class B), Add	70.65	
			For 4" Or 6" WG (Class A), Add	150.71	
			For 10" WG (Class A), Add	216.65	
			For Work In Restricted Working Space, Add	141.29	
23 31 13	13-0782	LF	62" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	529.66	287.00
			For 3" WG (Class B), Add	71.75	
			For 4" Or 6" WG (Class A), Add	153.07	
			For 10" WG (Class A), Add	220.04	
			For Work In Restricted Working Space, Add	143.50	
23 31 13	13-0783	LF	62" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	537.81	291.41
			For 3" WG (Class B), Add	72.85	
			For 4" Or 6" WG (Class A), Add	155.42	
			For 10" WG (Class A), Add	223.42	
			For Work In Restricted Working Space, Add	145.71	
23 31 13	13-0784	LF	64" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	521.52	282.59
			For 3" WG (Class B), Add	70.65	
			For 4" Or 6" WG (Class A), Add	150.71	
			For 10" WG (Class A), Add	216.65	
			For Work In Restricted Working Space, Add	141.29	
23 31 13	13-0785	LF	64" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	529.66	287.00
			For 3" WG (Class B), Add	71.75	
			For 4" Or 6" WG (Class A), Add	153.07	
			For 10" WG (Class A), Add	220.04	
			For Work In Restricted Working Space, Add	143.50	
23 31 13	13-0786	LF	64" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	537.81	291.41
			For 3" WG (Class B), Add	72.85	
			For 4" Or 6" WG (Class A), Add	155.42	
			For 10" WG (Class A), Add	223.42	
			For Work In Restricted Working Space, Add	145.71	
23 31 13	13-0787	LF	64" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	545.96	295.84
			For 3" WG (Class B), Add	73.96	
			For 4" Or 6" WG (Class A), Add	157.78	
			For 10" WG (Class A), Add	226.81	
			For Work In Restricted Working Space, Add	147.92	
23 31 13	13-0788	LF	66" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	537.81	291.41
			For 3" WG (Class B), Add	72.85	
			For 4" Or 6" WG (Class A), Add	155.42	
			For 10" WG (Class A), Add	223.42	
			For Work In Restricted Working Space, Add	145.71	
23 31 13	13-0789	LF	66" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	545.96	295.84
			For 3" WG (Class B), Add	73.96	
			For 4" Or 6" WG (Class A), Add	157.78	
			For 10" WG (Class A), Add	226.81	
			For Work In Restricted Working Space, Add	147.92	
23 31 13	13-0790	LF	66" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	554.11	300.24
			For 3" WG (Class B), Add	75.06	
			For 4" Or 6" WG (Class A), Add	160.13	
			For 10" WG (Class A), Add	230.19	
			For Work In Restricted Working Space, Add	150.12	
23 31 13	13-0791	LF	66" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	562.26	304.66
			For 3" WG (Class B), Add	76.17	
			For 4" Or 6" WG (Class A), Add	162.49	
			For 10" WG (Class A), Add	233.57	
			For Work In Restricted Working Space, Add	152.33	
23 31 13	13-0792	LF	68" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	554.11	300.24
			For 3" WG (Class B), Add	75.06	
			For 4" Or 6" WG (Class A), Add	160.13	
			For 10" WG (Class A), Add	230.19	
			For Work In Restricted Working Space, Add	150.12	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0793	LF	68" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	562.26	304.66
			<i>For 3" WG (Class B), Add</i>	76.17	
			<i>For 4" Or 6" WG (Class A), Add</i>	162.49	
			<i>For 10" WG (Class A), Add</i>	233.57	
			<i>For Work In Restricted Working Space, Add</i>	152.33	
23 31 13	13-0794	LF	68" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	570.40	309.08
			<i>For 3" WG (Class B), Add</i>	77.27	
			<i>For 4" Or 6" WG (Class A), Add</i>	164.84	
			<i>For 10" WG (Class A), Add</i>	236.96	
			<i>For Work In Restricted Working Space, Add</i>	154.54	
23 31 13	13-0795	LF	68" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	578.56	313.50
			<i>For 3" WG (Class B), Add</i>	78.37	
			<i>For 4" Or 6" WG (Class A), Add</i>	167.20	
			<i>For 10" WG (Class A), Add</i>	240.35	
			<i>For Work In Restricted Working Space, Add</i>	156.75	
23 31 13	13-0796	LF	70" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	570.40	309.08
			<i>For 3" WG (Class B), Add</i>	77.27	
			<i>For 4" Or 6" WG (Class A), Add</i>	164.84	
			<i>For 10" WG (Class A), Add</i>	236.96	
			<i>For Work In Restricted Working Space, Add</i>	154.54	
23 31 13	13-0797	LF	70" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	578.56	313.50
			<i>For 3" WG (Class B), Add</i>	78.37	
			<i>For 4" Or 6" WG (Class A), Add</i>	167.20	
			<i>For 10" WG (Class A), Add</i>	240.35	
			<i>For Work In Restricted Working Space, Add</i>	156.75	
23 31 13	13-0798	LF	70" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	586.71	317.90
			<i>For 3" WG (Class B), Add</i>	79.48	
			<i>For 4" Or 6" WG (Class A), Add</i>	169.55	
			<i>For 10" WG (Class A), Add</i>	243.73	
			<i>For Work In Restricted Working Space, Add</i>	158.96	
23 31 13	13-0799	LF	70" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	594.85	322.33
			<i>For 3" WG (Class B), Add</i>	80.58	
			<i>For 4" Or 6" WG (Class A), Add</i>	171.91	
			<i>For 10" WG (Class A), Add</i>	247.12	
			<i>For Work In Restricted Working Space, Add</i>	161.16	
23 31 13	13-0800	LF	70" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	603.01	326.74
			<i>For 3" WG (Class B), Add</i>	81.69	
			<i>For 4" Or 6" WG (Class A), Add</i>	174.26	
			<i>For 10" WG (Class A), Add</i>	250.50	
			<i>For Work In Restricted Working Space, Add</i>	163.37	
23 31 13	13-0801	LF	70" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	611.14	331.15
			<i>For 3" WG (Class B), Add</i>	82.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	176.61	
			<i>For 10" WG (Class A), Add</i>	253.88	
			<i>For Work In Restricted Working Space, Add</i>	165.58	
23 31 13	13-0802	LF	70" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	619.30	335.57
			<i>For 3" WG (Class B), Add</i>	83.89	
			<i>For 4" Or 6" WG (Class A), Add</i>	178.97	
			<i>For 10" WG (Class A), Add</i>	257.27	
			<i>For Work In Restricted Working Space, Add</i>	167.79	
23 31 13	13-0803	LF	70" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	627.45	339.99
			<i>For 3" WG (Class B), Add</i>	85.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	181.32	
			<i>For 10" WG (Class A), Add</i>	260.65	
			<i>For Work In Restricted Working Space, Add</i>	169.99	
23 31 13	13-0804	LF	72" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	586.71	317.90
			<i>For 3" WG (Class B), Add</i>	79.48	
			<i>For 4" Or 6" WG (Class A), Add</i>	169.55	
			<i>For 10" WG (Class A), Add</i>	243.73	
			<i>For Work In Restricted Working Space, Add</i>	158.96	
23 31 13	13-0805	LF	72" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	594.85	322.33
			<i>For 3" WG (Class B), Add</i>	80.58	
			<i>For 4" Or 6" WG (Class A), Add</i>	171.91	
			<i>For 10" WG (Class A), Add</i>	247.12	
			<i>For Work In Restricted Working Space, Add</i>	161.16	
23 31 13	13-0806	LF	72" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	603.01	326.74
			<i>For 3" WG (Class B), Add</i>	81.69	
			<i>For 4" Or 6" WG (Class A), Add</i>	174.26	
			<i>For 10" WG (Class A), Add</i>	250.50	
			<i>For Work In Restricted Working Space, Add</i>	163.37	
23 31 13	13-0807	LF	72" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	611.14	331.15
			<i>For 3" WG (Class B), Add</i>	82.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	176.61	
			<i>For 10" WG (Class A), Add</i>	253.88	
			<i>For Work In Restricted Working Space, Add</i>	165.58	
23 31 13	13-0808	LF	72" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	619.30	335.57
			<i>For 3" WG (Class B), Add</i>	83.89	
			<i>For 4" Or 6" WG (Class A), Add</i>	178.97	
			<i>For 10" WG (Class A), Add</i>	257.27	
			<i>For Work In Restricted Working Space, Add</i>	167.79	
23 31 13	13-0809	LF	72" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	627.45	339.99
			<i>For 3" WG (Class B), Add</i>	85.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	181.32	
			<i>For 10" WG (Class A), Add</i>	260.65	
			<i>For Work In Restricted Working Space, Add</i>	169.99	
23 31 13	13-0810	LF	72" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	635.60	344.40
			<i>For 3" WG (Class B), Add</i>	86.10	
			<i>For 4" Or 6" WG (Class A), Add</i>	183.68	
			<i>For 10" WG (Class A), Add</i>	264.04	
			<i>For Work In Restricted Working Space, Add</i>	172.20	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0811	LF	74" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	603.01 81.69 174.26 250.50 163.37	326.74
23 31 13	13-0812	LF	74" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	611.14 82.79 176.61 253.88 165.58	331.15
23 31 13	13-0813	LF	74" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	619.30 83.89 178.97 257.27 167.79	335.57
23 31 13	13-0814	LF	74" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	627.45 85.00 181.32 260.65 169.99	339.99
23 31 13	13-0815	LF	74" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	635.60 86.10 183.68 264.04 172.20	344.40
23 31 13	13-0816	LF	74" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	643.76 87.21 186.04 267.43 174.41	348.82
23 31 13	13-0817	LF	76" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	619.30 83.89 178.97 257.27 167.79	335.57
23 31 13	13-0818	LF	76" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	627.45 85.00 181.32 260.65 169.99	339.99
23 31 13	13-0819	LF	76" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	635.60 86.10 183.68 264.04 172.20	344.40
23 31 13	13-0820	LF	76" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	643.76 87.21 186.04 267.43 174.41	348.82
23 31 13	13-0821	LF	76" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	651.89 88.31 188.39 270.81 176.62	353.23
23 31 13	13-0822	LF	78" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	635.60 86.10 183.68 264.04 172.20	344.40
23 31 13	13-0823	LF	78" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	643.76 87.21 186.04 267.43 174.41	348.82
23 31 13	13-0824	LF	78" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	651.89 88.31 188.39 270.81 176.62	353.23
23 31 13	13-0825	LF	78" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	660.04 89.41 190.75 274.20 178.82	357.65
23 31 13	13-0826	LF	80" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	651.89 88.31 188.39 270.81 176.62	353.23
23 31 13	13-0827	LF	80" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	660.04 89.41 190.75 274.20 178.82	357.65
23 31 13	13-0828	LF	80" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	668.19 90.51 193.10 277.58 181.03	362.06

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0829	LF	82" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	668.19	362.06
			For 3" WG (Class B), Add	90.51	
			For 4" Or 6" WG (Class A), Add	193.10	
			For 10" WG (Class A), Add	277.58	
			For Work In Restricted Working Space, Add	181.03	
23 31 13	13-0830	LF	82" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	676.35	366.48
			For 3" WG (Class B), Add	91.62	
			For 4" Or 6" WG (Class A), Add	195.46	
			For 10" WG (Class A), Add	280.97	
			For Work In Restricted Working Space, Add	183.24	
23 31 13	13-0831	LF	84" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	684.49	370.89
			For 3" WG (Class B), Add	92.72	
			For 4" Or 6" WG (Class A), Add	197.81	
			For 10" WG (Class A), Add	284.35	
			For Work In Restricted Working Space, Add	185.45	
<b>23 31 13 13-0832 18 Gauge Galvanized Steel Metal Ductwork (23.31 13 13-0014)</b>					
23 31 13	13-0833	LF	4" x 4", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	42.45	22.99
			For 3" WG (Class B), Add	5.75	
			For 4" Or 6" WG (Class A), Add	12.27	
			For 10" WG (Class A), Add	17.63	
			For Work In Restricted Working Space, Add	11.50	
23 31 13	13-0834	LF	4" x 6", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	53.05	28.74
			For 3" WG (Class B), Add	7.19	
			For 4" Or 6" WG (Class A), Add	15.33	
			For 10" WG (Class A), Add	22.04	
			For Work In Restricted Working Space, Add	14.37	
23 31 13	13-0835	LF	4" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	63.65	34.50
			For 3" WG (Class B), Add	8.62	
			For 4" Or 6" WG (Class A), Add	18.39	
			For 10" WG (Class A), Add	26.44	
			For Work In Restricted Working Space, Add	17.24	
23 31 13	13-0836	LF	4" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	74.26	40.24
			For 3" WG (Class B), Add	10.06	
			For 4" Or 6" WG (Class A), Add	21.46	
			For 10" WG (Class A), Add	30.85	
			For Work In Restricted Working Space, Add	20.12	
23 31 13	13-0837	LF	4" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	84.88	45.99
			For 3" WG (Class B), Add	11.50	
			For 4" Or 6" WG (Class A), Add	24.53	
			For 10" WG (Class A), Add	35.26	
			For Work In Restricted Working Space, Add	23.00	
23 31 13	13-0838	LF	4" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	95.48	51.74
			For 3" WG (Class B), Add	12.93	
			For 4" Or 6" WG (Class A), Add	27.59	
			For 10" WG (Class A), Add	39.66	
			For Work In Restricted Working Space, Add	25.87	
23 31 13	13-0839	LF	4" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	106.09	57.48
			For 3" WG (Class B), Add	14.37	
			For 4" Or 6" WG (Class A), Add	30.66	
			For 10" WG (Class A), Add	44.07	
			For Work In Restricted Working Space, Add	28.74	
23 31 13	13-0840	LF	6" x 6", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	63.65	34.50
			For 3" WG (Class B), Add	8.62	
			For 4" Or 6" WG (Class A), Add	18.39	
			For 10" WG (Class A), Add	26.44	
			For Work In Restricted Working Space, Add	17.24	
23 31 13	13-0841	LF	6" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	74.26	40.24
			For 3" WG (Class B), Add	10.06	
			For 4" Or 6" WG (Class A), Add	21.46	
			For 10" WG (Class A), Add	30.85	
			For Work In Restricted Working Space, Add	20.12	
23 31 13	13-0842	LF	6" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	84.88	45.99
			For 3" WG (Class B), Add	11.50	
			For 4" Or 6" WG (Class A), Add	24.53	
			For 10" WG (Class A), Add	35.26	
			For Work In Restricted Working Space, Add	23.00	
23 31 13	13-0843	LF	6" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	95.48	51.74
			For 3" WG (Class B), Add	12.93	
			For 4" Or 6" WG (Class A), Add	27.59	
			For 10" WG (Class A), Add	39.66	
			For Work In Restricted Working Space, Add	25.87	
23 31 13	13-0844	LF	6" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	106.09	57.48
			For 3" WG (Class B), Add	14.37	
			For 4" Or 6" WG (Class A), Add	30.66	
			For 10" WG (Class A), Add	44.07	
			For Work In Restricted Working Space, Add	28.74	
23 31 13	13-0845	LF	6" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	116.71	63.24
			For 3" WG (Class B), Add	15.81	
			For 4" Or 6" WG (Class A), Add	33.73	
			For 10" WG (Class A), Add	48.48	
			For Work In Restricted Working Space, Add	31.62	
23 31 13	13-0846	LF	8" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	84.88	45.99
			For 3" WG (Class B), Add	11.50	
			For 4" Or 6" WG (Class A), Add	24.53	
			For 10" WG (Class A), Add	35.26	
			For Work In Restricted Working Space, Add	23.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0847	LF	8" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	95.48	51.74
			For 3" WG (Class B), Add	12.93	
			For 4" Or 6" WG (Class A), Add	27.59	
			For 10" WG (Class A), Add	39.66	
			For Work In Restricted Working Space, Add	25.87	
23 31 13	13-0848	LF	8" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	106.09	57.48
			For 3" WG (Class B), Add	14.37	
			For 4" Or 6" WG (Class A), Add	30.66	
			For 10" WG (Class A), Add	44.07	
			For Work In Restricted Working Space, Add	28.74	
23 31 13	13-0849	LF	8" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	116.71	63.24
			For 3" WG (Class B), Add	15.81	
			For 4" Or 6" WG (Class A), Add	33.73	
			For 10" WG (Class A), Add	48.48	
			For Work In Restricted Working Space, Add	31.62	
23 31 13	13-0850	LF	8" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.30	68.98
			For 3" WG (Class B), Add	17.25	
			For 4" Or 6" WG (Class A), Add	36.79	
			For 10" WG (Class A), Add	52.89	
			For Work In Restricted Working Space, Add	34.49	
23 31 13	13-0851	LF	8" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	137.92	74.72
			For 3" WG (Class B), Add	18.68	
			For 4" Or 6" WG (Class A), Add	39.86	
			For 10" WG (Class A), Add	57.29	
			For Work In Restricted Working Space, Add	37.37	
23 31 13	13-0852	LF	8" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	148.53	80.48
			For 3" WG (Class B), Add	20.12	
			For 4" Or 6" WG (Class A), Add	42.92	
			For 10" WG (Class A), Add	61.70	
			For Work In Restricted Working Space, Add	40.24	
23 31 13	13-0853	LF	8" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.13	86.22
			For 3" WG (Class B), Add	21.56	
			For 4" Or 6" WG (Class A), Add	45.99	
			For 10" WG (Class A), Add	66.11	
			For Work In Restricted Working Space, Add	43.11	
23 31 13	13-0854	LF	8" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	169.74	91.98
			For 3" WG (Class B), Add	22.99	
			For 4" Or 6" WG (Class A), Add	49.05	
			For 10" WG (Class A), Add	70.51	
			For Work In Restricted Working Space, Add	45.99	
23 31 13	13-0855	LF	10" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	106.09	57.48
			For 3" WG (Class B), Add	14.37	
			For 4" Or 6" WG (Class A), Add	30.66	
			For 10" WG (Class A), Add	44.07	
			For Work In Restricted Working Space, Add	28.74	
23 31 13	13-0856	LF	10" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	116.71	63.24
			For 3" WG (Class B), Add	15.81	
			For 4" Or 6" WG (Class A), Add	33.73	
			For 10" WG (Class A), Add	48.48	
			For Work In Restricted Working Space, Add	31.62	
23 31 13	13-0857	LF	10" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.30	68.98
			For 3" WG (Class B), Add	17.25	
			For 4" Or 6" WG (Class A), Add	36.79	
			For 10" WG (Class A), Add	52.89	
			For Work In Restricted Working Space, Add	34.49	
23 31 13	13-0858	LF	10" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	137.92	74.72
			For 3" WG (Class B), Add	18.68	
			For 4" Or 6" WG (Class A), Add	39.86	
			For 10" WG (Class A), Add	57.29	
			For Work In Restricted Working Space, Add	37.37	
23 31 13	13-0859	LF	10" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	148.53	80.48
			For 3" WG (Class B), Add	20.12	
			For 4" Or 6" WG (Class A), Add	42.92	
			For 10" WG (Class A), Add	61.70	
			For Work In Restricted Working Space, Add	40.24	
23 31 13	13-0860	LF	10" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.13	86.22
			For 3" WG (Class B), Add	21.56	
			For 4" Or 6" WG (Class A), Add	45.99	
			For 10" WG (Class A), Add	66.11	
			For Work In Restricted Working Space, Add	43.11	
23 31 13	13-0861	LF	10" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	169.74	91.98
			For 3" WG (Class B), Add	22.99	
			For 4" Or 6" WG (Class A), Add	49.05	
			For 10" WG (Class A), Add	70.51	
			For Work In Restricted Working Space, Add	45.99	
23 31 13	13-0862	LF	10" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	180.35	97.73
			For 3" WG (Class B), Add	24.43	
			For 4" Or 6" WG (Class A), Add	52.12	
			For 10" WG (Class A), Add	74.92	
			For Work In Restricted Working Space, Add	48.86	
23 31 13	13-0863	LF	10" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	190.97	103.48
			For 3" WG (Class B), Add	25.87	
			For 4" Or 6" WG (Class A), Add	55.19	
			For 10" WG (Class A), Add	79.33	
			For Work In Restricted Working Space, Add	51.74	
23 31 13	13-0864	LF	10" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	201.58	109.23
			For 3" WG (Class B), Add	27.31	
			For 4" Or 6" WG (Class A), Add	58.25	
			For 10" WG (Class A), Add	83.74	
			For Work In Restricted Working Space, Add	54.61	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0865	LF		10" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	212.18	114.97
			For 3" WG (Class B), Add	28.74	
			For 4" Or 6" WG (Class A), Add	61.32	
			For 10" WG (Class A), Add	88.15	
			For Work In Restricted Working Space, Add	57.49	
23 31 13 13-0866	LF		10" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	222.79	120.72
			For 3" WG (Class B), Add	30.18	
			For 4" Or 6" WG (Class A), Add	64.38	
			For 10" WG (Class A), Add	92.55	
			For Work In Restricted Working Space, Add	60.36	
23 31 13 13-0867	LF		12" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	127.30	68.98
			For 3" WG (Class B), Add	17.25	
			For 4" Or 6" WG (Class A), Add	36.79	
			For 10" WG (Class A), Add	52.89	
			For Work In Restricted Working Space, Add	34.49	
23 31 13 13-0868	LF		12" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	137.92	74.72
			For 3" WG (Class B), Add	18.68	
			For 4" Or 6" WG (Class A), Add	39.86	
			For 10" WG (Class A), Add	57.29	
			For Work In Restricted Working Space, Add	37.37	
23 31 13 13-0869	LF		12" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	148.53	80.48
			For 3" WG (Class B), Add	20.12	
			For 4" Or 6" WG (Class A), Add	42.92	
			For 10" WG (Class A), Add	61.70	
			For Work In Restricted Working Space, Add	40.24	
23 31 13 13-0870	LF		12" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	159.13	86.22
			For 3" WG (Class B), Add	21.56	
			For 4" Or 6" WG (Class A), Add	45.99	
			For 10" WG (Class A), Add	66.11	
			For Work In Restricted Working Space, Add	43.11	
23 31 13 13-0871	LF		12" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	169.74	91.98
			For 3" WG (Class B), Add	22.99	
			For 4" Or 6" WG (Class A), Add	49.05	
			For 10" WG (Class A), Add	70.51	
			For Work In Restricted Working Space, Add	45.99	
23 31 13 13-0872	LF		12" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	180.35	97.73
			For 3" WG (Class B), Add	24.43	
			For 4" Or 6" WG (Class A), Add	52.12	
			For 10" WG (Class A), Add	74.92	
			For Work In Restricted Working Space, Add	48.86	
23 31 13 13-0873	LF		12" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	190.97	103.48
			For 3" WG (Class B), Add	25.87	
			For 4" Or 6" WG (Class A), Add	55.19	
			For 10" WG (Class A), Add	79.33	
			For Work In Restricted Working Space, Add	51.74	
23 31 13 13-0874	LF		12" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	201.58	109.23
			For 3" WG (Class B), Add	27.31	
			For 4" Or 6" WG (Class A), Add	58.25	
			For 10" WG (Class A), Add	83.74	
			For Work In Restricted Working Space, Add	54.61	
23 31 13 13-0875	LF		12" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	212.18	114.97
			For 3" WG (Class B), Add	28.74	
			For 4" Or 6" WG (Class A), Add	61.32	
			For 10" WG (Class A), Add	88.15	
			For Work In Restricted Working Space, Add	57.49	
23 31 13 13-0876	LF		12" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	222.79	120.72
			For 3" WG (Class B), Add	30.18	
			For 4" Or 6" WG (Class A), Add	64.38	
			For 10" WG (Class A), Add	92.55	
			For Work In Restricted Working Space, Add	60.36	
23 31 13 13-0877	LF		12" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	233.38	126.47
			For 3" WG (Class B), Add	31.62	
			For 4" Or 6" WG (Class A), Add	67.45	
			For 10" WG (Class A), Add	96.95	
			For Work In Restricted Working Space, Add	63.23	
23 31 13 13-0878	LF		12" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	244.01	132.22
			For 3" WG (Class B), Add	33.05	
			For 4" Or 6" WG (Class A), Add	70.52	
			For 10" WG (Class A), Add	101.37	
			For Work In Restricted Working Space, Add	66.11	
23 31 13 13-0879	LF		12" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	254.63	137.96
			For 3" WG (Class B), Add	34.49	
			For 4" Or 6" WG (Class A), Add	73.58	
			For 10" WG (Class A), Add	105.78	
			For Work In Restricted Working Space, Add	68.99	
23 31 13 13-0880	LF		14" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	148.53	80.48
			For 3" WG (Class B), Add	20.12	
			For 4" Or 6" WG (Class A), Add	42.92	
			For 10" WG (Class A), Add	61.70	
			For Work In Restricted Working Space, Add	40.24	
23 31 13 13-0881	LF		14" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	159.13	86.22
			For 3" WG (Class B), Add	21.56	
			For 4" Or 6" WG (Class A), Add	45.99	
			For 10" WG (Class A), Add	66.11	
			For Work In Restricted Working Space, Add	43.11	
23 31 13 13-0882	LF		14" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	169.74	91.98
			For 3" WG (Class B), Add	22.99	
			For 4" Or 6" WG (Class A), Add	49.05	
			For 10" WG (Class A), Add	70.51	
			For Work In Restricted Working Space, Add	45.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0883	LF	14" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	180.35	97.73
			For 3" WG (Class B), Add	24.43	
			For 4" Or 6" WG (Class A), Add	52.12	
			For 10" WG (Class A), Add	74.92	
			For Work In Restricted Working Space, Add	48.86	
23 31 13	13-0884	LF	14" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	190.97	103.48
			For 3" WG (Class B), Add	25.87	
			For 4" Or 6" WG (Class A), Add	55.19	
			For 10" WG (Class A), Add	79.33	
			For Work In Restricted Working Space, Add	51.74	
23 31 13	13-0885	LF	14" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	201.58	109.23
			For 3" WG (Class B), Add	27.31	
			For 4" Or 6" WG (Class A), Add	58.25	
			For 10" WG (Class A), Add	83.74	
			For Work In Restricted Working Space, Add	54.61	
23 31 13	13-0886	LF	14" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	212.18	114.97
			For 3" WG (Class B), Add	28.74	
			For 4" Or 6" WG (Class A), Add	61.32	
			For 10" WG (Class A), Add	88.15	
			For Work In Restricted Working Space, Add	57.49	
23 31 13	13-0887	LF	14" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	222.79	120.72
			For 3" WG (Class B), Add	30.18	
			For 4" Or 6" WG (Class A), Add	64.38	
			For 10" WG (Class A), Add	92.55	
			For Work In Restricted Working Space, Add	60.36	
23 31 13	13-0888	LF	14" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	233.38	126.47
			For 3" WG (Class B), Add	31.62	
			For 4" Or 6" WG (Class A), Add	67.45	
			For 10" WG (Class A), Add	96.95	
			For Work In Restricted Working Space, Add	63.23	
23 31 13	13-0889	LF	14" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	244.01	132.22
			For 3" WG (Class B), Add	33.05	
			For 4" Or 6" WG (Class A), Add	70.52	
			For 10" WG (Class A), Add	101.37	
			For Work In Restricted Working Space, Add	66.11	
23 31 13	13-0890	LF	14" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	254.63	137.96
			For 3" WG (Class B), Add	34.49	
			For 4" Or 6" WG (Class A), Add	73.58	
			For 10" WG (Class A), Add	105.78	
			For Work In Restricted Working Space, Add	68.99	
23 31 13	13-0891	LF	14" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	265.23	143.71
			For 3" WG (Class B), Add	35.93	
			For 4" Or 6" WG (Class A), Add	76.65	
			For 10" WG (Class A), Add	110.18	
			For Work In Restricted Working Space, Add	71.86	
23 31 13	13-0892	LF	16" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	169.74	91.98
			For 3" WG (Class B), Add	22.99	
			For 4" Or 6" WG (Class A), Add	49.05	
			For 10" WG (Class A), Add	70.51	
			For Work In Restricted Working Space, Add	45.99	
23 31 13	13-0893	LF	16" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	180.35	97.73
			For 3" WG (Class B), Add	24.43	
			For 4" Or 6" WG (Class A), Add	52.12	
			For 10" WG (Class A), Add	74.92	
			For Work In Restricted Working Space, Add	48.86	
23 31 13	13-0894	LF	16" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	190.97	103.48
			For 3" WG (Class B), Add	25.87	
			For 4" Or 6" WG (Class A), Add	55.19	
			For 10" WG (Class A), Add	79.33	
			For Work In Restricted Working Space, Add	51.74	
23 31 13	13-0895	LF	16" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	201.58	109.23
			For 3" WG (Class B), Add	27.31	
			For 4" Or 6" WG (Class A), Add	58.25	
			For 10" WG (Class A), Add	83.74	
			For Work In Restricted Working Space, Add	54.61	
23 31 13	13-0896	LF	16" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	212.18	114.97
			For 3" WG (Class B), Add	28.74	
			For 4" Or 6" WG (Class A), Add	61.32	
			For 10" WG (Class A), Add	88.15	
			For Work In Restricted Working Space, Add	57.49	
23 31 13	13-0897	LF	16" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	222.79	120.72
			For 3" WG (Class B), Add	30.18	
			For 4" Or 6" WG (Class A), Add	64.38	
			For 10" WG (Class A), Add	92.55	
			For Work In Restricted Working Space, Add	60.36	
23 31 13	13-0898	LF	16" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	233.38	126.47
			For 3" WG (Class B), Add	31.62	
			For 4" Or 6" WG (Class A), Add	67.45	
			For 10" WG (Class A), Add	96.95	
			For Work In Restricted Working Space, Add	63.23	
23 31 13	13-0899	LF	16" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	244.01	132.22
			For 3" WG (Class B), Add	33.05	
			For 4" Or 6" WG (Class A), Add	70.52	
			For 10" WG (Class A), Add	101.37	
			For Work In Restricted Working Space, Add	66.11	
23 31 13	13-0900	LF	16" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	254.63	137.96
			For 3" WG (Class B), Add	34.49	
			For 4" Or 6" WG (Class A), Add	73.58	
			For 10" WG (Class A), Add	105.78	
			For Work In Restricted Working Space, Add	68.99	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0901	LF	16" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	265.23	143.71
			For 3" WG (Class B), Add	35.93	
			For 4" Or 6" WG (Class A), Add	76.65	
			For 10" WG (Class A), Add	110.18	
			For Work In Restricted Working Space, Add	71.86	
23 31 13	13-0902	LF	16" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	275.83	149.46
			For 3" WG (Class B), Add	37.37	
			For 4" Or 6" WG (Class A), Add	79.71	
			For 10" WG (Class A), Add	114.59	
			For Work In Restricted Working Space, Add	74.73	
23 31 13	13-0903	LF	16" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	286.44	155.20
			For 3" WG (Class B), Add	38.80	
			For 4" Or 6" WG (Class A), Add	82.78	
			For 10" WG (Class A), Add	119.00	
			For Work In Restricted Working Space, Add	77.61	
23 31 13	13-0904	LF	16" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	297.06	160.97
			For 3" WG (Class B), Add	40.24	
			For 4" Or 6" WG (Class A), Add	85.85	
			For 10" WG (Class A), Add	123.40	
			For Work In Restricted Working Space, Add	80.48	
23 31 13	13-0905	LF	16" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	307.66	166.71
			For 3" WG (Class B), Add	41.68	
			For 4" Or 6" WG (Class A), Add	88.91	
			For 10" WG (Class A), Add	127.81	
			For Work In Restricted Working Space, Add	83.35	
23 31 13	13-0906	LF	16" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	318.27	172.46
			For 3" WG (Class B), Add	43.11	
			For 4" Or 6" WG (Class A), Add	91.98	
			For 10" WG (Class A), Add	132.22	
			For Work In Restricted Working Space, Add	86.23	
23 31 13	13-0907	LF	18" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	190.97	103.48
			For 3" WG (Class B), Add	25.87	
			For 4" Or 6" WG (Class A), Add	55.19	
			For 10" WG (Class A), Add	79.33	
			For Work In Restricted Working Space, Add	51.74	
23 31 13	13-0908	LF	18" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	201.58	109.23
			For 3" WG (Class B), Add	27.31	
			For 4" Or 6" WG (Class A), Add	58.25	
			For 10" WG (Class A), Add	83.74	
			For Work In Restricted Working Space, Add	54.61	
23 31 13	13-0909	LF	18" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	212.18	114.97
			For 3" WG (Class B), Add	28.74	
			For 4" Or 6" WG (Class A), Add	61.32	
			For 10" WG (Class A), Add	88.15	
			For Work In Restricted Working Space, Add	57.49	
23 31 13	13-0910	LF	18" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	222.79	120.72
			For 3" WG (Class B), Add	30.18	
			For 4" Or 6" WG (Class A), Add	64.38	
			For 10" WG (Class A), Add	92.55	
			For Work In Restricted Working Space, Add	60.36	
23 31 13	13-0911	LF	18" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	233.38	126.47
			For 3" WG (Class B), Add	31.62	
			For 4" Or 6" WG (Class A), Add	67.45	
			For 10" WG (Class A), Add	96.95	
			For Work In Restricted Working Space, Add	63.23	
23 31 13	13-0912	LF	18" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	244.01	132.22
			For 3" WG (Class B), Add	33.05	
			For 4" Or 6" WG (Class A), Add	70.52	
			For 10" WG (Class A), Add	101.37	
			For Work In Restricted Working Space, Add	66.11	
23 31 13	13-0913	LF	18" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	254.63	137.96
			For 3" WG (Class B), Add	34.49	
			For 4" Or 6" WG (Class A), Add	73.58	
			For 10" WG (Class A), Add	105.78	
			For Work In Restricted Working Space, Add	68.99	
23 31 13	13-0914	LF	18" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	265.23	143.71
			For 3" WG (Class B), Add	35.93	
			For 4" Or 6" WG (Class A), Add	76.65	
			For 10" WG (Class A), Add	110.18	
			For Work In Restricted Working Space, Add	71.86	
23 31 13	13-0915	LF	18" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	275.83	149.46
			For 3" WG (Class B), Add	37.37	
			For 4" Or 6" WG (Class A), Add	79.71	
			For 10" WG (Class A), Add	114.59	
			For Work In Restricted Working Space, Add	74.73	
23 31 13	13-0916	LF	18" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	286.44	155.20
			For 3" WG (Class B), Add	38.80	
			For 4" Or 6" WG (Class A), Add	82.78	
			For 10" WG (Class A), Add	119.00	
			For Work In Restricted Working Space, Add	77.61	
23 31 13	13-0917	LF	18" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	297.06	160.97
			For 3" WG (Class B), Add	40.24	
			For 4" Or 6" WG (Class A), Add	85.85	
			For 10" WG (Class A), Add	123.40	
			For Work In Restricted Working Space, Add	80.48	
23 31 13	13-0918	LF	18" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	307.66	166.71
			For 3" WG (Class B), Add	41.68	
			For 4" Or 6" WG (Class A), Add	88.91	
			For 10" WG (Class A), Add	127.81	
			For Work In Restricted Working Space, Add	83.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0919	LF	18" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	318.27	172.46
			For 3" WG (Class B), Add	43.11	
			For 4" Or 6" WG (Class A), Add	91.98	
			For 10" WG (Class A), Add	132.22	
			For Work In Restricted Working Space, Add	86.23	
23 31 13	13-0920	LF	18" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	328.89	178.21
			For 3" WG (Class B), Add	44.55	
			For 4" Or 6" WG (Class A), Add	95.05	
			For 10" WG (Class A), Add	136.63	
			For Work In Restricted Working Space, Add	89.11	
23 31 13	13-0921	LF	18" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	339.50	183.95
			For 3" WG (Class B), Add	45.99	
			For 4" Or 6" WG (Class A), Add	98.11	
			For 10" WG (Class A), Add	141.03	
			For Work In Restricted Working Space, Add	91.98	
23 31 13	13-0922	LF	20" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	212.18	114.97
			For 3" WG (Class B), Add	28.74	
			For 4" Or 6" WG (Class A), Add	61.32	
			For 10" WG (Class A), Add	88.15	
			For Work In Restricted Working Space, Add	57.49	
23 31 13	13-0923	LF	20" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	222.79	120.72
			For 3" WG (Class B), Add	30.18	
			For 4" Or 6" WG (Class A), Add	64.38	
			For 10" WG (Class A), Add	92.55	
			For Work In Restricted Working Space, Add	60.36	
23 31 13	13-0924	LF	20" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	233.38	126.47
			For 3" WG (Class B), Add	31.62	
			For 4" Or 6" WG (Class A), Add	67.45	
			For 10" WG (Class A), Add	96.95	
			For Work In Restricted Working Space, Add	63.23	
23 31 13	13-0925	LF	20" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	244.01	132.22
			For 3" WG (Class B), Add	33.05	
			For 4" Or 6" WG (Class A), Add	70.52	
			For 10" WG (Class A), Add	101.37	
			For Work In Restricted Working Space, Add	66.11	
23 31 13	13-0926	LF	20" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	254.63	137.96
			For 3" WG (Class B), Add	34.49	
			For 4" Or 6" WG (Class A), Add	73.58	
			For 10" WG (Class A), Add	105.78	
			For Work In Restricted Working Space, Add	68.99	
23 31 13	13-0927	LF	20" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	265.23	143.71
			For 3" WG (Class B), Add	35.93	
			For 4" Or 6" WG (Class A), Add	76.65	
			For 10" WG (Class A), Add	110.18	
			For Work In Restricted Working Space, Add	71.86	
23 31 13	13-0928	LF	20" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	275.83	149.46
			For 3" WG (Class B), Add	37.37	
			For 4" Or 6" WG (Class A), Add	79.71	
			For 10" WG (Class A), Add	114.59	
			For Work In Restricted Working Space, Add	74.73	
23 31 13	13-0929	LF	20" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	286.44	155.20
			For 3" WG (Class B), Add	38.80	
			For 4" Or 6" WG (Class A), Add	82.78	
			For 10" WG (Class A), Add	119.00	
			For Work In Restricted Working Space, Add	77.61	
23 31 13	13-0930	LF	20" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	297.06	160.97
			For 3" WG (Class B), Add	40.24	
			For 4" Or 6" WG (Class A), Add	85.85	
			For 10" WG (Class A), Add	123.40	
			For Work In Restricted Working Space, Add	80.48	
23 31 13	13-0931	LF	20" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	307.66	166.71
			For 3" WG (Class B), Add	41.68	
			For 4" Or 6" WG (Class A), Add	88.91	
			For 10" WG (Class A), Add	127.81	
			For Work In Restricted Working Space, Add	83.35	
23 31 13	13-0932	LF	20" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	318.27	172.46
			For 3" WG (Class B), Add	43.11	
			For 4" Or 6" WG (Class A), Add	91.98	
			For 10" WG (Class A), Add	132.22	
			For Work In Restricted Working Space, Add	86.23	
23 31 13	13-0933	LF	20" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	328.89	178.21
			For 3" WG (Class B), Add	44.55	
			For 4" Or 6" WG (Class A), Add	95.05	
			For 10" WG (Class A), Add	136.63	
			For Work In Restricted Working Space, Add	89.11	
23 31 13	13-0934	LF	20" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	339.50	183.95
			For 3" WG (Class B), Add	45.99	
			For 4" Or 6" WG (Class A), Add	98.11	
			For 10" WG (Class A), Add	141.03	
			For Work In Restricted Working Space, Add	91.98	
23 31 13	13-0935	LF	20" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	350.10	189.70
			For 3" WG (Class B), Add	47.43	
			For 4" Or 6" WG (Class A), Add	101.17	
			For 10" WG (Class A), Add	145.44	
			For Work In Restricted Working Space, Add	94.85	
23 31 13	13-0936	LF	20" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	360.71	195.45
			For 3" WG (Class B), Add	48.86	
			For 4" Or 6" WG (Class A), Add	104.24	
			For 10" WG (Class A), Add	149.85	
			For Work In Restricted Working Space, Add	97.73	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0937	LF	22" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	233.38	126.47
		<i>For 3" WG (Class B), Add</i>		31.62	
		<i>For 4" Or 6" WG (Class A), Add</i>		67.45	
		<i>For 10" WG (Class A), Add</i>		96.95	
		<i>For Work In Restricted Working Space, Add</i>		63.23	
23 31 13 13-0938	LF	22" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	244.01	132.22
		<i>For 3" WG (Class B), Add</i>		33.05	
		<i>For 4" Or 6" WG (Class A), Add</i>		70.52	
		<i>For 10" WG (Class A), Add</i>		101.37	
		<i>For Work In Restricted Working Space, Add</i>		66.11	
23 31 13 13-0939	LF	22" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	254.63	137.96
		<i>For 3" WG (Class B), Add</i>		34.49	
		<i>For 4" Or 6" WG (Class A), Add</i>		73.58	
		<i>For 10" WG (Class A), Add</i>		105.78	
		<i>For Work In Restricted Working Space, Add</i>		68.99	
23 31 13 13-0940	LF	22" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	265.23	143.71
		<i>For 3" WG (Class B), Add</i>		35.93	
		<i>For 4" Or 6" WG (Class A), Add</i>		76.65	
		<i>For 10" WG (Class A), Add</i>		110.18	
		<i>For Work In Restricted Working Space, Add</i>		71.86	
23 31 13 13-0941	LF	22" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	275.83	149.46
		<i>For 3" WG (Class B), Add</i>		37.37	
		<i>For 4" Or 6" WG (Class A), Add</i>		79.71	
		<i>For 10" WG (Class A), Add</i>		114.59	
		<i>For Work In Restricted Working Space, Add</i>		74.73	
23 31 13 13-0942	LF	22" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	286.44	155.20
		<i>For 3" WG (Class B), Add</i>		38.80	
		<i>For 4" Or 6" WG (Class A), Add</i>		82.78	
		<i>For 10" WG (Class A), Add</i>		119.00	
		<i>For Work In Restricted Working Space, Add</i>		77.61	
23 31 13 13-0943	LF	22" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	297.06	160.97
		<i>For 3" WG (Class B), Add</i>		40.24	
		<i>For 4" Or 6" WG (Class A), Add</i>		85.85	
		<i>For 10" WG (Class A), Add</i>		123.40	
		<i>For Work In Restricted Working Space, Add</i>		80.48	
23 31 13 13-0944	LF	22" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	307.66	166.71
		<i>For 3" WG (Class B), Add</i>		41.68	
		<i>For 4" Or 6" WG (Class A), Add</i>		88.91	
		<i>For 10" WG (Class A), Add</i>		127.81	
		<i>For Work In Restricted Working Space, Add</i>		83.35	
23 31 13 13-0945	LF	22" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	318.27	172.46
		<i>For 3" WG (Class B), Add</i>		43.11	
		<i>For 4" Or 6" WG (Class A), Add</i>		91.98	
		<i>For 10" WG (Class A), Add</i>		132.22	
		<i>For Work In Restricted Working Space, Add</i>		86.23	
23 31 13 13-0946	LF	22" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	328.89	178.21
		<i>For 3" WG (Class B), Add</i>		44.55	
		<i>For 4" Or 6" WG (Class A), Add</i>		95.05	
		<i>For 10" WG (Class A), Add</i>		136.63	
		<i>For Work In Restricted Working Space, Add</i>		89.11	
23 31 13 13-0947	LF	22" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	339.50	183.95
		<i>For 3" WG (Class B), Add</i>		45.99	
		<i>For 4" Or 6" WG (Class A), Add</i>		98.11	
		<i>For 10" WG (Class A), Add</i>		141.03	
		<i>For Work In Restricted Working Space, Add</i>		91.98	
23 31 13 13-0948	LF	22" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	350.10	189.70
		<i>For 3" WG (Class B), Add</i>		47.43	
		<i>For 4" Or 6" WG (Class A), Add</i>		101.17	
		<i>For 10" WG (Class A), Add</i>		145.44	
		<i>For Work In Restricted Working Space, Add</i>		94.85	
23 31 13 13-0949	LF	22" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	360.71	195.45
		<i>For 3" WG (Class B), Add</i>		48.86	
		<i>For 4" Or 6" WG (Class A), Add</i>		104.24	
		<i>For 10" WG (Class A), Add</i>		149.85	
		<i>For Work In Restricted Working Space, Add</i>		97.73	
23 31 13 13-0950	LF	22" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	371.31	201.20
		<i>For 3" WG (Class B), Add</i>		50.30	
		<i>For 4" Or 6" WG (Class A), Add</i>		107.31	
		<i>For 10" WG (Class A), Add</i>		154.25	
		<i>For Work In Restricted Working Space, Add</i>		100.60	
23 31 13 13-0951	LF	24" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	254.63	137.96
		<i>For 3" WG (Class B), Add</i>		34.49	
		<i>For 4" Or 6" WG (Class A), Add</i>		73.58	
		<i>For 10" WG (Class A), Add</i>		105.78	
		<i>For Work In Restricted Working Space, Add</i>		68.99	
23 31 13 13-0952	LF	24" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	265.23	143.71
		<i>For 3" WG (Class B), Add</i>		35.93	
		<i>For 4" Or 6" WG (Class A), Add</i>		76.65	
		<i>For 10" WG (Class A), Add</i>		110.18	
		<i>For Work In Restricted Working Space, Add</i>		71.86	
23 31 13 13-0953	LF	24" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	275.83	149.46
		<i>For 3" WG (Class B), Add</i>		37.37	
		<i>For 4" Or 6" WG (Class A), Add</i>		79.71	
		<i>For 10" WG (Class A), Add</i>		114.59	
		<i>For Work In Restricted Working Space, Add</i>		74.73	
23 31 13 13-0954	LF	24" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	286.44	155.20
		<i>For 3" WG (Class B), Add</i>		38.80	
		<i>For 4" Or 6" WG (Class A), Add</i>		82.78	
		<i>For 10" WG (Class A), Add</i>		119.00	
		<i>For Work In Restricted Working Space, Add</i>		77.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0955	LF	24" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	297.06	160.97
			For 3" WG (Class B), Add	40.24	
			For 4" Or 6" WG (Class A), Add	85.85	
			For 10" WG (Class A), Add	123.40	
			For Work In Restricted Working Space, Add	80.48	
23 31 13	13-0956	LF	24" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	307.66	166.71
			For 3" WG (Class B), Add	41.68	
			For 4" Or 6" WG (Class A), Add	88.91	
			For 10" WG (Class A), Add	127.81	
			For Work In Restricted Working Space, Add	83.35	
23 31 13	13-0957	LF	24" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	318.27	172.46
			For 3" WG (Class B), Add	43.11	
			For 4" Or 6" WG (Class A), Add	91.98	
			For 10" WG (Class A), Add	132.22	
			For Work In Restricted Working Space, Add	86.23	
23 31 13	13-0958	LF	24" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	328.89	178.21
			For 3" WG (Class B), Add	44.55	
			For 4" Or 6" WG (Class A), Add	95.05	
			For 10" WG (Class A), Add	136.63	
			For Work In Restricted Working Space, Add	89.11	
23 31 13	13-0959	LF	24" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	339.50	183.95
			For 3" WG (Class B), Add	45.99	
			For 4" Or 6" WG (Class A), Add	98.11	
			For 10" WG (Class A), Add	141.03	
			For Work In Restricted Working Space, Add	91.98	
23 31 13	13-0960	LF	24" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	350.10	189.70
			For 3" WG (Class B), Add	47.43	
			For 4" Or 6" WG (Class A), Add	101.17	
			For 10" WG (Class A), Add	145.44	
			For Work In Restricted Working Space, Add	94.85	
23 31 13	13-0961	LF	24" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	360.71	195.45
			For 3" WG (Class B), Add	48.86	
			For 4" Or 6" WG (Class A), Add	104.24	
			For 10" WG (Class A), Add	149.85	
			For Work In Restricted Working Space, Add	97.73	
23 31 13	13-0962	LF	24" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	371.31	201.20
			For 3" WG (Class B), Add	50.30	
			For 4" Or 6" WG (Class A), Add	107.31	
			For 10" WG (Class A), Add	154.25	
			For Work In Restricted Working Space, Add	100.60	
23 31 13	13-0963	LF	24" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	381.92	206.94
			For 3" WG (Class B), Add	51.74	
			For 4" Or 6" WG (Class A), Add	110.37	
			For 10" WG (Class A), Add	158.66	
			For Work In Restricted Working Space, Add	103.47	
23 31 13	13-0964	LF	26" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	275.83	149.46
			For 3" WG (Class B), Add	37.37	
			For 4" Or 6" WG (Class A), Add	79.71	
			For 10" WG (Class A), Add	114.59	
			For Work In Restricted Working Space, Add	74.73	
23 31 13	13-0965	LF	26" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	286.44	155.20
			For 3" WG (Class B), Add	38.80	
			For 4" Or 6" WG (Class A), Add	82.78	
			For 10" WG (Class A), Add	119.00	
			For Work In Restricted Working Space, Add	77.61	
23 31 13	13-0966	LF	26" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	297.06	160.97
			For 3" WG (Class B), Add	40.24	
			For 4" Or 6" WG (Class A), Add	85.85	
			For 10" WG (Class A), Add	123.40	
			For Work In Restricted Working Space, Add	80.48	
23 31 13	13-0967	LF	26" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	307.66	166.71
			For 3" WG (Class B), Add	41.68	
			For 4" Or 6" WG (Class A), Add	88.91	
			For 10" WG (Class A), Add	127.81	
			For Work In Restricted Working Space, Add	83.35	
23 31 13	13-0968	LF	26" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	318.27	172.46
			For 3" WG (Class B), Add	43.11	
			For 4" Or 6" WG (Class A), Add	91.98	
			For 10" WG (Class A), Add	132.22	
			For Work In Restricted Working Space, Add	86.23	
23 31 13	13-0969	LF	26" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	328.89	178.21
			For 3" WG (Class B), Add	44.55	
			For 4" Or 6" WG (Class A), Add	95.05	
			For 10" WG (Class A), Add	136.63	
			For Work In Restricted Working Space, Add	89.11	
23 31 13	13-0970	LF	26" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	339.50	183.95
			For 3" WG (Class B), Add	45.99	
			For 4" Or 6" WG (Class A), Add	98.11	
			For 10" WG (Class A), Add	141.03	
			For Work In Restricted Working Space, Add	91.98	
23 31 13	13-0971	LF	26" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	350.10	189.70
			For 3" WG (Class B), Add	47.43	
			For 4" Or 6" WG (Class A), Add	101.17	
			For 10" WG (Class A), Add	145.44	
			For Work In Restricted Working Space, Add	94.85	
23 31 13	13-0972	LF	26" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	360.71	195.45
			For 3" WG (Class B), Add	48.86	
			For 4" Or 6" WG (Class A), Add	104.24	
			For 10" WG (Class A), Add	149.85	
			For Work In Restricted Working Space, Add	97.73	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0973	LF	26" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	371.31	201.20
			<i>For 3" WG (Class B), Add</i>	50.30	
			<i>For 4" Or 6" WG (Class A), Add</i>	107.31	
			<i>For 10" WG (Class A), Add</i>	154.25	
			<i>For Work In Restricted Working Space, Add</i>	100.60	
23 31 13	13-0974	LF	26" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	381.92	206.94
			<i>For 3" WG (Class B), Add</i>	51.74	
			<i>For 4" Or 6" WG (Class A), Add</i>	110.37	
			<i>For 10" WG (Class A), Add</i>	158.66	
			<i>For Work In Restricted Working Space, Add</i>	103.47	
23 31 13	13-0975	LF	26" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	392.55	212.69
			<i>For 3" WG (Class B), Add</i>	53.18	
			<i>For 4" Or 6" WG (Class A), Add</i>	113.44	
			<i>For 10" WG (Class A), Add</i>	163.07	
			<i>For Work In Restricted Working Space, Add</i>	106.35	
23 31 13	13-0976	LF	28" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	297.06	160.97
			<i>For 3" WG (Class B), Add</i>	40.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	85.85	
			<i>For 10" WG (Class A), Add</i>	123.40	
			<i>For Work In Restricted Working Space, Add</i>	80.48	
23 31 13	13-0977	LF	28" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	307.66	166.71
			<i>For 3" WG (Class B), Add</i>	41.68	
			<i>For 4" Or 6" WG (Class A), Add</i>	88.91	
			<i>For 10" WG (Class A), Add</i>	127.81	
			<i>For Work In Restricted Working Space, Add</i>	83.35	
23 31 13	13-0978	LF	28" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	318.27	172.46
			<i>For 3" WG (Class B), Add</i>	43.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	91.98	
			<i>For 10" WG (Class A), Add</i>	132.22	
			<i>For Work In Restricted Working Space, Add</i>	86.23	
23 31 13	13-0979	LF	28" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	328.89	178.21
			<i>For 3" WG (Class B), Add</i>	44.55	
			<i>For 4" Or 6" WG (Class A), Add</i>	95.05	
			<i>For 10" WG (Class A), Add</i>	136.63	
			<i>For Work In Restricted Working Space, Add</i>	89.11	
23 31 13	13-0980	LF	28" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	339.50	183.95
			<i>For 3" WG (Class B), Add</i>	45.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	98.11	
			<i>For 10" WG (Class A), Add</i>	141.03	
			<i>For Work In Restricted Working Space, Add</i>	91.98	
23 31 13	13-0981	LF	28" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	350.10	189.70
			<i>For 3" WG (Class B), Add</i>	47.43	
			<i>For 4" Or 6" WG (Class A), Add</i>	101.17	
			<i>For 10" WG (Class A), Add</i>	145.44	
			<i>For Work In Restricted Working Space, Add</i>	94.85	
23 31 13	13-0982	LF	28" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	360.71	195.45
			<i>For 3" WG (Class B), Add</i>	48.86	
			<i>For 4" Or 6" WG (Class A), Add</i>	104.24	
			<i>For 10" WG (Class A), Add</i>	149.85	
			<i>For Work In Restricted Working Space, Add</i>	97.73	
23 31 13	13-0983	LF	28" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	371.31	201.20
			<i>For 3" WG (Class B), Add</i>	50.30	
			<i>For 4" Or 6" WG (Class A), Add</i>	107.31	
			<i>For 10" WG (Class A), Add</i>	154.25	
			<i>For Work In Restricted Working Space, Add</i>	100.60	
23 31 13	13-0984	LF	28" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	381.92	206.94
			<i>For 3" WG (Class B), Add</i>	51.74	
			<i>For 4" Or 6" WG (Class A), Add</i>	110.37	
			<i>For 10" WG (Class A), Add</i>	158.66	
			<i>For Work In Restricted Working Space, Add</i>	103.47	
23 31 13	13-0985	LF	28" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	392.55	212.69
			<i>For 3" WG (Class B), Add</i>	53.18	
			<i>For 4" Or 6" WG (Class A), Add</i>	113.44	
			<i>For 10" WG (Class A), Add</i>	163.07	
			<i>For Work In Restricted Working Space, Add</i>	106.35	
23 31 13	13-0986	LF	28" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	403.15	218.44
			<i>For 3" WG (Class B), Add</i>	54.61	
			<i>For 4" Or 6" WG (Class A), Add</i>	116.51	
			<i>For 10" WG (Class A), Add</i>	167.48	
			<i>For Work In Restricted Working Space, Add</i>	109.22	
23 31 13	13-0987	LF	30" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	318.27	172.46
			<i>For 3" WG (Class B), Add</i>	43.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	91.98	
			<i>For 10" WG (Class A), Add</i>	132.22	
			<i>For Work In Restricted Working Space, Add</i>	86.23	
23 31 13	13-0988	LF	30" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	328.89	178.21
			<i>For 3" WG (Class B), Add</i>	44.55	
			<i>For 4" Or 6" WG (Class A), Add</i>	95.05	
			<i>For 10" WG (Class A), Add</i>	136.63	
			<i>For Work In Restricted Working Space, Add</i>	89.11	
23 31 13	13-0989	LF	30" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	339.50	183.95
			<i>For 3" WG (Class B), Add</i>	45.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	98.11	
			<i>For 10" WG (Class A), Add</i>	141.03	
			<i>For Work In Restricted Working Space, Add</i>	91.98	
23 31 13	13-0990	LF	30" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	350.10	189.70
			<i>For 3" WG (Class B), Add</i>	47.43	
			<i>For 4" Or 6" WG (Class A), Add</i>	101.17	
			<i>For 10" WG (Class A), Add</i>	145.44	
			<i>For Work In Restricted Working Space, Add</i>	94.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0991	LF	30" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	360.71 48.86 104.24 149.85 97.73	195.45
23 31 13	13-0992	LF	30" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	371.31 50.30 107.31 154.25 100.60	201.20
23 31 13	13-0993	LF	30" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	381.92 51.74 110.37 158.66 103.47	206.94
23 31 13	13-0994	LF	30" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	392.55 53.18 113.44 163.07 106.35	212.69
23 31 13	13-0995	LF	30" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	403.15 54.61 116.51 167.48 109.22	218.44
23 31 13	13-0996	LF	30" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	413.75 56.05 119.57 171.88 112.10	224.20
23 31 13	13-0997	LF	32" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	339.50 45.99 98.11 141.03 91.98	183.95
23 31 13	13-0998	LF	32" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	350.10 47.43 101.17 145.44 94.85	189.70
23 31 13	13-0999	LF	32" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	360.71 48.86 104.24 149.85 97.73	195.45
23 31 13	13-1000	LF	32" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	371.31 50.30 107.31 154.25 100.60	201.20
23 31 13	13-1001	LF	32" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	381.92 51.74 110.37 158.66 103.47	206.94
23 31 13	13-1002	LF	32" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	392.55 53.18 113.44 163.07 106.35	212.69
23 31 13	13-1003	LF	32" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	403.15 54.61 116.51 167.48 109.22	218.44
23 31 13	13-1004	LF	32" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	413.75 56.05 119.57 171.88 112.10	224.20
23 31 13	13-1005	LF	32" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	424.36 57.49 122.64 176.29 114.97	229.95
23 31 13	13-1006	LF	34" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	360.71 48.86 104.24 149.85 97.73	195.45
23 31 13	13-1007	LF	34" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	371.31 50.30 107.31 154.25 100.60	201.20
23 31 13	13-1008	LF	34" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	381.92 51.74 110.37 158.66 103.47	206.94

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1009	LF	34" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	392.55	212.69
		<i>For 3" WG (Class B), Add</i>		53.18	
		<i>For 4" Or 6" WG (Class A), Add</i>		113.44	
		<i>For 10" WG (Class A), Add</i>		163.07	
		<i>For Work In Restricted Working Space, Add</i>		106.35	
23 31 13 13-1010	LF	34" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	403.15	218.44
		<i>For 3" WG (Class B), Add</i>		54.61	
		<i>For 4" Or 6" WG (Class A), Add</i>		116.51	
		<i>For 10" WG (Class A), Add</i>		167.48	
		<i>For Work In Restricted Working Space, Add</i>		109.22	
23 31 13 13-1011	LF	34" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	413.75	224.20
		<i>For 3" WG (Class B), Add</i>		56.05	
		<i>For 4" Or 6" WG (Class A), Add</i>		119.57	
		<i>For 10" WG (Class A), Add</i>		171.88	
		<i>For Work In Restricted Working Space, Add</i>		112.10	
23 31 13 13-1012	LF	34" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	424.36	229.95
		<i>For 3" WG (Class B), Add</i>		57.49	
		<i>For 4" Or 6" WG (Class A), Add</i>		122.64	
		<i>For 10" WG (Class A), Add</i>		176.29	
		<i>For Work In Restricted Working Space, Add</i>		114.97	
23 31 13 13-1013	LF	34" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	434.97	235.69
		<i>For 3" WG (Class B), Add</i>		58.92	
		<i>For 4" Or 6" WG (Class A), Add</i>		125.70	
		<i>For 10" WG (Class A), Add</i>		180.70	
		<i>For Work In Restricted Working Space, Add</i>		117.85	
23 31 13 13-1014	LF	36" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	381.92	206.94
		<i>For 3" WG (Class B), Add</i>		51.74	
		<i>For 4" Or 6" WG (Class A), Add</i>		110.37	
		<i>For 10" WG (Class A), Add</i>		158.66	
		<i>For Work In Restricted Working Space, Add</i>		103.47	
23 31 13 13-1015	LF	36" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	392.55	212.69
		<i>For 3" WG (Class B), Add</i>		53.18	
		<i>For 4" Or 6" WG (Class A), Add</i>		113.44	
		<i>For 10" WG (Class A), Add</i>		163.07	
		<i>For Work In Restricted Working Space, Add</i>		106.35	
23 31 13 13-1016	LF	36" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	403.15	218.44
		<i>For 3" WG (Class B), Add</i>		54.61	
		<i>For 4" Or 6" WG (Class A), Add</i>		116.51	
		<i>For 10" WG (Class A), Add</i>		167.48	
		<i>For Work In Restricted Working Space, Add</i>		109.22	
23 31 13 13-1017	LF	36" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	413.75	224.20
		<i>For 3" WG (Class B), Add</i>		56.05	
		<i>For 4" Or 6" WG (Class A), Add</i>		119.57	
		<i>For 10" WG (Class A), Add</i>		171.88	
		<i>For Work In Restricted Working Space, Add</i>		112.10	
23 31 13 13-1018	LF	36" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	424.36	229.95
		<i>For 3" WG (Class B), Add</i>		57.49	
		<i>For 4" Or 6" WG (Class A), Add</i>		122.64	
		<i>For 10" WG (Class A), Add</i>		176.29	
		<i>For Work In Restricted Working Space, Add</i>		114.97	
23 31 13 13-1019	LF	36" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	434.97	235.69
		<i>For 3" WG (Class B), Add</i>		58.92	
		<i>For 4" Or 6" WG (Class A), Add</i>		125.70	
		<i>For 10" WG (Class A), Add</i>		180.70	
		<i>For Work In Restricted Working Space, Add</i>		117.85	
23 31 13 13-1020	LF	36" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	445.58	241.45
		<i>For 3" WG (Class B), Add</i>		60.36	
		<i>For 4" Or 6" WG (Class A), Add</i>		128.76	
		<i>For 10" WG (Class A), Add</i>		185.10	
		<i>For Work In Restricted Working Space, Add</i>		120.72	
23 31 13 13-1021	LF	38" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	403.15	218.44
		<i>For 3" WG (Class B), Add</i>		54.61	
		<i>For 4" Or 6" WG (Class A), Add</i>		116.51	
		<i>For 10" WG (Class A), Add</i>		167.48	
		<i>For Work In Restricted Working Space, Add</i>		109.22	
23 31 13 13-1022	LF	38" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	413.75	224.20
		<i>For 3" WG (Class B), Add</i>		56.05	
		<i>For 4" Or 6" WG (Class A), Add</i>		119.57	
		<i>For 10" WG (Class A), Add</i>		171.88	
		<i>For Work In Restricted Working Space, Add</i>		112.10	
23 31 13 13-1023	LF	38" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	424.36	229.95
		<i>For 3" WG (Class B), Add</i>		57.49	
		<i>For 4" Or 6" WG (Class A), Add</i>		122.64	
		<i>For 10" WG (Class A), Add</i>		176.29	
		<i>For Work In Restricted Working Space, Add</i>		114.97	
23 31 13 13-1024	LF	38" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	434.97	235.69
		<i>For 3" WG (Class B), Add</i>		58.92	
		<i>For 4" Or 6" WG (Class A), Add</i>		125.70	
		<i>For 10" WG (Class A), Add</i>		180.70	
		<i>For Work In Restricted Working Space, Add</i>		117.85	
23 31 13 13-1025	LF	38" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	445.58	241.45
		<i>For 3" WG (Class B), Add</i>		60.36	
		<i>For 4" Or 6" WG (Class A), Add</i>		128.76	
		<i>For 10" WG (Class A), Add</i>		185.10	
		<i>For Work In Restricted Working Space, Add</i>		120.72	
23 31 13 13-1026	LF	38" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	456.19	247.19
		<i>For 3" WG (Class B), Add</i>		61.80	
		<i>For 4" Or 6" WG (Class A), Add</i>		131.83	
		<i>For 10" WG (Class A), Add</i>		189.51	
		<i>For Work In Restricted Working Space, Add</i>		123.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-1027	LF	38" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	466.81 63.24 134.90 193.92 126.47	252.93
23 31 13	13-1028	LF	40" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	424.36 57.49 122.64 176.29 114.97	229.95
23 31 13	13-1029	LF	40" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	434.97 58.92 125.70 180.70 117.85	235.69
23 31 13	13-1030	LF	40" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	445.58 60.36 128.76 185.10 120.72	241.45
23 31 13	13-1031	LF	40" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	456.19 61.80 131.83 189.51 123.59	247.19
23 31 13	13-1032	LF	40" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	466.81 63.24 134.90 193.92 126.47	252.93
23 31 13	13-1033	LF	40" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	477.41 64.67 137.97 198.33 129.35	258.69
23 31 13	13-1034	LF	40" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	488.01 66.11 141.03 202.73 132.22	264.43
23 31 13	13-1035	LF	40" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	498.63 67.55 144.10 207.14 135.09	270.18
23 31 13	13-1036	LF	40" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	509.24 68.98 147.16 211.55 137.97	275.93
23 31 13	13-1037	LF	42" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	445.58 60.36 128.76 185.10 120.72	241.45
23 31 13	13-1038	LF	42" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	456.19 61.80 131.83 189.51 123.59	247.19
23 31 13	13-1039	LF	42" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	466.81 63.24 134.90 193.92 126.47	252.93
23 31 13	13-1040	LF	42" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	477.41 64.67 137.97 198.33 129.35	258.69
23 31 13	13-1041	LF	42" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	488.01 66.11 141.03 202.73 132.22	264.43
23 31 13	13-1042	LF	42" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	498.63 67.55 144.10 207.14 135.09	270.18
23 31 13	13-1043	LF	42" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	509.24 68.98 147.16 211.55 137.97	275.93
23 31 13	13-1044	LF	42" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	519.84 70.42 150.23 215.95 140.84	281.68

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1045	LF		44" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	466.81	252.93
			<i>For 3" WG (Class B), Add</i>	63.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	134.90	
			<i>For 10" WG (Class A), Add</i>	193.92	
			<i>For Work In Restricted Working Space, Add</i>	126.47	
23 31 13 13-1046	LF		44" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	477.41	258.69
			<i>For 3" WG (Class B), Add</i>	64.67	
			<i>For 4" Or 6" WG (Class A), Add</i>	137.97	
			<i>For 10" WG (Class A), Add</i>	198.33	
			<i>For Work In Restricted Working Space, Add</i>	129.35	
23 31 13 13-1047	LF		44" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	488.01	264.43
			<i>For 3" WG (Class B), Add</i>	66.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	141.03	
			<i>For 10" WG (Class A), Add</i>	202.73	
			<i>For Work In Restricted Working Space, Add</i>	132.22	
23 31 13 13-1048	LF		44" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	498.63	270.18
			<i>For 3" WG (Class B), Add</i>	67.55	
			<i>For 4" Or 6" WG (Class A), Add</i>	144.10	
			<i>For 10" WG (Class A), Add</i>	207.14	
			<i>For Work In Restricted Working Space, Add</i>	135.09	
23 31 13 13-1049	LF		44" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	509.24	275.93
			<i>For 3" WG (Class B), Add</i>	68.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	147.16	
			<i>For 10" WG (Class A), Add</i>	211.55	
			<i>For Work In Restricted Working Space, Add</i>	137.97	
23 31 13 13-1050	LF		44" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	519.84	281.68
			<i>For 3" WG (Class B), Add</i>	70.42	
			<i>For 4" Or 6" WG (Class A), Add</i>	150.23	
			<i>For 10" WG (Class A), Add</i>	215.95	
			<i>For Work In Restricted Working Space, Add</i>	140.84	
23 31 13 13-1051	LF		44" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	530.45	287.43
			<i>For 3" WG (Class B), Add</i>	71.86	
			<i>For 4" Or 6" WG (Class A), Add</i>	153.30	
			<i>For 10" WG (Class A), Add</i>	220.36	
			<i>For Work In Restricted Working Space, Add</i>	143.72	
23 31 13 13-1052	LF		46" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	488.01	264.43
			<i>For 3" WG (Class B), Add</i>	66.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	141.03	
			<i>For 10" WG (Class A), Add</i>	202.73	
			<i>For Work In Restricted Working Space, Add</i>	132.22	
23 31 13 13-1053	LF		46" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	498.63	270.18
			<i>For 3" WG (Class B), Add</i>	67.55	
			<i>For 4" Or 6" WG (Class A), Add</i>	144.10	
			<i>For 10" WG (Class A), Add</i>	207.14	
			<i>For Work In Restricted Working Space, Add</i>	135.09	
23 31 13 13-1054	LF		46" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	509.24	275.93
			<i>For 3" WG (Class B), Add</i>	68.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	147.16	
			<i>For 10" WG (Class A), Add</i>	211.55	
			<i>For Work In Restricted Working Space, Add</i>	137.97	
23 31 13 13-1055	LF		46" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	519.84	281.68
			<i>For 3" WG (Class B), Add</i>	70.42	
			<i>For 4" Or 6" WG (Class A), Add</i>	150.23	
			<i>For 10" WG (Class A), Add</i>	215.95	
			<i>For Work In Restricted Working Space, Add</i>	140.84	
23 31 13 13-1056	LF		46" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	530.45	287.43
			<i>For 3" WG (Class B), Add</i>	71.86	
			<i>For 4" Or 6" WG (Class A), Add</i>	153.30	
			<i>For 10" WG (Class A), Add</i>	220.36	
			<i>For Work In Restricted Working Space, Add</i>	143.72	
23 31 13 13-1057	LF		46" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	550.64	298.93
			<i>For 3" WG (Class B), Add</i>	74.73	
			<i>For 4" Or 6" WG (Class A), Add</i>	159.43	
			<i>For 10" WG (Class A), Add</i>	229.18	
			<i>For Work In Restricted Working Space, Add</i>	149.46	
23 31 13 13-1058	LF		46" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	561.26	304.67
			<i>For 3" WG (Class B), Add</i>	76.17	
			<i>For 4" Or 6" WG (Class A), Add</i>	162.49	
			<i>For 10" WG (Class A), Add</i>	233.58	
			<i>For Work In Restricted Working Space, Add</i>	152.34	
23 31 13 13-1059	LF		48" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	509.24	275.93
			<i>For 3" WG (Class B), Add</i>	68.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	147.16	
			<i>For 10" WG (Class A), Add</i>	211.55	
			<i>For Work In Restricted Working Space, Add</i>	137.97	
23 31 13 13-1060	LF		48" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	519.84	281.68
			<i>For 3" WG (Class B), Add</i>	70.42	
			<i>For 4" Or 6" WG (Class A), Add</i>	150.23	
			<i>For 10" WG (Class A), Add</i>	215.95	
			<i>For Work In Restricted Working Space, Add</i>	140.84	
23 31 13 13-1061	LF		48" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	530.45	287.43
			<i>For 3" WG (Class B), Add</i>	71.86	
			<i>For 4" Or 6" WG (Class A), Add</i>	153.30	
			<i>For 10" WG (Class A), Add</i>	220.36	
			<i>For Work In Restricted Working Space, Add</i>	143.72	
23 31 13 13-1062	LF		48" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	541.06	293.18
			<i>For 3" WG (Class B), Add</i>	73.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	156.36	
			<i>For 10" WG (Class A), Add</i>	224.77	
			<i>For Work In Restricted Working Space, Add</i>	146.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-1063	LF	48" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	551.68 74.73 159.43 229.18 149.46	298.93
23 31 13	13-1064	LF	48" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	562.28 76.17 162.49 233.58 152.34	304.67
23 31 13	13-1065	LF	48" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	572.89 77.61 165.56 237.99 155.21	310.43
23 31 13	13-1066	LF	50" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	530.45 71.86 153.30 220.36 143.72	287.43
23 31 13	13-1067	LF	50" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	541.06 73.29 156.36 224.77 146.59	293.18
23 31 13	13-1068	LF	50" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	551.68 74.73 159.43 229.18 149.46	298.93
23 31 13	13-1069	LF	50" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	562.28 76.17 162.49 233.58 152.34	304.67
23 31 13	13-1070	LF	50" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	572.89 77.61 165.56 237.99 155.21	310.43
23 31 13	13-1071	LF	50" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	583.48 79.04 168.62 242.39 158.08	316.17
23 31 13	13-1072	LF	52" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	551.68 74.73 159.43 229.18 149.46	298.93
23 31 13	13-1073	LF	52" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	562.28 76.17 162.49 233.58 152.34	304.67
23 31 13	13-1074	LF	52" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	572.89 77.61 165.56 237.99 155.21	310.43
23 31 13	13-1075	LF	52" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	583.48 79.04 168.62 242.39 158.08	316.17
23 31 13	13-1076	LF	52" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	594.11 80.48 171.69 246.81 160.96	321.92
23 31 13	13-1077	LF	54" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	572.89 77.61 165.56 237.99 155.21	310.43
23 31 13	13-1078	LF	54" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	583.48 79.04 168.62 242.39 158.08	316.17
23 31 13	13-1079	LF	54" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	594.11 80.48 171.69 246.81 160.96	321.92
23 31 13	13-1080	LF	54" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	604.73 81.92 174.76 251.22 163.84	327.67

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1081	LF		54" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	615.33	333.41
			<i>For 3" WG (Class B), Add</i>	83.36	
			<i>For 4" Or 6" WG (Class A), Add</i>	177.82	
			<i>For 10" WG (Class A), Add</i>	255.62	
			<i>For Work In Restricted Working Space, Add</i>	166.71	
23 31 13 13-1082	LF		54" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	625.93	339.16
			<i>For 3" WG (Class B), Add</i>	84.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	180.89	
			<i>For 10" WG (Class A), Add</i>	260.02	
			<i>For Work In Restricted Working Space, Add</i>	169.58	
23 31 13 13-1083	LF		56" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	594.11	321.92
			<i>For 3" WG (Class B), Add</i>	80.48	
			<i>For 4" Or 6" WG (Class A), Add</i>	171.69	
			<i>For 10" WG (Class A), Add</i>	246.81	
			<i>For Work In Restricted Working Space, Add</i>	160.96	
23 31 13 13-1084	LF		56" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	604.73	327.67
			<i>For 3" WG (Class B), Add</i>	81.92	
			<i>For 4" Or 6" WG (Class A), Add</i>	174.76	
			<i>For 10" WG (Class A), Add</i>	251.22	
			<i>For Work In Restricted Working Space, Add</i>	163.84	
23 31 13 13-1085	LF		56" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	615.33	333.41
			<i>For 3" WG (Class B), Add</i>	83.36	
			<i>For 4" Or 6" WG (Class A), Add</i>	177.82	
			<i>For 10" WG (Class A), Add</i>	255.62	
			<i>For Work In Restricted Working Space, Add</i>	166.71	
23 31 13 13-1086	LF		56" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	625.93	339.16
			<i>For 3" WG (Class B), Add</i>	84.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	180.89	
			<i>For 10" WG (Class A), Add</i>	260.02	
			<i>For Work In Restricted Working Space, Add</i>	169.58	
23 31 13 13-1087	LF		56" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	636.54	344.91
			<i>For 3" WG (Class B), Add</i>	86.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	183.96	
			<i>For 10" WG (Class A), Add</i>	264.44	
			<i>For Work In Restricted Working Space, Add</i>	172.46	
23 31 13 13-1088	LF		58" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	615.33	333.41
			<i>For 3" WG (Class B), Add</i>	83.36	
			<i>For 4" Or 6" WG (Class A), Add</i>	177.82	
			<i>For 10" WG (Class A), Add</i>	255.62	
			<i>For Work In Restricted Working Space, Add</i>	166.71	
23 31 13 13-1089	LF		58" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	625.93	339.16
			<i>For 3" WG (Class B), Add</i>	84.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	180.89	
			<i>For 10" WG (Class A), Add</i>	260.02	
			<i>For Work In Restricted Working Space, Add</i>	169.58	
23 31 13 13-1090	LF		58" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	636.54	344.91
			<i>For 3" WG (Class B), Add</i>	86.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	183.96	
			<i>For 10" WG (Class A), Add</i>	264.44	
			<i>For Work In Restricted Working Space, Add</i>	172.46	
23 31 13 13-1091	LF		58" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	647.15	350.67
			<i>For 3" WG (Class B), Add</i>	87.67	
			<i>For 4" Or 6" WG (Class A), Add</i>	187.02	
			<i>For 10" WG (Class A), Add</i>	268.84	
			<i>For Work In Restricted Working Space, Add</i>	175.33	
23 31 13 13-1092	LF		58" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	657.76	356.41
			<i>For 3" WG (Class B), Add</i>	89.10	
			<i>For 4" Or 6" WG (Class A), Add</i>	190.08	
			<i>For 10" WG (Class A), Add</i>	273.24	
			<i>For Work In Restricted Working Space, Add</i>	178.20	
23 31 13 13-1093	LF		60" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	636.54	344.91
			<i>For 3" WG (Class B), Add</i>	86.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	183.96	
			<i>For 10" WG (Class A), Add</i>	264.44	
			<i>For Work In Restricted Working Space, Add</i>	172.46	
23 31 13 13-1094	LF		60" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	647.15	350.67
			<i>For 3" WG (Class B), Add</i>	87.67	
			<i>For 4" Or 6" WG (Class A), Add</i>	187.02	
			<i>For 10" WG (Class A), Add</i>	268.84	
			<i>For Work In Restricted Working Space, Add</i>	175.33	
23 31 13 13-1095	LF		60" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	657.76	356.41
			<i>For 3" WG (Class B), Add</i>	89.10	
			<i>For 4" Or 6" WG (Class A), Add</i>	190.08	
			<i>For 10" WG (Class A), Add</i>	273.24	
			<i>For Work In Restricted Working Space, Add</i>	178.20	
23 31 13 13-1096	LF		60" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	668.37	362.16
			<i>For 3" WG (Class B), Add</i>	90.54	
			<i>For 4" Or 6" WG (Class A), Add</i>	193.15	
			<i>For 10" WG (Class A), Add</i>	277.66	
			<i>For Work In Restricted Working Space, Add</i>	181.08	
23 31 13 13-1097	LF		60" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	678.99	367.91
			<i>For 3" WG (Class B), Add</i>	91.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	196.22	
			<i>For 10" WG (Class A), Add</i>	282.07	
			<i>For Work In Restricted Working Space, Add</i>	183.96	
23 31 13 13-1098	LF		62" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	657.76	356.41
			<i>For 3" WG (Class B), Add</i>	89.10	
			<i>For 4" Or 6" WG (Class A), Add</i>	190.08	
			<i>For 10" WG (Class A), Add</i>	273.24	
			<i>For Work In Restricted Working Space, Add</i>	178.20	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-1099	LF	62" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	668.37 90.54 193.15 277.66 181.08	362.16
23 31 13	13-1100	LF	62" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	678.99 91.98 196.22 282.07 183.96	367.91
23 31 13	13-1101	LF	62" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	689.59 93.42 199.29 286.47 186.83	373.65
23 31 13	13-1102	LF	62" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	700.19 94.85 202.35 290.88 189.70	379.41
23 31 13	13-1103	LF	64" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	678.99 91.98 196.22 282.07 183.96	367.91
23 31 13	13-1104	LF	64" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	689.59 93.42 199.29 286.47 186.83	373.65
23 31 13	13-1105	LF	64" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	700.19 94.85 202.35 290.88 189.70	379.41
23 31 13	13-1106	LF	64" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	710.81 96.29 205.41 295.28 192.58	385.15
23 31 13	13-1107	LF	66" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	700.19 94.85 202.35 290.88 189.70	379.41
23 31 13	13-1108	LF	66" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	710.81 96.29 205.41 295.28 192.58	385.15
23 31 13	13-1109	LF	66" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	721.42 97.73 208.48 299.69 195.45	390.91
23 31 13	13-1110	LF	66" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	732.02 99.16 211.55 304.10 198.32	396.65
23 31 13	13-1111	LF	68" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	721.42 97.73 208.48 299.69 195.45	390.91
23 31 13	13-1112	LF	68" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	732.02 99.16 211.55 304.10 198.32	396.65
23 31 13	13-1113	LF	68" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	742.63 100.60 214.61 308.51 201.20	402.39
23 31 13	13-1114	LF	68" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	753.24 102.04 217.68 312.92 204.08	408.15
23 31 13	13-1115	LF	70" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	742.63 100.60 214.61 308.51 201.20	402.39
23 31 13	13-1116	LF	70" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	753.24 102.04 217.68 312.92 204.08	408.15

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-1117	LF 70" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	763.86	413.90
			For 3" WG (Class B), Add	103.47	
			For 4" Or 6" WG (Class A), Add	220.75	
			For 10" WG (Class A), Add	317.32	
			For Work In Restricted Working Space, Add	206.95	
23 31	13	13-1118	LF 70" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	774.46	419.65
			For 3" WG (Class B), Add	104.91	
			For 4" Or 6" WG (Class A), Add	223.81	
			For 10" WG (Class A), Add	321.73	
			For Work In Restricted Working Space, Add	209.82	
23 31	13	13-1119	LF 70" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	785.07	425.40
			For 3" WG (Class B), Add	106.35	
			For 4" Or 6" WG (Class A), Add	226.88	
			For 10" WG (Class A), Add	326.14	
			For Work In Restricted Working Space, Add	212.70	
23 31	13	13-1120	LF 70" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	795.66	431.15
			For 3" WG (Class B), Add	107.78	
			For 4" Or 6" WG (Class A), Add	229.94	
			For 10" WG (Class A), Add	330.54	
			For Work In Restricted Working Space, Add	215.57	
23 31	13	13-1121	LF 70" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	806.28	436.89
			For 3" WG (Class B), Add	109.22	
			For 4" Or 6" WG (Class A), Add	233.01	
			For 10" WG (Class A), Add	334.95	
			For Work In Restricted Working Space, Add	218.45	
23 31	13	13-1122	LF 70" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	816.91	442.64
			For 3" WG (Class B), Add	110.66	
			For 4" Or 6" WG (Class A), Add	236.08	
			For 10" WG (Class A), Add	339.36	
			For Work In Restricted Working Space, Add	221.32	
23 31	13	13-1123	LF 70" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	827.51	448.39
			For 3" WG (Class B), Add	112.10	
			For 4" Or 6" WG (Class A), Add	239.14	
			For 10" WG (Class A), Add	343.77	
			For Work In Restricted Working Space, Add	224.20	
23 31	13	13-1124	LF 72" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	763.86	413.90
			For 3" WG (Class B), Add	103.47	
			For 4" Or 6" WG (Class A), Add	220.75	
			For 10" WG (Class A), Add	317.32	
			For Work In Restricted Working Space, Add	206.95	
23 31	13	13-1125	LF 72" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	774.46	419.65
			For 3" WG (Class B), Add	104.91	
			For 4" Or 6" WG (Class A), Add	223.81	
			For 10" WG (Class A), Add	321.73	
			For Work In Restricted Working Space, Add	209.82	
23 31	13	13-1126	LF 72" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	785.07	425.40
			For 3" WG (Class B), Add	106.35	
			For 4" Or 6" WG (Class A), Add	226.88	
			For 10" WG (Class A), Add	326.14	
			For Work In Restricted Working Space, Add	212.70	
23 31	13	13-1127	LF 72" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	795.66	431.15
			For 3" WG (Class B), Add	107.78	
			For 4" Or 6" WG (Class A), Add	229.94	
			For 10" WG (Class A), Add	330.54	
			For Work In Restricted Working Space, Add	215.57	
23 31	13	13-1128	LF 72" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	806.28	436.89
			For 3" WG (Class B), Add	109.22	
			For 4" Or 6" WG (Class A), Add	233.01	
			For 10" WG (Class A), Add	334.95	
			For Work In Restricted Working Space, Add	218.45	
23 31	13	13-1129	LF 72" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	816.91	442.64
			For 3" WG (Class B), Add	110.66	
			For 4" Or 6" WG (Class A), Add	236.08	
			For 10" WG (Class A), Add	339.36	
			For Work In Restricted Working Space, Add	221.32	
23 31	13	13-1130	LF 72" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	827.51	448.39
			For 3" WG (Class B), Add	112.10	
			For 4" Or 6" WG (Class A), Add	239.14	
			For 10" WG (Class A), Add	343.77	
			For Work In Restricted Working Space, Add	224.20	
23 31	13	13-1131	LF 72" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	838.11	454.13
			For 3" WG (Class B), Add	113.53	
			For 4" Or 6" WG (Class A), Add	242.20	
			For 10" WG (Class A), Add	348.17	
			For Work In Restricted Working Space, Add	227.07	
23 31	13	13-1132	LF 74" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	785.07	425.40
			For 3" WG (Class B), Add	106.35	
			For 4" Or 6" WG (Class A), Add	226.88	
			For 10" WG (Class A), Add	326.14	
			For Work In Restricted Working Space, Add	212.70	
23 31	13	13-1133	LF 74" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	795.66	431.15
			For 3" WG (Class B), Add	107.78	
			For 4" Or 6" WG (Class A), Add	229.94	
			For 10" WG (Class A), Add	330.54	
			For Work In Restricted Working Space, Add	215.57	
23 31	13	13-1134	LF 74" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	806.28	436.89
			For 3" WG (Class B), Add	109.22	
			For 4" Or 6" WG (Class A), Add	233.01	
			For 10" WG (Class A), Add	334.95	
			For Work In Restricted Working Space, Add	218.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1135	LF		74" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	816.91 110.66 236.08 339.36 221.32	442.64
23 31 13 13-1136	LF		74" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	827.51 112.10 239.14 343.77 224.20	448.39
23 31 13 13-1137	LF		74" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	838.11 113.53 242.20 348.17 227.07	454.13
23 31 13 13-1138	LF		74" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	848.71 114.97 245.27 352.58 229.94	459.89
23 31 13 13-1139	LF		76" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	806.28 109.22 233.01 334.95 218.45	436.89
23 31 13 13-1140	LF		76" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	816.91 110.66 236.08 339.36 221.32	442.64
23 31 13 13-1141	LF		76" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	827.51 112.10 239.14 343.77 224.20	448.39
23 31 13 13-1142	LF		76" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	838.11 113.53 242.20 348.17 227.07	454.13
23 31 13 13-1143	LF		76" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	848.71 114.97 245.27 352.58 229.94	459.89
23 31 13 13-1144	LF		76" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	859.33 116.41 248.34 356.99 232.82	465.63
23 31 13 13-1145	LF		78" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	827.51 112.10 239.14 343.77 224.20	448.39
23 31 13 13-1146	LF		78" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	838.11 113.53 242.20 348.17 227.07	454.13
23 31 13 13-1147	LF		78" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	848.71 114.97 245.27 352.58 229.94	459.89
23 31 13 13-1148	LF		78" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	859.33 116.41 248.34 356.99 232.82	465.63
23 31 13 13-1149	LF		78" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	869.94 117.84 251.40 361.39 235.69	471.37
23 31 13 13-1150	LF		80" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	848.71 114.97 245.27 352.58 229.94	459.89
23 31 13 13-1151	LF		80" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	859.33 116.41 248.34 356.99 232.82	465.63
23 31 13 13-1152	LF		80" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork ..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	869.94 117.84 251.40 361.39 235.69	471.37

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1153	LF		80" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	890.13	482.88
			For 3" WG (Class B), Add	120.72	
			For 4" Or 6" WG (Class A), Add	257.54	
			For 10" WG (Class A), Add	370.21	
			For Work In Restricted Working Space, Add	241.44	
23 31 13 13-1154	LF		82" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	869.94	471.37
			For 3" WG (Class B), Add	117.84	
			For 4" Or 6" WG (Class A), Add	251.40	
			For 10" WG (Class A), Add	361.39	
			For Work In Restricted Working Space, Add	235.69	
23 31 13 13-1155	LF		82" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	880.55	477.14
			For 3" WG (Class B), Add	119.28	
			For 4" Or 6" WG (Class A), Add	254.47	
			For 10" WG (Class A), Add	365.80	
			For Work In Restricted Working Space, Add	238.57	
23 31 13 13-1156	LF		82" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	891.16	482.88
			For 3" WG (Class B), Add	120.72	
			For 4" Or 6" WG (Class A), Add	257.54	
			For 10" WG (Class A), Add	370.21	
			For Work In Restricted Working Space, Add	241.44	
23 31 13 13-1157	LF		84" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	891.16	482.88
			For 3" WG (Class B), Add	120.72	
			For 4" Or 6" WG (Class A), Add	257.54	
			For 10" WG (Class A), Add	370.21	
			For Work In Restricted Working Space, Add	241.44	
23 31 13 13-1158	LF		84" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	901.77	488.63
			For 3" WG (Class B), Add	122.16	
			For 4" Or 6" WG (Class A), Add	260.60	
			For 10" WG (Class A), Add	374.62	
			For Work In Restricted Working Space, Add	244.32	
23 31 13 13-1159	LF		86" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork .....	912.37	494.38
			For 3" WG (Class B), Add	123.59	
			For 4" Or 6" WG (Class A), Add	263.67	
			For 10" WG (Class A), Add	379.02	
			For Work In Restricted Working Space, Add	247.19	
<b>23 31 13 13-1160</b>			<b>Rework Sheet Metal Ductwork</b> <small>(23 31 13 13)</small>		
			Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.		
23 31 13 13-1161	LF		Up To 1 SF Cross Section, Rework Existing Ductwork .....	34.01	
23 31 13 13-1162	LF		>1 To 2 SF Cross Section, Rework Existing Ductwork .....	66.32	
23 31 13 13-1163	LF		>2 To 4 SF Cross Section, Rework Existing Ductwork .....	87.63	
23 31 13 13-1164	LF		>4 To 6 SF Cross Section, Rework Existing Ductwork .....	109.74	
23 31 13 13-1165	LF		>6 To 8 SF Cross Section, Rework Existing Ductwork .....	153.04	
23 31 13 13-1166	LF		>8 To 10 SF Cross Section, Rework Existing Ductwork .....	178.55	
23 31 13 13-1167	LF		>10 To 12 SF Cross Section, Rework Existing Ductwork .....	204.06	
23 31 13 13-1168	LF		>12 To 14 SF Cross Section, Rework Existing Ductwork .....	229.57	
<b>23 31 13 16</b>			<b>Round and Flat-Oval Spiral Ducts</b> <small>(23 31 13 16)</small>		
<b>23 31 13 16-0001</b>			<b>Low Pressure Round And Flat-Oval Duct</b> <small>(23 31 13 16)</small>		
			Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85" or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.		
<b>23 31 13 16-0002</b>			<b>2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Ducts</b> <small>(23 31 13 16-0001)</small>		
			Note: Includes straps and supports.		
23 31 13 16-0003	LF		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct .....	7.14	3.06
			For 3" WG (Class B), Add	0.94	
			For 4" Or 6" WG (Class A), Add	2.51	
			For 28 Gauge, Deduct	-0.12	
			For 24 Gauge, Add	0.12	
			For 18 Gauge, Add	0.48	
			For 20 Gauge, Add	0.36	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.64	
			For 16 Gauge, Add	0.59	
			For 22 Gauge, Add	0.24	
			For Work In Restricted Working Space, Add	1.88	
			For Elevated Installation >10' To 15', Add	0.63	
			For Elevated Installation >15' To 20', Add	1.25	
			For Elevated Installation >20' To 25', Add	1.57	
			For Elevated Installation >25' To 30', Add	2.19	
			For Elevated Installation >30' To 35', Add	2.51	
			For Elevated Installation >35' To 40', Add	3.14	
			For Elevated Installation >40', Add	3.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0004	LF		5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	8.07	3.48
			For 3" WG (Class B), Add	1.04	
			For 4" Or 6" WG (Class A), Add	2.78	
			For 28 Gauge, Deduct	-0.15	
			For 24 Gauge, Add	0.15	
			For 18 Gauge, Add	0.61	
			For 20 Gauge, Add	0.46	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.82	
			For 16 Gauge, Add	0.75	
			For 22 Gauge, Add	0.31	
			For Work In Restricted Working Space, Add	2.09	
			For Elevated Installation >10' To 15', Add	0.70	
			For Elevated Installation >15' To 20', Add	1.39	
			For Elevated Installation >20' To 25', Add	1.74	
			For Elevated Installation >25' To 30', Add	2.44	
			For Elevated Installation >30' To 35', Add	2.78	
			For Elevated Installation >35' To 40', Add	3.48	
			For Elevated Installation >40', Add	3.83	
23 31 13 16-0005	LF		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	9.10	4.17
			For 3" WG (Class B), Add	1.17	
			For 4" Or 6" WG (Class A), Add	3.13	
			For 28 Gauge, Deduct	-0.18	
			For 24 Gauge, Add	0.18	
			For 18 Gauge, Add	0.70	
			For 20 Gauge, Add	0.53	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.94	
			For 16 Gauge, Add	0.86	
			For 22 Gauge, Add	0.35	
			For Work In Restricted Working Space, Add	2.35	
			For Elevated Installation >10' To 15', Add	0.78	
			For Elevated Installation >15' To 20', Add	1.57	
			For Elevated Installation >20' To 25', Add	1.96	
			For Elevated Installation >25' To 30', Add	2.74	
			For Elevated Installation >30' To 35', Add	3.13	
			For Elevated Installation >35' To 40', Add	3.92	
			For Elevated Installation >40', Add	4.31	
23 31 13 16-0006	LF		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	10.45	4.87
			For 3" WG (Class B), Add	1.34	
			For 4" Or 6" WG (Class A), Add	3.58	
			For 28 Gauge, Deduct	-0.21	
			For 24 Gauge, Add	0.21	
			For 18 Gauge, Add	0.83	
			For 20 Gauge, Add	0.62	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.11	
			For 16 Gauge, Add	1.01	
			For 22 Gauge, Add	0.41	
			For Work In Restricted Working Space, Add	2.69	
			For Elevated Installation >10' To 15', Add	0.90	
			For Elevated Installation >15' To 20', Add	1.79	
			For Elevated Installation >20' To 25', Add	2.24	
			For Elevated Installation >25' To 30', Add	3.13	
			For Elevated Installation >30' To 35', Add	3.58	
			For Elevated Installation >35' To 40', Add	4.48	
			For Elevated Installation >40', Add	4.92	
23 31 13 16-0007	LF		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	12.11	5.56
			For 3" WG (Class B), Add	1.57	
			For 4" Or 6" WG (Class A), Add	4.18	
			For 28 Gauge, Deduct	-0.23	
			For 24 Gauge, Add	0.23	
			For 18 Gauge, Add	0.92	
			For 20 Gauge, Add	0.69	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.24	
			For 16 Gauge, Add	1.13	
			For 22 Gauge, Add	0.46	
			For Work In Restricted Working Space, Add	3.13	
			For Elevated Installation >10' To 15', Add	1.04	
			For Elevated Installation >15' To 20', Add	2.09	
			For Elevated Installation >20' To 25', Add	2.61	
			For Elevated Installation >25' To 30', Add	3.65	
			For Elevated Installation >30' To 35', Add	4.18	
			For Elevated Installation >35' To 40', Add	5.22	
			For Elevated Installation >40', Add	5.74	
23 31 13 16-0008	LF		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	14.58	6.96
			For 3" WG (Class B), Add	1.88	
			For 4" Or 6" WG (Class A), Add	5.01	
			For 28 Gauge, Deduct	-0.29	
			For 24 Gauge, Add	0.28	
			For 18 Gauge, Add	1.13	
			For 20 Gauge, Add	0.85	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.52	
			For 16 Gauge, Add	1.39	
			For 22 Gauge, Add	0.57	
			For Work In Restricted Working Space, Add	3.76	
			For Elevated Installation >10' To 15', Add	1.25	
			For Elevated Installation >15' To 20', Add	2.50	
			For Elevated Installation >20' To 25', Add	3.13	
			For Elevated Installation >25' To 30', Add	4.38	
			For Elevated Installation >30' To 35', Add	5.01	
			For Elevated Installation >35' To 40', Add	6.26	
			For Elevated Installation >40', Add	6.89	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0009	LF 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	18.19	9.33
	For 3" WG (Class B), Add	2.35	
	For 4" Or 6" WG (Class A), Add	6.26	
	For 28 Gauge, Deduct	-0.35	
	For 24 Gauge, Add	0.35	
	For 18 Gauge, Add	1.39	
	For 20 Gauge, Add	1.05	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.87	
	For 16 Gauge, Add	1.71	
	For 22 Gauge, Add	0.70	
	For Work In Restricted Working Space, Add	4.70	
	For Elevated Installation >10' To 15', Add	1.57	
	For Elevated Installation >15' To 20', Add	3.13	
	For Elevated Installation >20' To 25', Add	3.92	
	For Elevated Installation >25' To 30', Add	5.48	
	For Elevated Installation >30' To 35', Add	6.26	
	For Elevated Installation >35' To 40', Add	7.83	
	For Elevated Installation >40', Add	8.61	
23 31 13 16-0010	LF 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	22.52	13.92
	For 3" WG (Class B), Add	2.94	
	For 4" Or 6" WG (Class A), Add	7.83	
	For 28 Gauge, Deduct	-0.41	
	For 24 Gauge, Add	0.41	
	For 18 Gauge, Add	1.62	
	For 20 Gauge, Add	1.22	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.18	
	For 16 Gauge, Add	1.98	
	For 22 Gauge, Add	0.81	
	For Work In Restricted Working Space, Add	5.87	
	For Elevated Installation >10' To 15', Add	1.96	
	For Elevated Installation >15' To 20', Add	3.92	
	For Elevated Installation >20' To 25', Add	4.90	
	For Elevated Installation >25' To 30', Add	6.85	
	For Elevated Installation >30' To 35', Add	7.83	
	For Elevated Installation >35' To 40', Add	9.79	
	For Elevated Installation >40', Add	10.77	
23 31 13 16-0011	LF 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	30.45	18.65
	For 3" WG (Class B), Add	3.92	
	For 4" Or 6" WG (Class A), Add	10.44	
	For 28 Gauge, Deduct	-0.60	
	For 24 Gauge, Add	0.60	
	For 18 Gauge, Add	2.39	
	For 20 Gauge, Add	1.80	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.22	
	For 16 Gauge, Add	2.94	
	For 22 Gauge, Add	1.20	
	For Work In Restricted Working Space, Add	7.83	
	For Elevated Installation >10' To 15', Add	2.61	
	For Elevated Installation >15' To 20', Add	5.22	
	For Elevated Installation >20' To 25', Add	6.53	
	For Elevated Installation >25' To 30', Add	9.14	
	For Elevated Installation >30' To 35', Add	10.44	
	For Elevated Installation >35' To 40', Add	13.05	
	For Elevated Installation >40', Add	14.36	
23 31 13 16-0012	LF 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	36.16	22.41
	For 28 Gauge, Deduct	-0.67	
	For 24 Gauge, Add	0.67	
	For 18 Gauge, Add	2.66	
	For 20 Gauge, Add	2.00	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.58	
	For 16 Gauge, Add	3.27	
	For 22 Gauge, Add	1.33	
	For Work In Restricted Working Space, Add	9.40	
	For Elevated Installation >10' To 15', Add	3.13	
	For Elevated Installation >15' To 20', Add	6.26	
	For Elevated Installation >20' To 25', Add	7.83	
	For Elevated Installation >25' To 30', Add	10.96	
	For Elevated Installation >30' To 35', Add	12.53	
	For Elevated Installation >35' To 40', Add	15.66	
	For Elevated Installation >40', Add	17.23	
23 31 13 16-0013	LF 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	41.60	25.89
	For 28 Gauge, Deduct	-0.75	
	For 24 Gauge, Add	0.75	
	For 18 Gauge, Add	2.97	
	For 20 Gauge, Add	2.24	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.00	
	For 16 Gauge, Add	3.65	
	For 22 Gauge, Add	1.49	
	For Work In Restricted Working Space, Add	10.86	
	For Elevated Installation >10' To 15', Add	3.62	
	For Elevated Installation >15' To 20', Add	7.24	
	For Elevated Installation >20' To 25', Add	9.05	
	For Elevated Installation >25' To 30', Add	12.67	
	For Elevated Installation >30' To 35', Add	14.48	
	For Elevated Installation >35' To 40', Add	18.10	
	For Elevated Installation >40', Add	19.91	

23 31 13 16-0014 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval  
Adjustable Elbows (23 31 13 16-0001)  
Note: Up to 90 degree.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0015	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	41.26	18.58
			For 3" WG (Class B), Add	5.57	
			For 4" Or 6" WG (Class A), Add	14.86	
			For 28 Gauge, Deduct	-0.57	
			For 24 Gauge, Add	0.57	
			For 18 Gauge, Add	2.26	
			For 20 Gauge, Add	1.70	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.03	
			For 16 Gauge, Add	2.77	
			For 22 Gauge, Add	1.13	
			For Work In Restricted Working Space, Add	11.15	
			For Elevated Installation >10' To 15', Add	3.72	
			For Elevated Installation >15' To 20', Add	7.43	
			For Elevated Installation >20' To 25', Add	9.29	
			For Elevated Installation >25' To 30', Add	13.01	
			For Elevated Installation >30' To 35', Add	14.86	
			For Elevated Installation >35' To 40', Add	18.58	
			For Elevated Installation >40', Add	20.44	
23 31 13 16-0016	EA		5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	47.34	21.44
			For 3" WG (Class B), Add	6.43	
			For 4" Or 6" WG (Class A), Add	17.15	
			For 28 Gauge, Deduct	-0.62	
			For 24 Gauge, Add	0.62	
			For 18 Gauge, Add	2.45	
			For 20 Gauge, Add	1.85	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.30	
			For 16 Gauge, Add	3.01	
			For 22 Gauge, Add	1.23	
			For Work In Restricted Working Space, Add	12.86	
			For Elevated Installation >10' To 15', Add	4.29	
			For Elevated Installation >15' To 20', Add	8.58	
			For Elevated Installation >20' To 25', Add	10.72	
			For Elevated Installation >25' To 30', Add	15.01	
			For Elevated Installation >30' To 35', Add	17.15	
			For Elevated Installation >35' To 40', Add	21.44	
			For Elevated Installation >40', Add	23.58	
23 31 13 16-0017	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	55.69	25.33
			For 3" WG (Class B), Add	7.60	
			For 4" Or 6" WG (Class A), Add	20.27	
			For 28 Gauge, Deduct	-0.70	
			For 24 Gauge, Add	0.69	
			For 18 Gauge, Add	2.76	
			For 20 Gauge, Add	2.08	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.71	
			For 16 Gauge, Add	3.39	
			For 22 Gauge, Add	1.38	
			For Work In Restricted Working Space, Add	15.20	
			For Elevated Installation >10' To 15', Add	5.07	
			For Elevated Installation >15' To 20', Add	10.13	
			For Elevated Installation >20' To 25', Add	12.67	
			For Elevated Installation >25' To 30', Add	17.73	
			For Elevated Installation >30' To 35', Add	20.27	
			For Elevated Installation >35' To 40', Add	25.34	
			For Elevated Installation >40', Add	27.87	
23 31 13 16-0018	EA		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	71.32	32.57
			For 3" WG (Class B), Add	9.77	
			For 4" Or 6" WG (Class A), Add	26.06	
			For 28 Gauge, Deduct	-0.85	
			For 24 Gauge, Add	0.85	
			For 18 Gauge, Add	3.39	
			For 20 Gauge, Add	2.55	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.57	
			For 16 Gauge, Add	4.16	
			For 22 Gauge, Add	1.70	
			For Work In Restricted Working Space, Add	19.55	
			For Elevated Installation >10' To 15', Add	6.52	
			For Elevated Installation >15' To 20', Add	13.03	
			For Elevated Installation >20' To 25', Add	16.29	
			For Elevated Installation >25' To 30', Add	22.80	
			For Elevated Installation >30' To 35', Add	26.06	
			For Elevated Installation >35' To 40', Add	32.58	
			For Elevated Installation >40', Add	35.83	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0019	EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	86.01	39.67
	For 3" WG (Class B), Add	11.90	
	For 4" Or 6" WG (Class A), Add	31.74	
	For 28 Gauge, Deduct	-0.92	
	For 24 Gauge, Add	0.92	
	For 18 Gauge, Add	3.67	
	For 20 Gauge, Add	2.76	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.94	
	For 16 Gauge, Add	4.50	
	For 22 Gauge, Add	1.84	
	For Work In Restricted Working Space, Add	23.80	
	For Elevated Installation >10' To 15', Add	7.93	
	For Elevated Installation >15' To 20', Add	15.87	
	For Elevated Installation >20' To 25', Add	19.84	
	For Elevated Installation >25' To 30', Add	27.77	
	For Elevated Installation >30' To 35', Add	31.74	
	For Elevated Installation >35' To 40', Add	39.67	
	For Elevated Installation >40', Add	43.64	
23 31 13 16-0020	EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	132.68	61.94
	For 3" WG (Class B), Add	18.58	
	For 4" Or 6" WG (Class A), Add	49.56	
	For 28 Gauge, Deduct	-1.22	
	For 24 Gauge, Add	1.21	
	For 18 Gauge, Add	4.83	
	For 20 Gauge, Add	3.64	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.50	
	For 16 Gauge, Add	5.93	
	For 22 Gauge, Add	2.42	
	For Work In Restricted Working Space, Add	37.17	
	For Elevated Installation >10' To 15', Add	12.39	
	For Elevated Installation >15' To 20', Add	24.78	
	For Elevated Installation >20' To 25', Add	30.97	
	For Elevated Installation >25' To 30', Add	43.36	
	For Elevated Installation >30' To 35', Add	49.56	
	For Elevated Installation >35' To 40', Add	61.95	
	For Elevated Installation >40', Add	68.14	
23 31 13 16-0021	EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	183.13	85.61
	For 3" WG (Class B), Add	25.68	
	For 4" Or 6" WG (Class A), Add	68.48	
	For 28 Gauge, Deduct	-1.65	
	For 24 Gauge, Add	1.64	
	For 18 Gauge, Add	6.56	
	For 20 Gauge, Add	4.93	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.82	
	For 16 Gauge, Add	8.05	
	For 22 Gauge, Add	3.28	
	For Work In Restricted Working Space, Add	51.36	
	For Elevated Installation >10' To 15', Add	17.12	
	For Elevated Installation >15' To 20', Add	34.24	
	For Elevated Installation >20' To 25', Add	42.80	
	For Elevated Installation >25' To 30', Add	59.92	
	For Elevated Installation >30' To 35', Add	68.48	
	For Elevated Installation >35' To 40', Add	85.61	
	For Elevated Installation >40', Add	94.17	
23 31 13 16-0022	EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	220.81	101.26
	For 3" WG (Class B), Add	30.38	
	For 4" Or 6" WG (Class A), Add	81.02	
	For 28 Gauge, Deduct	-2.53	
	For 24 Gauge, Add	2.52	
	For 18 Gauge, Add	10.05	
	For 20 Gauge, Add	7.56	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.52	
	For 16 Gauge, Add	12.33	
	For 22 Gauge, Add	5.03	
	For Work In Restricted Working Space, Add	60.76	
	For Elevated Installation >10' To 15', Add	20.25	
	For Elevated Installation >15' To 20', Add	40.51	
	For Elevated Installation >20' To 25', Add	50.64	
	For Elevated Installation >25' To 30', Add	70.89	
	For Elevated Installation >30' To 35', Add	81.02	
	For Elevated Installation >35' To 40', Add	101.27	
	For Elevated Installation >40', Add	111.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 31 13 16-0023	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	248.90	111.35
			For 3" WG (Class B), Add	33.41	
			For 4" Or 6" WG (Class A), Add	89.09	
			For 28 Gauge, Deduct	-3.63	
			For 24 Gauge, Add	3.61	
			For 18 Gauge, Add	14.40	
			For 20 Gauge, Add	10.84	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.37	
			For 16 Gauge, Add	17.67	
			For 22 Gauge, Add	7.21	
			For Work In Restricted Working Space, Add	66.82	
			For Elevated Installation >10' To 15', Add	22.27	
			For Elevated Installation >15' To 20', Add	44.54	
			For Elevated Installation >20' To 25', Add	55.68	
			For Elevated Installation >25' To 30', Add	77.95	
			For Elevated Installation >30' To 35', Add	89.09	
			For Elevated Installation >35' To 40', Add	111.36	
			For Elevated Installation >40', Add	122.50	
23 31 13 16-0024	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	270.95	115.88
			For 3" WG (Class B), Add	34.76	
			For 4" Or 6" WG (Class A), Add	92.70	
			For 28 Gauge, Deduct	-5.43	
			For 24 Gauge, Add	5.41	
			For 18 Gauge, Add	21.55	
			For 20 Gauge, Add	16.22	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.00	
			For 16 Gauge, Add	26.45	
			For 22 Gauge, Add	10.80	
			For Work In Restricted Working Space, Add	69.53	
			For Elevated Installation >10' To 15', Add	23.18	
			For Elevated Installation >15' To 20', Add	46.35	
			For Elevated Installation >20' To 25', Add	57.94	
			For Elevated Installation >25' To 30', Add	81.12	
			For Elevated Installation >30' To 35', Add	92.70	
			For Elevated Installation >35' To 40', Add	115.88	
			For Elevated Installation >40', Add	127.47	
			For 10" WG (Class A), Add	106.61	
23 31 13 16-0025	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	291.67	119.71
			For 3" WG (Class B), Add	35.91	
			For 4" Or 6" WG (Class A), Add	95.76	
			For 28 Gauge, Deduct	-7.24	
			For 24 Gauge, Add	7.21	
			For 18 Gauge, Add	28.74	
			For 20 Gauge, Add	21.64	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	38.67	
			For 16 Gauge, Add	35.28	
			For 22 Gauge, Add	14.40	
			For Work In Restricted Working Space, Add	71.82	
			For Elevated Installation >10' To 15', Add	23.94	
			For Elevated Installation >15' To 20', Add	47.88	
			For Elevated Installation >20' To 25', Add	59.85	
			For Elevated Installation >25' To 30', Add	83.79	
			For Elevated Installation >30' To 35', Add	95.76	
			For Elevated Installation >35' To 40', Add	119.71	
			For Elevated Installation >40', Add	131.68	
			For 10" WG (Class A), Add	110.13	

23 31 13 16-0026 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows (23 31 13 16-0001)

23 31 13 16-0027	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	34.77	12.52
			For 3" WG (Class B), Add	4.70	
			For 4" Or 6" WG (Class A), Add	12.53	
			For 28 Gauge, Deduct	-0.48	
			For 24 Gauge, Add	0.48	
			For 18 Gauge, Add	1.90	
			For 20 Gauge, Add	1.43	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.55	
			For 16 Gauge, Add	2.33	
			For 22 Gauge, Add	0.95	
			For Work In Restricted Working Space, Add	9.40	
			For Elevated Installation >10' To 15', Add	3.13	
			For Elevated Installation >15' To 20', Add	6.26	
			For Elevated Installation >20' To 25', Add	7.83	
			For Elevated Installation >25' To 30', Add	10.96	
			For Elevated Installation >30' To 35', Add	12.53	
			For Elevated Installation >35' To 40', Add	15.66	
			For Elevated Installation >40', Add	17.23	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0028	EA 5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	39.72	14.34
	For 3" WG (Class B), Add	5.37	
	For 4" Or 6" WG (Class A), Add	14.32	
	For 28 Gauge, Deduct	-0.54	
	For 24 Gauge, Add	0.54	
	For 18 Gauge, Add	2.16	
	For 20 Gauge, Add	1.63	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.91	
	For 16 Gauge, Add	2.65	
	For 22 Gauge, Add	1.08	
	For Work In Restricted Working Space, Add	10.74	
	For Elevated Installation >10' To 15', Add	3.58	
	For Elevated Installation >15' To 20', Add	7.16	
	For Elevated Installation >20' To 25', Add	8.95	
	For Elevated Installation >25' To 30', Add	12.53	
	For Elevated Installation >30' To 35', Add	14.32	
	For Elevated Installation >35' To 40', Add	17.90	
	For Elevated Installation >40', Add	19.68	
23 31 13 16-0029	EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	46.24	16.70
	For 3" WG (Class B), Add	6.26	
	For 4" Or 6" WG (Class A), Add	16.70	
	For 28 Gauge, Deduct	-0.62	
	For 24 Gauge, Add	0.62	
	For 18 Gauge, Add	2.46	
	For 20 Gauge, Add	1.85	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.32	
	For 16 Gauge, Add	3.02	
	For 22 Gauge, Add	1.23	
	For Work In Restricted Working Space, Add	12.53	
	For Elevated Installation >10' To 15', Add	4.18	
	For Elevated Installation >15' To 20', Add	8.35	
	For Elevated Installation >20' To 25', Add	10.44	
	For Elevated Installation >25' To 30', Add	14.62	
	For Elevated Installation >30' To 35', Add	16.70	
	For Elevated Installation >35' To 40', Add	20.88	
	For Elevated Installation >40', Add	22.97	
23 31 13 16-0030	EA 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	54.85	20.04
	For 3" WG (Class B), Add	7.52	
	For 4" Or 6" WG (Class A), Add	20.04	
	For 28 Gauge, Deduct	-0.66	
	For 24 Gauge, Add	0.65	
	For 18 Gauge, Add	2.61	
	For 20 Gauge, Add	1.96	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.51	
	For 16 Gauge, Add	3.20	
	For 22 Gauge, Add	1.31	
	For Work In Restricted Working Space, Add	15.03	
	For Elevated Installation >10' To 15', Add	5.01	
	For Elevated Installation >15' To 20', Add	10.02	
	For Elevated Installation >20' To 25', Add	12.53	
	For Elevated Installation >25' To 30', Add	17.54	
	For Elevated Installation >30' To 35', Add	20.04	
	For Elevated Installation >35' To 40', Add	25.06	
	For Elevated Installation >40', Add	27.56	
23 31 13 16-0031	EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	68.14	25.06
	For 3" WG (Class B), Add	9.40	
	For 4" Or 6" WG (Class A), Add	25.06	
	For 28 Gauge, Deduct	-0.76	
	For 24 Gauge, Add	0.76	
	For 18 Gauge, Add	3.03	
	For 20 Gauge, Add	2.28	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.07	
	For 16 Gauge, Add	3.71	
	For 22 Gauge, Add	1.52	
	For Work In Restricted Working Space, Add	18.79	
	For Elevated Installation >10' To 15', Add	6.26	
	For Elevated Installation >15' To 20', Add	12.53	
	For Elevated Installation >20' To 25', Add	15.66	
	For Elevated Installation >25' To 30', Add	21.92	
	For Elevated Installation >30' To 35', Add	25.06	
	For Elevated Installation >35' To 40', Add	31.32	
	For Elevated Installation >40', Add	34.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0032	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	91.38	33.41
			For 3" WG (Class B), Add	12.53	
			For 4" Or 6" WG (Class A), Add	33.41	
			For 28 Gauge, Deduct	-1.09	
			For 24 Gauge, Add	1.08	
			For 18 Gauge, Add	4.32	
			For 20 Gauge, Add	3.25	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.82	
			For 16 Gauge, Add	5.31	
			For 22 Gauge, Add	2.17	
			For Work In Restricted Working Space, Add	25.06	
			For Elevated Installation >10' To 15', Add	8.35	
			For Elevated Installation >15' To 20', Add	16.70	
			For Elevated Installation >20' To 25', Add	20.88	
			For Elevated Installation >25' To 30', Add	29.23	
			For Elevated Installation >30' To 35', Add	33.41	
			For Elevated Installation >35' To 40', Add	41.76	
			For Elevated Installation >40', Add	45.94	
23 31 13 16-0033	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	135.68	50.11
			For 3" WG (Class B), Add	18.79	
			For 4" Or 6" WG (Class A), Add	50.11	
			For 28 Gauge, Deduct	-1.44	
			For 24 Gauge, Add	1.44	
			For 18 Gauge, Add	5.72	
			For 20 Gauge, Add	4.31	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.70	
			For 16 Gauge, Add	7.02	
			For 22 Gauge, Add	2.87	
			For Work In Restricted Working Space, Add	37.58	
			For Elevated Installation >10' To 15', Add	12.53	
			For Elevated Installation >15' To 20', Add	25.06	
			For Elevated Installation >20' To 25', Add	31.32	
			For Elevated Installation >25' To 30', Add	43.85	
			For Elevated Installation >30' To 35', Add	50.11	
			For Elevated Installation >35' To 40', Add	62.64	
			For Elevated Installation >40', Add	68.90	
23 31 13 16-0034	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	179.55	64.03
			For 3" WG (Class B), Add	24.01	
			For 4" Or 6" WG (Class A), Add	64.03	
			For 28 Gauge, Deduct	-2.70	
			For 24 Gauge, Add	2.69	
			For 18 Gauge, Add	10.71	
			For 20 Gauge, Add	8.06	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.42	
			For 16 Gauge, Add	13.15	
			For 22 Gauge, Add	5.37	
			For Work In Restricted Working Space, Add	48.02	
			For Elevated Installation >10' To 15', Add	16.01	
			For Elevated Installation >15' To 20', Add	32.01	
			For Elevated Installation >20' To 25', Add	40.02	
			For Elevated Installation >25' To 30', Add	56.02	
			For Elevated Installation >30' To 35', Add	64.03	
			For Elevated Installation >35' To 40', Add	80.04	
			For Elevated Installation >40', Add	88.04	
23 31 13 16-0035	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	225.67	80.73
			For 3" WG (Class B), Add	30.28	
			For 4" Or 6" WG (Class A), Add	80.74	
			For 28 Gauge, Deduct	-3.30	
			For 24 Gauge, Add	3.29	
			For 18 Gauge, Add	13.11	
			For 20 Gauge, Add	9.87	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.63	
			For 16 Gauge, Add	16.09	
			For 22 Gauge, Add	6.57	
			For Work In Restricted Working Space, Add	60.55	
			For Elevated Installation >10' To 15', Add	20.18	
			For Elevated Installation >15' To 20', Add	40.37	
			For Elevated Installation >20' To 25', Add	50.46	
			For Elevated Installation >25' To 30', Add	70.64	
			For Elevated Installation >30' To 35', Add	80.74	
			For Elevated Installation >35' To 40', Add	100.92	
			For Elevated Installation >40', Add	111.01	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0036	EA 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	247.21	84.21
	For 3" WG (Class B), Add	31.53	
	For 4" Or 6" WG (Class A), Add	84.08	
	For 28 Gauge, Deduct	-5.13	
	For 24 Gauge, Add	5.11	
	For 18 Gauge, Add	20.36	
	For 20 Gauge, Add	15.33	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.39	
	For 16 Gauge, Add	24.99	
	For 22 Gauge, Add	10.20	
	For Work In Restricted Working Space, Add	63.06	
	For Elevated Installation >10' To 15', Add	21.02	
	For Elevated Installation >15' To 20', Add	42.04	
	For Elevated Installation >20' To 25', Add	52.55	
	For Elevated Installation >25' To 30', Add	73.57	
	For Elevated Installation >30' To 35', Add	84.08	
	For Elevated Installation >35' To 40', Add	105.10	
	For Elevated Installation >40', Add	115.60	
	For 10" WG (Class A), Add	96.69	
23 31 13 16-0037	EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	265.11	86.30
	For 3" WG (Class B), Add	32.36	
	For 4" Or 6" WG (Class A), Add	86.30	
	For 28 Gauge, Deduct	-6.84	
	For 24 Gauge, Add	6.81	
	For 18 Gauge, Add	27.15	
	For 20 Gauge, Add	20.44	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	36.53	
	For 16 Gauge, Add	33.32	
	For 22 Gauge, Add	13.60	
	For Work In Restricted Working Space, Add	64.73	
	For Elevated Installation >10' To 15', Add	21.58	
	For Elevated Installation >15' To 20', Add	43.15	
	For Elevated Installation >20' To 25', Add	53.94	
	For Elevated Installation >25' To 30', Add	75.51	
	For Elevated Installation >30' To 35', Add	86.30	
	For Elevated Installation >35' To 40', Add	107.88	
	For Elevated Installation >40', Add	118.66	
	For 10" WG (Class A), Add	99.25	
23 31 13 16-0038	2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows <small>(23 31 13 16-0001)</small>		
23 31 13 16-0039	EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	33.49	12.52
	For 3" WG (Class B), Add	4.70	
	For 4" Or 6" WG (Class A), Add	12.53	
	For 28 Gauge, Deduct	-0.30	
	For 24 Gauge, Add	0.30	
	For 18 Gauge, Add	1.19	
	For 20 Gauge, Add	0.90	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.61	
	For 16 Gauge, Add	1.46	
	For 22 Gauge, Add	0.60	
	For Work In Restricted Working Space, Add	9.40	
	For Elevated Installation >10' To 15', Add	3.13	
	For Elevated Installation >15' To 20', Add	6.26	
	For Elevated Installation >20' To 25', Add	7.83	
	For Elevated Installation >25' To 30', Add	10.96	
	For Elevated Installation >30' To 35', Add	12.53	
	For Elevated Installation >35' To 40', Add	15.66	
	For Elevated Installation >40', Add	17.23	
23 31 13 16-0040	EA 5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	38.57	14.34
	For 3" WG (Class B), Add	5.37	
	For 4" Or 6" WG (Class A), Add	14.32	
	For 28 Gauge, Deduct	-0.39	
	For 24 Gauge, Add	0.38	
	For 18 Gauge, Add	1.53	
	For 20 Gauge, Add	1.15	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.06	
	For 16 Gauge, Add	1.88	
	For 22 Gauge, Add	0.77	
	For Work In Restricted Working Space, Add	10.74	
	For Elevated Installation >10' To 15', Add	3.58	
	For Elevated Installation >15' To 20', Add	7.16	
	For Elevated Installation >20' To 25', Add	8.95	
	For Elevated Installation >25' To 30', Add	12.53	
	For Elevated Installation >30' To 35', Add	14.32	
	For Elevated Installation >35' To 40', Add	17.90	
	For Elevated Installation >40', Add	19.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0041	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	44.80	16.70
			For 3" WG (Class B), Add	6.26	
			For 4" Or 6" WG (Class A), Add	16.70	
			For 28 Gauge, Deduct	-0.42	
			For 24 Gauge, Add	0.42	
			For 18 Gauge, Add	1.67	
			For 20 Gauge, Add	1.26	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.25	
			For 16 Gauge, Add	2.05	
			For 22 Gauge, Add	0.84	
			For Work In Restricted Working Space, Add	12.53	
			For Elevated Installation >10' To 15', Add	4.18	
			For Elevated Installation >15' To 20', Add	8.35	
			For Elevated Installation >20' To 25', Add	10.44	
			For Elevated Installation >25' To 30', Add	14.62	
			For Elevated Installation >30' To 35', Add	16.70	
			For Elevated Installation >35' To 40', Add	20.88	
			For Elevated Installation >40', Add	22.97	
23 31 13 16-0042	EA		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	53.63	20.04
			For 3" WG (Class B), Add	7.52	
			For 4" Or 6" WG (Class A), Add	20.04	
			For 28 Gauge, Deduct	-0.49	
			For 24 Gauge, Add	0.49	
			For 18 Gauge, Add	1.94	
			For 20 Gauge, Add	1.46	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.60	
			For 16 Gauge, Add	2.38	
			For 22 Gauge, Add	0.97	
			For Work In Restricted Working Space, Add	15.03	
			For Elevated Installation >10' To 15', Add	5.01	
			For Elevated Installation >15' To 20', Add	10.02	
			For Elevated Installation >20' To 25', Add	12.53	
			For Elevated Installation >25' To 30', Add	17.54	
			For Elevated Installation >30' To 35', Add	20.04	
			For Elevated Installation >35' To 40', Add	25.06	
			For Elevated Installation >40', Add	27.56	
23 31 13 16-0043	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	66.64	25.06
			For 3" WG (Class B), Add	9.40	
			For 4" Or 6" WG (Class A), Add	25.06	
			For 28 Gauge, Deduct	-0.55	
			For 24 Gauge, Add	0.55	
			For 18 Gauge, Add	2.20	
			For 20 Gauge, Add	1.66	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.96	
			For 16 Gauge, Add	2.70	
			For 22 Gauge, Add	1.10	
			For Work In Restricted Working Space, Add	18.79	
			For Elevated Installation >10' To 15', Add	6.26	
			For Elevated Installation >15' To 20', Add	12.53	
			For Elevated Installation >20' To 25', Add	15.66	
			For Elevated Installation >25' To 30', Add	21.92	
			For Elevated Installation >30' To 35', Add	25.06	
			For Elevated Installation >35' To 40', Add	31.32	
			For Elevated Installation >40', Add	34.45	
23 31 13 16-0044	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	89.63	33.41
			For 3" WG (Class B), Add	12.53	
			For 4" Or 6" WG (Class A), Add	33.41	
			For 28 Gauge, Deduct	-0.85	
			For 24 Gauge, Add	0.84	
			For 18 Gauge, Add	3.36	
			For 20 Gauge, Add	2.53	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.52	
			For 16 Gauge, Add	4.12	
			For 22 Gauge, Add	1.68	
			For Work In Restricted Working Space, Add	25.06	
			For Elevated Installation >10' To 15', Add	8.35	
			For Elevated Installation >15' To 20', Add	16.70	
			For Elevated Installation >20' To 25', Add	20.88	
			For Elevated Installation >25' To 30', Add	29.23	
			For Elevated Installation >30' To 35', Add	33.41	
			For Elevated Installation >35' To 40', Add	41.76	
			For Elevated Installation >40', Add	45.94	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0045	EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	133.14	50.11
	For 3" WG (Class B), Add	18.79	
	For 4" Or 6" WG (Class A), Add	50.11	
	For 28 Gauge, Deduct	-1.09	
	For 24 Gauge, Add	1.08	
	For 18 Gauge, Add	4.32	
	For 20 Gauge, Add	3.25	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.82	
	For 16 Gauge, Add	5.31	
	For 22 Gauge, Add	2.17	
	For Work In Restricted Working Space, Add	37.58	
	For Elevated Installation >10' To 15', Add	12.53	
	For Elevated Installation >15' To 20', Add	25.06	
	For Elevated Installation >20' To 25', Add	31.32	
	For Elevated Installation >25' To 30', Add	43.85	
	For Elevated Installation >30' To 35', Add	50.11	
	For Elevated Installation >35' To 40', Add	62.64	
	For Elevated Installation >40', Add	68.90	
23 31 13 16-0046	EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	173.68	64.03
	For 3" WG (Class B), Add	24.01	
	For 4" Or 6" WG (Class A), Add	64.03	
	For 28 Gauge, Deduct	-1.88	
	For 24 Gauge, Add	1.88	
	For 18 Gauge, Add	7.49	
	For 20 Gauge, Add	5.63	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.07	
	For 16 Gauge, Add	9.19	
	For 22 Gauge, Add	3.75	
	For Work In Restricted Working Space, Add	48.02	
	For Elevated Installation >10' To 15', Add	16.01	
	For Elevated Installation >15' To 20', Add	32.01	
	For Elevated Installation >20' To 25', Add	40.02	
	For Elevated Installation >25' To 30', Add	56.02	
	For Elevated Installation >30' To 35', Add	64.03	
	For Elevated Installation >35' To 40', Add	80.04	
	For Elevated Installation >40', Add	88.04	
23 31 13 16-0047	EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	224.16	80.73
	For 3" WG (Class B), Add	30.28	
	For 4" Or 6" WG (Class A), Add	80.74	
	For 28 Gauge, Deduct	-3.09	
	For 24 Gauge, Add	3.08	
	For 18 Gauge, Add	12.28	
	For 20 Gauge, Add	9.24	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.52	
	For 16 Gauge, Add	15.07	
	For 22 Gauge, Add	6.15	
	For Work In Restricted Working Space, Add	60.55	
	For Elevated Installation >10' To 15', Add	20.18	
	For Elevated Installation >15' To 20', Add	40.37	
	For Elevated Installation >20' To 25', Add	50.46	
	For Elevated Installation >25' To 30', Add	70.64	
	For Elevated Installation >30' To 35', Add	80.74	
	For Elevated Installation >35' To 40', Add	100.92	
	For Elevated Installation >40', Add	111.01	
23 31 13 16-0048	EA 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	237.17	84.21
	For 3" WG (Class B), Add	31.53	
	For 4" Or 6" WG (Class A), Add	84.08	
	For 28 Gauge, Deduct	-3.74	
	For 24 Gauge, Add	3.72	
	For 18 Gauge, Add	14.84	
	For 20 Gauge, Add	11.17	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.97	
	For 16 Gauge, Add	18.21	
	For 22 Gauge, Add	7.43	
	For Work In Restricted Working Space, Add	63.06	
	For Elevated Installation >10' To 15', Add	21.02	
	For Elevated Installation >15' To 20', Add	42.04	
	For Elevated Installation >20' To 25', Add	52.55	
	For Elevated Installation >25' To 30', Add	73.57	
	For Elevated Installation >30' To 35', Add	84.08	
	For Elevated Installation >35' To 40', Add	105.10	
	For Elevated Installation >40', Add	115.60	
	For 10" WG (Class A), Add	96.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 31 13 16-0049	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	250.31	86.30
			For 3" WG (Class B), Add	32.36	
			For 4" Or 6" WG (Class A), Add	86.30	
			For 28 Gauge, Deduct	-4.79	
			For 24 Gauge, Add	4.77	
			For 18 Gauge, Add	19.01	
			For 20 Gauge, Add	14.31	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.57	
			For 16 Gauge, Add	23.33	
			For 22 Gauge, Add	9.52	
			For Work In Restricted Working Space, Add	64.73	
			For Elevated Installation >10' To 15', Add	21.58	
			For Elevated Installation >15' To 20', Add	43.15	
			For Elevated Installation >20' To 25', Add	53.94	
			For Elevated Installation >25' To 30', Add	75.51	
			For Elevated Installation >30' To 35', Add	86.30	
			For Elevated Installation >35' To 40', Add	107.88	
			For Elevated Installation >40', Add	118.66	
			For 10" WG (Class A), Add	99.25	

23 31 13 16-0050 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval

Tees (23 31 13 16-0001)

23 31 13 16-0051	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	51.81	18.79
			For 3" WG (Class B), Add	7.05	
			For 4" Or 6" WG (Class A), Add	18.79	
			For 28 Gauge, Deduct	-0.67	
			For 24 Gauge, Add	0.67	
			For 18 Gauge, Add	2.66	
			For 20 Gauge, Add	2.00	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.57	
			For 16 Gauge, Add	3.26	
			For 22 Gauge, Add	1.33	
			For Work In Restricted Working Space, Add	14.09	
			For Elevated Installation >10' To 15', Add	4.70	
			For Elevated Installation >15' To 20', Add	9.40	
			For Elevated Installation >20' To 25', Add	11.75	
			For Elevated Installation >25' To 30', Add	16.44	
			For Elevated Installation >30' To 35', Add	18.79	
			For Elevated Installation >35' To 40', Add	23.49	
			For Elevated Installation >40', Add	25.84	
23 31 13 16-0052	EA		5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	60.10	21.44
			For 3" WG (Class B), Add	8.05	
			For 4" Or 6" WG (Class A), Add	21.48	
			For 28 Gauge, Deduct	-0.89	
			For 24 Gauge, Add	0.88	
			For 18 Gauge, Add	3.53	
			For 20 Gauge, Add	2.65	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.74	
			For 16 Gauge, Add	4.33	
			For 22 Gauge, Add	1.77	
			For Work In Restricted Working Space, Add	16.11	
			For Elevated Installation >10' To 15', Add	5.37	
			For Elevated Installation >15' To 20', Add	10.74	
			For Elevated Installation >20' To 25', Add	13.42	
			For Elevated Installation >25' To 30', Add	18.79	
			For Elevated Installation >30' To 35', Add	21.48	
			For Elevated Installation >35' To 40', Add	26.85	
			For Elevated Installation >40', Add	29.53	
23 31 13 16-0053	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	69.60	25.06
			For 3" WG (Class B), Add	9.40	
			For 4" Or 6" WG (Class A), Add	25.06	
			For 28 Gauge, Deduct	-0.96	
			For 24 Gauge, Add	0.96	
			For 18 Gauge, Add	3.83	
			For 20 Gauge, Add	2.88	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.15	
			For 16 Gauge, Add	4.70	
			For 22 Gauge, Add	1.92	
			For Work In Restricted Working Space, Add	18.79	
			For Elevated Installation >10' To 15', Add	6.26	
			For Elevated Installation >15' To 20', Add	12.53	
			For Elevated Installation >20' To 25', Add	15.66	
			For Elevated Installation >25' To 30', Add	21.92	
			For Elevated Installation >30' To 35', Add	25.06	
			For Elevated Installation >35' To 40', Add	31.32	
			For Elevated Installation >40', Add	34.45	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0054	EA 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee .....	83.17	30.07
	For 3" WG (Class B), Add	11.27	
	For 4" Or 6" WG (Class A), Add	30.06	
	For 28 Gauge, Deduct	-1.11	
	For 24 Gauge, Add	1.11	
	For 18 Gauge, Add	4.41	
	For 20 Gauge, Add	3.32	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.93	
	For 16 Gauge, Add	5.41	
	For 22 Gauge, Add	2.21	
	For Work In Restricted Working Space, Add	22.55	
	For Elevated Installation >10' To 15', Add	7.52	
	For Elevated Installation >15' To 20', Add	15.03	
	For Elevated Installation >20' To 25', Add	18.79	
	For Elevated Installation >25' To 30', Add	26.31	
	For Elevated Installation >30' To 35', Add	30.06	
	For Elevated Installation >35' To 40', Add	37.58	
	For Elevated Installation >40', Add	41.34	
23 31 13 16-0055	EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee .....	106.91	37.58
	For 3" WG (Class B), Add	14.10	
	For 4" Or 6" WG (Class A), Add	37.59	
	For 28 Gauge, Deduct	-1.79	
	For 24 Gauge, Add	1.79	
	For 18 Gauge, Add	7.12	
	For 20 Gauge, Add	5.36	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.58	
	For 16 Gauge, Add	8.73	
	For 22 Gauge, Add	3.56	
	For Work In Restricted Working Space, Add	28.19	
	For Elevated Installation >10' To 15', Add	9.40	
	For Elevated Installation >15' To 20', Add	18.79	
	For Elevated Installation >20' To 25', Add	23.49	
	For Elevated Installation >25' To 30', Add	32.89	
	For Elevated Installation >30' To 35', Add	37.59	
	For Elevated Installation >35' To 40', Add	46.99	
	For Elevated Installation >40', Add	51.68	
23 31 13 16-0056	EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee .....	141.79	50.11
	For 3" WG (Class B), Add	18.79	
	For 4" Or 6" WG (Class A), Add	50.11	
	For 28 Gauge, Deduct	-2.29	
	For 24 Gauge, Add	2.28	
	For 18 Gauge, Add	9.08	
	For 20 Gauge, Add	6.84	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.22	
	For 16 Gauge, Add	11.14	
	For 22 Gauge, Add	4.55	
	For Work In Restricted Working Space, Add	37.58	
	For Elevated Installation >10' To 15', Add	12.53	
	For Elevated Installation >15' To 20', Add	25.06	
	For Elevated Installation >20' To 25', Add	31.32	
	For Elevated Installation >25' To 30', Add	43.85	
	For Elevated Installation >30' To 35', Add	50.11	
	For Elevated Installation >35' To 40', Add	62.64	
	For Elevated Installation >40', Add	68.90	
23 31 13 16-0057	EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee .....	204.39	75.17
	For 3" WG (Class B), Add	28.18	
	For 4" Or 6" WG (Class A), Add	75.15	
	For 28 Gauge, Deduct	-2.29	
	For 24 Gauge, Add	2.28	
	For 18 Gauge, Add	9.08	
	For 20 Gauge, Add	6.84	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.22	
	For 16 Gauge, Add	11.14	
	For 22 Gauge, Add	4.55	
	For Work In Restricted Working Space, Add	56.36	
	For Elevated Installation >10' To 15', Add	18.79	
	For Elevated Installation >15' To 20', Add	37.58	
	For Elevated Installation >20' To 25', Add	46.97	
	For Elevated Installation >25' To 30', Add	65.76	
	For Elevated Installation >30' To 35', Add	75.15	
	For Elevated Installation >35' To 40', Add	93.94	
	For Elevated Installation >40', Add	103.33	
23 31 13 16-0058	EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee .....	271.45	95.77
	For 3" WG (Class B), Add	36.00	
	For 4" Or 6" WG (Class A), Add	96.00	
	For 28 Gauge, Deduct	-4.36	
	For 24 Gauge, Add	4.34	
	For 18 Gauge, Add	17.30	
	For 20 Gauge, Add	13.02	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.27	
	For 16 Gauge, Add	21.23	
	For 22 Gauge, Add	8.66	
	For Work In Restricted Working Space, Add	72.00	
	For Elevated Installation >10' To 15', Add	24.00	
	For Elevated Installation >15' To 20', Add	48.00	
	For Elevated Installation >20' To 25', Add	60.00	
	For Elevated Installation >25' To 30', Add	84.00	
	For Elevated Installation >30' To 35', Add	96.00	
	For Elevated Installation >35' To 40', Add	120.00	
	For Elevated Installation >40', Add	132.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0059	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	346.75	121.38
			For 3" WG (Class B), Add	45.39	
			For 4" Or 6" WG (Class A), Add	121.04	
			For 28 Gauge, Deduct	-6.11	
			For 24 Gauge, Add	6.09	
			For 18 Gauge, Add	24.28	
			For 20 Gauge, Add	18.28	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.67	
			For 16 Gauge, Add	29.80	
			For 22 Gauge, Add	12.16	
			For Work In Restricted Working Space, Add	90.78	
			For Elevated Installation >10' To 15', Add	30.26	
			For Elevated Installation >15' To 20', Add	60.52	
			For Elevated Installation >20' To 25', Add	75.65	
			For Elevated Installation >25' To 30', Add	105.91	
			For Elevated Installation >30' To 35', Add	121.04	
			For Elevated Installation >35' To 40', Add	151.30	
			For Elevated Installation >40', Add	166.43	
23 31 13 16-0060	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	394.49	135.02
			For 3" WG (Class B), Add	50.74	
			For 4" Or 6" WG (Class A), Add	135.30	
			For 28 Gauge, Deduct	-7.79	
			For 24 Gauge, Add	7.76	
			For 18 Gauge, Add	30.94	
			For 20 Gauge, Add	23.29	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	41.63	
			For 16 Gauge, Add	37.97	
			For 22 Gauge, Add	15.50	
			For Work In Restricted Working Space, Add	101.47	
			For Elevated Installation >10' To 15', Add	33.82	
			For Elevated Installation >15' To 20', Add	67.65	
			For Elevated Installation >20' To 25', Add	84.56	
			For Elevated Installation >25' To 30', Add	118.38	
			For Elevated Installation >30' To 35', Add	135.30	
			For Elevated Installation >35' To 40', Add	169.12	
			For Elevated Installation >40', Add	186.03	
			For 10" WG (Class A), Add	155.59	
23 31 13 16-0061	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	411.80	139.89
			For 3" WG (Class B), Add	52.41	
			For 4" Or 6" WG (Class A), Add	139.75	
			For 28 Gauge, Deduct	-8.65	
			For 24 Gauge, Add	8.61	
			For 18 Gauge, Add	34.33	
			For 20 Gauge, Add	25.84	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	46.19	
			For 16 Gauge, Add	42.13	
			For 22 Gauge, Add	17.20	
			For Work In Restricted Working Space, Add	104.81	
			For Elevated Installation >10' To 15', Add	34.94	
			For Elevated Installation >15' To 20', Add	69.88	
			For Elevated Installation >20' To 25', Add	87.35	
			For Elevated Installation >25' To 30', Add	122.28	
			For Elevated Installation >30' To 35', Add	139.75	
			For Elevated Installation >35' To 40', Add	174.69	
			For Elevated Installation >40', Add	192.16	
			For 10" WG (Class A), Add	160.71	
23 31 13 16-0062			<b>2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connectors</b>		
			<small>(23 31 13 16-0001)</small>		
23 31 13 16-0063	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	23.89	
			For 3" WG (Class B), Add	3.34	
			For 4" Or 6" WG (Class A), Add	8.91	
			For Work In Restricted Working Space, Add	6.68	
			For Elevated Installation >10' To 15', Add	2.23	
			For Elevated Installation >15' To 20', Add	4.45	
			For Elevated Installation >20' To 25', Add	5.57	
			For Elevated Installation >25' To 30', Add	7.79	
			For Elevated Installation >30' To 35', Add	8.91	
			For Elevated Installation >35' To 40', Add	11.14	
			For Elevated Installation >40', Add	12.25	
23 31 13 16-0064	EA		5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	25.14	
			For 3" WG (Class B), Add	3.51	
			For 4" Or 6" WG (Class A), Add	9.36	
			For Work In Restricted Working Space, Add	7.02	
			For Elevated Installation >10' To 15', Add	2.34	
			For Elevated Installation >15' To 20', Add	4.68	
			For Elevated Installation >20' To 25', Add	5.85	
			For Elevated Installation >25' To 30', Add	8.19	
			For Elevated Installation >30' To 35', Add	9.36	
			For Elevated Installation >35' To 40', Add	11.70	
			For Elevated Installation >40', Add	12.87	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0065	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	26.94	
			For 3" WG (Class B), Add	3.76	
			For 4" Or 6" WG (Class A), Add	10.02	
			For Work In Restricted Working Space, Add	7.52	
			For Elevated Installation >10' To 15', Add	2.51	
			For Elevated Installation >15' To 20', Add	5.01	
			For Elevated Installation >20' To 25', Add	6.27	
			For Elevated Installation >25' To 30', Add	8.77	
			For Elevated Installation >30' To 35', Add	10.02	
			For Elevated Installation >35' To 40', Add	12.53	
			For Elevated Installation >40', Add	13.78	
23 31 13 16-0066	EA		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	28.59	
			For 3" WG (Class B), Add	3.97	
			For 4" Or 6" WG (Class A), Add	10.58	
			For Work In Restricted Working Space, Add	7.94	
			For Elevated Installation >10' To 15', Add	2.65	
			For Elevated Installation >15' To 20', Add	5.29	
			For Elevated Installation >20' To 25', Add	6.61	
			For Elevated Installation >25' To 30', Add	9.26	
			For Elevated Installation >30' To 35', Add	10.58	
			For Elevated Installation >35' To 40', Add	13.23	
			For Elevated Installation >40', Add	14.55	
23 31 13 16-0067	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	30.95	
			For 3" WG (Class B), Add	4.28	
			For 4" Or 6" WG (Class A), Add	11.41	
			For Work In Restricted Working Space, Add	8.56	
			For Elevated Installation >10' To 15', Add	2.85	
			For Elevated Installation >15' To 20', Add	5.71	
			For Elevated Installation >20' To 25', Add	7.13	
			For Elevated Installation >25' To 30', Add	9.99	
			For Elevated Installation >30' To 35', Add	11.41	
			For Elevated Installation >35' To 40', Add	14.27	
			For Elevated Installation >40', Add	15.69	
23 31 13 16-0068	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	35.69	
			For 3" WG (Class B), Add	4.78	
			For 4" Or 6" WG (Class A), Add	12.75	
			For Work In Restricted Working Space, Add	9.56	
			For Elevated Installation >10' To 15', Add	3.19	
			For Elevated Installation >15' To 20', Add	6.38	
			For Elevated Installation >20' To 25', Add	7.97	
			For Elevated Installation >25' To 30', Add	11.16	
			For Elevated Installation >30' To 35', Add	12.75	
			For Elevated Installation >35' To 40', Add	15.94	
			For Elevated Installation >40', Add	17.53	
23 31 13 16-0069	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	49.15	
			For 3" WG (Class B), Add	6.68	
			For 4" Or 6" WG (Class A), Add	17.82	
			For Work In Restricted Working Space, Add	13.37	
			For Elevated Installation >10' To 15', Add	4.46	
			For Elevated Installation >15' To 20', Add	8.91	
			For Elevated Installation >20' To 25', Add	11.14	
			For Elevated Installation >25' To 30', Add	15.59	
			For Elevated Installation >30' To 35', Add	17.82	
			For Elevated Installation >35' To 40', Add	22.28	
			For Elevated Installation >40', Add	24.50	
23 31 13 16-0070	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	56.03	
			For 3" WG (Class B), Add	7.60	
			For 4" Or 6" WG (Class A), Add	20.27	
			For Work In Restricted Working Space, Add	15.20	
			For Elevated Installation >10' To 15', Add	5.07	
			For Elevated Installation >15' To 20', Add	10.14	
			For Elevated Installation >20' To 25', Add	12.67	
			For Elevated Installation >25' To 30', Add	17.74	
			For Elevated Installation >30' To 35', Add	20.27	
			For Elevated Installation >35' To 40', Add	25.34	
			For Elevated Installation >40', Add	27.87	
23 31 13 16-0071	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	61.54	
			For 3" WG (Class B), Add	8.33	
			For 4" Or 6" WG (Class A), Add	22.22	
			For Work In Restricted Working Space, Add	16.67	
			For Elevated Installation >10' To 15', Add	5.56	
			For Elevated Installation >15' To 20', Add	11.11	
			For Elevated Installation >20' To 25', Add	13.89	
			For Elevated Installation >25' To 30', Add	19.44	
			For Elevated Installation >30' To 35', Add	22.22	
			For Elevated Installation >35' To 40', Add	27.78	
			For Elevated Installation >40', Add	30.55	
23 31 13 16-0072	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	66.83	
			For 3" WG (Class B), Add	9.02	
			For 4" Or 6" WG (Class A), Add	24.06	
			For Work In Restricted Working Space, Add	18.04	
			For Elevated Installation >10' To 15', Add	6.01	
			For Elevated Installation >15' To 20', Add	12.03	
			For Elevated Installation >20' To 25', Add	15.04	
			For Elevated Installation >25' To 30', Add	21.05	
			For Elevated Installation >30' To 35', Add	24.06	
			For Elevated Installation >35' To 40', Add	30.07	
			For Elevated Installation >40', Add	33.08	
			For 10" WG (Class A), Add	27.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0073	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	72.82	
			For 3" WG (Class B), Add	9.83	
			For 4" Or 6" WG (Class A), Add	26.22	
			For Work In Restricted Working Space, Add	19.67	
			For Elevated Installation >10' To 15', Add	6.56	
			For Elevated Installation >15' To 20', Add	13.11	
			For Elevated Installation >20' To 25', Add	16.39	
			For Elevated Installation >25' To 30', Add	22.95	
			For Elevated Installation >30' To 35', Add	26.22	
			For Elevated Installation >35' To 40', Add	32.78	
			For Elevated Installation >40', Add	36.06	
			For 10" WG (Class A), Add	30.16	
23 31 13 16-0074			Slip Joint, Galvanized, Spiral Duct And Fittings (23 31 13 16)		
23 31 13 16-0075			Slip Joint, Galvanized, Spiral Duct (23 31 13 16-0074)		
23 31 13 16-0076	LF		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	8.36	1.29
			For 3" WG (Class B), Add	1.03	
			For 4" Or 6" WG (Class A), Add	2.75	
			For 22 Gauge, Add	0.68	
			For 18 Gauge, Add	1.70	
			For 16 Gauge, Add	2.07	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.10	
			For 20 Gauge, Add	1.11	
			For Work In Restricted Working Space, Add	2.06	
			For 24 Gauge, Add	0.30	
23 31 13 16-0077	LF		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	10.40	2.57
			For 3" WG (Class B), Add	1.24	
			For 4" Or 6" WG (Class A), Add	3.30	
			For 22 Gauge, Add	0.98	
			For 18 Gauge, Add	2.46	
			For 16 Gauge, Add	3.00	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.58	
			For 20 Gauge, Add	1.61	
			For Work In Restricted Working Space, Add	2.48	
			For 24 Gauge, Add	0.43	
23 31 13 16-0078	LF		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	13.06	2.57
			For 3" WG (Class B), Add	1.54	
			For 4" Or 6" WG (Class A), Add	4.10	
			For 22 Gauge, Add	1.30	
			For 18 Gauge, Add	3.24	
			For 16 Gauge, Add	3.95	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.09	
			For 20 Gauge, Add	2.12	
			For Work In Restricted Working Space, Add	3.07	
			For 24 Gauge, Add	0.56	
23 31 13 16-0079	LF		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	15.78	2.57
			For 3" WG (Class B), Add	1.85	
			For 4" Or 6" WG (Class A), Add	4.92	
			For 22 Gauge, Add	1.60	
			For 18 Gauge, Add	4.00	
			For 16 Gauge, Add	4.87	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.58	
			For 20 Gauge, Add	2.61	
			For Work In Restricted Working Space, Add	3.69	
			For 24 Gauge, Add	0.70	
23 31 13 16-0080	LF		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	19.69	3.85
			For 3" WG (Class B), Add	2.31	
			For 4" Or 6" WG (Class A), Add	6.16	
			For 22 Gauge, Add	1.97	
			For 18 Gauge, Add	4.92	
			For 16 Gauge, Add	5.99	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.17	
			For 20 Gauge, Add	3.21	
			For Work In Restricted Working Space, Add	4.62	
			For 24 Gauge, Add	0.86	
23 31 13 16-0081	LF		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	24.22	3.85
			For 3" WG (Class B), Add	2.89	
			For 4" Or 6" WG (Class A), Add	7.70	
			For 22 Gauge, Add	2.28	
			For 18 Gauge, Add	5.70	
			For 16 Gauge, Add	6.94	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.67	
			For 20 Gauge, Add	3.72	
			For Work In Restricted Working Space, Add	5.78	
			For 24 Gauge, Add	0.99	
23 31 13 16-0082	LF		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	32.85	3.85
			For 3" WG (Class B), Add	3.85	
			For 4" Or 6" WG (Class A), Add	10.26	
			For 22 Gauge, Add	3.31	
			For 18 Gauge, Add	8.28	
			For 16 Gauge, Add	10.08	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.33	
			For 20 Gauge, Add	5.40	
			For Work In Restricted Working Space, Add	7.70	
			For 24 Gauge, Add	1.44	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0083	LF 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	37.88	5.13
	For 3" WG (Class B), Add	4.48	
	For 4" Or 6" WG (Class A), Add	11.96	
	For 22 Gauge, Add	3.68	
	For 18 Gauge, Add	9.19	
	For 16 Gauge, Add	11.19	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.91	
	For 20 Gauge, Add	5.99	
	For Work In Restricted Working Space, Add	8.97	
	For 24 Gauge, Add	1.60	
23 31 13 16-0084	LF 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	42.86	5.13
	For 3" WG (Class B), Add	5.09	
	For 4" Or 6" WG (Class A), Add	13.58	
	For 22 Gauge, Add	4.10	
	For 18 Gauge, Add	10.25	
	For 16 Gauge, Add	12.47	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.59	
	For 20 Gauge, Add	6.68	
	For Work In Restricted Working Space, Add	10.19	
	For 24 Gauge, Add	1.78	
23 31 13 16-0085	LF 22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	48.09	6.42
	For 3" WG (Class B), Add	5.74	
	For 4" Or 6" WG (Class A), Add	15.30	
	For 22 Gauge, Add	4.53	
	For 18 Gauge, Add	11.33	
	For 16 Gauge, Add	13.79	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.29	
	For 20 Gauge, Add	7.39	
	For Work In Restricted Working Space, Add	11.47	
	For 24 Gauge, Add	1.97	
23 31 13 16-0086	LF 24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	53.49	7.71
	For 3" WG (Class B), Add	6.42	
	For 4" Or 6" WG (Class A), Add	17.12	
	For 22 Gauge, Add	4.92	
	For 18 Gauge, Add	12.31	
	For 16 Gauge, Add	14.98	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.92	
	For 20 Gauge, Add	8.03	
	For Work In Restricted Working Space, Add	12.84	
	For 24 Gauge, Add	2.14	
<b>23 31 13 16-0087</b>	<b>Slip Joint, Galvanized, Spiral 90 Degree Elbows</b> <small>(23 31 13 16-0074)</small>		
23 31 13 16-0088	EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	77.91	19.97
	For 3" WG (Class B), Add	10.41	
	For 4" Or 6" WG (Class A), Add	27.76	
	For 22 Gauge, Add	3.91	
	For 18 Gauge, Add	9.79	
	For 16 Gauge, Add	11.91	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.30	
	For 20 Gauge, Add	6.38	
	For Work In Restricted Working Space, Add	20.82	
	For 24 Gauge, Add	1.70	
23 31 13 16-0089	EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	114.79	25.68
	For 3" WG (Class B), Add	15.41	
	For 4" Or 6" WG (Class A), Add	41.08	
	For 22 Gauge, Add	5.56	
	For 18 Gauge, Add	13.89	
	For 16 Gauge, Add	16.91	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.94	
	For 20 Gauge, Add	9.06	
	For Work In Restricted Working Space, Add	30.81	
	For 24 Gauge, Add	2.42	
23 31 13 16-0090	EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	158.20	33.38
	For 3" WG (Class B), Add	20.27	
	For 4" Or 6" WG (Class A), Add	54.06	
	For 22 Gauge, Add	10.60	
	For 18 Gauge, Add	26.50	
	For 16 Gauge, Add	32.26	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.05	
	For 20 Gauge, Add	17.28	
	For Work In Restricted Working Space, Add	40.55	
	For 24 Gauge, Add	4.61	
23 31 13 16-0091	EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	198.32	42.38
	For 3" WG (Class B), Add	25.68	
	For 4" Or 6" WG (Class A), Add	68.48	
	For 22 Gauge, Add	12.48	
	For 18 Gauge, Add	31.20	
	For 16 Gauge, Add	37.98	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.08	
	For 20 Gauge, Add	20.35	
	For Work In Restricted Working Space, Add	51.36	
	For 24 Gauge, Add	5.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0092	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	245.85	53.93
			For 3" WG (Class B), Add	32.10	
			For 4" Or 6" WG (Class A), Add	85.60	
			For 22 Gauge, Add	14.66	
			For 18 Gauge, Add	36.64	
			For 16 Gauge, Add	44.60	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.58	
			For 20 Gauge, Add	23.90	
			For Work In Restricted Working Space, Add	64.20	
			For 24 Gauge, Add	6.37	
23 31 13 16-0093	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	268.91	59.06
			For 3" WG (Class B), Add	35.02	
			For 4" Or 6" WG (Class A), Add	93.38	
			For 22 Gauge, Add	16.31	
			For 18 Gauge, Add	40.78	
			For 16 Gauge, Add	49.64	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.24	
			For 20 Gauge, Add	26.60	
			For Work In Restricted Working Space, Add	70.04	
			For 24 Gauge, Add	7.09	
23 31 13 16-0094	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	317.62	69.33
			For 3" WG (Class B), Add	41.42	
			For 4" Or 6" WG (Class A), Add	110.45	
			For 22 Gauge, Add	19.09	
			For 18 Gauge, Add	47.73	
			For 16 Gauge, Add	58.10	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.71	
			For 20 Gauge, Add	31.13	
			For Work In Restricted Working Space, Add	82.84	
			For 24 Gauge, Add	8.30	
23 31 13 16-0095	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	390.14	86.03
			For 3" WG (Class B), Add	51.36	
			For 4" Or 6" WG (Class A), Add	136.95	
			For 22 Gauge, Add	21.97	
			For 18 Gauge, Add	54.92	
			For 16 Gauge, Add	66.86	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.34	
			For 20 Gauge, Add	35.82	
			For Work In Restricted Working Space, Add	102.71	
			For 24 Gauge, Add	9.55	
23 31 13 16-0096	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	470.55	104.00
			For 3" WG (Class B), Add	62.13	
			For 4" Or 6" WG (Class A), Add	165.67	
			For 22 Gauge, Add	25.93	
			For 18 Gauge, Add	64.83	
			For 16 Gauge, Add	78.92	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	41.71	
			For 20 Gauge, Add	42.28	
			For Work In Restricted Working Space, Add	124.25	
			For 24 Gauge, Add	11.27	
23 31 13 16-0097	EA		22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	548.49	120.70
			For 3" WG (Class B), Add	72.68	
			For 4" Or 6" WG (Class A), Add	193.80	
			For 22 Gauge, Add	29.43	
			For 18 Gauge, Add	73.58	
			For 16 Gauge, Add	89.57	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	47.35	
			For 20 Gauge, Add	47.99	
			For Work In Restricted Working Space, Add	145.35	
			For 24 Gauge, Add	12.80	
23 31 13 16-0098	EA		24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	625.32	137.38
			For 3" WG (Class B), Add	81.95	
			For 4" Or 6" WG (Class A), Add	218.54	
			For 22 Gauge, Add	36.32	
			For 18 Gauge, Add	90.80	
			For 16 Gauge, Add	110.54	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	58.43	
			For 20 Gauge, Add	59.22	
			For Work In Restricted Working Space, Add	163.91	
			For 24 Gauge, Add	15.79	
<b>23 31 13 16-0099</b>			<b>Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows</b> <small>(23 31 13 16-0074)</small>		
23 31 13 16-0100	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	78.31	17.97
			For 3" WG (Class B), Add	10.41	
			For 4" Or 6" WG (Class A), Add	27.76	
			For 22 Gauge, Add	4.10	
			For 18 Gauge, Add	10.25	
			For 16 Gauge, Add	12.47	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.59	
			For 20 Gauge, Add	6.68	
			For Work In Restricted Working Space, Add	20.82	
			For 24 Gauge, Add	1.78	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0101	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	112.72	25.68
			For 3" WG (Class B), Add	15.41	
			For 4" Or 6" WG (Class A), Add	41.08	
			For 22 Gauge, Add	4.60	
			For 18 Gauge, Add	11.51	
			For 16 Gauge, Add	14.01	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.41	
			For 20 Gauge, Add	7.51	
			For Work In Restricted Working Space, Add	30.81	
			For 24 Gauge, Add	2.00	
23 31 13 16-0102	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	148.58	33.38
			For 3" WG (Class B), Add	20.27	
			For 4" Or 6" WG (Class A), Add	54.06	
			For 22 Gauge, Add	6.17	
			For 18 Gauge, Add	15.43	
			For 16 Gauge, Add	18.79	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.93	
			For 20 Gauge, Add	10.07	
			For Work In Restricted Working Space, Add	40.55	
			For 24 Gauge, Add	2.68	
23 31 13 16-0103	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	187.97	42.38
			For 3" WG (Class B), Add	25.68	
			For 4" Or 6" WG (Class A), Add	68.48	
			For 22 Gauge, Add	7.72	
			For 18 Gauge, Add	19.30	
			For 16 Gauge, Add	23.49	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.42	
			For 20 Gauge, Add	12.59	
			For Work In Restricted Working Space, Add	51.36	
			For 24 Gauge, Add	3.36	
23 31 13 16-0104	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	233.49	53.93
			For 3" WG (Class B), Add	32.10	
			For 4" Or 6" WG (Class A), Add	85.60	
			For 22 Gauge, Add	8.97	
			For 18 Gauge, Add	22.43	
			For 16 Gauge, Add	27.30	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.43	
			For 20 Gauge, Add	14.63	
			For Work In Restricted Working Space, Add	64.20	
			For 24 Gauge, Add	3.90	
23 31 13 16-0105	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	255.13	59.06
			For 3" WG (Class B), Add	35.02	
			For 4" Or 6" WG (Class A), Add	93.38	
			For 22 Gauge, Add	9.97	
			For 18 Gauge, Add	24.93	
			For 16 Gauge, Add	30.35	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.04	
			For 20 Gauge, Add	16.26	
			For Work In Restricted Working Space, Add	70.04	
			For 24 Gauge, Add	4.34	
23 31 13 16-0106	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	311.65	69.33
			For 3" WG (Class B), Add	41.42	
			For 4" Or 6" WG (Class A), Add	110.45	
			For 22 Gauge, Add	16.34	
			For 18 Gauge, Add	40.86	
			For 16 Gauge, Add	49.74	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.29	
			For 20 Gauge, Add	26.65	
			For Work In Restricted Working Space, Add	82.84	
			For 24 Gauge, Add	7.11	
23 31 13 16-0107	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	385.91	86.03
			For 3" WG (Class B), Add	51.36	
			For 4" Or 6" WG (Class A), Add	136.95	
			For 22 Gauge, Add	20.02	
			For 18 Gauge, Add	50.06	
			For 16 Gauge, Add	60.94	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.21	
			For 20 Gauge, Add	32.65	
			For Work In Restricted Working Space, Add	102.71	
			For 24 Gauge, Add	8.71	
23 31 13 16-0108	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	469.26	104.00
			For 3" WG (Class B), Add	62.13	
			For 4" Or 6" WG (Class A), Add	165.67	
			For 22 Gauge, Add	25.34	
			For 18 Gauge, Add	63.34	
			For 16 Gauge, Add	77.11	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.76	
			For 20 Gauge, Add	41.31	
			For Work In Restricted Working Space, Add	124.25	
			For 24 Gauge, Add	11.02	
23 31 13 16-0109	EA		22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	533.81	120.70
			For 3" WG (Class B), Add	72.68	
			For 4" Or 6" WG (Class A), Add	193.80	
			For 22 Gauge, Add	22.68	
			For 18 Gauge, Add	56.70	
			For 16 Gauge, Add	69.02	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	36.48	
			For 20 Gauge, Add	36.98	
			For Work In Restricted Working Space, Add	145.35	
			For 24 Gauge, Add	9.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0110	EA		24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	620.09	137.38
			For 3" WG (Class B), Add	81.95	
			For 4" Or 6" WG (Class A), Add	218.54	
			For 22 Gauge, Add	33.92	
			For 18 Gauge, Add	84.79	
			For 16 Gauge, Add	103.22	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	54.56	
			For 20 Gauge, Add	55.30	
			For Work In Restricted Working Space, Add	163.91	
			For 24 Gauge, Add	14.75	
<b>23 31 13 16-0111</b>			<b>Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals</b> <small>(23 31 13 16-0074)</small>		
23 31 13 16-0112	EA		6" x 6" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	154.31	33.38
			For 3" WG (Class B), Add	20.27	
			For 4" Or 6" WG (Class A), Add	54.06	
			For 22 Gauge, Add	8.81	
			For 18 Gauge, Add	22.02	
			For 16 Gauge, Add	26.81	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.17	
			For 20 Gauge, Add	14.36	
			For Work In Restricted Working Space, Add	40.55	
			For 24 Gauge, Add	3.83	
23 31 13 16-0113	EA		8" x 8" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	234.07	53.93
			For 3" WG (Class B), Add	32.10	
			For 4" Or 6" WG (Class A), Add	85.60	
			For 22 Gauge, Add	9.24	
			For 18 Gauge, Add	23.09	
			For 16 Gauge, Add	28.11	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.86	
			For 20 Gauge, Add	15.06	
			For Work In Restricted Working Space, Add	64.20	
			For 24 Gauge, Add	4.02	
23 31 13 16-0114	EA		10" x 10" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	298.16	69.33
			For 3" WG (Class B), Add	41.42	
			For 4" Or 6" WG (Class A), Add	110.45	
			For 22 Gauge, Add	10.14	
			For 18 Gauge, Add	25.35	
			For 16 Gauge, Add	30.86	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.31	
			For 20 Gauge, Add	16.53	
			For Work In Restricted Working Space, Add	82.84	
			For 24 Gauge, Add	4.41	
23 31 13 16-0115	EA		12" x 12" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	365.41	86.03
			For 3" WG (Class B), Add	51.36	
			For 4" Or 6" WG (Class A), Add	136.95	
			For 22 Gauge, Add	10.59	
			For 18 Gauge, Add	26.48	
			For 16 Gauge, Add	32.24	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.04	
			For 20 Gauge, Add	17.27	
			For Work In Restricted Working Space, Add	102.71	
			For 24 Gauge, Add	4.61	
23 31 13 16-0116	EA		14" x 14" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	437.96	104.00
			For 3" WG (Class B), Add	62.13	
			For 4" Or 6" WG (Class A), Add	165.67	
			For 22 Gauge, Add	10.94	
			For 18 Gauge, Add	27.35	
			For 16 Gauge, Add	33.29	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.60	
			For 20 Gauge, Add	17.84	
			For Work In Restricted Working Space, Add	124.25	
			For 24 Gauge, Add	4.76	
23 31 13 16-0117	EA		16" x 16" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	510.37	120.70
			For 3" WG (Class B), Add	72.68	
			For 4" Or 6" WG (Class A), Add	193.80	
			For 22 Gauge, Add	11.90	
			For 18 Gauge, Add	29.74	
			For 16 Gauge, Add	36.20	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.14	
			For 20 Gauge, Add	19.40	
			For Work In Restricted Working Space, Add	145.35	
			For 24 Gauge, Add	5.17	
23 31 13 16-0118	EA		18" x 18" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	573.27	137.38
			For 3" WG (Class B), Add	81.95	
			For 4" Or 6" WG (Class A), Add	218.54	
			For 22 Gauge, Add	12.38	
			For 18 Gauge, Add	30.95	
			For 16 Gauge, Add	37.67	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.91	
			For 20 Gauge, Add	20.18	
			For Work In Restricted Working Space, Add	163.91	
			For 24 Gauge, Add	5.38	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0119	EA		20" x 20" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	654.21	156.64
			For 3" WG (Class B), Add	93.95	
			For 4" Or 6" WG (Class A), Add	250.53	
			For 22 Gauge, Add	12.83	
			For 18 Gauge, Add	32.07	
			For 16 Gauge, Add	39.05	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.64	
			For 20 Gauge, Add	20.92	
			For Work In Restricted Working Space, Add	187.90	
			For 24 Gauge, Add	5.58	
23 31 13 16-0120	EA		22" x 22" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	727.59	173.34
			For 3" WG (Class B), Add	104.10	
			For 4" Or 6" WG (Class A), Add	277.61	
			For 22 Gauge, Add	15.44	
			For 18 Gauge, Add	38.59	
			For 16 Gauge, Add	46.98	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.83	
			For 20 Gauge, Add	25.17	
			For Work In Restricted Working Space, Add	208.21	
			For 24 Gauge, Add	6.71	
23 31 13 16-0121	EA		24" x 24" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	789.93	188.74
			For 3" WG (Class B), Add	113.29	
			For 4" Or 6" WG (Class A), Add	302.11	
			For 22 Gauge, Add	15.94	
			For 18 Gauge, Add	39.86	
			For 16 Gauge, Add	48.52	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.65	
			For 20 Gauge, Add	26.00	
			For Work In Restricted Working Space, Add	226.58	
			For 24 Gauge, Add	6.93	
23 31 13 16-0122	EA		8" x 8" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	249.64	58.16
			For 3" WG (Class B), Add	34.92	
			For 4" Or 6" WG (Class A), Add	93.11	
			For 22 Gauge, Add	7.76	
			For 18 Gauge, Add	19.40	
			For 16 Gauge, Add	23.62	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.48	
			For 20 Gauge, Add	12.65	
			For Work In Restricted Working Space, Add	69.83	
			For 24 Gauge, Add	3.37	
23 31 13 16-0123	EA		10" x 10" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	301.15	69.98
			For 3" WG (Class B), Add	41.98	
			For 4" Or 6" WG (Class A), Add	111.94	
			For 22 Gauge, Add	9.80	
			For 18 Gauge, Add	24.50	
			For 16 Gauge, Add	29.82	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.76	
			For 20 Gauge, Add	15.98	
			For Work In Restricted Working Space, Add	83.96	
			For 24 Gauge, Add	4.26	
23 31 13 16-0124	EA		12" x 12" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	365.88	85.00
			For 3" WG (Class B), Add	51.00	
			For 4" Or 6" WG (Class A), Add	136.01	
			For 22 Gauge, Add	11.89	
			For 18 Gauge, Add	29.73	
			For 16 Gauge, Add	36.19	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.13	
			For 20 Gauge, Add	19.39	
			For Work In Restricted Working Space, Add	102.01	
			For 24 Gauge, Add	5.17	
23 31 13 16-0125	EA		14" x 14" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	435.56	101.04
			For 3" WG (Class B), Add	60.72	
			For 4" Or 6" WG (Class A), Add	161.91	
			For 22 Gauge, Add	14.16	
			For 18 Gauge, Add	35.41	
			For 16 Gauge, Add	43.11	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.78	
			For 20 Gauge, Add	23.09	
			For Work In Restricted Working Space, Add	121.43	
			For 24 Gauge, Add	6.16	
23 31 13 16-0126	EA		16" x 16" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	555.09	129.93
			For 3" WG (Class B), Add	77.91	
			For 4" Or 6" WG (Class A), Add	207.76	
			For 22 Gauge, Add	16.42	
			For 18 Gauge, Add	41.04	
			For 16 Gauge, Add	49.97	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.41	
			For 20 Gauge, Add	26.77	
			For Work In Restricted Working Space, Add	155.82	
			For 24 Gauge, Add	7.14	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0127	EA		18" x 18" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing	616.27	144.19
			Lateral.....	86.44	
			For 3" WG (Class B), Add	230.51	
			For 4" Or 6" WG (Class A), Add	18.40	
			For 22 Gauge, Add	45.99	
			For 18 Gauge, Add	55.99	
			For 16 Gauge, Add	29.59	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.99	
			For 20 Gauge, Add	172.88	
			For Work In Restricted Working Space, Add	8.00	
23 31 13 16-0128	EA		20" x 20" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing	700.60	164.09
			Lateral.....	98.26	
			For 3" WG (Class B), Add	262.03	
			For 4" Or 6" WG (Class A), Add	20.94	
			For 22 Gauge, Add	52.35	
			For 18 Gauge, Add	63.73	
			For 16 Gauge, Add	33.68	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	34.14	
			For 20 Gauge, Add	196.52	
			For Work In Restricted Working Space, Add	9.10	
23 31 13 16-0129	EA		22" x 22" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing	750.05	175.01
			Lateral.....	104.90	
			For 3" WG (Class B), Add	279.73	
			For 4" Or 6" WG (Class A), Add	23.34	
			For 22 Gauge, Add	58.34	
			For 18 Gauge, Add	71.02	
			For 16 Gauge, Add	37.54	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	38.05	
			For 20 Gauge, Add	209.80	
			For Work In Restricted Working Space, Add	10.15	
23 31 13 16-0130	EA		24" x 24" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing	813.81	189.77
			Lateral.....	113.83	
			For 3" WG (Class B), Add	303.54	
			For 4" Or 6" WG (Class A), Add	25.29	
			For 22 Gauge, Add	63.22	
			For 18 Gauge, Add	76.96	
			For 16 Gauge, Add	40.68	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	41.23	
			For 20 Gauge, Add	227.65	
			For Work In Restricted Working Space, Add	10.99	
23 31 13 16-0131	EA		10" x 10" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing	330.19	77.04
			Lateral.....	46.16	
			For 3" WG (Class B), Add	123.10	
			For 4" Or 6" WG (Class A), Add	10.32	
			For 22 Gauge, Add	25.79	
			For 18 Gauge, Add	31.40	
			For 16 Gauge, Add	16.60	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.82	
			For 20 Gauge, Add	92.33	
			For Work In Restricted Working Space, Add	4.49	
23 31 13 16-0132	EA		12" x 12" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing	401.31	93.73
			Lateral.....	56.12	
			For 3" WG (Class B), Add	149.64	
			For 4" Or 6" WG (Class A), Add	12.51	
			For 22 Gauge, Add	31.28	
			For 18 Gauge, Add	38.08	
			For 16 Gauge, Add	20.13	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.40	
			For 20 Gauge, Add	112.23	
			For Work In Restricted Working Space, Add	5.44	
23 31 13 16-0133	EA		14" x 14" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing	477.62	111.07
			Lateral.....	66.78	
			For 3" WG (Class B), Add	178.08	
			For 4" Or 6" WG (Class A), Add	14.91	
			For 22 Gauge, Add	37.28	
			For 18 Gauge, Add	45.39	
			For 16 Gauge, Add	23.99	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.32	
			For 20 Gauge, Add	133.56	
			For Work In Restricted Working Space, Add	6.48	
23 31 13 16-0134	EA		16" x 16" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing	554.46	129.42
			Lateral.....	77.53	
			For 3" WG (Class B), Add	206.76	
			For 4" Or 6" WG (Class A), Add	17.28	
			For 22 Gauge, Add	43.21	
			For 18 Gauge, Add	52.60	
			For 16 Gauge, Add	27.80	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	28.18	
			For 20 Gauge, Add	155.07	
			For Work In Restricted Working Space, Add	7.51	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0135	EA		18" x 18" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	620.45	144.71
			For 3" WG (Class B), Add	86.75	
			For 4" Or 6" WG (Class A), Add	231.34	
			For 22 Gauge, Add	19.36	
			For 18 Gauge, Add	48.40	
			For 16 Gauge, Add	58.93	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.15	
			For 20 Gauge, Add	31.57	
			For Work In Restricted Working Space, Add	173.51	
			For 24 Gauge, Add	8.42	
23 31 13 16-0136	EA		20" x 20" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	705.68	164.60
			For 3" WG (Class B), Add	98.67	
			For 4" Or 6" WG (Class A), Add	263.11	
			For 22 Gauge, Add	22.04	
			For 18 Gauge, Add	55.10	
			For 16 Gauge, Add	67.07	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.45	
			For 20 Gauge, Add	35.93	
			For Work In Restricted Working Space, Add	197.33	
			For 24 Gauge, Add	9.58	
23 31 13 16-0137	EA		22" x 22" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	787.93	183.61
			For 3" WG (Class B), Add	110.18	
			For 4" Or 6" WG (Class A), Add	293.81	
			For 22 Gauge, Add	24.56	
			For 18 Gauge, Add	61.41	
			For 16 Gauge, Add	74.76	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	39.52	
			For 20 Gauge, Add	40.05	
			For Work In Restricted Working Space, Add	220.36	
			For 24 Gauge, Add	10.68	
23 31 13 16-0138	EA		24" x 24" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	854.36	199.27
			For 3" WG (Class B), Add	119.48	
			For 4" Or 6" WG (Class A), Add	318.60	
			For 22 Gauge, Add	26.62	
			For 18 Gauge, Add	66.54	
			For 16 Gauge, Add	81.00	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	42.82	
			For 20 Gauge, Add	43.40	
			For Work In Restricted Working Space, Add	238.95	
			For 24 Gauge, Add	11.57	
<b>23 31 13 16-0139</b>			<b>Slip Joint, Galvanized, Spiral Duct Reducers</b> <small>(23 31 13 16-0074)</small>		
23 31 13 16-0140	EA		6" x 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	109.60	25.68
			For 3" WG (Class B), Add	15.41	
			For 4" Or 6" WG (Class A), Add	41.08	
			For 22 Gauge, Add	3.17	
			For 18 Gauge, Add	7.92	
			For 16 Gauge, Add	9.65	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.10	
			For 20 Gauge, Add	5.17	
			For Work In Restricted Working Space, Add	30.81	
			For 24 Gauge, Add	1.38	
23 31 13 16-0141	EA		8" x 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	142.74	33.38
			For 3" WG (Class B), Add	20.27	
			For 4" Or 6" WG (Class A), Add	54.06	
			For 22 Gauge, Add	3.49	
			For 18 Gauge, Add	8.72	
			For 16 Gauge, Add	10.61	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.61	
			For 20 Gauge, Add	5.69	
			For Work In Restricted Working Space, Add	40.55	
			For 24 Gauge, Add	1.52	
23 31 13 16-0142	EA		10" x 8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	179.58	42.38
			For 3" WG (Class B), Add	25.68	
			For 4" Or 6" WG (Class A), Add	68.48	
			For 22 Gauge, Add	3.86	
			For 18 Gauge, Add	9.65	
			For 16 Gauge, Add	11.75	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.21	
			For 20 Gauge, Add	6.29	
			For Work In Restricted Working Space, Add	51.36	
			For 24 Gauge, Add	1.68	
23 31 13 16-0143	EA		12" x 10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	223.19	53.93
			For 3" WG (Class B), Add	32.10	
			For 4" Or 6" WG (Class A), Add	85.60	
			For 22 Gauge, Add	4.23	
			For 18 Gauge, Add	10.58	
			For 16 Gauge, Add	12.88	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.81	
			For 20 Gauge, Add	6.90	
			For Work In Restricted Working Space, Add	64.20	
			For 24 Gauge, Add	1.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0144	EA	14" x 12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	243.69	59.06	
		For 3" WG (Class B), Add	35.02		
		For 4" Or 6" WG (Class A), Add	93.38		
		For 22 Gauge, Add	4.71		
		For 18 Gauge, Add	11.78		
		For 16 Gauge, Add	14.34		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.58		
		For 20 Gauge, Add	7.68		
		For Work In Restricted Working Space, Add	70.04		
		For 24 Gauge, Add	2.05		
23 31 13 16-0145	EA	16" x 14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	293.83	69.33	
		For 3" WG (Class B), Add	41.42		
		For 4" Or 6" WG (Class A), Add	110.45		
		For 22 Gauge, Add	8.15		
		For 18 Gauge, Add	20.37		
		For 16 Gauge, Add	24.79		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.11		
		For 20 Gauge, Add	13.28		
		For Work In Restricted Working Space, Add	82.84		
		For 24 Gauge, Add	3.54		
23 31 13 16-0146	EA	18" x 16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	361.30	86.03	
		For 3" WG (Class B), Add	51.36		
		For 4" Or 6" WG (Class A), Add	136.95		
		For 22 Gauge, Add	8.70		
		For 18 Gauge, Add	21.76		
		For 16 Gauge, Add	26.49		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.00		
		For 20 Gauge, Add	14.19		
		For Work In Restricted Working Space, Add	102.71		
		For 24 Gauge, Add	3.78		
23 31 13 16-0147	EA	20" x 18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	434.37	104.00	
		For 3" WG (Class B), Add	62.13		
		For 4" Or 6" WG (Class A), Add	165.67		
		For 22 Gauge, Add	9.29		
		For 18 Gauge, Add	23.22		
		For 16 Gauge, Add	28.27		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.94		
		For 20 Gauge, Add	15.14		
		For Work In Restricted Working Space, Add	124.25		
		For 24 Gauge, Add	4.04		
23 31 13 16-0148	EA	22" x 20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	505.98	120.70	
		For 3" WG (Class B), Add	72.68		
		For 4" Or 6" WG (Class A), Add	193.80		
		For 22 Gauge, Add	9.88		
		For 18 Gauge, Add	24.69		
		For 16 Gauge, Add	30.06		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.89		
		For 20 Gauge, Add	16.10		
		For Work In Restricted Working Space, Add	145.35		
		For 24 Gauge, Add	4.29		
23 31 13 16-0149	EA	24" x 22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	568.98	137.38	
		For 3" WG (Class B), Add	81.95		
		For 4" Or 6" WG (Class A), Add	218.54		
		For 22 Gauge, Add	10.41		
		For 18 Gauge, Add	26.01		
		For 16 Gauge, Add	31.67		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.74		
		For 20 Gauge, Add	16.97		
		For Work In Restricted Working Space, Add	163.91		
		For 24 Gauge, Add	4.52		
<b>23 31 13 16-0150</b>		<b>Slip Joint, Galvanized, Spiral Duct Couplings</b> <small>(23 31 13 16-0074)</small>			
23 31 13 16-0151	EA	4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	72.66	17.97	
		For 3" WG (Class B), Add	10.41		
		For 4" Or 6" WG (Class A), Add	27.76		
		For 22 Gauge, Add	1.50		
		For 18 Gauge, Add	3.75		
		For 16 Gauge, Add	4.56		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.41		
		For 20 Gauge, Add	2.45		
		For Work In Restricted Working Space, Add	20.82		
		For 24 Gauge, Add	0.65		
23 31 13 16-0152	EA	6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	106.41	25.68	
		For 3" WG (Class B), Add	15.41		
		For 4" Or 6" WG (Class A), Add	41.08		
		For 22 Gauge, Add	1.70		
		For 18 Gauge, Add	4.26		
		For 16 Gauge, Add	5.18		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.74		
		For 20 Gauge, Add	2.78		
		For Work In Restricted Working Space, Add	30.81		
		For 24 Gauge, Add	0.74		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0153	EA		8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	139.15	33.38
			For 3" WG (Class B), Add	20.27	
			For 4" Or 6" WG (Class A), Add	54.06	
			For 22 Gauge, Add	1.84	
			For 18 Gauge, Add	4.59	
			For 16 Gauge, Add	5.59	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.95	
			For 20 Gauge, Add	2.99	
			For Work In Restricted Working Space, Add	40.55	
			For 24 Gauge, Add	0.80	
23 31 13 16-0154	EA		10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	175.47	42.38
			For 3" WG (Class B), Add	25.68	
			For 4" Or 6" WG (Class A), Add	68.48	
			For 22 Gauge, Add	1.97	
			For 18 Gauge, Add	4.92	
			For 16 Gauge, Add	5.99	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.17	
			For 20 Gauge, Add	3.21	
			For Work In Restricted Working Space, Add	51.36	
			For 24 Gauge, Add	0.86	
23 31 13 16-0155	EA		12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	218.56	53.93
			For 3" WG (Class B), Add	32.10	
			For 4" Or 6" WG (Class A), Add	85.60	
			For 22 Gauge, Add	2.10	
			For 18 Gauge, Add	5.26	
			For 16 Gauge, Add	6.40	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.38	
			For 20 Gauge, Add	3.43	
			For Work In Restricted Working Space, Add	64.20	
			For 24 Gauge, Add	0.91	
23 31 13 16-0156	EA		14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	238.31	59.06
			For 3" WG (Class B), Add	35.02	
			For 4" Or 6" WG (Class A), Add	93.38	
			For 22 Gauge, Add	2.24	
			For 18 Gauge, Add	5.59	
			For 16 Gauge, Add	6.80	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.60	
			For 20 Gauge, Add	3.65	
			For Work In Restricted Working Space, Add	70.04	
			For 24 Gauge, Add	0.97	
23 31 13 16-0157	EA		16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	281.50	69.33
			For 3" WG (Class B), Add	41.42	
			For 4" Or 6" WG (Class A), Add	110.45	
			For 22 Gauge, Add	2.47	
			For 18 Gauge, Add	6.19	
			For 16 Gauge, Add	7.53	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.98	
			For 20 Gauge, Add	4.04	
			For Work In Restricted Working Space, Add	82.84	
			For 24 Gauge, Add	1.08	
23 31 13 16-0158	EA		18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	348.05	86.03
			For 3" WG (Class B), Add	51.36	
			For 4" Or 6" WG (Class A), Add	136.95	
			For 22 Gauge, Add	2.61	
			For 18 Gauge, Add	6.52	
			For 16 Gauge, Add	7.94	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.20	
			For 20 Gauge, Add	4.25	
			For Work In Restricted Working Space, Add	102.71	
			For 24 Gauge, Add	1.13	
23 31 13 16-0159	EA		20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	420.20	104.00
			For 3" WG (Class B), Add	62.13	
			For 4" Or 6" WG (Class A), Add	165.67	
			For 22 Gauge, Add	2.77	
			For 18 Gauge, Add	6.92	
			For 16 Gauge, Add	8.43	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.45	
			For 20 Gauge, Add	4.52	
			For Work In Restricted Working Space, Add	124.25	
			For 24 Gauge, Add	1.20	
23 31 13 16-0160	EA		22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	490.76	242.67
			For 3" WG (Class B), Add	72.68	
			For 4" Or 6" WG (Class A), Add	193.80	
			For 22 Gauge, Add	2.88	
			For 18 Gauge, Add	7.19	
			For 16 Gauge, Add	8.75	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.63	
			For 20 Gauge, Add	4.69	
			For Work In Restricted Working Space, Add	145.35	
			For 24 Gauge, Add	1.25	
23 31 13 16-0161	EA		24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	552.96	273.48
			For 3" WG (Class B), Add	81.95	
			For 4" Or 6" WG (Class A), Add	218.54	
			For 22 Gauge, Add	3.04	
			For 18 Gauge, Add	7.59	
			For 16 Gauge, Add	9.24	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.88	
			For 20 Gauge, Add	4.95	
			For Work In Restricted Working Space, Add	163.91	
			For 24 Gauge, Add	1.32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0162			<b>Slip Joint, Galvanized, Spiral Duct Caps</b> <small>(23 31 13 16-0074)</small>		
23 31 13 16-0163	EA		4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	38.52	17.97
			For 3" WG (Class B), Add	5.21	
			For 4" Or 6" WG (Class A), Add	13.88	
			For 22 Gauge, Add	1.76	
			For 18 Gauge, Add	4.39	
			For 16 Gauge, Add	5.35	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.83	
			For 20 Gauge, Add	2.87	
			For Work In Restricted Working Space, Add	10.41	
			For 24 Gauge, Add	0.76	
23 31 13 16-0164	EA		6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	55.64	25.68
			For 3" WG (Class B), Add	7.70	
			For 4" Or 6" WG (Class A), Add	20.54	
			For 22 Gauge, Add	1.97	
			For 18 Gauge, Add	4.92	
			For 16 Gauge, Add	5.99	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.17	
			For 20 Gauge, Add	3.21	
			For Work In Restricted Working Space, Add	15.41	
			For 24 Gauge, Add	0.86	
23 31 13 16-0165	EA		8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	72.26	34.67
			For 3" WG (Class B), Add	10.14	
			For 4" Or 6" WG (Class A), Add	27.03	
			For 22 Gauge, Add	2.16	
			For 18 Gauge, Add	5.39	
			For 16 Gauge, Add	6.57	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.47	
			For 20 Gauge, Add	3.52	
			For Work In Restricted Working Space, Add	20.27	
			For 24 Gauge, Add	0.94	
23 31 13 16-0166	EA		10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	90.81	43.65
			For 3" WG (Class B), Add	12.84	
			For 4" Or 6" WG (Class A), Add	34.24	
			For 22 Gauge, Add	2.40	
			For 18 Gauge, Add	5.99	
			For 16 Gauge, Add	7.29	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.86	
			For 20 Gauge, Add	3.91	
			For Work In Restricted Working Space, Add	25.68	
			For 24 Gauge, Add	1.04	
23 31 13 16-0167	EA		12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	112.79	53.93
			For 3" WG (Class B), Add	16.05	
			For 4" Or 6" WG (Class A), Add	42.80	
			For 22 Gauge, Add	2.66	
			For 18 Gauge, Add	6.66	
			For 16 Gauge, Add	8.11	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.28	
			For 20 Gauge, Add	4.34	
			For Work In Restricted Working Space, Add	32.10	
			For 24 Gauge, Add	1.16	
23 31 13 16-0168	EA		14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	123.08	59.06
			For 3" WG (Class B), Add	17.51	
			For 4" Or 6" WG (Class A), Add	46.69	
			For 22 Gauge, Add	2.93	
			For 18 Gauge, Add	7.31	
			For 16 Gauge, Add	8.90	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.71	
			For 20 Gauge, Add	4.77	
			For Work In Restricted Working Space, Add	35.02	
			For 24 Gauge, Add	1.27	
23 31 13 16-0169	EA		16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	142.51	68.05
			For 3" WG (Class B), Add	20.27	
			For 4" Or 6" WG (Class A), Add	54.06	
			For 22 Gauge, Add	3.38	
			For 18 Gauge, Add	8.45	
			For 16 Gauge, Add	10.29	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.44	
			For 20 Gauge, Add	5.51	
			For Work In Restricted Working Space, Add	40.55	
			For 24 Gauge, Add	1.47	
23 31 13 16-0170	EA		18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	195.95	86.03
			For 3" WG (Class B), Add	25.68	
			For 4" Or 6" WG (Class A), Add	68.48	
			For 22 Gauge, Add	11.39	
			For 18 Gauge, Add	28.47	
			For 16 Gauge, Add	34.66	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	18.32	
			For 20 Gauge, Add	18.57	
			For Work In Restricted Working Space, Add	51.36	
			For 24 Gauge, Add	4.95	
23 31 13 16-0171	EA		20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	240.84	106.57
			For 3" WG (Class B), Add	32.10	
			For 4" Or 6" WG (Class A), Add	85.60	
			For 22 Gauge, Add	12.35	
			For 18 Gauge, Add	30.88	
			For 16 Gauge, Add	37.59	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.87	
			For 20 Gauge, Add	20.14	
			For Work In Restricted Working Space, Add	64.20	
			For 24 Gauge, Add	5.37	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0172	EA		22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap .....	262.38	116.84
			<i>For 3" WG (Class B), Add</i>	35.02	
			<i>For 4" Or 6" WG (Class A), Add</i>	93.38	
			<i>For 22 Gauge, Add</i>	13.31	
			<i>For 18 Gauge, Add</i>	33.27	
			<i>For 16 Gauge, Add</i>	40.50	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	21.41	
			<i>For 20 Gauge, Add</i>	21.70	
			<i>For Work In Restricted Working Space, Add</i>	70.04	
			<i>For 24 Gauge, Add</i>	5.79	
23 31 13 16-0173	EA		24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap .....	304.25	136.10
			<i>For 3" WG (Class B), Add</i>	40.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	109.27	
			<i>For 22 Gauge, Add</i>	14.29	
			<i>For 18 Gauge, Add</i>	35.73	
			<i>For 16 Gauge, Add</i>	43.50	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	22.99	
			<i>For 20 Gauge, Add</i>	23.30	
			<i>For Work In Restricted Working Space, Add</i>	81.95	
			<i>For 24 Gauge, Add</i>	6.21	
<b>23 31 13 19 Metal Duct Fittings (23 31 13)</b>					
<b>23 31 13 19-0001 Sheet Metal Baffles (23 31 13 19)</b>					
23 31 13 19-0002	LF		Sheet Metal Baffles Under Raised Floor .....	44.80	36.27
			<i>For Work In Restricted Working Space, Add</i>	13.26	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.42	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.84	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.05	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.47	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.68	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	22.11	
			<i>For Elevated Installation &gt;40', Add</i>	24.32	
<b>23 31 13 19-0003 Duct Register Boots (23 31 13 19)</b>					
23 31 13 19-0004	EA		10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel .....	40.52	17.40
			<i>For Stainless Steel, Add</i>	7.44	
23 31 13 19-0005	EA		10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel .....	40.52	17.40
			<i>For Stainless Steel, Add</i>	7.44	
23 31 13 19-0006	EA		12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel .....	43.42	18.79
			<i>For Stainless Steel, Add</i>	7.59	
23 31 13 19-0007	EA		12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel .....	43.42	18.79
			<i>For Stainless Steel, Add</i>	7.59	
23 31 13 19-0008	EA		12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel .....	44.83	18.79
			<i>For Stainless Steel, Add</i>	9.43	
23 31 13 19-0009	EA		14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel .....	46.91	20.18
			<i>For Stainless Steel, Add</i>	8.50	
23 31 13 19-0010	EA		14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel .....	46.91	20.18
			<i>For Stainless Steel, Add</i>	8.50	
23 31 13 19-0011	EA		14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel .....	47.79	20.18
			<i>For Stainless Steel, Add</i>	9.65	
23 31 13 19-0012	EA		10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel .....	48.29	21.58
			<i>For Stainless Steel, Add</i>	6.68	
23 31 13 19-0013	EA		12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel .....	51.23	22.97
			<i>For Stainless Steel, Add</i>	6.89	
23 31 13 19-0014	EA		12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel .....	54.82	22.97
			<i>For Stainless Steel, Add</i>	11.56	
23 31 13 19-0015	EA		14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel .....	54.33	24.35
			<i>For Stainless Steel, Add</i>	7.29	
23 31 13 19-0016	EA		14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel .....	57.85	24.35
			<i>For Stainless Steel, Add</i>	11.87	
23 31 13 19-0017	EA		12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel .....	42.57	18.79
			<i>For Stainless Steel, Add</i>	6.49	
23 31 13 19-0018	EA		12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel .....	42.57	18.79
			<i>For Stainless Steel, Add</i>	6.49	
23 31 13 19-0019	EA		14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel .....	45.93	20.18
			<i>For Stainless Steel, Add</i>	7.23	
23 31 13 19-0020	EA		14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel .....	46.77	20.18
			<i>For Stainless Steel, Add</i>	8.32	
23 31 13 19-0021	EA		10" x 4" x 6" Register Boot, Center, Galvanized Steel .....	48.41	21.58
			<i>For Stainless Steel, Add</i>	6.84	
23 31 13 19-0022	EA		12" x 4" x 6" Register Boot, Center, Galvanized Steel .....	51.33	22.97
			<i>For Stainless Steel, Add</i>	7.02	
23 31 13 19-0023	EA		12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel .....	43.14	18.79
			<i>For Stainless Steel, Add</i>	7.23	
23 31 13 19-0024	EA		14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel .....	46.28	20.18
			<i>For Stainless Steel, Add</i>	7.68	
23 31 13 19-0025	EA		10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel .....	40.52	17.40
			<i>For Stainless Steel, Add</i>	7.44	
23 31 13 19-0026	EA		12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel .....	43.42	18.79
			<i>For Stainless Steel, Add</i>	7.59	
23 31 13 19-0027	EA		14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel .....	46.91	20.18
			<i>For Stainless Steel, Add</i>	8.50	
23 31 13 19-0028	EA		14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel .....	46.91	20.18
			<i>For Stainless Steel, Add</i>	8.50	
23 31 13 19-0029	EA		10" x 4" x 6" Register Boot, Universal, Galvanized Steel .....	48.29	21.58
			<i>For Stainless Steel, Add</i>	6.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0030	EA		12" x 4" x 6" Register Boot, Universal, Galvanized Steel ..... <i>For Stainless Steel, Add</i>	51.23 6.89	22.97
23 31 13 19-0031	EA		12" x 4" x 7" Register Boot, Universal, Galvanized Steel ..... <i>For Stainless Steel, Add</i>	54.82 11.56	22.97
23 31 13 19-0032	EA		14" x 4" x 7" Register Boot, Universal, Galvanized Steel ..... <i>For Stainless Steel, Add</i>	57.61 11.56	24.35
<b>23 31 13 23 Galvanized Steel Welded Duct (23 31 13)</b>					
Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.					
23 31 13 23-0001			<b>Welded Steel Ductwork (23 31 13 23)</b> Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.		
23 31 13 23-0002			<b>Galvanized Steel Welded Duct, For Kitchen (23 31 13 23-0001)</b> Note: Also includes special exhaust systems and waste.		
23 31 13 23-0003	LB		Galvanized Steel Welded Duct ..... <i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	24.48 1.80 6.62 2.21 4.41 5.51 7.72 8.82 11.03 12.13	10.99
23 31 13 23-0004			<b>Black Steel Ductwork (23 31 13 23-0001)</b>		
23 31 13 23-0005	LB		Black Steel Ductwork ..... <i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	23.21 0.40 6.80 2.27 4.53 5.67 7.93 9.07 11.34 12.47	11.34
<b>23 31 16 Nonmetal Ducts (23 31)</b>					
<b>23 31 16 13 Fibrous-Glass Ducts (23 31 16)</b>					
23 31 16 13-0001			<b>Glass Fiber Duct Board (23 31 16 13)</b> Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.		
23 31 16 13-0002	SF		1" Glass Fiber Duct Board (EI-475).....	10.65	2.27
23 31 16 13-0003	SF		1-1/2" Glass Fiber Duct Board (EI-800).....	12.35	2.50
23 31 16 13-0004	SF		2" Glass Fiber Duct Board (EI-800).....	14.14	2.74
<b>23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts (23 31 16)</b>					
23 31 16 16-0001			<b>Fiber Reinforced Round Plastic Duct (23 31 16 16)</b>		
23 31 16 16-0002			<b>Fiber Reinforced Round Plastic Duct (23 31 16 16-0001)</b>		
23 31 16 16-0003	LF		2" Fiber Reinforced Plastic Duct .....	14.25	4.97
23 31 16 16-0004	LF		3" Fiber Reinforced Plastic Duct .....	17.75	5.81
23 31 16 16-0005	LF		4" Fiber Reinforced Plastic Duct .....	24.24	8.53
23 31 16 16-0006	LF		6" Fiber Reinforced Plastic Duct .....	31.98	10.78
23 31 16 16-0007	LF		8" Fiber Reinforced Plastic Duct .....	40.48	13.49
23 31 16 16-0008	LF		10" Fiber Reinforced Plastic Duct .....	48.79	16.22
23 31 16 16-0009	LF		12" Fiber Reinforced Plastic Duct .....	55.10	18.93
23 31 16 16-0010	LF		14" Fiber Reinforced Plastic Duct .....	62.66	20.71
23 31 16 16-0011	LF		16" Fiber Reinforced Plastic Duct .....	67.63	22.02
23 31 16 16-0012	LF		18" Fiber Reinforced Plastic Duct .....	83.39	24.74
23 31 16 16-0013	LF		20" Fiber Reinforced Plastic Duct .....	87.84	26.52
23 31 16 16-0014	LF		24" Fiber Reinforced Plastic Duct .....	107.20	28.30
23 31 16 16-0015	LF		30" Fiber Reinforced Plastic Duct .....	122.88	32.80
23 31 16 16-0016	LF		36" Fiber Reinforced Plastic Duct .....	142.29	39.55
23 31 16 16-0017	LF		42" Fiber Reinforced Plastic Duct .....	187.96	44.05
23 31 16 16-0018	LF		48" Fiber Reinforced Plastic Duct .....	210.59	49.48
23 31 16 16-0019	LF		54" Fiber Reinforced Plastic Duct .....	234.39	56.69
23 31 16 16-0020	LF		60" Fiber Reinforced Plastic Duct .....	266.48	66.16
23 31 16 16-0021	LF		66" Fiber Reinforced Plastic Duct .....	288.50	80.96
23 31 16 16-0022	LF		72" Fiber Reinforced Plastic Duct .....	352.10	98.95
23 31 16 16-0023			<b>Fiber Reinforced Plastic Bell (23 31 16 16-0001)</b>		
23 31 16 16-0024	EA		2" Fiber Reinforced Plastic Bell.....	59.68	20.15
23 31 16 16-0025	EA		3" Fiber Reinforced Plastic Bell.....	72.02	23.90
23 31 16 16-0026	EA		4" Fiber Reinforced Plastic Bell.....	82.88	28.11
23 31 16 16-0027	EA		6" Fiber Reinforced Plastic Bell.....	108.88	37.48
23 31 16 16-0028	EA		8" Fiber Reinforced Plastic Bell.....	132.48	46.85
23 31 16 16-0029	EA		10" Fiber Reinforced Plastic Bell.....	153.65	56.23
23 31 16 16-0030	EA		12" Fiber Reinforced Plastic Bell.....	190.50	69.81

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell .....		203.79	74.96
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell .....		220.81	80.12
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell .....		237.85	86.21
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell .....		260.11	93.71
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell .....		303.08	103.08
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell .....		353.31	112.45
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell .....		400.83	126.50
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell .....		448.33	140.56
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell .....		495.81	154.62
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell .....		617.14	187.42
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell .....		735.07	234.27
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell .....		882.04	281.13
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell .....		1,010.45	318.61
<b>23 31 16 16-0044 Fiber Reinforced Plastic Flange (23 31 16 16-0001)</b>					
23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange .....		98.45	20.15
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange .....		113.21	23.90
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange .....		128.92	28.11
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange .....		167.03	37.48
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange .....		202.74	46.85
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange .....		238.46	56.23
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange .....		280.15	69.81
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange .....		312.82	74.96
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange .....		341.96	80.12
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange .....		363.85	86.21
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange .....		381.26	93.71
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange .....		448.46	103.08
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange .....		493.84	112.45
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange .....		611.63	126.50
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange .....		680.93	140.56
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange .....		774.45	154.62
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange .....		907.90	187.42
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange .....		1,081.55	234.27
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange .....		1,255.18	281.13
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange .....		1,436.89	318.61
<b>23 31 16 16-0065 Fiber Reinforced Plastic 90 Degree Elbow (23 31 16 16-0001)</b>					
23 31 16 16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow .....		160.92	48.54
23 31 16 16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow .....		188.78	58.00
23 31 16 16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow .....		219.06	67.47
23 31 16 16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow .....		283.20	89.96
23 31 16 16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow .....		347.34	112.45
23 31 16 16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow .....		411.48	134.94
23 31 16 16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow .....		505.00	167.84
23 31 16 16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow .....		574.78	177.67
23 31 16 16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow .....		656.00	192.95
23 31 16 16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow .....		785.85	206.91
23 31 16 16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow .....		907.96	224.90
23 31 16 16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow .....		1,054.47	247.39
23 31 16 16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow .....		1,431.15	269.89
23 31 16 16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow .....		1,838.74	303.62
23 31 16 16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow .....		2,428.03	337.45
23 31 16 16-0081	EA	48" Fiber Reinforced Plastic 90 Degree Elbow .....		2,884.11	371.18
23 31 16 16-0082	EA	54" Fiber Reinforced Plastic 90 Degree Elbow .....		3,414.95	449.81
23 31 16 16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow .....		4,135.42	562.25
23 31 16 16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow .....		4,855.54	674.52
23 31 16 16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow .....		5,538.36	764.39
<b>23 31 16 16-0086 Fiber Reinforced Plastic 45 Degree Elbow (23 31 16 16-0001)</b>					
23 31 16 16-0087	EA	2" Fiber Reinforced Plastic 45 Degree Elbow .....		134.27	48.54
23 31 16 16-0088	EA	3" Fiber Reinforced Plastic 45 Degree Elbow .....		157.28	58.00
23 31 16 16-0089	EA	4" Fiber Reinforced Plastic 45 Degree Elbow .....		182.70	67.47
23 31 16 16-0090	EA	6" Fiber Reinforced Plastic 45 Degree Elbow .....		229.90	89.96
23 31 16 16-0091	EA	8" Fiber Reinforced Plastic 45 Degree Elbow .....		277.07	112.45
23 31 16 16-0092	EA	10" Fiber Reinforced Plastic 45 Degree Elbow .....		329.17	134.94
23 31 16 16-0093	EA	12" Fiber Reinforced Plastic 45 Degree Elbow .....		405.73	167.84
23 31 16 16-0094	EA	14" Fiber Reinforced Plastic 45 Degree Elbow .....		441.45	177.67
23 31 16 16-0095	EA	16" Fiber Reinforced Plastic 45 Degree Elbow .....		529.83	192.86
23 31 16 16-0096	EA	18" Fiber Reinforced Plastic 45 Degree Elbow .....		611.65	207.09
23 31 16 16-0097	EA	20" Fiber Reinforced Plastic 45 Degree Elbow .....		709.21	224.90
23 31 16 16-0098	EA	24" Fiber Reinforced Plastic 45 Degree Elbow .....		819.01	247.21
23 31 16 16-0099	EA	30" Fiber Reinforced Plastic 45 Degree Elbow .....		1,043.12	269.70
23 31 16 16-0100	EA	36" Fiber Reinforced Plastic 45 Degree Elbow .....		1,279.47	303.90
23 31 16 16-0101	EA	42" Fiber Reinforced Plastic 45 Degree Elbow .....		1,636.14	337.63
23 31 16 16-0102	EA	48" Fiber Reinforced Plastic 45 Degree Elbow .....		1,927.03	371.18
23 31 16 16-0103	EA	54" Fiber Reinforced Plastic 45 Degree Elbow .....		2,295.53	449.81
23 31 16 16-0104	EA	60" Fiber Reinforced Plastic 45 Degree Elbow .....		2,749.48	562.25
23 31 16 16-0105	EA	66" Fiber Reinforced Plastic 45 Degree Elbow .....		3,229.99	673.21
23 31 16 16-0106	EA	72" Fiber Reinforced Plastic 45 Degree Elbow .....		3,649.82	765.14
<b>23 31 16 16-0107 Fiber Reinforced Plastic Tee (23 31 16 16-0001)</b>					



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0108	EA		2" Fiber Reinforced Plastic Tee.....	205.50	72.43
23 31 16 16-0109	EA		3" Fiber Reinforced Plastic Tee.....	242.35	87.25
23 31 16 16-0110	EA		4" Fiber Reinforced Plastic Tee.....	277.70	101.20
23 31 16 16-0111	EA		6" Fiber Reinforced Plastic Tee.....	358.17	134.94
23 31 16 16-0112	EA		8" Fiber Reinforced Plastic Tee.....	437.15	167.84
23 31 16 16-0113	EA		10" Fiber Reinforced Plastic Tee.....	520.56	203.35
23 31 16 16-0114	EA		12" Fiber Reinforced Plastic Tee.....	628.86	246.45
23 31 16 16-0115	EA		14" Fiber Reinforced Plastic Tee.....	686.84	266.70
23 31 16 16-0116	EA		16" Fiber Reinforced Plastic Tee.....	797.83	289.75
23 31 16 16-0117	EA		18" Fiber Reinforced Plastic Tee.....	904.96	310.36
23 31 16 16-0118	EA		20" Fiber Reinforced Plastic Tee.....	1,046.94	337.45
23 31 16 16-0119	EA		24" Fiber Reinforced Plastic Tee.....	1,200.14	371.18
23 31 16 16-0120	EA		30" Fiber Reinforced Plastic Tee.....	1,437.80	404.73
23 31 16 16-0121	EA		36" Fiber Reinforced Plastic Tee.....	1,728.58	455.61
23 31 16 16-0122	EA		42" Fiber Reinforced Plastic Tee.....	2,297.42	506.22
23 31 16 16-0123	EA		48" Fiber Reinforced Plastic Tee.....	2,745.42	556.92
23 31 16 16-0124	EA		54" Fiber Reinforced Plastic Tee.....	3,305.91	675.17
23 31 16 16-0125	EA		60" Fiber Reinforced Plastic Tee.....	3,950.33	843.76
23 31 16 16-0126	EA		66" Fiber Reinforced Plastic Tee.....	4,594.22	1,011.97
23 31 16 16-0127	EA		72" Fiber Reinforced Plastic Tee.....	5,183.46	1,147.48
<b>23 31 16 16-0128 Fiber Reinforced Plastic Lateral Joint (23 31 16 16-0001)</b>					
23 31 16 16-0129	EA		2" Fiber Reinforced Plastic Lateral Joint.....	169.15	72.43
23 31 16 16-0130	EA		3" Fiber Reinforced Plastic Lateral Joint.....	198.71	87.25
23 31 16 16-0131	EA		4" Fiber Reinforced Plastic Lateral Joint.....	226.86	101.20
23 31 16 16-0132	EA		6" Fiber Reinforced Plastic Lateral Joint.....	287.98	134.94
23 31 16 16-0133	EA		8" Fiber Reinforced Plastic Lateral Joint.....	347.57	167.84
23 31 16 16-0134	EA		10" Fiber Reinforced Plastic Lateral Joint.....	416.43	203.35
23 31 16 16-0135	EA		12" Fiber Reinforced Plastic Lateral Joint.....	498.23	246.64
23 31 16 16-0136	EA		14" Fiber Reinforced Plastic Lateral Joint.....	541.04	266.51
23 31 16 16-0137	EA		16" Fiber Reinforced Plastic Lateral Joint.....	594.50	289.84
23 31 16 16-0138	EA		18" Fiber Reinforced Plastic Lateral Joint.....	643.73	310.65
23 31 16 16-0139	EA		20" Fiber Reinforced Plastic Lateral Joint.....	703.29	337.63
23 31 16 16-0140	EA		24" Fiber Reinforced Plastic Lateral Joint.....	778.54	371.18
23 31 16 16-0141	EA		30" Fiber Reinforced Plastic Lateral Joint.....	860.74	404.54
23 31 16 16-0142	EA		36" Fiber Reinforced Plastic Lateral Joint.....	972.12	455.33
23 31 16 16-0143	EA		42" Fiber Reinforced Plastic Lateral Joint.....	1,086.53	506.50
23 31 16 16-0144	EA		48" Fiber Reinforced Plastic Lateral Joint.....	1,194.35	556.73
23 31 16 16-0145	EA		54" Fiber Reinforced Plastic Lateral Joint.....	1,424.87	673.21
23 31 16 16-0146	EA		60" Fiber Reinforced Plastic Lateral Joint.....	1,735.84	845.26
23 31 16 16-0147	EA		66" Fiber Reinforced Plastic Lateral Joint.....	2,099.76	1,012.71
23 31 16 16-0148	EA		72" Fiber Reinforced Plastic Lateral Joint.....	2,348.58	1,147.48
<b>23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer (23 31 16 16-0001)</b>					
23 31 16 16-0150	EA		2" Fiber Reinforced Plastic One Piece Reducer.....	143.99	48.64
23 31 16 16-0151	EA		3" Fiber Reinforced Plastic One Piece Reducer.....	169.45	58.10
23 31 16 16-0152	EA		4" Fiber Reinforced Plastic One Piece Reducer.....	199.73	67.47
23 31 16 16-0153	EA		6" Fiber Reinforced Plastic One Piece Reducer.....	256.55	89.96
23 31 16 16-0154	EA		8" Fiber Reinforced Plastic One Piece Reducer.....	308.57	112.45
23 31 16 16-0155	EA		10" Fiber Reinforced Plastic One Piece Reducer.....	371.19	135.51
23 31 16 16-0156	EA		12" Fiber Reinforced Plastic One Piece Reducer.....	439.65	167.84
23 31 16 16-0157	EA		14" Fiber Reinforced Plastic One Piece Reducer.....	470.52	177.67
23 31 16 16-0158	EA		16" Fiber Reinforced Plastic One Piece Reducer.....	520.13	192.86
23 31 16 16-0159	EA		18" Fiber Reinforced Plastic One Piece Reducer.....	572.88	207.09
23 31 16 16-0160	EA		20" Fiber Reinforced Plastic One Piece Reducer.....	641.37	224.90
23 31 16 16-0161	EA		24" Fiber Reinforced Plastic One Piece Reducer.....	732.65	247.67
23 31 16 16-0162	EA		30" Fiber Reinforced Plastic One Piece Reducer.....	823.66	270.35
23 31 16 16-0163	EA		36" Fiber Reinforced Plastic One Piece Reducer.....	932.98	303.90
23 31 16 16-0164	EA		42" Fiber Reinforced Plastic One Piece Reducer.....	1,042.51	337.63
23 31 16 16-0165	EA		48" Fiber Reinforced Plastic One Piece Reducer.....	1,175.91	371.18
23 31 16 16-0166	EA		54" Fiber Reinforced Plastic One Piece Reducer.....	1,391.76	449.81
23 31 16 16-0167	EA		60" Fiber Reinforced Plastic One Piece Reducer.....	1,656.72	562.25
23 31 16 16-0168	EA		66" Fiber Reinforced Plastic One Piece Reducer.....	1,848.89	673.21
23 31 16 16-0169	EA		72" Fiber Reinforced Plastic One Piece Reducer.....	2,074.88	765.14
<b>23 31 16 16-0170 Fiber Reinforced Plastic Two Piece Reducer (23 31 16 16-0001)</b>					
23 31 16 16-0171	EA		2" Fiber Reinforced Plastic Two Piece Reducer.....	173.06	48.64
23 31 16 16-0172	EA		3" Fiber Reinforced Plastic Two Piece Reducer.....	188.83	58.10
23 31 16 16-0173	EA		4" Fiber Reinforced Plastic Two Piece Reducer.....	219.11	67.47
23 31 16 16-0174	EA		6" Fiber Reinforced Plastic Two Piece Reducer.....	283.20	89.96
23 31 16 16-0175	EA		8" Fiber Reinforced Plastic Two Piece Reducer.....	347.34	112.45
23 31 16 16-0176	EA		10" Fiber Reinforced Plastic Two Piece Reducer.....	412.38	135.51
23 31 16 16-0177	EA		12" Fiber Reinforced Plastic Two Piece Reducer.....	492.95	167.84
23 31 16 16-0178	EA		14" Fiber Reinforced Plastic Two Piece Reducer.....	538.37	177.67
23 31 16 16-0179	EA		16" Fiber Reinforced Plastic Two Piece Reducer.....	587.98	192.86
23 31 16 16-0180	EA		18" Fiber Reinforced Plastic Two Piece Reducer.....	664.95	207.09
23 31 16 16-0181	EA		20" Fiber Reinforced Plastic Two Piece Reducer.....	844.90	224.90
23 31 16 16-0182	EA		24" Fiber Reinforced Plastic Two Piece Reducer.....	1,030.68	247.67
23 31 16 16-0183	EA		30" Fiber Reinforced Plastic Two Piece Reducer.....	1,104.72	270.35
23 31 16 16-0184	EA		36" Fiber Reinforced Plastic Two Piece Reducer.....	1,257.66	303.90
23 31 16 16-0185	EA		42" Fiber Reinforced Plastic Two Piece Reducer.....	1,362.34	337.63
23 31 16 16-0186	EA		48" Fiber Reinforced Plastic Two Piece Reducer.....	1,490.89	371.18

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer.....	1,646.17		449.81
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer.....	1,896.59		562.25
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer.....	2,115.42		673.21
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer.....	2,317.18		765.14
<b>23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers (23 31 16 16-0001)</b>					
23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper.....	311.13		48.54
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper.....	351.12		58.00
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper.....	391.09		67.47
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper.....	464.93		89.96
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper.....	550.87		112.45
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper.....	624.70		134.94
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper.....	715.80		167.84
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper.....	792.85		177.67
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper.....	878.92		192.95
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper.....	962.73		206.91
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper.....	1,029.10		224.90
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper.....	1,163.50		247.39
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper.....	1,346.34		269.89
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper.....	1,547.98		303.62
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper.....	1,773.83		337.45
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper.....	1,975.49		371.18
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper.....	2,324.61		449.81
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper.....	2,730.10		562.25
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper.....	3,110.99		674.52
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper.....	3,575.75		764.39
<b>23 33 Air Duct Accessories (23 30)</b>					
<b>23 33 13 Dampers (23 33)</b>					
<b>23 33 13 13 Volume-Control Dampers (23 33 13)</b>					
<b>23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (23 33 13 13)</b>					
23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	88.05		11.14
		<i>For Stainless Steel, Add</i>	58.31		
		<i>For Parallel Blade Damper, Add</i>	17.94		
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	95.61		12.52
		<i>For Stainless Steel, Add</i>	59.15		
		<i>For Parallel Blade Damper, Add</i>	18.20		
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	104.25		13.92
		<i>For Stainless Steel, Add</i>	59.77		
		<i>For Parallel Blade Damper, Add</i>	18.39		
23 33 13 13-0005	EA	10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	113.09		16.70
		<i>For Stainless Steel, Add</i>	63.51		
		<i>For Parallel Blade Damper, Add</i>	19.54		
23 33 13 13-0006	EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	123.32		18.10
		<i>For Stainless Steel, Add</i>	67.25		
		<i>For Parallel Blade Damper, Add</i>	20.69		
23 33 13 13-0007	EA	14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	144.39		19.49
		<i>For Stainless Steel, Add</i>	85.92		
		<i>For Parallel Blade Damper, Add</i>	26.44		
23 33 13 13-0008	EA	15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	158.23		20.88
		<i>For Stainless Steel, Add</i>	93.39		
		<i>For Parallel Blade Damper, Add</i>	28.74		
23 33 13 13-0009	EA	16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	167.50		23.66
		<i>For Stainless Steel, Add</i>	97.11		
		<i>For Parallel Blade Damper, Add</i>	29.88		
23 33 13 13-0010	EA	18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	183.55		25.06
		<i>For Stainless Steel, Add</i>	108.33		
		<i>For Parallel Blade Damper, Add</i>	33.33		
23 33 13 13-0011	EA	20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	212.39		27.84
		<i>For Stainless Steel, Add</i>	134.49		
		<i>For Parallel Blade Damper, Add</i>	41.38		
23 33 13 13-0012	EA	24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	231.69		27.84
		<i>For Stainless Steel, Add</i>	153.14		
		<i>For Parallel Blade Damper, Add</i>	47.12		
23 33 13 13-0013	EA	30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	263.20		32.01
		<i>For Stainless Steel, Add</i>	179.30		
		<i>For Parallel Blade Damper, Add</i>	55.17		
23 33 13 13-0014	EA	36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	282.16		33.41
		<i>For Stainless Steel, Add</i>	195.38		
		<i>For Parallel Blade Damper, Add</i>	60.12		
<b>23 33 13 13-0015 Rectangular Opposed Blade Damper (23 33 13 13)</b>					
23 33 13 13-0016	EA	6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	84.16		15.48
		<i>For Stainless Steel, Add</i>	49.05		
		<i>For Parallel Blade Damper, Add</i>	15.09		
23 33 13 13-0017	EA	8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	88.93		16.17
		<i>For Stainless Steel, Add</i>	52.53		
		<i>For Parallel Blade Damper, Add</i>	16.16		
23 33 13 13-0018	EA	8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	91.91		16.31
		<i>For Stainless Steel, Add</i>	56.04		
		<i>For Parallel Blade Damper, Add</i>	17.24		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0019	EA		10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	91.91	16.31
			For Stainless Steel, Add	56.04	
			For Parallel Blade Damper, Add	17.24	
23 33 13 13-0020	EA		10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	96.00	16.74
			For Stainless Steel, Add	59.54	
			For Parallel Blade Damper, Add	18.32	
23 33 13 13-0021	EA		10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	106.95	18.55
			For Stainless Steel, Add	66.53	
			For Parallel Blade Damper, Add	20.47	
23 33 13 13-0022	EA		12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	96.00	16.74
			For Stainless Steel, Add	59.54	
			For Parallel Blade Damper, Add	18.32	
23 33 13 13-0023	EA		12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	104.16	17.71
			For Stainless Steel, Add	66.53	
			For Parallel Blade Damper, Add	20.47	
23 33 13 13-0024	EA		12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	109.67	18.55
			For Stainless Steel, Add	70.07	
			For Parallel Blade Damper, Add	21.56	
23 33 13 13-0025	EA		12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	119.35	20.92
			For Stainless Steel, Add	73.58	
			For Parallel Blade Damper, Add	22.64	
23 33 13 13-0026	EA		14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	102.83	17.71
			For Stainless Steel, Add	64.81	
			For Parallel Blade Damper, Add	19.94	
23 33 13 13-0027	EA		14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	109.67	18.55
			For Stainless Steel, Add	70.07	
			For Parallel Blade Damper, Add	21.56	
23 33 13 13-0028	EA		14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	115.16	19.52
			For Stainless Steel, Add	73.58	
			For Parallel Blade Damper, Add	22.64	
23 33 13 13-0029	EA		14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	122.04	20.92
			For Stainless Steel, Add	77.08	
			For Parallel Blade Damper, Add	23.72	
23 33 13 13-0030	EA		14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	135.74	23.28
			For Stainless Steel, Add	85.83	
			For Parallel Blade Damper, Add	26.41	
23 33 13 13-0031	EA		16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	109.67	18.55
			For Stainless Steel, Add	70.07	
			For Parallel Blade Damper, Add	21.56	
23 33 13 13-0032	EA		16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	116.55	19.93
			For Stainless Steel, Add	73.58	
			For Parallel Blade Damper, Add	22.64	
23 33 13 13-0033	EA		16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	124.82	21.89
			For Stainless Steel, Add	77.08	
			For Parallel Blade Damper, Add	23.72	
23 33 13 13-0034	EA		16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	131.69	23.28
			For Stainless Steel, Add	80.56	
			For Parallel Blade Damper, Add	24.79	
23 33 13 13-0035	EA		16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	145.43	25.51
			For Stainless Steel, Add	89.36	
			For Parallel Blade Damper, Add	27.50	
23 33 13 13-0036	EA		16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	159.12	27.89
			For Stainless Steel, Add	98.10	
			For Parallel Blade Damper, Add	30.18	
23 33 13 13-0037	EA		18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	115.16	19.52
			For Stainless Steel, Add	73.58	
			For Parallel Blade Damper, Add	22.64	
23 33 13 13-0038	EA		18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	123.37	20.92
			For Stainless Steel, Add	78.81	
			For Parallel Blade Damper, Add	24.25	
23 33 13 13-0039	EA		18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	134.41	23.28
			For Stainless Steel, Add	84.10	
			For Parallel Blade Damper, Add	25.88	
23 33 13 13-0040	EA		18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	148.12	25.51
			For Stainless Steel, Add	92.86	
			For Parallel Blade Damper, Add	28.57	
23 33 13 13-0041	EA		18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	160.47	27.89
			For Stainless Steel, Add	99.85	
			For Parallel Blade Damper, Add	30.72	
23 33 13 13-0042	EA		18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	174.15	30.12
			For Stainless Steel, Add	108.59	
			For Parallel Blade Damper, Add	33.41	
23 33 13 13-0043	EA		18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	185.17	32.48
			For Stainless Steel, Add	113.85	
			For Parallel Blade Damper, Add	35.03	
23 33 13 13-0044	EA		20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	122.04	20.92
			For Stainless Steel, Add	77.08	
			For Parallel Blade Damper, Add	23.72	
23 33 13 13-0045	EA		20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	134.39	23.28
			For Stainless Steel, Add	84.07	
			For Parallel Blade Damper, Add	25.87	
23 33 13 13-0046	EA		20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	146.76	25.51
			For Stainless Steel, Add	91.09	
			For Parallel Blade Damper, Add	28.03	
23 33 13 13-0047	EA		20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	164.52	27.89
			For Stainless Steel, Add	105.12	
			For Parallel Blade Damper, Add	32.34	
23 33 13 13-0048	EA		20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	175.52	30.12
			For Stainless Steel, Add	110.37	
			For Parallel Blade Damper, Add	33.96	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	13-0049	EA	20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	186.54	32.48
			<i>For Stainless Steel, Add</i>	115.64	
			<i>For Parallel Blade Damper, Add</i>	35.58	
23 33 13	13-0050	EA	20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	198.90	34.86
			<i>For Stainless Steel, Add</i>	122.63	
			<i>For Parallel Blade Damper, Add</i>	37.73	
23 33 13	13-0051	EA	20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	211.24	37.09
			<i>For Stainless Steel, Add</i>	129.61	
			<i>For Parallel Blade Damper, Add</i>	39.88	
23 33 13	13-0052	EA	24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	137.09	23.28
			<i>For Stainless Steel, Add</i>	87.58	
			<i>For Parallel Blade Damper, Add</i>	26.95	
23 33 13	13-0053	EA	24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	152.15	25.51
			<i>For Stainless Steel, Add</i>	98.10	
			<i>For Parallel Blade Damper, Add</i>	30.18	
23 33 13	13-0054	EA	24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	164.52	27.89
			<i>For Stainless Steel, Add</i>	105.12	
			<i>For Parallel Blade Damper, Add</i>	32.34	
23 33 13	13-0055	EA	24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	179.57	30.12
			<i>For Stainless Steel, Add</i>	115.64	
			<i>For Parallel Blade Damper, Add</i>	35.58	
23 33 13	13-0056	EA	24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	190.57	32.48
			<i>For Stainless Steel, Add</i>	120.87	
			<i>For Parallel Blade Damper, Add</i>	37.19	
23 33 13	13-0057	EA	24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	201.59	34.86
			<i>For Stainless Steel, Add</i>	126.13	
			<i>For Parallel Blade Damper, Add</i>	38.81	
23 33 13	13-0058	EA	24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	216.64	37.09
			<i>For Stainless Steel, Add</i>	136.63	
			<i>For Parallel Blade Damper, Add</i>	42.04	
23 33 13	13-0059	EA	24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	238.65	41.83
			<i>For Stainless Steel, Add</i>	147.12	
			<i>For Parallel Blade Damper, Add</i>	45.27	
23 33 13	13-0060	EA	24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	263.40	46.43
			<i>For Stainless Steel, Add</i>	161.17	
			<i>For Parallel Blade Damper, Add</i>	49.59	
23 33 13	13-0061	EA	28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	152.15	25.51
			<i>For Stainless Steel, Add</i>	98.10	
			<i>For Parallel Blade Damper, Add</i>	30.18	
23 33 13	13-0062	EA	28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	164.52	27.89
			<i>For Stainless Steel, Add</i>	105.12	
			<i>For Parallel Blade Damper, Add</i>	32.34	
23 33 13	13-0063	EA	28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	179.57	30.12
			<i>For Stainless Steel, Add</i>	115.64	
			<i>For Parallel Blade Damper, Add</i>	35.58	
23 33 13	13-0064	EA	28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	191.92	32.48
			<i>For Stainless Steel, Add</i>	122.63	
			<i>For Parallel Blade Damper, Add</i>	37.73	
23 33 13	13-0065	EA	28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	205.62	34.86
			<i>For Stainless Steel, Add</i>	131.37	
			<i>For Parallel Blade Damper, Add</i>	40.42	
23 33 13	13-0066	EA	28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	219.32	37.09
			<i>For Stainless Steel, Add</i>	140.11	
			<i>For Parallel Blade Damper, Add</i>	43.11	
23 33 13	13-0067	EA	28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	241.35	41.83
			<i>For Stainless Steel, Add</i>	150.63	
			<i>For Parallel Blade Damper, Add</i>	46.35	
23 33 13	13-0068	EA	28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	263.40	46.43
			<i>For Stainless Steel, Add</i>	161.17	
			<i>For Parallel Blade Damper, Add</i>	49.59	
23 33 13	13-0069	EA	28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	286.53	48.80
			<i>For Stainless Steel, Add</i>	182.17	
			<i>For Parallel Blade Damper, Add</i>	56.05	
23 33 13	13-0070	EA	28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	313.94	53.40
			<i>For Stainless Steel, Add</i>	199.68	
			<i>For Parallel Blade Damper, Add</i>	61.44	
23 33 13	13-0071	EA	32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	172.61	27.89
			<i>For Stainless Steel, Add</i>	115.64	
			<i>For Parallel Blade Damper, Add</i>	35.58	
23 33 13	13-0072	EA	32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	182.25	30.12
			<i>For Stainless Steel, Add</i>	119.12	
			<i>For Parallel Blade Damper, Add</i>	36.65	
23 33 13	13-0073	EA	32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	191.92	32.48
			<i>For Stainless Steel, Add</i>	122.63	
			<i>For Parallel Blade Damper, Add</i>	37.73	
23 33 13	13-0074	EA	32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	204.27	34.86
			<i>For Stainless Steel, Add</i>	129.61	
			<i>For Parallel Blade Damper, Add</i>	39.88	
23 33 13	13-0075	EA	32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	219.84	37.09
			<i>For Stainless Steel, Add</i>	140.79	
			<i>For Parallel Blade Damper, Add</i>	43.32	
23 33 13	13-0076	EA	32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	241.35	41.83
			<i>For Stainless Steel, Add</i>	150.63	
			<i>For Parallel Blade Damper, Add</i>	46.35	
23 33 13	13-0077	EA	32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	266.10	46.43
			<i>For Stainless Steel, Add</i>	164.68	
			<i>For Parallel Blade Damper, Add</i>	50.67	
23 33 13	13-0078	EA	32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	290.82	51.03
			<i>For Stainless Steel, Add</i>	178.69	
			<i>For Parallel Blade Damper, Add</i>	54.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0079	EA		32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	313.94	53.40
			For Stainless Steel, Add	199.68	
			For Parallel Blade Damper, Add	61.44	
23 33 13 13-0080	EA		32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	343.97	57.16
			For Stainless Steel, Add	224.22	
			For Parallel Blade Damper, Add	68.99	
23 33 13 13-0081	EA		32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	375.30	60.37
			For Stainless Steel, Add	252.27	
			For Parallel Blade Damper, Add	77.62	
23 33 13 13-0082	EA		36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	187.64	30.12
			For Stainless Steel, Add	126.13	
			For Parallel Blade Damper, Add	38.81	
23 33 13 13-0083	EA		36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	199.99	32.48
			For Stainless Steel, Add	133.12	
			For Parallel Blade Damper, Add	40.96	
23 33 13 13-0084	EA		36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	212.35	34.86
			For Stainless Steel, Add	140.11	
			For Parallel Blade Damper, Add	43.11	
23 33 13 13-0085	EA		36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	227.41	37.09
			For Stainless Steel, Add	150.63	
			For Parallel Blade Damper, Add	46.35	
23 33 13 13-0086	EA		36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	245.42	41.83
			For Stainless Steel, Add	155.92	
			For Parallel Blade Damper, Add	47.98	
23 33 13 13-0087	EA		36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	256.43	44.06
			For Stainless Steel, Add	161.17	
			For Parallel Blade Damper, Add	49.59	
23 33 13 13-0088	EA		36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	290.82	51.03
			For Stainless Steel, Add	178.69	
			For Parallel Blade Damper, Add	54.98	
23 33 13 13-0089	EA		36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	318.21	55.77
			For Stainless Steel, Add	196.17	
			For Parallel Blade Damper, Add	60.36	
23 33 13 13-0090	EA		36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	339.98	57.59
			For Stainless Steel, Add	217.22	
			For Parallel Blade Damper, Add	66.84	
23 33 13 13-0091	EA		36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	374.06	61.77
			For Stainless Steel, Add	245.22	
			For Parallel Blade Damper, Add	75.45	
23 33 13 13-0092	EA		36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	402.70	64.97
			For Stainless Steel, Add	269.75	
			For Parallel Blade Damper, Add	83.00	
23 33 13 13-0093	EA		36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	431.23	67.34
			For Stainless Steel, Add	297.78	
			For Parallel Blade Damper, Add	91.62	
23 33 13 13-0094	EA		40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	197.29	34.86
			For Stainless Steel, Add	129.61	
			For Parallel Blade Damper, Add	39.88	
23 33 13 13-0095	EA		40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	215.04	37.09
			For Stainless Steel, Add	143.61	
			For Parallel Blade Damper, Add	44.19	
23 33 13 13-0096	EA		40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	224.71	39.45
			For Stainless Steel, Add	147.12	
			For Parallel Blade Damper, Add	45.27	
23 33 13 13-0097	EA		40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	234.38	41.83
			For Stainless Steel, Add	150.63	
			For Parallel Blade Damper, Add	46.35	
23 33 13 13-0098	EA		40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	257.76	44.06
			For Stainless Steel, Add	162.90	
			For Parallel Blade Damper, Add	50.12	
23 33 13 13-0099	EA		40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	274.17	46.43
			For Stainless Steel, Add	175.18	
			For Parallel Blade Damper, Add	53.90	
23 33 13 13-0100	EA		40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	305.87	53.40
			For Stainless Steel, Add	189.19	
			For Parallel Blade Damper, Add	58.21	
23 33 13 13-0101	EA		40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	330.60	58.00
			For Stainless Steel, Add	203.22	
			For Parallel Blade Damper, Add	62.53	
23 33 13 13-0102	EA		40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	357.91	61.77
			For Stainless Steel, Add	224.22	
			For Parallel Blade Damper, Add	68.99	
23 33 13 13-0103	EA		40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	397.32	64.97
			For Stainless Steel, Add	262.76	
			For Parallel Blade Damper, Add	80.85	
23 33 13 13-0104	EA		40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	424.62	68.74
			For Stainless Steel, Add	283.75	
			For Parallel Blade Damper, Add	87.31	
23 33 13 13-0105	EA		40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	459.85	70.55
			For Stainless Steel, Add	322.31	
			For Parallel Blade Damper, Add	99.17	
23 33 13 13-0106	EA		40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	497.97	74.31
			For Stainless Steel, Add	357.34	
			For Parallel Blade Damper, Add	109.95	
23 33 13 13-0107	EA		44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	209.67	34.86
			For Stainless Steel, Add	136.63	
			For Parallel Blade Damper, Add	42.04	
23 33 13 13-0108	EA		44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	227.41	37.09
			For Stainless Steel, Add	150.63	
			For Parallel Blade Damper, Add	46.35	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	13-0109	EA	44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	242.49	39.45
			<i>For Stainless Steel, Add</i>	161.17	
			<i>For Parallel Blade Damper, Add</i>	49.59	
23 33 13	13-0110	EA	44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	252.16	41.83
			<i>For Stainless Steel, Add</i>	164.68	
			<i>For Parallel Blade Damper, Add</i>	50.67	
23 33 13	13-0111	EA	44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	269.90	44.06
			<i>For Stainless Steel, Add</i>	178.69	
			<i>For Parallel Blade Damper, Add</i>	54.98	
23 33 13	13-0112	EA	44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	287.64	46.43
			<i>For Stainless Steel, Add</i>	192.69	
			<i>For Parallel Blade Damper, Add</i>	59.29	
23 33 13	13-0113	EA	44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	329.02	55.77
			<i>For Stainless Steel, Add</i>	210.22	
			<i>For Parallel Blade Damper, Add</i>	64.68	
23 33 13	13-0114	EA	44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	356.41	60.37
			<i>For Stainless Steel, Add</i>	227.71	
			<i>For Parallel Blade Damper, Add</i>	70.06	
23 33 13	13-0115	EA	44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	397.32	64.97
			<i>For Stainless Steel, Add</i>	262.76	
			<i>For Parallel Blade Damper, Add</i>	80.85	
23 33 13	13-0116	EA	44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	435.52	69.72
			<i>For Stainless Steel, Add</i>	294.29	
			<i>For Parallel Blade Damper, Add</i>	90.55	
23 33 13	13-0117	EA	44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	476.39	74.31
			<i>For Stainless Steel, Add</i>	329.29	
			<i>For Parallel Blade Damper, Add</i>	101.32	
23 33 13	13-0118	EA	44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	507.62	76.54
			<i>For Stainless Steel, Add</i>	360.83	
			<i>For Parallel Blade Damper, Add</i>	111.02	
23 33 13	13-0119	EA	44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	538.85	78.92
			<i>For Stainless Steel, Add</i>	392.37	
			<i>For Parallel Blade Damper, Add</i>	120.73	
23 33 13	13-0120	EA	44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	570.08	81.28
			<i>For Stainless Steel, Add</i>	423.90	
			<i>For Parallel Blade Damper, Add</i>	130.43	
23 33 13	13-0121	EA	48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	224.71	37.09
			<i>For Stainless Steel, Add</i>	147.12	
			<i>For Parallel Blade Damper, Add</i>	45.27	
23 33 13	13-0122	EA	48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	242.49	39.45
			<i>For Stainless Steel, Add</i>	161.17	
			<i>For Parallel Blade Damper, Add</i>	49.59	
23 33 13	13-0123	EA	48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	252.16	41.83
			<i>For Stainless Steel, Add</i>	164.68	
			<i>For Parallel Blade Damper, Add</i>	50.67	
23 33 13	13-0124	EA	48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	274.17	46.43
			<i>For Stainless Steel, Add</i>	175.18	
			<i>For Parallel Blade Damper, Add</i>	53.90	
23 33 13	13-0125	EA	48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	298.90	51.03
			<i>For Stainless Steel, Add</i>	189.19	
			<i>For Parallel Blade Damper, Add</i>	58.21	
23 33 13	13-0126	EA	48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	323.63	55.77
			<i>For Stainless Steel, Add</i>	203.22	
			<i>For Parallel Blade Damper, Add</i>	62.53	
23 33 13	13-0127	EA	48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	353.73	60.37
			<i>For Stainless Steel, Add</i>	224.22	
			<i>For Parallel Blade Damper, Add</i>	68.99	
23 33 13	13-0128	EA	48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	383.83	64.97
			<i>For Stainless Steel, Add</i>	245.22	
			<i>For Parallel Blade Damper, Add</i>	75.45	
23 33 13	13-0129	EA	48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	422.03	69.72
			<i>For Stainless Steel, Add</i>	276.76	
			<i>For Parallel Blade Damper, Add</i>	85.16	
23 33 13	13-0130	EA	48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	465.62	74.31
			<i>For Stainless Steel, Add</i>	315.29	
			<i>For Parallel Blade Damper, Add</i>	97.01	
23 33 13	13-0131	EA	48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	496.87	76.54
			<i>For Stainless Steel, Add</i>	346.85	
			<i>For Parallel Blade Damper, Add</i>	106.72	
23 33 13	13-0132	EA	48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	536.16	78.92
			<i>For Stainless Steel, Add</i>	388.87	
			<i>For Parallel Blade Damper, Add</i>	119.65	
23 33 13	13-0133	EA	48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	574.36	83.51
			<i>For Stainless Steel, Add</i>	420.41	
			<i>For Parallel Blade Damper, Add</i>	129.36	
23 33 13	13-0134	EA	48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	613.66	85.89
			<i>For Stainless Steel, Add</i>	462.44	
			<i>For Parallel Blade Damper, Add</i>	142.29	
23 33 13	13-0135	EA	48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	656.13	92.86
			<i>For Stainless Steel, Add</i>	490.46	
			<i>For Parallel Blade Damper, Add</i>	150.91	
23 33 13	13-0136	EA	52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	239.79	39.45
			<i>For Stainless Steel, Add</i>	157.66	
			<i>For Parallel Blade Damper, Add</i>	48.51	
23 33 13	13-0137	EA	52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	257.54	41.83
			<i>For Stainless Steel, Add</i>	171.68	
			<i>For Parallel Blade Damper, Add</i>	52.82	
23 33 13	13-0138	EA	52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	282.25	46.43
			<i>For Stainless Steel, Add</i>	185.68	
			<i>For Parallel Blade Damper, Add</i>	57.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0139	EA		52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	298.90	51.03
			For Stainless Steel, Add	189.19	
			For Parallel Blade Damper, Add	58.21	
23 33 13 13-0140	EA		52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	324.98	55.77
			For Stainless Steel, Add	204.97	
			For Parallel Blade Damper, Add	63.07	
23 33 13 13-0141	EA		52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	351.04	60.37
			For Stainless Steel, Add	220.73	
			For Parallel Blade Damper, Add	67.92	
23 33 13 13-0142	EA		52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	381.15	64.97
			For Stainless Steel, Add	241.74	
			For Parallel Blade Damper, Add	74.38	
23 33 13 13-0143	EA		52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	411.26	69.72
			For Stainless Steel, Add	262.76	
			For Parallel Blade Damper, Add	80.85	
23 33 13 13-0144	EA		52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	449.47	74.31
			For Stainless Steel, Add	294.29	
			For Parallel Blade Damper, Add	90.55	
23 33 13 13-0145	EA		52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	495.73	78.92
			For Stainless Steel, Add	336.31	
			For Parallel Blade Damper, Add	103.48	
23 33 13 13-0146	EA		52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	529.64	81.28
			For Stainless Steel, Add	371.33	
			For Parallel Blade Damper, Add	114.26	
23 33 13 13-0147	EA		52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	571.66	83.51
			For Stainless Steel, Add	416.90	
			For Parallel Blade Damper, Add	128.28	
23 33 13 13-0148	EA		52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	617.92	88.26
			For Stainless Steel, Add	458.90	
			For Parallel Blade Damper, Add	141.20	
23 33 13 13-0149	EA		52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	656.13	92.86
			For Stainless Steel, Add	490.46	
			For Parallel Blade Damper, Add	150.91	
23 33 13 13-0150	EA		52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	709.38	99.83
			For Stainless Steel, Add	532.51	
			For Parallel Blade Damper, Add	163.85	
23 33 13 13-0151	EA		52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	750.29	104.43
			For Stainless Steel, Add	567.55	
			For Parallel Blade Damper, Add	174.63	
23 33 13 13-0152	EA		56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	252.16	41.83
			For Stainless Steel, Add	164.68	
			For Parallel Blade Damper, Add	50.67	
23 33 13 13-0153	EA		56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	279.55	46.43
			For Stainless Steel, Add	182.17	
			For Parallel Blade Damper, Add	56.05	
23 33 13 13-0154	EA		56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	301.59	51.03
			For Stainless Steel, Add	192.69	
			For Parallel Blade Damper, Add	59.29	
23 33 13 13-0155	EA		56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	318.21	55.77
			For Stainless Steel, Add	196.17	
			For Parallel Blade Damper, Add	60.36	
23 33 13 13-0156	EA		56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	346.99	60.37
			For Stainless Steel, Add	215.46	
			For Parallel Blade Damper, Add	66.30	
23 33 13 13-0157	EA		56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	375.76	64.97
			For Stainless Steel, Add	234.73	
			For Parallel Blade Damper, Add	72.22	
23 33 13 13-0158	EA		56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	404.52	69.72
			For Stainless Steel, Add	253.99	
			For Parallel Blade Damper, Add	78.15	
23 33 13 13-0159	EA		56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	433.29	74.31
			For Stainless Steel, Add	273.26	
			For Parallel Blade Damper, Add	84.08	
23 33 13 13-0160	EA		56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	479.56	78.92
			For Stainless Steel, Add	315.29	
			For Parallel Blade Damper, Add	97.01	
23 33 13 13-0161	EA		56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	518.88	81.28
			For Stainless Steel, Add	357.34	
			For Parallel Blade Damper, Add	109.95	
23 33 13 13-0162	EA		56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	555.49	83.51
			For Stainless Steel, Add	395.88	
			For Parallel Blade Damper, Add	121.81	
23 33 13 13-0163	EA		56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	607.17	88.26
			For Stainless Steel, Add	444.93	
			For Parallel Blade Damper, Add	136.90	
23 33 13 13-0164	EA		56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	653.44	92.86
			For Stainless Steel, Add	486.97	
			For Parallel Blade Damper, Add	149.84	
23 33 13 13-0165	EA		56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	702.41	97.46
			For Stainless Steel, Add	532.51	
			For Parallel Blade Damper, Add	163.85	
23 33 13 13-0166	EA		56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	743.32	102.20
			For Stainless Steel, Add	567.55	
			For Parallel Blade Damper, Add	174.63	
23 33 13 13-0167	EA		56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	792.29	106.80
			For Stainless Steel, Add	613.09	
			For Parallel Blade Damper, Add	188.64	
23 33 13 13-0168	EA		56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	841.26	111.40
			For Stainless Steel, Add	658.63	
			For Parallel Blade Damper, Add	202.66	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	13-0169	EA	60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	274.17	46.43
			<i>For Stainless Steel, Add</i>	175.18	
			<i>For Parallel Blade Damper, Add</i>	53.90	
23 33 13	13-0170	EA	60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	301.59	51.03
			<i>For Stainless Steel, Add</i>	192.69	
			<i>For Parallel Blade Damper, Add</i>	59.29	
23 33 13	13-0171	EA	60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	320.91	55.77
			<i>For Stainless Steel, Add</i>	199.68	
			<i>For Parallel Blade Damper, Add</i>	61.44	
23 33 13	13-0172	EA	60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	337.57	60.37
			<i>For Stainless Steel, Add</i>	203.22	
			<i>For Parallel Blade Damper, Add</i>	62.53	
23 33 13	13-0173	EA	60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	367.68	64.97
			<i>For Stainless Steel, Add</i>	224.22	
			<i>For Parallel Blade Damper, Add</i>	68.99	
23 33 13	13-0174	EA	60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	397.77	69.72
			<i>For Stainless Steel, Add</i>	245.22	
			<i>For Parallel Blade Damper, Add</i>	75.45	
23 33 13	13-0175	EA	60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	429.24	74.31
			<i>For Stainless Steel, Add</i>	268.00	
			<i>For Parallel Blade Damper, Add</i>	82.46	
23 33 13	13-0176	EA	60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	460.70	78.92
			<i>For Stainless Steel, Add</i>	290.77	
			<i>For Parallel Blade Damper, Add</i>	89.47	
23 33 13	13-0177	EA	60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	502.70	81.28
			<i>For Stainless Steel, Add</i>	336.31	
			<i>For Parallel Blade Damper, Add</i>	103.48	
23 33 13	13-0178	EA	60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	542.00	83.51
			<i>For Stainless Steel, Add</i>	378.34	
			<i>For Parallel Blade Damper, Add</i>	116.41	
23 33 13	13-0179	EA	60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	591.00	88.26
			<i>For Stainless Steel, Add</i>	423.90	
			<i>For Parallel Blade Damper, Add</i>	130.43	
23 33 13	13-0180	EA	60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	639.97	92.86
			<i>For Stainless Steel, Add</i>	469.46	
			<i>For Parallel Blade Damper, Add</i>	144.45	
23 33 13	13-0181	EA	60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	680.85	97.46
			<i>For Stainless Steel, Add</i>	504.48	
			<i>For Parallel Blade Damper, Add</i>	155.22	
23 33 13	13-0182	EA	60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	737.90	102.20
			<i>For Stainless Steel, Add</i>	560.51	
			<i>For Parallel Blade Damper, Add</i>	172.46	
23 33 13	13-0183	EA	60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	789.57	106.80
			<i>For Stainless Steel, Add</i>	609.56	
			<i>For Parallel Blade Damper, Add</i>	187.56	
23 33 13	13-0184	EA	60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	841.26	111.40
			<i>For Stainless Steel, Add</i>	658.63	
			<i>For Parallel Blade Damper, Add</i>	202.66	
23 33 13	13-0185	EA	60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	887.51	116.14
			<i>For Stainless Steel, Add</i>	700.62	
			<i>For Parallel Blade Damper, Add</i>	215.58	
23 33 13	13-0186	EA	60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	933.82	120.75
			<i>For Stainless Steel, Add</i>	742.70	
			<i>For Parallel Blade Damper, Add</i>	228.52	
<b>23 33 13 16 Fire Dampers (23 33 13)</b>					
<b>23 33 13 16-0001 Fire Dampers (23 33 13 16)</b>					
23 33 13	16-0002	SF	Curtain Type, Vertical, Fire Damper.....	115.96	15.06
			<i>For Horizontal, Add</i>	10.60	
			<i>For 3 Hour Rated, Add</i>	14.13	
			<i>For Dynamic Damper, Add</i>	15.89	
			<i>For Smoke Damper, Add</i>	60.04	
23 33 13	16-0003	SF	Louver Type, Vertical, Fire Damper.....	154.49	15.06
			<i>For Horizontal, Add</i>	16.38	
			<i>For 3 Hour Rated, Add</i>	21.83	
			<i>For Dynamic Damper, Add</i>	24.56	
			<i>For Smoke Damper, Add</i>	92.79	
<b>23 33 13 16-0004 Folding Curtain Fire Dampers (23 33 13 16)</b>					
Note: UL Listed. Air stream galvanized steel construction with fusible link 160 F spring actuated for horizontal mount gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.					
23 33 13	16-0005	EA	6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	62.83	15.48
			<i>For Horizontal, Add</i>	2.46	
			<i>For 3 Hour Rated, Add</i>	3.28	
			<i>For Dynamic Damper, Add</i>	3.69	
			<i>For Damper Blades Outside Air Stream, Add</i>	4.92	
23 33 13	16-0006	EA	8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	66.08	16.17
			<i>For Horizontal, Add</i>	2.63	
			<i>For 3 Hour Rated, Add</i>	3.51	
			<i>For Dynamic Damper, Add</i>	3.95	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.27	
23 33 13	16-0007	EA	8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	67.54	16.31
			<i>For Horizontal, Add</i>	2.81	
			<i>For 3 Hour Rated, Add</i>	3.75	
			<i>For Dynamic Damper, Add</i>	4.22	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0008	EA		10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	67.54	16.31
			<i>For Horizontal, Add</i>	2.81	
			<i>For 3 Hour Rated, Add</i>	3.75	
			<i>For Dynamic Damper, Add</i>	4.22	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.62	
23 33 13 16-0009	EA		10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	70.11	16.74
			<i>For Horizontal, Add</i>	2.99	
			<i>For 3 Hour Rated, Add</i>	3.98	
			<i>For Dynamic Damper, Add</i>	4.48	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.97	
23 33 13 16-0010	EA		10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	78.02	18.55
			<i>For Horizontal, Add</i>	3.34	
			<i>For 3 Hour Rated, Add</i>	4.45	
			<i>For Dynamic Damper, Add</i>	5.01	
			<i>For Damper Blades Outside Air Stream, Add</i>	6.68	
23 33 13 16-0011	EA		12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	70.11	16.74
			<i>For Horizontal, Add</i>	2.99	
			<i>For 3 Hour Rated, Add</i>	3.98	
			<i>For Dynamic Damper, Add</i>	4.48	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.97	
23 33 13 16-0012	EA		12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	75.23	17.71
			<i>For Horizontal, Add</i>	3.34	
			<i>For 3 Hour Rated, Add</i>	4.45	
			<i>For Dynamic Damper, Add</i>	5.01	
			<i>For Damper Blades Outside Air Stream, Add</i>	6.68	
23 33 13 16-0013	EA		12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	79.19	18.55
			<i>For Horizontal, Add</i>	3.51	
			<i>For 3 Hour Rated, Add</i>	4.68	
			<i>For Dynamic Damper, Add</i>	5.27	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0014	EA		12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.35	20.92
			<i>For Horizontal, Add</i>	3.69	
			<i>For 3 Hour Rated, Add</i>	4.92	
			<i>For Dynamic Damper, Add</i>	5.54	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0015	EA		14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	74.65	17.71
			<i>For Horizontal, Add</i>	3.25	
			<i>For 3 Hour Rated, Add</i>	4.33	
			<i>For Dynamic Damper, Add</i>	4.88	
			<i>For Damper Blades Outside Air Stream, Add</i>	6.50	
23 33 13 16-0016	EA		14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	79.19	18.55
			<i>For Horizontal, Add</i>	3.51	
			<i>For 3 Hour Rated, Add</i>	4.68	
			<i>For Dynamic Damper, Add</i>	5.27	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0017	EA		14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	83.16	19.52
			<i>For Horizontal, Add</i>	3.69	
			<i>For 3 Hour Rated, Add</i>	4.92	
			<i>For Dynamic Damper, Add</i>	5.54	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0018	EA		14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	88.52	20.92
			<i>For Horizontal, Add</i>	3.87	
			<i>For 3 Hour Rated, Add</i>	5.15	
			<i>For Dynamic Damper, Add</i>	5.80	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0019	EA		14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	98.42	23.28
			<i>For Horizontal, Add</i>	4.31	
			<i>For 3 Hour Rated, Add</i>	5.74	
			<i>For Dynamic Damper, Add</i>	6.46	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.61	
23 33 13 16-0020	EA		16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	79.19	18.55
			<i>For Horizontal, Add</i>	3.51	
			<i>For 3 Hour Rated, Add</i>	4.68	
			<i>For Dynamic Damper, Add</i>	5.27	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0021	EA		16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.55	19.93
			<i>For Horizontal, Add</i>	3.69	
			<i>For 3 Hour Rated, Add</i>	4.92	
			<i>For Dynamic Damper, Add</i>	5.54	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0022	EA		16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	91.30	21.89
			<i>For Horizontal, Add</i>	3.87	
			<i>For 3 Hour Rated, Add</i>	5.15	
			<i>For Dynamic Damper, Add</i>	5.80	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0023	EA		16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	96.65	23.28
			<i>For Horizontal, Add</i>	4.04	
			<i>For 3 Hour Rated, Add</i>	5.39	
			<i>For Dynamic Damper, Add</i>	6.06	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.08	
23 33 13 16-0024	EA		16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	106.56	25.51
			<i>For Horizontal, Add</i>	4.48	
			<i>For 3 Hour Rated, Add</i>	5.97	
			<i>For Dynamic Damper, Add</i>	6.72	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.96	
23 33 13 16-0025	EA		16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	116.46	27.89
			<i>For Horizontal, Add</i>	4.92	
			<i>For 3 Hour Rated, Add</i>	6.56	
			<i>For Dynamic Damper, Add</i>	7.38	
			<i>For Damper Blades Outside Air Stream, Add</i>	9.84	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 33 13 16-0026	EA 18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	83.16	19.52
	For Horizontal, Add	3.69	
	For 3 Hour Rated, Add	4.92	
	For Dynamic Damper, Add	5.54	
	For Damper Blades Outside Air Stream, Add	7.38	
23 33 13 16-0027	EA 18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	89.10	20.92
	For Horizontal, Add	3.95	
	For 3 Hour Rated, Add	5.27	
	For Dynamic Damper, Add	5.93	
	For Damper Blades Outside Air Stream, Add	7.91	
23 33 13 16-0028	EA 18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	97.84	23.28
	For Horizontal, Add	4.22	
	For 3 Hour Rated, Add	5.62	
	For Dynamic Damper, Add	6.33	
	For Damper Blades Outside Air Stream, Add	8.44	
23 33 13 16-0029	EA 18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	107.73	25.51
	For Horizontal, Add	4.66	
	For 3 Hour Rated, Add	6.21	
	For Dynamic Damper, Add	6.98	
	For Damper Blades Outside Air Stream, Add	9.31	
23 33 13 16-0030	EA 18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	117.04	27.89
	For Horizontal, Add	5.01	
	For 3 Hour Rated, Add	6.68	
	For Dynamic Damper, Add	7.51	
	For Damper Blades Outside Air Stream, Add	10.01	
23 33 13 16-0031	EA 18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	126.93	30.12
	For Horizontal, Add	5.45	
	For 3 Hour Rated, Add	7.26	
	For Dynamic Damper, Add	8.17	
	For Damper Blades Outside Air Stream, Add	10.89	
23 33 13 16-0032	EA 18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	135.66	32.48
	For Horizontal, Add	5.71	
	For 3 Hour Rated, Add	7.61	
	For Dynamic Damper, Add	8.57	
	For Damper Blades Outside Air Stream, Add	11.42	
23 33 13 16-0033	EA 20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	88.52	20.92
	For Horizontal, Add	3.87	
	For 3 Hour Rated, Add	5.15	
	For Dynamic Damper, Add	5.80	
	For Damper Blades Outside Air Stream, Add	7.73	
23 33 13 16-0034	EA 20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	97.83	23.28
	For Horizontal, Add	4.22	
	For 3 Hour Rated, Add	5.62	
	For Dynamic Damper, Add	6.32	
	For Damper Blades Outside Air Stream, Add	8.43	
23 33 13 16-0035	EA 20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	107.14	25.51
	For Horizontal, Add	4.57	
	For 3 Hour Rated, Add	6.09	
	For Dynamic Damper, Add	6.85	
	For Damper Blades Outside Air Stream, Add	9.14	
23 33 13 16-0036	EA 20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	118.81	27.89
	For Horizontal, Add	5.27	
	For 3 Hour Rated, Add	7.03	
	For Dynamic Damper, Add	7.91	
	For Damper Blades Outside Air Stream, Add	10.55	
23 33 13 16-0037	EA 20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	127.52	30.12
	For Horizontal, Add	5.54	
	For 3 Hour Rated, Add	7.38	
	For Dynamic Damper, Add	8.30	
	For Damper Blades Outside Air Stream, Add	11.07	
23 33 13 16-0038	EA 20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	136.25	32.48
	For Horizontal, Add	5.80	
	For 3 Hour Rated, Add	7.73	
	For Dynamic Damper, Add	8.70	
	For Damper Blades Outside Air Stream, Add	11.60	
23 33 13 16-0039	EA 20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	145.57	34.86
	For Horizontal, Add	6.15	
	For 3 Hour Rated, Add	8.20	
	For Dynamic Damper, Add	9.23	
	For Damper Blades Outside Air Stream, Add	12.30	
23 33 13 16-0040	EA 20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	154.87	37.09
	For Horizontal, Add	6.50	
	For 3 Hour Rated, Add	8.67	
	For Dynamic Damper, Add	9.75	
	For Damper Blades Outside Air Stream, Add	13.00	
23 33 13 16-0041	EA 24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	99.00	23.28
	For Horizontal, Add	4.39	
	For 3 Hour Rated, Add	5.86	
	For Dynamic Damper, Add	6.59	
	For Damper Blades Outside Air Stream, Add	8.78	
23 33 13 16-0042	EA 24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	109.49	25.51
	For Horizontal, Add	4.92	
	For 3 Hour Rated, Add	6.56	
	For Dynamic Damper, Add	7.38	
	For Damper Blades Outside Air Stream, Add	9.84	
23 33 13 16-0043	EA 24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	118.81	27.89
	For Horizontal, Add	5.27	
	For 3 Hour Rated, Add	7.03	
	For Dynamic Damper, Add	7.91	
	For Damper Blades Outside Air Stream, Add	10.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0044	EA		24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	129.28	30.12
			<i>For Horizontal, Add</i>	5.80	
			<i>For 3 Hour Rated, Add</i>	7.73	
			<i>For Dynamic Damper, Add</i>	8.70	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0045	EA		24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	138.00	32.48
			<i>For Horizontal, Add</i>	6.06	
			<i>For 3 Hour Rated, Add</i>	8.08	
			<i>For Dynamic Damper, Add</i>	9.09	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.12	
23 33 13 16-0046	EA		24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	146.74	34.86
			<i>For Horizontal, Add</i>	6.33	
			<i>For 3 Hour Rated, Add</i>	8.43	
			<i>For Dynamic Damper, Add</i>	9.49	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.65	
23 33 13 16-0047	EA		24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	157.22	37.09
			<i>For Horizontal, Add</i>	6.85	
			<i>For 3 Hour Rated, Add</i>	9.14	
			<i>For Dynamic Damper, Add</i>	10.28	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.70	
23 33 13 16-0048	EA		24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	174.67	41.83
			<i>For Horizontal, Add</i>	7.38	
			<i>For 3 Hour Rated, Add</i>	9.84	
			<i>For Dynamic Damper, Add</i>	11.07	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.76	
23 33 13 16-0049	EA		24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	193.31	46.43
			<i>For Horizontal, Add</i>	8.08	
			<i>For 3 Hour Rated, Add</i>	10.78	
			<i>For Dynamic Damper, Add</i>	12.13	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0050	EA		28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	109.49	25.51
			<i>For Horizontal, Add</i>	4.92	
			<i>For 3 Hour Rated, Add</i>	6.56	
			<i>For Dynamic Damper, Add</i>	7.38	
			<i>For Damper Blades Outside Air Stream, Add</i>	9.84	
23 33 13 16-0051	EA		28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	118.81	27.89
			<i>For Horizontal, Add</i>	5.27	
			<i>For 3 Hour Rated, Add</i>	7.03	
			<i>For Dynamic Damper, Add</i>	7.91	
			<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0052	EA		28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	129.28	30.12
			<i>For Horizontal, Add</i>	5.80	
			<i>For 3 Hour Rated, Add</i>	7.73	
			<i>For Dynamic Damper, Add</i>	8.70	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0053	EA		28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	138.59	32.48
			<i>For Horizontal, Add</i>	6.15	
			<i>For 3 Hour Rated, Add</i>	8.20	
			<i>For Dynamic Damper, Add</i>	9.23	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0054	EA		28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	148.50	34.86
			<i>For Horizontal, Add</i>	6.59	
			<i>For 3 Hour Rated, Add</i>	8.79	
			<i>For Dynamic Damper, Add</i>	9.88	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.18	
23 33 13 16-0055	EA		28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	158.39	37.09
			<i>For Horizontal, Add</i>	7.03	
			<i>For 3 Hour Rated, Add</i>	9.37	
			<i>For Dynamic Damper, Add</i>	10.54	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.06	
23 33 13 16-0056	EA		28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	175.85	41.83
			<i>For Horizontal, Add</i>	7.56	
			<i>For 3 Hour Rated, Add</i>	10.07	
			<i>For Dynamic Damper, Add</i>	11.33	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0057	EA		28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	193.31	46.43
			<i>For Horizontal, Add</i>	8.08	
			<i>For 3 Hour Rated, Add</i>	10.78	
			<i>For Dynamic Damper, Add</i>	12.13	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0058	EA		28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	207.31	48.80
			<i>For Horizontal, Add</i>	9.14	
			<i>For 3 Hour Rated, Add</i>	12.18	
			<i>For Dynamic Damper, Add</i>	13.70	
			<i>For Damper Blades Outside Air Stream, Add</i>	18.27	
23 33 13 16-0059	EA		28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	227.11	53.40
			<i>For Horizontal, Add</i>	10.02	
			<i>For 3 Hour Rated, Add</i>	13.35	
			<i>For Dynamic Damper, Add</i>	15.02	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.03	
23 33 13 16-0060	EA		32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	122.32	27.89
			<i>For Horizontal, Add</i>	5.80	
			<i>For 3 Hour Rated, Add</i>	7.73	
			<i>For Dynamic Damper, Add</i>	8.70	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0061	EA		32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	130.44	30.12
			<i>For Horizontal, Add</i>	5.97	
			<i>For 3 Hour Rated, Add</i>	7.96	
			<i>For Dynamic Damper, Add</i>	8.96	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.95	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 33 13 16-0062	EA 32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	138.59	32.48
	For Horizontal, Add	6.15	
	For 3 Hour Rated, Add	8.20	
	For Dynamic Damper, Add	9.23	
	For Damper Blades Outside Air Stream, Add	12.30	
23 33 13 16-0063	EA 32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	147.90	34.86
	For Horizontal, Add	6.50	
	For 3 Hour Rated, Add	8.67	
	For Dynamic Damper, Add	9.75	
	For Damper Blades Outside Air Stream, Add	13.00	
23 33 13 16-0064	EA 32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	158.61	37.09
	For Horizontal, Add	7.06	
	For 3 Hour Rated, Add	9.41	
	For Dynamic Damper, Add	10.59	
	For Damper Blades Outside Air Stream, Add	14.12	
23 33 13 16-0065	EA 32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	175.85	41.83
	For Horizontal, Add	7.56	
	For 3 Hour Rated, Add	10.07	
	For Dynamic Damper, Add	11.33	
	For Damper Blades Outside Air Stream, Add	15.11	
23 33 13 16-0066	EA 32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	194.48	46.43
	For Horizontal, Add	8.26	
	For 3 Hour Rated, Add	11.01	
	For Dynamic Damper, Add	12.39	
	For Damper Blades Outside Air Stream, Add	16.52	
23 33 13 16-0067	EA 32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	213.11	51.03
	For Horizontal, Add	8.96	
	For 3 Hour Rated, Add	11.95	
	For Dynamic Damper, Add	13.44	
	For Damper Blades Outside Air Stream, Add	17.92	
23 33 13 16-0068	EA 32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	227.11	53.40
	For Horizontal, Add	10.02	
	For 3 Hour Rated, Add	13.35	
	For Dynamic Damper, Add	15.02	
	For Damper Blades Outside Air Stream, Add	20.03	
23 33 13 16-0069	EA 32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	246.46	57.16
	For Horizontal, Add	11.25	
	For 3 Hour Rated, Add	14.99	
	For Dynamic Damper, Add	16.87	
	For Damper Blades Outside Air Stream, Add	22.49	
23 33 13 16-0070	EA 32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	265.59	60.37
	For Horizontal, Add	12.65	
	For 3 Hour Rated, Add	16.87	
	For Dynamic Damper, Add	18.98	
	For Damper Blades Outside Air Stream, Add	25.30	
23 33 13 16-0071	EA 36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	132.79	30.12
	For Horizontal, Add	6.33	
	For 3 Hour Rated, Add	8.43	
	For Dynamic Damper, Add	9.49	
	For Damper Blades Outside Air Stream, Add	12.65	
23 33 13 16-0072	EA 36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	142.10	32.48
	For Horizontal, Add	6.68	
	For 3 Hour Rated, Add	8.90	
	For Dynamic Damper, Add	10.01	
	For Damper Blades Outside Air Stream, Add	13.35	
23 33 13 16-0073	EA 36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	151.42	34.86
	For Horizontal, Add	7.03	
	For 3 Hour Rated, Add	9.37	
	For Dynamic Damper, Add	10.54	
	For Damper Blades Outside Air Stream, Add	14.06	
23 33 13 16-0074	EA 36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	161.91	37.09
	For Horizontal, Add	7.56	
	For 3 Hour Rated, Add	10.07	
	For Dynamic Damper, Add	11.33	
	For Damper Blades Outside Air Stream, Add	15.11	
23 33 13 16-0075	EA 36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	177.61	41.83
	For Horizontal, Add	7.82	
	For 3 Hour Rated, Add	10.43	
	For Dynamic Damper, Add	11.73	
	For Damper Blades Outside Air Stream, Add	15.64	
23 33 13 16-0076	EA 36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	186.34	44.06
	For Horizontal, Add	8.08	
	For 3 Hour Rated, Add	10.78	
	For Dynamic Damper, Add	12.13	
	For Damper Blades Outside Air Stream, Add	16.17	
23 33 13 16-0077	EA 36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	213.11	51.03
	For Horizontal, Add	8.96	
	For 3 Hour Rated, Add	11.95	
	For Dynamic Damper, Add	13.44	
	For Damper Blades Outside Air Stream, Add	17.92	
23 33 13 16-0078	EA 36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	232.90	55.77
	For Horizontal, Add	9.84	
	For 3 Hour Rated, Add	13.12	
	For Dynamic Damper, Add	14.76	
	For Damper Blades Outside Air Stream, Add	19.68	
23 33 13 16-0079	EA 36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	214.39	57.59
	For Horizontal, Add	6.23	
	For 3 Hour Rated, Add	8.30	
	For Dynamic Damper, Add	9.34	
	For Damper Blades Outside Air Stream, Add	12.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0080	EA		36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	267.42	61.77
			<i>For Horizontal, Add</i>	12.30	
			<i>For 3 Hour Rated, Add</i>	16.40	
			<i>For Dynamic Damper, Add</i>	18.45	
			<i>For Damper Blades Outside Air Stream, Add</i>	24.60	
23 33 13 16-0081	EA		36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	285.39	64.97
			<i>For Horizontal, Add</i>	13.53	
			<i>For 3 Hour Rated, Add</i>	18.04	
			<i>For Dynamic Damper, Add</i>	20.29	
			<i>For Damper Blades Outside Air Stream, Add</i>	27.06	
23 33 13 16-0082	EA		36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	301.73	67.34
			<i>For Horizontal, Add</i>	14.93	
			<i>For 3 Hour Rated, Add</i>	19.91	
			<i>For Dynamic Damper, Add</i>	22.40	
			<i>For Damper Blades Outside Air Stream, Add</i>	29.87	
23 33 13 16-0083	EA		40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	140.92	34.86
			<i>For Horizontal, Add</i>	6.50	
			<i>For 3 Hour Rated, Add</i>	8.67	
			<i>For Dynamic Damper, Add</i>	9.75	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.00	
23 33 13 16-0084	EA		40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.59	37.09
			<i>For Horizontal, Add</i>	7.20	
			<i>For 3 Hour Rated, Add</i>	9.60	
			<i>For Dynamic Damper, Add</i>	10.80	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.41	
23 33 13 16-0085	EA		40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	160.73	39.45
			<i>For Horizontal, Add</i>	7.38	
			<i>For 3 Hour Rated, Add</i>	9.84	
			<i>For Dynamic Damper, Add</i>	11.07	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.76	
23 33 13 16-0086	EA		40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	168.88	41.83
			<i>For Horizontal, Add</i>	7.56	
			<i>For 3 Hour Rated, Add</i>	10.07	
			<i>For Dynamic Damper, Add</i>	11.33	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0087	EA		40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	186.92	44.06
			<i>For Horizontal, Add</i>	8.17	
			<i>For 3 Hour Rated, Add</i>	10.89	
			<i>For Dynamic Damper, Add</i>	12.26	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.34	
23 33 13 16-0088	EA		40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	197.99	46.43
			<i>For Horizontal, Add</i>	8.79	
			<i>For 3 Hour Rated, Add</i>	11.71	
			<i>For Dynamic Damper, Add</i>	13.18	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0089	EA		40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	223.59	53.40
			<i>For Horizontal, Add</i>	9.49	
			<i>For 3 Hour Rated, Add</i>	12.65	
			<i>For Dynamic Damper, Add</i>	14.23	
			<i>For Damper Blades Outside Air Stream, Add</i>	18.98	
23 33 13 16-0090	EA		40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	242.22	58.00
			<i>For Horizontal, Add</i>	10.19	
			<i>For 3 Hour Rated, Add</i>	13.59	
			<i>For Dynamic Damper, Add</i>	15.29	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.38	
23 33 13 16-0091	EA		40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	260.40	61.77
			<i>For Horizontal, Add</i>	11.25	
			<i>For 3 Hour Rated, Add</i>	14.99	
			<i>For Dynamic Damper, Add</i>	16.87	
			<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0092	EA		40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	283.05	64.97
			<i>For Horizontal, Add</i>	13.18	
			<i>For 3 Hour Rated, Add</i>	17.57	
			<i>For Dynamic Damper, Add</i>	19.77	
			<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0093	EA		40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	301.22	68.74
			<i>For Horizontal, Add</i>	14.23	
			<i>For 3 Hour Rated, Add</i>	18.97	
			<i>For Dynamic Damper, Add</i>	21.35	
			<i>For Damper Blades Outside Air Stream, Add</i>	28.46	
23 33 13 16-0094	EA		40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	319.68	70.55
			<i>For Horizontal, Add</i>	16.16	
			<i>For 3 Hour Rated, Add</i>	21.55	
			<i>For Dynamic Damper, Add</i>	24.25	
			<i>For Damper Blades Outside Air Stream, Add</i>	32.33	
23 33 13 16-0095	EA		40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	342.57	74.31
			<i>For Horizontal, Add</i>	17.92	
			<i>For 3 Hour Rated, Add</i>	23.90	
			<i>For Dynamic Damper, Add</i>	26.88	
			<i>For Damper Blades Outside Air Stream, Add</i>	35.84	
23 33 13 16-0096	EA		44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	150.25	34.86
			<i>For Horizontal, Add</i>	6.85	
			<i>For 3 Hour Rated, Add</i>	9.14	
			<i>For Dynamic Damper, Add</i>	10.28	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.70	
23 33 13 16-0097	EA		44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.91	37.09
			<i>For Horizontal, Add</i>	7.56	
			<i>For 3 Hour Rated, Add</i>	10.07	
			<i>For Dynamic Damper, Add</i>	11.33	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.11	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 33 13 16-0098	EA 44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	172.40	39.45
	For Horizontal, Add	8.08	
	For 3 Hour Rated, Add	10.78	
	For Dynamic Damper, Add	12.13	
	For Damper Blades Outside Air Stream, Add	16.17	
23 33 13 16-0099	EA 44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	180.54	41.83
	For Horizontal, Add	8.26	
	For 3 Hour Rated, Add	11.01	
	For Dynamic Damper, Add	12.39	
	For Damper Blades Outside Air Stream, Add	16.52	
23 33 13 16-0100	EA 44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	192.19	44.06
	For Horizontal, Add	8.96	
	For 3 Hour Rated, Add	11.95	
	For Dynamic Damper, Add	13.44	
	For Damper Blades Outside Air Stream, Add	17.92	
23 33 13 16-0101	EA 44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	203.85	46.43
	For Horizontal, Add	9.66	
	For 3 Hour Rated, Add	12.89	
	For Dynamic Damper, Add	14.50	
	For Damper Blades Outside Air Stream, Add	19.33	
23 33 13 16-0102	EA 44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	237.60	55.77
	For Horizontal, Add	10.54	
	For 3 Hour Rated, Add	14.06	
	For Dynamic Damper, Add	15.82	
	For Damper Blades Outside Air Stream, Add	21.09	
23 33 13 16-0103	EA 44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	257.38	60.37
	For Horizontal, Add	11.42	
	For 3 Hour Rated, Add	15.23	
	For Dynamic Damper, Add	17.13	
	For Damper Blades Outside Air Stream, Add	22.84	
23 33 13 16-0104	EA 44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	283.05	64.97
	For Horizontal, Add	13.18	
	For 3 Hour Rated, Add	17.57	
	For Dynamic Damper, Add	19.77	
	For Damper Blades Outside Air Stream, Add	26.36	
23 33 13 16-0105	EA 44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	307.53	69.72
	For Horizontal, Add	14.76	
	For 3 Hour Rated, Add	19.68	
	For Dynamic Damper, Add	22.14	
	For Damper Blades Outside Air Stream, Add	29.52	
23 33 13 16-0106	EA 44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	333.19	74.31
	For Horizontal, Add	16.52	
	For 3 Hour Rated, Add	22.02	
	For Dynamic Damper, Add	24.77	
	For Damper Blades Outside Air Stream, Add	33.03	
23 33 13 16-0107	EA 44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	350.70	76.54
	For Horizontal, Add	18.10	
	For 3 Hour Rated, Add	24.13	
	For Dynamic Damper, Add	27.14	
	For Damper Blades Outside Air Stream, Add	36.19	
23 33 13 16-0108	EA 44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	368.21	78.92
	For Horizontal, Add	19.68	
	For 3 Hour Rated, Add	26.24	
	For Dynamic Damper, Add	29.52	
	For Damper Blades Outside Air Stream, Add	39.35	
23 33 13 16-0109	EA 44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	385.74	81.28
	For Horizontal, Add	21.26	
	For 3 Hour Rated, Add	28.35	
	For Dynamic Damper, Add	31.89	
	For Damper Blades Outside Air Stream, Add	42.52	
23 33 13 16-0110	EA 48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	160.73	37.09
	For Horizontal, Add	7.38	
	For 3 Hour Rated, Add	9.84	
	For Dynamic Damper, Add	11.07	
	For Damper Blades Outside Air Stream, Add	14.76	
23 33 13 16-0111	EA 48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	172.40	39.45
	For Horizontal, Add	8.08	
	For 3 Hour Rated, Add	10.78	
	For Dynamic Damper, Add	12.13	
	For Damper Blades Outside Air Stream, Add	16.17	
23 33 13 16-0112	EA 48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	180.54	41.83
	For Horizontal, Add	8.26	
	For 3 Hour Rated, Add	11.01	
	For Dynamic Damper, Add	12.39	
	For Damper Blades Outside Air Stream, Add	16.52	
23 33 13 16-0113	EA 48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	197.99	46.43
	For Horizontal, Add	8.79	
	For 3 Hour Rated, Add	11.71	
	For Dynamic Damper, Add	13.18	
	For Damper Blades Outside Air Stream, Add	17.57	
23 33 13 16-0114	EA 48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	216.62	51.03
	For Horizontal, Add	9.49	
	For 3 Hour Rated, Add	12.65	
	For Dynamic Damper, Add	14.23	
	For Damper Blades Outside Air Stream, Add	18.98	
23 33 13 16-0115	EA 48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	235.25	55.77
	For Horizontal, Add	10.19	
	For 3 Hour Rated, Add	13.59	
	For Dynamic Damper, Add	15.29	
	For Damper Blades Outside Air Stream, Add	20.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0116	EA		48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	256.22	60.37
			<i>For Horizontal, Add</i>	11.25	
			<i>For 3 Hour Rated, Add</i>	14.99	
			<i>For Dynamic Damper, Add</i>	16.87	
			<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0117	EA		48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	277.19	64.97
			<i>For Horizontal, Add</i>	12.30	
			<i>For 3 Hour Rated, Add</i>	16.40	
			<i>For Dynamic Damper, Add</i>	18.45	
			<i>For Damper Blades Outside Air Stream, Add</i>	24.60	
23 33 13 16-0118	EA		48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	301.67	69.72
			<i>For Horizontal, Add</i>	13.88	
			<i>For 3 Hour Rated, Add</i>	18.51	
			<i>For Dynamic Damper, Add</i>	20.82	
			<i>For Damper Blades Outside Air Stream, Add</i>	27.76	
23 33 13 16-0119	EA		48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	328.50	74.31
			<i>For Horizontal, Add</i>	15.81	
			<i>For 3 Hour Rated, Add</i>	21.08	
			<i>For Dynamic Damper, Add</i>	23.72	
			<i>For Damper Blades Outside Air Stream, Add</i>	31.62	
23 33 13 16-0120	EA		48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	346.03	76.54
			<i>For Horizontal, Add</i>	17.40	
			<i>For 3 Hour Rated, Add</i>	23.19	
			<i>For Dynamic Damper, Add</i>	26.09	
			<i>For Damper Blades Outside Air Stream, Add</i>	34.79	
23 33 13 16-0121	EA		48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	367.04	78.92
			<i>For Horizontal, Add</i>	19.50	
			<i>For 3 Hour Rated, Add</i>	26.00	
			<i>For Dynamic Damper, Add</i>	29.25	
			<i>For Damper Blades Outside Air Stream, Add</i>	39.00	
23 33 13 16-0122	EA		48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	391.53	83.51
			<i>For Horizontal, Add</i>	21.08	
			<i>For 3 Hour Rated, Add</i>	28.11	
			<i>For Dynamic Damper, Add</i>	31.63	
			<i>For Damper Blades Outside Air Stream, Add</i>	42.17	
23 33 13 16-0123	EA		48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	412.56	85.89
			<i>For Horizontal, Add</i>	23.19	
			<i>For 3 Hour Rated, Add</i>	30.92	
			<i>For Dynamic Damper, Add</i>	34.79	
			<i>For Damper Blades Outside Air Stream, Add</i>	46.39	
23 33 13 16-0124	EA		48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	442.83	92.86
			<i>For Horizontal, Add</i>	24.60	
			<i>For 3 Hour Rated, Add</i>	32.80	
			<i>For Dynamic Damper, Add</i>	36.90	
			<i>For Damper Blades Outside Air Stream, Add</i>	49.19	
23 33 13 16-0125	EA		52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	171.22	39.45
			<i>For Horizontal, Add</i>	7.91	
			<i>For 3 Hour Rated, Add</i>	10.54	
			<i>For Dynamic Damper, Add</i>	11.86	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.81	
23 33 13 16-0126	EA		52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	182.88	41.83
			<i>For Horizontal, Add</i>	8.61	
			<i>For 3 Hour Rated, Add</i>	11.48	
			<i>For Dynamic Damper, Add</i>	12.92	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.22	
23 33 13 16-0127	EA		52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	201.50	46.43
			<i>For Horizontal, Add</i>	9.31	
			<i>For 3 Hour Rated, Add</i>	12.42	
			<i>For Dynamic Damper, Add</i>	13.97	
			<i>For Damper Blades Outside Air Stream, Add</i>	18.62	
23 33 13 16-0128	EA		52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	216.62	51.03
			<i>For Horizontal, Add</i>	9.49	
			<i>For 3 Hour Rated, Add</i>	12.65	
			<i>For Dynamic Damper, Add</i>	14.23	
			<i>For Damper Blades Outside Air Stream, Add</i>	18.98	
23 33 13 16-0129	EA		52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	235.84	55.77
			<i>For Horizontal, Add</i>	10.28	
			<i>For 3 Hour Rated, Add</i>	13.71	
			<i>For Dynamic Damper, Add</i>	15.42	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.56	
23 33 13 16-0130	EA		52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	255.05	60.37
			<i>For Horizontal, Add</i>	11.07	
			<i>For 3 Hour Rated, Add</i>	14.76	
			<i>For Dynamic Damper, Add</i>	16.61	
			<i>For Damper Blades Outside Air Stream, Add</i>	22.14	
23 33 13 16-0131	EA		52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	276.03	64.97
			<i>For Horizontal, Add</i>	12.12	
			<i>For 3 Hour Rated, Add</i>	16.17	
			<i>For Dynamic Damper, Add</i>	18.19	
			<i>For Damper Blades Outside Air Stream, Add</i>	24.25	
23 33 13 16-0132	EA		52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	296.99	69.72
			<i>For Horizontal, Add</i>	13.18	
			<i>For 3 Hour Rated, Add</i>	17.57	
			<i>For Dynamic Damper, Add</i>	19.77	
			<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0133	EA		52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	321.48	74.31
			<i>For Horizontal, Add</i>	14.76	
			<i>For 3 Hour Rated, Add</i>	19.68	
			<i>For Dynamic Damper, Add</i>	22.14	
			<i>For Damper Blades Outside Air Stream, Add</i>	29.52	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0134	EA		52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	349.48	78.92
			<i>For Horizontal, Add</i>	16.87	
			<i>For 3 Hour Rated, Add</i>	22.49	
			<i>For Dynamic Damper, Add</i>	25.30	
			<i>For Damper Blades Outside Air Stream, Add</i>	33.74	
23 33 13 16-0135	EA		52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	368.15	81.28
			<i>For Horizontal, Add</i>	18.62	
			<i>For 3 Hour Rated, Add</i>	24.83	
			<i>For Dynamic Damper, Add</i>	27.93	
			<i>For Damper Blades Outside Air Stream, Add</i>	37.25	
23 33 13 16-0136	EA		52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	390.36	83.51
			<i>For Horizontal, Add</i>	20.91	
			<i>For 3 Hour Rated, Add</i>	27.88	
			<i>For Dynamic Damper, Add</i>	31.36	
			<i>For Damper Blades Outside Air Stream, Add</i>	41.82	
23 33 13 16-0137	EA		52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	418.35	88.26
			<i>For Horizontal, Add</i>	23.01	
			<i>For 3 Hour Rated, Add</i>	30.69	
			<i>For Dynamic Damper, Add</i>	34.52	
			<i>For Damper Blades Outside Air Stream, Add</i>	46.03	
23 33 13 16-0138	EA		52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	442.83	92.86
			<i>For Horizontal, Add</i>	24.60	
			<i>For 3 Hour Rated, Add</i>	32.80	
			<i>For Dynamic Damper, Add</i>	36.90	
			<i>For Damper Blades Outside Air Stream, Add</i>	49.19	
23 33 13 16-0139	EA		52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	477.80	99.83
			<i>For Horizontal, Add</i>	26.71	
			<i>For 3 Hour Rated, Add</i>	35.61	
			<i>For Dynamic Damper, Add</i>	40.06	
			<i>For Damper Blades Outside Air Stream, Add</i>	53.41	
23 33 13 16-0140	EA		52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	503.46	104.43
			<i>For Horizontal, Add</i>	28.46	
			<i>For 3 Hour Rated, Add</i>	37.95	
			<i>For Dynamic Damper, Add</i>	42.69	
			<i>For Damper Blades Outside Air Stream, Add</i>	56.93	
23 33 13 16-0141	EA		56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	180.54	41.83
			<i>For Horizontal, Add</i>	8.26	
			<i>For 3 Hour Rated, Add</i>	11.01	
			<i>For Dynamic Damper, Add</i>	12.39	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0142	EA		56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	200.33	46.43
			<i>For Horizontal, Add</i>	9.14	
			<i>For 3 Hour Rated, Add</i>	12.18	
			<i>For Dynamic Damper, Add</i>	13.70	
			<i>For Damper Blades Outside Air Stream, Add</i>	18.27	
23 33 13 16-0143	EA		56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	217.80	51.03
			<i>For Horizontal, Add</i>	9.66	
			<i>For 3 Hour Rated, Add</i>	12.89	
			<i>For Dynamic Damper, Add</i>	14.50	
			<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0144	EA		56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	232.90	55.77
			<i>For Horizontal, Add</i>	9.84	
			<i>For 3 Hour Rated, Add</i>	13.12	
			<i>For Dynamic Damper, Add</i>	14.76	
			<i>For Damper Blades Outside Air Stream, Add</i>	19.68	
23 33 13 16-0145	EA		56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	253.29	60.37
			<i>For Horizontal, Add</i>	10.81	
			<i>For 3 Hour Rated, Add</i>	14.41	
			<i>For Dynamic Damper, Add</i>	16.21	
			<i>For Damper Blades Outside Air Stream, Add</i>	21.61	
23 33 13 16-0146	EA		56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	273.68	64.97
			<i>For Horizontal, Add</i>	11.77	
			<i>For 3 Hour Rated, Add</i>	15.70	
			<i>For Dynamic Damper, Add</i>	17.66	
			<i>For Damper Blades Outside Air Stream, Add</i>	23.54	
23 33 13 16-0147	EA		56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	294.06	69.72
			<i>For Horizontal, Add</i>	12.74	
			<i>For 3 Hour Rated, Add</i>	16.98	
			<i>For Dynamic Damper, Add</i>	19.11	
			<i>For Damper Blades Outside Air Stream, Add</i>	25.48	
23 33 13 16-0148	EA		56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	314.45	74.31
			<i>For Horizontal, Add</i>	13.70	
			<i>For 3 Hour Rated, Add</i>	18.27	
			<i>For Dynamic Damper, Add</i>	20.56	
			<i>For Damper Blades Outside Air Stream, Add</i>	27.41	
23 33 13 16-0149	EA		56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	342.44	78.92
			<i>For Horizontal, Add</i>	15.81	
			<i>For 3 Hour Rated, Add</i>	21.08	
			<i>For Dynamic Damper, Add</i>	23.72	
			<i>For Damper Blades Outside Air Stream, Add</i>	31.62	
23 33 13 16-0150	EA		56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	363.48	81.28
			<i>For Horizontal, Add</i>	17.92	
			<i>For 3 Hour Rated, Add</i>	23.90	
			<i>For Dynamic Damper, Add</i>	26.88	
			<i>For Damper Blades Outside Air Stream, Add</i>	35.84	
23 33 13 16-0151	EA		56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	383.33	83.51
			<i>For Horizontal, Add</i>	19.85	
			<i>For 3 Hour Rated, Add</i>	26.47	
			<i>For Dynamic Damper, Add</i>	29.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	39.71	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0152	EA		56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.68	88.26
			For Horizontal, Add	22.31	
			For 3 Hour Rated, Add	29.75	
			For Dynamic Damper, Add	33.47	
			For Damper Blades Outside Air Stream, Add	44.63	
23 33 13 16-0153	EA		56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	441.66	92.86
			For Horizontal, Add	24.42	
			For 3 Hour Rated, Add	32.56	
			For Dynamic Damper, Add	36.63	
			For Damper Blades Outside Air Stream, Add	48.84	
23 33 13 16-0154	EA		56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.83	97.46
			For Horizontal, Add	26.71	
			For 3 Hour Rated, Add	35.61	
			For Dynamic Damper, Add	40.06	
			For Damper Blades Outside Air Stream, Add	53.41	
23 33 13 16-0155	EA		56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	496.49	102.20
			For Horizontal, Add	28.46	
			For 3 Hour Rated, Add	37.95	
			For Dynamic Damper, Add	42.69	
			For Damper Blades Outside Air Stream, Add	56.93	
23 33 13 16-0156	EA		56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	525.66	106.80
			For Horizontal, Add	30.75	
			For 3 Hour Rated, Add	41.00	
			For Dynamic Damper, Add	46.12	
			For Damper Blades Outside Air Stream, Add	61.49	
23 33 13 16-0157	EA		56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	554.83	111.40
			For Horizontal, Add	33.03	
			For 3 Hour Rated, Add	44.04	
			For Dynamic Damper, Add	49.55	
			For Damper Blades Outside Air Stream, Add	66.06	
23 33 13 16-0158	EA		60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	197.99	46.43
			For Horizontal, Add	8.79	
			For 3 Hour Rated, Add	11.71	
			For Dynamic Damper, Add	13.18	
			For Damper Blades Outside Air Stream, Add	17.57	
23 33 13 16-0159	EA		60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.80	51.03
			For Horizontal, Add	9.66	
			For 3 Hour Rated, Add	12.89	
			For Dynamic Damper, Add	14.50	
			For Damper Blades Outside Air Stream, Add	19.33	
23 33 13 16-0160	EA		60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	234.08	55.77
			For Horizontal, Add	10.02	
			For 3 Hour Rated, Add	13.35	
			For Dynamic Damper, Add	15.02	
			For Damper Blades Outside Air Stream, Add	20.03	
23 33 13 16-0161	EA		60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	249.19	60.37
			For Horizontal, Add	10.19	
			For 3 Hour Rated, Add	13.59	
			For Dynamic Damper, Add	15.29	
			For Damper Blades Outside Air Stream, Add	20.38	
23 33 13 16-0162	EA		60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.17	64.97
			For Horizontal, Add	11.25	
			For 3 Hour Rated, Add	14.99	
			For Dynamic Damper, Add	16.87	
			For Damper Blades Outside Air Stream, Add	22.49	
23 33 13 16-0163	EA		60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	291.13	69.72
			For Horizontal, Add	12.30	
			For 3 Hour Rated, Add	16.40	
			For Dynamic Damper, Add	18.45	
			For Damper Blades Outside Air Stream, Add	24.60	
23 33 13 16-0164	EA		60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.70	74.31
			For Horizontal, Add	13.44	
			For 3 Hour Rated, Add	17.92	
			For Dynamic Damper, Add	20.16	
			For Damper Blades Outside Air Stream, Add	26.88	
23 33 13 16-0165	EA		60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	334.25	78.92
			For Horizontal, Add	14.58	
			For 3 Hour Rated, Add	19.44	
			For Dynamic Damper, Add	21.87	
			For Damper Blades Outside Air Stream, Add	29.17	
23 33 13 16-0166	EA		60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	356.45	81.28
			For Horizontal, Add	16.87	
			For 3 Hour Rated, Add	22.49	
			For Dynamic Damper, Add	25.30	
			For Damper Blades Outside Air Stream, Add	33.74	
23 33 13 16-0167	EA		60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	377.47	83.51
			For Horizontal, Add	18.98	
			For 3 Hour Rated, Add	25.30	
			For Dynamic Damper, Add	28.46	
			For Damper Blades Outside Air Stream, Add	37.95	
23 33 13 16-0168	EA		60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	406.66	88.26
			For Horizontal, Add	21.26	
			For 3 Hour Rated, Add	28.35	
			For Dynamic Damper, Add	31.89	
			For Damper Blades Outside Air Stream, Add	42.52	
23 33 13 16-0169	EA		60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	435.81	92.86
			For Horizontal, Add	23.54	
			For 3 Hour Rated, Add	31.39	
			For Dynamic Damper, Add	35.32	
			For Damper Blades Outside Air Stream, Add	47.09	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0170	EA		60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	461.46	97.46
			<i>For Horizontal, Add</i>	25.30	
			<i>For 3 Hour Rated, Add</i>	33.73	
			<i>For Dynamic Damper, Add</i>	37.95	
			<i>For Damper Blades Outside Air Stream, Add</i>	50.60	
23 33 13 16-0171	EA		60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	494.15	102.20
			<i>For Horizontal, Add</i>	28.11	
			<i>For 3 Hour Rated, Add</i>	37.48	
			<i>For Dynamic Damper, Add</i>	42.17	
			<i>For Damper Blades Outside Air Stream, Add</i>	56.22	
23 33 13 16-0172	EA		60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	524.49	106.80
			<i>For Horizontal, Add</i>	30.57	
			<i>For 3 Hour Rated, Add</i>	40.76	
			<i>For Dynamic Damper, Add</i>	45.86	
			<i>For Damper Blades Outside Air Stream, Add</i>	61.14	
23 33 13 16-0173	EA		60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	554.83	111.40
			<i>For Horizontal, Add</i>	33.03	
			<i>For 3 Hour Rated, Add</i>	44.04	
			<i>For Dynamic Damper, Add</i>	49.55	
			<i>For Damper Blades Outside Air Stream, Add</i>	66.06	
23 33 13 16-0174	EA		60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	582.82	116.14
			<i>For Horizontal, Add</i>	35.14	
			<i>For 3 Hour Rated, Add</i>	46.85	
			<i>For Dynamic Damper, Add</i>	52.71	
			<i>For Damper Blades Outside Air Stream, Add</i>	70.28	
23 33 13 16-0175	EA		60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	610.83	120.75
			<i>For Horizontal, Add</i>	37.25	
			<i>For 3 Hour Rated, Add</i>	49.66	
			<i>For Dynamic Damper, Add</i>	55.87	
			<i>For Damper Blades Outside Air Stream, Add</i>	74.50	
<b>23 33 13 16-0176</b>			<b>Parallel Blade Louver Fire Damper</b> <small>(23 33 13 16)</small>		
			Note: UL listed. Galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.		
23 33 13 16-0177	EA		6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	80.37	15.48
			<i>For Horizontal, Add</i>	5.09	
			<i>For 3 Hour Rated, Add</i>	6.79	
			<i>For Dynamic Damper, Add</i>	7.64	
23 33 13 16-0178	EA		8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	83.91	16.17
			<i>For Horizontal, Add</i>	5.31	
			<i>For 3 Hour Rated, Add</i>	7.08	
			<i>For Dynamic Damper, Add</i>	7.96	
23 33 13 16-0179	EA		8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	85.66	16.31
			<i>For Horizontal, Add</i>	5.53	
			<i>For 3 Hour Rated, Add</i>	7.37	
			<i>For Dynamic Damper, Add</i>	8.29	
23 33 13 16-0180	EA		10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	85.66	16.31
			<i>For Horizontal, Add</i>	5.53	
			<i>For 3 Hour Rated, Add</i>	7.37	
			<i>For Dynamic Damper, Add</i>	8.29	
23 33 13 16-0181	EA		10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	88.53	16.74
			<i>For Horizontal, Add</i>	5.75	
			<i>For 3 Hour Rated, Add</i>	7.67	
			<i>For Dynamic Damper, Add</i>	8.62	
23 33 13 16-0182	EA		10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	97.02	18.55
			<i>For Horizontal, Add</i>	6.19	
			<i>For 3 Hour Rated, Add</i>	8.25	
			<i>For Dynamic Damper, Add</i>	9.28	
23 33 13 16-0183	EA		12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	88.53	16.74
			<i>For Horizontal, Add</i>	5.75	
			<i>For 3 Hour Rated, Add</i>	7.67	
			<i>For Dynamic Damper, Add</i>	8.62	
23 33 13 16-0184	EA		12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	94.23	17.71
			<i>For Horizontal, Add</i>	6.19	
			<i>For 3 Hour Rated, Add</i>	8.25	
			<i>For Dynamic Damper, Add</i>	9.28	
23 33 13 16-0185	EA		12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	98.49	18.55
			<i>For Horizontal, Add</i>	6.41	
			<i>For 3 Hour Rated, Add</i>	8.54	
			<i>For Dynamic Damper, Add</i>	9.61	
23 33 13 16-0186	EA		12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	106.93	20.92
			<i>For Horizontal, Add</i>	6.63	
			<i>For 3 Hour Rated, Add</i>	8.84	
			<i>For Dynamic Damper, Add</i>	9.94	
23 33 13 16-0187	EA		14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	93.50	17.71
			<i>For Horizontal, Add</i>	6.08	
			<i>For 3 Hour Rated, Add</i>	8.10	
			<i>For Dynamic Damper, Add</i>	9.12	
23 33 13 16-0188	EA		14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	98.49	18.55
			<i>For Horizontal, Add</i>	6.41	
			<i>For 3 Hour Rated, Add</i>	8.54	
			<i>For Dynamic Damper, Add</i>	9.61	
23 33 13 16-0189	EA		14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	102.74	19.52
			<i>For Horizontal, Add</i>	6.63	
			<i>For 3 Hour Rated, Add</i>	8.84	
			<i>For Dynamic Damper, Add</i>	9.94	
23 33 13 16-0190	EA		14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	108.39	20.92
			<i>For Horizontal, Add</i>	6.85	
			<i>For 3 Hour Rated, Add</i>	9.13	
			<i>For Dynamic Damper, Add</i>	10.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0191	EA		14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	119.03 7.40 9.86 11.09	23.28
23 33 13 16-0192	EA		16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	115.43 8.95 11.93 13.42	18.55
23 33 13 16-0193	EA		16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	121.25 9.20 12.26 13.79	19.93
23 33 13 16-0194	EA		16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	128.48 9.44 12.59 14.16	21.89
23 33 13 16-0195	EA		16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	134.30 9.69 12.92 14.53	23.28
23 33 13 16-0196	EA		16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	145.38 10.30 13.74 15.46	25.51
23 33 13 16-0197	EA		16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	156.45 10.92 14.56 16.38	27.89
23 33 13 16-0198	EA		18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	119.86 9.20 12.26 13.79	19.52
23 33 13 16-0199	EA		18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	126.51 9.56 12.75 14.35	20.92
23 33 13 16-0200	EA		18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	135.96 9.94 13.25 14.90	23.28
23 33 13 16-0201	EA		18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	147.02 10.55 14.07 15.82	25.51
23 33 13 16-0202	EA		18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	157.27 11.04 14.72 16.56	27.89
23 33 13 16-0203	EA		18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	168.33 11.66 15.54 17.48	30.12
23 33 13 16-0204	EA		18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	177.76 12.03 16.03 18.04	32.48
23 33 13 16-0205	EA		20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	125.70 9.44 12.59 14.16	20.92
23 33 13 16-0206	EA		20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	135.94 9.93 13.24 14.90	23.28
23 33 13 16-0207	EA		20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	146.20 10.43 13.90 15.64	25.51
23 33 13 16-0208	EA		20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	159.74 11.41 15.22 17.12	27.89
23 33 13 16-0209	EA		20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	169.16 11.78 15.71 17.67	30.12
23 33 13 16-0210	EA		20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	178.58 12.15 16.20 18.22	32.48
23 33 13 16-0211	EA		20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	188.84 12.64 16.85 18.96	34.86
23 33 13 16-0212	EA		20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Horizontal, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	199.08 13.13 17.51 19.70	37.09

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0213	EA		24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	151.02	23.28
			<i>For Horizontal, Add</i>	12.20	
			<i>For 3 Hour Rated, Add</i>	16.26	
			<i>For Dynamic Damper, Add</i>	18.29	
23 33 13 16-0214	EA		24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.92	25.51
			<i>For Horizontal, Add</i>	12.93	
			<i>For 3 Hour Rated, Add</i>	17.25	
			<i>For Dynamic Damper, Add</i>	19.40	
23 33 13 16-0215	EA		24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.18	27.89
			<i>For Horizontal, Add</i>	13.43	
			<i>For 3 Hour Rated, Add</i>	17.90	
			<i>For Dynamic Damper, Add</i>	20.14	
23 33 13 16-0216	EA		24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.04	30.12
			<i>For Horizontal, Add</i>	14.16	
			<i>For 3 Hour Rated, Add</i>	18.88	
			<i>For Dynamic Damper, Add</i>	21.24	
23 33 13 16-0217	EA		24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	194.48	32.48
			<i>For Horizontal, Add</i>	14.53	
			<i>For 3 Hour Rated, Add</i>	19.38	
			<i>For Dynamic Damper, Add</i>	21.80	
23 33 13 16-0218	EA		24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.91	34.86
			<i>For Horizontal, Add</i>	14.90	
			<i>For 3 Hour Rated, Add</i>	19.87	
			<i>For Dynamic Damper, Add</i>	22.35	
23 33 13 16-0219	EA		24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.80	37.09
			<i>For Horizontal, Add</i>	15.64	
			<i>For 3 Hour Rated, Add</i>	20.85	
			<i>For Dynamic Damper, Add</i>	23.46	
23 33 13 16-0220	EA		24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	234.66	41.83
			<i>For Horizontal, Add</i>	16.38	
			<i>For 3 Hour Rated, Add</i>	21.84	
			<i>For Dynamic Damper, Add</i>	24.57	
23 33 13 16-0221	EA		24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.16	46.43
			<i>For Horizontal, Add</i>	17.36	
			<i>For 3 Hour Rated, Add</i>	23.15	
			<i>For Dynamic Damper, Add</i>	26.04	
23 33 13 16-0222	EA		28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.92	25.51
			<i>For Horizontal, Add</i>	12.93	
			<i>For 3 Hour Rated, Add</i>	17.25	
			<i>For Dynamic Damper, Add</i>	19.40	
23 33 13 16-0223	EA		28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.18	27.89
			<i>For Horizontal, Add</i>	13.43	
			<i>For 3 Hour Rated, Add</i>	17.90	
			<i>For Dynamic Damper, Add</i>	20.14	
23 33 13 16-0224	EA		28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.04	30.12
			<i>For Horizontal, Add</i>	14.16	
			<i>For 3 Hour Rated, Add</i>	18.88	
			<i>For Dynamic Damper, Add</i>	21.24	
23 33 13 16-0225	EA		28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	195.29	32.48
			<i>For Horizontal, Add</i>	14.66	
			<i>For 3 Hour Rated, Add</i>	19.54	
			<i>For Dynamic Damper, Add</i>	21.98	
23 33 13 16-0226	EA		28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	206.38	34.86
			<i>For Horizontal, Add</i>	15.27	
			<i>For 3 Hour Rated, Add</i>	20.36	
			<i>For Dynamic Damper, Add</i>	22.91	
23 33 13 16-0227	EA		28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.43	37.09
			<i>For Horizontal, Add</i>	15.88	
			<i>For 3 Hour Rated, Add</i>	21.18	
			<i>For Dynamic Damper, Add</i>	23.83	
23 33 13 16-0228	EA		28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	236.30	41.83
			<i>For Horizontal, Add</i>	16.62	
			<i>For 3 Hour Rated, Add</i>	22.16	
			<i>For Dynamic Damper, Add</i>	24.93	
23 33 13 16-0229	EA		28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.16	46.43
			<i>For Horizontal, Add</i>	17.36	
			<i>For 3 Hour Rated, Add</i>	23.15	
			<i>For Dynamic Damper, Add</i>	26.04	
23 33 13 16-0230	EA		28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.98	48.80
			<i>For Horizontal, Add</i>	18.84	
			<i>For 3 Hour Rated, Add</i>	25.12	
			<i>For Dynamic Damper, Add</i>	28.26	
23 33 13 16-0231	EA		28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.12	53.40
			<i>For Horizontal, Add</i>	20.07	
			<i>For 3 Hour Rated, Add</i>	26.76	
			<i>For Dynamic Damper, Add</i>	30.10	
23 33 13 16-0232	EA		32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	178.08	27.89
			<i>For Horizontal, Add</i>	14.16	
			<i>For 3 Hour Rated, Add</i>	18.88	
			<i>For Dynamic Damper, Add</i>	21.24	
23 33 13 16-0233	EA		32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	186.67	30.12
			<i>For Horizontal, Add</i>	14.41	
			<i>For 3 Hour Rated, Add</i>	19.21	
			<i>For Dynamic Damper, Add</i>	21.61	
23 33 13 16-0234	EA		32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	195.29	32.48
			<i>For Horizontal, Add</i>	14.66	
			<i>For 3 Hour Rated, Add</i>	19.54	
			<i>For Dynamic Damper, Add</i>	21.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0235	EA		32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	205.54	34.86
			<i>For Horizontal, Add</i>	15.15	
			<i>For 3 Hour Rated, Add</i>	20.19	
			<i>For Dynamic Damper, Add</i>	22.72	
23 33 13 16-0236	EA		32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.74	37.09
			<i>For Horizontal, Add</i>	15.93	
			<i>For 3 Hour Rated, Add</i>	21.24	
			<i>For Dynamic Damper, Add</i>	23.90	
23 33 13 16-0237	EA		32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	236.30	41.83
			<i>For Horizontal, Add</i>	16.62	
			<i>For 3 Hour Rated, Add</i>	22.16	
			<i>For Dynamic Damper, Add</i>	24.93	
23 33 13 16-0238	EA		32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	256.81	46.43
			<i>For Horizontal, Add</i>	17.61	
			<i>For 3 Hour Rated, Add</i>	23.48	
			<i>For Dynamic Damper, Add</i>	26.41	
23 33 13 16-0239	EA		32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.32	51.03
			<i>For Horizontal, Add</i>	18.59	
			<i>For 3 Hour Rated, Add</i>	24.79	
			<i>For Dynamic Damper, Add</i>	27.89	
23 33 13 16-0240	EA		32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.12	53.40
			<i>For Horizontal, Add</i>	20.07	
			<i>For 3 Hour Rated, Add</i>	26.76	
			<i>For Dynamic Damper, Add</i>	30.10	
23 33 13 16-0241	EA		32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	316.75	57.16
			<i>For Horizontal, Add</i>	21.79	
			<i>For 3 Hour Rated, Add</i>	29.05	
			<i>For Dynamic Damper, Add</i>	32.68	
23 33 13 16-0242	EA		32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	339.63	60.37
			<i>For Horizontal, Add</i>	23.76	
			<i>For 3 Hour Rated, Add</i>	31.68	
			<i>For Dynamic Damper, Add</i>	35.64	
23 33 13 16-0243	EA		36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	198.40	30.12
			<i>For Horizontal, Add</i>	16.17	
			<i>For 3 Hour Rated, Add</i>	21.56	
			<i>For Dynamic Damper, Add</i>	24.25	
23 33 13 16-0244	EA		36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	209.10	32.48
			<i>For Horizontal, Add</i>	16.73	
			<i>For 3 Hour Rated, Add</i>	22.30	
			<i>For Dynamic Damper, Add</i>	25.09	
23 33 13 16-0245	EA		36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	219.83	34.86
			<i>For Horizontal, Add</i>	17.29	
			<i>For 3 Hour Rated, Add</i>	23.05	
			<i>For Dynamic Damper, Add</i>	25.93	
23 33 13 16-0246	EA		36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.43	37.09
			<i>For Horizontal, Add</i>	18.13	
			<i>For 3 Hour Rated, Add</i>	24.18	
			<i>For Dynamic Damper, Add</i>	27.20	
23 33 13 16-0247	EA		36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	249.19	41.83
			<i>For Horizontal, Add</i>	18.56	
			<i>For 3 Hour Rated, Add</i>	24.74	
			<i>For Dynamic Damper, Add</i>	27.83	
23 33 13 16-0248	EA		36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.98	44.06
			<i>For Horizontal, Add</i>	18.98	
			<i>For 3 Hour Rated, Add</i>	25.31	
			<i>For Dynamic Damper, Add</i>	28.47	
23 33 13 16-0249	EA		36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.27	51.03
			<i>For Horizontal, Add</i>	20.39	
			<i>For 3 Hour Rated, Add</i>	27.18	
			<i>For Dynamic Damper, Add</i>	30.58	
23 33 13 16-0250	EA		36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.57	55.77
			<i>For Horizontal, Add</i>	21.79	
			<i>For 3 Hour Rated, Add</i>	29.05	
			<i>For Dynamic Damper, Add</i>	32.68	
23 33 13 16-0251	EA		36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	329.40	57.59
			<i>For Horizontal, Add</i>	23.48	
			<i>For 3 Hour Rated, Add</i>	31.30	
			<i>For Dynamic Damper, Add</i>	35.21	
23 33 13 16-0252	EA		36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	356.92	61.77
			<i>For Horizontal, Add</i>	25.72	
			<i>For 3 Hour Rated, Add</i>	34.30	
			<i>For Dynamic Damper, Add</i>	38.59	
23 33 13 16-0253	EA		36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	379.80	64.97
			<i>For Horizontal, Add</i>	27.69	
			<i>For 3 Hour Rated, Add</i>	36.92	
			<i>For Dynamic Damper, Add</i>	41.54	
23 33 13 16-0254	EA		36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	401.77	67.34
			<i>For Horizontal, Add</i>	29.94	
			<i>For 3 Hour Rated, Add</i>	39.92	
			<i>For Dynamic Damper, Add</i>	44.91	
23 33 13 16-0255	EA		40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	220.67	34.86
			<i>For Horizontal, Add</i>	18.46	
			<i>For 3 Hour Rated, Add</i>	24.62	
			<i>For Dynamic Damper, Add</i>	27.69	
23 33 13 16-0256	EA		40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.15	37.09
			<i>For Horizontal, Add</i>	19.59	
			<i>For 3 Hour Rated, Add</i>	26.12	
			<i>For Dynamic Damper, Add</i>	29.38	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0257	EA		40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	243.99	39.45
			<i>For Horizontal, Add</i>	19.87	
			<i>For 3 Hour Rated, Add</i>	26.49	
			<i>For Dynamic Damper, Add</i>	29.80	
23 33 13 16-0258	EA		40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	252.84	41.83
			<i>For Horizontal, Add</i>	20.15	
			<i>For 3 Hour Rated, Add</i>	26.87	
			<i>For Dynamic Damper, Add</i>	30.22	
23 33 13 16-0259	EA		40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	273.34	44.06
			<i>For Horizontal, Add</i>	21.13	
			<i>For 3 Hour Rated, Add</i>	28.18	
			<i>For Dynamic Damper, Add</i>	31.70	
23 33 13 16-0260	EA		40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	286.87	46.43
			<i>For Horizontal, Add</i>	22.12	
			<i>For 3 Hour Rated, Add</i>	29.49	
			<i>For Dynamic Damper, Add</i>	33.18	
23 33 13 16-0261	EA		40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	315.29	53.40
			<i>For Horizontal, Add</i>	23.24	
			<i>For 3 Hour Rated, Add</i>	30.99	
			<i>For Dynamic Damper, Add</i>	34.86	
23 33 13 16-0262	EA		40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	336.72	58.00
			<i>For Horizontal, Add</i>	24.37	
			<i>For 3 Hour Rated, Add</i>	32.49	
			<i>For Dynamic Damper, Add</i>	36.55	
23 33 13 16-0263	EA		40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	359.12	61.77
			<i>For Horizontal, Add</i>	26.05	
			<i>For 3 Hour Rated, Add</i>	34.74	
			<i>For Dynamic Damper, Add</i>	39.08	
23 33 13 16-0264	EA		40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	389.50	64.97
			<i>For Horizontal, Add</i>	29.15	
			<i>For 3 Hour Rated, Add</i>	38.86	
			<i>For Dynamic Damper, Add</i>	43.72	
23 33 13 16-0265	EA		40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	411.89	68.74
			<i>For Horizontal, Add</i>	30.83	
			<i>For 3 Hour Rated, Add</i>	41.11	
			<i>For Dynamic Damper, Add</i>	46.25	
23 33 13 16-0266	EA		40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	438.08	70.55
			<i>For Horizontal, Add</i>	33.92	
			<i>For 3 Hour Rated, Add</i>	45.23	
			<i>For Dynamic Damper, Add</i>	50.89	
23 33 13 16-0267	EA		40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	467.99	74.31
			<i>For Horizontal, Add</i>	36.74	
			<i>For 3 Hour Rated, Add</i>	48.98	
			<i>For Dynamic Damper, Add</i>	55.10	
23 33 13 16-0268	EA		44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	231.40	34.86
			<i>For Horizontal, Add</i>	19.02	
			<i>For 3 Hour Rated, Add</i>	25.37	
			<i>For Dynamic Damper, Add</i>	28.54	
23 33 13 16-0269	EA		44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	245.87	37.09
			<i>For Horizontal, Add</i>	20.15	
			<i>For 3 Hour Rated, Add</i>	26.87	
			<i>For Dynamic Damper, Add</i>	30.22	
23 33 13 16-0270	EA		44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	258.47	39.45
			<i>For Horizontal, Add</i>	20.99	
			<i>For 3 Hour Rated, Add</i>	27.99	
			<i>For Dynamic Damper, Add</i>	31.49	
23 33 13 16-0271	EA		44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	267.31	41.83
			<i>For Horizontal, Add</i>	21.27	
			<i>For 3 Hour Rated, Add</i>	28.37	
			<i>For Dynamic Damper, Add</i>	31.91	
23 33 13 16-0272	EA		44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	281.78	44.06
			<i>For Horizontal, Add</i>	22.40	
			<i>For 3 Hour Rated, Add</i>	29.87	
			<i>For Dynamic Damper, Add</i>	33.60	
23 33 13 16-0273	EA		44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	296.25	46.43
			<i>For Horizontal, Add</i>	23.52	
			<i>For 3 Hour Rated, Add</i>	31.37	
			<i>For Dynamic Damper, Add</i>	35.29	
23 33 13 16-0274	EA		44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	333.51	55.77
			<i>For Horizontal, Add</i>	24.93	
			<i>For 3 Hour Rated, Add</i>	33.24	
			<i>For Dynamic Damper, Add</i>	37.40	
23 33 13 16-0275	EA		44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	356.81	60.37
			<i>For Horizontal, Add</i>	26.33	
			<i>For 3 Hour Rated, Add</i>	35.11	
			<i>For Dynamic Damper, Add</i>	39.50	
23 33 13 16-0276	EA		44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	389.50	64.97
			<i>For Horizontal, Add</i>	29.15	
			<i>For 3 Hour Rated, Add</i>	38.86	
			<i>For Dynamic Damper, Add</i>	43.72	
23 33 13 16-0277	EA		44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	420.31	69.72
			<i>For Horizontal, Add</i>	31.68	
			<i>For 3 Hour Rated, Add</i>	42.23	
			<i>For Dynamic Damper, Add</i>	47.51	
23 33 13 16-0278	EA		44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	452.99	74.31
			<i>For Horizontal, Add</i>	34.49	
			<i>For 3 Hour Rated, Add</i>	45.98	
			<i>For Dynamic Damper, Add</i>	51.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0279	EA		44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	476.83	76.54
			For Horizontal, Add	37.02	
			For 3 Hour Rated, Add	49.35	
			For Dynamic Damper, Add	55.52	
23 33 13 16-0280	EA		44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	500.67	78.92
			For Horizontal, Add	39.55	
			For 3 Hour Rated, Add	52.73	
			For Dynamic Damper, Add	59.32	
23 33 13 16-0281	EA		44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	524.52	81.28
			For Horizontal, Add	42.08	
			For 3 Hour Rated, Add	56.10	
			For Dynamic Damper, Add	63.12	
23 33 13 16-0282	EA		48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	243.99	37.09
			For Horizontal, Add	19.87	
			For 3 Hour Rated, Add	26.49	
			For Dynamic Damper, Add	29.80	
23 33 13 16-0283	EA		48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.47	39.45
			For Horizontal, Add	20.99	
			For 3 Hour Rated, Add	27.99	
			For Dynamic Damper, Add	31.49	
23 33 13 16-0284	EA		48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.31	41.83
			For Horizontal, Add	21.27	
			For 3 Hour Rated, Add	28.37	
			For Dynamic Damper, Add	31.91	
23 33 13 16-0285	EA		48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	286.87	46.43
			For Horizontal, Add	22.12	
			For 3 Hour Rated, Add	29.49	
			For Dynamic Damper, Add	33.18	
23 33 13 16-0286	EA		48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	308.32	51.03
			For Horizontal, Add	23.24	
			For 3 Hour Rated, Add	30.99	
			For Dynamic Damper, Add	34.86	
23 33 13 16-0287	EA		48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	329.75	55.77
			For Horizontal, Add	24.37	
			For 3 Hour Rated, Add	32.49	
			For Dynamic Damper, Add	36.55	
23 33 13 16-0288	EA		48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	354.94	60.37
			For Horizontal, Add	26.05	
			For 3 Hour Rated, Add	34.74	
			For Dynamic Damper, Add	39.08	
23 33 13 16-0289	EA		48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	380.13	64.97
			For Horizontal, Add	27.74	
			For 3 Hour Rated, Add	36.99	
			For Dynamic Damper, Add	41.61	
23 33 13 16-0290	EA		48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.94	69.72
			For Horizontal, Add	30.27	
			For 3 Hour Rated, Add	40.36	
			For Dynamic Damper, Add	45.41	
23 33 13 16-0291	EA		48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	445.49	74.31
			For Horizontal, Add	33.36	
			For 3 Hour Rated, Add	44.48	
			For Dynamic Damper, Add	50.04	
23 33 13 16-0292	EA		48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	469.35	76.54
			For Horizontal, Add	35.89	
			For 3 Hour Rated, Add	47.86	
			For Dynamic Damper, Add	53.84	
23 33 13 16-0293	EA		48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	498.79	78.92
			For Horizontal, Add	39.26	
			For 3 Hour Rated, Add	52.35	
			For Dynamic Damper, Add	58.90	
23 33 13 16-0294	EA		48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	529.61	83.51
			For Horizontal, Add	41.80	
			For 3 Hour Rated, Add	55.73	
			For Dynamic Damper, Add	62.69	
23 33 13 16-0295	EA		48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	559.07	85.89
			For Horizontal, Add	45.17	
			For 3 Hour Rated, Add	60.23	
			For Dynamic Damper, Add	67.75	
23 33 13 16-0296	EA		48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	594.97	92.86
			For Horizontal, Add	47.42	
			For 3 Hour Rated, Add	63.22	
			For Dynamic Damper, Add	71.13	
23 33 13 16-0297	EA		52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	256.59	39.45
			For Horizontal, Add	20.71	
			For 3 Hour Rated, Add	27.62	
			For Dynamic Damper, Add	31.07	
23 33 13 16-0298	EA		52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.06	41.83
			For Horizontal, Add	21.84	
			For 3 Hour Rated, Add	29.12	
			For Dynamic Damper, Add	32.76	
23 33 13 16-0299	EA		52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.50	46.43
			For Horizontal, Add	22.96	
			For 3 Hour Rated, Add	30.62	
			For Dynamic Damper, Add	34.44	
23 33 13 16-0300	EA		52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	308.32	51.03
			For Horizontal, Add	23.24	
			For 3 Hour Rated, Add	30.99	
			For Dynamic Damper, Add	34.86	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0301	EA		52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.70	55.77
			<i>For Horizontal, Add</i>	24.51	
			<i>For 3 Hour Rated, Add</i>	32.68	
			<i>For Dynamic Damper, Add</i>	36.76	
23 33 13 16-0302	EA		52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	353.06	60.37
			<i>For Horizontal, Add</i>	25.77	
			<i>For 3 Hour Rated, Add</i>	34.36	
			<i>For Dynamic Damper, Add</i>	38.66	
23 33 13 16-0303	EA		52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.26	64.97
			<i>For Horizontal, Add</i>	27.46	
			<i>For 3 Hour Rated, Add</i>	36.61	
			<i>For Dynamic Damper, Add</i>	41.19	
23 33 13 16-0304	EA		52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	403.44	69.72
			<i>For Horizontal, Add</i>	29.15	
			<i>For 3 Hour Rated, Add</i>	38.86	
			<i>For Dynamic Damper, Add</i>	43.72	
23 33 13 16-0305	EA		52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	434.26	74.31
			<i>For Horizontal, Add</i>	31.68	
			<i>For 3 Hour Rated, Add</i>	42.23	
			<i>For Dynamic Damper, Add</i>	47.51	
23 33 13 16-0306	EA		52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.68	78.92
			<i>For Horizontal, Add</i>	35.05	
			<i>For 3 Hour Rated, Add</i>	46.73	
			<i>For Dynamic Damper, Add</i>	52.57	
23 33 13 16-0307	EA		52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	496.39	81.28
			<i>For Horizontal, Add</i>	37.86	
			<i>For 3 Hour Rated, Add</i>	50.48	
			<i>For Dynamic Damper, Add</i>	56.79	
23 33 13 16-0308	EA		52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	527.73	83.51
			<i>For Horizontal, Add</i>	41.51	
			<i>For 3 Hour Rated, Add</i>	55.35	
			<i>For Dynamic Damper, Add</i>	62.27	
23 33 13 16-0309	EA		52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	564.16	88.26
			<i>For Horizontal, Add</i>	44.89	
			<i>For 3 Hour Rated, Add</i>	59.85	
			<i>For Dynamic Damper, Add</i>	67.33	
23 33 13 16-0310	EA		52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	594.97	92.86
			<i>For Horizontal, Add</i>	47.42	
			<i>For 3 Hour Rated, Add</i>	63.22	
			<i>For Dynamic Damper, Add</i>	71.13	
23 33 13 16-0311	EA		52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	638.36	99.83
			<i>For Horizontal, Add</i>	50.79	
			<i>For 3 Hour Rated, Add</i>	67.72	
			<i>For Dynamic Damper, Add</i>	76.19	
23 33 13 16-0312	EA		52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	671.06	104.43
			<i>For Horizontal, Add</i>	53.60	
			<i>For 3 Hour Rated, Add</i>	71.47	
			<i>For Dynamic Damper, Add</i>	80.40	
23 33 13 16-0313	EA		56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.31	41.83
			<i>For Horizontal, Add</i>	21.27	
			<i>For 3 Hour Rated, Add</i>	28.37	
			<i>For Dynamic Damper, Add</i>	31.91	
23 33 13 16-0314	EA		56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.61	46.43
			<i>For Horizontal, Add</i>	22.68	
			<i>For 3 Hour Rated, Add</i>	30.24	
			<i>For Dynamic Damper, Add</i>	34.02	
23 33 13 16-0315	EA		56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	310.20	51.03
			<i>For Horizontal, Add</i>	23.52	
			<i>For 3 Hour Rated, Add</i>	31.37	
			<i>For Dynamic Damper, Add</i>	35.29	
23 33 13 16-0316	EA		56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	326.00	55.77
			<i>For Horizontal, Add</i>	23.80	
			<i>For 3 Hour Rated, Add</i>	31.74	
			<i>For Dynamic Damper, Add</i>	35.71	
23 33 13 16-0317	EA		56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	350.26	60.37
			<i>For Horizontal, Add</i>	25.35	
			<i>For 3 Hour Rated, Add</i>	33.80	
			<i>For Dynamic Damper, Add</i>	38.03	
23 33 13 16-0318	EA		56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.51	64.97
			<i>For Horizontal, Add</i>	26.90	
			<i>For 3 Hour Rated, Add</i>	35.86	
			<i>For Dynamic Damper, Add</i>	40.34	
23 33 13 16-0319	EA		56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	398.76	69.72
			<i>For Horizontal, Add</i>	28.44	
			<i>For 3 Hour Rated, Add</i>	37.92	
			<i>For Dynamic Damper, Add</i>	42.66	
23 33 13 16-0320	EA		56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	423.01	74.31
			<i>For Horizontal, Add</i>	29.99	
			<i>For 3 Hour Rated, Add</i>	39.98	
			<i>For Dynamic Damper, Add</i>	44.98	
23 33 13 16-0321	EA		56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	459.43	78.92
			<i>For Horizontal, Add</i>	33.36	
			<i>For 3 Hour Rated, Add</i>	44.48	
			<i>For Dynamic Damper, Add</i>	50.04	
23 33 13 16-0322	EA		56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	488.90	81.28
			<i>For Horizontal, Add</i>	36.74	
			<i>For 3 Hour Rated, Add</i>	48.98	
			<i>For Dynamic Damper, Add</i>	55.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0323	EA		56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	516.48	83.51
			For Horizontal, Add	39.83	
			For 3 Hour Rated, Add	53.10	
			For Dynamic Damper, Add	59.74	
23 33 13 16-0324	EA		56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	556.68	88.26
			For Horizontal, Add	43.76	
			For 3 Hour Rated, Add	58.35	
			For Dynamic Damper, Add	65.65	
23 33 13 16-0325	EA		56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	593.09	92.86
			For Horizontal, Add	47.14	
			For 3 Hour Rated, Add	62.85	
			For Dynamic Damper, Add	70.70	
23 33 13 16-0326	EA		56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	631.39	97.46
			For Horizontal, Add	50.79	
			For 3 Hour Rated, Add	67.72	
			For Dynamic Damper, Add	76.19	
23 33 13 16-0327	EA		56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	664.09	102.20
			For Horizontal, Add	53.60	
			For 3 Hour Rated, Add	71.47	
			For Dynamic Damper, Add	80.40	
23 33 13 16-0328	EA		56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	702.39	106.80
			For Horizontal, Add	57.26	
			For 3 Hour Rated, Add	76.34	
			For Dynamic Damper, Add	85.88	
23 33 13 16-0329	EA		56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	740.69	111.40
			For Horizontal, Add	60.91	
			For 3 Hour Rated, Add	81.21	
			For Dynamic Damper, Add	91.37	
23 33 13 16-0330	EA		60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	286.87	46.43
			For Horizontal, Add	22.12	
			For 3 Hour Rated, Add	29.49	
			For Dynamic Damper, Add	33.18	
23 33 13 16-0331	EA		60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	310.20	51.03
			For Horizontal, Add	23.52	
			For 3 Hour Rated, Add	31.37	
			For Dynamic Damper, Add	35.29	
23 33 13 16-0332	EA		60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	327.87	55.77
			For Horizontal, Add	24.08	
			For 3 Hour Rated, Add	32.11	
			For Dynamic Damper, Add	36.13	
23 33 13 16-0333	EA		60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	343.69	60.37
			For Horizontal, Add	24.37	
			For 3 Hour Rated, Add	32.49	
			For Dynamic Damper, Add	36.55	
23 33 13 16-0334	EA		60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	368.89	64.97
			For Horizontal, Add	26.05	
			For 3 Hour Rated, Add	34.74	
			For Dynamic Damper, Add	39.08	
23 33 13 16-0335	EA		60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	394.07	69.72
			For Horizontal, Add	27.74	
			For 3 Hour Rated, Add	36.99	
			For Dynamic Damper, Add	41.61	
23 33 13 16-0336	EA		60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	420.20	74.31
			For Horizontal, Add	29.57	
			For 3 Hour Rated, Add	39.42	
			For Dynamic Damper, Add	44.35	
23 33 13 16-0337	EA		60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	446.32	78.92
			For Horizontal, Add	31.39	
			For 3 Hour Rated, Add	41.86	
			For Dynamic Damper, Add	47.09	
23 33 13 16-0338	EA		60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	477.65	81.28
			For Horizontal, Add	35.05	
			For 3 Hour Rated, Add	46.73	
			For Dynamic Damper, Add	52.57	
23 33 13 16-0339	EA		60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	507.11	83.51
			For Horizontal, Add	38.42	
			For 3 Hour Rated, Add	51.23	
			For Dynamic Damper, Add	57.63	
23 33 13 16-0340	EA		60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	545.44	88.26
			For Horizontal, Add	42.08	
			For 3 Hour Rated, Add	56.10	
			For Dynamic Damper, Add	63.12	
23 33 13 16-0341	EA		60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	583.73	92.86
			For Horizontal, Add	45.73	
			For 3 Hour Rated, Add	60.98	
			For Dynamic Damper, Add	68.60	
23 33 13 16-0342	EA		60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	616.41	97.46
			For Horizontal, Add	48.54	
			For 3 Hour Rated, Add	64.72	
			For Dynamic Damper, Add	72.81	
23 33 13 16-0343	EA		60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	660.34	102.20
			For Horizontal, Add	53.04	
			For 3 Hour Rated, Add	70.72	
			For Dynamic Damper, Add	79.56	
23 33 13 16-0344	EA		60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	700.51	106.80
			For Horizontal, Add	56.97	
			For 3 Hour Rated, Add	75.97	
			For Dynamic Damper, Add	85.46	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0345	EA		60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	740.69	111.40
			<i>For Horizontal, Add</i>	60.91	
			<i>For 3 Hour Rated, Add</i>	81.21	
			<i>For Dynamic Damper, Add</i>	91.37	
23 33 13 16-0346	EA		60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	777.12	116.14
			<i>For Horizontal, Add</i>	64.28	
			<i>For 3 Hour Rated, Add</i>	85.71	
			<i>For Dynamic Damper, Add</i>	96.42	
23 33 13 16-0347	EA		60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	813.57	120.75
			<i>For Horizontal, Add</i>	67.66	
			<i>For 3 Hour Rated, Add</i>	90.21	
			<i>For Dynamic Damper, Add</i>	101.49	
<b>23 33 13 16-0348</b>			<b>Round 2 Hour Fire Damper</b> (23 33 13 16)		
23 33 13 16-0349	EA		4" Round 2 Hour Fire Damper.....	84.43	27.89
23 33 13 16-0350	EA		5" Round 2 Hour Fire Damper.....	86.48	27.89
23 33 13 16-0351	EA		6" Round 2 Hour Fire Damper.....	100.25	31.65
23 33 13 16-0352	EA		7" Round 2 Hour Fire Damper.....	102.48	31.65
23 33 13 16-0353	EA		8" Round 2 Hour Fire Damper.....	118.86	34.86
23 33 13 16-0354	EA		9" Round 2 Hour Fire Damper.....	125.00	34.86
23 33 13 16-0355	EA		10" Round 2 Hour Fire Damper.....	138.90	38.76
23 33 13 16-0356	EA		12" Round 2 Hour Fire Damper.....	156.12	43.64
23 33 13 16-0357	EA		14" Round 2 Hour Fire Damper.....	177.78	49.77
<b>23 33 13 16-0358</b>			<b>Round 4 Hour Fire Damper</b> (23 33 13 16)		
23 33 13 16-0359	EA		4" Round 4 Hour Fire Damper.....	95.48	31.65
23 33 13 16-0360	EA		5" Round 4 Hour Fire Damper.....	101.07	31.65
23 33 13 16-0361	EA		6" Round 4 Hour Fire Damper.....	113.08	34.86
23 33 13 16-0362	EA		7" Round 4 Hour Fire Damper.....	120.29	34.86
23 33 13 16-0363	EA		8" Round 4 Hour Fire Damper.....	135.26	38.76
23 33 13 16-0364	EA		9" Round 4 Hour Fire Damper.....	139.66	38.76
23 33 13 16-0365	EA		10" Round 4 Hour Fire Damper.....	156.25	43.64
23 33 13 16-0366	EA		12" Round 4 Hour Fire Damper.....	174.99	49.77
23 33 13 16-0367	EA		14" Round 4 Hour Fire Damper.....	204.16	58.14
<b>23 33 13 19</b>			<b>Smoke-Control Dampers</b> (23 33 13)		
<b>23 33 13 19-0001</b>			<b>Combination Smoke/Fire Damper</b> (23 33 13 19)		
			Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0002	EA		6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	124.34	23.21
			<i>For 3 Hour Rated, Add</i>	10.94	
23 33 13 19-0003	EA		8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	128.81	24.26
			<i>For 3 Hour Rated, Add</i>	11.21	
23 33 13 19-0004	EA		8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	130.58	24.47
			<i>For 3 Hour Rated, Add</i>	11.48	
23 33 13 19-0005	EA		10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	130.58	24.47
			<i>For 3 Hour Rated, Add</i>	11.48	
23 33 13 19-0006	EA		10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	134.01	25.09
			<i>For 3 Hour Rated, Add</i>	11.74	
23 33 13 19-0007	EA		10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	145.08	27.82
			<i>For 3 Hour Rated, Add</i>	12.28	
23 33 13 19-0008	EA		12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	134.01	25.09
			<i>For 3 Hour Rated, Add</i>	11.74	
23 33 13 19-0009	EA		12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	140.89	26.56
			<i>For 3 Hour Rated, Add</i>	12.28	
23 33 13 19-0010	EA		12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	146.42	27.82
			<i>For 3 Hour Rated, Add</i>	12.55	
23 33 13 19-0011	EA		12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	158.22	31.37
			<i>For 3 Hour Rated, Add</i>	12.82	
23 33 13 19-0012	EA		14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	140.22	26.56
			<i>For 3 Hour Rated, Add</i>	12.15	
23 33 13 19-0013	EA		14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	146.42	27.82
			<i>For 3 Hour Rated, Add</i>	12.55	
23 33 13 19-0014	EA		14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	151.95	29.28
			<i>For 3 Hour Rated, Add</i>	12.82	
23 33 13 19-0015	EA		14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	159.58	31.37
			<i>For 3 Hour Rated, Add</i>	13.09	
23 33 13 19-0016	EA		14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	173.40	34.93
			<i>For 3 Hour Rated, Add</i>	13.77	
23 33 13 19-0017	EA		16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	195.69	27.82
			<i>For 3 Hour Rated, Add</i>	22.41	
23 33 13 19-0018	EA		16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	203.31	29.91
			<i>For 3 Hour Rated, Add</i>	22.68	
23 33 13 19-0019	EA		16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	213.03	32.84
			<i>For 3 Hour Rated, Add</i>	22.95	
23 33 13 19-0020	EA		16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	220.63	34.93
			<i>For 3 Hour Rated, Add</i>	23.21	
23 33 13 19-0021	EA		16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	234.46	38.28
			<i>For 3 Hour Rated, Add</i>	23.89	
23 33 13 19-0022	EA		16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	248.29	41.83
			<i>For 3 Hour Rated, Add</i>	24.56	
23 33 13 19-0023	EA		18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	201.22	29.28
			<i>For 3 Hour Rated, Add</i>	22.68	
23 33 13 19-0024	EA		18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	209.50	31.37
			<i>For 3 Hour Rated, Add</i>	23.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0025	EA		18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	222.00 23.49	34.93
23 33 13 19-0026	EA		18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	235.81 24.16	38.28
23 33 13 19-0027	EA		18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	248.96 24.70	41.83
23 33 13 19-0028	EA		18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	262.79 25.37	45.18
23 33 13 19-0029	EA		18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	275.27 25.77	48.73
23 33 13 19-0030	EA		20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	208.84 22.95	31.37
23 33 13 19-0031	EA		20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	221.99 23.48	34.93
23 33 13 19-0032	EA		20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	235.13 24.02	38.28
23 33 13 19-0033	EA		20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	250.99 25.10	41.83
23 33 13 19-0034	EA		20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	263.47 25.51	45.18
23 33 13 19-0035	EA		20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	275.95 25.91	48.73
23 33 13 19-0036	EA		20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	289.09 26.45	52.29
23 33 13 19-0037	EA		20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	302.24 26.99	55.64
23 33 13 19-0038	EA		24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	277.07 34.50	34.93
23 33 13 19-0039	EA		24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	291.57 35.31	38.28
23 33 13 19-0040	EA		24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	304.74 35.85	41.83
23 33 13 19-0041	EA		24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	319.23 36.66	45.18
23 33 13 19-0042	EA		24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	331.71 37.06	48.73
23 33 13 19-0043	EA		24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	344.18 37.47	52.29
23 33 13 19-0044	EA		24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	358.68 38.27	55.64
23 33 13 19-0045	EA		24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	383.64 39.08	62.75
23 33 13 19-0046	EA		24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	409.94 40.16	69.65
23 33 13 19-0047	EA		28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	291.57 35.31	38.28
23 33 13 19-0048	EA		28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	304.74 35.85	41.83
23 33 13 19-0049	EA		28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	319.23 36.66	45.18
23 33 13 19-0050	EA		28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	332.38 37.20	48.73
23 33 13 19-0051	EA		28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	346.20 37.87	52.29
23 33 13 19-0052	EA		28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	360.02 38.54	55.64
23 33 13 19-0053	EA		28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	384.98 39.35	62.75
23 33 13 19-0054	EA		28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	409.94 40.16	69.65
23 33 13 19-0055	EA		28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	428.48 41.78	73.20
23 33 13 19-0056	EA		28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	456.12 43.12	80.11
23 33 13 19-0057	EA		32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	308.77 36.66	41.83
23 33 13 19-0058	EA		32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	320.57 36.93	45.18
23 33 13 19-0059	EA		32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	332.38 37.20	48.73
23 33 13 19-0060	EA		32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	345.52 37.73	52.29
23 33 13 19-0061	EA		32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	360.27 38.59	55.64
23 33 13 19-0062	EA		32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	384.98 39.35	62.75
23 33 13 19-0063	EA		32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	411.29 40.43	69.65
23 33 13 19-0064	EA		32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	437.60 41.51	76.54
23 33 13 19-0065	EA		32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	456.12 43.12	80.11
23 33 13 19-0066	EA		32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	482.29 45.01	85.75
23 33 13 19-0067	EA		32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	507.70 47.16	90.55
23 33 13 19-0068	EA		36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	327.49 38.31	45.18

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0069	EA		36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	340.87 38.89	48.73
23 33 13 19-0070	EA		36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	354.24 39.48	52.29
23 33 13 19-0071	EA		36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	369.10 40.36	55.64
23 33 13 19-0072	EA		36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	392.23 40.80	62.75
23 33 13 19-0073	EA		36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	404.87 41.24	66.09
23 33 13 19-0074	EA		36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	443.58 42.70	76.54
23 33 13 19-0075	EA		36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	471.80 44.17	83.66
23 33 13 19-0076	EA		36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	488.94 45.92	86.37
23 33 13 19-0077	EA		36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	519.49 48.27	92.65
23 33 13 19-0078	EA		36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	544.36 50.31	97.46
23 33 13 19-0079	EA		36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	566.53 52.66	101.01
23 33 13 19-0080	EA		40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	388.67 48.45	52.29
23 33 13 19-0081	EA		40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	404.97 49.62	55.64
23 33 13 19-0082	EA		40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	416.90 49.92	59.19
23 33 13 19-0083	EA		40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	428.83 50.21	62.75
23 33 13 19-0084	EA		40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	454.86 51.24	66.09
23 33 13 19-0085	EA		40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	470.45 52.26	69.65
23 33 13 19-0086	EA		40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	507.68 53.43	80.11
23 33 13 19-0087	EA		40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	534.45 54.60	87.00
23 33 13 19-0088	EA		40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	559.97 56.36	92.65
23 33 13 19-0089	EA		40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	590.70 59.58	97.46
23 33 13 19-0090	EA		40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	616.22 61.34	103.11
23 33 13 19-0091	EA		40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	640.70 64.56	105.82
23 33 13 19-0092	EA		40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	672.07 67.49	111.47
23 33 13 19-0093	EA		44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	402.05 49.04	52.29
23 33 13 19-0094	EA		44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	418.37 50.21	55.64
23 33 13 19-0095	EA		44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	433.22 51.09	59.19
23 33 13 19-0096	EA		44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	445.15 51.38	62.75
23 33 13 19-0097	EA		44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	461.46 52.56	66.09
23 33 13 19-0098	EA		44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	477.77 53.73	69.65
23 33 13 19-0099	EA		44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	526.93 55.19	83.66
23 33 13 19-0100	EA		44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	555.15 56.65	90.55
23 33 13 19-0101	EA		44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	590.70 59.58	97.46
23 33 13 19-0102	EA		44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	624.80 62.22	104.57
23 33 13 19-0103	EA		44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	660.34 65.14	111.47
23 33 13 19-0104	EA		44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	683.98 67.78	114.82
23 33 13 19-0105	EA		44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	707.62 70.42	118.37
23 33 13 19-0106	EA		44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	731.27 73.05	121.93
23 33 13 19-0107	EA		48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	416.90 49.92	55.64
23 33 13 19-0108	EA		48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	433.22 51.09	59.19
23 33 13 19-0109	EA		48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	445.15 51.38	62.75
23 33 13 19-0110	EA		48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	470.45 52.26	69.65
23 33 13 19-0111	EA		48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	497.23 53.43	76.54
23 33 13 19-0112	EA		48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	523.99 54.60	83.66

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0113	EA		48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	553.69 56.36	90.55
23 33 13 19-0114	EA		48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	583.38 58.12	97.46
23 33 13 19-0115	EA		48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	617.48 60.75	104.57
23 33 13 19-0116	EA		48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	654.48 63.97	111.47
23 33 13 19-0117	EA		48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	678.14 66.61	114.82
23 33 13 19-0118	EA		48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	706.15 70.12	118.37
23 33 13 19-0119	EA		48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	740.25 72.76	125.27
23 33 13 19-0120	EA		48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	768.28 76.27	128.83
23 33 13 19-0121	EA		48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	811.36 78.62	139.29
23 33 13 19-0122	EA		52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	431.75 50.80	59.19
23 33 13 19-0123	EA		52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	448.07 51.97	62.75
23 33 13 19-0124	EA		52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	474.84 53.14	69.65
23 33 13 19-0125	EA		52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	497.23 53.43	76.54
23 33 13 19-0126	EA		52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	524.73 54.75	83.66
23 33 13 19-0127	EA		52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	552.23 56.07	90.55
23 33 13 19-0128	EA		52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	581.92 57.83	97.46
23 33 13 19-0129	EA		52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	611.62 59.58	104.57
23 33 13 19-0130	EA		52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	645.71 62.22	111.47
23 33 13 19-0131	EA		52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	684.20 65.73	118.37
23 33 13 19-0132	EA		52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	709.29 68.66	121.93
23 33 13 19-0133	EA		52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	738.79 72.47	125.27
23 33 13 19-0134	EA		52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	777.26 75.98	132.38
23 33 13 19-0135	EA		52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	811.36 78.62	139.29
23 33 13 19-0136	EA		52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	860.29 82.13	149.74
23 33 13 19-0137	EA		52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	895.85 85.06	156.65
23 33 13 19-0138	EA		56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	445.15 51.38	62.75
23 33 13 19-0139	EA		56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	473.37 52.85	69.65
23 33 13 19-0140	EA		56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	498.69 53.73	76.54
23 33 13 19-0141	EA		56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	521.06 54.02	83.66
23 33 13 19-0142	EA		56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	550.03 55.63	90.55
23 33 13 19-0143	EA		56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	578.99 57.24	97.46
23 33 13 19-0144	EA		56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	607.96 58.85	104.57
23 33 13 19-0145	EA		56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	636.92 60.46	111.47
23 33 13 19-0146	EA		56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	675.40 63.97	118.37
23 33 13 19-0147	EA		56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	703.45 67.49	121.93
23 33 13 19-0148	EA		56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	729.99 70.71	125.27
23 33 13 19-0149	EA		56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	771.41 74.81	132.38
23 33 13 19-0150	EA		56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	809.89 78.32	139.29
23 33 13 19-0151	EA		56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	849.84 82.13	146.19
23 33 13 19-0152	EA		56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	885.39 85.06	153.30
23 33 13 19-0153	EA		56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	925.34 88.86	160.20
23 33 13 19-0154	EA		56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	965.28 92.67	167.10
23 33 13 19-0155	EA		60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	470.45 52.26	69.65
23 33 13 19-0156	EA		60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	498.69 53.73	76.54

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0157	EA		60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	522.53 54.31	83.66
23 33 13 19-0158	EA		60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	544.90 54.60	90.55
23 33 13 19-0159	EA		60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	574.60 56.36	97.46
23 33 13 19-0160	EA		60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	604.30 58.12	104.57
23 33 13 19-0161	EA		60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	634.72 60.02	111.47
23 33 13 19-0162	EA		60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	665.17 61.93	118.37
23 33 13 19-0163	EA		60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	694.66 65.73	121.93
23 33 13 19-0164	EA		60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	722.67 69.24	125.27
23 33 13 19-0165	EA		60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	762.64 73.05	132.38
23 33 13 19-0166	EA		60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	802.58 76.86	139.29
23 33 13 19-0167	EA		60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	838.14 79.79	146.19
23 33 13 19-0168	EA		60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	882.46 84.47	153.30
23 33 13 19-0169	EA		60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	923.88 88.57	160.20
23 33 13 19-0170	EA		60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	965.28 92.67	167.10
23 33 13 19-0171	EA		60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	1,003.76 96.18	174.21
23 33 13 19-0172	EA		60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i>	1,042.27 99.70	181.12
23 33 13 19-0173			<b>Smoke Damper</b> <small>(23 33 13 19)</small> Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0174	EA		6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	95.00 9.71 10.93	15.48
23 33 13 19-0175	EA		8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	98.31 9.96 11.20	16.17
23 33 13 19-0176	EA		8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	99.83 10.21 11.48	16.31
23 33 13 19-0177	EA		10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	99.83 10.21 11.48	16.31
23 33 13 19-0178	EA		10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	102.46 10.45 11.76	16.74
23 33 13 19-0179	EA		10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	110.48 10.94 12.31	18.55
23 33 13 19-0180	EA		12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	102.46 10.45 11.76	16.74
23 33 13 19-0181	EA		12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	107.69 10.94 12.31	17.71
23 33 13 19-0182	EA		12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	111.72 11.19 12.59	18.55
23 33 13 19-0183	EA		12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	119.92 11.43 12.86	20.92
23 33 13 19-0184	EA		14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	107.08 10.82 12.17	17.71
23 33 13 19-0185	EA		14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	111.72 11.19 12.59	18.55
23 33 13 19-0186	EA		14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	115.73 11.43 12.86	19.52
23 33 13 19-0187	EA		14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	121.16 11.68 13.14	20.92
23 33 13 19-0188	EA		14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	131.20 12.30 13.83	23.28
23 33 13 19-0189	EA		16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	156.50 20.15 22.66	18.55
23 33 13 19-0190	EA		16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	161.91 20.39 22.94	19.93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0191	EA		16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	168.72 20.64 23.22	21.89
23 33 13 19-0192	EA		16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	174.13 20.88 23.49	23.28
23 33 13 19-0193	EA		16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	184.19 21.50 24.19	25.51
23 33 13 19-0194	EA		16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	194.23 22.11 24.88	27.89
23 33 13 19-0195	EA		18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	160.52 20.39 22.94	19.52
23 33 13 19-0196	EA		18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	166.55 20.76 23.36	20.92
23 33 13 19-0197	EA		18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	175.38 21.13 23.77	23.28
23 33 13 19-0198	EA		18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	185.42 21.75 24.46	25.51
23 33 13 19-0199	EA		18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	194.84 22.24 25.02	27.89
23 33 13 19-0200	EA		18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	204.88 22.85 25.71	30.12
23 33 13 19-0201	EA		18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	213.70 23.22 26.12	32.48
23 33 13 19-0202	EA		20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	165.94 20.64 23.22	20.92
23 33 13 19-0203	EA		20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	175.37 21.13 23.77	23.28
23 33 13 19-0204	EA		20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	184.80 21.62 24.32	25.51
23 33 13 19-0205	EA		20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	196.70 22.61 25.43	27.89
23 33 13 19-0206	EA		20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	205.50 22.98 25.85	30.12
23 33 13 19-0207	EA		20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	214.32 23.35 26.26	32.48
23 33 13 19-0208	EA		20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	223.75 23.84 26.82	34.86
23 33 13 19-0209	EA		20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	233.18 24.33 27.37	37.09
23 33 13 19-0210	EA		24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	212.42 28.54 32.11	23.28
23 33 13 19-0211	EA		24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	223.09 29.28 32.94	25.51
23 33 13 19-0212	EA		24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	232.53 29.77 33.50	27.89
23 33 13 19-0213	EA		24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	243.18 30.51 34.33	30.12
23 33 13 19-0214	EA		24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	251.99 30.88 34.74	32.48
23 33 13 19-0215	EA		24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	260.81 31.25 35.15	34.86
23 33 13 19-0216	EA		24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	271.47 31.99 35.98	37.09
23 33 13 19-0217	EA		24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	289.10 32.72 36.81	41.83
23 33 13 19-0218	EA		24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	307.96 33.71 37.92	46.43
23 33 13 19-0219	EA		28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	223.09 29.28 32.94	25.51
23 33 13 19-0220	EA		28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	232.53 29.77 33.50	27.89

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	19-0221	EA	28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	243.18	30.12
			<i>For 3 Hour Rated, Add</i>	30.51	
			<i>For Dynamic Damper, Add</i>	34.33	
23 33 13	19-0222	EA	28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	252.60	32.48
			<i>For 3 Hour Rated, Add</i>	31.00	
			<i>For Dynamic Damper, Add</i>	34.88	
23 33 13	19-0223	EA	28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.65	34.86
			<i>For 3 Hour Rated, Add</i>	31.62	
			<i>For Dynamic Damper, Add</i>	35.57	
23 33 13	19-0224	EA	28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.69	37.09
			<i>For 3 Hour Rated, Add</i>	32.23	
			<i>For Dynamic Damper, Add</i>	36.26	
23 33 13	19-0225	EA	28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.32	41.83
			<i>For 3 Hour Rated, Add</i>	32.97	
			<i>For Dynamic Damper, Add</i>	37.09	
23 33 13	19-0226	EA	28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	307.96	46.43
			<i>For 3 Hour Rated, Add</i>	33.71	
			<i>For Dynamic Damper, Add</i>	37.92	
23 33 13	19-0227	EA	28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	322.32	48.80
			<i>For 3 Hour Rated, Add</i>	35.18	
			<i>For Dynamic Damper, Add</i>	39.58	
23 33 13	19-0228	EA	28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	342.41	53.40
			<i>For 3 Hour Rated, Add</i>	36.41	
			<i>For Dynamic Damper, Add</i>	40.97	
23 33 13	19-0229	EA	32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	236.22	27.89
			<i>For 3 Hour Rated, Add</i>	30.51	
			<i>For Dynamic Damper, Add</i>	34.33	
23 33 13	19-0230	EA	32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	244.39	30.12
			<i>For 3 Hour Rated, Add</i>	30.75	
			<i>For Dynamic Damper, Add</i>	34.60	
23 33 13	19-0231	EA	32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	252.60	32.48
			<i>For 3 Hour Rated, Add</i>	31.00	
			<i>For Dynamic Damper, Add</i>	34.88	
23 33 13	19-0232	EA	32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.03	34.86
			<i>For 3 Hour Rated, Add</i>	31.49	
			<i>For Dynamic Damper, Add</i>	35.43	
23 33 13	19-0233	EA	32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.93	37.09
			<i>For 3 Hour Rated, Add</i>	32.28	
			<i>For Dynamic Damper, Add</i>	36.31	
23 33 13	19-0234	EA	32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.32	41.83
			<i>For 3 Hour Rated, Add</i>	32.97	
			<i>For Dynamic Damper, Add</i>	37.09	
23 33 13	19-0235	EA	32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	309.19	46.43
			<i>For 3 Hour Rated, Add</i>	33.95	
			<i>For Dynamic Damper, Add</i>	38.20	
23 33 13	19-0236	EA	32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	328.07	51.03
			<i>For 3 Hour Rated, Add</i>	34.94	
			<i>For Dynamic Damper, Add</i>	39.31	
23 33 13	19-0237	EA	32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	342.41	53.40
			<i>For 3 Hour Rated, Add</i>	36.41	
			<i>For Dynamic Damper, Add</i>	40.97	
23 33 13	19-0238	EA	32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	362.18	57.16
			<i>For 3 Hour Rated, Add</i>	38.14	
			<i>For Dynamic Damper, Add</i>	42.91	
23 33 13	19-0239	EA	32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	381.77	60.37
			<i>For 3 Hour Rated, Add</i>	40.10	
			<i>For Dynamic Damper, Add</i>	45.12	
23 33 13	19-0240	EA	36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.97	30.12
			<i>For 3 Hour Rated, Add</i>	31.67	
			<i>For Dynamic Damper, Add</i>	35.63	
23 33 13	19-0241	EA	36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.51	32.48
			<i>For 3 Hour Rated, Add</i>	32.18	
			<i>For Dynamic Damper, Add</i>	36.21	
23 33 13	19-0242	EA	36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.06	34.86
			<i>For 3 Hour Rated, Add</i>	32.70	
			<i>For Dynamic Damper, Add</i>	36.79	
23 33 13	19-0243	EA	36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	278.90	37.09
			<i>For 3 Hour Rated, Add</i>	33.47	
			<i>For Dynamic Damper, Add</i>	37.66	
23 33 13	19-0244	EA	36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.79	41.83
			<i>For 3 Hour Rated, Add</i>	33.86	
			<i>For Dynamic Damper, Add</i>	38.09	
23 33 13	19-0245	EA	36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.69	44.06
			<i>For 3 Hour Rated, Add</i>	34.25	
			<i>For Dynamic Damper, Add</i>	38.53	
23 33 13	19-0246	EA	36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	331.05	51.03
			<i>For 3 Hour Rated, Add</i>	35.54	
			<i>For Dynamic Damper, Add</i>	39.98	
23 33 13	19-0247	EA	36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	351.42	55.77
			<i>For 3 Hour Rated, Add</i>	36.82	
			<i>For Dynamic Damper, Add</i>	41.42	
23 33 13	19-0248	EA	36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	364.74	57.59
			<i>For 3 Hour Rated, Add</i>	38.37	
			<i>For Dynamic Damper, Add</i>	43.17	
23 33 13	19-0249	EA	36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	387.58	61.77
			<i>For 3 Hour Rated, Add</i>	40.43	
			<i>For Dynamic Damper, Add</i>	45.48	
23 33 13	19-0250	EA	36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	406.37	64.97
			<i>For 3 Hour Rated, Add</i>	42.23	
			<i>For Dynamic Damper, Add</i>	47.51	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0251	EA		36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	423.65 44.30 49.83	67.34
23 33 13 19-0252	EA		40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	284.09 37.30 41.96	34.86
23 33 13 19-0253	EA		40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	296.22 38.33 43.12	37.09
23 33 13 19-0254	EA		40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	304.48 38.59 43.41	39.45
23 33 13 19-0255	EA		40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	312.74 38.85 43.70	41.83
23 33 13 19-0256	EA		40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	331.20 39.75 44.72	44.06
23 33 13 19-0257	EA		40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	342.68 40.65 45.73	46.43
23 33 13 19-0258	EA		40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	368.75 41.68 46.89	53.40
23 33 13 19-0259	EA		40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	387.85 42.71 48.05	58.00
23 33 13 19-0260	EA		40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	406.73 44.26 49.79	61.77
23 33 13 19-0261	EA		40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	430.67 47.09 52.98	64.97
23 33 13 19-0262	EA		40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	449.54 48.64 54.72	68.74
23 33 13 19-0263	EA		40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	469.29 51.47 57.91	70.55
23 33 13 19-0264	EA		40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	493.35 54.05 60.81	74.31
23 33 13 19-0265	EA		44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	293.65 37.82 42.54	34.86
23 33 13 19-0266	EA		44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	305.77 38.85 43.70	37.09
23 33 13 19-0267	EA		44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	316.62 39.62 44.57	39.45
23 33 13 19-0268	EA		44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	324.88 39.88 44.87	41.83
23 33 13 19-0269	EA		44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	337.00 40.91 46.02	44.06
23 33 13 19-0270	EA		44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	349.12 41.94 47.18	46.43
23 33 13 19-0271	EA		44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	383.46 43.23 48.63	55.77
23 33 13 19-0272	EA		44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	403.83 44.52 50.08	60.37
23 33 13 19-0273	EA		44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	430.67 47.09 52.98	64.97
23 33 13 19-0274	EA		44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	456.21 49.41 55.59	69.72
23 33 13 19-0275	EA		44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	483.03 51.99 58.49	74.31
23 33 13 19-0276	EA		44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	501.60 54.31 61.10	76.54
23 33 13 19-0277	EA		44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	520.17 56.63 63.71	78.92
23 33 13 19-0278	EA		44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	538.74 58.95 66.32	81.28
23 33 13 19-0279	EA		48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	304.48 38.59 43.41	37.09
23 33 13 19-0280	EA		48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	316.62 39.62 44.57	39.45

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0281	EA		48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	324.88	41.83
			<i>For 3 Hour Rated, Add</i> .....	39.88	
			<i>For Dynamic Damper, Add</i> .....	44.87	
23 33 13 19-0282	EA		48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	342.68	46.43
			<i>For 3 Hour Rated, Add</i> .....	40.65	
			<i>For Dynamic Damper, Add</i> .....	45.73	
23 33 13 19-0283	EA		48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	361.78	51.03
			<i>For 3 Hour Rated, Add</i> .....	41.68	
			<i>For Dynamic Damper, Add</i> .....	46.89	
23 33 13 19-0284	EA		48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	380.88	55.77
			<i>For 3 Hour Rated, Add</i> .....	42.71	
			<i>For Dynamic Damper, Add</i> .....	48.05	
23 33 13 19-0285	EA		48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	402.55	60.37
			<i>For 3 Hour Rated, Add</i> .....	44.26	
			<i>For Dynamic Damper, Add</i> .....	49.79	
23 33 13 19-0286	EA		48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	424.22	64.97
			<i>For 3 Hour Rated, Add</i> .....	45.80	
			<i>For Dynamic Damper, Add</i> .....	51.53	
23 33 13 19-0287	EA		48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	449.76	69.72
			<i>For 3 Hour Rated, Add</i> .....	48.12	
			<i>For Dynamic Damper, Add</i> .....	54.14	
23 33 13 19-0288	EA		48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	477.88	74.31
			<i>For 3 Hour Rated, Add</i> .....	50.96	
			<i>For Dynamic Damper, Add</i> .....	57.33	
23 33 13 19-0289	EA		48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	496.46	76.54
			<i>For 3 Hour Rated, Add</i> .....	53.28	
			<i>For Dynamic Damper, Add</i> .....	59.94	
23 33 13 19-0290	EA		48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	518.88	78.92
			<i>For 3 Hour Rated, Add</i> .....	56.37	
			<i>For Dynamic Damper, Add</i> .....	63.42	
23 33 13 19-0291	EA		48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	544.42	83.51
			<i>For 3 Hour Rated, Add</i> .....	58.69	
			<i>For Dynamic Damper, Add</i> .....	66.03	
23 33 13 19-0292	EA		48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	566.85	85.89
			<i>For 3 Hour Rated, Add</i> .....	61.78	
			<i>For Dynamic Damper, Add</i> .....	69.50	
23 33 13 19-0293	EA		48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	598.07	92.86
			<i>For 3 Hour Rated, Add</i> .....	63.84	
			<i>For Dynamic Damper, Add</i> .....	71.82	
23 33 13 19-0294	EA		52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	315.33	39.45
			<i>For 3 Hour Rated, Add</i> .....	39.36	
			<i>For Dynamic Damper, Add</i> .....	44.28	
23 33 13 19-0295	EA		52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	327.45	41.83
			<i>For 3 Hour Rated, Add</i> .....	40.39	
			<i>For Dynamic Damper, Add</i> .....	45.44	
23 33 13 19-0296	EA		52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	346.54	46.43
			<i>For 3 Hour Rated, Add</i> .....	41.42	
			<i>For Dynamic Damper, Add</i> .....	46.60	
23 33 13 19-0297	EA		52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	361.78	51.03
			<i>For 3 Hour Rated, Add</i> .....	41.68	
			<i>For Dynamic Damper, Add</i> .....	46.89	
23 33 13 19-0298	EA		52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	381.53	55.77
			<i>For 3 Hour Rated, Add</i> .....	42.84	
			<i>For Dynamic Damper, Add</i> .....	48.20	
23 33 13 19-0299	EA		52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	401.26	60.37
			<i>For 3 Hour Rated, Add</i> .....	44.00	
			<i>For Dynamic Damper, Add</i> .....	49.50	
23 33 13 19-0300	EA		52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	422.94	64.97
			<i>For 3 Hour Rated, Add</i> .....	45.55	
			<i>For Dynamic Damper, Add</i> .....	51.24	
23 33 13 19-0301	EA		52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	444.61	69.72
			<i>For 3 Hour Rated, Add</i> .....	47.09	
			<i>For Dynamic Damper, Add</i> .....	52.98	
23 33 13 19-0302	EA		52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	470.16	74.31
			<i>For 3 Hour Rated, Add</i> .....	49.41	
			<i>For Dynamic Damper, Add</i> .....	55.59	
23 33 13 19-0303	EA		52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	499.55	78.92
			<i>For 3 Hour Rated, Add</i> .....	52.50	
			<i>For Dynamic Damper, Add</i> .....	59.07	
23 33 13 19-0304	EA		52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	519.40	81.28
			<i>For 3 Hour Rated, Add</i> .....	55.08	
			<i>For Dynamic Damper, Add</i> .....	61.97	
23 33 13 19-0305	EA		52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	543.13	83.51
			<i>For 3 Hour Rated, Add</i> .....	58.43	
			<i>For Dynamic Damper, Add</i> .....	65.74	
23 33 13 19-0306	EA		52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	572.53	88.26
			<i>For 3 Hour Rated, Add</i> .....	61.52	
			<i>For Dynamic Damper, Add</i> .....	69.21	
23 33 13 19-0307	EA		52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	598.07	92.86
			<i>For 3 Hour Rated, Add</i> .....	63.84	
			<i>For Dynamic Damper, Add</i> .....	71.82	
23 33 13 19-0308	EA		52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	634.44	99.83
			<i>For 3 Hour Rated, Add</i> .....	66.94	
			<i>For Dynamic Damper, Add</i> .....	75.30	
23 33 13 19-0309	EA		52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	661.28	104.43
			<i>For 3 Hour Rated, Add</i> .....	69.51	
			<i>For Dynamic Damper, Add</i> .....	78.20	
23 33 13 19-0310	EA		56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	324.88	41.83
			<i>For 3 Hour Rated, Add</i> .....	39.88	
			<i>For Dynamic Damper, Add</i> .....	44.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0311	EA		56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	345.25 41.17 46.31	46.43
23 33 13 19-0312	EA		56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	363.07 41.94 47.18	51.03
23 33 13 19-0313	EA		56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	378.29 42.20 47.47	55.77
23 33 13 19-0314	EA		56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	399.33 43.62 49.07	60.37
23 33 13 19-0315	EA		56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	420.36 45.03 50.66	64.97
23 33 13 19-0316	EA		56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	441.39 46.45 52.26	69.72
23 33 13 19-0317	EA		56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	462.42 47.87 53.85	74.31
23 33 13 19-0318	EA		56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	491.82 50.96 57.33	78.92
23 33 13 19-0319	EA		56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	514.26 54.05 60.81	81.28
23 33 13 19-0320	EA		56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	535.40 56.89 64.00	83.51
23 33 13 19-0321	EA		56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	567.39 60.49 68.06	88.26
23 33 13 19-0322	EA		56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	596.78 63.59 71.53	92.86
23 33 13 19-0323	EA		56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	627.47 66.94 75.30	97.46
23 33 13 19-0324	EA		56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	654.31 69.51 78.20	102.20
23 33 13 19-0325	EA		56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	685.00 72.86 81.97	106.80
23 33 13 19-0326	EA		56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	715.69 76.21 85.74	111.40
23 33 13 19-0327	EA		60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	342.68 40.65 45.73	46.43
23 33 13 19-0328	EA		60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	363.07 41.94 47.18	51.03
23 33 13 19-0329	EA		60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	379.58 42.45 47.76	55.77
23 33 13 19-0330	EA		60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	394.82 42.71 48.05	60.37
23 33 13 19-0331	EA		60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	416.50 44.26 49.79	64.97
23 33 13 19-0332	EA		60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	438.16 45.80 51.53	69.72
23 33 13 19-0333	EA		60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	460.49 47.48 53.42	74.31
23 33 13 19-0334	EA		60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	482.80 49.15 55.30	78.92
23 33 13 19-0335	EA		60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	506.52 52.50 59.07	81.28
23 33 13 19-0336	EA		60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	528.95 55.60 62.55	83.51
23 33 13 19-0337	EA		60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	559.66 58.95 66.32	88.26
23 33 13 19-0338	EA		60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	590.34 62.30 70.09	92.86
23 33 13 19-0339	EA		60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	617.16 64.87 72.98	97.46
23 33 13 19-0340	EA		60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	651.72 69.00 77.62	102.20

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**

MINOR TOTAL DIRECT DEMOLITION  
CSI UOM DESCRIPTION UNIT COST UNIT COST

23 33 13 19-0341	EA	60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	683.70	106.80
		<i>For 3 Hour Rated, Add</i>	72.60	
		<i>For Dynamic Damper, Add</i>	81.68	
23 33 13 19-0342	EA	60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	715.69	111.40
		<i>For 3 Hour Rated, Add</i>	76.21	
		<i>For Dynamic Damper, Add</i>	85.74	
23 33 13 19-0343	EA	60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	745.08	116.14
		<i>For 3 Hour Rated, Add</i>	79.30	
		<i>For Dynamic Damper, Add</i>	89.21	
23 33 13 19-0344	EA	60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	774.50	120.75
		<i>For 3 Hour Rated, Add</i>	82.40	
		<i>For Dynamic Damper, Add</i>	92.70	

**23 33 13 23 Backdraft Dampers (23 33 13)**

**23 33 13 23-0001 Horizontally Mounted Backdraft Damper (23 33 13 23)**

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA	6" x 6" Horizontally Mounted Backdraft Damper	84.68	15.48
23 33 13 23-0003	EA	8" x 6" Horizontally Mounted Backdraft Damper	99.51	16.17
23 33 13 23-0004	EA	8" x 8" Horizontally Mounted Backdraft Damper	116.79	16.31
23 33 13 23-0005	EA	10" x 6" Horizontally Mounted Backdraft Damper	112.55	16.31
23 33 13 23-0006	EA	10" x 8" Horizontally Mounted Backdraft Damper	108.89	16.74
23 33 13 23-0007	EA	10" x 10" Horizontally Mounted Backdraft Damper	129.13	18.55
23 33 13 23-0008	EA	12" x 6" Horizontally Mounted Backdraft Damper	103.02	16.74
23 33 13 23-0009	EA	12" x 8" Horizontally Mounted Backdraft Damper	126.19	18.55
23 33 13 23-0010	EA	12" x 10" Horizontally Mounted Backdraft Damper	122.67	19.52
23 33 13 23-0011	EA	12" x 12" Horizontally Mounted Backdraft Damper	139.69	20.92
23 33 13 23-0012	EA	14" x 6" Horizontally Mounted Backdraft Damper	114.60	17.71
23 33 13 23-0013	EA	14" x 8" Horizontally Mounted Backdraft Damper	118.39	19.52
23 33 13 23-0014	EA	14" x 10" Horizontally Mounted Backdraft Damper	137.56	20.92
23 33 13 23-0015	EA	14" x 12" Horizontally Mounted Backdraft Damper	127.26	23.28
23 33 13 23-0016	EA	14" x 14" Horizontally Mounted Backdraft Damper	143.82	25.51
23 33 13 23-0017	EA	16" x 6" Horizontally Mounted Backdraft Damper	126.19	18.55
23 33 13 23-0018	EA	16" x 8" Horizontally Mounted Backdraft Damper	131.13	20.92
23 33 13 23-0019	EA	16" x 10" Horizontally Mounted Backdraft Damper	124.52	23.28
23 33 13 23-0020	EA	16" x 12" Horizontally Mounted Backdraft Damper	135.47	23.28
23 33 13 23-0021	EA	16" x 14" Horizontally Mounted Backdraft Damper	153.41	25.51
23 33 13 23-0022	EA	16" x 16" Horizontally Mounted Backdraft Damper	171.33	27.89
23 33 13 23-0023	EA	18" x 6" Horizontally Mounted Backdraft Damper	116.26	19.52
23 33 13 23-0024	EA	18" x 8" Horizontally Mounted Backdraft Damper	112.06	20.92
23 33 13 23-0025	EA	18" x 10" Horizontally Mounted Backdraft Damper	131.36	23.28
23 33 13 23-0026	EA	18" x 12" Horizontally Mounted Backdraft Damper	150.66	25.51
23 33 13 23-0027	EA	18" x 14" Horizontally Mounted Backdraft Damper	169.95	27.89
23 33 13 23-0028	EA	18" x 16" Horizontally Mounted Backdraft Damper	192.41	30.12
23 33 13 23-0029	EA	18" x 18" Horizontally Mounted Backdraft Damper	219.08	34.86
23 33 13 23-0030	EA	18" x 20" Horizontally Mounted Backdraft Damper	188.71	37.09
23 33 13 23-0031	EA	18" x 24" Horizontally Mounted Backdraft Damper	218.07	41.83
23 33 13 23-0032	EA	20" x 6" Horizontally Mounted Backdraft Damper	126.86	20.92
23 33 13 23-0033	EA	20" x 8" Horizontally Mounted Backdraft Damper	124.52	23.28
23 33 13 23-0034	EA	20" x 10" Horizontally Mounted Backdraft Damper	145.18	25.51
23 33 13 23-0035	EA	20" x 12" Horizontally Mounted Backdraft Damper	165.86	27.89
23 33 13 23-0036	EA	20" x 14" Horizontally Mounted Backdraft Damper	189.58	30.12
23 33 13 23-0037	EA	20" x 16" Horizontally Mounted Backdraft Damper	210.69	32.48
23 33 13 23-0038	EA	20" x 18" Horizontally Mounted Backdraft Damper	188.71	37.09
23 33 13 23-0039	EA	20" x 20" Horizontally Mounted Backdraft Damper	197.28	37.09
23 33 13 23-0040	EA	20" x 24" Horizontally Mounted Backdraft Damper	228.36	41.83
23 33 13 23-0041	EA	20" x 28" Horizontally Mounted Backdraft Damper	259.44	46.43
23 33 13 23-0042	EA	20" x 32" Horizontally Mounted Backdraft Damper	251.35	51.03
23 33 13 23-0043	EA	20" x 36" Horizontally Mounted Backdraft Damper	277.52	55.77
23 33 13 23-0044	EA	24" x 6" Horizontally Mounted Backdraft Damper	119.03	23.28
23 33 13 23-0045	EA	24" x 8" Horizontally Mounted Backdraft Damper	142.44	25.51
23 33 13 23-0046	EA	24" x 10" Horizontally Mounted Backdraft Damper	165.86	27.89
23 33 13 23-0047	EA	24" x 12" Horizontally Mounted Backdraft Damper	192.41	30.12
23 33 13 23-0048	EA	24" x 14" Horizontally Mounted Backdraft Damper	176.59	34.86
23 33 13 23-0049	EA	24" x 16" Horizontally Mounted Backdraft Damper	193.84	37.09
23 33 13 23-0050	EA	24" x 18" Horizontally Mounted Backdraft Damper	218.07	41.83
23 33 13 23-0051	EA	24" x 20" Horizontally Mounted Backdraft Damper	228.36	41.83
23 33 13 23-0052	EA	24" x 24" Horizontally Mounted Backdraft Damper	262.87	46.43
23 33 13 23-0053	EA	24" x 28" Horizontally Mounted Backdraft Damper	256.23	51.03
23 33 13 23-0054	EA	24" x 32" Horizontally Mounted Backdraft Damper	284.88	55.77
23 33 13 23-0055	EA	24" x 36" Horizontally Mounted Backdraft Damper	313.51	60.37
23 33 13 23-0056	EA	24" x 40" Horizontally Mounted Backdraft Damper	312.77	64.97
23 33 13 23-0057	EA	24" x 44" Horizontally Mounted Backdraft Damper	338.46	69.72
23 33 13 23-0058	EA	24" x 48" Horizontally Mounted Backdraft Damper	350.22	69.72
23 33 13 23-0059	EA	28" x 6" Horizontally Mounted Backdraft Damper	127.26	23.28
23 33 13 23-0060	EA	28" x 8" Horizontally Mounted Backdraft Damper	153.41	25.51
23 33 13 23-0061	EA	28" x 10" Horizontally Mounted Backdraft Damper	189.58	30.12
23 33 13 23-0062	EA	28" x 12" Horizontally Mounted Backdraft Damper	176.59	34.86
23 33 13 23-0063	EA	28" x 14" Horizontally Mounted Backdraft Damper	195.56	37.09
23 33 13 23-0064	EA	28" x 16" Horizontally Mounted Backdraft Damper	221.51	41.83
23 33 13 23-0065	EA	28" x 18" Horizontally Mounted Backdraft Damper	247.45	46.43
23 33 13 23-0066	EA	28" x 20" Horizontally Mounted Backdraft Damper	259.44	46.43
23 33 13 23-0067	EA	28" x 24" Horizontally Mounted Backdraft Damper	256.23	51.03
23 33 13 23-0068	EA	28" x 28" Horizontally Mounted Backdraft Damper	287.33	55.77
23 33 13 23-0069	EA	28" x 32" Horizontally Mounted Backdraft Damper	318.41	60.37

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0070	EA	28" x 36"	Horizontally Mounted Backdraft Damper	332.58	69.72
23 33 13 23-0071	EA	28" x 40"	Horizontally Mounted Backdraft Damper	346.30	69.72
23 33 13 23-0072	EA	28" x 44"	Horizontally Mounted Backdraft Damper	373.96	74.31
23 33 13 23-0073	EA	28" x 48"	Horizontally Mounted Backdraft Damper	401.62	78.92
23 33 13 23-0074	EA	28" x 52"	Horizontally Mounted Backdraft Damper	415.34	78.92
23 33 13 23-0075	EA	28" x 56"	Horizontally Mounted Backdraft Damper	418.99	83.51
23 33 13 23-0076	EA	28" x 60"	Horizontally Mounted Backdraft Damper	430.98	83.51
23 33 13 23-0077	EA	32" x 6"	Horizontally Mounted Backdraft Damper	142.44	25.51
23 33 13 23-0078	EA	32" x 8"	Horizontally Mounted Backdraft Damper	181.10	30.12
23 33 13 23-0079	EA	32" x 10"	Horizontally Mounted Backdraft Damper	210.69	32.48
23 33 13 23-0080	EA	32" x 12"	Horizontally Mounted Backdraft Damper	193.84	37.09
23 33 13 23-0081	EA	32" x 14"	Horizontally Mounted Backdraft Damper	221.51	41.83
23 33 13 23-0082	EA	32" x 16"	Horizontally Mounted Backdraft Damper	249.15	46.43
23 33 13 23-0083	EA	32" x 18"	Horizontally Mounted Backdraft Damper	227.59	46.43
23 33 13 23-0084	EA	32" x 20"	Horizontally Mounted Backdraft Damper	251.35	51.03
23 33 13 23-0085	EA	32" x 24"	Horizontally Mounted Backdraft Damper	284.88	55.77
23 33 13 23-0086	EA	32" x 28"	Horizontally Mounted Backdraft Damper	318.41	60.37
23 33 13 23-0087	EA	32" x 32"	Horizontally Mounted Backdraft Damper	334.54	69.72
23 33 13 23-0088	EA	32" x 36"	Horizontally Mounted Backdraft Damper	350.22	69.72
23 33 13 23-0089	EA	32" x 40"	Horizontally Mounted Backdraft Damper	379.84	74.31
23 33 13 23-0090	EA	32" x 44"	Horizontally Mounted Backdraft Damper	409.46	78.92
23 33 13 23-0091	EA	32" x 48"	Horizontally Mounted Backdraft Damper	415.56	83.51
23 33 13 23-0092	EA	32" x 52"	Horizontally Mounted Backdraft Damper	429.28	83.51
23 33 13 23-0093	EA	32" x 56"	Horizontally Mounted Backdraft Damper	456.94	88.26
23 33 13 23-0094	EA	32" x 60"	Horizontally Mounted Backdraft Damper	470.66	88.26
23 33 13 23-0095	EA	32" x 64"	Horizontally Mounted Backdraft Damper	466.95	92.86
23 33 13 23-0096	EA	32" x 68"	Horizontally Mounted Backdraft Damper	478.70	92.86
23 33 13 23-0097	EA	32" x 72"	Horizontally Mounted Backdraft Damper	504.40	97.46
23 33 13 23-0098	EA	36" x 6"	Horizontally Mounted Backdraft Damper	150.66	25.51
23 33 13 23-0099	EA	36" x 8"	Horizontally Mounted Backdraft Damper	199.38	32.48
23 33 13 23-0100	EA	36" x 10"	Horizontally Mounted Backdraft Damper	188.71	37.09
23 33 13 23-0101	EA	36" x 12"	Horizontally Mounted Backdraft Damper	218.07	41.83
23 33 13 23-0102	EA	36" x 14"	Horizontally Mounted Backdraft Damper	247.45	46.43
23 33 13 23-0103	EA	36" x 16"	Horizontally Mounted Backdraft Damper	227.59	46.43
23 33 13 23-0104	EA	36" x 18"	Horizontally Mounted Backdraft Damper	252.56	51.03
23 33 13 23-0105	EA	36" x 20"	Horizontally Mounted Backdraft Damper	277.52	55.77
23 33 13 23-0106	EA	36" x 24"	Horizontally Mounted Backdraft Damper	313.51	60.37
23 33 13 23-0107	EA	36" x 28"	Horizontally Mounted Backdraft Damper	332.58	69.72
23 33 13 23-0108	EA	36" x 32"	Horizontally Mounted Backdraft Damper	350.22	69.72
23 33 13 23-0109	EA	36" x 36"	Horizontally Mounted Backdraft Damper	381.79	74.31
23 33 13 23-0110	EA	36" x 40"	Horizontally Mounted Backdraft Damper	413.37	78.92
23 33 13 23-0111	EA	36" x 44"	Horizontally Mounted Backdraft Damper	420.69	83.51
23 33 13 23-0112	EA	36" x 48"	Horizontally Mounted Backdraft Damper	450.08	88.26
23 33 13 23-0113	EA	36" x 52"	Horizontally Mounted Backdraft Damper	465.51	88.26
23 33 13 23-0114	EA	36" x 56"	Horizontally Mounted Backdraft Damper	464.01	92.86
23 33 13 23-0115	EA	36" x 60"	Horizontally Mounted Backdraft Damper	477.24	92.86
23 33 13 23-0116	EA	36" x 64"	Horizontally Mounted Backdraft Damper	504.40	97.46
23 33 13 23-0117	EA	36" x 68"	Horizontally Mounted Backdraft Damper	517.62	97.46
23 33 13 23-0118	EA	36" x 72"	Horizontally Mounted Backdraft Damper	530.86	97.46
23 33 13 23-0119	EA	40" x 6"	Horizontally Mounted Backdraft Damper	165.86	27.89
23 33 13 23-0120	EA	40" x 8"	Horizontally Mounted Backdraft Damper	217.67	34.86
23 33 13 23-0121	EA	40" x 10"	Horizontally Mounted Backdraft Damper	197.28	37.09
23 33 13 23-0122	EA	40" x 12"	Horizontally Mounted Backdraft Damper	228.36	41.83
23 33 13 23-0123	EA	40" x 14"	Horizontally Mounted Backdraft Damper	259.44	46.43
23 33 13 23-0124	EA	40" x 16"	Horizontally Mounted Backdraft Damper	251.35	51.03
23 33 13 23-0125	EA	40" x 18"	Horizontally Mounted Backdraft Damper	277.52	55.77
23 33 13 23-0126	EA	40" x 20"	Horizontally Mounted Backdraft Damper	303.70	60.37
23 33 13 23-0127	EA	40" x 24"	Horizontally Mounted Backdraft Damper	312.77	64.97
23 33 13 23-0128	EA	40" x 28"	Horizontally Mounted Backdraft Damper	346.30	69.72
23 33 13 23-0129	EA	40" x 32"	Horizontally Mounted Backdraft Damper	379.84	74.31
23 33 13 23-0130	EA	40" x 36"	Horizontally Mounted Backdraft Damper	413.37	78.92
23 33 13 23-0131	EA	40" x 40"	Horizontally Mounted Backdraft Damper	422.41	83.51
23 33 13 23-0132	EA	40" x 44"	Horizontally Mounted Backdraft Damper	453.50	88.26
23 33 13 23-0133	EA	40" x 48"	Horizontally Mounted Backdraft Damper	470.66	88.26
23 33 13 23-0134	EA	40" x 50"	Horizontally Mounted Backdraft Damper	462.55	92.86
23 33 13 23-0135	EA	44" x 6"	Horizontally Mounted Backdraft Damper	183.93	30.12
23 33 13 23-0136	EA	44" x 8"	Horizontally Mounted Backdraft Damper	186.99	37.09
23 33 13 23-0137	EA	44" x 10"	Horizontally Mounted Backdraft Damper	219.79	41.83
23 33 13 23-0138	EA	44" x 12"	Horizontally Mounted Backdraft Damper	252.59	46.43
23 33 13 23-0139	EA	44" x 14"	Horizontally Mounted Backdraft Damper	247.66	51.03
23 33 13 23-0140	EA	44" x 16"	Horizontally Mounted Backdraft Damper	275.07	55.77
23 33 13 23-0141	EA	44" x 18"	Horizontally Mounted Backdraft Damper	288.55	55.77
23 33 13 23-0142	EA	44" x 20"	Horizontally Mounted Backdraft Damper	315.96	60.37
23 33 13 23-0143	EA	44" x 24"	Horizontally Mounted Backdraft Damper	338.46	69.72
23 33 13 23-0144	EA	44" x 28"	Horizontally Mounted Backdraft Damper	373.96	74.31
23 33 13 23-0145	EA	44" x 32"	Horizontally Mounted Backdraft Damper	409.46	78.92
23 33 13 23-0146	EA	44" x 36"	Horizontally Mounted Backdraft Damper	420.69	83.51
23 33 13 23-0147	EA	44" x 40"	Horizontally Mounted Backdraft Damper	453.50	88.26
23 33 13 23-0148	EA	44" x 44"	Horizontally Mounted Backdraft Damper	472.36	88.26
23 33 13 23-0149	EA	44" x 48"	Horizontally Mounted Backdraft Damper	472.84	92.86
23 33 13 23-0150	EA	44" x 50"	Horizontally Mounted Backdraft Damper	480.90	92.86
23 33 13 23-0151	EA	48" x 6"	Horizontally Mounted Backdraft Damper	199.38	32.48
23 33 13 23-0152	EA	48" x 8"	Horizontally Mounted Backdraft Damper	193.84	37.09
23 33 13 23-0153	EA	48" x 10"	Horizontally Mounted Backdraft Damper	228.36	41.83
23 33 13 23-0154	EA	48" x 12"	Horizontally Mounted Backdraft Damper	227.59	46.43

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	256.23	51.03
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	284.88	55.77
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	313.51	60.37
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	312.77	64.97
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	350.22	69.72
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	401.62	78.92
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	415.56	83.51
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	450.08	88.26
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	470.66	88.26
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	472.84	92.86
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	504.40	97.46
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	513.22	97.46
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	203.62	32.48
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	211.22	41.83
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	246.59	46.43
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	245.21	51.03
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	274.47	55.77
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	303.70	60.37
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	332.97	64.97
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	331.59	69.72
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	370.04	74.31
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	408.47	78.92
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	422.41	83.51
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	457.80	88.26
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	462.55	92.86
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	480.90	92.86
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	513.22	97.46
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	522.40	97.46

**23 33 13 23-0183 Vertically Mounted Backdraft Damper** (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	90.48	15.48
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	107.26	16.17
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	109.99	16.31
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	114.07	16.31
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	123.63	16.74
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	137.36	18.55
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	135.87	16.74
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	153.67	18.55
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	156.46	19.52
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	164.73	20.92
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	133.49	17.71
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	142.06	19.52
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	152.21	20.92
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper	159.18	23.28
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper	172.11	25.51
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper	160.13	18.55
23 33 13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper	170.10	20.92
23 33 13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper	155.17	23.28
23 33 13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper	155.17	23.28
23 33 13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper	171.63	25.51
23 33 13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper	178.60	27.89
23 33 13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper	158.24	19.52
23 33 13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper	162.43	20.92
23 33 13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper	176.52	23.28
23 33 13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper	190.61	25.51
23 33 13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper	197.58	27.89
23 33 13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper	204.54	30.12
23 33 13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper	220.87	34.86
23 33 13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper	221.97	37.09
23 33 13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper	244.75	41.83
23 33 13 23-0214	EA	36" x 6" Vertically Mounted Backdraft Damper	182.02	20.92
23 33 13 23-0215	EA	16" x 14" Vertically Mounted Backdraft Damper	193.41	23.28
23 33 13 23-0216	EA	28" x 8" Vertically Mounted Backdraft Damper	200.38	25.51
23 33 13 23-0217	EA	20" x 12" Vertically Mounted Backdraft Damper	216.17	27.89
23 33 13 23-0218	EA	24" x 10" Vertically Mounted Backdraft Damper	223.13	30.12
23 33 13 23-0219	EA	40" x 6" Vertically Mounted Backdraft Damper	230.10	32.48
23 33 13 23-0220	EA	18" x 14" Vertically Mounted Backdraft Damper	250.69	37.09
23 33 13 23-0221	EA	16" x 16" Vertically Mounted Backdraft Damper	252.89	37.09
23 33 13 23-0222	EA	32" x 8" Vertically Mounted Backdraft Damper	266.83	41.83
23 33 13 23-0223	EA	44" x 6" Vertically Mounted Backdraft Damper	285.19	46.43
23 33 13 23-0224	EA	20" x 14" Vertically Mounted Backdraft Damper	307.97	51.03
23 33 13 23-0225	EA	28" x 10" Vertically Mounted Backdraft Damper	321.91	55.77
23 33 13 23-0226	EA	18" x 16" Vertically Mounted Backdraft Damper	228.74	23.28
23 33 13 23-0227	EA	24" x 12" Vertically Mounted Backdraft Damper	235.71	25.51
23 33 13 23-0228	EA	36" x 8" Vertically Mounted Backdraft Damper	242.68	27.89
23 33 13 23-0229	EA	48" x 6" Vertically Mounted Backdraft Damper	249.64	30.12
23 33 13 23-0230	EA	50" x 6" Vertically Mounted Backdraft Damper	270.21	34.86
23 33 13 23-0231	EA	20" x 16" Vertically Mounted Backdraft Damper	288.22	37.09
23 33 13 23-0232	EA	32" x 10" Vertically Mounted Backdraft Damper	302.16	41.83
23 33 13 23-0233	EA	40" x 8" Vertically Mounted Backdraft Damper	302.16	41.83
23 33 13 23-0234	EA	18" x 18" Vertically Mounted Backdraft Damper	280.77	46.43
23 33 13 23-0235	EA	24" x 14" Vertically Mounted Backdraft Damper	275.09	51.03
23 33 13 23-0236	EA	28" x 12" Vertically Mounted Backdraft Damper	289.03	55.77

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0237	EA	44"	8" Vertically Mounted Backdraft Damper	308.77	60.37
23 33 13 23-0238	EA	18"	20" Vertically Mounted Backdraft Damper	325.61	64.97
23 33 13 23-0239	EA	20"	18" Vertically Mounted Backdraft Damper	339.55	69.72
23 33 13 23-0240	EA	36"	10" Vertically Mounted Backdraft Damper	339.55	69.72
23 33 13 23-0241	EA	24"	16" Vertically Mounted Backdraft Damper	208.83	23.28
23 33 13 23-0242	EA	32"	12" Vertically Mounted Backdraft Damper	215.80	25.51
23 33 13 23-0243	EA	48"	8" Vertically Mounted Backdraft Damper	229.73	30.12
23 33 13 23-0244	EA	28"	14" Vertically Mounted Backdraft Damper	246.58	34.86
23 33 13 23-0245	EA	20"	20" Vertically Mounted Backdraft Damper	256.45	37.09
23 33 13 23-0246	EA	40"	10" Vertically Mounted Backdraft Damper	270.39	41.83
23 33 13 23-0247	EA	50"	8" Vertically Mounted Backdraft Damper	284.33	46.43
23 33 13 23-0248	EA	18"	24" Vertically Mounted Backdraft Damper	295.92	46.43
23 33 13 23-0249	EA	24"	18" Vertically Mounted Backdraft Damper	309.87	51.03
23 33 13 23-0250	EA	36"	12" Vertically Mounted Backdraft Damper	323.81	55.77
23 33 13 23-0251	EA	44"	10" Vertically Mounted Backdraft Damper	340.65	60.37
23 33 13 23-0252	EA	28"	16" Vertically Mounted Backdraft Damper	371.44	69.72
23 33 13 23-0253	EA	32"	14" Vertically Mounted Backdraft Damper	371.44	69.72
23 33 13 23-0254	EA	20"	24" Vertically Mounted Backdraft Damper	398.43	74.31
23 33 13 23-0255	EA	24"	20" Vertically Mounted Backdraft Damper	385.68	78.92
23 33 13 23-0256	EA	40"	12" Vertically Mounted Backdraft Damper	385.68	78.92
23 33 13 23-0257	EA	48"	10" Vertically Mounted Backdraft Damper	399.62	83.51
23 33 13 23-0258	EA	50"	10" Vertically Mounted Backdraft Damper	405.81	83.51
23 33 13 23-0259	EA	28"	18" Vertically Mounted Backdraft Damper	232.76	25.51
23 33 13 23-0260	EA	36"	14" Vertically Mounted Backdraft Damper	246.69	30.12
23 33 13 23-0261	EA	32"	16" Vertically Mounted Backdraft Damper	256.15	32.48
23 33 13 23-0262	EA	44"	12" Vertically Mounted Backdraft Damper	275.04	37.09
23 33 13 23-0263	EA	20"	28" Vertically Mounted Backdraft Damper	298.89	41.83
23 33 13 23-0264	EA	28"	20" Vertically Mounted Backdraft Damper	312.83	46.43
23 33 13 23-0265	EA	40"	14" Vertically Mounted Backdraft Damper	312.83	46.43
23 33 13 23-0266	EA	24"	24" Vertically Mounted Backdraft Damper	331.74	51.03
23 33 13 23-0267	EA	32"	18" Vertically Mounted Backdraft Damper	345.68	55.77
23 33 13 23-0268	EA	36"	16" Vertically Mounted Backdraft Damper	359.62	60.37
23 33 13 23-0269	EA	48"	12" Vertically Mounted Backdraft Damper	387.51	69.72
23 33 13 23-0270	EA	50"	12" Vertically Mounted Backdraft Damper	394.95	69.72
23 33 13 23-0271	EA	44"	14" Vertically Mounted Backdraft Damper	413.85	74.31
23 33 13 23-0272	EA	20"	32" Vertically Mounted Backdraft Damper	435.22	78.92
23 33 13 23-0273	EA	32"	20" Vertically Mounted Backdraft Damper	449.16	83.51
23 33 13 23-0274	EA	40"	16" Vertically Mounted Backdraft Damper	449.16	83.51
23 33 13 23-0275	EA	36"	18" Vertically Mounted Backdraft Damper	465.58	88.26
23 33 13 23-0276	EA	24"	28" Vertically Mounted Backdraft Damper	474.26	88.26
23 33 13 23-0277	EA	28"	24" Vertically Mounted Backdraft Damper	470.24	92.86
23 33 13 23-0278	EA	48"	14" Vertically Mounted Backdraft Damper	470.24	92.86
23 33 13 23-0279	EA	50"	14" Vertically Mounted Backdraft Damper	492.16	97.46
23 33 13 23-0280	EA	44"	16" Vertically Mounted Backdraft Damper	277.19	25.51
23 33 13 23-0281	EA	20"	36" Vertically Mounted Backdraft Damper	302.65	32.48
23 33 13 23-0282	EA	36"	20" Vertically Mounted Backdraft Damper	316.60	37.09
23 33 13 23-0283	EA	40"	18" Vertically Mounted Backdraft Damper	330.54	41.83
23 33 13 23-0284	EA	24"	32" Vertically Mounted Backdraft Damper	358.15	46.43
23 33 13 23-0285	EA	32"	24" Vertically Mounted Backdraft Damper	358.15	46.43
23 33 13 23-0286	EA	48"	16" Vertically Mounted Backdraft Damper	372.10	51.03
23 33 13 23-0287	EA	28"	28" Vertically Mounted Backdraft Damper	390.60	55.77
23 33 13 23-0288	EA	44"	18" Vertically Mounted Backdraft Damper	406.81	60.37
23 33 13 23-0289	EA	40"	20" Vertically Mounted Backdraft Damper	436.98	69.72
23 33 13 23-0290	EA	50"	16" Vertically Mounted Backdraft Damper	436.98	69.72
23 33 13 23-0291	EA	24"	36" Vertically Mounted Backdraft Damper	469.16	74.31
23 33 13 23-0292	EA	36"	24" Vertically Mounted Backdraft Damper	483.10	78.92
23 33 13 23-0293	EA	48"	18" Vertically Mounted Backdraft Damper	497.04	83.51
23 33 13 23-0294	EA	44"	20" Vertically Mounted Backdraft Damper	515.55	88.26
23 33 13 23-0295	EA	28"	32" Vertically Mounted Backdraft Damper	520.11	88.26
23 33 13 23-0296	EA	32"	28" Vertically Mounted Backdraft Damper	534.04	92.86
23 33 13 23-0297	EA	50"	18" Vertically Mounted Backdraft Damper	535.17	92.86
23 33 13 23-0298	EA	24"	40" Vertically Mounted Backdraft Damper	566.20	97.46
23 33 13 23-0299	EA	40"	24" Vertically Mounted Backdraft Damper	566.20	97.46
23 33 13 23-0300	EA	48"	20" Vertically Mounted Backdraft Damper	566.20	97.46
23 33 13 23-0301	EA	50"	20" Vertically Mounted Backdraft Damper	368.46	27.89
23 33 13 23-0302	EA	28"	36" Vertically Mounted Backdraft Damper	391.65	34.86
23 33 13 23-0303	EA	36"	28" Vertically Mounted Backdraft Damper	398.62	37.09
23 33 13 23-0304	EA	32"	32" Vertically Mounted Backdraft Damper	417.12	41.83
23 33 13 23-0305	EA	24"	44" Vertically Mounted Backdraft Damper	407.66	46.43
23 33 13 23-0306	EA	44"	24" Vertically Mounted Backdraft Damper	421.61	51.03
23 33 13 23-0307	EA	28"	40" Vertically Mounted Backdraft Damper	451.79	55.77
23 33 13 23-0308	EA	40"	28" Vertically Mounted Backdraft Damper	465.73	60.37
23 33 13 23-0309	EA	24"	48" Vertically Mounted Backdraft Damper	487.82	64.97
23 33 13 23-0310	EA	32"	36" Vertically Mounted Backdraft Damper	501.76	69.72
23 33 13 23-0311	EA	36"	32" Vertically Mounted Backdraft Damper	515.71	74.31
23 33 13 23-0312	EA	48"	24" Vertically Mounted Backdraft Damper	529.65	78.92
23 33 13 23-0313	EA	50"	24" Vertically Mounted Backdraft Damper	555.78	83.51
23 33 13 23-0314	EA	28"	44" Vertically Mounted Backdraft Damper	577.85	88.26
23 33 13 23-0315	EA	44"	28" Vertically Mounted Backdraft Damper	577.85	88.26
23 33 13 23-0316	EA	32"	40" Vertically Mounted Backdraft Damper	603.98	92.86
23 33 13 23-0317	EA	40"	32" Vertically Mounted Backdraft Damper	415.75	30.12
23 33 13 23-0318	EA	36"	36" Vertically Mounted Backdraft Damper	440.73	37.09
23 33 13 23-0319	EA	28"	48" Vertically Mounted Backdraft Damper	466.86	41.83
23 33 13 23-0320	EA	48"	28" Vertically Mounted Backdraft Damper	480.80	46.43
23 33 13 23-0321	EA	50"	28" Vertically Mounted Backdraft Damper	508.97	51.03

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

HUMBOLDT STATE UNIVERSITY

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 33 13 23-0322	EA	32" x 44" Vertically Mounted Backdraft Damper.....		524.95	55.77
23 33 13 23-0323	EA	44" x 32" Vertically Mounted Backdraft Damper.....		524.95	55.77
23 33 13 23-0324	EA	36" x 40" Vertically Mounted Backdraft Damper.....		548.04	60.37
23 33 13 23-0325	EA	40" x 36" Vertically Mounted Backdraft Damper.....		538.33	69.72
23 33 13 23-0326	EA	28" x 52" Vertically Mounted Backdraft Damper.....		555.93	74.31
23 33 13 23-0327	EA	32" x 48" Vertically Mounted Backdraft Damper.....		588.16	78.92
23 33 13 23-0328	EA	48" x 32" Vertically Mounted Backdraft Damper.....		602.10	83.51
23 33 13 23-0329	EA	28" x 56" Vertically Mounted Backdraft Damper.....		623.37	88.26
23 33 13 23-0330	EA	36" x 44" Vertically Mounted Backdraft Damper.....		627.04	88.26
23 33 13 23-0331	EA	44" x 36" Vertically Mounted Backdraft Damper.....		640.97	92.86
23 33 13 23-0332	EA	40" x 40" Vertically Mounted Backdraft Damper.....		644.62	92.86
23 33 13 23-0333	EA	50" x 32" Vertically Mounted Backdraft Damper.....		463.36	32.48
23 33 13 23-0334	EA	32" x 52" Vertically Mounted Backdraft Damper.....		491.94	37.09
23 33 13 23-0335	EA	28" x 60" Vertically Mounted Backdraft Damper.....		509.53	41.83
23 33 13 23-0336	EA	36" x 48" Vertically Mounted Backdraft Damper.....		534.46	46.43
23 33 13 23-0337	EA	48" x 36" Vertically Mounted Backdraft Damper.....		548.41	51.03
23 33 13 23-0338	EA	40" x 44" Vertically Mounted Backdraft Damper.....		569.67	55.77
23 33 13 23-0339	EA	44" x 40" Vertically Mounted Backdraft Damper.....		583.61	60.37
23 33 13 23-0340	EA	32" x 56" Vertically Mounted Backdraft Damper.....		604.86	64.97
23 33 13 23-0341	EA	50" x 36" Vertically Mounted Backdraft Damper.....		574.91	69.72
23 33 13 23-0342	EA	36" x 52" Vertically Mounted Backdraft Damper.....		617.43	78.92
23 33 13 23-0343	EA	32" x 60" Vertically Mounted Backdraft Damper.....		641.12	83.51
23 33 13 23-0344	EA	40" x 48" Vertically Mounted Backdraft Damper.....		655.07	88.26
23 33 13 23-0345	EA	48" x 40" Vertically Mounted Backdraft Damper.....		655.07	88.26
23 33 13 23-0346	EA	44" x 44" Vertically Mounted Backdraft Damper.....		672.26	92.86
23 33 13 23-0347	EA	40" x 50" Vertically Mounted Backdraft Damper.....		699.21	97.46
23 33 13 23-0348	EA	50" x 40" Vertically Mounted Backdraft Damper.....		699.21	97.46
23 33 13 23-0349	EA	36" x 56" Vertically Mounted Backdraft Damper.....		507.25	32.48
23 33 13 23-0350	EA	32" x 64" Vertically Mounted Backdraft Damper.....		541.65	41.83
23 33 13 23-0351	EA	44" x 48" Vertically Mounted Backdraft Damper.....		568.60	46.43
23 33 13 23-0352	EA	48" x 44" Vertically Mounted Backdraft Damper.....		582.55	51.03
23 33 13 23-0353	EA	36" x 60" Vertically Mounted Backdraft Damper.....		606.24	55.77
23 33 13 23-0354	EA	32" x 68" Vertically Mounted Backdraft Damper.....		623.43	60.37
23 33 13 23-0355	EA	44" x 50" Vertically Mounted Backdraft Damper.....		586.37	64.97
23 33 13 23-0356	EA	50" x 44" Vertically Mounted Backdraft Damper.....		600.31	69.72
23 33 13 23-0357	EA	32" x 72" Vertically Mounted Backdraft Damper.....		632.75	74.31
23 33 13 23-0358	EA	36" x 64" Vertically Mounted Backdraft Damper.....		646.69	78.92
23 33 13 23-0359	EA	48" x 48" Vertically Mounted Backdraft Damper.....		660.63	83.51
23 33 13 23-0360	EA	48" x 50" Vertically Mounted Backdraft Damper.....		691.64	88.26
23 33 13 23-0361	EA	50" x 48" Vertically Mounted Backdraft Damper.....		705.57	92.86
23 33 13 23-0362	EA	36" x 68" Vertically Mounted Backdraft Damper.....		714.11	92.86
23 33 13 23-0363	EA	50" x 50" Vertically Mounted Backdraft Damper.....		737.30	97.46
23 33 13 23-0364	EA	36" x 72" Vertically Mounted Backdraft Damper.....		753.65	97.46
<b>23 33 13 23-0365 Backdraft Damper Accessories (23 33 13 23)</b>					
23 33 13 23-0366	EA	For Motor Pack For Horizontally Mounted Backdraft Damper.....		178.84	24.12
23 33 13 23-0367	EA	For Motor Pack For Vertically Mounted Backdraft Damper.....		298.72	24.12
<b>23 33 13 33 Splitter Damper Hardware (23 33 13)</b>					
23 33 13 33-0001	EA	Splitter Damper, Hardware.....		45.67	9.75
<b>23 33 13 43 Blower Check Valve (23 33 13)</b>					
<b>23 33 13 43-0001 Blower Check Valves With Silicone Seals (23 33 13 43)</b>					
23 33 13 43-0002	EA	2-1/2" Blower Check Valves, Silicone Seals.....		206.34	35.97
23 33 13 43-0003	EA	3" Blower Check Valves, Silicone Seals.....		230.99	40.99
23 33 13 43-0004	EA	4" Blower Check Valves, Silicone Seals.....		297.93	54.38
23 33 13 43-0005	EA	5" Blower Check Valves, Silicone Seals.....		402.76	62.75
23 33 13 43-0006	EA	6" Blower Check Valves, Silicone Seals.....		454.86	75.29
23 33 13 43-0007	EA	8" Blower Check Valves, Silicone Seals.....		665.90	95.37
<b>23 33 13 43-0008 Blower Check Valves With Viton Seats (23 33 13 43)</b>					
23 33 13 43-0009	EA	2-1/2" Blower Check Valves, Viton Seats.....		275.46	35.97
23 33 13 43-0010	EA	3" Blower Check Valves, Viton Seats.....		313.14	40.99
23 33 13 43-0011	EA	4" Blower Check Valves, Viton Seats.....		355.13	54.38
23 33 13 43-0012	EA	5" Blower Check Valves, Viton Seats.....		488.40	62.75
23 33 13 43-0013	EA	6" Blower Check Valves, Viton Seats.....		549.40	75.29
23 33 13 43-0014	EA	8" Blower Check Valves, Viton Seats.....		833.13	95.37
<b>23 33 19 Duct Silencers (23 33)</b>					
<b>23 33 19 00-0001 36" Long Packaged Duct Sound Trap (23 33 19)</b>					
23 33 19 00-0002	EA	12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....		358.37	57.07
23 33 19 00-0003	EA	12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....		427.56	65.42
23 33 19 00-0004	EA	12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....		541.70	75.17
23 33 19 00-0005	EA	12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....		649.63	84.91
23 33 19 00-0006	EA	24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....		609.28	84.91
23 33 19 00-0007	EA	24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....		754.44	89.09
23 33 19 00-0008	EA	24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....		828.38	94.65
23 33 19 00-0009	EA	24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....		905.10	100.22



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 19 00-0010	EA		24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,163.10	114.14
23 33 19 00-0011	EA		36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	757.15	94.65
23 33 19 00-0012	EA		36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,004.02	114.14
23 33 19 00-0013	EA		36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,715.18	153.11
23 33 19 00-0014	EA		36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,886.60	161.47
23 33 19 00-0015	EA		48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,099.22	174.00
23 33 19 00-0016	EA		48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,350.06	189.31
<b>23 33 19 00-0017 60" Long Packaged Duct Sound Trap (23 33 19)</b>					
23 33 19 00-0018	EA		12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	398.95	125.28
23 33 19 00-0019	EA		12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	477.51	144.76
23 33 19 00-0020	EA		12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	606.58	167.03
23 33 19 00-0021	EA		12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	727.41	187.92
23 33 19 00-0022	EA		24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	681.55	187.92
23 33 19 00-0023	EA		24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	848.30	199.05
23 33 19 00-0024	EA		24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	927.53	208.79
23 33 19 00-0025	EA		24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,008.87	219.93
23 33 19 00-0026	EA		24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,305.14	250.55
23 33 19 00-0027	EA		36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	846.59	208.79
23 33 19 00-0028	EA		36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,124.36	250.55
23 33 19 00-0029	EA		36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,913.97	329.89
23 33 19 00-0030	EA		36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,129.68	357.74
23 33 19 00-0031	EA		48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,353.84	380.00
23 33 19 00-0032	EA		48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,642.92	417.59
<b>23 33 19 00-0033 84" Long Packaged Duct Sound Trap (23 33 19)</b>					
23 33 19 00-0034	EA		6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	341.00	104.40
23 33 19 00-0035	EA		6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	569.51	155.90
23 33 19 00-0036	EA		6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	800.91	228.28
23 33 19 00-0037	EA		12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	450.21	125.28
23 33 19 00-0038	EA		12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	553.06	144.76
23 33 19 00-0039	EA		12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	730.69	167.03
23 33 19 00-0040	EA		12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	851.69	179.56
23 33 19 00-0041	EA		12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	927.78	193.48
23 33 19 00-0042	EA		12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,146.08	208.79
23 33 19 00-0043	EA		12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,343.23	228.28
23 33 19 00-0044	EA		24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	814.46	193.48
23 33 19 00-0045	EA		24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,113.71	201.83
23 33 19 00-0046	EA		24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,208.14	208.79
23 33 19 00-0047	EA		24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,311.06	219.93
23 33 19 00-0048	EA		24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,619.44	236.64
23 33 19 00-0049	EA		24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,753.03	250.55
<b>23 33 23 Turning Vanes (23 33)</b>					
<b>23 33 23 00-0001 Duct Turning Vane Components (23 33 23)</b>					
23 33 23 00-0002	LF		Duct Turning Vane Rail	12.13	3.48
			<i>For Stainless Steel, Add</i>	6.38	
23 33 23 00-0003	LF		Double Thick Factory Fabricated, Duct Turning Vane	10.28	1.39
			<i>For Stainless Steel, Add</i>	9.61	
<b>23 33 23 00-0004 Duct Turning Vane Sets (23 33 23)</b>					
			Note: Measured from inside corner to outside corner of ductwork.		
23 33 23 00-0005	LF		12" High Duct Turning Vanes, Sets	40.48	5.22
			<i>For Stainless Steel, Add</i>	44.14	
23 33 23 00-0006	LF		14" High Duct Turning Vanes, Sets	49.91	5.56
			<i>For Stainless Steel, Add</i>	55.84	
23 33 23 00-0007	LF		16" High Duct Turning Vanes, Sets	67.50	5.84
			<i>For Stainless Steel, Add</i>	78.17	
23 33 23 00-0008	LF		18" High Duct Turning Vanes, Sets	85.14	6.27
			<i>For Stainless Steel, Add</i>	100.50	
23 33 23 00-0009	LF		20" High Duct Turning Vanes, Sets	94.24	6.68
			<i>For Stainless Steel, Add</i>	111.66	
23 33 23 00-0010	LF		22" High Duct Turning Vanes, Sets	119.50	6.27
			<i>For Stainless Steel, Add</i>	145.18	
23 33 23 00-0011	LF		24" High Duct Turning Vanes, Sets	146.72	7.37
			<i>For Stainless Steel, Add</i>	178.67	
23 33 23 00-0012	LF		26" High Duct Turning Vanes, Sets	157.43	7.72
			<i>For Stainless Steel, Add</i>	192.13	
23 33 23 00-0013	LF		30" High Duct Turning Vanes, Sets	175.54	8.02
			<i>For Stainless Steel, Add</i>	215.18	
<b>23 33 33 Duct-Mounting Access Doors (23 33)</b>					
<b>23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication (23 33 33)</b>					
23 33 33 00-0002	EA		6" x 6" Duct Access Doors Insulated Factory Fabrication	111.81	19.49
			<i>For Stainless Steel, Add</i>	67.02	
23 33 33 00-0003	EA		10" x 10" Duct Access Doors Insulated Factory Fabrication	118.85	19.49
			<i>For Stainless Steel, Add</i>	81.10	
23 33 33 00-0004	EA		12" x 12" Duct Access Doors Insulated Factory Fabrication	122.29	19.49
			<i>For Stainless Steel, Add</i>	87.98	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 33 00-0005	EA		12" x 18" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	158.39 124.06	23.66
23 33 33 00-0006	EA		16" x 12" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	159.79 126.86	23.66
23 33 33 00-0007	EA		18" x 18" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	198.28 146.00	32.01
23 33 33 00-0008	EA		24" x 18" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	235.20 157.22	38.97
23 33 33 00-0009	EA		24" x 24" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	305.31 193.04	52.89
<b>23 33 43 Flexible Connectors (23 33)</b>					
23 33 43 00-0001	LF		6-1/2" Width, Galvanized Steel, Flexible Duct Connector	16.82	4.17
23 33 43 00-0002	LF		5-3/4" Width, Vinyl/Steel, Flexible Duct Connector	17.09	3.76
<b>23 33 46 Flexible Ducts (23 33)</b>					
23 33 46 00-0001	<b>Flexible Duct, R8.0 Insulated With Metallized Outer Jacket (23 33 46)</b>				
Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.					
23 33 46 00-0002	LF		4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	7.53	1.39
23 33 46 00-0003	LF		5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	8.42	2.79
23 33 46 00-0004	LF		6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	9.70	2.79
23 33 46 00-0005	LF		7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	11.36	2.79
23 33 46 00-0006	LF		8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	13.73	4.17
23 33 46 00-0007	LF		10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	17.63	4.17
23 33 46 00-0008	LF		12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	24.20	5.56
23 33 46 00-0009	LF		14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	30.20	5.56
23 33 46 00-0010	LF		16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	39.98	6.96
23 33 46 00-0011	<b>Collars, Sheet Metal Spin-In Type With Damper (23 33 46)</b>				
23 33 46 00-0012	EA		Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	46.52 19.76	8.35
23 33 46 00-0013	EA		5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	51.19 20.02	9.75
23 33 46 00-0014	EA		6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	58.74 22.07	9.75
23 33 46 00-0015	EA		7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	67.63 22.78	12.52
23 33 46 00-0016	EA		8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	82.43 25.73	15.31
23 33 46 00-0017	EA		10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	95.99 31.72	18.10
23 33 46 00-0018	EA		12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	109.81 34.18	20.88
23 33 46 00-0019	EA		14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	128.96 42.80	23.66
23 33 46 00-0020	EA		16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	140.42 46.83	26.45
<b>23 33 53 Duct Liners (23 33)</b>					
23 33 53 00-0001	<b>Fiberglass Duct Liner Board, Rigid, Acoustical Insulation (23 33 53)</b>				
23 33 53 00-0002	SF		1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	11.86	3.17
23 33 53 00-0003	SF		3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	12.95	3.17
23 33 53 00-0004	SF		1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	14.39	4.23
23 33 53 00-0005	SF		1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	17.64	4.23
23 33 53 00-0006	SF		2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	21.28	4.76
23 33 53 00-0007	SF		1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	13.27	4.17
23 33 53 00-0008	SF		3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	14.52	4.17
23 33 53 00-0009	SF		1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	16.15	5.56
23 33 53 00-0010	SF		1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	19.65	5.56
23 33 53 00-0011	SF		2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	23.81	6.27
23 33 53 00-0012	<b>Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation (23 33 53)</b>				
23 33 53 00-0013	SF		1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	2.59	3.34
23 33 53 00-0014	SF		1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket	3.66	3.76
23 33 53 00-0015	SF		1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	3.70	3.76
23 33 53 00-0016	SF		1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket	4.75	3.76
23 33 53 00-0017	SF		1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket	3.99	4.17
23 33 53 00-0018	SF		2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket	4.22	4.60
23 33 53 00-0019	SF		2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket	6.49	4.60
<b>23 33 56 Duct Air Extractors (23 33)</b>					
23 33 56 00-0001	EA		12" x 4" Duct Air Extractor <i>For Stainless Steel, Add</i>	59.16 17.20	22.97
23 33 56 00-0002	EA		8" x 6" Duct Air Extractor <i>For Stainless Steel, Add</i>	63.34 17.20	25.06
23 33 56 00-0003	EA		12" x 6" Duct Air Extractor <i>For Stainless Steel, Add</i>	71.19 23.79	26.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 56 00-0004	EA		16" x 6" Duct Air Extractor..... <i>For Stainless Steel, Add</i>	78.89 30.17	27.84
23 33 56 00-0005	EA		24" x 6" Duct Air Extractor..... <i>For Stainless Steel, Add</i>	99.57 49.83	30.62
23 33 56 00-0006	EA		12" x 8" Duct Air Extractor..... <i>For Stainless Steel, Add</i>	76.19 26.66	27.84
23 33 56 00-0007	EA		20" x 8" Duct Air Extractor..... <i>For Stainless Steel, Add</i>	99.28 38.60	34.80
23 33 56 00-0008	EA		18" x 10" Duct Air Extractor..... <i>For Stainless Steel, Add</i>	108.49 37.90	39.67
23 33 56 00-0009	EA		24" x 10" Duct Air Extractor..... <i>For Stainless Steel, Add</i>	131.05 49.13	46.62
23 33 56 00-0010	EA		24" x 12" Duct Air Extractor..... <i>For Stainless Steel, Add</i>	151.84 52.64	55.68
23 33 56 00-0011	EA		30" x 12" Duct Air Extractor..... <i>For Stainless Steel, Add</i>	189.94 65.96	69.59
<b>23 33 59 Duct Pressure Relief Doors (23 33)</b>					
<b>23 33 59 00-0001 Duct Pressure Relief Doors (23 33 59)</b>					
23 33 59 00-0002	EA		18" x 18" Duct Pressure Relief Door (Ruskin PRD18) .....	923.79	41.76
23 33 59 00-0003	EA		24" x 10" Duct Pressure Relief Door (Ruskin PRD18) .....	759.74	34.80
23 33 59 00-0004	EA		24" x 12" Duct Pressure Relief Door (Ruskin PRD18) .....	758.51	38.28
<b>23 34 HVAC Fans (23 30)</b>					
<b>23 34 13 Axial HVAC Fans (23 34)</b>					
<b>23 34 13 00-0001 Tube-Axial Fans (23 34 13)</b>					
<b>23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans (23 34 13 00-0001)</b>					
23 34 13 00-0003	EA		12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/2" Static Pressure, Add</i> <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i>	1,655.52 175.90 63.96 127.93	427.56
23 34 13 00-0004	EA		12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/2" Static Pressure, Add</i> <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i>	1,712.63 188.47 68.53 137.07	428.84
23 34 13 00-0005	EA		16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/2" Static Pressure, Add</i> <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i>	1,826.85 213.59 77.67 155.34	427.56
23 34 13 00-0006	EA		20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/2" Static Pressure, Add</i> <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i>	1,941.07 238.72 86.81 173.62	428.84
23 34 13 00-0007	EA		22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/2" Static Pressure, Add</i> <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i>	2,283.60 276.42 100.52 201.03	513.59
23 34 13 00-0008	EA		24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/2" Static Pressure, Add</i> <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i>	2,601.36 326.67 118.79 237.58	558.52
23 34 13 00-0009	EA		24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/2" Static Pressure, Add</i> <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i>	2,764.81 339.24 123.36 246.72	611.17
23 34 13 00-0010	EA		30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/2" Static Pressure, Add</i> <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i>	3,111.50 402.06 146.20 292.41	641.98
23 34 13 00-0011	EA		30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/2" Static Pressure, Add</i> <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i>	3,775.16 477.45 173.62 347.23	802.47
23 34 13 00-0012	EA		36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/2" Static Pressure, Add</i> <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i>	4,224.81 552.83 201.03 402.06	856.40
23 34 13 00-0013	EA		36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/2" Static Pressure, Add</i> <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i>	4,945.08 653.35 237.58 475.16	987.36
<b>23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans (23 34 13 00-0001)</b>					
23 34 13 00-0015	EA		15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/2" Static Pressure, Add</i> <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i>	1,576.37 164.56 59.84 119.68	414.72
23 34 13 00-0016	EA		15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/2" Static Pressure, Add</i> <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i>	1,663.03 177.55 64.56 129.13	428.84

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0017	EA		18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure .....	1,718.79	442.96
			For 1/2" Static Pressure, Add	183.33	
			For 1/4" Static Pressure, Add	66.66	
			For 3/8" Static Pressure, Add	133.33	
23 34 13 00-0018	EA		18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure .....	1,811.66	458.37
			For 1/2" Static Pressure, Add	196.80	
			For 1/4" Static Pressure, Add	71.56	
			For 3/8" Static Pressure, Add	143.13	
23 34 13 00-0019	EA		18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure .....	2,011.84	476.35
			For 1/2" Static Pressure, Add	233.37	
			For 1/4" Static Pressure, Add	84.86	
			For 3/8" Static Pressure, Add	169.72	
23 34 13 00-0020	EA		24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure .....	2,116.23	494.32
			For 1/2" Static Pressure, Add	248.29	
			For 1/4" Static Pressure, Add	90.29	
			For 3/8" Static Pressure, Add	180.57	
23 34 13 00-0021	EA		24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure .....	2,339.46	513.59
			For 1/2" Static Pressure, Add	288.71	
			For 1/4" Static Pressure, Add	104.98	
			For 3/8" Static Pressure, Add	209.97	
23 34 13 00-0022	EA		24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure .....	2,589.08	513.59
			For 1/2" Static Pressure, Add	343.98	
			For 1/4" Static Pressure, Add	125.08	
			For 3/8" Static Pressure, Add	250.17	
23 34 13 00-0023	EA		30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure .....	2,973.63	558.52
			For 1/2" Static Pressure, Add	409.00	
			For 1/4" Static Pressure, Add	148.73	
			For 3/8" Static Pressure, Add	297.45	
23 34 13 00-0024	EA		30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure .....	3,535.85	676.65
			For 1/2" Static Pressure, Add	481.18	
			For 1/4" Static Pressure, Add	174.97	
			For 3/8" Static Pressure, Add	349.95	
23 34 13 00-0025	EA		30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure .....	3,960.32	676.65
			For 1/2" Static Pressure, Add	573.30	
			For 1/4" Static Pressure, Add	208.47	
			For 3/8" Static Pressure, Add	416.95	
23 34 13 00-0026	EA		36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure .....	4,336.34	713.88
			For 1/2" Static Pressure, Add	640.14	
			For 1/4" Static Pressure, Add	232.78	
			For 3/8" Static Pressure, Add	465.56	
23 34 13 00-0027	EA		36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure .....	4,717.71	754.97
			For 1/2" Static Pressure, Add	706.36	
			For 1/4" Static Pressure, Add	256.86	
			For 3/8" Static Pressure, Add	513.72	
23 34 13 00-0028	EA		36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure .....	5,468.72	987.36
			For 1/2" Static Pressure, Add	769.88	
			For 1/4" Static Pressure, Add	279.96	
			For 3/8" Static Pressure, Add	559.91	
23 34 13 00-0029	EA		36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure .....	6,138.75	988.65
			For 1/2" Static Pressure, Add	917.29	
			For 1/4" Static Pressure, Add	333.56	
			For 3/8" Static Pressure, Add	667.12	
23 34 13 00-0030	EA		42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure .....	6,971.68	1,166.85
			For 1/2" Static Pressure, Add	1,022.05	
			For 1/4" Static Pressure, Add	371.65	
			For 3/8" Static Pressure, Add	743.31	

**23 34 16 Centrifugal HVAC Fans (23 34)**

23 34 16 00-0001	Centrifugal Fans (23 34 16)				
	Note: All belt fans to be supplied with belt guard.				
23 34 16 00-0002	Utility Backward Inclined Steel Wheel Centrifugal Fans (23 34 16 00-0001)				
	Note: V-belt driven.				
23 34 16 00-0003	Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002)				
	Note: Under 30" diameter wheel.				
23 34 16 00-0004	12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure (23 34 16 00-0003)				
23 34 16 00-0005	EA	1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan.....	1,141.23	282.09	
23 34 16 00-0006	EA	1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan.....	1,585.09	292.74	
23 34 16 00-0007	EA	1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan.....	1,634.36	233.29	
23 34 16 00-0008	EA	1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan.....	1,705.86	319.70	
23 34 16 00-0009	EA	3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan.....	1,753.01	338.96	
23 34 16 00-0010	EA	1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan.....	1,810.59	353.09	
23 34 16 00-0011	EA	1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan .....	1,872.69	376.20	
23 34 16 00-0012	13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure (23 34 16 00-0003)				
23 34 16 00-0013	EA	1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure.....	1,814.37	308.15	
23 34 16 00-0014	EA	1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure.....	1,849.95	319.70	
23 34 16 00-0015	EA	1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure.....	1,914.96	338.96	
23 34 16 00-0016	EA	3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure.....	1,954.31	353.09	
23 34 16 00-0017	EA	1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure.....	2,025.92	376.20	
23 34 16 00-0018	EA	1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	2,094.38	394.18	
23 34 16 00-0019	15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure (23 34 16 00-0003)				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0020	EA		1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	1,831.99	319.70
23 34 16 00-0021	EA		1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	1,879.03	338.96
23 34 16 00-0022	EA		1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	1,936.35	353.09
23 34 16 00-0023	EA		3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	1,989.97	376.20
23 34 16 00-0024	EA		1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	2,052.47	394.18
23 34 16 00-0025	EA		1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	2,142.16	423.70
23 34 16 00-0026	EA		2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	2,211.88	445.53
<b>23 34 16 00-0027</b>			<b>16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure (23 34 16 00-0003)</b>		
23 34 16 00-0028	EA		1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure.....	2,085.64	338.96
23 34 16 00-0029	EA		1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure.....	2,161.62	353.09
23 34 16 00-0030	EA		1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure.....	2,249.39	376.20
23 34 16 00-0031	EA		3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure.....	2,297.93	394.18
23 34 16 00-0032	EA		1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure.....	2,364.71	423.70
23 34 16 00-0033	EA		1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure.....	2,420.48	445.53
23 34 16 00-0034	EA		2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure.....	2,683.03	484.05
<b>23 34 16 00-0035</b>			<b>18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure (23 34 16 00-0003)</b>		
23 34 16 00-0036	EA		1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure.....	2,156.44	353.09
23 34 16 00-0037	EA		1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure.....	2,214.55	376.20
23 34 16 00-0038	EA		1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure.....	2,286.03	394.18
23 34 16 00-0039	EA		3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure.....	2,348.78	423.70
23 34 16 00-0040	EA		1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure.....	2,427.48	445.53
23 34 16 00-0041	EA		1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure.....	2,548.29	484.05
23 34 16 00-0042	EA		2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure.....	2,628.68	513.59
23 34 16 00-0043	EA		3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure.....	2,751.93	564.94
<b>23 34 16 00-0044</b>			<b>20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure (23 34 16 00-0003)</b>		
23 34 16 00-0045	EA		1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,187.61	376.20
23 34 16 00-0046	EA		1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,259.06	394.18
23 34 16 00-0047	EA		1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,348.78	423.70
23 34 16 00-0048	EA		3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,427.48	445.53
23 34 16 00-0049	EA		1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,575.23	484.05
23 34 16 00-0050	EA		1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,771.12	513.59
23 34 16 00-0051	EA		2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,922.10	564.94
23 34 16 00-0052	EA		3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	3,073.08	604.75
<b>23 34 16 00-0053</b>			<b>22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure (23 34 16 00-0003)</b>		
23 34 16 00-0054	EA		1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	2,603.43	394.18
23 34 16 00-0055	EA		1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	2,661.97	423.70
23 34 16 00-0056	EA		1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	2,734.40	445.53
23 34 16 00-0057	EA		3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	2,829.76	484.05
23 34 16 00-0058	EA		1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	2,946.82	513.59
23 34 16 00-0059	EA		1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	3,004.44	564.94
23 34 16 00-0060	EA		2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	3,091.04	604.75
23 34 16 00-0061	EA		3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	3,246.00	677.92
<b>23 34 16 00-0062</b>			<b>24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure (23 34 16 00-0003)</b>		
23 34 16 00-0063	EA		1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,109.36	423.70
23 34 16 00-0064	EA		1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,231.01	484.05
23 34 16 00-0065	EA		3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,338.35	513.59
23 34 16 00-0066	EA		1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,461.09	564.94
23 34 16 00-0067	EA		1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,567.15	604.75
23 34 16 00-0068	EA		2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,677.20	677.92
23 34 16 00-0069	EA		3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,811.43	736.99
23 34 16 00-0070	EA		5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	4,113.65	847.42
<b>23 34 16 00-0071</b>			<b>27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure (23 34 16 00-0003)</b>		
23 34 16 00-0072	EA		1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,435.09	445.53
23 34 16 00-0073	EA		1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,562.94	513.59
23 34 16 00-0074	EA		3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,685.66	564.94
23 34 16 00-0075	EA		1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,791.73	604.75
23 34 16 00-0076	EA		1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,946.69	677.92
23 34 16 00-0077	EA		2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,080.65	736.99
23 34 16 00-0078	EA		3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,401.96	847.42
23 34 16 00-0079	EA		5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,480.90	941.14
<b>23 34 16 00-0080</b>			<b>Large Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002)</b>		
			Note: Over 30" diameter wheel.		
<b>23 34 16 00-0081</b>			<b>30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure (23 34 16 00-0002)</b>		
23 34 16 00-0082	EA		1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,786.11	564.94
23 34 16 00-0083	EA		3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,888.64	604.75
23 34 16 00-0084	EA		1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,051.62	677.92
23 34 16 00-0085	EA		1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,194.57	736.99

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 34 HVAC Fans**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 34 16 00-0086	EA	2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....		5,416.22	847.42
23 34 16 00-0087	EA	3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....		5,612.78	941.14
23 34 16 00-0088	EA	5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....		5,952.00	1,129.88
23 34 16 00-0089	EA	7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....		6,263.22	1,303.22
<b>23 34 16 00-0090</b>		<b>33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure (23 34 16 00-0080)</b>			
23 34 16 00-0091	EA	1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....		5,588.37	604.75
23 34 16 00-0092	EA	3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....		5,788.25	677.92
23 34 16 00-0093	EA	1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....		5,967.40	736.99
23 34 16 00-0094	EA	1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....		6,224.72	847.42
23 34 16 00-0095	EA	2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....		6,457.21	941.14
23 34 16 00-0096	EA	3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....		6,832.35	1,129.88
23 34 16 00-0097	EA	5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....		7,235.19	1,303.22
23 34 16 00-0098	EA	7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....		7,868.00	1,694.82
<b>23 34 16 00-0099</b>		<b>36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure (23 34 16 00-0080)</b>			
23 34 16 00-0100	EA	1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....		4,708.00	677.92
23 34 16 00-0101	EA	3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....		4,797.32	736.99
23 34 16 00-0102	EA	1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....		4,964.80	847.42
23 34 16 00-0103	EA	1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....		5,125.56	941.14
23 34 16 00-0104	EA	2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....		5,851.91	1,129.88
23 34 16 00-0105	EA	3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....		6,191.60	1,303.22
23 34 16 00-0106	EA	5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....		6,863.09	1,694.82
23 34 16 00-0107	EA	7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....		7,583.97	2,118.53
<b>23 34 16 00-0108</b>		<b>Kitchen System Fans (23 34 16 00-0001)</b>			
<b>23 34 16 00-0109</b>		<b>Upblast Kitchen Exhaust Fans (23 34 16 00-0108)</b>			
<b>23 34 16 00-0110</b>		<b>Direct Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109)</b>			
		Note: Greenheck CUE.			
23 34 16 00-0111	EA	Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan.....		1,086.09	166.91
		Note: 115V. For roof or wall installations. Includes disconnect switch.			
		For Bird Screen, Add		42.63	
		For Backdraft Damper, Add		124.53	
		For Damper Motor, Add		194.69	
23 34 16 00-0112	EA	14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan.....		1,255.44	166.91
		Note: 115V. For roof or wall installations. Includes disconnect switch.			
		For Bird Screen, Add		42.63	
		For Backdraft Damper, Add		124.53	
		For Damper Motor, Add		194.69	
<b>23 34 16 00-0113</b>		<b>Belt Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109)</b>			
		Note: Greenheck CUBE.			
23 34 16 00-0114	EA	10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....		1,790.50	166.91
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.			
		For Hinged Curb Kit, Add		123.82	
		For Grease Trap Kit, Add		76.41	
		For Totally Enclosed Motor, Add		85.00	
		For 3 Phase Motor, Deduct		-50.00	
		For Bird Screen, Add		42.63	
		For Wall Mounted Fan, Add		71.62	
		For Backdraft Damper, Add		124.53	
		For Damper Motor, Add		194.69	
23 34 16 00-0115	EA	12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....		1,864.00	166.91
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.			
		For Hinged Curb Kit, Add		130.06	
		For Grease Trap Kit, Add		76.41	
		For Totally Enclosed Motor, Add		85.00	
		For 3 Phase Motor, Deduct		-50.00	
		For Bird Screen, Add		42.63	
		For Wall Mounted Fan, Add		74.56	
		For Backdraft Damper, Add		124.53	
		For Damper Motor, Add		194.69	
23 34 16 00-0116	EA	14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....		1,631.67	192.60
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.			
		For Hinged Curb Kit, Add		105.95	
		For Grease Trap Kit, Add		76.41	
		For Totally Enclosed Motor, Add		85.00	
		For 3 Phase Motor, Deduct		-50.00	
		For Bird Screen, Add		48.51	
		For Wall Mounted Fan, Add		65.27	
		For Backdraft Damper, Add		141.17	
		For Damper Motor, Add		194.69	
23 34 16 00-0117	EA	14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....		1,737.50	192.60
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.			
		For Hinged Curb Kit, Add		114.95	
		For Grease Trap Kit, Add		76.41	
		For Totally Enclosed Motor, Add		85.00	
		For 3 Phase Motor, Deduct		-50.00	
		For Bird Screen, Add		48.51	
		For Wall Mounted Fan, Add		69.50	
		For Backdraft Damper, Add		141.17	
		For Damper Motor, Add		194.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0118	EA		16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,195.62		224.70
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Hinged Curb Kit, Add	148.43	
			For Grease Trap Kit, Add	76.41	
			For Totally Enclosed Motor, Add	85.00	
			For 3 Phase Motor, Deduct	-50.00	
			For Bird Screen, Add	48.51	
			For Wall Mounted Fan, Add	87.82	
			For Backdraft Damper, Add	141.17	
			For Damper Motor, Add	194.69	
23 34 16 00-0119	EA		16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,308.80		224.70
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Hinged Curb Kit, Add	158.05	
			For Grease Trap Kit, Add	76.41	
			For Totally Enclosed Motor, Add	85.00	
			For 3 Phase Motor, Deduct	-50.00	
			For Bird Screen, Add	48.51	
			For Wall Mounted Fan, Add	92.35	
			For Backdraft Damper, Add	141.17	
			For Damper Motor, Add	194.69	
23 34 16 00-0120	EA		18" Diameter Wheel, 1/2 HP , 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,512.88		240.74
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Hinged Curb Kit, Add	172.67	
			For Grease Trap Kit, Add	76.41	
			For Totally Enclosed Motor, Add	85.00	
			For 3 Phase Motor, Deduct	-50.00	
			For Bird Screen, Add	80.84	
			For Wall Mounted Fan, Add	100.52	
			For Backdraft Damper, Add	173.14	
			For Damper Motor, Add	194.69	
23 34 16 00-0121	EA		18" Diameter Wheel, 1 HP , 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,689.27		240.74
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Hinged Curb Kit, Add	187.66	
			For Grease Trap Kit, Add	76.41	
			For Totally Enclosed Motor, Add	85.00	
			For 3 Phase Motor, Deduct	-50.00	
			For Bird Screen, Add	80.84	
			For Wall Mounted Fan, Add	107.57	
			For Backdraft Damper, Add	173.14	
			For Damper Motor, Add	194.69	
23 34 16 00-0122	EA		20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,741.96		256.79
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Hinged Curb Kit, Add	189.41	
			For Grease Trap Kit, Add	76.41	
			For Totally Enclosed Motor, Add	85.00	
			For 3 Phase Motor, Deduct	-50.00	
			For Bird Screen, Add	80.84	
			For Wall Mounted Fan, Add	109.68	
			For Backdraft Damper, Add	173.14	
			For Damper Motor, Add	194.69	
23 34 16 00-0123	EA		20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,990.37		256.79
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Hinged Curb Kit, Add	210.53	
			For Grease Trap Kit, Add	76.41	
			For Totally Enclosed Motor, Add	85.00	
			For 3 Phase Motor, Deduct	-50.00	
			For Bird Screen, Add	80.84	
			For Wall Mounted Fan, Add	119.61	
			For Backdraft Damper, Add	173.14	
			For Damper Motor, Add	194.69	
23 34 16 00-0124	EA		24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,439.68		288.89
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Hinged Curb Kit, Add	243.26	
			For Grease Trap Kit, Add	76.41	
			For Totally Enclosed Motor, Add	85.00	
			For 3 Phase Motor, Deduct	-50.00	
			For Bird Screen, Add	95.54	
			For Wall Mounted Fan, Add	137.59	
			For Backdraft Damper, Add	188.07	
			For Damper Motor, Add	194.69	
23 34 16 00-0125	EA		24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,667.51		288.89
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Hinged Curb Kit, Add	262.63	
			For Grease Trap Kit, Add	76.41	
			For Totally Enclosed Motor, Add	85.00	
			For 3 Phase Motor, Deduct	-50.00	
			For Bird Screen, Add	95.54	
			For Wall Mounted Fan, Add	146.70	
			For Backdraft Damper, Add	188.07	
			For Damper Motor, Add	194.69	
23 34 16 00-0126	EA		30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....4,332.90		320.99
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Hinged Curb Kit, Add	313.73	
			For Grease Trap Kit, Add	76.41	
			For Totally Enclosed Motor, Add	85.00	
			For Bird Screen, Add	102.89	
			For Wall Mounted Fan, Add	173.32	
			For Backdraft Damper, Add	208.10	
			For Damper Motor, Add	194.69	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0127	EA		30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	4,407.86	320.99
			<i>For Hinged Curb Kit, Add</i>	320.10	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Bird Screen, Add</i>	102.89	
			<i>For Wall Mounted Fan, Add</i>	176.31	
			<i>For Backdraft Damper, Add</i>	208.10	
			<i>For Damper Motor, Add</i>	194.69	
23 34 16 00-0128	EA		30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	4,788.57	320.99
			<i>For Hinged Curb Kit, Add</i>	352.46	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Bird Screen, Add</i>	102.89	
			<i>For Wall Mounted Fan, Add</i>	191.54	
			<i>For Backdraft Damper, Add</i>	208.10	
			<i>For Damper Motor, Add</i>	194.69	
23 34 16 00-0129	EA		30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	4,972.31	320.99
			<i>For Hinged Curb Kit, Add</i>	368.08	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Bird Screen, Add</i>	102.89	
			<i>For Wall Mounted Fan, Add</i>	198.89	
			<i>For Backdraft Damper, Add</i>	208.10	
			<i>For Damper Motor, Add</i>	194.69	
23 34 16 00-0130	EA		36" Diameter Wheel, 3 HP, 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	5,474.76	353.09
			<i>For Hinged Curb Kit, Add</i>	405.33	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Bird Screen, Add</i>	117.59	
			<i>For Wall Mounted Fan, Add</i>	218.99	
			<i>For Damper Motor, Add</i>	194.69	
			<i>For Backdraft Damper, Add</i>	241.99	
23 34 16 00-0131	EA		36" Diameter Wheel, 5 HP, 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	5,686.05	353.09
			<i>For Hinged Curb Kit, Add</i>	423.29	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Bird Screen, Add</i>	117.59	
			<i>For Wall Mounted Fan, Add</i>	227.44	
			<i>For Damper Motor, Add</i>	194.69	
			<i>For Backdraft Damper, Add</i>	241.99	
23 34 16 00-0132	EA		42" Diameter Wheel, 3 HP, 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.	5,756.15	385.19
			<i>For Hinged Curb Kit, Add</i>	423.80	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Bird Screen, Add</i>	117.59	
			<i>For Damper Motor, Add</i>	194.69	
			<i>For Backdraft Damper, Add</i>	278.28	
23 34 16 00-0133	EA		42" Diameter Wheel, 7-1/2 HP, 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.	6,220.05	385.19
			<i>For Hinged Curb Kit, Add</i>	463.23	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Bird Screen, Add</i>	117.59	
			<i>For Damper Motor, Add</i>	194.69	
			<i>For Backdraft Damper, Add</i>	278.28	
23 34 16 00-0134			<b>Untempered Kitchen Make-Up Air Fans</b> <small>(23 34 16 00-0108)</small> Note: Roof mounted with downblast discharge, weatherhood and filter.		
23 34 16 00-0135			<b>Direct Drive Kitchen Make-Up Air Fans</b> <small>(23 34 16 00-0134)</small>		
23 34 16 00-0136	EA		7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan ..... Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,242.41	166.91
			<i>For Extended Weatherhood, Add</i>	219.71	
23 34 16 00-0137	EA		8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan ..... Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,299.94	166.91
			<i>For Extended Weatherhood, Add</i>	228.34	
23 34 16 00-0138	EA		9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan ..... Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,370.54	166.91
			<i>For Extended Weatherhood, Add</i>	238.93	
23 34 16 00-0139			<b>Belt Drive Kitchen Make-Up Air Fans</b> <small>(23 34 16 00-0134)</small>		
23 34 16 00-0140	EA		9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan ..... Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,397.93	166.91
			<i>For Extended Weatherhood, Add</i>	243.04	
23 34 16 00-0141	EA		10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan ..... Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,592.04	224.70
			<i>For Extended Weatherhood, Add</i>	283.74	
23 34 16 00-0142	EA		12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan ..... Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,909.99	256.79
			<i>For Extended Weatherhood, Add</i>	337.86	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0143	EA		15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	2,229.47 398.62	320.99
23 34 16 00-0144	EA		18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	2,695.88 481.41	385.19
<b>23 34 16 00-0145</b>			<b>Replacement Parts (23 34 16 00-0001)</b>		
<b>23 34 16 00-0146</b>			<b>Replace Belts And Accessories (23 34 16 00-0145)</b>		
23 34 16 00-0147	EA		Fan Shaft Bearing, Replacement.....	735.70	334.64
23 34 16 00-0148	EA		Fan Belt, Replacement.....	117.38	45.38
<b>23 34 16 00-0149</b>			<b>Corrosive Fume Resistant Plastic (23 34 16 00-0001)</b>		
<b>23 34 16 00-0150</b>			<b>Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure (23 34 16 00-0149)</b>		
23 34 16 00-0151	EA		250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	4,533.06 610.43	231.76
23 34 16 00-0152	EA		895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	4,943.44 658.00	278.40
23 34 16 00-0153	EA		1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	5,875.41 776.91	347.99
23 34 16 00-0154	EA		2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	6,372.22 816.55	464.22
23 34 16 00-0155	EA		3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	7,417.01 903.76	695.98
23 34 16 00-0156	EA		11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	12,931.38 1,522.12	1,391.96
23 34 16 00-0157	EA		18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	18,830.78 2,227.68	1,989.81
<b>23 34 16 00-0158</b>			<b>Utility Set, Centrifugal, Belt Drive (23 34 16 00-0149)</b>		
23 34 16 00-0159	EA		1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	4,533.06 610.43	231.76
23 34 16 00-0160	EA		1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	4,679.18 618.36	278.40
23 34 16 00-0161	EA		1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	4,818.38 618.36	347.99
23 34 16 00-0162	EA		2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	5,050.93 618.36	464.22
23 34 16 00-0163	EA		3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	6,994.20 840.34	695.98
23 34 16 00-0164	EA		4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	7,342.20 840.34	869.98
23 34 16 00-0165	EA		4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	7,593.29 840.34	995.53
23 34 16 00-0166	EA		6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	7,795.89 856.19	1,043.97
23 34 16 00-0167	EA		7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	8,080.73 864.12	1,159.92
<b>23 34 16 00-0168</b>			<b>In-Line Duct Fans (23 34 16 00-0001)</b>		
<b>23 34 16 00-0169</b>			<b>Direct Drive In-Line Duct Fans (23 34 16 00-0168)</b>		
			Note: Greenheck SQ.		
23 34 16 00-0170	EA		Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan..... Note: 115V. Includes disconnect switch.	1,216.42	166.91
23 34 16 00-0171	EA		13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan..... Note: 115V. Includes disconnect switch.	1,529.76	179.76
23 34 16 00-0172	EA		14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan..... Note: 115V. Includes disconnect switch.	1,674.12	192.60
<b>23 34 16 00-0173</b>			<b>Belt Drive In-Line Duct Fans (23 34 16 00-0168)</b>		
			Note: Greenheck BSQ.		
23 34 16 00-0174	EA		Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	1,742.78 -50.00 85.00	192.60
23 34 16 00-0175	EA		13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	2,005.50 -50.00 85.00	224.70
23 34 16 00-0176	EA		13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	2,234.63 -50.00 85.00	224.70
23 34 16 00-0177	EA		13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	2,429.42 -50.00 85.00	224.70

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 34 16 00-0178	EA	16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan ..... Note: 115/208-230/60/1. Includes disconnect switch.		2,394.37	256.79
		<i>For 3 Phase Motor, Deduct</i>		-50.00	
		<i>For Totally Enclosed Motor, Add</i>		85.00	
23 34 16 00-0179	EA	16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan ..... Note: 115/208-230/60/1. Includes disconnect switch.		2,724.25	256.79
		<i>For 3 Phase Motor, Deduct</i>		-50.00	
		<i>For Totally Enclosed Motor, Add</i>		85.00	
23 34 16 00-0180	EA	24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan ..... Note: 115/208-230/60/1. Includes disconnect switch.		3,462.39	320.99
		<i>For 3 Phase Motor, Deduct</i>		-50.00	
		<i>For Totally Enclosed Motor, Add</i>		85.00	
23 34 16 00-0181	EA	24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan ..... Note: 230/460/60/3. Includes disconnect switch.		3,644.50	320.99
		<i>For Totally Enclosed Motor, Add</i>		85.00	
23 34 16 00-0182	EA	24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan ..... Note: Belt drive. 230/460/60/3. Includes disconnect switch.		3,772.87	320.99
		<i>For Totally Enclosed Motor, Add</i>		85.00	
23 34 16 00-0183	EA	30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan ..... Note: 230/460/60/3. Includes disconnect switch.		4,373.76	385.19
		<i>For Totally Enclosed Motor, Add</i>		85.00	
23 34 16 00-0184	EA	30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan ..... Note: 230/460/60/3. Includes disconnect switch.		4,526.98	385.19
		<i>For Totally Enclosed Motor, Add</i>		85.00	
23 34 16 00-0185	EA	30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan ..... Note: 230/460/60/3. Includes disconnect switch.		4,715.27	385.19
		<i>For Totally Enclosed Motor, Add</i>		85.00	
<b>23 34 16 00-0186</b>		<b>In-Line Cabinet Fans</b> <small>(23 34 16 00-0001)</small>			
23 34 16 00-0187	EA	950 CFM, 80 Watt, Direct Drive In-Line Cabinet Fan .....		419.82	112.34
23 34 16 00-0188	EA	1,050 CFM, 129 Watt, Direct Drive In-Line Cabinet Fan .....		440.36	112.34
23 34 16 00-0189	EA	1,100 CFM, 173 Watt, Direct Drive In-Line Cabinet Fan .....		468.23	112.34
23 34 16 00-0190	EA	950 CFM, 48.7 Watt, Direct Drive In-Line Cabinet Fan .....		466.76	112.34
23 34 16 00-0191	EA	1,100 CFM, 52.5 Watt, Direct Drive In-Line Cabinet Fan .....		466.76	112.34
23 34 16 00-0192	EA	1,400 CFM, 100 Watt, Direct Drive In-Line Cabinet Fan .....		510.78	112.34
23 34 16 00-0193	EA	900 CFM, 48.2 Watt, Direct Drive In-Line Cabinet Fan .....		602.83	118.76
23 34 16 00-0194	EA	1,000 CFM, 82.7 Watt, Direct Drive In-Line Cabinet Fan .....		525.07	118.76
23 34 16 00-0195	EA	1,050 CFM, 80.7 Watt, Direct Drive In-Line Cabinet Fan .....		554.41	118.76
23 34 16 00-0196	EA	1,350 CFM, 140 Watt, Direct Drive In-Line Cabinet Fan .....		573.49	118.76
23 34 16 00-0197	EA	1,000 CFM, 135 Watt, Direct Drive In-Line Cabinet Fan .....		595.49	118.76
23 34 16 00-0198	EA	1,070 CFM, 217 Watt, Direct Drive In-Line Cabinet Fan .....		595.49	118.76
23 34 16 00-0199	EA	1,100 CFM, 350 Watt, Direct Drive In-Line Cabinet Fan .....		926.68	125.18
23 34 16 00-0200	EA	1,080 CFM, 325 Watt, Direct Drive In-Line Cabinet Fan .....		793.18	125.18
23 34 16 00-0201	EA	1,600 CFM, 405 Watt, Direct Drive In-Line Cabinet Fan .....		793.18	125.18
23 34 16 00-0202	EA	950 CFM, 328 Watt, Direct Drive In-Line Cabinet Fan .....		1,044.05	125.18
23 34 16 00-0203	EA	1,095 CFM, 455 Watt, Direct Drive In-Line Cabinet Fan .....		1,044.05	125.18
23 34 16 00-0204	EA	1,450 CFM, 822 Watt, Direct Drive In-Line Cabinet Fan .....		1,044.05	125.18
23 34 16 00-0205	EA	1,640 CFM, 830 Watt, Direct Drive In-Line Cabinet Fan .....		1,128.04	125.18
<b>23 34 16 00-0206</b>		<b>Propeller And Ceiling Fans</b> <small>(23 34 16)</small>			
<b>23 34 16 00-0207</b>		<b>Direct Drive, Sidewall Propeller Exhaust Fan</b> <small>(23 34 16 00-0206)</small>			
		Note: Greenheck SE1.			
23 34 16 00-0208	EA	1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... Note: Includes motor side guard.		610.09	137.38
		<i>For Backdraft Damper, Add</i>		135.58	
		<i>For Wall Mount Collar, Add</i>		211.37	
23 34 16 00-0209	EA	1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... Note: Includes motor side guard.		651.19	152.79
		<i>For Backdraft Damper, Add</i>		147.09	
		<i>For Wall Mount Collar, Add</i>		211.37	
23 34 16 00-0210	EA	1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... Note: Includes motor side guard.		721.32	169.48
		<i>For Backdraft Damper, Add</i>		162.02	
		<i>For Wall Mount Collar, Add</i>		217.05	
23 34 16 00-0211	EA	1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>		1,014.33	187.45
				192.29	
				221.28	
				177.45	
23 34 16 00-0212	EA	1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>		1,066.52	208.00
				192.29	
				226.98	
				189.02	
23 34 16 00-0213	EA	1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>		1,197.15	231.12
				231.07	
				232.66	
				200.59	
23 34 16 00-0214	EA	1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>		1,362.03	256.79
				231.07	
				236.89	
				216.57	
<b>23 34 16 00-0215</b>		<b>Belt Drive Propeller Exhaust Fans</b> <small>(23 34 16 00-0206)</small>			
		Note: Wall shutter 1/8" static pressure, with birdscreen.			
23 34 16 00-0216	EA	24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter .....		2,004.72	367.21
23 34 16 00-0217	EA	30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter .....		2,301.69	427.56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0218	EA		36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter .....	2,631.39	513.59
23 34 16 00-0219	EA		42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter .....	3,610.79	641.98
23 34 16 00-0220	EA		48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter .....	4,373.00	856.40
23 34 16 00-0221	EA		54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter .....	6,143.04	1,283.96
23 34 16 00-0222	EA		60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter .....	7,449.66	1,646.03
<b>23 34 16 00-0223</b>			<b>Propeller Exhaust Fan Accessories</b> (23 34 16 00-0206)		
23 34 16 00-0224	SF		Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening) .....	105.57	
23 34 16 00-0225	SF		Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening) .....	238.38	
<b>23 34 16 00-0226</b>			<b>Reversible Ceiling Fans</b> (23 34 16 00-0206)		
<b>23 34 16 00-0227</b>			<b>4 Blade Ceiling Fans</b> (23 34 16 00-0226)		
23 34 16 00-0228	EA		42" 4-Blade Ceiling Fan, Three Speed .....	421.86	47.75
			For Brass Plated Motor, Add	20.25	
			For Light Kit, Add	25.80	
<b>23 34 16 00-0229</b>			<b>5 Blade Ceiling Fans</b> (23 34 16 00-0226)		
23 34 16 00-0230	EA		42" 5-Blade Ceiling Fan, Three Speed .....	461.21	118.16
			For Brass Plated Motor, Add	20.25	
			For Light Kit, Add	25.84	
23 34 16 00-0231	EA		52" 5-Blade Ceiling Fan, Three Speed .....	526.20	118.16
			For Brass Plated Motor, Add	20.25	
			For Light Kit, Add	25.94	
<b>23 34 16 00-0232</b>			<b>3 Blade Weatherproof Ceiling Fans</b> (23 34 16 00-0226)		
23 34 16 00-0233	EA		3-Blade Ceiling Fan, Weatherproof, Three Speed .....	495.88	63.56
<b>23 34 16 00-0234</b>			<b>Ceiling Fan Down Rod</b> (23 34 16 00-0226)		
23 34 16 00-0235	EA		1' Ceiling Fan Down Rod .....	17.24	
23 34 16 00-0236	EA		1-1/2' Ceiling Fan Down Rod .....	22.38	
23 34 16 00-0237	EA		2' Ceiling Fan Down Rod .....	24.96	
23 34 16 00-0238	EA		3' Ceiling Fan Down Rod .....	33.23	
23 34 16 00-0239	EA		4' Ceiling Fan Down Rod .....	38.78	
23 34 16 00-0240	EA		5' Ceiling Fan Down Rod .....	47.49	
23 34 16 00-0241	EA		6' Ceiling Fan Down Rod .....	59.22	
<b>23 34 16 00-0242</b>			<b>Exhaust Fans</b> (23 34 16)		
<b>23 34 16 00-0243</b>			<b>Exhaust Fans</b> (23 34 16 00-0242)		
			Note: Excludes ducting.		
<b>23 34 16 00-0244</b>			<b>Light Duty Exhaust Fans</b> (23 34 16 00-0243)		
<b>23 34 16 00-0245</b>			<b>Light Duty Exhaust Fans</b> (23 34 16 00-0244)		
23 34 16 00-0246	EA		50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670) .....	114.03	38.59
23 34 16 00-0247	EA		70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671) .....	120.19	38.59
23 34 16 00-0248	EA		180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505) .....	194.12	38.59
23 34 16 00-0249	EA		350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504) .....	243.56	38.59
23 34 16 00-0250	EA		160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503) .....	218.46	38.59
23 34 16 00-0251	EA		270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502) .....	288.66	38.59
<b>23 34 16 00-0252</b>			<b>Light Duty Exhaust Fans With Lights</b> (23 34 16 00-0244)		
23 34 16 00-0253	EA		50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678) .....	146.97	38.59
23 34 16 00-0254	EA		70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679) .....	162.40	38.59
23 34 16 00-0255	EA		100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680) .....	298.09	38.59
<b>23 34 16 00-0256</b>			<b>Light Duty Exhaust Fans With Heaters</b> (23 34 16 00-0244)		
23 34 16 00-0257	EA		70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162) .....	150.31	38.59
23 34 16 00-0258	EA		70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658) .....	234.91	38.59
<b>23 34 16 00-0259</b>			<b>Light Duty Exhaust Fans With Heaters And Lights</b> (23 34 16 00-0244)		
23 34 16 00-0260	EA		70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655) .....	249.58	38.59
23 34 16 00-0261	EA		100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL) .....	375.50	38.59
<b>23 34 16 00-0262</b>			<b>Heavy Duty/Continuous Operation Exhaust Fans</b> (23 34 16 00-0243)		
<b>23 34 16 00-0263</b>			<b>Heavy Duty/Continuous Operation Exhaust Fans</b> (23 34 16 00-0262)		
			Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0264	EA		50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50) .....	173.61	38.59

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 34 16 00-0265	EA	80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80) .....	191.29		38.59
23 34 16 00-0266	EA	109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG) .....	344.34		38.59
23 34 16 00-0267	EA	157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG) .....	352.53		38.59
23 34 16 00-0268	EA	210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG) .....	378.04		38.59
23 34 16 00-0269	EA	259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG) .....	394.33		38.59
23 34 16 00-0270	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG) .....	400.65		38.59
23 34 16 00-0271	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400) .....	457.58		38.59
23 34 16 00-0272	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500) .....	520.38		38.59
23 34 16 00-0273	EA	701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700) .....	556.15		38.59
23 34 16 00-0274	EA	901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900) .....	660.64		38.59
23 34 16 00-0275	EA	1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500) .....	846.78		38.59
<b>23 34 16 00-0276</b>		<b>Heavy Duty/Continuous Operation Kitchen Exhaust Fans</b> (23 34 16 00-0262) Note: Includes enamel steel or aluminum grille.			
23 34 16 00-0277	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG) .....	357.31		38.59
23 34 16 00-0278	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K) .....	515.68		38.59
23 34 16 00-0279	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K) .....	545.01		38.59
<b>23 34 16 00-0280</b>		<b>Heavy Duty/Continuous Operation Exhaust Fans With Lights</b> (23 34 16 00-0262)			
23 34 16 00-0281	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L) .....	188.09		38.59
23 34 16 00-0282	EA	80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L) .....	204.70		38.59
<b>23 34 16 00-0283</b>		<b>Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans</b> (23 34 16 00-0262)			
23 34 16 00-0284	EA	50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF) .....	195.38		38.59
23 34 16 00-0285	EA	80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF) .....	206.38		38.59
23 34 16 00-0286	EA	110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF) .....	211.68		38.59
<b>23 34 16 00-0287</b>		<b>Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans</b> (23 34 16 00-0243)			
23 34 16 00-0288	EA	900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900) .....	909.38		38.59
23 34 16 00-0289	EA	1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050) .....	909.38		38.59
23 34 16 00-0290	EA	1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410) .....	909.38		38.59
23 34 16 00-0291	EA	1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550) .....	997.29		38.59
<b>23 34 16 00-0292</b>		<b>Room-To-Room Exhaust Fans</b> (23 34 16 00-0243)			
23 34 16 00-0293	EA	90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512) .....	142.82		38.59
23 34 16 00-0294	EA	180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511) .....	232.61		38.59
23 34 16 00-0295	EA	380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510) .....	265.33		38.59
<b>23 34 16 00-0296</b>		<b>Through-Wall Exhaust Fans</b> (23 34 16 00-0243)			
23 34 16 00-0297	EA	250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507) .....	248.23		38.59
23 34 16 00-0298	EA	470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506) .....	293.33		38.59
23 34 16 00-0299	EA	180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509) .....	217.22		38.59
23 34 16 00-0300	EA	270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508) .....	288.66		38.59
23 34 16 00-0301	EA	360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C) .....	500.16		38.59
<b>23 34 16 00-0302</b>		<b>Exhaust Fan Accessories</b> (23 34 16 00-0243)			
<b>23 34 16 00-0303</b>		<b>Exhaust Fan Controls</b> (23 34 16 00-0302)			
23 34 16 00-0304	EA	Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57) .....	136.87		24.12
23 34 16 00-0305	EA	60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59) .....	96.98		24.12
23 34 16 00-0306	EA	60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61) .....	97.93		24.12
<b>23 34 16 00-0307</b>		<b>Roof And Wall Caps For Exhaust Fans</b> (23 34 16 00-0302)			
<b>23 34 16 00-0308</b>		<b>Wall Caps For Exhaust Fans</b> (23 34 16 00-0307)			
23 34 16 00-0309	EA	Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613) .....	262.63		69.72
23 34 16 00-0310	EA	Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643) .....	265.78		69.72

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 34 16 00-0311</b>	<b>Roof Caps For Exhaust Fans</b> (23 34 16 00-0307) Note: Includes flashing and built in bird screen.		
23 34 16 00-0312	EA Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611) .....	230.23	69.72
23 34 16 00-0313	EA Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612) .....	311.78	69.72
23 34 16 00-0314	EA CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636) .....	167.54	69.72
23 34 16 00-0315	EA CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634) .....	192.00	69.72

<b>23 34 16 00-0316</b>	<b>Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan</b> (23 34 16 00-0243) Note: Includes storage and cleaning.		
23 34 16 00-0317	EA Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan .....	96.29	

<b>23 34 16 00-0318</b>	<b>Corrosion Proof Coated Explosion Proof Fans</b> (23 34 16)		
23 34 16 00-0319	EA 1,200 CFM, 1/4 HP, 480 Volt, 3 Phase Centrifugal Fan, Explosion Proof Motor, Backdraft .....	1,639.45	272.84
23 34 16 00-0320	EA 6,500 CFM, 1 HP, 480 Volt, 3 Phase Centrifugal Fan, Explosion Proof Motor, Backdraft .....	5,290.37	512.68

**23 34 23 HVAC Power Ventilators** (23 34)

<b>23 34 23 00-0001</b>	<b>Power Roof Ventilators</b> (23 34 23)		
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<b>23 34 23 00-0002</b>	<b>Direct Drive, Aluminum, Centrifugal Roof Exhausters</b> (23 34 23 00-0001) Note: Greenheck G.		
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23 34 23 00-0003	EA 1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster .....	646.81	183.61
	Note: Three speed motor.		
	For 12" Roof Curb, Add	201.65	
	For Backdraft Damper, Add	114.71	
	For Solid State Speed Control, Add	99.77	
	For Damper Motor, Add	194.69	
23 34 23 00-0004	EA 1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster .....	706.52	208.00
	Note: Three speed motor.		
	For 12" Roof Curb, Add	201.65	
	For Backdraft Damper, Add	114.71	
	For Solid State Speed Control, Add	99.77	
	For Damper Motor, Add	194.69	
23 34 23 00-0005	EA 1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster .....	995.31	242.67
	For 12" Roof Curb, Add	206.05	
	For Backdraft Damper, Add	124.53	
	For Solid State Speed Control, Add	99.77	
	For Damper Motor, Add	194.69	
23 34 23 00-0006	EA 1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster .....	1,028.27	273.48
	For 12" Roof Curb, Add	206.05	
	For Backdraft Damper, Add	124.53	
	For Solid State Speed Control, Add	99.77	
	For Damper Motor, Add	194.69	
23 34 23 00-0007	EA 1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster .....	1,313.33	301.73
	For Solid State Speed Control, Add	99.77	
	For Damper Motor, Add	194.69	
23 34 23 00-0008	EA 1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster .....	1,489.84	320.99
	For 12" Roof Curb, Add	213.40	
	For Backdraft Damper, Add	141.17	
	For Solid State Speed Control, Add	145.33	
	For Damper Motor, Add	194.69	

<b>23 34 23 00-0009</b>	<b>Belt Drive, Aluminum, Centrifugal Roof Exhausters</b> (23 34 23 00-0001) Note: Greenheck GB.		
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23 34 23 00-0010	EA 1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster .....	1,502.18	273.48
	For 12" Roof Curb, Add	206.05	
	For Backdraft Damper, Add	124.53	
	For Damper Motor, Add	194.69	
23 34 23 00-0011	EA 1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster .....	1,635.61	347.95
	For 12" Roof Curb, Add	213.40	
	For Backdraft Damper, Add	141.17	
	For Damper Motor, Add	194.69	
23 34 23 00-0012	EA 1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster .....	2,199.25	414.72
	For 12" Roof Curb, Add	213.40	
	For Backdraft Damper, Add	141.17	
	For Damper Motor, Add	194.69	
23 34 23 00-0013	EA 3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster .....	2,801.17	513.59
	For 12" Roof Curb, Add	248.68	
	For Backdraft Damper, Add	173.14	
	For Damper Motor, Add	194.69	
23 34 23 00-0014	EA 1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster .....	3,685.20	641.98
	For 12" Roof Curb, Add	264.85	
	For Backdraft Damper, Add	188.07	
	For Damper Motor, Add	194.69	
23 34 23 00-0015	EA 1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster .....	4,722.61	802.47
	For 12" Roof Curb, Add	289.84	
	For Backdraft Damper, Add	208.10	
	For Damper Motor, Add	194.69	
23 34 23 00-0016	EA 2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster .....	4,757.89	802.47
	For 12" Roof Curb, Add	289.84	
	For Backdraft Damper, Add	208.10	
	For Damper Motor, Add	194.69	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0017	EA		3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster .....	5,138.59	802.47
			<i>For 12" Roof Curb, Add</i>	289.84	
			<i>For Backdraft Damper, Add</i>	208.10	
			<i>For Damper Motor, Add</i>	194.69	
23 34 23 00-0018	EA		5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster .....	5,285.40	802.47
			<i>For 12" Roof Curb, Add</i>	289.84	
			<i>For Backdraft Damper, Add</i>	208.10	
			<i>For Damper Motor, Add</i>	194.69	
<b>23 34 23 00-0019</b>			<b>Propeller Exhaust Fans, Roof Mounted Upblast</b> (23 34 23 00-0001)		
			Note: Includes back draft damper and birdscreen and curb.		
23 34 23 00-0020	EA		30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure .....	6,623.35	987.36
23 34 23 00-0021	EA		36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure .....	10,630.91	1,283.58
<b>23 34 23 00-0022</b>			<b>Belt Drive Supply Fans</b> (23 34 23 00-0001)		
23 34 23 00-0023	EA		4,500 CFM, 24" x 24" Supply Fan, Roof Mounted .....	2,698.76	512.68
23 34 23 00-0024	EA		10,000 CFM, 36" x 36" Supply Fan, Roof Mounted .....	3,613.40	641.85
<b>23 34 23 00-0025</b>			<b>Fan Thermostat</b> (23 34 23 00-0001)		
23 34 23 00-0026	EA		50 To 120 Degree Line Voltage Fan Thermostat .....	107.03	
<b>23 34 23 00-0027</b>			<b>Power Wall Ventilators</b> (23 34 23)		
<b>23 34 23 00-0028</b>			<b>Centrifugal Sidewall Exhausters</b> (23 34 23 00-0027)		
<b>23 34 23 00-0029</b>			<b>Direct Drive, Aluminum, Centrifugal Sidewall Exhauster</b> (23 34 23 00-0028)		
			Note: Greenheck CW.		
23 34 23 00-0030	EA		1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster .....	860.96	206.71
			<i>For Solid State Speed Control, Add</i>	145.33	
			<i>For Backdraft Damper, Add</i>	146.21	
			<i>For Damper Motor, Add</i>	314.57	
			<i>For Interior Wall Grill, Add</i>	101.01	
23 34 23 00-0031	EA		1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster .....	989.50	242.67
			<i>For Solid State Speed Control, Add</i>	145.33	
			<i>For Backdraft Damper, Add</i>	162.84	
			<i>For Damper Motor, Add</i>	314.57	
			<i>For Interior Wall Grill, Add</i>	119.93	
23 34 23 00-0032	EA		1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster .....	1,450.10	273.48
			<i>For Solid State Speed Control, Add</i>	145.33	
			<i>For Backdraft Damper, Add</i>	184.58	
			<i>For Damper Motor, Add</i>	314.57	
			<i>For Interior Wall Grill, Add</i>	138.85	
<b>23 34 23 00-0033</b>			<b>Belt Drive, Aluminum, Centrifugal Sidewall Exhausters</b> (23 34 23 00-0028)		
			Note: Greenheck CWB.		
23 34 23 00-0034	EA		1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster .....	1,918.56	154.51
			<i>For Solid State Speed Control, Add</i>	145.33	
			<i>For Backdraft Damper, Add</i>	174.95	
			<i>For Damper Motor, Add</i>	314.57	
			<i>For Interior Wall Grill, Add</i>	209.22	
23 34 23 00-0035	EA		1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster .....	2,033.97	174.00
			<i>For Solid State Speed Control, Add</i>	145.33	
			<i>For Backdraft Damper, Add</i>	174.95	
			<i>For Damper Motor, Add</i>	314.57	
			<i>For Interior Wall Grill, Add</i>	209.22	
23 34 23 00-0036	EA		3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster .....	2,488.31	199.05
			<i>For Solid State Speed Control, Add</i>	145.33	
			<i>For Backdraft Damper, Add</i>	216.69	
			<i>For Damper Motor, Add</i>	314.57	
			<i>For Interior Wall Grill, Add</i>	242.83	
<b>23 34 33</b>			<b>Air Curtains</b> (23 34)		
<b>23 34 33 00-0001</b>			<b>Unheated Air Curtains For Entrances</b> (23 34 33)		
<b>23 34 33 00-0002</b>			<b>Unheated Air Curtains, Standard Velocity</b> (23 34 33 00-0001)		
23 34 33 00-0003	EA		Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated .....	2,331.16	941.14
			Note: Includes housing, mounting brackets and manual controls.		
			<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	139.40	
			<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	379.48	
			<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	281.90	
			<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	433.69	
			<i>For Flat Side Extension Plates, Add</i>	129.20	
			<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	258.39	
			<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	310.07	
			<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	327.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0004	EA		Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated.....	2,357.76	941.14
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
			For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add	379.48	
			For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10	281.90	
			For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add	433.69	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0005	EA		Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated.....	2,386.58	941.14
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
			For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add	379.48	
			For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10	281.90	
			For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add	433.69	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0006	EA		Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated.....	2,863.24	941.14
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
			For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add	379.48	
			For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10	281.90	
			For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add	433.69	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0007	EA		Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated.....	3,277.14	1,129.88
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
			For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add	379.48	
			For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10	281.90	
			For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add	433.69	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0008	EA		Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated.....	3,443.42	1,129.88
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
			For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add	379.48	
			For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10	281.90	
			For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add	433.69	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0009	EA		Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated.....	3,839.82	1,303.22
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
			For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add	379.48	
			For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10	281.90	
			For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add	433.69	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0010	EA		Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated.....	4,503.81	1,303.22
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
			For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add	379.48	
			For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10	281.90	
			For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add	433.69	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0011	EA		Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated.....	4,588.05	1,303.22
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
			For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add	379.48	
			For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10	281.90	
			For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add	433.69	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0012	EA		Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated.....	4,811.97	1,303.22
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
			For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add	379.48	
			For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10	281.90	
			For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add	433.69	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0013			<b>Unheated Air Curtains, High Velocity</b> <small>(23 34 33 00-0001)</small>		
23 34 33 00-0014	EA		High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated .....2,772.34		941.14
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
			For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	258.39	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0015	EA		High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated .....2,806.70		941.14
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
			For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	258.39	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0016	EA		High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated .....2,821.11		941.14
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
			For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	258.39	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0017	EA		High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated .....2,848.83		941.14
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
			For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	258.39	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0018	EA		High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated .....4,288.09		1,129.88
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
			For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	258.39	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0019	EA		High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated .....4,458.80		1,129.88
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
			For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	258.39	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0020	EA		High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated .....4,792.02		1,303.22
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
			For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	258.39	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0021	EA		High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated .....5,382.85		1,303.22
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
			For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	258.39	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0022	EA		High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated .....5,444.92		1,303.22
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
			For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	258.39	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0023	EA		High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated .....5,686.58		1,303.22
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
			For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	258.39	
			For Flat Side Extension Plates, Add	129.20	
			For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0024			<b>Service Window Unheated Air Curtains</b> <small>(23 34 33 00-0001)</small>		
			Note: Normal window sizes.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0025	EA		Air Curtain For 2.5' x 5' Service Window, Unheated Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	1,945.15 139.40 129.20 258.39 310.07 327.30	742.13
<b>23 34 33 00-0026 Heated Air Curtains For Entrances (23 34 33)</b>					
Note: Includes housing, mounting brackets and manual controls.					
23 34 33 00-0027	EA		60" Heated Air Curtain With 1- 300 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,891.74 139.40 129.20 258.39 310.07 327.30	828.80
23 34 33 00-0028	EA		60" Heated Air Curtain With 1- 400 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,189.57 139.40 129.20 258.39 310.07 327.30	828.80
23 34 33 00-0029	EA		72" Heated Air Curtain With 1- 350 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,669.27 139.40 129.20 258.39 310.07 327.30	994.43
23 34 33 00-0030	EA		72" Heated Air Curtain With 2- 250 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,026.66 139.40 129.20 258.39 310.07 327.30	994.43
23 34 33 00-0031	EA		96" Heated Air Curtain With 1- 400 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	6,224.59 139.40 129.20 258.39 310.07 327.30	1,325.69
23 34 33 00-0032	EA		96" Heated Air Curtain With 2- 350 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	6,701.12 139.40 129.20 258.39 310.07 327.30	1,325.69
23 34 33 00-0033	EA		117" Heated Air Curtain With 2- 300 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	7,585.06 139.40 129.20 258.39 310.07 327.30	1,615.22
23 34 33 00-0034	EA		117" Heated Air Curtain With 2- 400 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	8,165.83 139.40 129.20 258.39 310.07 327.30	1,615.22
23 34 33 00-0035	EA		147" Heated Air Curtain With 2- 350 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	9,530.67 139.40 129.20 258.39 310.07 327.30	2,029.29
23 34 33 00-0036	EA		147" Heated Air Curtain With 3- 350 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	10,975.15 139.40 129.20 258.39 310.07 327.30	2,029.29
23 34 33 00-0037	EA		168" Heated Air Curtain With 2- 400 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	10,893.04 139.40 129.20 258.39 310.07 327.30	2,319.47
23 34 33 00-0038	EA		168" Heated Air Curtain With 3- 400 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	12,543.52 139.40 129.20 258.39 310.07 327.30	2,319.47
23 34 33 00-0039	EA		192" Heated Air Curtain With 2- 400 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	12,444.81 139.40 129.20 258.39 310.07 327.30	2,650.72

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0040	EA		192" Heated Air Curtain With 4- 350 MBH Heaters.....	14,331.08	2,650.72
			<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	139.40	
			<i>For Flat Side Extension Plates, Add</i>	129.20	
			<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	258.39	
			<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	310.07	
			<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	327.30	
<b>23 35</b>			<b>Special Exhaust Systems <small>(23 30)</small></b>		
			See CSI section 23 31 13 16-0075 for spiral duct/piping.		
<b>23 35 13</b>			<b>Dust Collection Systems <small>(23 35)</small></b>		
<b>23 35 13 13</b>			<b>Sawdust Collection Systems <small>(23 35 13)</small></b>		
<b>23 35 13 13-0001</b>			<b>Dust Collector System <small>(23 35 13 13)</small></b>		
23 35 13 13-0002	EA		1.5 HP Dust Collector Central Vacuum Unit.....	3,991.20	1,113.57
			Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0003	EA		2 HP Dust Collector Central Vacuum Unit.....	4,530.65	1,322.37
			Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0004	EA		2-1/2 HP Dust Collector Central Vacuum Unit.....	5,399.69	1,531.16
			Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0005	EA		3 HP Dust Collector Central Vacuum Unit.....	6,206.80	1,809.55
			Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0006	EA		5 HP Dust Collector Central Vacuum Unit.....	11,587.85	1,980.60
			Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
23 35 13 13-0007	EA		7-1/2 HP Dust Collector Central Vacuum Unit.....	13,992.96	2,310.71
			Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
23 35 13 13-0008	EA		10 HP Dust Collector Central Vacuum Unit.....	16,024.13	2,640.81
			Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
23 35 13 13-0009	EA		15 HP Dust Collector Central Vacuum Unit.....	18,066.48	3,036.93
			Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.		
23 35 13 13-0010	EA		20 HP Dust Collector Central Vacuum Unit.....	20,191.23	3,433.05
			Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.		
<b>23 35 13 13-0011</b>			<b>Vacuum Tubing And Accessories <small>(23 35 13 13)</small></b>		
<b>23 35 13 13-0012</b>			<b>Vacuum Tubing <small>(23 35 13 13-0011)</small></b>		
<b>23 35 13 13-0013</b>			<b>Flexible Hose <small>(23 35 13 13-0012)</small></b>		
23 35 13 13-0014	LF		2" Flexible Hose.....	10.67	2.31
23 35 13 13-0015	LF		3" Flexible Hose.....	12.63	2.57
23 35 13 13-0016	LF		4" Flexible Hose.....	13.74	2.83
<b>23 35 13 13-0017</b>			<b>Galvanized Vacuum Tubing <small>(23 35 13 13-0012)</small></b>		
23 35 13 13-0018	LF		2-1/8" Outside Diameter Vacuum Tubing, Galvanized.....	9.27	2.31
23 35 13 13-0019	LF		2-1/2" Outside Diameter Vacuum Tubing, Galvanized.....	10.29	2.44
23 35 13 13-0020	LF		3" Outside Diameter Vacuum Tubing, Galvanized.....	11.96	2.57
23 35 13 13-0021	LF		3-1/2" Outside Diameter Vacuum Tubing, Galvanized.....	15.07	2.70
23 35 13 13-0022	LF		4" Outside Diameter Vacuum Tubing, Galvanized.....	15.53	2.83
23 35 13 13-0023	LF		5" Outside Diameter Vacuum Tubing, Galvanized.....	24.54	3.21
23 35 13 13-0024	LF		6" Outside Diameter Vacuum Tubing, Galvanized.....	27.70	3.72
23 35 13 13-0025	LF		8" Outside Diameter Vacuum Tubing, Galvanized.....	37.60	5.13
23 35 13 13-0026	LF		10" Outside Diameter Vacuum Tubing, Galvanized.....	44.36	6.42
23 35 13 13-0027	LF		12" Outside Diameter Vacuum Tubing, Galvanized.....	104.66	8.47
<b>23 35 13 13-0028</b>			<b>Vacuum Fittings, Galvanized <small>(23 35 13 13-0011)</small></b>		
<b>23 35 13 13-0029</b>			<b>90 Degree Elbow <small>(23 35 13 13-0028)</small></b>		
23 35 13 13-0030	EA		2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	49.08	14.76
23 35 13 13-0031	EA		2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	58.80	15.79
23 35 13 13-0032	EA		3" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	71.26	17.21
23 35 13 13-0033	EA		3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	82.82	18.62
23 35 13 13-0034	EA		4" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	97.29	20.54
23 35 13 13-0035	EA		5" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	151.88	22.85
23 35 13 13-0036	EA		6" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	197.86	25.68
23 35 13 13-0037	EA		8" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	345.59	34.28
<b>23 35 13 13-0038</b>			<b>45 Degree Elbow <small>(23 35 13 13-0028)</small></b>		
23 35 13 13-0039	EA		2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	46.72	14.76
23 35 13 13-0040	EA		2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	56.86	15.79
23 35 13 13-0041	EA		3" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	64.75	17.21
23 35 13 13-0042	EA		3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	75.47	18.62
23 35 13 13-0043	EA		4" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	90.50	20.54
23 35 13 13-0044	EA		5" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	128.31	22.85
23 35 13 13-0045	EA		6" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	163.21	25.68
23 35 13 13-0046	EA		8" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	287.36	34.28
<b>23 35 13 13-0047</b>			<b>Wye <small>(23 35 13 13-0028)</small></b>		
23 35 13 13-0048	EA		2-1/8" Wye, Vacuum Tubing, Galvanized.....	87.24	24.39
23 35 13 13-0049	EA		2-1/2" Wye, Vacuum Tubing, Galvanized.....	102.30	26.32
23 35 13 13-0050	EA		3" Wye, Vacuum Tubing, Galvanized.....	121.86	28.25

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0051	EA		3-1/2" Wye, Vacuum Tubing, Galvanized .....	145.18	31.46
23 35 13 13-0052	EA		4" Wye, Vacuum Tubing, Galvanized.....	187.53	34.02
23 35 13 13-0053	EA		5" Wye, Vacuum Tubing, Galvanized.....	300.69	37.88
23 35 13 13-0054	EA		6" Wye, Vacuum Tubing, Galvanized.....	392.20	43.01
23 35 13 13-0055	EA		8" Wye, Vacuum Tubing, Galvanized.....	743.87	46.86
23 35 13 13-0056	EA		10" Wye, Vacuum Tubing, Galvanized.....	1,019.15	51.36
23 35 13 13-0057	EA		12" Wye, Vacuum Tubing, Galvanized.....	1,281.70	57.52
<b>23 35 13 13-0058</b>			<b>Reducer</b> <small>(23 35 13 13-0028)</small>		
23 35 13 13-0059	EA		3" Reducer, Vacuum Tubing, Galvanized .....	52.26	17.21
23 35 13 13-0060	EA		4" Reducer, Vacuum Tubing, Galvanized.....	57.79	18.62
23 35 13 13-0061	EA		5" Reducer, Vacuum Tubing, Galvanized.....	70.52	20.54
23 35 13 13-0062	EA		6" Reducer, Vacuum Tubing, Galvanized.....	76.62	22.85
23 35 13 13-0063	EA		8" Reducer, Vacuum Tubing, Galvanized.....	88.79	25.68
<b>23 35 13 13-0064</b>			<b>Air Gate Valve, Galvanized</b> <small>(23 35 13 13-0011)</small>		
23 35 13 13-0065	EA		2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized.....	293.08	34.28
23 35 13 13-0066	EA		2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized.....	307.60	36.59
23 35 13 13-0067	EA		3" Air Gate Valve, Vacuum Tubing, Galvanized.....	351.54	39.42
23 35 13 13-0068	EA		3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized.....	397.47	42.11
23 35 13 13-0069	EA		4" Air Gate Valve, Vacuum Tubing, Galvanized.....	446.42	44.68
23 35 13 13-0070	EA		5" Air Gate Valve, Vacuum Tubing, Galvanized.....	525.59	50.97
23 35 13 13-0071	EA		6" Air Gate Valve, Vacuum Tubing, Galvanized.....	603.67	57.14
<b>23 35 16</b>			<b>Engine Exhaust Systems</b> <small>(23 35)</small>		
<b>23 35 16 16</b>			<b>Mechanical Engine Exhaust Systems</b> <small>(23 35 16)</small>		
23 35 16 16-0001			Overhead Tailpipe Exhaust System <small>(23 35 16 16)</small>		
23 35 16 16-0002			Overhead Tailpipe Exhaust Blowers <small>(23 35 16 16-0001)</small>		
23 35 16 16-0003			Overhead Direct Drive Tailpipe Exhaust Blowers <small>(23 35 16 16-0002)</small>		
23 35 16 16-0004	EA		495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	2,790.22	273.48
23 35 16 16-0005	EA		1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	3,400.57	558.52
23 35 16 16-0006	EA		1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	4,661.32	676.65
23 35 16 16-0007			Overhead Belt Drive Tailpipe Exhaust Blowers <small>(23 35 16 16-0002)</small>		
23 35 16 16-0008	EA		1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	3,317.26	558.52
23 35 16 16-0009	EA		2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	3,591.22	676.65
23 35 16 16-0010	EA		2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	4,483.56	1,070.82
23 35 16 16-0011	EA		4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	5,536.93	1,381.54
23 35 16 16-0012	EA		7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	6,928.15	1,646.03
23 35 16 16-0013			Spiral Exhaust Duct Accessories <small>(23 35 16 16-0001)</small>		
23 35 16 16-0014			Flex Hose x Length <small>(23 35 16 16-0013)</small>		
			Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0015	EA		3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	173.02	68.05
23 35 16 16-0016	EA		3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	155.73	68.05
23 35 16 16-0017	EA		4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	268.05	107.86
23 35 16 16-0018	EA		4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	239.16	107.86
23 35 16 16-0019	EA		5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	395.51	170.77
23 35 16 16-0020	EA		5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	385.17	170.77
23 35 16 16-0021	EA		6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	612.34	270.92
23 35 16 16-0022	EA		6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	590.59	270.92
23 35 16 16-0023			Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter <small>(23 35 16 16-0013)</small>		
23 35 16 16-0024	EA		4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	186.81	68.05
23 35 16 16-0025	EA		5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	278.12	107.86
23 35 16 16-0026	EA		4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	166.90	68.05
23 35 16 16-0027	EA		5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	248.57	107.86
23 35 16 16-0028	EA		6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	1,117.87	91.67
23 35 16 16-0029	EA		8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	1,047.27	168.20
23 35 16 16-0030	EA		10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	1,140.91	168.20
23 35 16 16-0031	LF		8" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	57.38	13.09
23 35 16 16-0032	LF		10" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	63.13	13.09
23 35 16 16-0033			Flexible Hose <small>(23 35 16 16-0013)</small>		
23 35 16 16-0034	LF		3" Stainless Steel Flexible Tubing.....	26.95	3.21
23 35 16 16-0035	LF		4" Stainless Steel Flexible Tubing.....	33.82	3.59
23 35 16 16-0036	LF		5" Stainless Steel Flexible Tubing.....	39.77	3.72
23 35 16 16-0037	LF		6" Stainless Steel Flexible Tubing.....	46.51	3.98
23 35 16 16-0038	LF		3" Galvanized Flexible Tubing.....	17.86	3.21
23 35 16 16-0039	LF		4" Galvanized Flexible Tubing.....	20.80	3.59
23 35 16 16-0040	LF		5" Galvanized Flexible Tubing.....	23.60	3.72
23 35 16 16-0041	LF		6" Galvanized Flexible Tubing.....	26.16	3.98

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 35 Special Exhaust Systems**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 35 16 16-0042</b>			<b>Accessories</b> <small>(23 35 16 16-0001)</small>		
23 35 16 16-0043	EA		3" Tail Pipe Adapter .....	47.84	9.63
23 35 16 16-0044	EA		4" Tail Pipe Adapter .....	48.98	9.63
23 35 16 16-0045	EA		5" Tail Pipe Adapter .....	52.70	10.92
23 35 16 16-0046	EA		3" Bullnose (Guide) .....	27.45	6.42
23 35 16 16-0047	EA		4" Bullnose (Guide) .....	29.37	7.06
23 35 16 16-0048	EA		5" Bullnose (Guide) .....	31.48	7.71
23 35 16 16-0049	EA		Flex-Hose Winch And Associated Hardware .....	222.51	72.80
23 35 16 16-0050	LF		Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope.....	0.10	
<b>23 35 19</b>			<b>Fume Exhaust Systems</b> <small>(23 35)</small>		
23 35 19 00-0001	EA		Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle .....	2,196.06	513.19
23 35 19 00-0002	EA		Hose Extension Kit 5' .....	422.12	114.01
<b>23 36</b>			<b>Air Terminal Units</b> <small>(23 30)</small>		
<b>23 36 13</b>			<b>Constant-Air-Volume Units</b> <small>(23 36)</small>		
<b>23 36 13 00-0001</b>			<b>Vertical Units, With Electric Heating Coils</b> <small>(23 36 13)</small>		
23 36 13 00-0002	EA		60 CFM Vertical Induction Unit, With Electric Heating Coils .....	1,331.63	132.33
23 36 13 00-0003	EA		90 CFM Vertical Induction Unit, With Electric Heating Coils .....	1,598.26	142.51
23 36 13 00-0004	EA		120 CFM Vertical Induction Unit, With Electric Heating Coils .....	1,704.15	147.61
23 36 13 00-0005	EA		150 CFM Vertical Induction Unit, With Electric Heating Coils .....	1,820.22	157.78
23 36 13 00-0006	EA		175 CFM Vertical Induction Unit, With Electric Heating Coils .....	2,049.94	162.87
<b>23 36 13 00-0007</b>			<b>Horizontal Units, With Electric Heating Coils</b> <small>(23 36 13)</small>		
23 36 13 00-0008	EA		60 CFM Horizontal Induction Unit, With Electric Heating Coils .....	1,134.71	132.33
23 36 13 00-0009	EA		90 CFM Horizontal Induction Unit, With Electric Heating Coils .....	1,351.99	142.51
23 36 13 00-0010	EA		120 CFM Horizontal Induction Unit, With Electric Heating Coils .....	1,608.80	150.15
<b>23 36 13 00-0011</b>			<b>Duct Boxes, Constant Volume Control</b> <small>(23 36 13)</small>		
<b>23 36 13 00-0012</b>			<b>Single Duct Boxes, Constant Volume Control</b> <small>(23 36 13 00-0011)</small>		
23 36 13 00-0013	EA		4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control .....	633.81	52.89
			<i>For Boxes With Motor, Add</i> .....	20.00	
23 36 13 00-0014	EA		6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control .....	699.25	57.07
			<i>For Boxes With Motor, Add</i> .....	20.00	
23 36 13 00-0015	EA		7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control .....	735.96	62.64
			<i>For Boxes With Motor, Add</i> .....	20.00	
23 36 13 00-0016	EA		9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control .....	753.37	65.42
			<i>For Boxes With Motor, Add</i> .....	20.00	
23 36 13 00-0017	EA		12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control.....	780.37	72.38
			<i>For Boxes With Motor, Add</i> .....	20.00	
23 36 13 00-0018	EA		14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control.....	889.78	80.73
			<i>For Boxes With Motor, Add</i> .....	20.00	
23 36 13 00-0019	EA		16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control.....	948.40	90.48
			<i>For Boxes With Motor, Add</i> .....	20.00	
23 36 13 00-0020	EA		20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control .....	1,038.38	108.58
			<i>For Boxes With Motor, Add</i> .....	20.00	
23 36 13 00-0021	EA		24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control .....	1,128.18	125.28
			<i>For Boxes With Motor, Add</i> .....	20.00	
<b>23 36 13 00-0022</b>			<b>Dual Duct Boxes, Constant Volume Control</b> <small>(23 36 13 00-0011)</small>		
23 36 13 00-0023	EA		4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control .....	833.76	52.89
			<i>For Boxes With Motor, Add</i> .....	20.00	
23 36 13 00-0024	EA		6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control.....	894.94	57.07
			<i>For Boxes With Motor, Add</i> .....	20.00	
23 36 13 00-0025	EA		7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control .....	942.76	62.64
			<i>For Boxes With Motor, Add</i> .....	20.00	
23 36 13 00-0026	EA		9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control .....	982.21	65.42
			<i>For Boxes With Motor, Add</i> .....	20.00	
23 36 13 00-0027	EA		12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control .....	1,009.21	72.38
			<i>For Boxes With Motor, Add</i> .....	20.00	
23 36 13 00-0028	EA		14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control .....	1,156.06	82.13
			<i>For Boxes With Motor, Add</i> .....	20.00	
23 36 13 00-0029	EA		16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control .....	1,268.72	90.48
			<i>For Boxes With Motor, Add</i> .....	20.00	
23 36 13 00-0030	EA		20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control.....	1,394.50	108.58
			<i>For Boxes With Motor, Add</i> .....	20.00	
23 36 13 00-0031	EA		24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control.....	1,489.98	125.28
			<i>For Boxes With Motor, Add</i> .....	20.00	
<b>23 36 16</b>			<b>Variable-Air-Volume Units</b> <small>(23 36)</small>		
<b>23 36 16 00-0001</b>			<b>Variable Volume Terminal Unit</b> <small>(23 36 16)</small>		
			Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.		
<b>23 36 16 00-0002</b>			<b>Single Duct Variable Volume Terminal Unit</b> <small>(23 36 16 00-0001)</small>		
			Note: Enclosure only. For mounting DDC controls.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0003	EA		6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only.....	528.21	64.03
			Note: For mounting DDC controls		
			For Filters And Frames, Add	6.30	
23 36 16 00-0004	EA		8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only.....	592.70	72.38
			Note: For mounting DDC controls		
			For Filters And Frames, Add	6.30	
23 36 16 00-0005	EA		10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only.....	661.42	80.73
			Note: For mounting DDC controls		
			For Filters And Frames, Add	6.30	
23 36 16 00-0006	EA		12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only.....	711.30	90.48
			Note: For mounting DDC controls		
			For Filters And Frames, Add	6.30	
23 36 16 00-0007	EA		14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only.....	974.81	194.74
			Note: For mounting DDC controls		
			For Filters And Frames, Add	6.30	
23 36 16 00-0008	EA		16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only.....	1,215.08	231.07
			Note: For mounting DDC controls		
			For Filters And Frames, Add	6.30	
<b>23 36 16 00-0009</b>			<b>Single Duct Variable Volume Terminal Unit</b> (23 36 16 00-0001)		
			Note: With pneumatic controls.		
23 36 16 00-0010	EA		6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller.....	1,010.73	64.03
			For Fan Powered Variable Air Volume Box, Add	991.83	
			For Filters And Frames, Add	6.30	
			For Pressure Independent Actuator, Add	67.57	
			For Hot Water Coils, Add	40.55	
23 36 16 00-0011	EA		8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller.....	1,097.86	72.38
			For Fan Powered Variable Air Volume Box, Add	1,063.31	
			For Filters And Frames, Add	6.30	
			For Pressure Independent Actuator, Add	67.57	
			For Hot Water Coils, Add	40.55	
23 36 16 00-0012	EA		10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller.....	1,157.87	80.73
			For Fan Powered Variable Air Volume Box, Add	1,098.20	
			For Filters And Frames, Add	6.30	
			For Pressure Independent Actuator, Add	67.57	
			For Hot Water Coils, Add	40.55	
23 36 16 00-0013	EA		12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller.....	1,216.46	90.48
			For Fan Powered Variable Air Volume Box, Add	1,130.99	
			For Filters And Frames, Add	6.30	
			For Pressure Independent Actuator, Add	67.57	
			For Hot Water Coils, Add	40.55	
23 36 16 00-0014	EA		14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller.....	1,432.93	194.74
			For Fan Powered Variable Air Volume Box, Add	1,273.91	
			For Filters And Frames, Add	6.30	
			For Pressure Independent Actuator, Add	67.57	
			For Hot Water Coils, Add	40.55	
23 36 16 00-0015	EA		16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller.....	1,711.53	231.07
			For Fan Powered Variable Air Volume Box, Add	1,392.28	
			For Filters And Frames, Add	6.30	
			For Pressure Independent Actuator, Add	67.57	
			For Hot Water Coils, Add	40.55	
<b>23 36 16 00-0016</b>			<b>Single Duct Variable Volume Terminal Unit</b> (23 36 16 00-0001)		
			Note: With analog electronic controls.		
23 36 16 00-0017	EA		6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls.....	1,611.70	64.03
			For Filters And Frames, Add	6.30	
			For Hot Water Coils, Add	40.55	
23 36 16 00-0018	EA		8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls.....	1,684.89	72.38
			For Filters And Frames, Add	6.30	
			For Hot Water Coils, Add	40.55	
23 36 16 00-0019	EA		10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls.....	1,753.61	80.73
			For Filters And Frames, Add	6.30	
			For Hot Water Coils, Add	40.55	
23 36 16 00-0020	EA		12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls.....	1,845.29	90.48
			For Filters And Frames, Add	6.30	
			For Hot Water Coils, Add	40.55	
23 36 16 00-0021	EA		14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls.....	2,063.51	194.74
			For Filters And Frames, Add	6.30	
			For Hot Water Coils, Add	40.55	
23 36 16 00-0022	EA		16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls.....	2,098.35	194.74
			For Filters And Frames, Add	6.30	
			For Hot Water Coils, Add	40.55	
<b>23 36 16 00-0023</b>			<b>Dual Duct Variable Volume Terminal Unit</b> (23 36 16 00-0001)		
			Note: With flow control installation, plenum system power box, thermostat.		
23 36 16 00-0024	EA		6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct.....	1,132.74	126.53
			For Filters And Frames, Add	6.30	
23 36 16 00-0025	EA		8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct.....	1,242.62	144.07
			For Filters And Frames, Add	6.30	
23 36 16 00-0026	EA		10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct.....	1,336.18	162.72
			For Filters And Frames, Add	6.30	
23 36 16 00-0027	EA		12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct.....	1,467.49	181.51
			For Filters And Frames, Add	6.30	
23 36 16 00-0028	EA		14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct.....	1,652.99	208.79
			For Filters And Frames, Add	6.30	
23 36 16 00-0029	EA		16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct.....	1,830.09	250.55
			For Filters And Frames, Add	6.30	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 36 Air Terminal Units**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 36 16 00-0030	Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) <small>(23 36 16 00-0001)</small>		
23 36 16 00-0031	EA 0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A) .....	559.01	87.00
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0032	EA 0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B) .....	608.58	95.70
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0033	EA 0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C) .....	659.18	104.40
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0034	EA 0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D) .....	710.89	113.09
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0035	EA 0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E) .....	763.80	121.79
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0036	EA 0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F) .....	817.95	130.50
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0037	EA 0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G) .....	876.95	139.20
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0038	EA 0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H) .....	934.16	147.90
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0039	EA 0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J) .....	992.95	156.59
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0040	EA 0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K) .....	1,053.40	165.29
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0041	EA 0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L) .....	1,115.66	174.00
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0042	EA 0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) .....	1,179.83	182.70
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0043	EA 0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N) .....	1,246.06	191.40
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0044	EA 0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P) .....	1,309.74	200.09
	<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0045	EA 0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R) .....	1,380.19	208.79
	<i>For Filters And Frames, Add</i>	6.30	

23 37 Air Outlets and Inlets (23 30)

**23 37 13 Diffusers, Registers, and Grilles (23 37)**

**23 37 13 13 Diffusers, Registers, and Grilles (23 37 13)**

23 37 13 13-0001	Ceiling Diffusers <small>(23 37 13 13)</small>		
23 37 13 13-0002	Ceiling Diffusers With Perforated Face <small>(23 37 13 13-0001)</small>		
	Note: Flush mount, aluminum construction, includes damper.		
23 37 13 13-0003	EA 6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	110.50	18.10
	<i>For Stainless Steel, Add</i>	97.28	
	<i>For Surface Mount, Deduct</i>	-4.67	
	<i>For Steel Construction, Deduct</i>	-5.84	
	<i>For Diffuser Without Damper, Deduct</i>	-7.78	
23 37 13 13-0004	EA 8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	119.14	18.10
	<i>For Stainless Steel, Add</i>	118.88	
	<i>For Surface Mount, Deduct</i>	-5.71	
	<i>For Steel Construction, Deduct</i>	-7.13	
	<i>For Diffuser Without Damper, Deduct</i>	-9.51	
23 37 13 13-0005	EA 9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	119.14	18.10
	<i>For Stainless Steel, Add</i>	118.88	
	<i>For Surface Mount, Deduct</i>	-5.71	
	<i>For Steel Construction, Deduct</i>	-7.13	
	<i>For Diffuser Without Damper, Deduct</i>	-9.51	
23 37 13 13-0006	EA 10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	143.31	22.27
	<i>For Stainless Steel, Add</i>	142.30	
	<i>For Surface Mount, Deduct</i>	-6.83	
	<i>For Steel Construction, Deduct</i>	-8.54	
	<i>For Diffuser Without Damper, Deduct</i>	-11.38	
23 37 13 13-0007	EA 12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	143.31	20.88
	<i>For Stainless Steel, Add</i>	142.30	
	<i>For Surface Mount, Deduct</i>	-6.83	
	<i>For Steel Construction, Deduct</i>	-8.54	
	<i>For Diffuser Without Damper, Deduct</i>	-11.38	
23 37 13 13-0008	EA 16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	159.16	20.88
	<i>For Stainless Steel, Add</i>	181.93	
	<i>For Surface Mount, Deduct</i>	-8.73	
	<i>For Steel Construction, Deduct</i>	-10.92	
	<i>For Diffuser Without Damper, Deduct</i>	-14.55	
23 37 13 13-0009	EA 18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	186.72	27.84
	<i>For Stainless Steel, Add</i>	195.63	
	<i>For Surface Mount, Deduct</i>	-9.39	
	<i>For Steel Construction, Deduct</i>	-11.74	
	<i>For Diffuser Without Damper, Deduct</i>	-15.65	
23 37 13 13-0010	EA 20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	211.59	29.23
	<i>For Stainless Steel, Add</i>	244.25	
	<i>For Surface Mount, Deduct</i>	-11.72	
	<i>For Steel Construction, Deduct</i>	-14.66	
	<i>For Diffuser Without Damper, Deduct</i>	-19.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0011	EA		24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	241.22	33.41
			<i>For Stainless Steel, Add</i>	271.63	
			<i>For Surface Mount, Deduct</i>	-13.04	
			<i>For Steel Construction, Deduct</i>	-16.30	
			<i>For Diffuser Without Damper, Deduct</i>	-21.73	
			<i>For Lay-In Mount, Deduct</i>	-13.04	
<b>23 37 13 13-0012</b>			<b>Ceiling Diffusers With Louver Face</b> <small>(23 37 13 13-0001)</small>		
			Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.		
23 37 13 13-0013	EA		6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	113.38	18.10
			<i>For Stainless Steel, Add</i>	104.48	
			<i>For Steel Construction, Deduct</i>	-6.27	
			<i>For Flush Mount, Add</i>	6.27	
23 37 13 13-0014	EA		8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	124.62	18.10
			<i>For Stainless Steel, Add</i>	132.58	
			<i>For Steel Construction, Deduct</i>	-7.95	
			<i>For Flush Mount, Add</i>	7.95	
23 37 13 13-0015	EA		9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	124.62	18.10
			<i>For Stainless Steel, Add</i>	132.58	
			<i>For Steel Construction, Deduct</i>	-7.95	
			<i>For Flush Mount, Add</i>	7.95	
23 37 13 13-0016	EA		10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	149.79	20.88
			<i>For Stainless Steel, Add</i>	158.50	
			<i>For Steel Construction, Deduct</i>	-9.51	
			<i>For Flush Mount, Add</i>	9.51	
23 37 13 13-0017	EA		12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	149.79	22.27
			<i>For Stainless Steel, Add</i>	158.50	
			<i>For Steel Construction, Deduct</i>	-9.51	
			<i>For Flush Mount, Add</i>	9.51	
23 37 13 13-0018	EA		24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	191.94	27.84
			<i>For Stainless Steel, Add</i>	207.50	
			<i>For Steel Construction, Deduct</i>	-12.45	
			<i>For Flush Mount, Add</i>	12.45	
23 37 13 13-0019	EA		14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	176.67	27.84
			<i>For Stainless Steel, Add</i>	169.33	
			<i>For Steel Construction, Deduct</i>	-10.16	
			<i>For Flush Mount, Add</i>	10.16	
23 37 13 13-0020	EA		18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	218.76	33.41
			<i>For Stainless Steel, Add</i>	217.23	
			<i>For Steel Construction, Deduct</i>	-13.03	
			<i>For Flush Mount, Add</i>	13.03	
23 37 13 13-0021	EA		21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	247.11	37.58
			<i>For Stainless Steel, Add</i>	270.18	
			<i>For Steel Construction, Deduct</i>	-16.21	
			<i>For Flush Mount, Add</i>	16.21	
23 37 13 13-0022	EA		24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	268.00	73.64
			<i>For Stainless Steel, Add</i>	301.53	
			<i>For Steel Construction, Deduct</i>	-18.09	
			<i>For Lay-In Mount, Add</i>	24.12	
			<i>For Flush Mount, Add</i>	18.09	
<b>23 37 13 13-0023</b>			<b>Round Ceiling Diffusers With Fixed Pattern</b> <small>(23 37 13 13-0001)</small>		
			Note: Aluminum construction.		
23 37 13 13-0024	EA		6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	165.13	18.10
			<i>For Stainless Steel, Add</i>	233.85	
			<i>For Steel Construction, Deduct</i>	-28.06	
23 37 13 13-0025	EA		8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	169.92	18.10
			<i>For Stainless Steel, Add</i>	245.83	
			<i>For Steel Construction, Deduct</i>	-29.50	
23 37 13 13-0026	EA		10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	194.32	22.27
			<i>For Stainless Steel, Add</i>	269.83	
			<i>For Steel Construction, Deduct</i>	-32.38	
23 37 13 13-0027	EA		12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	206.31	20.88
			<i>For Stainless Steel, Add</i>	299.80	
			<i>For Steel Construction, Deduct</i>	-35.98	
23 37 13 13-0028	EA		14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	284.89	25.06
			<i>For Stainless Steel, Add</i>	461.68	
			<i>For Steel Construction, Deduct</i>	-55.40	
23 37 13 13-0029	EA		16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	299.86	26.45
			<i>For Stainless Steel, Add</i>	488.65	
			<i>For Steel Construction, Deduct</i>	-58.64	
23 37 13 13-0030	EA		18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	315.20	27.84
			<i>For Stainless Steel, Add</i>	515.65	
			<i>For Steel Construction, Deduct</i>	-61.88	
23 37 13 13-0031	EA		20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	359.05	27.84
			<i>For Stainless Steel, Add</i>	612.90	
			<i>For Steel Construction, Deduct</i>	-73.55	
23 37 13 13-0032	EA		24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	423.74	32.01
			<i>For Stainless Steel, Add</i>	746.15	
			<i>For Steel Construction, Deduct</i>	-89.54	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0033	EA		28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction.....	472.97	33.41
			<i>For Stainless Steel, Add</i>	852.75	
			<i>For Steel Construction, Deduct</i>	-102.33	
23 37 13 13-0034	EA		32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction.....	560.44	37.58
			<i>For Stainless Steel, Add</i>	1,032.63	
			<i>For Steel Construction, Deduct</i>	-123.92	
<b>23 37 13 13-0035</b>			<b>Round Ceiling Diffusers With Adjustable Pattern Dropped Style (23 37 13 13-0001)</b>		
			Note: Aluminum construction.		
23 37 13 13-0036	EA		6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	172.32	18.10
			<i>For Stainless Steel, Add</i>	251.83	
			<i>For Flush Mount, Deduct</i>	-5.04	
			<i>For Steel Construction, Deduct</i>	-10.07	
23 37 13 13-0037	EA		8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	184.71	18.10
			<i>For Stainless Steel, Add</i>	282.80	
			<i>For Flush Mount, Deduct</i>	-5.66	
			<i>For Steel Construction, Deduct</i>	-11.31	
23 37 13 13-0038	EA		10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	211.64	22.27
			<i>For Stainless Steel, Add</i>	313.13	
			<i>For Flush Mount, Deduct</i>	-6.26	
			<i>For Steel Construction, Deduct</i>	-12.53	
23 37 13 13-0039	EA		12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	225.49	22.27
			<i>For Stainless Steel, Add</i>	347.75	
			<i>For Flush Mount, Deduct</i>	-6.96	
			<i>For Steel Construction, Deduct</i>	-13.91	
23 37 13 13-0040	EA		14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	316.07	25.06
			<i>For Stainless Steel, Add</i>	539.63	
			<i>For Flush Mount, Deduct</i>	-10.79	
			<i>For Steel Construction, Deduct</i>	-21.59	
23 37 13 13-0041	EA		16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	241.08	26.45
			<i>For Stainless Steel, Add</i>	576.60	
			<i>For Flush Mount, Deduct</i>	-11.53	
			<i>For Steel Construction, Deduct</i>	-23.06	
23 37 13 13-0042	EA		18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	354.37	27.84
			<i>For Stainless Steel, Add</i>	613.58	
			<i>For Flush Mount, Deduct</i>	-12.27	
			<i>For Steel Construction, Deduct</i>	-24.54	
23 37 13 13-0043	EA		20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	405.69	29.23
			<i>For Stainless Steel, Add</i>	729.50	
			<i>For Flush Mount, Deduct</i>	-14.59	
			<i>For Steel Construction, Deduct</i>	-29.18	
23 37 13 13-0044	EA		24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	456.78	32.01
			<i>For Stainless Steel, Add</i>	828.75	
			<i>For Flush Mount, Deduct</i>	-16.58	
			<i>For Steel Construction, Deduct</i>	-33.15	
23 37 13 13-0045	EA		28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	544.92	33.41
			<i>For Stainless Steel, Add</i>	1,032.63	
			<i>For Flush Mount, Deduct</i>	-20.65	
			<i>For Steel Construction, Deduct</i>	-41.31	
23 37 13 13-0046	EA		32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	651.31	37.58
			<i>For Stainless Steel, Add</i>	1,259.80	
			<i>For Flush Mount, Deduct</i>	-25.20	
			<i>For Steel Construction, Deduct</i>	-50.39	
23 37 13 13-0047	EA		36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	718.61	78.37
			<i>For Stainless Steel, Add</i>	1,405.05	
<b>23 37 13 13-0048</b>			<b>Linear Type Ceiling Diffusers With 2-Way Air Deflection (23 37 13 13-0001)</b>		
23 37 13 13-0049	LF		4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection.....	144.04	20.88
			<i>For Stainless Steel, Add</i>	151.30	
23 37 13 13-0050	LF		6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection.....	152.27	20.88
			<i>For Stainless Steel, Add</i>	171.88	
23 37 13 13-0051	LF		9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection.....	162.40	20.88
			<i>For Stainless Steel, Add</i>	197.20	
23 37 13 13-0052	LF		12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection.....	172.26	20.88
			<i>For Stainless Steel, Add</i>	221.85	
<b>23 37 13 13-0053</b>			<b>Wall And Floor Diffusers (23 37 13 13)</b>		
<b>23 37 13 13-0054</b>			<b>Slot Type Linear Diffusers (23 37 13 13-0053)</b>		
			Note: For sidewall sill or ceiling 1/2" 3/4" or 1" slot spacing 1-1/8" border.		
23 37 13 13-0055	LF		1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	49.22	6.96
			<i>For Floor Mounted Diffusers, Add</i>	6.00	
			<i>For Stainless Steel, Add</i>	25.99	
			<i>For 3/4" Border, Add</i>	5.00	
23 37 13 13-0056	LF		2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling.....	58.65	8.35
			<i>For Floor Mounted Diffusers, Add</i>	8.00	
			<i>For Stainless Steel, Add</i>	34.65	
			<i>For 3/4" Border, Add</i>	6.66	
23 37 13 13-0057	LF		3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling.....	78.18	9.75
			<i>For Floor Mounted Diffusers, Add</i>	12.59	
			<i>For Stainless Steel, Add</i>	54.56	
			<i>For 3/4" Border, Add</i>	10.49	
23 37 13 13-0058	LF		4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling.....	100.31	9.75
			<i>For Floor Mounted Diffusers, Add</i>	17.99	
			<i>For Stainless Steel, Add</i>	77.95	
			<i>For 3/4" Border, Add</i>	14.99	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0059	LF		5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling..... <i>For Floor Mounted Diffusers, Add</i> <i>For Stainless Steel, Add</i> <i>For 3/4" Border, Add</i>	123.92 23.39 101.34 19.49	11.14
23 37 13 13-0060	LF		6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling..... <i>For Floor Mounted Diffusers, Add</i> <i>For Stainless Steel, Add</i> <i>For 3/4" Border, Add</i>	144.79 27.58 119.52 22.99	13.92
<b>23 37 13 13-0061 Linear Bar Grilles And Registers</b> <small>(23 37 13 13-0053)</small>					
Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.					
23 37 13 13-0062	LF		2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling..... <i>For Stainless Steel, Add</i> <i>For Floor Mount, Add</i> <i>For Opposed Blade Damper, Add</i>	128.60 125.58 9.66 19.32	8.35
23 37 13 13-0063	LF		3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling..... <i>For Stainless Steel, Add</i> <i>For Floor Mount, Add</i> <i>For Opposed Blade Damper, Add</i>	152.80 151.57 11.66 23.32	9.75
23 37 13 13-0064	LF		4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling..... <i>For Stainless Steel, Add</i> <i>For Floor Mount, Add</i> <i>For Opposed Blade Damper, Add</i>	166.93 164.55 12.66 25.32	9.75
23 37 13 13-0065	LF		6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling..... <i>For Stainless Steel, Add</i> <i>For Floor Mount, Add</i> <i>For Opposed Blade Damper, Add</i>	206.08 199.20 15.32 30.65	13.92
23 37 13 13-0066	LF		9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling..... <i>For Stainless Steel, Add</i> <i>For Floor Mount, Add</i> <i>For Opposed Blade Damper, Add</i>	284.17 277.15 21.32 42.64	18.10
23 37 13 13-0067	LF		12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling..... <i>For Stainless Steel, Add</i> <i>For Floor Mount, Add</i> <i>For Opposed Blade Damper, Add</i>	329.55 316.11 24.32 48.63	20.88
<b>23 37 13 13-0068 Return/Exhaust Registers And Grilles</b> <small>(23 37 13 13)</small>					
<b>23 37 13 13-0069 Return/Exhaust Registers With Frame</b> <small>(23 37 13 13-0068)</small>					
Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.					
23 37 13 13-0070	EA		8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Grilles (No Damper), Deduct</i> <i>For Steel Construction, Deduct</i> <i>For Cube Core With Frame, Add</i> <i>For Removable Core, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	96.83 -21.45 -10.73 5.36 35.00 10.73 134.08	11.14
23 37 13 13-0071	EA		8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Grilles (No Damper), Deduct</i> <i>For Steel Construction, Deduct</i> <i>For Cube Core With Frame, Add</i> <i>For Removable Core, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	108.49 -26.12 -13.06 6.53 35.00 13.06 163.23	11.14
23 37 13 13-0072	EA		10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Grilles (No Damper), Deduct</i> <i>For Steel Construction, Deduct</i> <i>For Cube Core With Frame, Add</i> <i>For Removable Core, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	122.39 -28.91 -14.46 7.23 35.00 14.46 180.70	12.52
23 37 13 13-0073	EA		10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Grilles (No Damper), Deduct</i> <i>For Steel Construction, Deduct</i> <i>For Cube Core With Frame, Add</i> <i>For Removable Core, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	130.55 -28.91 -14.46 7.23 35.00 14.46 180.70	13.92
23 37 13 13-0074	EA		12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Grilles (No Damper), Deduct</i> <i>For Steel Construction, Deduct</i> <i>For Cube Core With Frame, Add</i> <i>For Removable Core, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	125.89 -27.05 -13.52 6.76 35.00 13.52 169.05	13.92
23 37 13 13-0075	EA		12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Grilles (No Damper), Deduct</i> <i>For Steel Construction, Deduct</i> <i>For Cube Core With Frame, Add</i> <i>For Removable Core, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	160.20 -35.44 -17.72 8.86 35.00 17.72 221.53	18.10
23 37 13 13-0076	EA		16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Grilles (No Damper), Deduct</i> <i>For Steel Construction, Deduct</i> <i>For Cube Core With Frame, Add</i> <i>For Removable Core, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	192.18 -42.32 -21.16 10.58 35.00 21.16 264.48	20.88

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 37 Air Outlets and Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13	13-0077	EA	18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	233.12	25.06
			<i>For Grilles (No Damper), Deduct</i>	-53.16	
			<i>For Steel Construction, Deduct</i>	-26.58	
			<i>For Cube Core With Frame, Add</i>	13.29	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core Lay In, Add</i>	26.58	
			<i>For Stainless Steel, Add</i>	332.25	
23 37 13	13-0078	EA	20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	269.89	27.84
			<i>For Grilles (No Damper), Deduct</i>	-64.38	
			<i>For Steel Construction, Deduct</i>	-32.19	
			<i>For Cube Core With Frame, Add</i>	16.10	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core Lay In, Add</i>	32.19	
			<i>For Stainless Steel, Add</i>	402.38	
23 37 13	13-0079	EA	24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	248.51	27.84
			<i>For Grilles (No Damper), Deduct</i>	-53.85	
			<i>For Steel Construction, Deduct</i>	-26.92	
			<i>For Cube Core With Frame, Add</i>	13.46	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core Lay In, Add</i>	26.92	
			<i>For Stainless Steel, Add</i>	336.55	
23 37 13	13-0080	EA	24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	277.11	27.84
			<i>For Grilles (No Damper), Deduct</i>	-65.29	
			<i>For Steel Construction, Deduct</i>	-32.64	
			<i>For Cube Core With Frame, Add</i>	16.32	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core Lay In, Add</i>	32.64	
			<i>For Stainless Steel, Add</i>	408.05	
23 37 13	13-0081	EA	24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	294.45	32.01
			<i>For Grilles (No Damper), Deduct</i>	-67.67	
			<i>For Steel Construction, Deduct</i>	-33.83	
			<i>For Cube Core With Frame, Add</i>	16.92	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core Lay In, Add</i>	33.83	
			<i>For Stainless Steel, Add</i>	422.93	
23 37 13	13-0082	EA	30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	311.65	33.41
			<i>For Grilles (No Damper), Deduct</i>	-71.91	
			<i>For Steel Construction, Deduct</i>	-35.96	
			<i>For Cube Core With Frame, Add</i>	17.98	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core Lay In, Add</i>	35.96	
			<i>For Stainless Steel, Add</i>	449.45	
23 37 13	13-0083	EA	30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	357.23	37.58
			<i>For Grilles (No Damper), Deduct</i>	-83.94	
			<i>For Steel Construction, Deduct</i>	-41.97	
			<i>For Cube Core With Frame, Add</i>	20.98	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core Lay In, Add</i>	41.97	
			<i>For Stainless Steel, Add</i>	524.60	
23 37 13	13-0084	EA	30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	406.06	44.55
			<i>For Grilles (No Damper), Deduct</i>	-90.84	
			<i>For Steel Construction, Deduct</i>	-45.42	
			<i>For Cube Core With Frame, Add</i>	22.71	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core Lay In, Add</i>	45.42	
			<i>For Stainless Steel, Add</i>	567.73	
23 37 13	13-0085	EA	30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	504.79	44.55
			<i>For Grilles (No Damper), Deduct</i>	-130.33	
			<i>For Steel Construction, Deduct</i>	-65.16	
			<i>For Cube Core With Frame, Add</i>	32.58	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core Lay In, Add</i>	65.16	
			<i>For Stainless Steel, Add</i>	814.55	
23 37 13	13-0086	EA	36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	438.07	48.72
			<i>For Grilles (No Damper), Deduct</i>	-98.13	
			<i>For Steel Construction, Deduct</i>	-49.07	
			<i>For Cube Core With Frame, Add</i>	24.53	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core Lay In, Add</i>	49.07	
			<i>For Stainless Steel, Add</i>	613.33	
23 37 13	13-0087	EA	36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	428.69	47.33
			<i>For Grilles (No Damper), Deduct</i>	-94.38	
			<i>For Steel Construction, Deduct</i>	-47.19	
			<i>For Cube Core With Frame, Add</i>	23.60	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core Lay In, Add</i>	47.19	
			<i>For Stainless Steel, Add</i>	589.88	
23 37 13	13-0088	EA	36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	483.57	52.89
			<i>For Grilles (No Damper), Deduct</i>	-109.91	
			<i>For Steel Construction, Deduct</i>	-54.96	
			<i>For Cube Core With Frame, Add</i>	27.48	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core Lay In, Add</i>	54.96	
			<i>For Stainless Steel, Add</i>	686.95	
23 37 13	13-0089	EA	36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	632.19	57.07
			<i>For Grilles (No Damper), Deduct</i>	-161.76	
			<i>For Steel Construction, Deduct</i>	-80.88	
			<i>For Cube Core With Frame, Add</i>	40.44	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core Lay In, Add</i>	80.88	
			<i>For Stainless Steel, Add</i>	1,011.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0090	EA		24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	292.08	32.15
			<i>For Grilles (No Damper), Deduct</i>	-65.45	
			<i>For Steel Construction, Deduct</i>	-32.72	
			<i>For Cube Core With Frame, Add</i>	16.36	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core Lay In, Add</i>	32.72	
			<i>For Stainless Steel, Add</i>	409.05	
23 37 13 13-0091	EA		32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	526.67	56.93
			<i>For Grilles (No Damper), Deduct</i>	-119.56	
			<i>For Steel Construction, Deduct</i>	-59.78	
			<i>For Cube Core With Frame, Add</i>	29.89	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core Lay In, Add</i>	59.78	
			<i>For Stainless Steel, Add</i>	747.23	
23 37 13 13-0092	EA		48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	551.76	55.68
			<i>For Grilles (No Damper), Deduct</i>	-137.19	
			<i>For Steel Construction, Deduct</i>	-68.59	
			<i>For Cube Core With Frame, Add</i>	34.30	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core Lay In, Add</i>	68.59	
			<i>For Stainless Steel, Add</i>	857.43	
<b>23 37 13 13-0093 Return/Exhaust Registers Removable-Reversible (23 37 13 13-0068)</b>					
Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.					
23 37 13 13-0094	EA		8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	90.77	11.14
			<i>For Grilles (No Damper), Deduct</i>	-9.51	
			<i>For Flat Frame, Deduct</i>	-0.48	
			<i>For Steel Construction, Deduct</i>	-4.76	
			<i>For Stainless Steel, Add</i>	118.93	
23 37 13 13-0095	EA		8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	90.77	11.14
			<i>For Grilles (No Damper), Deduct</i>	-9.51	
			<i>For Flat Frame, Deduct</i>	-0.48	
			<i>For Steel Construction, Deduct</i>	-4.76	
			<i>For Stainless Steel, Add</i>	118.93	
23 37 13 13-0096	EA		10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	110.27	12.52
			<i>For Grilles (No Damper), Deduct</i>	-12.03	
			<i>For Flat Frame, Deduct</i>	-0.60	
			<i>For Steel Construction, Deduct</i>	-6.02	
			<i>For Stainless Steel, Add</i>	150.40	
23 37 13 13-0097	EA		10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	126.82	15.31
			<i>For Grilles (No Damper), Deduct</i>	-13.71	
			<i>For Flat Frame, Deduct</i>	-0.69	
			<i>For Steel Construction, Deduct</i>	-6.86	
			<i>For Stainless Steel, Add</i>	171.38	
23 37 13 13-0098	EA		12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	125.42	13.92
			<i>For Grilles (No Damper), Deduct</i>	-13.43	
			<i>For Flat Frame, Deduct</i>	-0.67	
			<i>For Steel Construction, Deduct</i>	-6.72	
			<i>For Stainless Steel, Add</i>	167.88	
23 37 13 13-0099	EA		12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	161.13	18.10
			<i>For Grilles (No Damper), Deduct</i>	-17.91	
			<i>For Flat Frame, Deduct</i>	-0.90	
			<i>For Steel Construction, Deduct</i>	-8.95	
			<i>For Stainless Steel, Add</i>	223.85	
23 37 13 13-0100	EA		16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	248.21	22.27
			<i>For Grilles (No Damper), Deduct</i>	-32.36	
			<i>For Flat Frame, Deduct</i>	-1.62	
			<i>For Steel Construction, Deduct</i>	-16.18	
			<i>For Stainless Steel, Add</i>	404.55	
23 37 13 13-0101	EA		18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	297.48	25.06
			<i>For Grilles (No Damper), Deduct</i>	-39.45	
			<i>For Flat Frame, Deduct</i>	-1.97	
			<i>For Steel Construction, Deduct</i>	-19.73	
			<i>For Stainless Steel, Add</i>	493.15	
23 37 13 13-0102	EA		20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	334.18	27.84
			<i>For Grilles (No Damper), Deduct</i>	-45.05	
			<i>For Flat Frame, Deduct</i>	-2.25	
			<i>For Steel Construction, Deduct</i>	-22.52	
			<i>For Stainless Steel, Add</i>	563.10	
23 37 13 13-0103	EA		24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	287.37	27.84
			<i>For Grilles (No Damper), Deduct</i>	-34.70	
			<i>For Flat Frame, Deduct</i>	-1.73	
			<i>For Steel Construction, Deduct</i>	-17.35	
			<i>For Stainless Steel, Add</i>	433.70	
23 37 13 13-0104	EA		24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	371.31	29.23
			<i>For Grilles (No Damper), Deduct</i>	-51.48	
			<i>For Flat Frame, Deduct</i>	-2.57	
			<i>For Steel Construction, Deduct</i>	-25.74	
			<i>For Stainless Steel, Add</i>	643.55	
23 37 13 13-0105	EA		24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	430.27	32.01
			<i>For Grilles (No Damper), Deduct</i>	-61.00	
			<i>For Flat Frame, Deduct</i>	-3.05	
			<i>For Steel Construction, Deduct</i>	-30.50	
			<i>For Stainless Steel, Add</i>	762.48	
23 37 13 13-0106	EA		30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	344.52	33.41
			<i>For Grilles (No Damper), Deduct</i>	-42.53	
			<i>For Flat Frame, Deduct</i>	-2.13	
			<i>For Steel Construction, Deduct</i>	-21.27	
			<i>For Stainless Steel, Add</i>	531.63	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

HUMBOLDT STATE UNIVERSITY

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 37 13 13-0107	EA	30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	460.77	37.58
		<i>For Grilles (No Damper), Deduct</i>	-62.68	
		<i>For Flat Frame, Deduct</i>	-3.13	
		<i>For Steel Construction, Deduct</i>	-31.34	
		<i>For Stainless Steel, Add</i>	783.45	
23 37 13 13-0108	EA	30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	555.31	44.55
		<i>For Grilles (No Damper), Deduct</i>	-75.27	
		<i>For Flat Frame, Deduct</i>	-3.76	
		<i>For Steel Construction, Deduct</i>	-37.63	
		<i>For Stainless Steel, Add</i>	940.85	
23 37 13 13-0109	EA	30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	625.96	44.55
		<i>For Grilles (No Damper), Deduct</i>	-89.40	
		<i>For Flat Frame, Deduct</i>	-4.47	
		<i>For Steel Construction, Deduct</i>	-44.70	
		<i>For Stainless Steel, Add</i>	1,117.48	
23 37 13 13-0110	EA	36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	454.36	47.33
		<i>For Grilles (No Damper), Deduct</i>	-52.32	
		<i>For Flat Frame, Deduct</i>	-2.62	
		<i>For Steel Construction, Deduct</i>	-26.16	
		<i>For Stainless Steel, Add</i>	654.05	
23 37 13 13-0111	EA	36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	588.67	47.33
		<i>For Grilles (No Damper), Deduct</i>	-79.19	
		<i>For Flat Frame, Deduct</i>	-3.96	
		<i>For Steel Construction, Deduct</i>	-39.59	
		<i>For Stainless Steel, Add</i>	989.83	
23 37 13 13-0112	EA	36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	676.07	52.89
		<i>For Grilles (No Damper), Deduct</i>	-93.46	
		<i>For Flat Frame, Deduct</i>	-4.67	
		<i>For Steel Construction, Deduct</i>	-46.73	
		<i>For Stainless Steel, Add</i>	1,168.20	
23 37 13 13-0113	EA	36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	783.89	57.07
		<i>For Grilles (No Damper), Deduct</i>	-111.22	
		<i>For Flat Frame, Deduct</i>	-5.56	
		<i>For Steel Construction, Deduct</i>	-55.61	
		<i>For Stainless Steel, Add</i>	1,390.28	
23 37 13 13-0114	EA	36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	823.07	57.07
		<i>For Grilles (No Damper), Deduct</i>	-119.06	
		<i>For Flat Frame, Deduct</i>	-5.95	
		<i>For Steel Construction, Deduct</i>	-59.53	
		<i>For Stainless Steel, Add</i>	1,488.23	

**23 37 13 13-0115 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles (23 37 13 13-0068)**

23 37 13 13-0116	EA	6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	57.10	13.61
23 37 13 13-0117	EA	8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	57.10	13.61
23 37 13 13-0118	EA	8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	60.74	13.61
23 37 13 13-0119	EA	8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	62.19	13.61
23 37 13 13-0120	EA	10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	60.74	13.61
23 37 13 13-0121	EA	10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	62.19	13.61
23 37 13 13-0122	EA	10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	76.49	17.85
23 37 13 13-0123	EA	10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	77.94	17.85
23 37 13 13-0124	EA	12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	75.03	17.85
23 37 13 13-0125	EA	12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	77.94	17.85
23 37 13 13-0126	EA	12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	79.40	17.85
23 37 13 13-0127	EA	12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	80.85	17.85
23 37 13 13-0128	EA	14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	78.67	17.85
23 37 13 13-0129	EA	14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	81.58	17.85
23 37 13 13-0130	EA	14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	83.04	17.85
23 37 13 13-0131	EA	14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	89.58	17.85
23 37 13 13-0132	EA	16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	81.58	17.85
23 37 13 13-0133	EA	16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	86.67	17.85
23 37 13 13-0134	EA	16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	89.58	17.85
23 37 13 13-0135	EA	16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	118.90	26.32
23 37 13 13-0136	EA	16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	120.36	26.32
23 37 13 13-0137	EA	18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	117.45	26.32
23 37 13 13-0138	EA	18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	141.93	30.56
23 37 13 13-0139	EA	20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	115.99	26.32
23 37 13 13-0140	EA	20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	149.21	30.56
23 37 13 13-0141	EA	22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	80.13	17.85
23 37 13 13-0142	EA	22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	117.45	26.32
23 37 13 13-0143	EA	22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	167.87	34.80
23 37 13 13-0144	EA	24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	115.99	26.32
23 37 13 13-0145	EA	24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	118.90	26.32
23 37 13 13-0146	EA	24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	137.56	30.56
		<i>For Lay-In Installation, Deduct</i>	-64.41	
23 37 13 13-0147	EA	24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	141.93	30.56
23 37 13 13-0148	EA	24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	159.14	34.80
23 37 13 13-0149	EA	24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	163.50	34.80
23 37 13 13-0150	EA	24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	168.60	34.80
23 37 13 13-0151	EA	24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	178.05	34.80
		<i>For Lay-In Installation, Deduct</i>	-73.76	
23 37 13 13-0152	EA	30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	139.75	30.56
23 37 13 13-0153	EA	48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	213.78	38.13
23 37 13 13-0154	EA	48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	344.97	46.61
		<i>For Lay-In Installation, Deduct</i>	-106.15	

**23 37 13 13-0155 Supply Registers and Grilles (23 37 13 13)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 37 13 13-0156		<b>Adjustable Curved Blade Register</b> <small>(23 37 13 13-0156)</small>			
Note: Ceiling mount aluminum construction four way pattern flush frame.					
23 37 13 13-0157	EA	6" x 6"	Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	83.90	11.14
			<i>For Lay In Frame, Deduct</i>	-10.19	
			<i>For Grille (No Damper), Deduct</i>	-6.12	
			<i>For One Way Pattern, Deduct</i>	-3.26	
			<i>For Steel Construction, Deduct</i>	-6.12	
			<i>For Two Way Pattern, Deduct</i>	-3.26	
			<i>For Three Way Pattern, Deduct</i>	-4.08	
			<i>For Stainless Steel, Add</i>	101.93	
23 37 13 13-0158	EA	8" x 8"	Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	86.30	11.14
			<i>For Lay In Frame, Deduct</i>	-10.79	
			<i>For Grille (No Damper), Deduct</i>	-6.48	
			<i>For One Way Pattern, Deduct</i>	-3.45	
			<i>For Steel Construction, Deduct</i>	-6.48	
			<i>For Two Way Pattern, Deduct</i>	-3.45	
			<i>For Three Way Pattern, Deduct</i>	-4.32	
			<i>For Stainless Steel, Add</i>	107.93	
23 37 13 13-0159	EA	12" x 6"	Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	99.18	15.31
			<i>For Lay In Frame, Deduct</i>	-10.19	
			<i>For Grille (No Damper), Deduct</i>	-6.12	
			<i>For One Way Pattern, Deduct</i>	-3.26	
			<i>For Steel Construction, Deduct</i>	-6.12	
			<i>For Two Way Pattern, Deduct</i>	-3.26	
			<i>For Three Way Pattern, Deduct</i>	-4.08	
			<i>For Stainless Steel, Add</i>	101.93	
23 37 13 13-0160	EA	10" x 10"	Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	107.98	13.92
			<i>For Lay In Frame, Deduct</i>	-12.39	
			<i>For Grille (No Damper), Deduct</i>	-7.44	
			<i>For One Way Pattern, Deduct</i>	-3.97	
			<i>For Steel Construction, Deduct</i>	-7.44	
			<i>For Two Way Pattern, Deduct</i>	-3.97	
			<i>For Three Way Pattern, Deduct</i>	-4.96	
			<i>For Stainless Steel, Add</i>	123.93	
23 37 13 13-0161	EA	12" x 12"	Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	130.14	18.10
			<i>For Lay In Frame, Deduct</i>	-14.79	
			<i>For Grille (No Damper), Deduct</i>	-8.87	
			<i>For One Way Pattern, Deduct</i>	-4.73	
			<i>For Steel Construction, Deduct</i>	-8.87	
			<i>For Two Way Pattern, Deduct</i>	-4.73	
			<i>For Three Way Pattern, Deduct</i>	-5.92	
			<i>For Stainless Steel, Add</i>	147.90	
23 37 13 13-0162	EA	14" x 14"	Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	159.94	20.88
			<i>For Lay In Frame, Deduct</i>	-18.39	
			<i>For Grille (No Damper), Deduct</i>	-11.03	
			<i>For One Way Pattern, Deduct</i>	-5.88	
			<i>For Steel Construction, Deduct</i>	-11.03	
			<i>For Two Way Pattern, Deduct</i>	-5.88	
			<i>For Three Way Pattern, Deduct</i>	-7.36	
			<i>For Stainless Steel, Add</i>	183.88	
23 37 13 13-0163	EA	16" x 16"	Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	159.94	20.88
			<i>For Lay In Frame, Deduct</i>	-18.39	
			<i>For Grille (No Damper), Deduct</i>	-11.03	
			<i>For One Way Pattern, Deduct</i>	-5.88	
			<i>For Steel Construction, Deduct</i>	-11.03	
			<i>For Two Way Pattern, Deduct</i>	-5.88	
			<i>For Three Way Pattern, Deduct</i>	-7.36	
			<i>For Stainless Steel, Add</i>	183.88	
23 37 13 13-0164	EA	18" x 18"	Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	198.01	27.84
			<i>For Lay In Frame, Deduct</i>	-22.39	
			<i>For Grille (No Damper), Deduct</i>	-13.43	
			<i>For One Way Pattern, Deduct</i>	-7.16	
			<i>For Steel Construction, Deduct</i>	-13.43	
			<i>For Two Way Pattern, Deduct</i>	-7.16	
			<i>For Three Way Pattern, Deduct</i>	-8.95	
			<i>For Stainless Steel, Add</i>	223.85	
23 37 13 13-0165	EA	24" x 24"	Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	249.00	29.23
			<i>For Lay In Frame, Deduct</i>	-33.78	
			<i>For Grille (No Damper), Deduct</i>	-20.27	
			<i>For One Way Pattern, Deduct</i>	-10.81	
			<i>For Steel Construction, Deduct</i>	-20.27	
			<i>For Two Way Pattern, Deduct</i>	-10.81	
			<i>For Three Way Pattern, Deduct</i>	-13.51	
			<i>For Stainless Steel, Add</i>	337.78	
23 37 13 13-0166	EA	30" x 30"	Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	377.47	59.02
			<i>For Lay In Frame, Deduct</i>	-64.86	
			<i>For Grille (No Damper), Deduct</i>	-38.91	
			<i>For One Way Pattern, Deduct</i>	-20.75	
			<i>For Steel Construction, Deduct</i>	-38.91	
			<i>For Two Way Pattern, Deduct</i>	-20.75	
			<i>For Three Way Pattern, Deduct</i>	-25.94	
			<i>For Stainless Steel, Add</i>	648.55	

23 37 13 13-0167		<b>Removable-Reversible Core Registers</b> <small>(23 37 13 13-0167)</small>			
Note: Double deflection radiused frame aluminum construction.					
23 37 13 13-0168	EA	6" x 6"	Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	94.29	11.14
			<i>For Grille (No Damper), Deduct</i>	-15.35	
			<i>For Flat Frame, Deduct</i>	-5.12	
			<i>For Steel Construction, Deduct</i>	-5.12	
			<i>For Stainless Steel, Add</i>	127.90	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 37 Air Outlets and Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0169	EA		8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	115.08	11.14
			<i>For Grille (No Damper), Deduct</i>	-21.59	
			<i>For Flat Frame, Deduct</i>	-7.20	
			<i>For Steel Construction, Deduct</i>	-7.20	
			<i>For Stainless Steel, Add</i>	179.88	
23 37 13 13-0170	EA		12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	147.95	15.31
			<i>For Grille (No Damper), Deduct</i>	-26.86	
			<i>For Flat Frame, Deduct</i>	-8.95	
			<i>For Steel Construction, Deduct</i>	-8.95	
			<i>For Stainless Steel, Add</i>	223.85	
23 37 13 13-0171	EA		10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	149.55	15.31
			<i>For Grille (No Damper), Deduct</i>	-27.34	
			<i>For Flat Frame, Deduct</i>	-9.11	
			<i>For Steel Construction, Deduct</i>	-9.11	
			<i>For Stainless Steel, Add</i>	227.85	
23 37 13 13-0172	EA		12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	189.30	18.10
			<i>For Grille (No Damper), Deduct</i>	-35.50	
			<i>For Flat Frame, Deduct</i>	-11.83	
			<i>For Steel Construction, Deduct</i>	-11.83	
			<i>For Stainless Steel, Add</i>	295.80	
23 37 13 13-0173	EA		14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	263.87	22.27
			<i>For Grille (No Damper), Deduct</i>	-53.24	
			<i>For Flat Frame, Deduct</i>	-17.75	
			<i>For Steel Construction, Deduct</i>	-17.75	
			<i>For Stainless Steel, Add</i>	443.70	
23 37 13 13-0174	EA		16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	292.65	20.88
			<i>For Grille (No Damper), Deduct</i>	-61.88	
			<i>For Flat Frame, Deduct</i>	-20.63	
			<i>For Steel Construction, Deduct</i>	-20.63	
			<i>For Stainless Steel, Add</i>	515.65	
23 37 13 13-0175	EA		18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	354.70	27.84
			<i>For Grille (No Damper), Deduct</i>	-73.87	
			<i>For Flat Frame, Deduct</i>	-24.62	
			<i>For Steel Construction, Deduct</i>	-24.62	
			<i>For Stainless Steel, Add</i>	615.58	
23 37 13 13-0176	EA		24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	438.46	27.84
			<i>For Grille (No Damper), Deduct</i>	-97.37	
			<i>For Flat Frame, Deduct</i>	-32.46	
			<i>For Steel Construction, Deduct</i>	-32.46	
			<i>For Stainless Steel, Add</i>	811.43	
23 37 13 13-0177			<b>Supply Grille, Aluminum Drum With Aluminum Border</b> <small>(23 37 13 13-0155)</small>		
			Note: Titus DL.		
23 37 13 13-0178	EA		9" x 6" Supply Grille, Aluminum Drum .....	79.16	21.58
			<i>For Stainless Steel, Add</i>	90.10	
23 37 13 13-0179	EA		12" x 6" Supply Grille, Aluminum Drum .....	110.08	29.23
			<i>For Stainless Steel, Add</i>	129.20	
23 37 13 13-0180	EA		18" x 6" Supply Grille, Aluminum Drum .....	118.85	29.23
			<i>For Stainless Steel, Add</i>	151.13	
23 37 13 13-0181	EA		24" x 6" Supply Grille, Aluminum Drum .....	134.51	35.49
			<i>For Stainless Steel, Add</i>	158.85	
23 37 13 13-0182	EA		30" x 6" Supply Grille, Aluminum Drum .....	169.93	43.29
			<i>For Stainless Steel, Add</i>	208.85	
23 37 13 13-0183	EA		36" x 6" Supply Grille, Aluminum Drum .....	198.67	43.29
			<i>For Stainless Steel, Add</i>	280.70	
23 37 13 13-0184	EA		48" x 6" Supply Grille, Aluminum Drum .....	239.57	54.28
			<i>For Stainless Steel, Add</i>	327.80	
23 37 13 13-0185	EA		20" x 10" Supply Grille, Aluminum Drum .....	138.75	35.49
			<i>For Stainless Steel, Add</i>	169.45	
23 37 13 13-0186	EA		25" x 10" Supply Grille, Aluminum Drum .....	154.06	43.15
			<i>For Stainless Steel, Add</i>	169.45	
23 37 13 13-0187	EA		30" x 10" Supply Grille, Aluminum Drum .....	211.84	54.28
			<i>For Stainless Steel, Add</i>	258.23	
23 37 13 13-0188	EA		35" x 10" Supply Grille, Aluminum Drum .....	241.21	58.46
			<i>For Stainless Steel, Add</i>	310.78	
23 37 13 13-0189	EA		40" x 10" Supply Grille, Aluminum Drum .....	267.43	61.24
			<i>For Stainless Steel, Add</i>	362.43	
23 37 13 13-0190	EA		20" x 12" Supply Grille, Aluminum Drum .....	156.37	38.28
			<i>For Stainless Steel, Add</i>	199.58	
23 37 13 13-0191	EA		30" x 12" Supply Grille, Aluminum Drum .....	229.18	55.68
			<i>For Stainless Steel, Add</i>	294.65	
23 37 13 13-0192	EA		40" x 12" Supply Grille, Aluminum Drum .....	288.85	62.64
			<i>For Stainless Steel, Add</i>	409.00	
23 37 13 13-0193	EA		15" x 15" Supply Grille, Aluminum Drum .....	167.06	43.15
			<i>For Stainless Steel, Add</i>	201.95	
23 37 13 13-0194	EA		20" x 15" Supply Grille, Aluminum Drum .....	185.85	45.93
			<i>For Stainless Steel, Add</i>	235.00	
23 37 13 13-0195	EA		25" x 15" Supply Grille, Aluminum Drum .....	218.04	53.59
			<i>For Stainless Steel, Add</i>	277.23	
23 37 13 13-0196	EA		30" x 15" Supply Grille, Aluminum Drum .....	244.08	57.07
			<i>For Stainless Steel, Add</i>	324.93	
23 37 13 13-0197	EA		40" x 15" Supply Grille, Aluminum Drum .....	292.22	64.03
			<i>For Stainless Steel, Add</i>	410.50	
23 37 13 13-0198			<b>Adjustable Shutter Blade Registers</b> <small>(23 37 13 13-0155)</small>		
			Note: Double deflection flat frame aluminum construction.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0199	EA		6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	136.40	11.14
			For Grille (No Damper), Deduct	-13.99	
			For Single Deflection, Deduct	-18.65	
			For Steel Construction, Deduct	-9.33	
			For Stainless Steel, Add	233.18	
23 37 13 13-0200	EA		8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	155.05	11.14
			For Grille (No Damper), Deduct	-16.79	
			For Single Deflection, Deduct	-22.38	
			For Steel Construction, Deduct	-11.19	
			For Stainless Steel, Add	279.80	
23 37 13 13-0201	EA		12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	170.33	15.31
			For Grille (No Damper), Deduct	-16.79	
			For Single Deflection, Deduct	-22.38	
			For Steel Construction, Deduct	-11.19	
			For Stainless Steel, Add	279.80	
23 37 13 13-0202	EA		10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	175.66	13.92
			For Grille (No Damper), Deduct	-17.59	
			For Single Deflection, Deduct	-23.45	
			For Steel Construction, Deduct	-11.73	
			For Stainless Steel, Add	293.13	
23 37 13 13-0203	EA		12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	214.88	18.10
			For Grille (No Damper), Deduct	-21.59	
			For Single Deflection, Deduct	-28.78	
			For Steel Construction, Deduct	-14.39	
			For Stainless Steel, Add	359.75	
23 37 13 13-0204	EA		14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	283.59	20.88
			For Grille (No Damper), Deduct	-29.58	
			For Single Deflection, Deduct	-39.44	
			For Steel Construction, Deduct	-19.72	
			For Stainless Steel, Add	493.00	
23 37 13 13-0205	EA		16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	328.89	22.27
			For Grille (No Damper), Deduct	-36.38	
			For Single Deflection, Deduct	-48.50	
			For Steel Construction, Deduct	-24.25	
			For Stainless Steel, Add	606.25	
23 37 13 13-0206	EA		18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	406.93	27.84
			For Grille (No Damper), Deduct	-44.77	
			For Single Deflection, Deduct	-59.69	
			For Steel Construction, Deduct	-29.85	
			For Stainless Steel, Add	746.15	
23 37 13 13-0207	EA		24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	548.26	29.23
			For Grille (No Damper), Deduct	-65.16	
			For Single Deflection, Deduct	-86.87	
			For Steel Construction, Deduct	-43.44	
			For Stainless Steel, Add	1,085.93	
<b>23 37 13 13-0208</b>			<b>Air Conditioning And Ventilation (23 37 13 13-0155)</b>		
23 37 13 13-0209	EA		10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	88.81	29.23
			For Stainless Steel, Add	76.00	
23 37 13 13-0210	EA		18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	147.79	43.50
			For Stainless Steel, Add	151.98	
23 37 13 13-0211	EA		30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	223.11	60.90
			For Stainless Steel, Add	253.30	
23 37 13 13-0212	EA		48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	501.40	83.52
			For Stainless Steel, Add	835.93	
<b>23 37 13 13-0213</b>			<b>Square Wall Return Air And Exhaust Grilles (23 37 13 13-0155)</b>		
			Note: Egg crate design aluminum construction.		
23 37 13 13-0214	EA		8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	87.99	34.86
23 37 13 13-0215	EA		12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	93.61	34.86
23 37 13 13-0216	EA		18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	139.70	52.29
23 37 13 13-0217	EA		24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	167.81	52.29
23 37 13 13-0218	EA		28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	265.89	69.72
23 37 13 13-0219	EA		36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	435.57	69.59
<b>23 37 13 13-0220</b>			<b>Rectangular Four-Way Adjustable Deflection Wall Supply Grilles (23 37 13 13-0155)</b>		
			Note: Aluminum construction.		
23 37 13 13-0221	EA		12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	210.11	25.09
23 37 13 13-0222	EA		14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	234.10	25.09
23 37 13 13-0223	EA		18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	279.42	27.89
23 37 13 13-0224	EA		24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	322.02	27.89
23 37 13 13-0225	EA		36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	426.47	87.15
<b>23 37 13 13-0226</b>			<b>Square Ceiling Return Air And Exhaust Grilles (23 37 13 13-0155)</b>		
			Note: Egg crate design, plastic construction.		
23 37 13 13-0227	EA		24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction.....	46.01	16.69
23 37 13 13-0228	EA		24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction.....	63.15	16.82
<b>23 37 13 13-0229</b>			<b>Door Grilles Sight Proof Inverted Vee Cross Section (23 37 13 13-0155)</b>		
			Note: Painted steel louvers and frame.		
23 37 13 13-0230	EA		12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	121.02	25.09
23 37 13 13-0231	EA		12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	159.48	25.09
23 37 13 13-0232	EA		18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	188.79	26.49

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0233	EA		24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	244.75	31.65
23 37 13 13-0234	EA		24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	274.71	58.14
<b>23 37 13 13-0235</b>			<b>Stainless Steel Devices</b> (23 37 13 13-0155)		
<b>23 37 13 13-0236</b>			<b>304 Stainless Steel, Louvered Partition/Door Grilles</b> (23 37 13 13-0235)		
23 37 13 13-0237	SF	Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille .....	178.59	21.75	
		<i>For 316 Stainless Steel, Add</i>	28.47		
23 37 13 13-0238	SF	>4 SF, 304 Stainless Steel, Louvered Partition/Door Grille.....	152.62	21.75	
		<i>For 316 Stainless Steel, Add</i>	23.27		
<b>23 37 13 13-0239</b>			<b>304 Stainless Steel, Single Deflection Supply Grilles</b> (23 37 13 13-0235)		
23 37 13 13-0240	SF	Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille .....	138.22	21.75	
		<i>For 316 Stainless Steel, Add</i>	20.39		
23 37 13 13-0241	SF	>4 SF, 304 Stainless Steel, Single Deflection Supply Grille.....	119.33	21.75	
		<i>For 316 Stainless Steel, Add</i>	16.62		
<b>23 37 13 13-0242</b>			<b>304 Stainless Steel, Double Deflection Supply Grilles</b> (23 37 13 13-0235)		
23 37 13 13-0243	SF	Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille .....	196.65	21.75	
		<i>For 316 Stainless Steel, Add</i>	32.08		
23 37 13 13-0244	SF	>4 SF, 304 Stainless Steel, Double Deflection Supply Grille .....	169.38	21.75	
		<i>For 316 Stainless Steel, Add</i>	26.63		
<b>23 37 13 13-0245</b>			<b>304 Stainless Steel Return Grilles</b> (23 37 13 13-0235)		
23 37 13 13-0246	SF	Up To 4 SF, 304 Stainless Steel Return Grille .....	138.22	21.75	
		<i>For 316 Stainless Steel, Add</i>	20.39		
23 37 13 13-0247	SF	>4 SF, 304 Stainless Steel Return Grille.....	119.33	21.75	
		<i>For 316 Stainless Steel, Add</i>	16.62		
<b>23 37 13 13-0248</b>			<b>304 Stainless Steel, Louvered Supply/Return Grilles</b> (23 37 13 13-0235)		
23 37 13 13-0249	SF	Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille .....	138.22	21.75	
		<i>For 316 Stainless Steel, Add</i>	20.39		
23 37 13 13-0250	SF	>4 SF, 304 Stainless Steel, Louvered Supply/Return Grille .....	119.33	21.75	
		<i>For 316 Stainless Steel, Add</i>	16.62		
<b>23 37 13 13-0251</b>			<b>304 Stainless Steel, Perforated Return Grilles</b> (23 37 13 13-0235)		
23 37 13 13-0252	SF	Up To 4 SF, 304 Stainless Steel, Perforated Return Grille .....	138.22	21.75	
		<i>For 316 Stainless Steel, Add</i>	20.39		
23 37 13 13-0253	SF	>4 SF, 304 Stainless Steel, Perforated Return Grille .....	114.15	21.75	
		<i>For 316 Stainless Steel, Add</i>	15.58		
<b>23 37 13 13-0254</b>			<b>304 Stainless Steel, Perforated Supply Grilles</b> (23 37 13 13-0235)		
23 37 13 13-0255	SF	Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille .....	164.78	21.75	
		<i>For 316 Stainless Steel, Add</i>	25.71		
23 37 13 13-0256	SF	>4 SF, 304 Stainless Steel, Perforated Supply Grille.....	116.91	21.75	
		<i>For 316 Stainless Steel, Add</i>	16.13		
<b>23 37 13 13-0257</b>			<b>304 Stainless Steel, Door Grilles</b> (23 37 13 13-0235)		
23 37 13 13-0258	SF	Up To 4 SF, 304 Stainless Steel, Door Grille .....	240.20	21.75	
		<i>For 316 Stainless Steel, Add</i>	40.79		
23 37 13 13-0259	SF	>4 SF, 304 Stainless Steel, Door Grille.....	202.44	21.75	
		<i>For 316 Stainless Steel, Add</i>	33.24		
<b>23 37 13 13-0260</b>			<b>304 Stainless Steel, Linear Bar Grilles</b> (23 37 13 13-0235)		
23 37 13 13-0261	SF	Up To 4 SF, 304 Stainless Steel, Linear Bar Grille .....	303.58	21.75	
		<i>For 316 Stainless Steel, Add</i>	53.47		
23 37 13 13-0262	SF	>4 SF, 304 Stainless Steel, Linear Bar Grille .....	261.67	21.75	
		<i>For 316 Stainless Steel, Add</i>	45.08		
<b>23 37 13 13-0263</b>			<b>304 Stainless Steel, Hinged Filter Grilles</b> (23 37 13 13-0235)		
23 37 13 13-0264	SF	Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille.....	226.39	21.75	
		<i>For 316 Stainless Steel, Add</i>	38.03		
23 37 13 13-0265	SF	>4 SF, 304 Stainless Steel, Hinged Filter Grille .....	160.30	21.75	
		<i>For 316 Stainless Steel, Add</i>	24.81		
<b>23 37 13 13-0266</b>			<b>304 Stainless Steel, Opposed Blade Dampers Grilles</b> (23 37 13 13-0235)		
23 37 13 13-0267	SF	Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille.....	127.60	21.75	
		<i>For 316 Stainless Steel, Add</i>	18.27		
23 37 13 13-0268	SF	Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF .....	100.11	21.75	
		<i>For 316 Stainless Steel, Add</i>	12.77		
<b>23 37 13 13-0269</b>			<b>304 Stainless Steel, Plaster Frames Replacement</b> (23 37 13 13-0235)		
			Note: For frequent replacement.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0270	SF	To 4 SF, 304 Stainless Steel, Plaster Frames Replacement	.....	102.11	21.75
		<i>For 316 Stainless Steel, Add</i>		13.17	
23 37 13 13-0271	SF	>4 SF, 304 Stainless Steel, Plaster Frames Replacement	.....	59.97	21.75
		<i>For 316 Stainless Steel, Add</i>		4.74	
<b>23 37 13 13-0272</b>		<b>304 Stainless Steel, Modular Louvered Ceiling Diffusers</b> (23 37 13 13-0235)			
23 37 13 13-0273	SF	Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	.....	223.20	21.75
		<i>For 316 Stainless Steel, Add</i>		37.39	
23 37 13 13-0274	SF	>4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	.....	177.30	21.75
		<i>For 316 Stainless Steel, Add</i>		28.21	
<b>23 37 13 13-0275</b>		<b>304 Stainless Steel, Latticed Supply/Return Grilles</b> (23 37 13 13-0235)			
23 37 13 13-0276	SF	Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	.....	86.17	21.75
		<i>For 316 Stainless Steel, Add</i>		9.98	
23 37 13 13-0277	SF	>4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	.....	86.17	21.75
		<i>For 316 Stainless Steel, Add</i>		9.98	
<b>23 37 13 13-0278</b>		<b>Removal And Reinstallation Of Distribution Devices</b> (23 37 13 13)			
		Note: Includes storage and cleaning. Excludes ductwork.			
23 37 13 13-0279	EA	Removal And Reinstallation Of Variable Air Volume Terminal Unit	.....	260.99	
23 37 13 13-0280	EA	Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit	.....	287.86	
23 37 13 13-0281	EA	Removal And Reinstallation Of Lay-in Diffuser/Register/Grille	.....	43.14	
23 37 13 13-0282	EA	Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille	.....	58.43	
<b>23 37 13 43</b>		<b>Security Registers and Grilles</b> (23 37 13)			
<b>23 37 13 43-0001</b>		<b>Security Supply Or Return Grille</b> (23 37 13 43)			
		Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.			
23 37 13 43-0002	EA	8" x 4" Steel Security Grille	.....	196.33	20.92
		<i>For Stainless Steel, Add</i>		200.85	
		<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>		0.35	
		<i>For 1" x 1" Square Holes On Face, Add</i>		38.63	
		<i>For Anchoring Tabs, Add</i>		15.45	
		<i>For Angle Iron Frame, Add</i>		27.36	
		<i>For Rear Operated Opposed Blade Damper, Add</i>		58.26	
23 37 13 43-0003	EA	8" x 6" Steel Security Grille	.....	216.45	21.61
		<i>For Stainless Steel, Add</i>		225.19	
		<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>		0.35	
		<i>For 1" x 1" Square Holes On Face, Add</i>		43.31	
		<i>For Anchoring Tabs, Add</i>		17.32	
		<i>For Angle Iron Frame, Add</i>		30.31	
		<i>For Rear Operated Opposed Blade Damper, Add</i>		64.95	
23 37 13 43-0004	EA	8" x 8" Steel Security Grille	.....	247.77	24.40
		<i>For Stainless Steel, Add</i>		258.66	
		<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>		0.35	
		<i>For 1" x 1" Square Holes On Face, Add</i>		49.74	
		<i>For Anchoring Tabs, Add</i>		19.90	
		<i>For Angle Iron Frame, Add</i>		34.73	
		<i>For Rear Operated Opposed Blade Damper, Add</i>		74.52	
23 37 13 43-0005	EA	10" x 4" Steel Security Grille	.....	218.29	23.70
		<i>For Stainless Steel, Add</i>		222.14	
		<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>		0.35	
		<i>For 1" x 1" Square Holes On Face, Add</i>		42.72	
		<i>For Anchoring Tabs, Add</i>		17.09	
		<i>For Angle Iron Frame, Add</i>		30.37	
		<i>For Rear Operated Opposed Blade Damper, Add</i>		64.55	
23 37 13 43-0006	EA	10" x 6" Steel Security Grille	.....	232.79	25.09
		<i>For Stainless Steel, Add</i>		237.37	
		<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>		0.35	
		<i>For 1" x 1" Square Holes On Face, Add</i>		45.65	
		<i>For Anchoring Tabs, Add</i>		18.26	
		<i>For Angle Iron Frame, Add</i>		32.41	
		<i>For Rear Operated Opposed Blade Damper, Add</i>		68.93	
23 37 13 43-0007	EA	10" x 8" Steel Security Grille	.....	265.06	27.18
		<i>For Stainless Steel, Add</i>		273.88	
		<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>		0.35	
		<i>For 1" x 1" Square Holes On Face, Add</i>		52.67	
		<i>For Anchoring Tabs, Add</i>		21.07	
		<i>For Angle Iron Frame, Add</i>		37.04	
		<i>For Rear Operated Opposed Blade Damper, Add</i>		79.18	
23 37 13 43-0008	EA	10" x 10" Steel Security Grille	.....	294.98	29.28
		<i>For Stainless Steel, Add</i>		307.36	
		<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>		0.35	
		<i>For 1" x 1" Square Holes On Face, Add</i>		59.11	
		<i>For Anchoring Tabs, Add</i>		23.64	
		<i>For Angle Iron Frame, Add</i>		41.32	
		<i>For Rear Operated Opposed Blade Damper, Add</i>		88.61	
23 37 13 43-0009	EA	12" x 4" Steel Security Grille	.....	230.89	26.49
		<i>For Stainless Steel, Add</i>		231.28	
		<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>		0.35	
		<i>For 1" x 1" Square Holes On Face, Add</i>		44.48	
		<i>For Anchoring Tabs, Add</i>		17.79	
		<i>For Angle Iron Frame, Add</i>		31.98	
		<i>For Rear Operated Opposed Blade Damper, Add</i>		67.57	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0010	EA		12" x 6" Steel Security Grille .....	257.52	29.28
			<i>For Stainless Steel, Add</i>	258.66	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	49.74	
			<i>For Anchoring Tabs, Add</i>	19.90	
			<i>For Angle Iron Frame, Add</i>	35.70	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	75.49	
23 37 13 43-0011	EA		12" x 8" Steel Security Grille .....	292.14	31.37
			<i>For Stainless Steel, Add</i>	298.22	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	57.35	
			<i>For Anchoring Tabs, Add</i>	22.94	
			<i>For Angle Iron Frame, Add</i>	40.68	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	86.56	
23 37 13 43-0012	EA		12" x 10" Steel Security Grille .....	317.39	33.46
			<i>For Stainless Steel, Add</i>	325.61	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	62.62	
			<i>For Anchoring Tabs, Add</i>	25.05	
			<i>For Angle Iron Frame, Add</i>	44.26	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	94.36	
23 37 13 43-0013	EA		12" x 12" Steel Security Grille .....	349.66	35.55
			<i>For Stainless Steel, Add</i>	362.13	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	69.64	
			<i>For Anchoring Tabs, Add</i>	27.86	
			<i>For Angle Iron Frame, Add</i>	48.89	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	104.61	
23 37 13 43-0014	EA		14" x 4" Steel Security Grille .....	246.77	28.58
			<i>For Stainless Steel, Add</i>	246.49	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	47.40	
			<i>For Anchoring Tabs, Add</i>	18.96	
			<i>For Angle Iron Frame, Add</i>	34.16	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	72.08	
23 37 13 43-0015	EA		14" x 6" Steel Security Grille .....	276.71	30.67
			<i>For Stainless Steel, Add</i>	279.97	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	53.84	
			<i>For Anchoring Tabs, Add</i>	21.54	
			<i>For Angle Iron Frame, Add</i>	38.44	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	81.51	
23 37 13 43-0016	EA		14" x 8" Steel Security Grille .....	308.03	33.46
			<i>For Stainless Steel, Add</i>	313.44	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	60.28	
			<i>For Anchoring Tabs, Add</i>	24.11	
			<i>For Angle Iron Frame, Add</i>	42.86	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	91.08	
23 37 13 43-0017	EA		14" x 10" Steel Security Grille .....	346.38	36.25
			<i>For Stainless Steel, Add</i>	356.04	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	68.47	
			<i>For Anchoring Tabs, Add</i>	27.39	
			<i>For Angle Iron Frame, Add</i>	48.33	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	103.11	
23 37 13 43-0018	EA		14" x 12" Steel Security Grille .....	381.44	39.74
			<i>For Stainless Steel, Add</i>	392.56	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	75.49	
			<i>For Anchoring Tabs, Add</i>	30.20	
			<i>For Angle Iron Frame, Add</i>	53.24	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	113.64	
23 37 13 43-0019	EA		14" x 14" Steel Security Grille .....	410.42	42.52
			<i>For Stainless Steel, Add</i>	422.99	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	81.35	
			<i>For Anchoring Tabs, Add</i>	32.54	
			<i>For Angle Iron Frame, Add</i>	57.31	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	122.39	
23 37 13 43-0020	EA		16" x 6" Steel Security Grille .....	296.32	33.46
			<i>For Stainless Steel, Add</i>	298.22	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	57.35	
			<i>For Anchoring Tabs, Add</i>	22.94	
			<i>For Angle Iron Frame, Add</i>	41.10	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	86.98	
23 37 13 43-0021	EA		16" x 8" Steel Security Grille .....	337.02	36.25
			<i>For Stainless Steel, Add</i>	343.88	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	66.13	
			<i>For Anchoring Tabs, Add</i>	26.45	
			<i>For Angle Iron Frame, Add</i>	46.93	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	99.83	
23 37 13 43-0022	EA		16" x 10" Steel Security Grille .....	363.65	39.04
			<i>For Stainless Steel, Add</i>	371.25	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	71.40	
			<i>For Anchoring Tabs, Add</i>	28.56	
			<i>For Angle Iron Frame, Add</i>	50.64	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	107.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0023	EA		16" x 12" Steel Security Grille .....	407.64	41.13
			For Stainless Steel, Add	422.99	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	81.35	
			For Anchoring Tabs, Add	32.54	
			For Angle Iron Frame, Add	57.03	
			For Rear Operated Opposed Blade Damper, Add	122.11	
23 37 13 43-0024	EA		16" x 14" Steel Security Grille .....	431.94	43.92
			For Stainless Steel, Add	447.34	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	86.03	
			For Anchoring Tabs, Add	34.41	
			For Angle Iron Frame, Add	60.40	
			For Rear Operated Opposed Blade Damper, Add	129.22	
23 37 13 43-0025	EA		16" x 16" Steel Security Grille .....	467.95	46.71
			For Stainless Steel, Add	486.90	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	93.64	
			For Anchoring Tabs, Add	37.45	
			For Angle Iron Frame, Add	65.52	
			For Rear Operated Opposed Blade Damper, Add	140.43	
23 37 13 43-0026	EA		18" x 6" Steel Security Grille .....	316.40	37.64
			For Stainless Steel, Add	313.44	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	60.28	
			For Anchoring Tabs, Add	24.11	
			For Angle Iron Frame, Add	43.70	
			For Rear Operated Opposed Blade Damper, Add	91.92	
23 37 13 43-0027	EA		18" x 8" Steel Security Grille .....	359.42	40.43
			For Stainless Steel, Add	362.13	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	69.64	
			For Anchoring Tabs, Add	27.86	
			For Angle Iron Frame, Add	49.87	
			For Rear Operated Opposed Blade Damper, Add	105.58	
23 37 13 43-0028	EA		18" x 10" Steel Security Grille .....	393.09	43.23
			For Stainless Steel, Add	398.65	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	76.66	
			For Anchoring Tabs, Add	30.67	
			For Angle Iron Frame, Add	54.64	
			For Rear Operated Opposed Blade Damper, Add	115.97	
23 37 13 43-0029	EA		18" x 12" Steel Security Grille .....	431.44	46.01
			For Stainless Steel, Add	441.25	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	84.86	
			For Anchoring Tabs, Add	33.94	
			For Angle Iron Frame, Add	60.12	
			For Rear Operated Opposed Blade Damper, Add	128.00	
23 37 13 43-0030	EA		18" x 14" Steel Security Grille .....	458.14	45.32
			For Stainless Steel, Add	477.78	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	91.88	
			For Anchoring Tabs, Add	36.75	
			For Angle Iron Frame, Add	64.19	
			For Rear Operated Opposed Blade Damper, Add	137.69	
23 37 13 43-0031	EA		18" x 16" Steel Security Grille .....	499.78	47.41
			For Stainless Steel, Add	526.46	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	101.24	
			For Anchoring Tabs, Add	40.50	
			For Angle Iron Frame, Add	70.23	
			For Rear Operated Opposed Blade Damper, Add	151.22	
23 37 13 43-0032	EA		18" x 18" Steel Security Grille .....	534.39	49.50
			For Stainless Steel, Add	566.02	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	108.85	
			For Anchoring Tabs, Add	43.54	
			For Angle Iron Frame, Add	75.21	
			For Rear Operated Opposed Blade Damper, Add	162.29	
23 37 13 43-0033	EA		20" x 6" Steel Security Grille .....	339.75	41.13
			For Stainless Steel, Add	334.74	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	64.37	
			For Anchoring Tabs, Add	25.75	
			For Angle Iron Frame, Add	46.85	
			For Rear Operated Opposed Blade Damper, Add	98.35	
23 37 13 43-0034	EA		20" x 8" Steel Security Grille .....	383.23	45.32
			For Stainless Steel, Add	380.39	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	73.15	
			For Anchoring Tabs, Add	29.26	
			For Angle Iron Frame, Add	52.95	
			For Rear Operated Opposed Blade Damper, Add	111.48	
23 37 13 43-0035	EA		20" x 10" Steel Security Grille .....	420.19	47.41
			For Stainless Steel, Add	422.99	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	81.35	
			For Anchoring Tabs, Add	32.54	
			For Angle Iron Frame, Add	58.29	
			For Rear Operated Opposed Blade Damper, Add	123.36	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 37 Air Outlets and Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0036	EA		20" x 12" Steel Security Grille .....	460.87	50.20
			For Stainless Steel, Add	468.64	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	90.12	
			For Anchoring Tabs, Add	36.05	
			For Angle Iron Frame, Add	64.11	
			For Rear Operated Opposed Blade Damper, Add	136.21	
23 37 13 43-0037	EA		20" x 14" Steel Security Grille .....	504.85	52.29
			For Stainless Steel, Add	520.38	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	100.07	
			For Anchoring Tabs, Add	40.03	
			For Angle Iron Frame, Add	70.50	
			For Rear Operated Opposed Blade Damper, Add	150.56	
23 37 13 43-0038	EA		20" x 16" Steel Security Grille .....	544.15	54.38
			For Stainless Steel, Add	566.02	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	108.85	
			For Anchoring Tabs, Add	43.54	
			For Angle Iron Frame, Add	76.19	
			For Rear Operated Opposed Blade Damper, Add	163.27	
23 37 13 43-0039	EA		20" x 18" Steel Security Grille .....	581.10	56.47
			For Stainless Steel, Add	608.62	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	117.04	
			For Anchoring Tabs, Add	46.82	
			For Angle Iron Frame, Add	81.52	
			For Rear Operated Opposed Blade Damper, Add	175.15	
23 37 13 43-0040	EA		20" x 20" Steel Security Grille .....	625.08	58.56
			For Stainless Steel, Add	660.36	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	126.99	
			For Anchoring Tabs, Add	50.80	
			For Angle Iron Frame, Add	87.91	
			For Rear Operated Opposed Blade Damper, Add	189.50	
23 37 13 43-0041	EA		24" x 6" Steel Security Grille .....	377.59	46.01
			For Stainless Steel, Add	371.25	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	71.40	
			For Anchoring Tabs, Add	28.56	
			For Angle Iron Frame, Add	52.04	
			For Rear Operated Opposed Blade Damper, Add	109.15	
23 37 13 43-0042	EA		24" x 8" Steel Security Grille .....	425.76	50.20
			For Stainless Steel, Add	422.99	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	81.35	
			For Anchoring Tabs, Add	32.54	
			For Angle Iron Frame, Add	58.85	
			For Rear Operated Opposed Blade Damper, Add	123.92	
23 37 13 43-0043	EA		24" x 10" Steel Security Grille .....	463.66	51.58
			For Stainless Steel, Add	468.64	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	90.12	
			For Anchoring Tabs, Add	36.05	
			For Angle Iron Frame, Add	64.39	
			For Rear Operated Opposed Blade Damper, Add	136.49	
23 37 13 43-0044	EA		24" x 12" Steel Security Grille .....	519.28	57.16
			For Stainless Steel, Add	526.46	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	101.24	
			For Anchoring Tabs, Add	40.50	
			For Angle Iron Frame, Add	72.18	
			For Rear Operated Opposed Blade Damper, Add	153.17	
23 37 13 43-0045	EA		24" x 14" Steel Security Grille .....	558.57	59.26
			For Stainless Steel, Add	572.10	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	110.02	
			For Anchoring Tabs, Add	44.01	
			For Angle Iron Frame, Add	77.86	
			For Rear Operated Opposed Blade Damper, Add	165.88	
23 37 13 43-0046	EA		24" x 16" Steel Security Grille .....	607.24	61.35
			For Stainless Steel, Add	629.93	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	121.14	
			For Anchoring Tabs, Add	48.46	
			For Angle Iron Frame, Add	84.95	
			For Rear Operated Opposed Blade Damper, Add	181.86	
23 37 13 43-0047	EA		24" x 18" Steel Security Grille .....	662.91	63.44
			For Stainless Steel, Add	696.88	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	134.02	
			For Anchoring Tabs, Add	53.61	
			For Angle Iron Frame, Add	93.09	
			For Rear Operated Opposed Blade Damper, Add	200.31	
23 37 13 43-0048	EA		24" x 20" Steel Security Grille .....	702.20	65.53
			For Stainless Steel, Add	742.52	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	142.79	
			For Anchoring Tabs, Add	57.12	
			For Angle Iron Frame, Add	98.78	
			For Rear Operated Opposed Blade Damper, Add	213.01	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0049	EA		24" x 24" Steel Security Grille ..... For Stainless Steel, Add ..... For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add ..... For 1" x 1" Square Holes On Face, Add ..... For Anchoring Tabs, Add ..... For Angle Iron Frame, Add ..... For Rear Operated Opposed Blade Damper, Add .....	785.47 839.90 0.35 161.52 64.61 110.85 240.07	69.72
<b>23 37 23 HVAC Gravity Ventilators (23 37)</b>					
<b>23 37 23 13 HVAC Gravity Dome Ventilators (23 37 23)</b>					
<b>23 37 23 13-0001 Rectangular Gravity Intake/Relief Ventilator Hood (23 37 23 13)</b>					
Note: Includes flange base and bird screen. Excludes curb.					
23 37 23 13-0002	EA		8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	636.43	80.73
23 37 23 13-0003	EA		8" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	682.85	92.43
23 37 23 13-0004	EA		8" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	852.85	114.97
23 37 23 13-0005	EA		8" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	908.39	122.36
23 37 23 13-0006	EA		8" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,059.87	142.40
23 37 23 13-0007	EA		10" x 10" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	746.53	91.87
23 37 23 13-0008	EA		12" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	823.63	103.57
23 37 23 13-0009	EA		12" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	943.74	111.35
23 37 23 13-0010	EA		12" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,046.16	134.96
23 37 23 13-0011	EA		12" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,188.97	144.76
23 37 23 13-0012	EA		12" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,331.58	153.67
23 37 23 13-0013	EA		14" x 14" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	884.07	104.81
23 37 23 13-0014	EA		14" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,007.47	119.43
23 37 23 13-0015	EA		14" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,130.87	134.05
23 37 23 13-0016	EA		14" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,274.71	151.17
23 37 23 13-0017	EA		14" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,439.29	170.66
23 37 23 13-0018	EA		16" x 16" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,069.08	126.80
23 37 23 13-0019	EA		16" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,110.26	131.68
23 37 23 13-0020	EA		16" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,233.65	146.29
23 37 23 13-0021	EA		16" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,398.08	165.79
23 37 23 13-0022	EA		16" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,562.52	185.27
23 37 23 13-0023	EA		16" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,788.71	212.13
23 37 23 13-0024	EA		18" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,061.24	124.99
23 37 23 13-0025	EA		18" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,234.83	145.46
23 37 23 13-0026	EA		18" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,408.58	165.92
23 37 23 13-0027	EA		18" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,601.50	188.61
23 37 23 13-0028	EA		18" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,775.11	209.07
23 37 23 13-0029	EA		20" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,125.12	138.64
23 37 23 13-0030	EA		20" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,272.59	156.87
23 37 23 13-0031	EA		20" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,420.21	174.97
23 37 23 13-0032	EA		20" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,641.58	202.25
23 37 23 13-0033	EA		20" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,807.52	222.72
23 37 23 13-0034	EA		24" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,435.56	186.38
23 37 23 13-0035	EA		24" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,593.07	206.84
23 37 23 13-0036	EA		24" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,820.71	236.36
23 37 23 13-0037	EA		24" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,995.75	259.04
23 37 23 13-0038	EA		24" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,188.33	284.10
23 37 23 13-0039	EA		30" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,709.08	212.13
23 37 23 13-0040	EA		30" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,883.16	233.71
23 37 23 13-0041	EA		30" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,073.17	257.23
23 37 23 13-0042	EA		30" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,263.04	280.90
23 37 23 13-0043	EA		30" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,753.55	341.72
23 37 23 13-0044	EA		30" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,943.56	365.25
23 37 23 13-0045	EA		36" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,998.78	263.22
23 37 23 13-0046	EA		36" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,192.61	288.70
23 37 23 13-0047	EA		36" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,625.17	345.63
23 37 23 13-0048	EA		36" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,923.43	384.88
23 37 23 13-0049	EA		36" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,102.52	408.54
23 37 23 13-0050	EA		36" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,341.13	439.86
23 37 23 13-0051	EA		36" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,758.80	494.84
23 37 23 13-0052	EA		42" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,355.76	294.67
23 37 23 13-0053	EA		42" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,924.80	365.81
23 37 23 13-0054	EA		42" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,335.13	417.17
23 37 23 13-0055	EA		42" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,454.16	432.06
23 37 23 13-0056	EA		42" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,851.21	481.62
23 37 23 13-0057	EA		42" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,234.99	529.64
23 37 23 13-0058	EA		48" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,164.70	425.38
23 37 23 13-0059	EA		48" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,423.39	460.18
23 37 23 13-0060	EA		48" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,681.94	494.99
23 37 23 13-0061	EA		48" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,088.31	549.55
23 37 23 13-0062	EA		48" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,291.41	556.78
23 37 23 13-0063	EA		54" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,652.19	479.53
23 37 23 13-0064	EA		54" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,096.69	537.85
23 37 23 13-0065	EA		54" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,445.15	583.65
23 37 23 13-0066	EA		54" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,733.36	621.51
23 37 23 13-0067	EA		60" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,551.20	597.01
23 37 23 13-0068	EA		60" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,793.54	636.41
23 37 23 13-0069	EA		60" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	5,143.29	685.27
23 37 23 13-0070	EA		66" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,870.41	688.47
23 37 23 13-0071	EA		66" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	5,695.43	805.11
23 37 23 13-0072	EA		72" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	5,740.79	742.34

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST23 38 Ventilation Hoods <sup>(23 30)</sup>**23 38 13 Commercial-Kitchen Hoods <sup>(23 38)</sup>****23 38 13 13 Listed Commercial-Kitchen Hoods <sup>(23 38 13)</sup>**23 38 13 13-0001 Universal Ventless Hood <sup>(23 38 13 13)</sup>

23 38 13 13-0002 EA 109" Wide x 50" Deep x 102" High, Ventless Exhaust Hood With Stand, (Wells WVU-96).....36,636.37 431.23

**23 38 13 16 Standard Commercial-Kitchen Hoods <sup>(23 38 13)</sup>**23 38 13 16-0001 Commercial Kitchen Hood Ventilation System <sup>(23 38 13 16)</sup>

Note: Excludes fire suppression. See CSI section 23 34 16 00-0108 for exhaust and supply fans.

23 38 13 16-0002 Dry Filter Exhaust Hoods <sup>(23 38 13 16-0001)</sup>

Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.

23 38 13 16-0003	EA	8' Long x 60" Deep Dry Filter Exhaust Hood .....	8,917.89	809.06
23 38 13 16-0004	EA	8'-6" Long x 60" Deep Dry Filter Exhaust Hood .....	9,295.24	859.64
23 38 13 16-0005	EA	9' Long x 60" Deep Dry Filter Exhaust Hood .....	10,353.15	910.20
23 38 13 16-0006	EA	9'-6" Long x 60" Deep Dry Filter Exhaust Hood .....	10,673.68	960.77
23 38 13 16-0007	EA	10' Long x 60" Deep Dry Filter Exhaust Hood .....	11,060.87	1,011.33
23 38 13 16-0008	EA	10'-6" Long x 60" Deep Dry Filter Exhaust Hood .....	11,469.10	1,061.90
23 38 13 16-0009	EA	11' Long x 60" Deep Dry Filter Exhaust Hood .....	11,856.89	1,112.46
23 38 13 16-0010	EA	11'-6" Long x 60" Deep Dry Filter Exhaust Hood .....	12,256.17	1,163.03
23 38 13 16-0011	EA	12' Long x 60" Deep Dry Filter Exhaust Hood .....	12,698.65	1,213.60
23 38 13 16-0012	EA	12'-6" Long x 60" Deep Dry Filter Exhaust Hood .....	13,083.90	1,264.17
23 38 13 16-0013	EA	13' Long x 60" Deep Dry Filter Exhaust Hood .....	13,405.42	1,314.73
23 38 13 16-0014	EA	13'-6" Long x 60" Deep Dry Filter Exhaust Hood .....	13,937.62	1,365.30
23 38 13 16-0015	EA	14' Long x 60" Deep Dry Filter Exhaust Hood .....	15,563.36	1,415.87
23 38 13 16-0016	EA	14'-6" Long x 60" Deep Dry Filter Exhaust Hood .....	15,986.79	1,466.43
23 38 13 16-0017	EA	15' Long x 60" Deep Dry Filter Exhaust Hood .....	16,555.57	1,517.00
23 38 13 16-0018	EA	15'-6" Long x 60" Deep Dry Filter Exhaust Hood .....	16,987.89	1,567.57
23 38 13 16-0019	EA	16' Long x 60" Deep Dry Filter Exhaust Hood .....	17,626.86	1,618.14

23 38 13 16-0020 Dry Extractor Exhaust Hoods <sup>(23 38 13 16-0001)</sup>

Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.

23 38 13 16-0021	EA	8' Long x 60" Deep Dry Extractor Exhaust Hood .....	12,392.43	809.06
23 38 13 16-0022	EA	8'-6" Long x 60" Deep Dry Extractor Exhaust Hood .....	12,791.77	859.64
23 38 13 16-0023	EA	9' Long x 60" Deep Dry Extractor Exhaust Hood .....	13,915.66	910.20
23 38 13 16-0024	EA	9'-6" Long x 60" Deep Dry Extractor Exhaust Hood .....	14,324.15	960.77
23 38 13 16-0025	EA	10' Long x 60" Deep Dry Extractor Exhaust Hood .....	14,733.33	1,011.33
23 38 13 16-0026	EA	10'-6" Long x 60" Deep Dry Extractor Exhaust Hood .....	15,119.57	1,061.90
23 38 13 16-0027	EA	11' Long x 60" Deep Dry Extractor Exhaust Hood .....	15,529.35	1,112.46
23 38 13 16-0028	EA	11'-6" Long x 60" Deep Dry Extractor Exhaust Hood .....	15,917.63	1,163.03
23 38 13 16-0029	EA	12' Long x 60" Deep Dry Extractor Exhaust Hood .....	16,283.15	1,213.60
23 38 13 16-0030	EA	12'-6" Long x 60" Deep Dry Extractor Exhaust Hood .....	16,800.34	1,264.17
23 38 13 16-0031	EA	13' Long x 60" Deep Dry Extractor Exhaust Hood .....	17,396.75	1,314.73
23 38 13 16-0032	EA	13'-6" Long x 60" Deep Dry Extractor Exhaust Hood .....	18,027.90	1,365.30
23 38 13 16-0033	EA	14' Long x 60" Deep Dry Extractor Exhaust Hood .....	19,334.78	1,415.87
23 38 13 16-0034	EA	14'-6" Long x 60" Deep Dry Extractor Exhaust Hood .....	19,978.11	1,466.43
23 38 13 16-0035	EA	15' Long x 60" Deep Dry Extractor Exhaust Hood .....	21,217.61	1,517.00
23 38 13 16-0036	EA	15'-6" Long x 60" Deep Dry Extractor Exhaust Hood .....	22,474.58	1,567.57
23 38 13 16-0037	EA	16' Long x 60" Deep Dry Extractor Exhaust Hood .....	23,718.30	1,618.14

23 38 13 16-0038 Single Manifold Water Wash Exhaust Hoods <sup>(23 38 13 16-0001)</sup>

Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.

23 38 13 16-0039	EA	8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood .....	13,272.06	809.06
23 38 13 16-0040	EA	8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood .....	13,693.39	859.64
23 38 13 16-0041	EA	9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood .....	14,839.27	910.20
23 38 13 16-0042	EA	9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood .....	15,258.76	960.77
23 38 13 16-0043	EA	10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood .....	15,700.92	1,011.33
23 38 13 16-0044	EA	10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood .....	16,109.15	1,061.90
23 38 13 16-0045	EA	11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood .....	16,529.93	1,112.46
23 38 13 16-0046	EA	11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood .....	16,951.20	1,163.03
23 38 13 16-0047	EA	12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood .....	17,327.71	1,213.60
23 38 13 16-0048	EA	12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood .....	17,888.89	1,264.17
23 38 13 16-0049	EA	13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood .....	18,529.27	1,314.73
23 38 13 16-0050	EA	13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood .....	19,204.41	1,365.30
23 38 13 16-0051	EA	14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood .....	20,555.26	1,415.87
23 38 13 16-0052	EA	14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood .....	21,242.58	1,466.43
23 38 13 16-0053	EA	15' Long x 60" Deep Single Manifold Water Wash Exhaust Hood .....	22,603.03	1,517.00
23 38 13 16-0054	EA	15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood .....	23,288.24	1,567.57
23 38 13 16-0055	EA	16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood .....	23,971.20	1,618.14
23 38 13 16-0056	EA	Fan Wash Control Panel .....	9,470.52	404.53

Note: Includes time clock and backflow preventer.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 38 13 16-0057 Utility Distribution System (UDS) (23 38 13 16-0001)**

Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.

23 38 13 16-0058	EA		8' Long UDS.....	26,139.87	411.41
23 38 13 16-0059	EA		8'-6" Long UDS.....	26,910.85	421.43
23 38 13 16-0060	EA		9' Long UDS.....	27,673.41	431.23
23 38 13 16-0061	EA		9'-6" Long UDS.....	28,443.96	444.98
23 38 13 16-0062	EA		10' Long UDS.....	29,208.80	455.91
23 38 13 16-0063	EA		10'-6" Long UDS.....	29,966.67	467.43
23 38 13 16-0064	EA		11' Long UDS.....	30,733.68	475.42
23 38 13 16-0065	EA		11'-6" Long UDS.....	31,501.65	487.97
23 38 13 16-0066	EA		12' Long UDS.....	32,280.09	505.67
23 38 13 16-0067	EA		12'-6" Long UDS.....	33,071.21	529.73
23 38 13 16-0068	EA		13' Long UDS.....	33,845.32	545.31
23 38 13 16-0069	EA		13'-6" Long UDS.....	34,632.80	567.56
23 38 13 16-0070	EA		14' Long UDS.....	35,411.60	585.46
23 38 13 16-0071	EA		14'-6" Long UDS.....	36,192.74	604.58
23 38 13 16-0072	EA		15' Long UDS.....	36,976.47	625.01
23 38 13 16-0073	EA		15'-6" Long UDS.....	37,763.01	646.75
23 38 13 16-0074	EA		16' Long UDS.....	38,536.78	662.22

**23 38 13 16-0075 Stainless Steel Exhaust Hood Material (23 38 13 16)**

Note: Welded seams.

23 38 13 16-0076	SF		16 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	45.02	17.01
			<i>For Type 316 Stainless Steel, Add</i>	0.98	
23 38 13 16-0077	SF		14 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	56.27	22.67
			<i>For Type 316 Stainless Steel, Add</i>	1.22	
23 38 13 16-0078	SF		12 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	78.08	30.61
			<i>For Type 316 Stainless Steel, Add</i>	1.70	
23 38 13 16-0079	SF		10 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	97.49	37.41
			<i>For Type 316 Stainless Steel, Add</i>	2.19	

**23 38 13 16-0080 Kitchen Exhaust Hood (23 38 13 16)**

23 38 13 16-0081	EA		10' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System With PSP Makeup Air (Halifax LPSHP1048).....	9,303.72	2,567.92
			Note: Ductwork connections by others.		
			<i>For Type 316 Stainless Steel, Add</i>	416.79	
23 38 13 16-0082	EA		8' x 4', Type 1, Commercial Kitchen Hood System With Short Cycle Makeup Air (Halifax SCHP848).....	8,276.56	2,054.33
			Note: Ductwork connections by others.		
			<i>For Type 316 Stainless Steel, Add</i>	416.79	
23 38 13 16-0083	EA		4' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP448).....	4,429.23	1,027.16
			Note: Ductwork connections by others.		
			<i>For Type 316 Stainless Steel, Add</i>	237.49	
23 38 13 16-0084	EA		6' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP648).....	5,863.39	1,540.75
			Note: Ductwork connections by others.		
			<i>For Type 316 Stainless Steel, Add</i>	278.19	
23 38 13 16-0085	EA		5' x 4', Type 1, Commercial Kitchen Hood System (Halifax EXHP548).....	5,206.82	1,283.96
			Note: Ductwork connections by others.		
			<i>For Type 316 Stainless Steel, Add</i>	263.89	

**23 40 HVAC Air Cleaning Devices (23)**

**23 41 Particulate Air Filtration (23 40)**

**23 41 13 Panel Air Filters (23 41)**

**23 41 13 00-0001 Disposable Air Filters (23 41 13)**

23 41 13 00-0002	EA		Throwaway Glass Or Paper Media Filter, Residential.....	14.17	
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**23 41 13 00-0003 Disposable Fiberglass Air Filters (23 41 13)**

23 41 13 00-0004	EA		8" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.22	6.69
			Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0005	EA		8" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.22	6.69
			Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0006	EA		8" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	13.95	6.69
			Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0007	EA		10" x 10" x 1" Disposable Fiberglass Air Filter, MERV 5.....	13.94	7.01
			Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0008	EA		10" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5.....	13.94	7.01
			Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0009	EA		10" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5.....	13.94	7.01
			Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0010	EA		10" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5.....	13.94	7.01
			Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0011	EA		10" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.16	7.01
			Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0012	EA		12" x 12" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.70	7.32
			Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0013	EA		12" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.68	7.32
			Note: One-piece kraft fiberboard frame with two metal grids.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41	13 00-0014	EA	12" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.06	7.32
23 41	13 00-0015	EA	12" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.06	7.32
23 41	13 00-0016	EA	12" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.06	7.32
23 41	13 00-0017	EA	12" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.48	7.32
23 41	13 00-0018	EA	12" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.24	7.32
23 41	13 00-0019	EA	14" x 14" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.80	7.73
23 41	13 00-0020	EA	14" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.11	7.73
23 41	13 00-0021	EA	14" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.92	7.73
23 41	13 00-0022	EA	14" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.80	7.73
23 41	13 00-0023	EA	14" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.92	7.73
23 41	13 00-0024	EA	14" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.64	7.73
23 41	13 00-0025	EA	15" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.12	7.95
23 41	13 00-0026	EA	15" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.12	7.95
23 41	13 00-0027	EA	15" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.15	7.95
23 41	13 00-0028	EA	16" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.28	8.06
23 41	13 00-0029	EA	16" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.78	8.06
23 41	13 00-0030	EA	16" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.33	8.06
23 41	13 00-0031	EA	16" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.21	8.06
23 41	13 00-0032	EA	16" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.75	8.06
23 41	13 00-0033	EA	16" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.29	8.06
23 41	13 00-0034	EA	16" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.65	8.06
23 41	13 00-0035	EA	16" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.38	8.06
23 41	13 00-0036	EA	18" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.63	8.37
23 41	13 00-0037	EA	18" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.29	8.37
23 41	13 00-0038	EA	18" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.63	8.37
23 41	13 00-0039	EA	18" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.80	8.37
23 41	13 00-0040	EA	18" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.50	8.37
23 41	13 00-0041	EA	18" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.45	8.37
23 41	13 00-0042	EA	19" x 27" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.44	8.78
23 41	13 00-0043	EA	20" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.73	8.78
23 41	13 00-0044	EA	20" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.78	8.78
23 41	13 00-0045	EA	20" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.06	8.78
23 41	13 00-0046	EA	20" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.51	8.78
23 41	13 00-0047	EA	20" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	23.64	8.78
23 41	13 00-0048	EA	20" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.47	8.78
23 41	13 00-0049	EA	21" x 21" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.68	8.89
23 41	13 00-0050	EA	22" x 22" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.92	8.99
23 41	13 00-0051	EA	24" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.06	9.10
23 41	13 00-0052	EA	24" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.65	9.10
23 41	13 00-0053	EA	24" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	25.68	9.10
23 41	13 00-0054	EA	25" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.20	9.20
23 41	13 00-0055	EA	25" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	26.18	9.20
23 41	13 00-0056	EA	10" x 10" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.76	7.01
23 41	13 00-0057	EA	10" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.76	7.01



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0058	EA		12" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.04	7.32
23 41 13 00-0059	EA		14" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.60	7.73
23 41 13 00-0060	EA		14" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.60	7.73
23 41 13 00-0061	EA		15" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.98	7.95
23 41 13 00-0062	EA		16" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.89	8.06
23 41 13 00-0063	EA		16" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.74	8.06
23 41 13 00-0064	EA		16" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.11	8.06
23 41 13 00-0065	EA		18" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.17	8.37
23 41 13 00-0066	EA		20" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.85	8.78
23 41 13 00-0067	EA		20" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.59	8.78
23 41 13 00-0068	EA		20" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.59	8.78
23 41 13 00-0069	EA		24" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.27	9.10
23 41 13 00-0070	EA		25" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.41	9.20
<b>23 41 13 00-0071 Disposable Pleated Air Filters (23 41 13)</b>					
23 41 13 00-0072	EA		10" x 20" x 1" Disposable Pleated Air Filter, MERV 8	14.95	7.01
23 41 13 00-0073	EA		10" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.58	7.01
23 41 13 00-0074	EA		10" x 30" x 1" Disposable Pleated Air Filter, MERV 8	26.80	7.01
23 41 13 00-0075	EA		12" x 12" x 1" Disposable Pleated Air Filter, MERV 8	18.94	7.32
23 41 13 00-0076	EA		12" x 20" x 1" Disposable Pleated Air Filter, MERV 8	17.71	7.32
23 41 13 00-0077	EA		12" x 24" x 1" Disposable Pleated Air Filter, MERV 8	17.52	7.32
23 41 13 00-0078	EA		12" x 25" x 1" Disposable Pleated Air Filter, MERV 8	17.52	7.32
23 41 13 00-0079	EA		12" x 30" x 1" Disposable Pleated Air Filter, MERV 8	27.22	7.32
23 41 13 00-0080	EA		14" x 14" x 1" Disposable Pleated Air Filter, MERV 8	21.34	7.73
23 41 13 00-0081	EA		14" x 20" x 1" Disposable Pleated Air Filter, MERV 8	18.27	7.73
23 41 13 00-0082	EA		14" x 24" x 1" Disposable Pleated Air Filter, MERV 8	22.90	7.73
23 41 13 00-0083	EA		14" x 25" x 1" Disposable Pleated Air Filter, MERV 8	18.83	7.73
23 41 13 00-0084	EA		14" x 30" x 1" Disposable Pleated Air Filter, MERV 8	26.38	7.73
23 41 13 00-0085	EA		15" x 20" x 1" Disposable Pleated Air Filter, MERV 8	18.66	7.95
23 41 13 00-0086	EA		16" x 16" x 1" Disposable Pleated Air Filter, MERV 8	21.75	8.06
23 41 13 00-0087	EA		16" x 20" x 1" Disposable Pleated Air Filter, MERV 8	18.42	8.06
23 41 13 00-0088	EA		16" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.22	8.06
23 41 13 00-0089	EA		16" x 25" x 1" Disposable Pleated Air Filter, MERV 8	19.05	8.06
23 41 13 00-0090	EA		16" x 30" x 1" Disposable Pleated Air Filter, MERV 8	26.79	8.06
23 41 13 00-0091	EA		18" x 18" x 1" Disposable Pleated Air Filter, MERV 8	28.61	8.37
23 41 13 00-0092	EA		18" x 20" x 1" Disposable Pleated Air Filter, MERV 8	21.60	8.37
23 41 13 00-0093	EA		18" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.26	8.37
23 41 13 00-0094	EA		18" x 25" x 1" Disposable Pleated Air Filter, MERV 8	21.01	8.37
23 41 13 00-0095	EA		18" x 30" x 1" Disposable Pleated Air Filter, MERV 8	28.78	8.37
23 41 13 00-0096	EA		20" x 20" x 1" Disposable Pleated Air Filter, MERV 8	20.14	8.78
23 41 13 00-0097	EA		20" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.41	8.78
23 41 13 00-0098	EA		20" x 25" x 1" Disposable Pleated Air Filter, MERV 8	21.20	8.78
23 41 13 00-0099	EA		20" x 30" x 1" Disposable Pleated Air Filter, MERV 8	23.74	8.78
23 41 13 00-0100	EA		22" x 22" x 1" Disposable Pleated Air Filter, MERV 8	28.52	8.99
23 41 13 00-0101	EA		24" x 24" x 1" Disposable Pleated Air Filter, MERV 8	22.75	9.10
23 41 13 00-0102	EA		24" x 30" x 1" Disposable Pleated Air Filter, MERV 8	34.77	9.10
23 41 13 00-0103	EA		25" x 25" x 1" Disposable Pleated Air Filter, MERV 8	23.99	9.20
23 41 13 00-0104	EA		10" x 20" x 2" Disposable Pleated Air Filter, MERV 8	17.42	7.01
23 41 13 00-0105	EA		12" x 12" x 2" Disposable Pleated Air Filter, MERV 8	22.38	7.32
23 41 13 00-0106	EA		12" x 20" x 2" Disposable Pleated Air Filter, MERV 8	18.25	7.32
23 41 13 00-0107	EA		12" x 24" x 2" Disposable Pleated Air Filter, MERV 8	17.99	7.32
23 41 13 00-0108	EA		14" x 20" x 2" Disposable Pleated Air Filter, MERV 8	19.03	7.73
23 41 13 00-0109	EA		14" x 25" x 2" Disposable Pleated Air Filter, MERV 8	19.80	7.73
23 41 13 00-0110	EA		15" x 20" x 2" Disposable Pleated Air Filter, MERV 8	19.31	7.95
23 41 13 00-0111	EA		16" x 16" x 2" Disposable Pleated Air Filter, MERV 8	23.89	8.06
23 41 13 00-0112	EA		16" x 20" x 2" Disposable Pleated Air Filter, MERV 8	18.96	8.06
23 41 13 00-0113	EA		16" x 24" x 2" Disposable Pleated Air Filter, MERV 8	21.41	8.06
23 41 13 00-0114	EA		16" x 25" x 2" Disposable Pleated Air Filter, MERV 8	19.95	8.06
23 41 13 00-0115	EA		18" x 18" x 2" Disposable Pleated Air Filter, MERV 8	27.41	8.37
23 41 13 00-0116	EA		18" x 20" x 2" Disposable Pleated Air Filter, MERV 8	23.62	8.37
23 41 13 00-0117	EA		18" x 24" x 2" Disposable Pleated Air Filter, MERV 8	21.60	8.37
23 41 13 00-0118	EA		18" x 25" x 2" Disposable Pleated Air Filter, MERV 8	22.37	8.37
23 41 13 00-0119	EA		20" x 20" x 2" Disposable Pleated Air Filter, MERV 8	21.13	8.78
23 41 13 00-0120	EA		20" x 24" x 2" Disposable Pleated Air Filter, MERV 8	22.53	8.78
23 41 13 00-0121	EA		20" x 25" x 2" Disposable Pleated Air Filter, MERV 8	22.29	8.78
23 41 13 00-0122	EA		20" x 30" x 2" Disposable Pleated Air Filter, MERV 8	31.42	8.78
23 41 13 00-0123	EA		24" x 24" x 2" Disposable Pleated Air Filter, MERV 8	23.83	9.10
23 41 13 00-0124	EA		25" x 25" x 2" Disposable Pleated Air Filter, MERV 8	26.16	9.20
23 41 13 00-0125	EA		12" x 24" x 4" Disposable Pleated Air Filter, MERV 8	26.84	7.32
23 41 13 00-0126	EA		16" x 20" x 4" Disposable Pleated Air Filter, MERV 8	29.03	8.06
23 41 13 00-0127	EA		16" x 25" x 4" Disposable Pleated Air Filter, MERV 8	30.93	8.06
23 41 13 00-0128	EA		18" x 24" x 4" Disposable Pleated Air Filter, MERV 8	33.30	8.37

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0129	EA	20" x 20" x 4"	Disposable Pleated Air Filter, MERV 8	31.81	8.78
23 41 13 00-0130	EA	20" x 24" x 4"	Disposable Pleated Air Filter, MERV 8	34.47	8.78
23 41 13 00-0131	EA	20" x 25" x 4"	Disposable Pleated Air Filter, MERV 8	34.72	8.78
23 41 13 00-0132	EA	24" x 24" x 4"	Disposable Pleated Air Filter, MERV 8	37.80	9.10
23 41 13 00-0133	EA	10" x 20" x 1"	Disposable Pleated Air Filter, MERV 11	24.48	7.01
23 41 13 00-0134	EA	10" x 24" x 1"	Disposable Pleated Air Filter, MERV 11	24.48	7.01
23 41 13 00-0135	EA	10" x 30" x 1"	Disposable Pleated Air Filter, MERV 11	31.35	7.01
23 41 13 00-0136	EA	12" x 12" x 1"	Disposable Pleated Air Filter, MERV 11	25.93	7.32
23 41 13 00-0137	EA	12" x 20" x 1"	Disposable Pleated Air Filter, MERV 11	25.31	7.32
23 41 13 00-0138	EA	12" x 24" x 1"	Disposable Pleated Air Filter, MERV 11	25.21	7.32
23 41 13 00-0139	EA	12" x 30" x 1"	Disposable Pleated Air Filter, MERV 11	35.44	7.32
23 41 13 00-0140	EA	14" x 14" x 1"	Disposable Pleated Air Filter, MERV 11	29.35	7.73
23 41 13 00-0141	EA	14" x 20" x 1"	Disposable Pleated Air Filter, MERV 11	26.02	7.73
23 41 13 00-0142	EA	14" x 24" x 1"	Disposable Pleated Air Filter, MERV 11	33.18	7.73
23 41 13 00-0143	EA	14" x 25" x 1"	Disposable Pleated Air Filter, MERV 11	32.48	7.73
23 41 13 00-0144	EA	14" x 30" x 1"	Disposable Pleated Air Filter, MERV 11	37.87	7.73
23 41 13 00-0145	EA	15" x 20" x 1"	Disposable Pleated Air Filter, MERV 11	25.08	7.95
23 41 13 00-0146	EA	16" x 16" x 1"	Disposable Pleated Air Filter, MERV 11	34.91	8.06
23 41 13 00-0147	EA	16" x 20" x 1"	Disposable Pleated Air Filter, MERV 11	23.54	8.06
23 41 13 00-0148	EA	16" x 24" x 1"	Disposable Pleated Air Filter, MERV 11	29.91	8.06
23 41 13 00-0149	EA	16" x 25" x 1"	Disposable Pleated Air Filter, MERV 11	27.61	8.06
23 41 13 00-0150	EA	16" x 30" x 1"	Disposable Pleated Air Filter, MERV 11	35.97	8.06
23 41 13 00-0151	EA	18" x 18" x 1"	Disposable Pleated Air Filter, MERV 11	36.83	8.37
23 41 13 00-0152	EA	18" x 20" x 1"	Disposable Pleated Air Filter, MERV 11	31.50	8.37
23 41 13 00-0153	EA	18" x 24" x 1"	Disposable Pleated Air Filter, MERV 11	28.56	8.37
23 41 13 00-0154	EA	18" x 25" x 1"	Disposable Pleated Air Filter, MERV 11	30.33	8.37
23 41 13 00-0155	EA	18" x 30" x 1"	Disposable Pleated Air Filter, MERV 11	41.41	8.37
23 41 13 00-0156	EA	20" x 20" x 1"	Disposable Pleated Air Filter, MERV 11	28.77	8.78
23 41 13 00-0157	EA	20" x 24" x 1"	Disposable Pleated Air Filter, MERV 11	31.40	8.78
23 41 13 00-0158	EA	20" x 25" x 1"	Disposable Pleated Air Filter, MERV 11	31.69	8.78
23 41 13 00-0159	EA	20" x 30" x 1"	Disposable Pleated Air Filter, MERV 11	36.59	8.78
23 41 13 00-0160	EA	22" x 22" x 1"	Disposable Pleated Air Filter, MERV 11	40.35	8.99
23 41 13 00-0161	EA	24" x 24" x 1"	Disposable Pleated Air Filter, MERV 11	34.29	9.10
23 41 13 00-0162	EA	24" x 30" x 1"	Disposable Pleated Air Filter, MERV 11	43.91	9.10
23 41 13 00-0163	EA	25" x 25" x 1"	Disposable Pleated Air Filter, MERV 11	38.39	9.20
23 41 13 00-0164	EA	10" x 20" x 2"	Disposable Pleated Air Filter, MERV 11	24.89	7.01
23 41 13 00-0165	EA	12" x 12" x 2"	Disposable Pleated Air Filter, MERV 11	26.20	7.32
23 41 13 00-0166	EA	12" x 20" x 2"	Disposable Pleated Air Filter, MERV 11	24.98	7.32
23 41 13 00-0167	EA	12" x 24" x 2"	Disposable Pleated Air Filter, MERV 11	29.07	7.32
23 41 13 00-0168	EA	14" x 20" x 2"	Disposable Pleated Air Filter, MERV 11	26.31	7.73
23 41 13 00-0169	EA	14" x 25" x 2"	Disposable Pleated Air Filter, MERV 11	27.49	7.73
23 41 13 00-0170	EA	15" x 20" x 2"	Disposable Pleated Air Filter, MERV 11	27.02	7.95
23 41 13 00-0171	EA	16" x 16" x 2"	Disposable Pleated Air Filter, MERV 11	35.60	8.06
23 41 13 00-0172	EA	16" x 20" x 2"	Disposable Pleated Air Filter, MERV 11	31.21	8.06
23 41 13 00-0173	EA	16" x 24" x 2"	Disposable Pleated Air Filter, MERV 11	30.47	8.06
23 41 13 00-0174	EA	16" x 25" x 2"	Disposable Pleated Air Filter, MERV 11	34.28	8.06
23 41 13 00-0175	EA	18" x 18" x 2"	Disposable Pleated Air Filter, MERV 11	40.84	8.37
23 41 13 00-0176	EA	18" x 20" x 2"	Disposable Pleated Air Filter, MERV 11	32.75	8.37
23 41 13 00-0177	EA	18" x 24" x 2"	Disposable Pleated Air Filter, MERV 11	37.13	8.37
23 41 13 00-0178	EA	18" x 25" x 2"	Disposable Pleated Air Filter, MERV 11	32.40	8.37
23 41 13 00-0179	EA	20" x 20" x 2"	Disposable Pleated Air Filter, MERV 11	35.83	8.78
23 41 13 00-0180	EA	20" x 24" x 2"	Disposable Pleated Air Filter, MERV 11	38.27	8.78
23 41 13 00-0181	EA	20" x 25" x 2"	Disposable Pleated Air Filter, MERV 11	38.63	8.78
23 41 13 00-0182	EA	24" x 24" x 2"	Disposable Pleated Air Filter, MERV 11	38.68	9.10
23 41 13 00-0183	EA	25" x 25" x 2"	Disposable Pleated Air Filter, MERV 11	39.18	9.20
23 41 13 00-0184	EA	12" x 24" x 4"	Disposable Pleated Air Filter, MERV 11	46.30	7.32
23 41 13 00-0185	EA	16" x 20" x 4"	Disposable Pleated Air Filter, MERV 11	47.54	8.06
23 41 13 00-0186	EA	16" x 25" x 4"	Disposable Pleated Air Filter, MERV 11	56.29	8.06
23 41 13 00-0187	EA	18" x 24" x 4"	Disposable Pleated Air Filter, MERV 11	56.28	8.37
23 41 13 00-0188	EA	20" x 20" x 4"	Disposable Pleated Air Filter, MERV 11	56.17	8.78
23 41 13 00-0189	EA	20" x 24" x 4"	Disposable Pleated Air Filter, MERV 11	61.67	8.78
23 41 13 00-0190	EA	20" x 25" x 4"	Disposable Pleated Air Filter, MERV 11	61.67	8.78
23 41 13 00-0191	EA	24" x 24" x 4"	Disposable Pleated Air Filter, MERV 11	68.66	9.10
23 41 13 00-0192	EA	8" x 16" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.75	6.69
23 41 13 00-0193	EA	8" x 24" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.75	6.69
23 41 13 00-0194	EA	8" x 30" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.75	6.69
23 41 13 00-0195	EA	10" x 10" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.17	7.01
23 41 13 00-0196	EA	10" x 20" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.88	7.01
23 41 13 00-0197	EA	10" x 24" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.17	7.01
23 41 13 00-0198	EA	10" x 25" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.17	7.01
23 41 13 00-0199	EA	10" x 30" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.17	7.01
23 41 13 00-0200	EA	12" x 12" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.30	7.32
23 41 13 00-0201	EA	12" x 16" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.59	7.32
23 41 13 00-0202	EA	12" x 20" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.30	7.32
23 41 13 00-0203	EA	12" x 24" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.30	7.32
23 41 13 00-0204	EA	12" x 25" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.59	7.32
23 41 13 00-0205	EA	12" x 30" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.59	7.32
23 41 13 00-0206	EA	12" x 36" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.87	7.32
23 41 13 00-0207	EA	14" x 14" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.86	7.73
23 41 13 00-0208	EA	14" x 18" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.15	7.73
23 41 13 00-0209	EA	14" x 20" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.86	7.73
23 41 13 00-0210	EA	14" x 24" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.86	7.73
23 41 13 00-0211	EA	14" x 25" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.86	7.73
23 41 13 00-0212	EA	14" x 30" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.15	7.73
23 41 13 00-0213	EA	15" x 20" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.14	7.95

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0214	EA	15" x 25" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.43	7.95
23 41 13 00-0215	EA	15" x 30" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.43	7.95
23 41 13 00-0216	EA	16" x 16" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.27	8.06
23 41 13 00-0217	EA	16" x 18" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.56	8.06
23 41 13 00-0218	EA	16" x 20" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.27	8.06
23 41 13 00-0219	EA	16" x 24" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.27	8.06
23 41 13 00-0220	EA	16" x 25" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.27	8.06
23 41 13 00-0221	EA	16" x 30" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.56	8.06
23 41 13 00-0222	EA	16" x 32" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.56	8.06
23 41 13 00-0223	EA	16" x 36" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	36.73	8.06
23 41 13 00-0224	EA	18" x 18" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.69	8.37
23 41 13 00-0225	EA	18" x 20" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.26	8.37
23 41 13 00-0226	EA	18" x 24" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.69	8.37
23 41 13 00-0227	EA	18" x 25" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.26	8.37
23 41 13 00-0228	EA	18" x 30" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.26	8.37
23 41 13 00-0229	EA	18" x 36" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.15	8.37
23 41 13 00-0230	EA	19" x 27" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.83	8.78
23 41 13 00-0231	EA	20" x 20" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.26	8.78
23 41 13 00-0232	EA	20" x 24" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.26	8.78
23 41 13 00-0233	EA	20" x 25" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.26	8.78
23 41 13 00-0234	EA	20" x 30" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.55	8.78
23 41 13 00-0235	EA	20" x 32" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.72	8.78
23 41 13 00-0236	EA	20" x 36" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.72	8.78
23 41 13 00-0237	EA	21" x 21" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.96	8.89
23 41 13 00-0238	EA	22" x 22" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.82	8.99
23 41 13 00-0239	EA	24" x 24" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	36.53	9.10
23 41 13 00-0240	EA	24" x 30" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	36.53	9.10
23 41 13 00-0241	EA	24" x 36" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	40.70	9.10
23 41 13 00-0242	EA	25" x 25" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	36.67	9.20
23 41 13 00-0243	EA	25" x 32" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	40.84	9.20
23 41 13 00-0244	EA	30" x 30" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	41.12	9.41
<b>23 41 13 00-0245 Carbon Vapor Trap, Disposable V-Bank Filter (23 41 13)</b>					
23 41 13 00-0246	EA	24" x 24" x 12"	Thick Carbon Vapor, Disposable V-Bank Filter.....	665.93	20.92
<b>23 41 13 00-0247 Electrostatic Air Filters With Frame, Element And Busbar (23 41 13)</b>					
23 41 13 00-0248	MF3		Electrostatic Air Filter, High Efficiency Non Supported With Frame, Element And Busbar .....	66.83	
23 41 13 00-0249	MF3		Electrostatic Air Filter, Medium Efficiency Non Supported With Frame, Element And Busbar .....	64.54	
23 41 13 00-0250	MF3		Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar .....	2.78	
<b>23 41 16 Renewable-Media Air Filters (23 41)</b>					
<b>23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar (23 41 16)</b>					
23 41 16 00-0002	MF3		Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar.....	115.00	
<b>23 41 19 Washable Air Filters (23 41)</b>					
<b>23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar (23 41 19)</b>					
23 41 19 00-0002	MF3		Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar.....	43.91	
<b>23 41 33 High-Efficiency Particulate Filtration (23 41)</b>					
<b>23 41 33 00-0001 High Efficiency Particulate Air (HEPA) Filters (23 41 33)</b>					
Note: Includes particle board and kraft paper frame and separator material.					
<b>23 41 33 00-0002 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% (23 41 33 00-0001)</b>					
23 41 33 00-0003	EA	12" x 12" x 6"	High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete.....	126.13	19.52
			For >25 To 50, Deduct	-6.31	
			For >10 To 25, Deduct	-3.15	
			For >100, Deduct	-12.61	
			For >50 To 100, Deduct	-9.46	
			For Removal And Replacement In Existing Equipment, Add	3.90	
23 41 33 00-0004	EA	24" x 12" x 6"	High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete.....	166.18	22.31
			For >25 To 50, Deduct	-8.31	
			For >10 To 25, Deduct	-4.15	
			For >100, Deduct	-16.62	
			For >50 To 100, Deduct	-12.46	
			For Removal And Replacement In Existing Equipment, Add	4.46	
23 41 33 00-0005	EA	24" x 18" x 6"	High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete.....	194.36	25.80
			For >25 To 50, Deduct	-9.72	
			For >10 To 25, Deduct	-4.86	
			For >100, Deduct	-19.44	
			For >50 To 100, Deduct	-14.58	
			For Removal And Replacement In Existing Equipment, Add	5.16	
23 41 33 00-0006	EA	24" x 24" x 6"	High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete.....	222.58	29.28
			For >25 To 50, Deduct	-11.13	
			For >10 To 25, Deduct	-5.56	
			For >100, Deduct	-22.26	
			For >50 To 100, Deduct	-16.69	
			For Removal And Replacement In Existing Equipment, Add	5.86	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 40 HVAC Air Cleaning Devices**

**23 41 Particulate Air Filtration**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 41 33 00-0007	EA 12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete.....	152.49	20.92
	For >25 To 50, Deduct	-7.62	
	For >10 To 25, Deduct	-3.81	
	For >100, Deduct	-15.25	
	For >50 To 100, Deduct	-11.44	
	For Removal And Replacement In Existing Equipment, Add	4.18	
23 41 33 00-0008	EA 24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete.....	203.24	24.40
	For >25 To 50, Deduct	-10.16	
	For >10 To 25, Deduct	-5.08	
	For >100, Deduct	-20.32	
	For >50 To 100, Deduct	-15.24	
	For Removal And Replacement In Existing Equipment, Add	4.88	
23 41 33 00-0009	EA 24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete.....	242.40	27.89
	For >25 To 50, Deduct	-12.12	
	For >10 To 25, Deduct	-6.06	
	For >100, Deduct	-24.24	
	For >50 To 100, Deduct	-18.18	
	For Removal And Replacement In Existing Equipment, Add	5.58	
23 41 33 00-0010	EA 24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete.....	288.54	34.86
	For >25 To 50, Deduct	-14.43	
	For >10 To 25, Deduct	-7.21	
	For >100, Deduct	-28.85	
	For >50 To 100, Deduct	-21.64	
	For Removal And Replacement In Existing Equipment, Add	6.97	
23 41 33 00-0011	High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99% <small>(23 41 33 00-0001)</small>		
23 41 33 00-0012	EA 12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete .....	108.36	17.43
	For >25 To 50, Deduct	-5.42	
	For >10 To 25, Deduct	-2.71	
	For >100, Deduct	-10.84	
	For >50 To 100, Deduct	-8.13	
	For Removal And Replacement In Existing Equipment, Add	3.49	
23 41 33 00-0013	EA 24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete .....	148.63	20.92
	For >25 To 50, Deduct	-7.43	
	For >10 To 25, Deduct	-3.72	
	For >100, Deduct	-14.86	
	For >50 To 100, Deduct	-11.15	
	For Removal And Replacement In Existing Equipment, Add	4.18	
23 41 33 00-0014	EA 24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete .....	224.28	24.40
	For >25 To 50, Deduct	-11.21	
	For >10 To 25, Deduct	-5.61	
	For >100, Deduct	-22.43	
	For >50 To 100, Deduct	-16.82	
	For Removal And Replacement In Existing Equipment, Add	4.88	
23 41 33 00-0015	EA 36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete .....	286.92	27.89
	For >25 To 50, Deduct	-14.35	
	For >10 To 25, Deduct	-7.17	
	For >100, Deduct	-28.69	
	For >50 To 100, Deduct	-21.52	
	For Removal And Replacement In Existing Equipment, Add	5.58	
23 41 33 00-0016	EA 8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete .....	101.32	13.94
	For >25 To 50, Deduct	-5.07	
	For >10 To 25, Deduct	-2.53	
	For >100, Deduct	-10.13	
	For >50 To 100, Deduct	-7.60	
	For Removal And Replacement In Existing Equipment, Add	2.79	
23 41 33 00-0017	EA 12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete.....	134.42	18.83
	For >25 To 50, Deduct	-6.72	
	For >10 To 25, Deduct	-3.36	
	For >100, Deduct	-13.44	
	For >50 To 100, Deduct	-10.08	
	For Removal And Replacement In Existing Equipment, Add	3.76	
23 41 33 00-0018	EA 24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete.....	179.69	22.31
	For >25 To 50, Deduct	-8.98	
	For >10 To 25, Deduct	-4.49	
	For >100, Deduct	-17.97	
	For >50 To 100, Deduct	-13.48	
	For Removal And Replacement In Existing Equipment, Add	4.46	
23 41 33 00-0019	EA 24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete.....	210.94	26.14
	For >25 To 50, Deduct	-10.55	
	For >10 To 25, Deduct	-5.27	
	For >100, Deduct	-21.09	
	For >50 To 100, Deduct	-15.82	
	For Removal And Replacement In Existing Equipment, Add	5.23	
23 41 33 00-0020	EA 24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete.....	240.80	29.28
	For >25 To 50, Deduct	-12.04	
	For >10 To 25, Deduct	-6.02	
	For >100, Deduct	-24.08	
	For >50 To 100, Deduct	-18.06	
	For Removal And Replacement In Existing Equipment, Add	5.86	
23 41 33 00-0021	EA 12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete.....	164.77	20.92
	For >25 To 50, Deduct	-8.24	
	For >10 To 25, Deduct	-4.12	
	For >100, Deduct	-16.48	
	For >50 To 100, Deduct	-12.36	
	For Removal And Replacement In Existing Equipment, Add	4.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 41 33 00-0022	EA		24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete.....	220.41	24.40
			<i>For &gt;25 To 50, Deduct</i>	-11.02	
			<i>For &gt;10 To 25, Deduct</i>	-5.51	
			<i>For &gt;100, Deduct</i>	-22.04	
			<i>For &gt;50 To 100, Deduct</i>	-16.53	
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.88	
23 41 33 00-0023	EA		24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete.....	263.14	27.89
			<i>For &gt;25 To 50, Deduct</i>	-13.16	
			<i>For &gt;10 To 25, Deduct</i>	-6.58	
			<i>For &gt;100, Deduct</i>	-26.31	
			<i>For &gt;50 To 100, Deduct</i>	-19.74	
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.58	
23 41 33 00-0024	EA		24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete.....	324.41	34.86
			<i>For &gt;25 To 50, Deduct</i>	-16.22	
			<i>For &gt;10 To 25, Deduct</i>	-8.11	
			<i>For &gt;100, Deduct</i>	-32.44	
			<i>For &gt;50 To 100, Deduct</i>	-24.33	
			<i>For Removal And Replacement In Existing Equipment, Add</i>	6.97	

**23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal** (23 41 33)

Note: Nominal sizes.

23 41 33 00-0026	EA		12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	331.40	104.00
23 41 33 00-0027	EA		24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	623.58	206.71
23 41 33 00-0028	EA		24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	631.98	206.71
23 41 33 00-0029	EA		24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	637.58	206.71
23 41 33 00-0030	EA		24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	676.77	206.71
23 41 33 00-0031	EA		24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	725.75	206.71
23 41 33 00-0032	EA		48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	1,213.59	414.72
23 41 33 00-0033	EA		48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	1,332.55	414.72
23 41 33 00-0034	EA		48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	1,483.69	414.72
23 41 33 00-0035	EA		12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	355.19	104.00
23 41 33 00-0036	EA		24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	664.17	206.71
23 41 33 00-0037	EA		24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	673.97	206.71
23 41 33 00-0038	EA		24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	680.96	206.71
23 41 33 00-0039	EA		24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	727.15	206.71
23 41 33 00-0040	EA		24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	788.73	206.71
23 41 33 00-0041	EA		48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	1,311.56	414.72
23 41 33 00-0042	EA		48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	1,459.90	414.72
23 41 33 00-0043	EA		48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	1,647.44	414.72

**23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency** (23 41 33)

23 41 33 00-0045	EA		0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency .....	311.36	134.81
23 41 33 00-0046	EA		1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency .....	350.52	134.81

**23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency** (23 41 33)

23 41 33 00-0048	EA		0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency .....	306.87	134.81
23 41 33 00-0049	EA		1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency .....	335.76	134.81

**23 42 Gas-Phase Air Filtration** (23 40)

**23 42 13 Activated-Carbon Air Filtration** (23 42)

23 42 13 00-0001	EA		12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter .....	45.45	10.46
23 42 13 00-0002	EA		16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter .....	45.94	10.46
23 42 13 00-0003	EA		16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter .....	46.23	10.46
23 42 13 00-0004	EA		20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter .....	46.23	10.46
23 42 13 00-0005	EA		20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter .....	49.90	10.46
23 42 13 00-0006	EA		24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter .....	55.94	10.46
23 42 13 00-0007	EA		12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter .....	57.08	11.85
23 42 13 00-0008	EA		16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter .....	57.49	11.85
23 42 13 00-0009	EA		16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter .....	57.84	11.85
23 42 13 00-0010	EA		20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter .....	57.84	11.85
23 42 13 00-0011	EA		20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter .....	61.90	11.85
23 42 13 00-0012	EA		24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter .....	73.21	11.85
23 42 13 00-0013	EA		16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter .....	28.65	10.46
23 42 13 00-0014	EA		16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter .....	30.40	10.46
23 42 13 00-0015	EA		20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter .....	30.47	10.46
23 42 13 00-0016	EA		20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter .....	32.75	10.46
23 42 13 00-0017	EA		24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter .....	34.78	10.46
23 42 13 00-0018	EA		16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter .....	33.12	11.85
23 42 13 00-0019	EA		16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter .....	36.17	11.85
23 42 13 00-0020	EA		20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter .....	36.81	11.85
23 42 13 00-0021	EA		20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter .....	40.58	11.85
23 42 13 00-0022	EA		24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter .....	42.98	11.85
23 42 13 00-0023	EA		24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter .....	69.24	12.55

**23 43 Electronic Air Cleaners** (23 40)

**23 43 23 Self-Contained Electronic Air Cleaners** (23 43)

23 43 23 00-0001 Stationary Floor, Room Air Purifier (23 43 23)

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 40 HVAC Air Cleaning Devices****23 43 Electronic Air Cleaners**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 43 23 00-0002	EA	Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M).....	718.84	
23 43 23 00-0003	EA	Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L).....	998.84	
23 43 23 00-0004	EA	Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL).....	2,518.84	
23 43 23 00-0005	EA	Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact).....	567.85	
23 43 23 00-0006	EA	Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine).....	1,017.85	
23 43 23 00-0007	EA	Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial).....	4,017.85	

**23 43 23 00-0008 Surface Mounted, Room Air Purifier (23 43 23)**

23 43 23 00-0009	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067).....	1,917.67	
23 43 23 00-0010	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064).....	2,641.12	
23 43 23 00-0011	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S).....	3,009.67	

**23 43 23 00-0012 Suspension Ceiling Mounted, Room Air Purifier (23 43 23)**

23 43 23 00-0013	EA	2' x 4' Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24).....	2,437.60	
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**23 43 23 00-0014 Duct Mounted, Ionization System (23 43 23)**

23 43 23 00-0015	EA	Up To 10,000 CFM, 120/240 VAC, 50 Watt, 8 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 500FC).....	8,559.68	557.71
23 43 23 00-0016	EA	Up To 15,000 CFM, 120/240 VAC, 50 Watt, 5 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 508FC).....	11,596.24	697.13

**23 50 Central Heating Equipment (23)**

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

**23 51 Breechings, Chimneys, and Stacks (23 50)****23 51 13 Draft Control Devices (23 51)****23 51 13 13 Draft-Induction Fans (23 51 13)****23 51 13 13-0001 Vertical Discharge Fans (23 51 13 13)**

Note: Includes chimney adapter. Excludes wiring.

**23 51 13 13-0002 Axial Vane Vertical Discharge Fans (23 51 13 13-0001)**

23 51 13 13-0003	EA	450 CFM Vertical Discharge Chimney Fan, Axial Vane.....	2,554.52	282.47
23 51 13 13-0004	EA	950 CFM Vertical Discharge Chimney Fan, Axial Vane.....	2,886.71	308.15
23 51 13 13-0005	EA	1,400 CFM Vertical Discharge Chimney Fan, Axial Vane.....	3,442.37	340.25
23 51 13 13-0006	EA	1,800 CFM Vertical Discharge Chimney Fan, Axial Vane.....	4,460.63	394.81

**23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans (23 51 13 13-0001)**

23 51 13 13-0008	EA	700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	3,046.76	308.15
23 51 13 13-0009	EA	1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	3,688.28	340.25
23 51 13 13-0010	EA	2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	4,755.77	398.02
23 51 13 13-0011	EA	3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	5,612.77	446.17

**23 51 13 13-0012 Accessories For Vertical Discharge Fans (23 51 13 13-0001)**

23 51 13 13-0013	EA	Modulating Fan Controller And Sensor.....	403.25	96.29
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**23 51 13 16 Vent Dampers (23 51 13)****23 51 13 16-0001 Flue Shutter Draft Control Damper, Parallel Blade (23 51 13 16)**

23 51 13 16-0002	EA	3" Round Flue Shutter Draft Control Damper.....	784.27	57.01
23 51 13 16-0003	EA	4" Round Flue Shutter Draft Control Damper.....	857.32	60.48
23 51 13 16-0004	EA	5" Round Flue Shutter Draft Control Damper.....	943.20	64.20
23 51 13 16-0005	EA	6" Round Flue Shutter Draft Control Damper.....	1,007.54	68.46
23 51 13 16-0006	EA	7" Round Flue Shutter Draft Control Damper.....	1,098.22	73.34
23 51 13 16-0007	EA	8" Round Flue Shutter Draft Control Damper.....	1,168.02	78.96
23 51 13 16-0008	EA	10" Round Flue Shutter Draft Control Damper.....	1,289.19	85.62
23 51 13 16-0009	EA	12" Round Flue Shutter Draft Control Damper.....	1,414.80	93.36
23 51 13 16-0010	EA	14" Round Flue Shutter Draft Control Damper.....	1,575.26	97.90
23 51 13 16-0011	EA	16" Round Flue Shutter Draft Control Damper.....	1,689.10	102.71
23 51 13 16-0012	EA	18" Round Flue Shutter Draft Control Damper.....	1,839.81	107.86
23 51 13 16-0013	EA	20" Round Flue Shutter Draft Control Damper.....	2,233.35	170.77
23 51 13 16-0014	EA	22" Round Flue Shutter Draft Control Damper.....	2,441.45	181.36
23 51 13 16-0015	EA	24" Round Flue Shutter Draft Control Damper.....	2,640.43	192.60
23 51 13 16-0016	EA	26" Round Flue Shutter Draft Control Damper.....	2,689.53	199.02
23 51 13 16-0017	EA	28" Round Flue Shutter Draft Control Damper.....	2,774.44	205.44
23 51 13 16-0018	EA	30" Round Flue Shutter Draft Control Damper.....	2,861.34	218.28
23 51 13 16-0019	EA	32" Round Flue Shutter Draft Control Damper.....	2,981.87	224.55
23 51 13 16-0020	EA	34" Round Flue Shutter Draft Control Damper.....	3,115.65	237.39
23 51 13 16-0021	EA	36" Round Flue Shutter Draft Control Damper.....	3,275.78	256.79
23 51 13 16-0022	EA	38" Round Flue Shutter Draft Control Damper.....	3,435.95	265.61
23 51 13 16-0023	EA	40" Round Flue Shutter Draft Control Damper.....	3,578.24	269.63
23 51 13 16-0024	EA	42" Round Flue Shutter Draft Control Damper.....	3,753.46	282.47
23 51 13 16-0025	EA	44" Round Flue Shutter Draft Control Damper.....	3,929.58	295.31
23 51 13 16-0026	EA	46" Round Flue Shutter Draft Control Damper.....	4,106.15	308.15
23 51 13 16-0027	EA	48" Round Flue Shutter Draft Control Damper.....	4,282.05	320.99

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 51 13 19 Barometric Dampers** (23 51 13)

**23 51 13 19-0001 Barometric Dampers** (23 51 13 19)

23 51 13 19-0002	EA	6" x 6" Barometric Damper.....	340.00	11.14
23 51 13 19-0003	EA	12" x 12" Barometric Damper.....	490.44	15.31
23 51 13 19-0004	EA	18" x 18" Barometric Damper.....	662.68	23.66
23 51 13 19-0005	EA	24" x 24" Barometric Damper.....	817.70	44.55
23 51 13 19-0006	EA	6" Diameter Barometric Damper.....	174.94	11.14
		<i>For Stainless Steel, Add</i>	171.26	
23 51 13 19-0007	EA	7" Diameter Barometric Damper.....	206.62	12.52
		<i>For Stainless Steel, Add</i>	203.46	
23 51 13 19-0008	EA	8" Diameter Barometric Damper.....	239.78	13.92
		<i>For Stainless Steel, Add</i>	235.96	
23 51 13 19-0009	EA	9" Diameter Barometric Damper.....	291.17	13.92
		<i>For Stainless Steel, Add</i>	298.91	
23 51 13 19-0010	EA	10" Diameter Barometric Damper.....	377.49	16.70
		<i>For Stainless Steel, Add</i>	407.23	
23 51 13 19-0011	EA	12" Diameter Barometric Damper.....	475.60	18.10
		<i>For Stainless Steel, Add</i>	525.21	
23 51 13 19-0012	EA	14" Diameter Barometric Damper.....	593.56	19.49
		<i>For Stainless Steel, Add</i>	669.84	
23 51 13 19-0013	EA	15" Diameter Barometric Damper.....	705.69	20.88
		<i>For Stainless Steel, Add</i>	805.09	
23 51 13 19-0014	EA	16" Diameter Barometric Damper.....	815.92	23.66
		<i>For Stainless Steel, Add</i>	940.06	
23 51 13 19-0015	EA	18" Diameter Barometric Damper.....	1,066.33	25.06
		<i>For Stainless Steel, Add</i>	1,255.94	
23 51 13 19-0016	EA	20" Diameter Barometric Damper.....	1,265.34	27.84
		<i>For Stainless Steel, Add</i>	1,503.32	
23 51 13 19-0017	EA	24" Diameter Barometric Damper.....	1,519.14	27.84
		<i>For Stainless Steel, Add</i>	1,826.83	
23 51 13 19-0018	EA	30" Diameter Barometric Damper.....	1,867.20	32.01
		<i>For Stainless Steel, Add</i>	2,264.50	
23 51 13 19-0019	EA	36" Diameter Barometric Damper.....	2,371.48	33.41
		<i>For Stainless Steel, Add</i>	2,911.49	

**23 51 16 Fabricated Breechings and Accessories** (23 51)

**23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings** (23 51 16)

**23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe** (23 51 16 00-0001)

23 51 16 00-0003	LF	3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	32.96	11.43
		Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
		<i>For 2" Wall Instead Of 1", Add</i>	4.19	
		<i>For Aluminum Liner, Add</i>	0.25	
		<i>For 304 Stainless Steel Liner, Add</i>	0.33	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.71	
23 51 16 00-0004	LF	4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	34.91	12.07
		Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
		<i>For 2" Wall Instead Of 1", Add</i>	4.58	
		<i>For Aluminum Liner, Add</i>	0.30	
		<i>For 304 Stainless Steel Liner, Add</i>	0.41	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.35	
23 51 16 00-0005	LF	5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	38.25	12.84
		Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
		<i>For 2" Wall Instead Of 1", Add</i>	5.12	
		<i>For Aluminum Liner, Add</i>	0.36	
		<i>For 304 Stainless Steel Liner, Add</i>	0.49	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.27	
23 51 16 00-0006	LF	6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	41.37	13.74
		Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
		<i>For 2" Wall Instead Of 1", Add</i>	5.64	
		<i>For Aluminum Liner, Add</i>	0.41	
		<i>For 304 Stainless Steel Liner, Add</i>	0.56	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.15	
23 51 16 00-0007	LF	7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	46.97	14.64
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
		<i>For 2" Wall Instead Of 1", Add</i>	6.91	
		<i>For Aluminum Liner, Add</i>	0.61	
		<i>For 304 Stainless Steel Liner, Add</i>	0.83	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	12.16	
23 51 16 00-0008	LF	8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	52.20	15.79
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
		<i>For 2" Wall Instead Of 1", Add</i>	7.69	
		<i>For Aluminum Liner, Add</i>	0.68	
		<i>For 304 Stainless Steel Liner, Add</i>	0.92	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	13.52	
23 51 16 00-0009	LF	10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	69.15	16.95
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
		<i>For 2" Wall Instead Of 1", Add</i>	12.13	
		<i>For Aluminum Liner, Add</i>	1.43	
		<i>For 304 Stainless Steel Liner, Add</i>	1.95	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	20.34	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0010	LF		12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	81.68 15.16 1.92 2.62 25.07	18.75
23 51 16 00-0011	LF		14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	107.61 22.50 3.23 4.40 36.19	19.51
23 51 16 00-0012	LF		16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	130.27 28.86 4.35 5.94 45.84	20.54
23 51 16 00-0013	LF		18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	156.71 36.12 5.62 7.67 56.90	21.58
23 51 16 00-0014	LF		20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	205.92 44.86 6.67 9.10 71.52	34.28
23 51 16 00-0015	LF		22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	244.37 55.04 8.42 11.48 87.12	36.21
23 51 16 00-0016	LF		24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	285.68 66.29 10.37 14.15 104.29	38.52
23 51 16 00-0017	LF		26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	326.24 78.00 12.48 17.01 121.96	39.80
23 51 16 00-0018	LF		28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	341.41 81.89 13.13 17.90 127.96	41.09
23 51 16 00-0019	LF		30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	363.17 86.97 13.93 18.99 135.94	44.04
23 51 16 00-0020	LF		32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	406.83 99.25 16.10 21.96 154.57	45.71
23 51 16 00-0021	LF		34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	452.09 111.95 18.35 25.03 173.84	47.38
23 51 16 00-0022	LF		36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	475.29 117.96 19.37 26.41 183.10	49.31
23 51 16 00-0023	LF		38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	513.37 128.36 21.18 28.88 198.96	51.36
23 51 16 00-0024	LF		40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	562.57 141.99 23.58 32.15 219.68	53.55
23 51 16 00-0025	LF		42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	588.55 148.54 24.66 33.63 229.82	55.98



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0026	LF		44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	647.97 165.04 27.57 37.59 254.89	58.68
23 51 16 00-0027	LF		46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	701.45 179.62 30.10 41.05 277.13	61.63
23 51 16 00-0028	LF		48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	768.58 198.20 33.37 45.50 305.39	64.84
<b>23 51 16 00-0029 90 Degree Elbows (23 51 16 00-0001)</b>					
23 51 16 00-0030	EA		3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	77.04 11.79 1.12 1.53 20.52	22.85
23 51 16 00-0031	EA		4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	84.32 13.26 1.33 1.81 22.89	24.14
23 51 16 00-0032	EA		5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	92.70 15.03 1.58 2.16 25.74	25.68
23 51 16 00-0033	EA		6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	101.38 16.83 1.84 2.51 28.64	27.35
23 51 16 00-0034	EA		7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	117.53 20.71 2.46 3.36 34.70	29.27
23 51 16 00-0035	EA		8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	135.02 24.71 3.08 4.20 41.02	31.59
23 51 16 00-0036	EA		10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	214.78 47.26 7.09 9.67 75.19	34.28
23 51 16 00-0037	EA		12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	255.89 58.10 8.94 12.19 91.82	37.36
23 51 16 00-0038	EA		14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	322.61 77.22 12.36 16.86 120.72	39.17
23 51 16 00-0039	EA		16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	389.52 96.35 15.79 21.53 149.65	41.09
23 51 16 00-0040	EA		18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	493.89 126.52 21.21 28.92 195.19	43.27
23 51 16 00-0041	EA		20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	703.80 176.88 29.29 39.94 273.89	68.44
23 51 16 00-0042	EA		22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	910.07 236.75 40.08 54.65 364.19	72.54
23 51 16 00-0043	EA		24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	1,022.41 268.17 45.63 62.22 411.89	77.04

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 51 Breechings, Chimneys, and Stacks**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 51 16 00-0044	45 Degree Elbows <small>(23 51 16 00-0001)</small>		
23 51 16 00-0045	EA 3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	68.78	22.85
	For 2" Wall Instead Of 1", Add	9.23	
	For Aluminum Liner, Add	0.65	
	For 304 Stainless Steel Liner, Add	0.88	
	For 3" To 4" Wall Instead Of 1", Add	16.70	
23 51 16 00-0046	EA 4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	74.34	24.14
	For 2" Wall Instead Of 1", Add	10.21	
	For Aluminum Liner, Add	0.76	
	For 304 Stainless Steel Liner, Add	1.04	
	For 3" To 4" Wall Instead Of 1", Add	18.34	
23 51 16 00-0047	EA 5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	80.54	25.68
	For 2" Wall Instead Of 1", Add	11.32	
	For Aluminum Liner, Add	0.90	
	For 304 Stainless Steel Liner, Add	1.22	
	For 3" To 4" Wall Instead Of 1", Add	20.19	
23 51 16 00-0048	EA 6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	88.01	27.35
	For 2" Wall Instead Of 1", Add	12.71	
	For Aluminum Liner, Add	1.08	
	For 304 Stainless Steel Liner, Add	1.47	
	For 3" To 4" Wall Instead Of 1", Add	22.49	
23 51 16 00-0049	EA 7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	101.37	29.27
	For 2" Wall Instead Of 1", Add	15.74	
	For Aluminum Liner, Add	1.54	
	For 304 Stainless Steel Liner, Add	2.10	
	For 3" To 4" Wall Instead Of 1", Add	27.28	
23 51 16 00-0050	EA 8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	111.19	31.59
	For 2" Wall Instead Of 1", Add	17.57	
	For Aluminum Liner, Add	1.77	
	For 304 Stainless Steel Liner, Add	2.42	
	For 3" To 4" Wall Instead Of 1", Add	30.30	
23 51 16 00-0051	EA 10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	166.20	34.28
	For 2" Wall Instead Of 1", Add	32.74	
	For Aluminum Liner, Add	4.43	
	For 304 Stainless Steel Liner, Add	6.04	
	For 3" To 4" Wall Instead Of 1", Add	53.39	
23 51 16 00-0052	EA 12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	194.96	37.36
	For 2" Wall Instead Of 1", Add	39.82	
	For Aluminum Liner, Add	5.59	
	For 304 Stainless Steel Liner, Add	7.62	
	For 3" To 4" Wall Instead Of 1", Add	64.39	
23 51 16 00-0053	EA 14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	240.80	39.17
	For 2" Wall Instead Of 1", Add	52.67	
	For Aluminum Liner, Add	7.86	
	For 304 Stainless Steel Liner, Add	10.72	
	For 3" To 4" Wall Instead Of 1", Add	83.90	
23 51 16 00-0054	EA 16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	282.06	41.09
	For 2" Wall Instead Of 1", Add	64.08	
	For Aluminum Liner, Add	9.87	
	For 304 Stainless Steel Liner, Add	13.45	
	For 3" To 4" Wall Instead Of 1", Add	101.26	
23 51 16 00-0055	EA 18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	349.16	43.27
	For 2" Wall Instead Of 1", Add	83.12	
	For Aluminum Liner, Add	13.26	
	For 304 Stainless Steel Liner, Add	18.08	
	For 3" To 4" Wall Instead Of 1", Add	130.09	
23 51 16 00-0056	EA 20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	442.61	68.31
	For 2" Wall Instead Of 1", Add	98.64	
	For Aluminum Liner, Add	14.95	
	For 304 Stainless Steel Liner, Add	20.39	
	For 3" To 4" Wall Instead Of 1", Add	156.49	
23 51 16 00-0057	EA 22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	590.55	72.54
	For 2" Wall Instead Of 1", Add	140.90	
	For Aluminum Liner, Add	22.51	
	For 304 Stainless Steel Liner, Add	30.69	
	For 3" To 4" Wall Instead Of 1", Add	220.41	
23 51 16 00-0058	EA 24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	710.98	77.04
	For 2" Wall Instead Of 1", Add	174.80	
	For Aluminum Liner, Add	28.52	
	For 304 Stainless Steel Liner, Add	38.89	
	For 3" To 4" Wall Instead Of 1", Add	271.82	
23 51 16 00-0059	EA 26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,221.91	79.61
	For 2" Wall Instead Of 1", Add	326.79	
	For Aluminum Liner, Add	56.27	
	For 304 Stainless Steel Liner, Add	76.73	
	For 3" To 4" Wall Instead Of 1", Add	500.13	
23 51 16 00-0060	EA 28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,256.34	82.17
	For 2" Wall Instead Of 1", Add	335.84	
	For Aluminum Liner, Add	57.81	
	For 304 Stainless Steel Liner, Add	78.83	
	For 3" To 4" Wall Instead Of 1", Add	514.03	
23 51 16 00-0061	EA 30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,325.23	87.31
	For 2" Wall Instead Of 1", Add	353.94	
	For Aluminum Liner, Add	60.89	
	For 304 Stainless Steel Liner, Add	83.03	
	For 3" To 4" Wall Instead Of 1", Add	541.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0062	EA		32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,471.78	89.87
			For 2" Wall Instead Of 1", Add	396.62	
			For Aluminum Liner, Add	68.60	
			For 304 Stainless Steel Liner, Add	93.54	
			For 3" To 4" Wall Instead Of 1", Add	606.16	
23 51 16 00-0063	EA		34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,603.73	95.01
			For 2" Wall Instead Of 1", Add	433.64	
			For Aluminum Liner, Add	75.15	
			For 304 Stainless Steel Liner, Add	102.48	
			For 3" To 4" Wall Instead Of 1", Add	662.33	
23 51 16 00-0064	EA		36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,658.01	102.71
			For 2" Wall Instead Of 1", Add	446.08	
			For Aluminum Liner, Add	77.08	
			For 304 Stainless Steel Liner, Add	105.10	
			For 3" To 4" Wall Instead Of 1", Add	681.95	
23 51 16 00-0065	EA		38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,772.09	106.32
			For 2" Wall Instead Of 1", Add	478.51	
			For Aluminum Liner, Add	82.86	
			For 304 Stainless Steel Liner, Add	112.99	
			For 3" To 4" Wall Instead Of 1", Add	731.04	
23 51 16 00-0066	EA		40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,881.05	107.86
			For 2" Wall Instead Of 1", Add	510.42	
			For Aluminum Liner, Add	88.64	
			For 304 Stainless Steel Liner, Add	120.87	
			For 3" To 4" Wall Instead Of 1", Add	779.11	
23 51 16 00-0067	EA		42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,963.94	112.99
			For 2" Wall Instead Of 1", Add	532.72	
			For Aluminum Liner, Add	92.49	
			For 304 Stainless Steel Liner, Add	126.12	
			For 3" To 4" Wall Instead Of 1", Add	813.20	
23 51 16 00-0068	EA		44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,081.87	118.12
			For 2" Wall Instead Of 1", Add	565.54	
			For Aluminum Liner, Add	98.27	
			For 304 Stainless Steel Liner, Add	134.01	
			For 3" To 4" Wall Instead Of 1", Add	863.06	
23 51 16 00-0069	EA		46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,234.82	123.26
			For 2" Wall Instead Of 1", Add	608.86	
			For Aluminum Liner, Add	105.98	
			For 304 Stainless Steel Liner, Add	144.52	
			For 3" To 4" Wall Instead Of 1", Add	928.69	
23 51 16 00-0070	EA		48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,317.73	128.39
			For 2" Wall Instead Of 1", Add	631.17	
			For Aluminum Liner, Add	109.83	
			For 304 Stainless Steel Liner, Add	149.77	
			For 3" To 4" Wall Instead Of 1", Add	962.79	
<b>23 51 16 00-0071 Tees</b> <small>(23 51 16 00-0001)</small>					
23 51 16 00-0072	EA		3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	104.92	30.43
			For 2" Wall Instead Of 1", Add	16.24	
			For Aluminum Liner, Add	1.58	
			For 304 Stainless Steel Liner, Add	2.15	
			For 3" To 4" Wall Instead Of 1", Add	28.17	
23 51 16 00-0073	EA		4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	109.09	31.59
			For 2" Wall Instead Of 1", Add	16.94	
			For Aluminum Liner, Add	1.66	
			For 304 Stainless Steel Liner, Add	2.26	
			For 3" To 4" Wall Instead Of 1", Add	29.35	
23 51 16 00-0074	EA		5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	113.70	32.87
			For 2" Wall Instead Of 1", Add	17.68	
			For Aluminum Liner, Add	1.73	
			For 304 Stainless Steel Liner, Add	2.36	
			For 3" To 4" Wall Instead Of 1", Add	30.62	
23 51 16 00-0075	EA		6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	120.68	34.28
			For 2" Wall Instead Of 1", Add	19.07	
			For Aluminum Liner, Add	1.93	
			For 304 Stainless Steel Liner, Add	2.63	
			For 3" To 4" Wall Instead Of 1", Add	32.89	
23 51 16 00-0076	EA		7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	137.71	35.69
			For 2" Wall Instead Of 1", Add	23.44	
			For Aluminum Liner, Add	2.66	
			For 304 Stainless Steel Liner, Add	3.63	
			For 3" To 4" Wall Instead Of 1", Add	39.63	
23 51 16 00-0077	EA		8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	146.58	37.36
			For 2" Wall Instead Of 1", Add	25.31	
			For Aluminum Liner, Add	2.93	
			For 304 Stainless Steel Liner, Add	3.99	
			For 3" To 4" Wall Instead Of 1", Add	42.63	
23 51 16 00-0078	EA		10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	242.17	39.17
			For 2" Wall Instead Of 1", Add	53.09	
			For Aluminum Liner, Add	7.94	
			For 304 Stainless Steel Liner, Add	10.83	
			For 3" To 4" Wall Instead Of 1", Add	84.52	
23 51 16 00-0079	EA		12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	276.45	41.09
			For 2" Wall Instead Of 1", Add	62.40	
			For Aluminum Liner, Add	9.56	
			For 304 Stainless Steel Liner, Add	13.03	
			For 3" To 4" Wall Instead Of 1", Add	98.73	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51	16 00-0080	EA	14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	397.18	45.71
			For 2" Wall Instead Of 1", Add	96.33	
			For Aluminum Liner, Add	15.57	
			For 304 Stainless Steel Liner, Add	21.23	
			For 3" To 4" Wall Instead Of 1", Add	150.21	
23 51	16 00-0081	EA	16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	529.13	51.36
			For 2" Wall Instead Of 1", Add	133.07	
			For Aluminum Liner, Add	22.04	
			For 304 Stainless Steel Liner, Add	30.06	
			For 3" To 4" Wall Instead Of 1", Add	206.02	
23 51	16 00-0082	EA	18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	651.21	58.68
			For 2" Wall Instead Of 1", Add	166.02	
			For Aluminum Liner, Add	27.75	
			For 304 Stainless Steel Liner, Add	37.84	
			For 3" To 4" Wall Instead Of 1", Add	256.37	
23 51	16 00-0083	EA	20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	860.81	72.54
			For 2" Wall Instead Of 1", Add	222.02	
			For Aluminum Liner, Add	37.38	
			For 304 Stainless Steel Liner, Add	50.98	
			For 3" To 4" Wall Instead Of 1", Add	342.08	
23 51	16 00-0084	EA	22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,084.72	94.75
			For 2" Wall Instead Of 1", Add	278.04	
			For Aluminum Liner, Add	46.63	
			For 304 Stainless Steel Liner, Add	63.59	
			For 3" To 4" Wall Instead Of 1", Add	428.90	
23 51	16 00-0085	EA	24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,238.35	100.15
			For 2" Wall Instead Of 1", Add	321.43	
			For Aluminum Liner, Add	54.34	
			For 304 Stainless Steel Liner, Add	74.10	
			For 3" To 4" Wall Instead Of 1", Add	494.66	
23 51	16 00-0086	EA	26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,671.12	107.86
			For 2" Wall Instead Of 1", Add	447.39	
			For Aluminum Liner, Add	77.08	
			For 304 Stainless Steel Liner, Add	105.10	
			For 3" To 4" Wall Instead Of 1", Add	684.57	
23 51	16 00-0087	EA	28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,856.64	112.09
			For 2" Wall Instead Of 1", Add	500.97	
			For Aluminum Liner, Add	86.71	
			For 304 Stainless Steel Liner, Add	118.24	
			For 3" To 4" Wall Instead Of 1", Add	765.47	
23 51	16 00-0088	EA	30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,011.99	118.12
			For 2" Wall Instead Of 1", Add	544.54	
			For Aluminum Liner, Add	94.42	
			For 304 Stainless Steel Liner, Add	128.75	
			For 3" To 4" Wall Instead Of 1", Add	831.57	
23 51	16 00-0089	EA	32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,305.01	123.26
			For 2" Wall Instead Of 1", Add	629.89	
			For Aluminum Liner, Add	109.83	
			For 304 Stainless Steel Liner, Add	149.77	
			For 3" To 4" Wall Instead Of 1", Add	960.24	
23 51	16 00-0090	EA	34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,352.99	128.39
			For 2" Wall Instead Of 1", Add	641.70	
			For Aluminum Liner, Add	111.76	
			For 304 Stainless Steel Liner, Add	152.40	
			For 3" To 4" Wall Instead Of 1", Add	978.60	
23 51	16 00-0091	EA	36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,724.91	137.00
			For 2" Wall Instead Of 1", Add	748.96	
			For Aluminum Liner, Add	131.03	
			For 304 Stainless Steel Liner, Add	178.68	
			For 3" To 4" Wall Instead Of 1", Add	1,140.57	
23 51	16 00-0092	EA	38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,802.72	154.07
			For 2" Wall Instead Of 1", Add	763.75	
			For Aluminum Liner, Add	132.96	
			For 304 Stainless Steel Liner, Add	181.30	
			For 3" To 4" Wall Instead Of 1", Add	1,164.89	
23 51	16 00-0093	EA	40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,067.90	176.16
			For 2" Wall Instead Of 1", Add	832.31	
			For Aluminum Liner, Add	144.52	
			For 304 Stainless Steel Liner, Add	197.07	
			For 3" To 4" Wall Instead Of 1", Add	1,270.48	
23 51	16 00-0094	EA	42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,386.41	205.44
			For 2" Wall Instead Of 1", Add	913.21	
			For Aluminum Liner, Add	158.01	
			For 304 Stainless Steel Liner, Add	215.46	
			For 3" To 4" Wall Instead Of 1", Add	1,395.49	
23 51	16 00-0095	EA	44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,695.38	231.12
			For 2" Wall Instead Of 1", Add	993.15	
			For Aluminum Liner, Add	171.49	
			For 304 Stainless Steel Liner, Add	233.86	
			For 3" To 4" Wall Instead Of 1", Add	1,518.59	
23 51	16 00-0096	EA	46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,030.02	238.82
			For 2" Wall Instead Of 1", Add	1,089.68	
			For Aluminum Liner, Add	188.84	
			For 304 Stainless Steel Liner, Add	257.50	
			For 3" To 4" Wall Instead Of 1", Add	1,664.35	
23 51	16 00-0097	EA	48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,259.68	246.52
			For 2" Wall Instead Of 1", Add	1,154.68	
			For Aluminum Liner, Add	200.40	
			For 304 Stainless Steel Liner, Add	273.27	
			For 3" To 4" Wall Instead Of 1", Add	1,762.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 51 16 00-0098			<b>Vent Top Caps</b> (23 51 16 00-0001)		
23 51 16 00-0099	EA		3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	55.52	17.85
			For 2" Wall Instead Of 1", Add	7.72	
			For Aluminum Liner, Add	0.60	
			For 304 Stainless Steel Liner, Add	0.81	
			For 3" To 4" Wall Instead Of 1", Add	13.82	
23 51 16 00-0100	EA		4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	58.15	18.75
			For 2" Wall Instead Of 1", Add	8.10	
			For Aluminum Liner, Add	0.63	
			For 304 Stainless Steel Liner, Add	0.86	
			For 3" To 4" Wall Instead Of 1", Add	14.49	
23 51 16 00-0101	EA		6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	71.19	20.54
			For 2" Wall Instead Of 1", Add	11.09	
			For Aluminum Liner, Add	1.09	
			For 304 Stainless Steel Liner, Add	1.49	
			For 3" To 4" Wall Instead Of 1", Add	19.20	
23 51 16 00-0102	EA		8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	76.84	22.85
			For 2" Wall Instead Of 1", Add	11.65	
			For Aluminum Liner, Add	1.09	
			For 304 Stainless Steel Liner, Add	1.49	
			For 3" To 4" Wall Instead Of 1", Add	20.33	
23 51 16 00-0103	EA		10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	89.57	24.14
			For 2" Wall Instead Of 1", Add	14.80	
			For Aluminum Liner, Add	1.61	
			For 304 Stainless Steel Liner, Add	2.19	
			For 3" To 4" Wall Instead Of 1", Add	25.22	
23 51 16 00-0104	EA		12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	102.74	25.68
			For 2" Wall Instead Of 1", Add	17.98	
			For Aluminum Liner, Add	2.12	
			For 304 Stainless Steel Liner, Add	2.89	
			For 3" To 4" Wall Instead Of 1", Add	30.18	
23 51 16 00-0105	EA		16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	208.55	29.27
			For 2" Wall Instead Of 1", Add	47.90	
			For Aluminum Liner, Add	7.44	
			For 304 Stainless Steel Liner, Add	10.14	
			For 3" To 4" Wall Instead Of 1", Add	75.52	
23 51 16 00-0106	EA		18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	309.15	36.72
			For 2" Wall Instead Of 1", Add	92.41	
			For Aluminum Liner, Add	15.26	
			For 304 Stainless Steel Liner, Add	20.81	
			For 3" To 4" Wall Instead Of 1", Add	143.20	
23 51 16 00-0107	EA		20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	656.58	44.04
			For 2" Wall Instead Of 1", Add	174.97	
			For Aluminum Liner, Add	30.06	
			For 304 Stainless Steel Liner, Add	40.99	
			For 3" To 4" Wall Instead Of 1", Add	267.95	
23 51 16 00-0108	EA		24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,079.00	61.63
			For 2" Wall Instead Of 1", Add	292.88	
			For Aluminum Liner, Add	50.87	
			For 304 Stainless Steel Liner, Add	69.37	
			For 3" To 4" Wall Instead Of 1", Add	447.03	
23 51 16 00-0109	EA		26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,563.49	64.84
			For 2" Wall Instead Of 1", Add	436.63	
			For Aluminum Liner, Add	77.08	
			For 304 Stainless Steel Liner, Add	105.10	
			For 3" To 4" Wall Instead Of 1", Add	663.04	
23 51 16 00-0110	EA		28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,747.74	68.44
			For 2" Wall Instead Of 1", Add	490.08	
			For Aluminum Liner, Add	86.71	
			For 304 Stainless Steel Liner, Add	118.24	
			For 3" To 4" Wall Instead Of 1", Add	743.69	
23 51 16 00-0111	EA		30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,968.11	72.54
			For 2" Wall Instead Of 1", Add	554.16	
			For Aluminum Liner, Add	98.27	
			For 304 Stainless Steel Liner, Add	134.01	
			For 3" To 4" Wall Instead Of 1", Add	840.31	
23 51 16 00-0112	EA		32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,084.53	77.04
			For 2" Wall Instead Of 1", Add	586.83	
			For Aluminum Liner, Add	104.05	
			For 304 Stainless Steel Liner, Add	141.89	
			For 3" To 4" Wall Instead Of 1", Add	889.87	
23 51 16 00-0113	EA		34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,202.46	82.17
			For 2" Wall Instead Of 1", Add	619.64	
			For Aluminum Liner, Add	109.83	
			For 304 Stainless Steel Liner, Add	149.77	
			For 3" To 4" Wall Instead Of 1", Add	939.73	
23 51 16 00-0114	EA		36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,357.11	88.08
			For 2" Wall Instead Of 1", Add	663.13	
			For Aluminum Liner, Add	117.54	
			For 304 Stainless Steel Liner, Add	160.28	
			For 3" To 4" Wall Instead Of 1", Add	1,005.70	

23 51 16 00-0115 Wall Thimbles (23 51 16 00-0001)

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 51 16 00-0116	EA 3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	25.24	9.63
	For 2" Wall Instead Of 1", Add	2.77	
	For Aluminum Liner, Add	0.07	
	For 304 Stainless Steel Liner, Add	0.09	
	For 3" To 4" Wall Instead Of 1", Add	5.36	
23 51 16 00-0117	EA 4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	32.21	12.33
	For 2" Wall Instead Of 1", Add	3.48	
	For Aluminum Liner, Add	0.07	
	For 304 Stainless Steel Liner, Add	0.10	
	For 3" To 4" Wall Instead Of 1", Add	6.76	
23 51 16 00-0118	EA 5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	42.99	16.56
	For 2" Wall Instead Of 1", Add	4.61	
	For Aluminum Liner, Add	0.09	
	For 304 Stainless Steel Liner, Add	0.12	
	For 3" To 4" Wall Instead Of 1", Add	8.99	
23 51 16 00-0119	EA 7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	53.59	20.54
	For 2" Wall Instead Of 1", Add	5.81	
	For Aluminum Liner, Add	0.12	
	For 304 Stainless Steel Liner, Add	0.17	
	For 3" To 4" Wall Instead Of 1", Add	11.28	
23 51 16 00-0120	EA 10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	75.07	27.73
	For 2" Wall Instead Of 1", Add	8.66	
	For Aluminum Liner, Add	0.32	
	For 304 Stainless Steel Liner, Add	0.43	
	For 3" To 4" Wall Instead Of 1", Add	16.45	
23 51 16 00-0121	EA 12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	94.16	34.41
	For 2" Wall Instead Of 1", Add	11.04	
	For Aluminum Liner, Add	0.45	
	For 304 Stainless Steel Liner, Add	0.61	
	For 3" To 4" Wall Instead Of 1", Add	20.86	
23 51 16 00-0122	EA 14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	116.49	41.09
	For 2" Wall Instead Of 1", Add	14.41	
	For Aluminum Liner, Add	0.76	
	For 304 Stainless Steel Liner, Add	1.03	
	For 3" To 4" Wall Instead Of 1", Add	26.74	
23 51 16 00-0123	EA 18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	146.63	48.79
	For 2" Wall Instead Of 1", Add	19.60	
	For Aluminum Liner, Add	1.36	
	For 304 Stainless Steel Liner, Add	1.85	
	For 3" To 4" Wall Instead Of 1", Add	35.49	
23 51 16 00-0124	EA 22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	184.39	53.93
	For 2" Wall Instead Of 1", Add	28.36	
	For Aluminum Liner, Add	2.73	
	For 304 Stainless Steel Liner, Add	3.72	
	For 3" To 4" Wall Instead Of 1", Add	49.27	
<b>23 51 16 00-0125</b>	<b>Adjustable Roof Flashing (23 51 16 00-0001)</b>		
23 51 16 00-0126	EA 3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	65.08	22.85
	For 2" Wall Instead Of 1", Add	8.12	
	For Aluminum Liner, Add	0.44	
	For 304 Stainless Steel Liner, Add	0.60	
	For 3" To 4" Wall Instead Of 1", Add	15.03	
23 51 16 00-0127	EA 4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	70.83	24.14
	For 2" Wall Instead Of 1", Add	9.16	
	For Aluminum Liner, Add	0.57	
	For 304 Stainless Steel Liner, Add	0.78	
	For 3" To 4" Wall Instead Of 1", Add	16.76	
23 51 16 00-0128	EA 6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	85.81	27.35
	For 2" Wall Instead Of 1", Add	12.06	
	For Aluminum Liner, Add	0.96	
	For 304 Stainless Steel Liner, Add	1.30	
	For 3" To 4" Wall Instead Of 1", Add	21.51	
23 51 16 00-0129	EA 8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	102.71	31.59
	For 2" Wall Instead Of 1", Add	15.02	
	For Aluminum Liner, Add	1.31	
	For 304 Stainless Steel Liner, Add	1.78	
	For 3" To 4" Wall Instead Of 1", Add	26.48	
23 51 16 00-0130	EA 10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	150.81	34.28
	For 2" Wall Instead Of 1", Add	28.11	
	For Aluminum Liner, Add	3.58	
	For 304 Stainless Steel Liner, Add	4.89	
	For 3" To 4" Wall Instead Of 1", Add	46.45	
23 51 16 00-0131	EA 12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	176.01	37.36
	For 2" Wall Instead Of 1", Add	34.14	
	For Aluminum Liner, Add	4.55	
	For 304 Stainless Steel Liner, Add	6.20	
	For 3" To 4" Wall Instead Of 1", Add	55.87	
23 51 16 00-0132	EA 14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	204.31	41.09
	For 2" Wall Instead Of 1", Add	40.75	
	For Aluminum Liner, Add	5.59	
	For 304 Stainless Steel Liner, Add	7.62	
	For 3" To 4" Wall Instead Of 1", Add	66.26	
23 51 16 00-0133	EA 16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	240.40	45.71
	For 2" Wall Instead Of 1", Add	49.26	
	For Aluminum Liner, Add	6.94	
	For 304 Stainless Steel Liner, Add	9.46	
	For 3" To 4" Wall Instead Of 1", Add	79.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0134	EA		18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	345.65 78.01 11.95 16.29 123.43	51.36
23 51 16 00-0135	EA		20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	392.61 83.55 12.18 16.61 133.88	68.44
23 51 16 00-0136	EA		22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	500.44 106.10 15.42 21.02 170.16	88.08
23 51 16 00-0137	EA		24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	593.12 126.58 18.50 25.22 202.71	102.71
<b>23 51 16 00-0138 Galvanized Storm Collars (23 51 16 00-0001)</b>					
23 51 16 00-0139	EA		3" Round Galvanized Storm Collar, Double Wall ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	26.33 3.10 0.13 0.17 5.85	9.63
23 51 16 00-0140	EA		4" Round Galvanized Storm Collar, Double Wall ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	33.48 3.88 0.15 0.20 7.36	12.33
23 51 16 00-0141	EA		5" Round Galvanized Storm Collar, Double Wall ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	39.28 4.59 0.18 0.25 8.69	14.38
23 51 16 00-0142	EA		6" Round Galvanized Storm Collar, Double Wall ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	45.08 5.31 0.22 0.30 10.01	16.43
23 51 16 00-0143	EA		7" Or 8" Round Galvanized Storm Collar, Double Wall ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	56.67 6.73 0.29 0.40 12.66	20.54
23 51 16 00-0144	EA		10" Round Galvanized Storm Collar, Double Wall ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	77.66 9.43 0.46 0.62 17.61	27.73
23 51 16 00-0145	EA		12" Round Galvanized Storm Collar, Double Wall ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	96.02 11.60 0.55 0.75 21.70	34.41
23 51 16 00-0146	EA		14" Or 16" Round Galvanized Storm Collar, Double Wall ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	119.67 15.36 0.93 1.27 28.17	41.09
23 51 16 00-0147	EA		18" Or 20" Round Galvanized Storm Collar, Double Wall ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	152.67 21.41 1.69 2.30 38.21	48.79
23 51 16 00-0148	EA		22" Or 24" Round Galvanized Storm Collar, Double Wall ..... For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	199.49 32.89 3.56 4.85 56.07	53.93
<b>23 51 16 00-0149 Oval Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)</b>					
<b>23 51 16 00-0150 Oval Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0149)</b>					
23 51 16 00-0151	LF		4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	40.22 6.03 10.56	12.07
23 51 16 00-0152	LF		5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	43.79 6.77 11.74	12.84
23 51 16 00-0153	LF		6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	48.10 7.58 13.08	13.74
<b>23 51 16 00-0154 45 Degree Elbows (23 51 16 00-0149)</b>					

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0155	EA		4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	86.70	25.04
			<i>For 2" Wall Instead Of 1", Add</i>	13.48	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	23.36	
23 51 16 00-0156	EA		5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	101.22	29.27
			<i>For 2" Wall Instead Of 1", Add</i>	15.73	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	27.25	
23 51 16 00-0157	EA		6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	118.78	33.13
			<i>For 2" Wall Instead Of 1", Add</i>	19.07	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	32.74	
23 51 16 00-0158	EA		4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	87.91	25.04
			<i>For 2" Wall Instead Of 1", Add</i>	13.85	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	23.90	
23 51 16 00-0159	EA		5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	104.14	29.27
			<i>For 2" Wall Instead Of 1", Add</i>	16.60	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	28.57	
23 51 16 00-0160	EA		6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	120.67	33.13
			<i>For 2" Wall Instead Of 1", Add</i>	19.63	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	33.59	
<b>23 51 16 00-0161</b>			<b>Tees</b> <small>(23 51 16 00-0149)</small>		
23 51 16 00-0162	EA		4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe.....	141.02	38.01
			<i>For 2" Wall Instead Of 1", Add</i>	23.28	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	39.68	
23 51 16 00-0163	EA		4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe .....	142.91	38.01
			<i>For 2" Wall Instead Of 1", Add</i>	23.85	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	40.53	
23 51 16 00-0164	EA		5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe.....	164.16	43.65
			<i>For 2" Wall Instead Of 1", Add</i>	27.42	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	46.59	
23 51 16 00-0165	EA		6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe.....	186.77	48.92
			<i>For 2" Wall Instead Of 1", Add</i>	31.57	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	53.47	
<b>23 51 16 00-0166</b>			<b>Tops/Caps And Adjustable Flashing</b> <small>(23 51 16 00-0149)</small>		
23 51 16 00-0167	EA		4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe.....	51.74	12.33
			<i>For 2" Wall Instead Of 1", Add</i>	9.34	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	15.55	
23 51 16 00-0168	EA		6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe.....	77.96	16.56
			<i>For 2" Wall Instead Of 1", Add</i>	15.10	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	24.73	
23 51 16 00-0169	EA		4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	44.34	12.33
			<i>For 2" Wall Instead Of 1", Add</i>	7.12	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	12.22	
23 51 16 00-0170	EA		6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	71.00	16.56
			<i>For 2" Wall Instead Of 1", Add</i>	13.02	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	21.60	
<b>23 51 16 00-0171</b>			<b>Storm Collars</b> <small>(23 51 16 00-0149)</small>		
23 51 16 00-0172	EA		4" Oval Galvanized Storm Collar, Double Wall .....	33.48	12.33
			<i>For 2" Wall Instead Of 1", Add</i>	3.88	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.36	
23 51 16 00-0173	EA		5" Oval Galvanized Storm Collar, Double Wall .....	39.28	14.38
			<i>For 2" Wall Instead Of 1", Add</i>	4.59	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.69	
23 51 16 00-0174	EA		6" Oval Galvanized Storm Collar, Double Wall .....	45.08	16.43
			<i>For 2" Wall Instead Of 1", Add</i>	5.31	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.01	
<b>23 51 16 00-0175</b>			<b>Round Double Wall Flue/Vent Pipe And Fittings</b> <small>(23 51 16)</small>		
			Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
<b>23 51 16 00-0176</b>			<b>Round Double Wall Flue/Vent Pipe</b> <small>(23 51 16 00-0175)</small>		
			Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0177	LF		6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	99.50	13.74
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	13.04	
			<i>For 316 Stainless Steel, Add</i>	10.43	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	6.52	
23 51 16 00-0178	LF		8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	119.16	15.79
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	15.92	
			<i>For 316 Stainless Steel, Add</i>	12.74	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	7.96	
23 51 16 00-0179	LF		10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	131.93	17.08
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	17.84	
			<i>For 316 Stainless Steel, Add</i>	14.27	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	8.92	
23 51 16 00-0180	LF		12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	148.34	18.62
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	20.33	
			<i>For 316 Stainless Steel, Add</i>	16.27	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	10.17	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0181	LF		14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	165.93	19.51
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	23.40	
			<i>For 316 Stainless Steel, Add</i>	18.72	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	11.70	
23 51 16 00-0182	LF		16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	175.16	20.54
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	24.74	
			<i>For 316 Stainless Steel, Add</i>	19.79	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	12.37	
23 51 16 00-0183	LF		18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	193.19	21.70
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	27.81	
			<i>For 316 Stainless Steel, Add</i>	22.25	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	13.91	
23 51 16 00-0184	LF		20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	244.84	34.28
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	31.84	
			<i>For 316 Stainless Steel, Add</i>	25.47	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	15.92	
23 51 16 00-0185	LF		24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	301.55	38.52
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	41.05	
			<i>For 316 Stainless Steel, Add</i>	32.84	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	20.52	
23 51 16 00-0186	LF		28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	338.59	41.09
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	47.18	
			<i>For 316 Stainless Steel, Add</i>	37.75	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	23.59	
23 51 16 00-0187	LF		32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	378.70	45.59
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	52.94	
			<i>For 316 Stainless Steel, Add</i>	42.35	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	26.47	
23 51 16 00-0188	LF		36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	420.40	49.31
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	59.46	
			<i>For 316 Stainless Steel, Add</i>	47.57	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	29.73	
23 51 16 00-0189	LF		42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	479.88	56.11
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	67.90	
			<i>For 316 Stainless Steel, Add</i>	54.32	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	33.95	
23 51 16 00-0190	LF		48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	561.38	64.97
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	79.79	
			<i>For 316 Stainless Steel, Add</i>	63.83	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	39.90	
<b>23 51 16 00-0191</b>			<b>90 Degree Elbows</b> (23 51 16 00-0175)		
23 51 16 00-0192	EA		6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	441.08	28.38
			<i>For 316 Stainless Steel, Add</i>	74.04	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	74.04	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	37.02	
23 51 16 00-0193	EA		8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	487.49	31.59
			<i>For 316 Stainless Steel, Add</i>	81.71	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	81.71	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	40.85	
23 51 16 00-0194	EA		10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	553.69	34.28
			<i>For 316 Stainless Steel, Add</i>	93.60	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	93.60	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	46.80	
23 51 16 00-0195	EA		12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	624.64	37.36
			<i>For 316 Stainless Steel, Add</i>	106.26	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	106.26	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	53.13	
23 51 16 00-0196	EA		14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	721.21	39.17
			<i>For 316 Stainless Steel, Add</i>	124.67	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	124.67	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	62.34	
23 51 16 00-0197	EA		16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	793.18	41.09
			<i>For 316 Stainless Steel, Add</i>	138.10	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	138.10	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	69.05	
23 51 16 00-0198	EA		18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	913.67	43.27
			<i>For 316 Stainless Steel, Add</i>	161.11	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	161.11	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	80.56	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

HUMBOLDT STATE UNIVERSITY

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 51 16 00-0199	EA	20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,072.67	68.44
		<i>For 316 Stainless Steel, Add</i>	180.29	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	180.29	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	90.15	
23 51 16 00-0200	EA	24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,314.63	77.04
		<i>For 316 Stainless Steel, Add</i>	224.41	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	224.41	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	112.20	
23 51 16 00-0201	EA	28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,586.41	82.17
		<i>For 316 Stainless Steel, Add</i>	276.19	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	276.19	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	138.10	
23 51 16 00-0202	EA	32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,080.50	87.95
		<i>For 316 Stainless Steel, Add</i>	372.10	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	372.10	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	186.05	
23 51 16 00-0203	EA	36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,366.61	102.71
		<i>For 316 Stainless Steel, Add</i>	421.96	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	421.96	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	210.98	
23 51 16 00-0204	EA	42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	3,444.80	112.09
		<i>For 316 Stainless Steel, Add</i>	632.95	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	632.95	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	316.47	
23 51 16 00-0205	EA	48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	4,288.03	123.26
		<i>For 316 Stainless Steel, Add</i>	795.98	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	795.98	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	397.99	
<b>23 51 16 00-0206</b>		<b>45 Degree Elbows</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0207	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	300.52	27.35
		<i>For 316 Stainless Steel, Add</i>	46.42	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	46.42	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	23.21	
23 51 16 00-0208	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	343.64	31.59
		<i>For 316 Stainless Steel, Add</i>	52.94	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	52.94	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	26.47	
23 51 16 00-0209	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	381.02	34.28
		<i>For 316 Stainless Steel, Add</i>	59.07	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	59.07	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	29.54	
23 51 16 00-0210	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	432.85	37.36
		<i>For 316 Stainless Steel, Add</i>	67.90	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	67.90	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	33.95	
23 51 16 00-0211	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	485.29	39.17
		<i>For 316 Stainless Steel, Add</i>	77.49	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	77.49	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	38.74	
23 51 16 00-0212	EA	16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	541.92	41.09
		<i>For 316 Stainless Steel, Add</i>	87.85	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	87.85	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	43.92	
23 51 16 00-0213	EA	18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	604.87	43.27
		<i>For 316 Stainless Steel, Add</i>	99.35	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	99.35	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	49.68	
23 51 16 00-0214	EA	20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	738.94	68.44
		<i>For 316 Stainless Steel, Add</i>	113.55	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	113.55	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	56.77	
23 51 16 00-0215	EA	24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	921.46	77.04
		<i>For 316 Stainless Steel, Add</i>	145.77	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	145.77	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	72.89	
23 51 16 00-0216	EA	28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,030.19	82.17
		<i>For 316 Stainless Steel, Add</i>	164.95	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	164.95	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	82.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0217	EA		32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,322.88	87.95
			For 316 Stainless Steel, Add .....	220.57	
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	220.57	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	110.29	
23 51 16 00-0218	EA		36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,743.25	102.71
			For 316 Stainless Steel, Add .....	297.29	
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	297.29	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	148.65	
23 51 16 00-0219	EA		42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,293.99	112.09
			For 316 Stainless Steel, Add .....	402.78	
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	402.78	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	201.39	
23 51 16 00-0220	EA		48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	3,041.35	123.26
			For 316 Stainless Steel, Add .....	546.64	
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	546.64	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	273.32	
<b>23 51 16 00-0221</b>			<b>Tees <small>(23 51 16 00-0175)</small></b>		
23 51 16 00-0222	EA		6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	329.28	34.28
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	48.72	
			For 316 Stainless Steel, Add .....	53.59	
			For Tee Cap, Add .....	78.71	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	24.36	
23 51 16 00-0223	EA		8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	373.38	37.36
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	56.01	
			For 316 Stainless Steel, Add .....	61.61	
			For Tee Cap, Add .....	88.68	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	28.00	
23 51 16 00-0224	EA		10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	425.79	39.17
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	65.60	
			For 316 Stainless Steel, Add .....	72.16	
			For Tee Cap, Add .....	99.83	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	32.80	
23 51 16 00-0225	EA		12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	486.28	41.09
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	76.72	
			For 316 Stainless Steel, Add .....	84.39	
			For Tee Cap, Add .....	112.66	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	38.36	
23 51 16 00-0226	EA		14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	566.78	45.71
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	90.53	
			For 316 Stainless Steel, Add .....	99.58	
			For Tee Cap, Add .....	130.48	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	45.27	
23 51 16 00-0227	EA		16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	636.58	51.36
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	101.65	
			For 316 Stainless Steel, Add .....	111.82	
			For Tee Cap, Add .....	146.56	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	50.83	
23 51 16 00-0228	EA		18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	741.21	58.68
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	118.92	
			For 316 Stainless Steel, Add .....	130.81	
			For Tee Cap, Add .....	170.24	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	59.46	
23 51 16 00-0229	EA		20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	852.56	72.54
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	134.26	
			For 316 Stainless Steel, Add .....	147.69	
			For Tee Cap, Add .....	197.70	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	67.13	
23 51 16 00-0230	EA		24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,091.13	102.71
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	166.87	
			For 316 Stainless Steel, Add .....	183.55	
			For Tee Cap, Add .....	256.74	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	83.43	
23 51 16 00-0231	EA		28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,315.80	112.09
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	207.15	
			For 316 Stainless Steel, Add .....	227.86	
			For Tee Cap, Add .....	305.17	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	103.57	
23 51 16 00-0232	EA		32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,727.47	123.26
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	283.87	
			For 316 Stainless Steel, Add .....	312.25	
			For Tee Cap, Add .....	391.72	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	141.93	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 51 16 00-0233	EA 36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,924.94	137.00
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	316.47	
	<i>For 316 Stainless Steel, Add</i>	348.12	
	<i>For Tee Cap, Add</i>	436.37	
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	158.24	
23 51 16 00-0234	EA 42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	3,054.96	205.44
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	508.27	
	<i>For 316 Stainless Steel, Add</i>	559.10	
	<i>For Tee Cap, Add</i>	688.03	
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	254.14	
23 51 16 00-0235	EA 48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	3,829.02	246.52
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	642.54	
	<i>For 316 Stainless Steel, Add</i>	706.79	
	<i>For Tee Cap, Add</i>	858.26	
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	321.27	
<b>23 51 16 00-0236</b>	<b>Bellows</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0237	EA 6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	593.98	27.35
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	105.11	
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	52.55	
23 51 16 00-0238	EA 8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	648.60	31.59
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	113.93	
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	56.97	
23 51 16 00-0239	EA 10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	709.05	34.28
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	124.67	
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	62.34	
23 51 16 00-0240	EA 12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	783.84	37.36
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	138.10	
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	69.05	
23 51 16 00-0241	EA 14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	874.65	39.17
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	155.36	
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	77.68	
23 51 16 00-0242	EA 16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	965.80	41.09
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	172.62	
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	86.31	
23 51 16 00-0243	EA 18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,076.70	43.27
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	193.72	
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	96.86	
23 51 16 00-0244	EA 20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,264.45	68.44
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	218.65	
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	109.33	
23 51 16 00-0245	EA 24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,554.41	77.04
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	272.36	
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	136.18	
23 51 16 00-0246	EA 28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,739.87	82.17
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	306.88	
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	153.44	
23 51 16 00-0247	EA 32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,984.74	88.08
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	352.92	
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	176.46	
23 51 16 00-0248	EA 36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,270.73	102.71
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	402.78	
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	201.39	
23 51 16 00-0249	EA 42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,869.41	112.09
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	517.86	
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	258.93	
23 51 16 00-0250	EA 48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	3,472.90	123.26
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	632.95	
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	316.47	
<b>23 51 16 00-0251</b>	<b>Ventilated Roof Thimbles</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0252	EA 6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	405.06	31.59
	<i>For 316 Stainless Steel, Add</i>	32.61	
23 51 16 00-0253	EA 8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	442.43	37.36
	<i>For 316 Stainless Steel, Add</i>	34.91	
23 51 16 00-0254	EA 10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	484.37	41.09
	<i>For 316 Stainless Steel, Add</i>	38.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0255	EA		12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	524.66	45.71
			<i>For 316 Stainless Steel, Add</i> .....	41.05	
23 51 16 00-0256	EA		14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	659.84	48.40
			<i>For 316 Stainless Steel, Add</i> .....	53.90	
23 51 16 00-0257	EA		16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	596.37	51.36
			<i>For 316 Stainless Steel, Add</i> .....	46.80	
23 51 16 00-0258	EA		18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	641.46	54.82
			<i>For 316 Stainless Steel, Add</i> .....	50.44	
23 51 16 00-0259	EA		20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	733.50	77.04
			<i>For 316 Stainless Steel, Add</i> .....	54.09	
23 51 16 00-0260	EA		24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	824.05	87.95
			<i>For 316 Stainless Steel, Add</i> .....	60.42	
23 51 16 00-0261	EA		28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	936.97	94.75
			<i>For 316 Stainless Steel, Add</i> .....	70.01	
23 51 16 00-0262	EA		32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,043.02	102.59
			<i>For 316 Stainless Steel, Add</i> .....	78.64	
23 51 16 00-0263	EA		36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,171.07	123.13
			<i>For 316 Stainless Steel, Add</i> .....	86.31	
23 51 16 00-0264	EA		42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,483.46	136.87
			<i>For 316 Stainless Steel, Add</i> .....	114.12	
23 51 16 00-0265	EA		48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,823.44	153.94
			<i>For 316 Stainless Steel, Add</i> .....	143.85	
<b>23 51 16 00-0266</b>			<b>Exit Cones</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0267	EA		6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	276.79	17.85
23 51 16 00-0268	EA		8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	292.52	19.51
23 51 16 00-0269	EA		10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	314.12	20.54
23 51 16 00-0270	EA		12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	328.34	21.58
23 51 16 00-0271	EA		14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	360.47	22.21
23 51 16 00-0272	EA		16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	392.61	22.72
23 51 16 00-0273	EA		18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	472.94	23.50
23 51 16 00-0274	EA		20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	603.00	44.04
23 51 16 00-0275	EA		24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	751.45	47.38
23 51 16 00-0276	EA		28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	890.48	49.31
23 51 16 00-0277	EA		32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,087.42	51.36
23 51 16 00-0278	EA		36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,233.39	56.11
23 51 16 00-0279	EA		42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,546.94	58.68
23 51 16 00-0280	EA		48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,966.62	61.63
<b>23 51 16 00-0281</b>			<b>Vent Top Caps</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0282	EA		6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	301.61	17.85
23 51 16 00-0283	EA		8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	348.14	19.51
23 51 16 00-0284	EA		10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	402.31	20.54
23 51 16 00-0285	EA		12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	460.65	21.58
23 51 16 00-0286	EA		14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	534.95	22.21
23 51 16 00-0287	EA		16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	605.59	22.85
23 51 16 00-0288	EA		18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	672.46	23.50
23 51 16 00-0289	EA		20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	819.62	44.04
23 51 16 00-0290	EA		24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	972.01	47.38
23 51 16 00-0291	EA		28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,053.44	49.31
23 51 16 00-0292	EA		32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,192.83	51.36

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0293	EA		36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,386.68	55.98
23 51 16 00-0294	EA		42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,681.10	58.68
23 51 16 00-0295	EA		48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,947.34	61.63
<b>23 51 16 00-0296</b>			<b>Roof Support Assemblies (23 51 16 00-0175)</b>		
23 51 16 00-0297	EA		6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	459.91	32.87
			<i>For 316 Stainless Steel, Add</i>	75.57	
23 51 16 00-0298	EA		8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	510.22	39.17
			<i>For 316 Stainless Steel, Add</i>	82.47	
23 51 16 00-0299	EA		10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	560.69	43.27
			<i>For 316 Stainless Steel, Add</i>	90.53	
23 51 16 00-0300	EA		12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	600.26	48.27
			<i>For 316 Stainless Steel, Add</i>	95.90	
23 51 16 00-0301	EA		14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	667.35	51.36
			<i>For 316 Stainless Steel, Add</i>	107.79	
23 51 16 00-0302	EA		16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	708.55	54.82
			<i>For 316 Stainless Steel, Add</i>	114.31	
23 51 16 00-0303	EA		18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	760.64	58.81
			<i>For 316 Stainless Steel, Add</i>	122.75	
23 51 16 00-0304	EA		20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	857.57	82.17
			<i>For 316 Stainless Steel, Add</i>	130.43	
23 51 16 00-0305	EA		24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	965.91	94.88
			<i>For 316 Stainless Steel, Add</i>	145.77	
23 51 16 00-0306	EA		28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,110.31	102.71
			<i>For 316 Stainless Steel, Add</i>	170.70	
23 51 16 00-0307	EA		32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,315.82	112.09
			<i>For 316 Stainless Steel, Add</i>	207.15	
23 51 16 00-0308	EA		36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,531.74	137.00
			<i>For 316 Stainless Steel, Add</i>	237.83	
23 51 16 00-0309	EA		42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,245.63	154.07
			<i>For 316 Stainless Steel, Add</i>	372.10	
23 51 16 00-0310	EA		48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,739.53	175.14
			<i>For 316 Stainless Steel, Add</i>	460.32	
<b>23 51 16 00-0311</b>			<b>Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings (23 51 16)</b>		
			Note: With 1" insulation.		
<b>23 51 16 00-0312</b>			<b>Round Stainless Steel Double Wall Flue/Vent Pipe (23 51 16 00-0311)</b>		
			Note: With 1" insulation.		
23 51 16 00-0313	LF		6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	87.99	13.74
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	5.37	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	10.74	
23 51 16 00-0314	LF		7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	105.76	14.64
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	6.91	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	13.81	
23 51 16 00-0315	LF		8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	120.12	15.79
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	8.06	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	16.11	
23 51 16 00-0316	LF		10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	159.69	17.08
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	11.70	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	23.40	
23 51 16 00-0317	LF		12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	204.01	18.75
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	15.73	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	31.46	
23 51 16 00-0318	LF		14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	256.19	19.64
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	20.72	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	41.43	
<b>23 51 16 00-0319</b>			<b>90 Degree Elbows (23 51 16 00-0311)</b>		
23 51 16 00-0320	EA		6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe.....	188.37	27.35
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	11.99	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	23.98	
23 51 16 00-0321	EA		7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe.....	207.57	29.27
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	13.43	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	26.85	
23 51 16 00-0322	EA		8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe.....	232.43	31.59
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	15.34	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	30.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0323	EA		10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	285.12 19.95 39.89	34.28
23 51 16 00-0324	EA		12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	336.95 24.36 48.72	37.36
23 51 16 00-0325	EA		14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	389.32 29.15 58.31	39.17
<b>23 51 16 00-0326</b>			<b>45 Degree Elbows</b> (23 51 16 00-0311)		
23 51 16 00-0327	EA		6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	158.40 8.99 17.98	27.35
23 51 16 00-0328	EA		7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	174.00 10.07 20.14	29.27
23 51 16 00-0329	EA		8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	194.09 11.51 23.02	31.59
23 51 16 00-0330	EA		10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	235.25 14.96 29.92	34.28
23 51 16 00-0331	EA		12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	276.03 18.27 36.54	37.36
23 51 16 00-0332	EA		14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	316.49 21.87 43.73	39.17
<b>23 51 16 00-0333</b>			<b>Tees With Tee Caps</b> (23 51 16 00-0311)		
23 51 16 00-0334	EA		6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	294.75 22.63 45.27	27.35
23 51 16 00-0335	EA		7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	368.69 29.54 59.07	29.27
23 51 16 00-0336	EA		8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	412.70 33.37 66.75	31.59
23 51 16 00-0337	EA		10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	555.47 46.99 93.98	34.28
23 51 16 00-0338	EA		12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	755.03 66.17 132.34	37.36
23 51 16 00-0339	EA		14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	960.86 86.31 172.62	39.17
<b>23 51 16 00-0340</b>			<b>Joist Shields</b> (23 51 16 00-0311)		
23 51 16 00-0341	EA		6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	137.49	27.35
23 51 16 00-0342	EA		7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	148.12	29.27
23 51 16 00-0343	EA		8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	171.02	31.59
23 51 16 00-0344	EA		10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	209.40	34.28
23 51 16 00-0345	EA		12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	247.74	37.36
23 51 16 00-0346	EA		14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	289.58	39.17
<b>23 51 16 00-0347</b>			<b>Adjustable Roof Flashing</b> (23 51 16 00-0311)		
23 51 16 00-0348	EA		6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	159.54	27.35
23 51 16 00-0349	EA		7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	176.87	29.27
23 51 16 00-0350	EA		8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	192.10	31.59
23 51 16 00-0351	EA		10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	230.47	34.28
23 51 16 00-0352	EA		12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	280.44	37.36
23 51 16 00-0353	EA		14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	331.74	39.03
<b>23 51 16 00-0354</b>			<b>Vent Top Caps</b> (23 51 16 00-0311)		
23 51 16 00-0355	EA		6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	145.16	27.35
23 51 16 00-0356	EA		7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	177.83	29.27
23 51 16 00-0357	EA		8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	218.98	31.59
23 51 16 00-0358	EA		10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	336.96	34.28
23 51 16 00-0359	EA		12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	452.08	37.36
23 51 16 00-0360	EA		14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	569.63	39.17
<b>23 51 16 00-0361</b>			<b>Roof Support Assemblies</b> (23 51 16 00-0311)		
23 51 16 00-0362	EA		6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	205.48	27.35
23 51 16 00-0363	EA		7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	227.70	29.27
23 51 16 00-0364	EA		8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	246.77	31.59
23 51 16 00-0365	EA		10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	306.16	34.28
23 51 16 00-0366	EA		12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	359.96	37.36

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0367	EA		14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	435.38	39.17
23 51 16 00-0368			<b>Polyvinyl Chloride (PVC) Flue/Vent Accessories (23 51 16)</b>		
23 51 16 00-0369			<b>Concentric Polyvinyl Chloride (PVC) Vent Termination (23 51 16 00-0368)</b>		
23 51 16 00-0370	EA		2" Concentric Polyvinyl Chloride (PVC) Vent Termination .....	206.49	52.29
23 51 16 00-0371	EA		3" Concentric Polyvinyl Chloride (PVC) Vent Termination .....	221.06	52.29
23 51 16 00-0372			<b>Polypropylene (PP) Flue/Vent Pipe And Fittings (23 51 16)</b>		
			Note: Centrotherm InnoFlue® Vent System		
23 51 16 00-0373			<b>Polypropylene Flue/Vent Rigid Pipe Sections (23 51 16 00-0372)</b>		
			Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0374	EA		2" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	45.48	15.88
23 51 16 00-0375	EA		2" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	50.62	16.71
23 51 16 00-0376	EA		2" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	57.53	18.58
23 51 16 00-0377	EA		2" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	70.46	21.86
23 51 16 00-0378	EA		3" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	53.95	18.20
23 51 16 00-0379	EA		3" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	62.84	19.17
23 51 16 00-0380	EA		3" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	75.29	21.30
23 51 16 00-0381	EA		3" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	92.07	25.05
23 51 16 00-0382	EA		4" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	84.29	24.09
23 51 16 00-0383	EA		4" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	97.03	25.35
23 51 16 00-0384	EA		4" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	117.93	28.17
23 51 16 00-0385	EA		4" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	150.07	33.14
23 51 16 00-0386	EA		5" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	124.89	35.55
23 51 16 00-0387	EA		5" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	140.18	37.41
23 51 16 00-0388	EA		5" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	176.52	41.57
23 51 16 00-0389	EA		5" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	225.28	48.92
23 51 16 00-0390			<b>Polypropylene Flue/Vent Elbows (23 51 16 00-0372)</b>		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0391	EA		2" Polypropylene Flue/Vent 15 Degree Elbow .....	55.95	19.30
23 51 16 00-0392	EA		3" Polypropylene Flue/Vent 15 Degree Elbow .....	63.62	20.31
23 51 16 00-0393	EA		4" Polypropylene Flue/Vent 15 Degree Elbow .....	75.91	21.06
23 51 16 00-0394	EA		5" Polypropylene Flue/Vent 15 Degree Elbow .....	86.08	21.92
23 51 16 00-0395	EA		2" Polypropylene Flue/Vent 30 Degree Elbow .....	55.95	19.30
23 51 16 00-0396	EA		3" Polypropylene Flue/Vent 30 Degree Elbow .....	63.62	20.31
23 51 16 00-0397	EA		4" Polypropylene Flue/Vent 30 Degree Elbow .....	75.91	21.06
23 51 16 00-0398	EA		5" Polypropylene Flue/Vent 30 Degree Elbow .....	86.08	21.92
23 51 16 00-0399	EA		2" Polypropylene Flue/Vent 45 Degree Elbow .....	55.95	19.30
23 51 16 00-0400	EA		3" Polypropylene Flue/Vent 45 Degree Elbow .....	63.62	20.31
23 51 16 00-0401	EA		4" Polypropylene Flue/Vent 45 Degree Elbow .....	75.91	21.06
23 51 16 00-0402	EA		5" Polypropylene Flue/Vent 45 Degree Elbow .....	86.08	21.92
23 51 16 00-0403	EA		2" Polypropylene Flue/Vent 87 Degree Elbow .....	55.95	19.30
23 51 16 00-0404	EA		3" Polypropylene Flue/Vent 87 Degree Elbow .....	63.62	20.31
23 51 16 00-0405	EA		4" Polypropylene Flue/Vent 87 Degree Elbow .....	75.19	21.06
23 51 16 00-0406	EA		5" Polypropylene Flue/Vent 87 Degree Elbow .....	87.87	21.92
23 51 16 00-0407			<b>Polypropylene Flue/Vent Tees (23 51 16 00-0372)</b>		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0408	EA		2" Polypropylene Flue/Vent Tee .....	148.59	28.95
23 51 16 00-0409	EA		3" Polypropylene Flue/Vent Tee .....	181.87	30.48
23 51 16 00-0410	EA		4" Polypropylene Flue/Vent Tee .....	210.00	31.59
23 51 16 00-0411	EA		5" Polypropylene Flue/Vent Tee .....	228.39	32.87
23 51 16 00-0412			<b>Polypropylene Flue/Vent Adaptors (23 51 16 00-0372)</b>		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0413	EA		2" Polypropylene Flue/Vent Adaptor With Gasket .....	63.01	19.30
23 51 16 00-0414	EA		3" Polypropylene Flue/Vent Adaptor With Gasket .....	84.17	20.31
23 51 16 00-0415	EA		4" Polypropylene Flue/Vent Adaptor With Gasket .....	95.81	21.06
23 51 16 00-0416	EA		5" Polypropylene Flue/Vent Adaptor With Gasket .....	124.98	21.92
23 51 16 00-0417			<b>Polypropylene Flue/Vent Increases (23 51 16 00-0372)</b>		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0418	EA		2" to 3" Polypropylene Flue/Vent Centric Increaser .....	68.50	19.81
23 51 16 00-0419	EA		3" to 4" Polypropylene Flue/Vent Centric Increaser .....	74.18	20.69
23 51 16 00-0420	EA		4" to 5" Polypropylene Flue/Vent Centric Increaser .....	120.30	21.48
23 51 16 00-0421	EA		2" to 3" Polypropylene Flue/Vent Eccentric Increaser .....	86.62	19.81
23 51 16 00-0422	EA		3" to 4" Polypropylene Flue/Vent Eccentric Increaser .....	72.70	20.69
23 51 16 00-0423	EA		4" to 5" Polypropylene Flue/Vent Eccentric Increaser .....	158.99	21.48
23 51 16 00-0424			<b>Polypropylene Flue/Vent Reducers (23 51 16 00-0372)</b>		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0425	EA		3" to 2" Polypropylene Flue/Vent Reducer .....	68.50	19.81
23 51 16 00-0426	EA		4" to 3" Polypropylene Flue/Vent Reducer .....	74.18	20.69
23 51 16 00-0427	EA		5" to 4" Polypropylene Flue/Vent Reducer .....	144.42	21.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 51 16 00-0428

Polypropylene Flue/Vent Test Ports (23 51 16 00-0372)

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0429	EA	2" Polypropylene Flue/Vent Test Port	90.08	28.95
23 51 16 00-0430	EA	3" Polypropylene Flue/Vent Test Port	99.38	30.48
23 51 16 00-0431	EA	4" Polypropylene Flue/Vent Test Port	139.54	31.59
23 51 16 00-0432	EA	5" Polypropylene Flue/Vent Test Port	148.27	32.87

23 51 16 00-0433

Polypropylene Flue/Vent Cascade Components (23 51 16 00-0372)

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0434	EA	4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder	213.25	31.59
23 51 16 00-0435	EA	4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	277.71	39.48
23 51 16 00-0436	EA	5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder	181.16	32.87
23 51 16 00-0437	EA	5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	262.00	41.09
23 51 16 00-0438	EA	3" to 4" Polypropylene Flue/Vent Non-Return Valve	255.79	20.69
23 51 16 00-0439	EA	4" to 4" Polypropylene Flue/Vent Non-Return Valve	294.08	21.48

23 51 16 00-0440

Polypropylene Flue/Vent Condensate Management (23 51 16 00-0372)

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0441	EA	2" Polypropylene Flue/Vent Horizontal Drain Tee	114.54	28.95
23 51 16 00-0442	EA	3" Polypropylene Flue/Vent Horizontal Drain Tee	134.66	30.48
23 51 16 00-0443	EA	4" Polypropylene Flue/Vent Horizontal Drain Tee	151.46	31.59
23 51 16 00-0444	EA	5" Polypropylene Flue/Vent Horizontal Drain Tee	170.16	32.87
23 51 16 00-0445	EA	4" Polypropylene Flue/Vent Horizontal Drain Fittings	184.54	31.59
23 51 16 00-0446	EA	5" Polypropylene Flue/Vent Horizontal Drain Fittings	201.82	32.87
23 51 16 00-0447	EA	2" Polypropylene Flue/Vent Tee Cap	60.12	9.65
23 51 16 00-0448	EA	3" Polypropylene Flue/Vent Tee Cap	75.32	10.15
23 51 16 00-0449	EA	4" Polypropylene Flue/Vent Tee Cap	88.22	10.53
23 51 16 00-0450	EA	5" Polypropylene Flue/Vent Tee Cap	112.89	10.95
23 51 16 00-0451	EA	2" Polypropylene Flue/Vent Tee Cap With Drain	125.12	28.95
23 51 16 00-0452	EA	3" Polypropylene Flue/Vent Tee Cap With Drain	149.33	30.48
23 51 16 00-0453	EA	4" Polypropylene Flue/Vent Tee Cap With Drain	169.66	31.59
23 51 16 00-0454	EA	5" Polypropylene Flue/Vent Tee Cap With Drain	200.08	32.87

23 51 16 00-0455

Polypropylene Flue/Vent Terminations (23 51 16 00-0372)

23 51 16 00-0456	EA	2" Polypropylene-UV Black Flue/Vent Chimney Cover	147.30	19.30
23 51 16 00-0457	EA	3" Polypropylene-UV Black Flue/Vent Chimney Cover	132.70	20.31
23 51 16 00-0458	EA	4" Polypropylene-UV Black Flue/Vent Chimney Cover	162.40	21.06
23 51 16 00-0459	EA	3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	312.74	20.31
23 51 16 00-0460	EA	4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	333.39	21.06
23 51 16 00-0461	EA	5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	386.95	21.92
23 51 16 00-0462	EA	2 1/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	93.60	19.30
23 51 16 00-0463	EA	2 1/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	98.14	19.30
23 51 16 00-0464	EA	2 1/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	102.67	19.30
23 51 16 00-0465	EA	2 1/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	107.21	19.30
23 51 16 00-0466	EA	3 1/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	100.69	20.31
23 51 16 00-0467	EA	3 1/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	105.22	20.31
23 51 16 00-0468	EA	3 1/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	109.76	20.31
23 51 16 00-0469	EA	3 1/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	114.29	20.31
23 51 16 00-0470	EA	4 1/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	111.60	21.06
23 51 16 00-0471	EA	4 1/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	116.13	21.06
23 51 16 00-0472	EA	4 1/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	120.67	21.06
23 51 16 00-0473	EA	2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	98.09	19.30
23 51 16 00-0474	EA	3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	122.00	20.31
23 51 16 00-0475	EA	2" Polypropylene-UV Black Flue/Vent Termination Tee	119.45	28.95
23 51 16 00-0476	EA	3" Polypropylene-UV Black Flue/Vent Termination Tee	150.93	30.48
23 51 16 00-0477	EA	4" Polypropylene-UV Black Flue/Vent Termination Tee	174.73	31.59
23 51 16 00-0478	EA	5" Polypropylene-UV Black Flue/Vent Termination Tee	190.90	32.87
23 51 16 00-0479	EA	2" x 20" Polypropylene-UV Black Flue/Vent End Pipe	47.86	16.71
23 51 16 00-0480	EA	2" x 39" Polypropylene-UV Black Flue/Vent End Pipe	56.08	18.58
23 51 16 00-0481	EA	3" x 20" Polypropylene-UV Black Flue/Vent End Pipe	56.80	19.17
23 51 16 00-0482	EA	3" x 39" Polypropylene-UV Black Flue/Vent End Pipe	68.76	21.30
23 51 16 00-0483	EA	4" x 20" Polypropylene-UV Black Flue/Vent End Pipe	82.76	25.35
23 51 16 00-0484	EA	5" x 20" Polypropylene-UV Black Flue/Vent End Pipe	116.24	37.41
23 51 16 00-0485	EA	5" x 39" Polypropylene-UV Black Flue/Vent End Pipe	137.75	41.57
23 51 16 00-0486	EA	2" x 24" Polypropylene-UV Black Flue/Vent Vent Length	51.49	16.71
23 51 16 00-0487	EA	3" x 24" Polypropylene-UV Black Flue/Vent Vent Length	64.34	19.17
23 51 16 00-0488	EA	4" x 24" Polypropylene-UV Black Flue/Vent Vent Length	100.40	25.35
23 51 16 00-0489	EA	2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	57.39	19.30
23 51 16 00-0490	EA	3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	65.43	20.31
23 51 16 00-0491	EA	4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	78.24	21.06
23 51 16 00-0492	EA	2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	56.71	19.30
23 51 16 00-0493	EA	3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	64.98	20.31
23 51 16 00-0494	EA	4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	77.44	21.06
23 51 16 00-0495	EA	2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	34.58	9.65
23 51 16 00-0496	EA	3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	39.41	10.15
23 51 16 00-0497	EA	4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	43.46	10.53
23 51 16 00-0498	EA	3" Stainless Steel Bird Screen For Polypropylene Flue/Vent	76.57	10.15
23 51 16 00-0499	EA	5" Stainless Steel Bird Screen For Polypropylene Flue/Vent	87.41	10.95

23 51 16 00-0500

Polypropylene Flue/Vent Accessories (23 51 16 00-0372)

23 51 16 00-0501	EA	2" Spacer For Polypropylene Flue/Vent	17.55	4.83
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**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

HUMBOLDT STATE UNIVERSITY

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 51 16 00-0502	EA	3" Spacer For Polypropylene Flue/Vent .....	17.11	5.08
23 51 16 00-0503	EA	4" Spacer For Polypropylene Flue/Vent .....	17.65	5.26
23 51 16 00-0504	EA	5" Spacer For Polypropylene Flue/Vent .....	25.56	5.48
23 51 16 00-0505	EA	2" Flue Clamp For Polypropylene Flue/Vent .....	31.61	7.25
23 51 16 00-0506	EA	3" Flue Clamp For Polypropylene Flue/Vent .....	36.43	7.62
23 51 16 00-0507	EA	4" Flue Clamp For Polypropylene Flue/Vent .....	41.50	7.90
23 51 16 00-0508	EA	2" Support Clamp For Polypropylene Flue/Vent.....	30.35	7.25
23 51 16 00-0509	EA	4" Support Clamp For Polypropylene Flue/Vent.....	30.82	7.90
23 51 16 00-0510	EA	5" Support Clamp For Polypropylene Flue/Vent.....	36.43	8.22
23 51 16 00-0511	EA	3" Plastic Support Clamp For Polypropylene Flue/Vent.....	24.85	7.62
23 51 16 00-0512	EA	2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	52.82	19.30
23 51 16 00-0513	EA	3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	57.47	20.31
23 51 16 00-0514	EA	4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	61.21	21.06
23 51 16 00-0515	EA	5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	67.07	21.92
23 51 16 00-0516	EA	2" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	2.91	
23 51 16 00-0517	EA	3" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	3.26	
23 51 16 00-0518	EA	4" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	4.41	
23 51 16 00-0519	EA	5" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	7.28	
23 51 16 00-0520	EA	2" Connector Ring For Polypropylene Flue/Vent.....	15.19	4.83
23 51 16 00-0521	EA	3" Connector Ring For Polypropylene Flue/Vent.....	16.89	5.08
23 51 16 00-0522	EA	4" Connector Ring For Polypropylene Flue/Vent.....	18.02	5.26
23 51 16 00-0523	EA	5" Connector Ring For Polypropylene Flue/Vent.....	19.65	5.48
23 51 16 00-0524	EA	2"1/4" Polypropylene Flue/Vent Air Intake, White .....	64.66	9.65
23 51 16 00-0525	EA	3"5/8" Polypropylene Flue/Vent Air Intake, White .....	66.51	10.15
23 51 16 00-0526	EA	4"5/8" Polypropylene Flue/Vent Air Intake, White .....	51.79	10.53
23 51 16 00-0527	EA	2" Base Support For Polypropylene Flue/Vent.....	55.30	7.25
23 51 16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent.....	57.16	7.62
23 51 16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent.....	74.89	7.90
23 51 16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent.....	122.81	8.22

**23 51 16 00-0531 Polypropylene Flue/Vent Flex Pipe** (23 51 16 00-0372)

23 51 16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	10.29	1.69
23 51 16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe .....	9.08	1.69
23 51 16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	12.58	2.00
23 51 16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe .....	11.07	2.00
23 51 16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	17.81	2.47
23 51 16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe .....	15.48	2.47

**23 51 16 00-0538 Polypropylene Flue/Vent Couplers** (23 51 16 00-0372)

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex.....	78.30	19.30
23 51 16 00-0540	EA	2" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	85.87	19.30
23 51 16 00-0541	EA	3" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	159.87	20.31
23 51 16 00-0542	EA	4" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	279.39	21.06
23 51 16 00-0543	EA	2" Polypropylene Flue/Vent Coupler, Flex to Flex.....	88.10	19.30
23 51 16 00-0544	EA	3" Polypropylene Flue/Vent Coupler, Flex to Flex.....	187.53	20.31
23 51 16 00-0545	EA	4" Polypropylene Flue/Vent Coupler, Flex to Flex.....	460.79	21.06

**23 51 16 00-0546 Polypropylene Flue/Vent Flex End Terminations** (23 51 16 00-0372)

23 51 16 00-0547	EA	2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	98.15	19.30
23 51 16 00-0548	EA	3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	92.65	20.31
23 51 16 00-0549	EA	4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	111.35	21.06

**23 51 16 00-0550 Aluminum Flue/Vent Fittings** (23 51 16)**23 51 16 00-0551 Aluminum Vent Top Caps** (23 51 16 00-0550)

23 51 16 00-0552	EA	3" Aluminum Vent Cap (Star-Kap® 3-SK).....	93.28	19.13
23 51 16 00-0553	EA	4" Aluminum Vent Cap (Star-Kap® 4-SK).....	98.97	18.75
23 51 16 00-0554	EA	5" Aluminum Vent Cap (Star-Kap® 5-SK).....	106.85	19.64
23 51 16 00-0555	EA	6" Aluminum Vent Cap (Star-Kap® 6-SK).....	143.89	20.54
23 51 16 00-0556	EA	8" Aluminum Vent Cap (Star-Kap® 8-SK).....	160.80	22.85
23 51 16 00-0557	EA	10" Aluminum Vent Cap (Star-Kap® 10-SK).....	428.14	24.14
23 51 16 00-0558	EA	12" Aluminum Vent Cap (Star-Kap® 12-SK).....	439.50	25.68

**23 52 Heating Boilers** (23 50)**23 52 13 Electric Boilers** (23 52)**23 52 13 00-0001 Packaged Electric Steam Boiler** (23 52 13)

Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH gross rated output.

23 52 13 00-0002	EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls .....	7,682.70	562.60
23 52 13 00-0003	EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls .....	8,293.11	656.37
23 52 13 00-0004	EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls .....	8,909.04	703.26
23 52 13 00-0005	EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls .....	9,925.60	750.14
23 52 13 00-0006	EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls .....	10,917.45	797.03
23 52 13 00-0007	EA	80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls .....	12,751.25	890.80
23 52 13 00-0008	EA	100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls .....	14,585.15	984.56
23 52 13 00-0009	EA	120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls .....	15,169.59	1,031.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 13 00-0010	EA		140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls	15,956.77	1,078.33
23 52 13 00-0011	EA		160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	20,908.76	1,172.09
23 52 13 00-0012	EA		180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	21,794.44	1,218.98
23 52 13 00-0013	EA		200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	22,910.07	1,339.78
23 52 13 00-0014	EA		220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	23,864.34	1,439.02
23 52 13 00-0015	EA		240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	25,753.15	1,538.26
23 52 13 00-0016	EA		260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	27,740.29	1,687.12
23 52 13 00-0017	EA		280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	29,490.16	1,736.75
23 52 13 00-0018	EA		300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	30,930.30	1,786.37
23 52 13 00-0019	EA		320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	32,824.95	1,835.99
23 52 13 00-0020	EA		360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	34,720.10	1,885.61
23 52 13 00-0021	EA		400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	37,152.09	1,984.86
23 52 13 00-0022	EA		460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	39,653.56	2,084.10
23 52 13 00-0023	EA		500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	42,105.40	2,133.72
23 52 13 00-0024	EA		600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	46,713.31	2,183.34
23 52 13 00-0025	EA		700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	50,311.68	2,282.59
23 52 13 00-0026	EA		756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	51,527.68	2,381.82
23 52 13 00-0027	EA		828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	56,703.22	2,530.69
23 52 13 00-0028	EA		936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	58,530.54	2,679.55
23 52 13 00-0029	EA		1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	60,457.09	2,828.41
23 52 13 00-0030	EA		1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	64,251.92	2,977.28
23 52 13 00-0031	EA		1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	65,934.98	3,076.53
23 52 13 00-0032	EA		1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	68,145.99	3,275.00
23 52 13 00-0033	EA		1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	70,478.74	3,473.49
23 52 13 00-0034	EA		1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	77,035.00	3,671.98
23 52 13 00-0035	EA		1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	81,226.80	3,870.47

23 52 13 00-0036

Packaged Electric Hot Water Boiler (23 52 13)

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH gross rated output.

23 52 13 00-0037	EA		9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	6,693.80	515.72
23 52 13 00-0038	EA		12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	7,054.72	562.60
23 52 13 00-0039	EA		18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	7,415.64	609.49
23 52 13 00-0040	EA		24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	7,763.84	656.37
23 52 13 00-0041	EA		36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	8,164.39	703.26
23 52 13 00-0042	EA		48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	8,462.15	750.14
23 52 13 00-0043	EA		60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	8,823.07	797.03
23 52 13 00-0044	EA		72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	9,364.45	843.91
23 52 13 00-0045	EA		84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	9,832.67	890.80
23 52 13 00-0046	EA		90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	10,121.40	937.68
23 52 13 00-0047	EA		105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	10,867.39	984.56
23 52 13 00-0048	EA		120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	11,568.63	1,031.45
23 52 13 00-0049	EA		135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	12,835.64	1,078.33
23 52 13 00-0050	EA		150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	13,658.18	1,125.22
23 52 13 00-0051	EA		165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	14,352.73	1,172.09
23 52 13 00-0052	EA		180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	15,590.65	1,218.98
23 52 13 00-0053	EA		195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	17,062.07	1,339.78
23 52 13 00-0054	EA		225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	18,352.36	1,439.02
23 52 13 00-0055	EA		240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	19,790.90	1,538.26
23 52 13 00-0056	EA		270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	21,140.41	1,687.12
23 52 13 00-0057	EA		300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	22,538.96	1,786.37
23 52 13 00-0058	EA		330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	23,833.72	1,885.61
23 52 13 00-0059	EA		360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	25,624.71	1,935.23
23 52 13 00-0060	EA		390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	27,311.97	1,984.86
23 52 13 00-0061	EA		420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	28,927.06	2,084.10
23 52 13 00-0062	EA		450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	30,625.89	2,084.10
23 52 13 00-0063	EA		504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	33,564.79	2,133.72
23 52 13 00-0064	EA		612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	35,131.26	2,183.34
23 52 13 00-0065	EA		684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	37,083.70	2,282.59
23 52 13 00-0066	EA		720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	38,581.51	2,332.20
23 52 13 00-0067	EA		750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	40,084.38	2,381.82
23 52 13 00-0068	EA		810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls	41,201.04	2,530.69
23 52 13 00-0069	EA		900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls	43,231.42	2,679.55
23 52 13 00-0070	EA		1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	50,368.14	2,828.41
23 52 13 00-0071	EA		1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	55,279.94	2,977.28
23 52 13 00-0072	EA		1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	57,448.44	3,076.53
23 52 13 00-0073	EA		1350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls	59,853.05	3,275.00
23 52 13 00-0074	EA		1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls	62,257.67	3,473.49
23 52 13 00-0075	EA		1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls	69,051.96	3,671.98
23 52 13 00-0076	EA		1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	73,419.05	3,870.47
23 52 13 00-0077	EA		1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	75,282.28	3,969.71
23 52 13 00-0078	EA		1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	77,145.51	4,068.95
23 52 13 00-0079	EA		1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	77,542.49	4,217.81
23 52 13 00-0080	EA		2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	83,272.04	4,317.06
23 52 13 00-0081	EA		2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	87,097.75	4,465.92
23 52 13 00-0082	EA		2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	93,503.98	4,763.65
23 52 13 00-0083	EA		2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	100,713.16	5,259.86
23 52 13 00-0084	EA		3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	108,977.96	5,855.32
23 52 13 00-0085	EA		3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls	115,384.19	6,450.77

23 52 16 Condensing Boilers (23 52)

23 52 16 13 Stainless-Steel Condensing Boilers (23 52 16)

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0001			<b>Hamilton Evo Series Stainless Steel Condensing Boilers</b> <small>(23 52 16 13)</small> Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code). Rated by gross rated output.		
23 52 16 13-0002	EA		75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79).....	11,841.08	375.08
23 52 16 13-0003	EA		127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129).....	12,482.02	499.60
23 52 16 13-0004	EA		168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179).....	13,300.62	562.51
23 52 16 13-0005	EA		187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1).....	14,100.33	593.83
23 52 16 13-0006	EA		281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299).....	18,646.27	687.60
23 52 16 13-0007	EA		374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399).....	21,599.49	750.05
23 52 16 13-0008	EA		589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599).....	29,229.51	875.04
23 52 16 13-0009	EA		785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798)..... Note: Includes vent manifold.	40,711.61	1,000.13
23 52 16 13-0010	EA		980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998)..... Note: Includes vent manifold.	49,833.93	1,093.89
23 52 16 13-0011	EA		1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499).....	72,057.46	1,281.33
23 52 16 13-0012	EA		1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999).....	79,421.05	1,375.10
23 52 16 13-0013			<b>Buderus SB615 Stainless Steel Condensing Boilers</b> <small>(23 52 16 13)</small> Note: Includes Riello burners. Rated by gross rated output.		
23 52 16 13-0014	EA		484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145).....	36,075.51	812.59
23 52 16 13-0015	EA		612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185).....	37,844.53	875.04
23 52 16 13-0016	EA		791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240).....	42,093.89	1,000.13
23 52 16 13-0017	EA		1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310).....	45,631.92	1,125.12
23 52 16 13-0018	EA		1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400).....	50,833.38	1,218.88
23 52 16 13-0019	EA		1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510).....	58,126.81	1,281.33
23 52 16 13-0020	EA		2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640).....	69,391.17	1,375.10
23 52 16 13-0021			<b>Buderus SB735 Stainless Steel Condensing Boilers</b> <small>(23 52 16 13)</small> Note: Includes Riello burners. Rated by gross rated output.		
23 52 16 13-0022	EA		2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790).....	74,176.75	1,500.10
23 52 16 13-0023	EA		3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970).....	85,976.94	1,562.64
23 52 16 13-0024	EA		4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200).....	99,705.69	1,625.19
23 52 16 13-0025			<b>Lochinvar Knight Stainless Steel Condensing Boilers</b> <small>(23 52 16 13)</small> Note: Rated by gross rated output.		
23 52 16 13-0026	EA		165 MBH 95.7% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211).....	9,870.12	562.51
23 52 16 13-0027	EA		226 MBH 96% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN286).....	12,934.13	625.05
23 52 16 13-0028			<b>Lochinvar Knight XL Stainless Steel Condensing Boilers</b> <small>(23 52 16 13)</small> Note: Rated by gross rated output.		
23 52 16 13-0029	EA		324 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN400).....	17,275.53	718.82
23 52 16 13-0030	EA		406 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN501).....	21,281.60	750.05
23 52 16 13-0031	EA		493 MBH 94.6% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN601).....	25,026.21	812.59
23 52 16 13-0032	EA		574 MBH 94.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN701).....	28,832.32	843.82
23 52 16 13-0033	EA		654 MBH 94% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN801).....	33,096.10	906.36
23 52 16 13-0034			<b>Lochinvar SYNC Stainless Steel Condensing Boilers</b> <small>(23 52 16 13)</small> Note: Rated by gross rated output.		
23 52 16 13-0035	EA		941 MBH 94.1% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1000).....	45,391.89	1,093.89
23 52 16 13-0036	EA		1,240 MBH 95.4% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1300).....	51,715.51	1,187.57
23 52 16 13-0037	EA		1,443 MBH 96.2% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1500).....	55,539.00	1,281.33
23 52 16 13-0038			<b>Lochinvar Crest Stainless Steel Condensing Boilers</b> <small>(23 52 16 13)</small> Note: Rated by gross rated output.		
23 52 16 13-0039	EA		1,380 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1500).....	55,199.94	1,218.88
23 52 16 13-0040	EA		1,840 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2000).....	66,225.79	1,375.10
23 52 16 13-0041	EA		2,300 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2500).....	86,285.31	1,437.65
23 52 16 13-0042	EA		2,760 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3000).....	95,166.85	1,500.10
23 52 16 13-0043	EA		3,220 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3500).....	113,363.39	1,562.64
23 52 16 13-0044			<b>Laars Neotherm Stainless Steel Condensing Boiler</b> <small>(23 52 16 13)</small> Note: Compliant with SCAQMD. Rated by gross rated input.		
23 52 16 13-0045	EA		80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080).....	5,718.91	406.29
23 52 16 13-0046	EA		105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105).....	6,531.74	468.83
23 52 16 13-0047	EA		150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150).....	7,344.19	562.51
23 52 16 13-0048	EA		210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210).....	8,178.15	625.05
23 52 16 13-0049	EA		285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285).....	10,220.49	687.60
23 52 16 13-0050	EA		399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399).....	13,250.43	750.05
23 52 16 13-0051	EA		500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500).....	15,857.96	812.59

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 16 13-0052	EA		600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600) .....	17,585.50	875.04
23 52 16 13-0053	EA		750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750) .....	19,093.03	937.59
23 52 16 13-0054	EA		850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850) .....	20,788.11	1,062.57
23 52 16 13-0055	EA		1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000) .....	29,315.81	1,125.12
23 52 16 13-0056	EA		1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700) .....	38,846.59	1,312.65
23 52 16 13-0057	EA		150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150) .....	13,012.78	562.51
23 52 16 13-0058	EA		199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199) .....	15,009.64	750.14
23 52 16 13-0059	EA		285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285) .....	19,601.32	843.91
23 52 16 13-0060	EA		399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399) .....	24,605.19	1,031.45
23 52 16 13-0061	EA		500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500) .....	29,039.83	1,125.22
23 52 16 13-0062	EA		600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600) .....	32,821.06	1,218.98
23 52 16 13-0063	EA		750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750) .....	39,349.00	1,312.75
23 52 16 13-0064	EA		850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850) .....	43,593.05	1,406.52
23 52 16 13-0065	EA		1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000) .....	57,215.52	1,500.28
23 52 16 13-0066	EA		1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700) .....	76,896.67	1,969.12

**23 52 16 13-0067 AERCO Benchmark Stainless-Steel Condensing Boilers (23 52 16 13)**

Note: Rated by gross rated output.

23 52 16 13-0068	EA		1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN) .....	46,013.32	1,281.33
			Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0069	EA		2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN) .....	54,657.37	1,375.10
			Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0070	EA		3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) .....	78,754.63	1,531.42
			Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0071	EA		3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) .....	83,948.55	1,531.42
			Note: Includes gas PRV and pump delay relay.		

**23 52 16 16 Aluminum Condensing Boilers (23 52 16)**

**23 52 16 16-0001 Weil McLain Aluminum Condensing Boilers (23 52 16 16)**

Note: Rated by gross rated output.

23 52 16 16-0002	EA		80 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) .....	6,467.92	406.29
			Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0003	EA		105 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) .....	7,133.36	468.83
			Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0004	EA		155 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) .....	8,051.86	562.51
			Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0005	EA		230 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) .....	9,035.90	625.05
			Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0006	EA		310 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) .....	11,706.70	718.82
			Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		

**23 52 16 16-0007 Patterson Kelly Mach Series Aluminum Condensing Boilers (23 52 16 16)**

Note: Rated by gross rated output.

23 52 16 16-0008	EA		300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C300) .....	18,695.51	687.60
23 52 16 16-0009	EA		450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C450) .....	21,042.72	781.37
23 52 16 16-0010	EA		750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C750) .....	23,794.09	937.59
23 52 16 16-0011	EA		900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C900) .....	35,399.72	1,062.57
23 52 16 16-0012	EA		1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1050) .....	36,972.70	1,125.12
23 52 16 16-0013	EA		1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1500) .....	57,572.70	1,281.33
23 52 16 16-0014	EA		2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2000) .....	62,349.43	1,375.10
23 52 16 16-0015	EA		2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2500) .....	72,218.87	1,500.10
23 52 16 16-0016	EA		3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C3000) .....	89,562.31	1,531.42
23 52 16 16-0017	EA		4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C4000) .....	109,440.69	1,625.19

**23 52 16 16-0018 Buderus GB142 Wall Hung Aluminum Condensing Boilers (23 52 16 16)**

Note: Includes standard controls. Rated by gross rated output.

23 52 16 16-0019	EA		75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24) .....	7,735.81	375.08
			Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0020	EA		95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30) .....	8,981.17	437.52
			Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0021	EA		143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45) .....	10,316.79	531.29
			Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0022	EA		193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60) .....	11,275.74	593.83
			Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0023	EA		Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46) .....	333.39	93.77
23 52 16 16-0024	EA		Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3) .....	454.63	93.77
23 52 16 16-0025	EA		Optional GB Floor Stand For GB142 (Buderus 7098265) .....	1,038.02	93.77

**23 52 16 16-0026 Buderus GB162 Wall Hung Aluminum Condensing Boilers (23 52 16 16)**

Note: Includes standard controls. Rated by gross rated output.

23 52 16 16-0027	EA		290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80) .....	10,590.89	687.60
			Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.		
23 52 16 16-0028	EA		333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100) .....	13,135.24	718.82
			Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0029	EA		580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	25,656.52	843.82
23 52 16 16-0030	EA		580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	23,946.88	843.82
23 52 16 16-0031	EA		666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	30,745.20	906.36
23 52 16 16-0032	EA		666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	29,035.56	906.36
23 52 16 16-0033	EA		870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	35,740.41	1,062.57
23 52 16 16-0034	EA		999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	43,279.66	1,125.12
23 52 16 16-0035	EA		1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	44,469.05	1,187.57
23 52 16 16-0036	EA		1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	45,153.77	1,187.57
23 52 16 16-0037	EA		1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	54,365.12	1,218.88
23 52 16 16-0038	EA		1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	55,049.84	1,218.88
23 52 16 16-0039	EA		EMS Control Module For Condensing Boiler (Buderus RC35).....	719.39	93.77
<b>23 52 16 16-0040</b>			<b>Buderus GB312 Aluminum Condensing Boilers</b> (23 52 16 16) Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0041	EA		305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90)..... Note: Includes an aluminum heat exchanger.	21,005.51	687.60
23 52 16 16-0042	EA		409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120)..... Note: Includes an aluminum heat exchanger.	23,108.39	750.05
23 52 16 16-0043	EA		544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160)..... Note: Includes an aluminum heat exchanger.	27,472.23	828.16
23 52 16 16-0044	EA		676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200)..... Note: Includes an aluminum heat exchanger.	31,642.77	906.36
23 52 16 16-0045	EA		810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240)..... Note: Includes an aluminum heat exchanger.	37,968.85	1,000.13
23 52 16 16-0046	EA		944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280)..... Note: Includes an aluminum heat exchanger.	41,940.28	1,093.89
23 52 16 16-0047	EA		Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985).....	620.93	46.88
23 52 16 16-0048	EA		Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125).....	287.06	46.88
23 52 16 16-0049	EA		Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550).....	422.37	46.88
23 52 16 16-0050	EA		Optional Condensate Neutralization Tank For GB312 (Buderus 63035899).....	924.93	46.88
<b>23 52 16 19</b>			<b>Copper Water-Tube Condensing Boilers</b> (23 52 16)		
<b>23 52 16 19-0001</b>			<b>Laars Rheos+ Copper Fin Tube Condensing Boilers</b> (23 52 16 19) Note: Rated by gross rated output.		
23 52 16 19-0002	EA		1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	43,271.31	1,187.57
23 52 16 19-0003	EA		1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	48,800.33	1,312.65
23 52 16 19-0004	EA		2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	53,426.71	1,375.10
23 52 16 19-0005	EA		2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	57,674.13	1,437.65
<b>23 52 16 23</b>			<b>Cast Iron Condensing Boilers</b> (23 52 16)		
<b>23 52 16 23-0001</b>			<b>Hydrotherm KN Cast Iron Condensing Boilers</b> (23 52 16 23) Note: Rated by gross rated output.		
23 52 16 23-0002	EA		199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2).....	14,522.74	593.83
23 52 16 23-0003	EA		399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4).....	21,287.21	750.05
23 52 16 23-0004	EA		600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6).....	35,084.51	875.04

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 16 23-0005	EA		1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10)	46,058.13	1,125.12
23 52 16 23-0006	EA		1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16)	61,444.43	1,312.65
23 52 16 23-0007	EA		1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20)	67,038.41	1,375.10
23 52 16 23-0008	EA		2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26)	85,382.06	1,500.10
23 52 16 23-0009	EA		3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30)	93,351.91	1,531.42

**23 52 23 Cast-Iron Boilers (23 52)**

23 52 23 00-0001			<b>Weil-McLain Model 80 Cast Iron Boiler (23 52 23)</b> Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
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23 52 23 00-0002			<b>Gas Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)</b> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0003	EA		209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380)	14,928.14	3,040.89
23 52 23 00-0004	EA		297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480)	16,272.64	3,243.62
23 52 23 00-0005	EA		386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580)	17,740.07	3,446.34
23 52 23 00-0006	EA		476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680)	19,107.80	3,649.07
23 52 23 00-0007	EA		565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780)	20,374.29	3,851.79
23 52 23 00-0008	EA		654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880)	22,091.72	4,054.52
23 52 23 00-0009	EA		743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980)	23,429.06	4,257.24
23 52 23 00-0010	EA		833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080)	24,499.95	4,459.97
23 52 23 00-0011	EA		922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180)	25,567.03	4,662.70
23 52 23 00-0012	EA		1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280)	26,792.36	4,865.43

**23 52 23 00-0013 Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)**

23 52 23 00-0014	EA		209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380)	10,016.12	396.98
23 52 23 00-0015	EA		297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480)	11,124.98	396.98
23 52 23 00-0016	EA		386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580)	12,755.81	496.21
23 52 23 00-0017	EA		476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680)	13,886.46	496.21
23 52 23 00-0018	EA		565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780)	15,316.60	595.45
23 52 23 00-0019	EA		654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880)	16,811.89	595.45
23 52 23 00-0020	EA		743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980)	18,310.85	694.70
23 52 23 00-0021	EA		833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080)	19,543.77	793.94
23 52 23 00-0022	EA		922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180)	20,377.42	793.94
23 52 23 00-0023	EA		1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280)	21,762.84	893.18

**23 52 23 00-0024 Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)**

23 52 23 00-0025	EA		209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380)	15,576.02	3,040.89
23 52 23 00-0026	EA		297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler	17,036.35	3,243.62
23 52 23 00-0027	EA		386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler	18,433.82	3,446.34
23 52 23 00-0028	EA		476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler	19,989.61	3,649.07
23 52 23 00-0029	EA		565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler	21,280.18	3,851.79
23 52 23 00-0030	EA		654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler	23,144.39	4,054.52
23 52 23 00-0031	EA		743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler	24,332.66	4,257.24
23 52 23 00-0032	EA		833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler	25,489.55	4,459.97
23 52 23 00-0033	EA		922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler	26,557.78	4,662.70
23 52 23 00-0034	EA		1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler	27,814.06	4,865.43

**23 52 23 00-0035 Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)**

23 52 23 00-0036	EA		209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380)	10,664.01	396.98
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**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 52 Heating Boilers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 52 23 00-0037	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480).....	11,888.69		396.98
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0038	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580).....	13,449.57		496.21
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0039	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680).....	14,768.27		496.21
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0040	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780).....	16,222.49		595.45
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0041	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880).....	17,864.56		595.45
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0042	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980).....	19,214.45		694.70
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0043	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080).....	20,533.37		793.94
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0044	EA	922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180).....	21,368.17		793.94
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0045	EA	1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280).....	22,784.55		893.18
Note: Fire tested factory assembled package cast iron unit.					
<b>23 52 23 00-0046 Weil-McLain Model 88 Cast Iron Boiler (23 52 23)</b>					
Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.					
<b>23 52 23 00-0047 Gas Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)</b>					
Note: Field assembled boilers can only be used in situations where package units cannot be installed.					
23 52 23 00-0048	EA	629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488).....	23,984.52		4,561.33
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0049	EA	845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588).....	26,410.02		4,840.08
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0050	EA	1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688).....	29,397.47		5,118.83
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0051	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788).....	32,037.02		5,397.58
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0052	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888).....	34,340.24		5,676.32
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0053	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988).....	37,650.09		5,955.07
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0054	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088).....	39,974.32		6,233.82
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0055	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188).....	42,037.73		6,512.57
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0056	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288).....	44,771.60		6,791.32
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0057	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388).....	46,982.68		7,070.06
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0058	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488).....	50,745.82		7,348.81
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0059	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588).....	52,852.68		7,627.56
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0060	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688).....	55,083.47		7,906.31
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0061	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788).....	57,562.16		8,185.06
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0062	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888).....	59,590.39		8,463.80
Note: Includes field assembly of individual sections and testing.					
<b>23 52 23 00-0063 Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)</b>					
23 52 23 00-0064	EA	629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488).....	18,326.91		694.70
Note: Fire tested factory assembled package unit.					
23 52 23 00-0065	EA	845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588).....	20,787.94		793.94
Note: Fire tested factory assembled package unit.					
23 52 23 00-0066	EA	1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688).....	23,824.61		893.18
Note: Fire tested factory assembled package unit.					
23 52 23 00-0067	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788).....	26,488.60		992.43
Note: Fire tested factory assembled package unit.					
23 52 23 00-0068	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888).....	28,428.82		992.43
Note: Fire tested factory assembled package unit.					
23 52 23 00-0069	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988).....	31,777.38		1,091.67
Note: Fire tested factory assembled package unit.					
23 52 23 00-0070	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088).....	33,741.67		1,091.67
Note: Fire tested factory assembled package unit.					
23 52 23 00-0071	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188).....	35,840.37		1,190.92
Note: Fire tested factory assembled package unit.					
23 52 23 00-0072	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288).....	38,215.18		1,190.92
Note: Fire tested factory assembled package unit.					
23 52 23 00-0073	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388).....	40,461.81		1,290.16
Note: Fire tested factory assembled package unit.					
23 52 23 00-0074	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488).....	42,638.44		1,389.40
Note: Fire tested factory assembled package unit.					
23 52 23 00-0075	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588).....	44,386.01		1,389.40
Note: Fire tested factory assembled package unit.					
23 52 23 00-0076	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688).....	46,653.25		1,488.64
Note: Fire tested factory assembled package unit.					
23 52 23 00-0077	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788).....	48,771.20		1,488.64
Note: Fire tested factory assembled package unit.					
23 52 23 00-0078	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888).....	50,859.50		1,587.88
Note: Fire tested factory assembled package unit.					



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 23 00-0079

Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0080	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488).....	24,782.63	4,561.33
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0081	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588).....	27,203.54	4,840.08
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0082	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688).....	30,397.39	5,118.83
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0083	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788).....	33,137.86	5,397.58
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0084	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888).....	35,328.70	5,676.32
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0085	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988).....	38,576.62	5,955.07
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0086	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088).....	41,365.26	6,233.82
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0087	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188).....	43,428.68	6,512.57
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0088	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288).....	46,135.03	6,791.32
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0089	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388).....	48,932.07	7,070.06
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0090	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488).....	52,793.83	7,348.81
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0091	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588).....	55,589.86	7,627.56
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0092	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688).....	57,130.33	7,906.31
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0093	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788).....	59,547.10	8,185.06
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0094	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888).....	61,597.11	8,463.80
		Note: Includes field assembly of individual sections and testing.		

23 52 23 00-0095

Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)

23 52 23 00-0096	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488).....	19,125.01	694.70
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0097	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588).....	21,581.45	793.94
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0098	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688).....	24,813.06	893.18
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0099	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788).....	27,589.44	992.43
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0100	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888).....	29,419.57	992.43
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0101	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988).....	32,703.91	1,091.67
		Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.		
23 52 23 00-0102	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088).....	35,132.62	1,091.67
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0103	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188).....	37,231.31	1,190.92
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0104	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288).....	39,578.61	1,190.92
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0105	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388).....	42,416.93	1,290.16
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0106	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488).....	44,686.44	1,389.40
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0107	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588).....	45,976.48	1,389.40
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0108	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688).....	48,700.11	1,488.64
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0109	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788).....	50,756.14	1,488.64
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0110	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888).....	52,843.29	1,587.88
		Note: Fire tested factory assembled package cast iron unit.		

23 52 23 00-0111

Weil-McLain Model 94 Cast Iron Boiler (23 52 23)

Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.

23 52 23 00-0112

Gas Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0113	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894).....	64,146.72	8,869.26
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0114	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994).....	69,473.23	9,376.07
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0115	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094).....	74,346.46	9,882.89
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0116	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194).....	79,119.73	10,389.70
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0117	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294).....	83,936.88	10,896.52
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0118	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394).....	90,223.09	11,403.34
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0119	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494).....	94,767.49	11,910.14
		Note: Includes field assembly of individual sections and testing.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 52 23 00-0120	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594) .....		99,167.91	12,416.96
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0121	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694) .....		106,268.39	12,923.78
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0122	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794) .....		110,666.32	13,430.60
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0123	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894) .....		114,452.67	13,937.40
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0124	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994) .....		121,309.09	14,444.22
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0125	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094) .....		125,742.61	14,951.04
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0126	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194) .....		132,754.88	15,457.85
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0127	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294) .....		137,416.81	15,964.67
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0128	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394) .....		142,509.01	16,471.48
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0129	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494) .....		146,896.38	16,978.29
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0130	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594) .....		151,406.99	17,485.11
		Note: Includes field assembly of individual sections and testing.			
<b>23 52 23 00-0131</b>		<b>Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small>			
23 52 23 00-0132	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894).....		55,976.66	1,290.16
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0133	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994).....		61,048.71	1,389.40
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0134	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094).....		65,664.39	1,488.64
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0135	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194).....		70,183.69	1,587.88
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0136	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294).....		74,346.21	1,587.88
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0137	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394).....		78,757.87	1,687.12
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0138	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494).....		82,648.62	1,687.12
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0139	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594).....		86,792.96	1,786.37
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0140	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694).....		93,240.85	1,786.37
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0141	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794).....		97,384.03	1,885.61
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0142	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894).....		100,516.82	1,885.61
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0143	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994).....		107,119.79	1,984.86
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0144	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094).....		110,899.31	1,984.86
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0145	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194).....		117,676.60	2,084.10
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0146	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294).....		121,663.67	2,084.10
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0147	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394).....		126,498.36	2,183.34
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0148	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494).....		130,233.17	2,183.34
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0149	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594).....		134,487.57	2,282.59
		Note: Fire tested factory assembled package cast iron unit.			
<b>23 52 23 00-0150</b>		<b>Oil Fired Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small>			
		Note: Field assembled boilers can only be used in situations where package units cannot be installed.			
23 52 23 00-0151	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894).....		60,724.97	8,869.26
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0152	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994).....		66,051.47	9,376.07
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0153	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094).....		72,509.45	9,882.89
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0154	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194).....		76,868.76	10,389.70
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0155	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294).....		81,403.82	10,896.52
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0156	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394).....		87,374.69	11,403.34
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0157	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494).....		92,132.37	11,910.14
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0158	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594).....		96,535.08	12,416.96
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0159	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694).....		104,454.31	12,923.78
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0160	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794).....		108,853.39	13,430.60
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0161	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894).....		113,250.92	13,937.40
		Note: Includes field assembly of individual sections and testing.			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0162 EA 4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) ..... Note: Includes field assembly of individual sections and testing.	121,317.11	14,444.22
23 52 23 00-0163 EA 4,285 MBH Steam, 4,970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) ..... Note: Includes field assembly of individual sections and testing.	125,750.64	14,951.04
23 52 23 00-0164 EA 4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) ..... Note: Includes field assembly of individual sections and testing.	132,947.52	15,457.85
23 52 23 00-0165 EA 4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) ..... Note: Includes field assembly of individual sections and testing.	137,608.31	15,964.67
23 52 23 00-0166 EA 4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) ..... Note: Includes field assembly of individual sections and testing.	142,601.89	16,471.48
23 52 23 00-0167 EA 5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) ..... Note: Includes field assembly of individual sections and testing.	146,989.26	16,978.29
23 52 23 00-0168 EA 5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) ..... Note: Includes field assembly of individual sections and testing.	151,506.76	17,485.11
<b>23 52 23 00-0169 Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)</b>		
23 52 23 00-0170 EA 1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) ..... Note: Fire tested factory assembled package cast iron unit.	52,369.14	1,290.16
23 52 23 00-0171 EA 1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) ..... Note: Fire tested factory assembled package cast iron unit.	57,441.19	1,389.40
23 52 23 00-0172 EA 2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) ..... Note: Fire tested factory assembled package cast iron unit.	63,641.61	1,488.64
23 52 23 00-0173 EA 2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) ..... Note: Fire tested factory assembled package cast iron unit.	67,746.95	1,587.88
23 52 23 00-0174 EA 2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) ..... Note: Fire tested factory assembled package cast iron unit.	71,627.39	1,587.88
23 52 23 00-0175 EA 2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) ..... Note: Fire tested factory assembled package cast iron unit.	75,723.70	1,687.12
23 52 23 00-0176 EA 2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) ..... Note: Fire tested factory assembled package cast iron unit.	79,827.74	1,687.12
23 52 23 00-0177 EA 3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) ..... Note: Fire tested factory assembled package cast iron unit.	83,972.08	1,786.37
23 52 23 00-0178 EA 3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) ..... Note: Fire tested factory assembled package cast iron unit.	91,241.01	1,786.37
23 52 23 00-0179 EA 3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) ..... Note: Fire tested factory assembled package cast iron unit.	95,383.04	1,885.61
23 52 23 00-0180 EA 3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) ..... Note: Fire tested factory assembled package cast iron unit.	99,129.31	1,885.61
23 52 23 00-0181 EA 4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) ..... Note: Fire tested factory assembled package cast iron unit.	106,942.05	1,984.86
23 52 23 00-0182 EA 4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) ..... Note: Fire tested factory assembled package cast iron unit.	110,721.57	1,984.86
23 52 23 00-0183 EA 4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) ..... Note: Fire tested factory assembled package cast iron unit.	117,660.54	2,084.10
23 52 23 00-0184 EA 4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) ..... Note: Fire tested factory assembled package cast iron unit.	121,669.41	2,084.10
23 52 23 00-0185 EA 4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) ..... Note: Fire tested factory assembled package cast iron unit.	126,405.48	2,183.34
23 52 23 00-0186 EA 5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) ..... Note: Fire tested factory assembled package cast iron unit.	130,140.28	2,183.34
23 52 23 00-0187 EA 5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) ..... Note: Fire tested factory assembled package cast iron unit.	134,401.57	2,282.59
<b>23 52 23 00-0188 Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)</b>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189 EA 1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894) ..... Note: Includes field assembly of individual sections and testing.	65,222.33	8,869.26
23 52 23 00-0190 EA 1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994) ..... Note: Includes field assembly of individual sections and testing.	70,549.98	9,376.07
23 52 23 00-0191 EA 2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094) ..... Note: Includes field assembly of individual sections and testing.	75,716.77	9,882.89
23 52 23 00-0192 EA 2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194) ..... Note: Includes field assembly of individual sections and testing.	80,605.85	10,389.70
23 52 23 00-0193 EA 2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294) ..... Note: Includes field assembly of individual sections and testing.	85,396.63	10,896.52
23 52 23 00-0194 EA 2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394) ..... Note: Includes field assembly of individual sections and testing.	90,762.04	11,403.34
23 52 23 00-0195 EA 2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494) ..... Note: Includes field assembly of individual sections and testing.	96,557.49	11,910.14
23 52 23 00-0196 EA 3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594) ..... Note: Includes field assembly of individual sections and testing.	101,239.99	12,416.96
23 52 23 00-0197 EA 3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694) ..... Note: Includes field assembly of individual sections and testing.	108,520.51	12,923.78
23 52 23 00-0198 EA 3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794) ..... Note: Includes field assembly of individual sections and testing.	112,918.44	13,430.60
23 52 23 00-0199 EA 3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894) ..... Note: Includes field assembly of individual sections and testing.	116,785.05	13,937.40
23 52 23 00-0200 EA 4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994) ..... Note: Includes field assembly of individual sections and testing.	123,719.45	14,444.22
23 52 23 00-0201 EA 4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094) ..... Note: Includes field assembly of individual sections and testing.	129,299.68	14,951.04
23 52 23 00-0202 EA 4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194) ..... Note: Includes field assembly of individual sections and testing.	136,926.57	15,457.85
23 52 23 00-0203 EA 4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294) ..... Note: Includes field assembly of individual sections and testing.	141,554.10	15,964.67

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0204	EA		4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394)..... Note: Includes field assembly of individual sections and testing.	146,859.59	16,471.48
23 52 23 00-0205	EA		5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494)..... Note: Includes field assembly of individual sections and testing.	151,248.10	16,978.29
23 52 23 00-0206	EA		5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594)..... Note: Includes field assembly of individual sections and testing.	155,762.16	17,485.11
<b>23 52 23 00-0207</b>			<b>Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small>		
23 52 23 00-0208	EA		1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894)..... Note: Fire tested factory assembled package cast iron unit.	57,135.97	1,290.16
23 52 23 00-0209	EA		1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994)..... Note: Fire tested factory assembled package cast iron unit.	62,209.17	1,389.40
23 52 23 00-0210	EA		2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094)..... Note: Fire tested factory assembled package cast iron unit.	67,121.84	1,488.64
23 52 23 00-0211	EA		2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194)..... Note: Fire tested factory assembled package cast iron unit.	71,754.67	1,587.88
23 52 23 00-0212	EA		2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294)..... Note: Fire tested factory assembled package cast iron unit.	75,890.82	1,587.88
23 52 23 00-0213	EA		2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394)..... Note: Fire tested factory assembled package cast iron unit.	79,380.53	1,687.12
23 52 23 00-0214	EA		2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494)..... Note: Fire tested factory assembled package cast iron unit.	84,522.33	1,687.12
23 52 23 00-0215	EA		3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594)..... Note: Fire tested factory assembled package cast iron unit.	88,947.61	1,786.37
23 52 23 00-0216	EA		3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694)..... Note: Fire tested factory assembled package cast iron unit.	95,577.83	1,786.37
23 52 23 00-0217	EA		3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794)..... Note: Fire tested factory assembled package cast iron unit.	99,718.71	1,885.61
23 52 23 00-0218	EA		3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894)..... Note: Fire tested factory assembled package cast iron unit.	102,932.91	1,885.61
23 52 23 00-0219	EA		4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994)..... Note: Fire tested factory assembled package cast iron unit.	109,613.86	1,984.86
23 52 23 00-0220	EA		4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094)..... Note: Fire tested factory assembled package cast iron unit.	114,541.23	1,984.86
23 52 23 00-0221	EA		4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194)..... Note: Fire tested factory assembled package cast iron unit.	121,910.21	2,084.10
23 52 23 00-0222	EA		4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294)..... Note: Fire tested factory assembled package cast iron unit.	125,885.82	2,084.10
23 52 23 00-0223	EA		4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394)..... Note: Fire tested factory assembled package cast iron unit.	130,932.65	2,183.34
23 52 23 00-0224	EA		5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494)..... Note: Fire tested factory assembled package cast iron unit.	134,668.60	2,183.34
23 52 23 00-0225	EA		5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594)..... Note: Fire tested factory assembled package cast iron unit.	138,927.60	2,282.59
<b>23 52 33</b>			<b>Water-Tube Boilers</b> <small>(23 52)</small>		
<b>23 52 33 13</b>			<b>Finned Water-Tube Boilers</b> <small>(23 52 33)</small>		
<b>23 52 33 13-0001</b>			<b>Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler</b> <small>(23 52 33 13)</small> Note: Rated by gross rated output.		
23 52 33 13-0002	EA		200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	8,432.41	556.98
23 52 33 13-0003	EA		300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	9,278.52	618.87
23 52 33 13-0004	EA		400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	10,652.90	742.64
23 52 33 13-0005	EA		500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	13,640.69	773.58
23 52 33 13-0006	EA		750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	16,021.06	928.30
23 52 33 13-0007	EA		1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	19,691.62	1,113.96
23 52 33 13-0008	EA		1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	22,386.60	1,175.85
23 52 33 13-0009	EA		1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	24,804.06	1,268.68
23 52 33 13-0010	EA		1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	27,057.45	1,330.56
23 52 33 13-0011	EA		2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	29,047.47	1,361.51
<b>23 52 33 13-0012</b>			<b>Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler</b> <small>(23 52 33 13)</small> Note: Rated by gross rated output.		
23 52 33 13-0013	EA		1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	29,594.59	1,113.96
23 52 33 13-0014	EA		1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	36,986.80	1,268.68
23 52 33 13-0015	EA		2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	39,410.37	1,361.51
23 52 33 13-0016	EA		2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	55,836.66	1,547.17
23 52 33 13-0017	EA		3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	58,544.57	1,732.83
<b>23 52 33 13-0018</b>			<b>Lochinvar Copper-Fin II Finned Tube Boiler</b> <small>(23 52 33 13)</small> Note: Rated by gross rated output.		
23 52 33 13-0019	EA		340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402)..... For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	9,934.37 359.73 318.67	499.78
23 52 33 13-0020	EA		425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502)..... For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	11,938.01 359.73 318.67	624.50
23 52 33 13-0021	EA		552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652)..... For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	12,848.77 359.73 318.67	750.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 13-0022	EA		637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752) ..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add</i> <i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	13,191.88 359.73 318.67	750.14
23 52 33 13-0023	EA		841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992) ..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add</i> <i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	16,367.41 359.73 318.67	937.68
23 52 33 13-0024	EA		1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262) ..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add</i> <i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	18,885.51 359.73 318.67	937.68
23 52 33 13-0025	EA		1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442) ..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add</i> <i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	20,551.22 359.73 318.67	937.68
23 52 33 13-0026	EA		1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802) ..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add</i> <i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	22,206.70 359.73 318.67	1,125.22
23 52 33 13-0027	EA		1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072) ..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add</i> <i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	26,256.15 359.73 318.67	1,312.75
<b>23 52 33 13-0028 Raypak Cupro-Nickel Finned-Tube Boiler With Pump (23 52 33 13)</b>					
Note: Rated by gross rated output.					
23 52 33 13-0029	EA		385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B) .....	9,672.78	686.94
23 52 33 13-0030	EA		420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B) .....	10,418.70	618.87
23 52 33 13-0031	EA		546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B) .....	11,564.04	742.64
23 52 33 13-0032	EA		630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B) .....	12,280.33	843.06
23 52 33 13-0033	EA		756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B) .....	13,641.35	928.30
23 52 33 13-0034	EA		832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B) .....	14,668.68	999.19
23 52 33 13-0035	EA		1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B) .....	16,752.94	1,113.96
23 52 33 13-0036	EA		1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B) .....	19,421.31	1,175.85
23 52 33 13-0037	EA		1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B) .....	20,614.98	1,268.68
23 52 33 13-0038	EA		1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B) .....	24,561.09	1,299.63
23 52 33 13-0039	EA		1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B) .....	24,654.86	1,330.56
23 52 33 13-0040	EA		1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B) .....	28,774.26	1,361.51
<b>23 52 33 13-0041 Raypak Gas Fired Finned-Tube Water Heater With Pump (Type WH) (23 52 33 13)</b>					
Note: Rated by gross rated output.					
23 52 33 13-0042	EA		150 MBH Input, High Delta Copper Finned Tube Boiler, Raypak WH1-HD151 .....	7,763.66	624.50
Note: 85% Efficient					
23 52 33 13-0043	EA		200 MBH Input, High Delta Copper Finned Tube Boiler, Raypak WH1-HD201 .....	9,365.23	655.72
Note: 85% Efficient					
23 52 33 13-0044	EA		250 MBH Input, High Delta Copper Finned Tube Boiler, Raypak WH1-HD251 .....	10,545.19	686.94
Note: 85% Efficient					
23 52 33 13-0045	EA		300 MBH Input, High Delta Copper Finned Tube Boiler, Raypak WH1-HD301 .....	12,962.28	749.39
Note: 85% Efficient					
23 52 33 13-0046	EA		300 MBH Input, Copper Finned Tube Boiler, Raypak WH1-302B .....	12,955.14	749.39
Note: 85% Efficient					
23 52 33 13-0047	EA		400 MBH Input, Copper Finned Tube Boiler, Raypak WH1-402B .....	15,858.15	811.84
Note: 85% Efficient					
23 52 33 13-0048	EA		500 MBH Input, Copper Finned Tube Boiler, Raypak WH3-502B .....	17,587.79	874.29
Note: 85% Efficient					
23 52 33 13-0049	EA		650 MBH Input, Copper Finned Tube Boiler, Raypak WH3-652B .....	18,545.66	936.74
Note: 85% Efficient					
23 52 33 13-0050	EA		750 MBH Input, Copper Finned Tube Boiler, Raypak WH3-752B .....	19,762.23	999.19
Note: 85% Efficient					
23 52 33 13-0051	EA		900 MBH Input, Copper Finned Tube Boiler, Raypak WH3-902B .....	21,553.33	1,061.64
Note: 85% Efficient					
23 52 33 13-0052	EA		990 MBH Input, Copper Finned Tube Boiler, Raypak WH3-992B .....	22,769.88	1,124.09
Note: 85% Efficient					
23 52 33 13-0053	EA		1260 MBH Input, Copper Finned Tube Boiler, Raypak WH3-1262B .....	26,168.83	1,186.53
Note: 85% Efficient					
<b>23 52 33 16 Steel Water-Tube Boilers (23 52 33)</b>					
<b>23 52 33 16-0001 Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (23 52 33 16)</b>					
Note: Compliant with BAAQMD.					
23 52 33 16-0002	EA		1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100) .....	61,067.04	1,500.28
23 52 33 16-0003	EA		1,750 MBH Input/1,488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150) .....	65,747.36	1,875.36
23 52 33 16-0004	EA		2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200) .....	66,994.97	2,062.89
23 52 33 16-0005	EA		2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250) .....	72,172.74	2,250.43
23 52 33 16-0006	EA		3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300) .....	74,700.44	2,531.73
23 52 33 16-0007	EA		3,750 MBH Output/3,188 MBH Input, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350) .....	82,466.35	2,813.03
23 52 33 16-0008	EA		4,300 MBH Input/3,655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400) .....	85,928.52	2,906.80

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 52 33 16-0009		<b>Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler</b> (23 52 33 16)			
		Note: Compliant with BAAQMD.			
23 52 33 16-0010	EA	1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100LS).....	71,266.04		1,687.82
23 52 33 16-0011	EA	1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150LS).....	74,884.78		1,969.12
23 52 33 16-0012	EA	2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200LS).....	77,006.42		2,156.66
23 52 33 16-0013	EA	2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250LS).....	86,112.86		2,344.19
23 52 33 16-0014	EA	3,000 MBH, 74 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300LS).....	89,325.55		2,531.73
23 52 33 16-0015	EA	3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350LS).....	95,563.39		2,813.03
23 52 33 16-0016	EA	4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400LS).....	101,182.78		3,000.57
23 52 33 16-0017	EA	5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500LS).....	168,569.61		3,188.11
23 52 33 16-0018	EA	6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600LS).....	182,478.76		3,375.64
23 52 33 16-0019	EA	7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700LS).....	192,022.21		3,563.17
23 52 33 16-0020	EA	8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800LS).....	196,981.48		3,750.71
23 52 33 16-0021		<b>Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler</b> (23 52 33 16)			
		Note: Compliant with BAAQMD.			
23 52 33 16-0022	EA	1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS).....	76,722.76		1,687.82
23 52 33 16-0023	EA	1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS).....	81,434.07		1,969.12
23 52 33 16-0024	EA	2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS).....	84,428.23		2,156.66
23 52 33 16-0025	EA	2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS).....	93,753.19		2,344.19
23 52 33 16-0026	EA	3,000 MBH, 74 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS).....	96,965.87		2,531.73
23 52 33 16-0027	EA	3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS).....	102,112.68		2,813.03
23 52 33 16-0028	EA	4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS).....	107,946.00		3,000.57
23 52 33 16-0029	EA	5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS).....	174,900.39		3,188.11
23 52 33 16-0030	EA	6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS).....	189,902.09		3,375.64
23 52 33 16-0031	EA	7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS).....	195,952.40		3,563.17
23 52 33 16-0032	EA	8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS).....	204,404.82		3,750.71
23 52 33 16-0033	EA	9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS).....	227,263.85		3,938.25
23 52 33 16-0034	EA	10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS).....	328,381.18		4,125.79
23 52 33 16-0035	EA	12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS).....	345,019.45		4,313.31
23 52 36		<b>Fire-Box Boiler</b> (23 52)			
23 52 36 00-0001		<b>Package Oil Fired Firebox Boilers</b> (23 52 36)			
		Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP) boiler sizes are based on HP rating and gross output.			
23 52 36 00-0002	EA	40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	78,155.14		2,381.82
23 52 36 00-0003	EA	46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	81,693.41		2,580.31
23 52 36 00-0004	EA	53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	85,517.20		2,778.80
23 52 36 00-0005	EA	61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	92,482.28		2,977.28
23 52 36 00-0006	EA	69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	96,591.61		3,175.77
23 52 36 00-0007	EA	80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	100,629.69		3,374.25
23 52 36 00-0008	EA	100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	111,963.94		3,572.74
23 52 36 00-0009	EA	127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	129,592.23		3,969.71
23 52 36 00-0010	EA	151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	147,520.44		4,366.68
23 52 36 00-0011	EA	183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	161,835.30		4,813.27
23 52 36 00-0012	EA	220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	176,150.28		5,259.86
23 52 36 00-0013	EA	257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	185,076.06		6,153.04
23 52 36 00-0014	EA	294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	225,628.50		7,046.23
23 52 36 00-0015	EA	368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	267,180.43		7,939.41
23 52 36 00-0016	EA	441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	309,145.09		8,931.84
23 52 36 00-0017	EA	514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	350,185.10		9,676.16
23 52 39		<b>Fire-Tube Boilers</b> (23 52)			
23 52 39 13		<b>Scotch Marine Boilers</b> (23 52 39)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 39 13-0001			<b>15 PSI Steam Scotch Marine Boilers</b> <small>(23 52 39 13)</small> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0002			<b>15 PSI Gas Fired Steam Scotch Marine Boilers</b> <small>(23 52 39 13-0001)</small>		
23 52 39 13-0003	EA		30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	62,239.24	1,091.67
23 52 39 13-0004	EA		40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	66,989.67	1,190.92
23 52 39 13-0005	EA		50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	72,760.18	1,290.16
23 52 39 13-0006	EA		60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	75,976.33	1,488.64
23 52 39 13-0007	EA		70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	79,601.36	1,587.88
23 52 39 13-0008	EA		80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	83,318.84	1,687.12
23 52 39 13-0009	EA		90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	85,891.27	1,736.75
23 52 39 13-0010	EA		100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	90,686.12	1,786.37
23 52 39 13-0011	EA		125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	102,547.41	1,984.86
23 52 39 13-0012	EA		150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	116,550.82	2,183.34
23 52 39 13-0013	EA		175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	127,836.53	2,406.64
23 52 39 13-0014	EA		200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	139,120.21	2,629.93
23 52 39 13-0015	EA		250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	146,637.79	3,076.53
23 52 39 13-0016	EA		300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	178,410.77	3,523.12
23 52 39 13-0017	EA		350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	193,089.14	3,969.71
23 52 39 13-0018	EA		400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	227,437.29	4,416.30
23 52 39 13-0019	EA		500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	276,407.20	4,862.89
23 52 39 13-0020	EA		600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	323,485.02	5,309.49
23 52 39 13-0021	EA		700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	368,557.05	5,756.08
23 52 39 13-0022	EA		800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	411,812.28	6,202.67
23 52 39 13-0023	EA		900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	642,137.13	6,649.26
23 52 39 13-0024	EA		1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	698,711.89	7,095.85
23 52 39 13-0025			<b>15 PSI Oil Fired Steam Scotch Marine Boilers</b> <small>(23 52 39 13-0001)</small>		
23 52 39 13-0026	EA		30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	57,657.98	1,091.67
23 52 39 13-0027	EA		40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	62,063.59	1,190.92
23 52 39 13-0028	EA		50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	67,405.75	1,290.16
23 52 39 13-0029	EA		60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	73,414.77	1,488.64
23 52 39 13-0030	EA		70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	76,580.03	1,587.88
23 52 39 13-0031	EA		80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	79,740.65	1,687.12
23 52 39 13-0032	EA		90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	82,710.02	1,736.75
23 52 39 13-0033	EA		100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	88,650.00	1,786.37
23 52 39 13-0034	EA		125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	102,644.51	1,984.86
23 52 39 13-0035	EA		150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	116,656.48	2,183.34
23 52 39 13-0036	EA		175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	127,953.62	2,406.64
23 52 39 13-0037	EA		200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	139,248.72	2,629.93
23 52 39 13-0038	EA		250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	146,772.01	3,076.53
23 52 39 13-0039	EA		300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	178,576.40	3,523.12
23 52 39 13-0040	EA		350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	193,266.20	3,969.71
23 52 39 13-0041	EA		400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	227,648.62	4,416.30
23 52 39 13-0042	EA		500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	276,664.22	4,862.89

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 52 39 13-0043	EA	600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	323,787.73		5,309.49
23 52 39 13-0044	EA	700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	368,902.59		5,756.08
23 52 39 13-0045	EA	800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	412,200.65		6,202.67
23 52 39 13-0046	EA	900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	642,750.99		6,649.26
23 52 39 13-0047	EA	1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	699,383.43		7,095.85
<b>23 52 39 13-0048</b>		<b>15 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)</b>			
23 52 39 13-0049	EA	30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	64,244.37		1,091.67
23 52 39 13-0050	EA	40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	69,145.72		1,190.92
23 52 39 13-0051	EA	50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	75,099.00		1,290.16
23 52 39 13-0052	EA	60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	78,883.44		1,488.64
23 52 39 13-0053	EA	70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	82,274.30		1,587.88
23 52 39 13-0054	EA	80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	85,660.51		1,687.12
23 52 39 13-0055	EA	90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	88,852.63		1,736.75
23 52 39 13-0056	EA	100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	92,045.43		1,786.37
23 52 39 13-0057	EA	125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	106,591.08		1,984.86
23 52 39 13-0058	EA	150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	121,154.21		2,183.34
23 52 39 13-0059	EA	175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	132,885.41		2,406.64
23 52 39 13-0060	EA	200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	144,611.72		2,629.93
23 52 39 13-0061	EA	250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	152,374.89		3,076.53
23 52 39 13-0062	EA	300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	185,430.08		3,523.12
23 52 39 13-0063	EA	350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	200,656.75		3,969.71
23 52 39 13-0064	EA	400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	236,398.48		4,416.30
23 52 39 13-0065	EA	500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	287,381.66		4,862.89
23 52 39 13-0066	EA	600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	336,392.79		5,309.49
23 52 39 13-0067	EA	700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	383,315.31		5,756.08
23 52 39 13-0068	EA	800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	428,341.07		6,202.67
23 52 39 13-0069	EA	900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	668,426.21		6,649.26
23 52 39 13-0070	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	727,341.08		7,095.85
<b>23 52 39 13-0071</b>		<b>125 PSI Water Scotch Marine Boilers (23 52 39 13)</b> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.			
<b>23 52 39 13-0072</b>		<b>125 PSI Gas Fired Water Scotch Marine Boilers (23 52 39 13-0071)</b>			
23 52 39 13-0073	EA	40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	73,714.84		1,190.92
23 52 39 13-0074	EA	50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	82,738.00		1,290.16
23 52 39 13-0075	EA	60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	88,852.69		1,488.64
23 52 39 13-0076	EA	70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	95,516.18		1,587.88
23 52 39 13-0077	EA	80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	102,320.67		1,687.12
23 52 39 13-0078	EA	90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	107,743.08		1,736.75
23 52 39 13-0079	EA	100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	116,033.31		1,786.37
23 52 39 13-0080	EA	125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	124,464.91		1,984.86
23 52 39 13-0081	EA	150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	135,681.16		2,183.34
23 52 39 13-0082	EA	175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	144,302.50		2,406.64
23 52 39 13-0083	EA	200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	149,360.75		2,629.93
23 52 39 13-0084	EA	250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	180,843.37		3,076.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0085 EA 300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	210,577.37	3,523.12
23 52 39 13-0086 EA 350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	226,912.06	3,969.71
23 52 39 13-0087 EA 400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	253,181.43	4,416.30
23 52 39 13-0088 EA 500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	306,951.77	4,862.89
23 52 39 13-0089 EA 600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	359,406.87	5,309.49
23 52 39 13-0090 EA 700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	409,627.73	5,756.08
23 52 39 13-0091 EA 800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	457,811.89	6,202.67
23 52 39 13-0092 EA 900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	715,302.43	6,649.26
23 52 39 13-0093 EA 1,000 HP, 33,476 125 PSI MBH Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	778,386.64	7,095.85
<b>23 52 39 13-0094 125 PSI Oil Fired Water Scotch Marine Boilers (23 52 39 13-0071)</b>		
23 52 39 13-0095 EA 40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	68,254.74	1,190.92
23 52 39 13-0096 EA 50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	76,592.53	1,290.16
23 52 39 13-0097 EA 60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	85,817.08	1,488.64
23 52 39 13-0098 EA 70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	91,840.90	1,587.88
23 52 39 13-0099 EA 80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	97,857.21	1,687.12
23 52 39 13-0100 EA 90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	103,679.42	1,736.75
23 52 39 13-0101 EA 100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	113,377.51	1,786.37
23 52 39 13-0102 EA 125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	124,581.99	1,984.86
23 52 39 13-0103 EA 150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	135,806.81	2,183.34
23 52 39 13-0104 EA 175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	144,436.72	2,406.64
23 52 39 13-0105 EA 200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	149,500.68	2,629.93
23 52 39 13-0106 EA 250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	181,011.85	3,076.53
23 52 39 13-0107 EA 300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	210,774.42	3,523.12
23 52 39 13-0108 EA 350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	227,123.38	3,969.71
23 52 39 13-0109 EA 400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	253,418.45	4,416.30
23 52 39 13-0110 EA 500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	307,240.20	4,862.89
23 52 39 13-0111 EA 600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	359,746.70	5,309.49
23 52 39 13-0112 EA 700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	410,016.11	5,756.08
23 52 39 13-0113 EA 800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	458,245.96	6,202.67
23 52 39 13-0114 EA 900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	715,990.46	6,649.26
23 52 39 13-0115 EA 1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	779,136.46	7,095.85
<b>23 52 39 13-0116 125 PSI Gas/Oil Fired Water Scotch Marine Boilers (23 52 39 13-0071)</b>		
23 52 39 13-0117 EA 40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	76,102.21	1,190.92
23 52 39 13-0118 EA 50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	85,422.36	1,290.16
23 52 39 13-0119 EA 60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	92,293.80	1,488.64
23 52 39 13-0120 EA 70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	98,771.68	1,587.88
23 52 39 13-0121 EA 80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	105,244.90	1,687.12
23 52 39 13-0122 EA 90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	111,524.03	1,736.75
23 52 39 13-0123 EA 100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	117,803.85	1,786.37
23 52 39 13-0124 EA 125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	129,442.40	1,984.86
23 52 39 13-0125 EA 150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	141,101.28	2,183.34
23 52 39 13-0126 EA 175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	150,053.88	2,406.64
23 52 39 13-0127 EA 200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	155,292.04	2,629.93

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 52 Heating Boilers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 52 39 13-0128	EA	250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	.....	188,042.59	3,076.53
23 52 39 13-0129	EA	300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	.....	218,970.28	3,523.12
23 52 39 13-0130	EA	350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	.....	235,924.64	3,969.71
23 52 39 13-0131	EA	400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	.....	263,242.06	4,416.30
23 52 39 13-0132	EA	500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	.....	319,234.14	4,862.89
23 52 39 13-0133	EA	600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	.....	373,851.00	5,309.49
23 52 39 13-0134	EA	700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	.....	426,142.24	5,756.08
23 52 39 13-0135	EA	800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	.....	476,305.41	6,202.67
23 52 39 13-0136	EA	900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	.....	744,718.52	6,649.26
23 52 39 13-0137	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	.....	810,414.74	7,095.85
23 52 39 13-0138		<b>150 PSI Steam Scotch Marine Boilers</b> <small>(23 52 39 13)</small> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.			
23 52 39 13-0139		<b>150 PSI Gas Fired Steam Scotch Marine Boilers</b> <small>(23 52 39 13-0138)</small>			
23 52 39 13-0140	EA	40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	85,657.38	1,190.92
23 52 39 13-0141	EA	50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	93,038.51	1,290.16
23 52 39 13-0142	EA	60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	96,982.86	1,488.64
23 52 39 13-0143	EA	70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	101,575.98	1,587.88
23 52 39 13-0144	EA	80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	106,290.09	1,687.12
23 52 39 13-0145	EA	90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	109,576.44	1,736.75
23 52 39 13-0146	EA	100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	115,750.60	1,786.37
23 52 39 13-0147	EA	125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	130,933.07	1,984.86
23 52 39 13-0148	EA	150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	148,894.48	2,183.34
23 52 39 13-0149	EA	175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	163,298.61	2,406.64
23 52 39 13-0150	EA	200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	177,700.72	2,629.93
23 52 39 13-0151	EA	250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	186,937.43	3,076.53
23 52 39 13-0152	EA	300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	227,708.72	3,523.12
23 52 39 13-0153	EA	350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	246,233.87	3,969.71
23 52 39 13-0154	EA	400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	290,374.07	4,416.30
23 52 39 13-0155	EA	500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	353,502.54	4,862.89
23 52 39 13-0156	EA	600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	414,150.64	5,309.49
23 52 39 13-0157	EA	700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	472,218.96	5,756.08
23 52 39 13-0158	EA	800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	527,913.62	6,202.67
23 52 39 13-0159	EA	900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	826,803.41	6,649.26
23 52 39 13-0160	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	899,791.85	7,095.85
23 52 39 13-0161		<b>150 PSI Oil Fired Steam Scotch Marine Boilers</b> <small>(23 52 39 13-0138)</small>			
23 52 39 13-0162	EA	40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	79,252.04	1,190.92
23 52 39 13-0163	EA	50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	86,079.17	1,290.16
23 52 39 13-0164	EA	60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	93,650.26	1,488.64
23 52 39 13-0165	EA	70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	97,649.39	1,587.88
23 52 39 13-0166	EA	80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	101,641.01	1,687.12
23 52 39 13-0167	EA	90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	105,438.53	1,736.75
23 52 39 13-0168	EA	100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	113,100.51	1,786.37
23 52 39 13-0169	EA	125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	.....	131,055.87	1,984.86

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0170	EA		150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	149,034.41	2,183.34
23 52 39 13-0171	EA		175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	163,452.82	2,406.64
23 52 39 13-0172	EA		200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	177,869.20	2,629.93
23 52 39 13-0173	EA		250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	187,111.63	3,076.53
23 52 39 13-0174	EA		300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	227,922.90	3,523.12
23 52 39 13-0175	EA		350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	246,465.18	3,969.71
23 52 39 13-0176	EA		400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	290,648.21	4,416.30
23 52 39 13-0177	EA		500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	353,836.65	4,862.89
23 52 39 13-0178	EA		600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	414,544.73	5,309.49
23 52 39 13-0179	EA		700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	472,667.31	5,756.08
23 52 39 13-0180	EA		800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	528,416.22	6,202.67
23 52 39 13-0181	EA		900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	627,602.67	6,649.26
23 52 39 13-0182	EA		1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	900,665.27	7,095.85
<b>23 52 39 13-0183</b>			<b>150 PSI Gas/Oil Fired Steam Scotch Marine Boilers</b> (23 52 39 13-0138)		
23 52 39 13-0184	EA		40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	88,458.82	1,190.92
23 52 39 13-0185	EA		50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	96,079.83	1,290.16
23 52 39 13-0186	EA		60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	100,760.95	1,488.64
23 52 39 13-0187	EA		70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	105,051.36	1,587.88
23 52 39 13-0188	EA		80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	109,334.27	1,687.12
23 52 39 13-0189	EA		90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	113,425.93	1,736.75
23 52 39 13-0190	EA		100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	117,515.42	1,786.37
23 52 39 13-0191	EA		125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	136,187.56	1,984.86
23 52 39 13-0192	EA		150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	154,880.03	2,183.34
23 52 39 13-0193	EA		175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	169,861.01	2,406.64
23 52 39 13-0194	EA		200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	184,842.82	2,629.93
23 52 39 13-0195	EA		250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	194,396.52	3,076.53
23 52 39 13-0196	EA		300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	236,832.68	3,523.12
23 52 39 13-0197	EA		350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	256,071.76	3,969.71
23 52 39 13-0198	EA		400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	302,022.47	4,416.30
23 52 39 13-0199	EA		500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	367,772.47	4,862.89
23 52 39 13-0200	EA		600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	430,930.73	5,309.49
23 52 39 13-0201	EA		700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	491,403.56	5,756.08
23 52 39 13-0202	EA		800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	549,399.90	6,202.67
23 52 39 13-0203	EA		900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	660,977.98	6,649.26
23 52 39 13-0204	EA		1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	937,006.91	7,095.85
<b>23 53</b>			<b>Heating Boiler Feedwater Equipment</b> (23 50)		
<b>23 53 13</b>			<b>Boiler Feedwater Pumps</b> (23 53) See CSI section 23 53 16 00-0001 for boiler feedwater units.		
<b>23 53 16</b>			<b>Deaerators</b> (23 53)		
23 53 16 00-0001			<b>Boiler Feed System</b> (23 53 16)		
23 53 16 00-0002			<b>Low Pressure Boiler Feed System</b> (23 53 16 00-0001) Note: With deaerator includes pumps and accessories.		
23 53 16 00-0003	EA		20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	5,244.42	1,171.67
23 53 16 00-0004	EA		34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	5,713.98	1,380.36
23 53 16 00-0005	EA		54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	6,113.30	1,428.71
23 53 16 00-0006	EA		67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	6,312.02	1,481.13
23 53 16 00-0007	EA		78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	6,686.11	1,582.93

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 53 Heating Boiler Feedwater Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 53 16 00-0008	EA		104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	10,326.36	1,715.27
23 53 16 00-0009	EA		158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	11,605.30	1,832.34
23 53 16 00-0010	EA		219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	13,297.07	2,086.82
23 53 16 00-0011	EA		254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	14,607.74	2,239.52
23 53 16 00-0012	EA		305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	15,728.49	2,392.21

**23 53 16 00-0013 High Pressure Boiler Feed System** (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014	EA		10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	6,995.26	998.93
23 53 16 00-0015	EA		20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	7,345.66	1,171.67
23 53 16 00-0016	EA		34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	8,212.24	1,380.36
23 53 16 00-0017	EA		54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	8,846.13	1,428.71
23 53 16 00-0018	EA		67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	9,011.81	1,481.13
23 53 16 00-0019	EA		78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	10,789.76	1,582.93
23 53 16 00-0020	EA		104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	13,882.80	1,715.27
23 53 16 00-0021	EA		158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	14,277.05	1,832.34
23 53 16 00-0022	EA		183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	15,676.53	1,962.23
23 53 16 00-0023	EA		219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	16,857.43	2,086.82
23 53 16 00-0024	EA		254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	18,033.69	2,239.52
23 53 16 00-0025	EA		305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	19,451.94	2,392.21

**23 53 16 00-0026 Boiler Feedwater System** (23 53 16)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0027	EA		1,380 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	8,799.63	1,380.36
23 53 16 00-0028	EA		2,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	11,376.59	1,581.41
23 53 16 00-0029	EA		4,300 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	14,894.55	1,809.94
23 53 16 00-0030	EA		6,900 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	17,879.63	2,087.84
23 53 16 00-0031	EA		8,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	18,985.66	2,239.52
23 53 16 00-0032	EA		11,000 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	20,045.34	2,392.21
23 53 16 00-0033	EA		13,800 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	22,348.95	2,748.61
23 53 16 00-0034	EA		17,250 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	28,732.01	3,155.89
23 53 16 00-0035	EA		20,700 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	37,106.74	3,646.55
23 53 16 00-0036	EA		27,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	46,816.27	4,185.87
23 53 16 00-0037	EA		34,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	59,735.44	4,815.98

**23 53 16 00-0038 Duplex Vacuum Condensate Pumps** (23 53 16)

23 53 16 00-0039	EA		7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump.....	23,155.55	814.37
			Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.		
23 53 16 00-0040	EA		9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump.....	23,689.46	865.27
			Note: Two 1 HP vacuum pumps rated for 9 CFM, two 1 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.		
23 53 16 00-0041	EA		12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump.....	24,301.93	916.17
			Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.		
23 53 16 00-0042	EA		18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump.....	23,517.33	967.07
			Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.		
23 53 16 00-0043	EA		28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump.....	31,812.07	1,017.97
			Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.		
23 53 16 00-0044	EA		42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump.....	33,485.16	1,068.86
			Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.		

**23 54 Furnaces** (23 50)

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.

**23 54 13 Electric-Resistance Furnaces** (23 54)

**23 54 13 00-0001 Down Flow Multi-Speed Air Handler/Electric Furnace** (23 54 13)

23 54 13 00-0002	EA		Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace.....	1,234.50	128.39
			Note: Excludes cooling equipment.		
23 54 13 00-0003	EA		>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace.....	1,625.19	160.49
			Note: Excludes cooling equipment.		
23 54 13 00-0004	EA		>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace.....	2,093.12	192.60
			Note: Excludes cooling equipment.		

**23 54 13 00-0005 Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace** (23 54 13)

23 54 13 00-0006	EA		Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace.....	1,234.50	128.39
			Note: Excludes cooling equipment.		
23 54 13 00-0007	EA		>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,470.87	144.44
			Note: Excludes cooling equipment.		
23 54 13 00-0008	EA		>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,609.09	160.49
			Note: Excludes cooling equipment.		
23 54 13 00-0009	EA		>3 To 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,689.39	176.55
			Note: Excludes cooling equipment.		
23 54 13 00-0010	EA		>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	2,093.12	192.60
			Note: Excludes cooling equipment.		

**23 54 13 00-0011 Heating Coil For Air Handler/Electric Furnace** (23 54 13)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 54	13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace.....	184.95	24.12
23 54	13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace.....	212.29	26.53
23 54	13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace.....	229.99	28.94
23 54	13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace.....	320.10	31.35
23 54	13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace.....	345.83	33.76

**23 54 16 Fuel-Fired Furnaces (23 54)**

**23 54 16 13 Gas-Fired Furnaces (23 54 16)**

**23 54 16 13-0001 Natural Gas Fired Forced Air Furnaces (23 54 16 13)**

Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.

**23 54 16 13-0002 Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace (23 54 16 13-0001)**

23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	1,884.79	112.34
Note: Blower cooling capacity up to 3 tons.				
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	2,013.35	128.39
Note: Blower cooling capacity up to 3 tons.				
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace.....	2,320.53	144.44
Note: Blower cooling capacity up to 4 tons.				
23 54 16 13-0006	EA	100 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	2,717.66	176.55
Note: Blower cooling capacity up to 5 tons.				
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	2,902.54	192.60
Note: Blower cooling capacity up to 5 tons.				

**23 54 16 13-0008 Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace (23 54 16 13-0001)**

23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace .....	2,090.75	112.34
Note: Blower cooling capacity up to 3 tons.				
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace .....	2,293.35	128.39
Note: Blower cooling capacity up to 3 tons.				
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace .....	2,437.63	144.44
Note: Blower cooling capacity up to 3 tons.				
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace .....	2,364.67	160.49
Note: Blower cooling capacity up to 3.5 tons.				
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace .....	2,880.19	176.55
Note: Blower cooling capacity up to 5 tons.				
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace .....	3,040.94	192.60
Note: Blower cooling capacity up to 5 tons.				

**23 54 16 13-0015 Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace (23 54 16 13-0001)**

23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace .....	1,849.30	112.34
Note: Blower cooling capacity up to 4 tons.				
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace .....	2,122.71	128.39
Note: Blower cooling capacity up to 4 tons.				
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace .....	2,315.47	160.49
Note: Blower cooling capacity up to 4 tons.				
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace .....	2,476.22	176.55
Note: Blower cooling capacity up to 5 tons.				

**23 54 16 13-0020 Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace (23 54 16 13-0001)**

23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace.....	2,406.15	112.34
Note: Blower cooling capacity up to 4 tons.				
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace.....	2,541.17	128.39
Note: Blower cooling capacity up to 3 tons.				
23 54 16 13-0023	EA	80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace.....	2,830.64	144.44
Note: Blower cooling capacity up to 4 tons.				
23 54 16 13-0024	EA	100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace.....	3,103.87	176.55
Note: Blower cooling capacity up to 4 tons.				
23 54 16 13-0025	EA	120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace.....	3,328.98	192.60
Note: Blower cooling capacity up to 5 tons.				

**23 54 16 13-0026 Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace (23 54 16 13-0001)**

23 54 16 13-0027	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	1,688.45	112.34
Note: Blower cooling capacity up to 3 tons.				
23 54 16 13-0028	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	1,786.45	128.39
Note: Blower cooling capacity up to 3 tons.				
23 54 16 13-0029	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	1,993.86	144.44
Note: Blower cooling capacity up to 3 tons.				
23 54 16 13-0030	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,009.95	144.44
Note: Blower cooling capacity up to 4 tons.				
23 54 16 13-0031	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,194.84	160.49
Note: Blower cooling capacity up to 5 tons.				
23 54 16 13-0032	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,318.58	176.55
Note: Blower cooling capacity up to 5 tons.				
23 54 16 13-0033	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,461.62	192.60
Note: Blower cooling capacity up to 5 tons.				

**23 54 16 13-0034 Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)**

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 54 Furnaces**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0035	EA		40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,194.42	112.34
23 54 16 13-0036	EA		60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,310.13	128.39
23 54 16 13-0037	EA		60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,496.62	144.44
23 54 16 13-0038	EA		80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,498.23	144.44
23 54 16 13-0039	EA		80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,646.10	160.49
23 54 16 13-0040	EA		100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,697.43	176.55
23 54 16 13-0041	EA		120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,883.92	192.60
<b>23 54 16 13-0042</b>			<b>Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace</b> (23 54 16 13-0001)		
23 54 16 13-0043	EA		40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,210.52	112.34
23 54 16 13-0044	EA		60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,314.96	128.39
23 54 16 13-0045	EA		80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,569.03	144.44
23 54 16 13-0046	EA		100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,728.17	160.49
<b>23 54 16 13-0047</b>			<b>75% AFUE Gas Wall/Recessed Furnace</b> (23 54 16 13-0001)		
23 54 16 13-0048	EA		35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace.....	1,995.92	96.29
23 54 16 13-0049	EA		55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace.....	2,309.45	120.43
23 54 16 13-0050	EA		35 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,810.86	96.29
23 54 16 13-0051	EA		40 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,936.28	104.38
23 54 16 13-0052	EA		50 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,924.94	112.34
23 54 16 13-0053	EA		65 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,986.08	120.43
23 54 16 13-0054	EA		75 MBH 75% AFUE Gas Wall/Recessed Furnace.....	2,053.79	120.43
<b>23 54 16 13-0055</b>			<b>Gas Fired Indoor Duct Furnace</b> (23 54 16 13-0001) Note: Includes burner, controls and electronic ignition.		
<b>23 54 16 13-0056</b>			<b>Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace</b> (23 54 16 13-0055)		
23 54 16 13-0057	EA		100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	2,245.30	250.37
23 54 16 13-0058	EA		150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	2,511.57	308.15
23 54 16 13-0059	EA		200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	2,884.27	442.96
23 54 16 13-0060	EA		250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	3,253.55	500.74
23 54 16 13-0061	EA		300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	3,790.10	577.78
23 54 16 13-0062	EA		350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	4,185.91	693.34
23 54 16 13-0063	EA		400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	4,823.03	924.45
<b>23 54 16 13-0064</b>			<b>Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace</b> (23 54 16 13-0055) Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065	EA		100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	2,504.06	250.37
23 54 16 13-0066	EA		150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	2,766.47	308.15
23 54 16 13-0067	EA		200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	3,234.43	442.96
23 54 16 13-0068	EA		250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	3,666.79	500.74
23 54 16 13-0069	EA		300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	4,503.30	577.78
23 54 16 13-0070	EA		350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	4,959.61	693.34
23 54 16 13-0071	EA		400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	5,554.24	924.45
<b>23 54 16 16</b>			<b>Oil-Fired Furnaces</b> (23 54 16)		
<b>23 54 16 16-0001</b>			<b>Oil Fired Forced Air Furnaces</b> (23 54 16 16) Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
<b>23 54 16 16-0002</b>			<b>Up Flow Single Speed, One Stage 81% AFUE Oil Furnace</b> (23 54 16 16-0001)		
23 54 16 16-0003	EA		72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace..... Note: Blower cooling capacity up to 3 tons.	3,204.16	128.39
23 54 16 16-0004	EA		95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 4 tons.	3,432.15	176.55
23 54 16 16-0005	EA		126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 5 tons.	3,964.45	208.65
<b>23 54 16 16-0006</b>			<b>Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace</b> (23 54 16 16-0001)		
23 54 16 16-0007	EA		95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 3 tons.	3,731.46	176.55
23 54 16 16-0008	EA		126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace..... Note: Blower cooling capacity up to 5 tons.	3,782.61	208.65
<b>23 54 16 16-0009</b>			<b>Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace</b> (23 54 16 16-0001)		
23 54 16 16-0010	EA		95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 4 tons.	3,242.26	176.55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 54 16 16-0011	EA		127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace ..... Note: Blower cooling capacity up to 5 tons.	3,848.59	208.65
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**23 54 19 Furnace Accessories (23 54)**

23 54 19 00-0001	EA		LP Gas Furnace Conversion Kit.....	190.64	32.10
23 54 19 00-0002	EA		1" Furnace External Filter Rack.....	55.61	
23 54 19 00-0003	EA		Removal And Reinstallation Of Forced Air Furnace..... Note: Includes storage and cleaning. Excludes ductwork.	594.42	

**23 55 Fuel-Fired Heaters (23 50)**

**23 55 23 Gas-Fired Radiant Heaters (23 55)**

**23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters (23 55 23)**

23 55 23 13-0001			<b>Infrared Heaters-Radiant Energy (23 55 23 13)</b> Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002			<b>Gas Fired Electric Ignition Infrared Gas Heater (23 55 23 13-0001)</b> Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003	EA		15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	746.19	101.80
23 55 23 13-0004	EA		37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	831.87	111.97
23 55 23 13-0005	EA		50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	885.18	111.97
23 55 23 13-0006	EA		75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,106.62	134.37
23 55 23 13-0007	EA		100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,115.61	134.37

**23 55 23 13-0008 Rolled Steel Or Aluminum Housing Infrared Electric Heater (23 55 23 13-0001)**

23 55 23 13-0009	EA		1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	936.66 127.17	141.23
23 55 23 13-0010	EA		3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	991.44 140.86	141.23
23 55 23 13-0011	EA		5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	1,054.05 156.52	141.23
23 55 23 13-0012	EA		7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	1,129.32 175.33	141.23
23 55 23 13-0013	EA		10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	1,224.46 195.37	154.07
23 55 23 13-0014	EA		13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	1,304.25 210.40	166.91
23 55 23 13-0015	EA		24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	2,016.92 375.71	179.76

**23 55 23 13-0016 Gas Fired Tubular Infrared Heater (23 55 23 13-0001)**

23 55 23 13-0017			<b>"U" Package (23 55 23 13-0016)</b> Note: Per Tube Length. Includes controls and supports.		
23 55 23 13-0018	LF		Up To 75 MBH Input Radiant Heater.....	71.22	5.09
23 55 23 13-0019	LF		76 To 105 MBH Input Radiant Heater.....	82.27	6.11
23 55 23 13-0020	LF		106 To 130 MBH Input Radiant Heater.....	100.30	7.13

**23 55 23 13-0021 "S" Straight Package (23 55 23 13-0016)**

23 55 23 13-0022	LF		Up To 75 MBH Input Radiant Heater.....	57.99	4.07
23 55 23 13-0023	LF		76 To 105 MBH Input Radiant Heater.....	73.62	5.09
23 55 23 13-0024	LF		106 To 130 MBH Input Radiant Heater.....	89.24	6.11

**23 55 33 Fuel-Fired Unit Heaters (23 55)**

**23 55 33 13 Oil-Fired Unit Heaters (23 55 33)**

23 55 33 13-0001			<b>Oil Fired Unit Heater (23 55 33 13)</b>		
23 55 33 13-0002			<b>Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt (23 55 33 13-0001)</b>		
23 55 33 13-0003	EA		97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	6,211.15	468.83
23 55 33 13-0004	EA		142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	6,666.44	515.72
23 55 33 13-0005	EA		188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	7,163.02	562.60

**23 55 33 16 Gas-Fired Unit Heaters (23 55 33)**

23 55 33 16-0001			<b>Gas Fired Unit Heaters (23 55 33 16)</b>		
23 55 33 16-0002			<b>Horizontal Fan Propelled Gas Fired Unit Heaters, 115 Volt (23 55 33 16-0001)</b>		
23 55 33 16-0003	EA		24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,570.39	175.81
23 55 33 16-0004	EA		36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,724.46	210.98
23 55 33 16-0005	EA		48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,749.99	210.98
23 55 33 16-0006	EA		60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,916.37	246.14
23 55 33 16-0007	EA		72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,111.30	281.31
23 55 33 16-0008	EA		81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,264.95	298.88
23 55 33 16-0009	EA		101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,329.32	298.88
23 55 33 16-0010	EA		121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,274.16	298.88

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 55 Fuel-Fired Heaters**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 55 33 16-0011	EA	141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,692.41	316.47
23 55 33 16-0012	EA	162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,943.73	316.47
23 55 33 16-0013	EA	202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,152.13	316.47
23 55 33 16-0014	EA	243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,759.94	351.63
23 55 33 16-0015	EA	283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,231.92	351.63
23 55 33 16-0016	EA	324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,543.26	386.79

**23 55 33 16-0017 Removal And Reinstallation Of Unit Heaters (23 55 33 16)**

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 55 33 16-0018	EA	Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater .....	585.33	
23 55 33 16-0019	EA	Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater.....	788.92	

**23 57 Heat Exchangers for HVAC (23 50)****23 57 13 Steam-To-Steam Heat Exchangers (23 57)****23 57 13 00-0001 Steam Generator Heat Exchanger (23 57 13)**

Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.

23 57 13 00-0002	EA	75 LB/Hour Steam Generator Heat Exchanger, 35 PSI .....	15,790.09	1,628.74
23 57 13 00-0003	EA	300 LB/Hour Steam Generator Heat Exchanger, 35 PSI .....	21,155.64	1,730.54
23 57 13 00-0004	EA	525 LB/Hour Steam Generator Heat Exchanger, 35 PSI .....	28,486.21	2,150.66

**23 57 16 Steam-To-Water Heat Exchangers (23 57)****23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI (23 57 16)**

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.

23 57 16 00-0002	EA	8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube .....	1,831.81	254.49
		<i>For Copper Nickel Tubes, Add</i>	149.25	
		<i>For Bronze Head And Tube Sheet, Add</i>	671.62	
		<i>For Double Wall Tube Bundles, Add</i>	223.87	
23 57 16 00-0003	EA	10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube .....	2,667.24	254.49
		<i>For Copper Nickel Tubes, Add</i>	226.01	
		<i>For Bronze Head And Tube Sheet, Add</i>	1,017.02	
		<i>For Double Wall Tube Bundles, Add</i>	339.01	
23 57 16 00-0004	EA	40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube .....	4,005.65	356.29
		<i>For Copper Nickel Tubes, Add</i>	349.67	
		<i>For Bronze Head And Tube Sheet, Add</i>	1,573.50	
		<i>For Double Wall Tube Bundles, Add</i>	524.50	
23 57 16 00-0005	EA	64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube .....	6,348.27	356.29
		<i>For Copper Nickel Tubes, Add</i>	533.03	
		<i>For Bronze Head And Tube Sheet, Add</i>	2,398.64	
		<i>For Double Wall Tube Bundles, Add</i>	799.55	
23 57 16 00-0006	EA	96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube .....	8,351.08	419.41
		<i>For Copper Nickel Tubes, Add</i>	707.86	
		<i>For Bronze Head And Tube Sheet, Add</i>	3,185.38	
		<i>For Double Wall Tube Bundles, Add</i>	1,061.79	
23 57 16 00-0007	EA	120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube .....	10,988.88	533.16
		<i>For Copper Nickel Tubes, Add</i>	929.60	
		<i>For Bronze Head And Tube Sheet, Add</i>	4,183.22	
		<i>For Double Wall Tube Bundles, Add</i>	1,394.41	
23 57 16 00-0008	EA	168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube .....	13,586.19	800.25
		<i>For Copper Nickel Tubes, Add</i>	1,138.55	
		<i>For Bronze Head And Tube Sheet, Add</i>	5,123.48	
		<i>For Double Wall Tube Bundles, Add</i>	1,707.83	
23 57 16 00-0009	EA	240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube .....	20,490.08	800.25
		<i>For Copper Nickel Tubes, Add</i>	1,773.92	
		<i>For Bronze Head And Tube Sheet, Add</i>	7,982.65	
		<i>For Double Wall Tube Bundles, Add</i>	2,660.88	

**23 57 19 Liquid-To-Liquid Heat Exchangers (23 57)****23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers (23 57 19)****23 57 19 13-0001 Plate And Frame Heat Exchanger (23 57 19 13)**

23 57 19 13-0002	EA	8" W x 18-7/8"H Plate And Frame Heat Exchanger .....	2,884.66	254.49
23 57 19 13-0003	EA	8" W x 24-9/16"H Plate And Frame Heat Exchanger .....	3,811.76	254.49
23 57 19 13-0004	EA	11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger .....	5,072.38	305.39
23 57 19 13-0005	EA	16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger .....	6,861.65	330.84
23 57 19 13-0006	EA	16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger .....	7,499.03	330.84
23 57 19 13-0007	EA	24" W x 57-11/16"H Plate And Frame Heat Exchanger .....	9,751.84	356.29
23 57 19 13-0008	EA	26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger .....	10,273.33	356.29
23 57 19 13-0009	EA	24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger .....	12,692.78	407.19
23 57 19 13-0010	EA	24" W x 69-11/16"H Plate And Frame Heat Exchanger .....	15,517.85	458.08
23 57 19 13-0011	EA	26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger .....	16,097.29	458.08
23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger .....	19,931.97	540.17
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger .....	24,039.95	594.08
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger .....	27,742.21	648.01

**23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger (23 57 19)**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 57 19 19-0001			Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F <sup>(23 57 19)</sup> <sup>19)</sup> Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.		
23 57 19 19-0002	EA		7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	2,172.95	254.49
			For Copper Nickel Tubes, Add	183.36	
			For Double Wall Tube Bundles, Add	275.04	
23 57 19 19-0003	EA		16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,008.37	254.49
			For Copper Nickel Tubes, Add	260.12	
			For Double Wall Tube Bundles, Add	390.18	
23 57 19 19-0004	EA		34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	4,474.72	356.29
			For Copper Nickel Tubes, Add	396.57	
			For Double Wall Tube Bundles, Add	594.86	
23 57 19 19-0005	EA		55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	6,392.72	356.29
			For Copper Nickel Tubes, Add	571.41	
			For Double Wall Tube Bundles, Add	857.11	
23 57 19 19-0006	EA		74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	7,921.17	407.19
			For Copper Nickel Tubes, Add	703.60	
			For Double Wall Tube Bundles, Add	1,055.40	
23 57 19 19-0007	EA		86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	10,538.15	407.19
			For Copper Nickel Tubes, Add	946.66	
			For Double Wall Tube Bundles, Add	1,419.99	
23 57 19 19-0008	EA		112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	13,063.81	400.13
			For Copper Nickel Tubes, Add	1,176.93	
			For Double Wall Tube Bundles, Add	1,765.40	
23 57 19 19-0009	EA		126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	16,240.90	400.13
			For Copper Nickel Tubes, Add	1,466.90	
			For Double Wall Tube Bundles, Add	2,200.35	
23 57 19 19-0010	EA		152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	20,763.26	400.13
			For Copper Nickel Tubes, Add	1,876.26	
			For Double Wall Tube Bundles, Add	2,814.40	

**23 57 19 23 Refrigerant-To-Water Heat Exchanger** <sup>(23 57 19)</sup>

23 57 19 23-0001			Heat Exchanger Refrigerant To Water <sup>(23 57 19 23)</sup>		
23 57 19 23-0002	EA		10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	2,459.73	203.60
			For Copper Nickel Tubes, Add	205.25	
			For Double Wall Tube Bundles, Add	307.88	
23 57 19 23-0003	EA		53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	6,483.57	339.29
			For Copper Nickel Tubes, Add	580.49	
			For Double Wall Tube Bundles, Add	870.74	
23 57 19 23-0004	EA		70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	8,731.13	442.61
			For Copper Nickel Tubes, Add	784.75	
			For Double Wall Tube Bundles, Add	1,177.12	
23 57 19 23-0005	EA		87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	9,387.07	535.75
			For Copper Nickel Tubes, Add	831.78	
			For Double Wall Tube Bundles, Add	1,247.67	
23 57 19 23-0006	EA		105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	11,327.13	635.49
			For Copper Nickel Tubes, Add	1,003.57	
			For Double Wall Tube Bundles, Add	1,505.35	

**23 60 Central Cooling Equipment** <sup>(23)</sup>

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

**23 61 Refrigerant Compressors** <sup>(23 60)</sup>

**23 61 16 Reciprocating Refrigerant Compressors** <sup>(23 61)</sup>

23 61 16 00-0001			Reciprocating Open Type Refrigerant Compressors <sup>(23 61 16)</sup> Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.		
23 61 16 00-0002	EA		1/4 Ton Refrigerant Compressor, Reciprocating Open Type	539.09	94.83
23 61 16 00-0003	EA		1/3 Ton Refrigerant Compressor, Reciprocating Open Type	635.48	94.83
23 61 16 00-0004	EA		1/2 Ton Refrigerant Compressor, Reciprocating Open Type	859.62	118.50
23 61 16 00-0005	EA		3/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,058.43	118.50
23 61 16 00-0006	EA		1 Ton Refrigerant Compressor, Reciprocating Open Type	1,178.92	118.50
23 61 16 00-0007	EA		1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,195.42	123.29
23 61 16 00-0008	EA		1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,202.44	123.29
23 61 16 00-0009	EA		1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,319.82	132.77
23 61 16 00-0010	EA		2 Ton Refrigerant Compressor, Reciprocating Open Type	1,419.12	142.25
23 61 16 00-0011	EA		2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,546.52	151.73
23 61 16 00-0012	EA		3 Ton Refrigerant Compressor, Reciprocating Open Type	1,753.36	151.73
23 61 16 00-0013	EA		3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,965.09	161.21
23 61 16 00-0014	EA		4 Ton Refrigerant Compressor, Reciprocating Open Type	2,008.18	170.70
23 61 16 00-0015	EA		4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,041.74	175.40
23 61 16 00-0016	EA		5 Ton Refrigerant Compressor, Reciprocating Open Type	3,135.82	918.20
23 61 16 00-0017	EA		7.5 Ton Refrigerant Compressor, Reciprocating Open Type	4,671.15	1,049.33
23 61 16 00-0018	EA		10 Ton Refrigerant Compressor, Reciprocating Open Type	6,206.61	1,180.55
23 61 16 00-0019	EA		12.5 Ton Refrigerant Compressor, Reciprocating Open Type	8,153.49	1,278.84
23 61 16 00-0020	EA		15 Ton Refrigerant Compressor, Reciprocating Open Type	10,100.66	1,377.31
23 61 16 00-0021	EA		20 Ton Refrigerant Compressor, Reciprocating Open Type	12,120.80	1,652.77
23 61 16 00-0022	EA		25 Ton Refrigerant Compressor, Reciprocating Open Type	14,549.54	1,776.40
23 61 16 00-0023	EA		30 Ton Refrigerant Compressor, Reciprocating Open Type	16,877.15	1,878.15
23 61 16 00-0024	EA		50 Ton Refrigerant Compressor, Reciprocating Open Type	22,058.27	2,118.96
23 61 16 00-0025	EA		60 Ton Refrigerant Compressor, Reciprocating Open Type	25,957.50	2,174.52
23 61 16 00-0026	EA		70 Ton Refrigerant Compressor, Reciprocating Open Type	32,399.97	2,230.00

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 60 Central Cooling Equipment****23 61 Refrigerant Compressors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type .....	34,012.63		2,257.84
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type .....	35,557.99		2,285.57
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type .....	38,451.03		2,341.06
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type .....	41,078.94		2,396.72
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type .....	44,070.43		2,744.95
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type .....	46,170.31		2,806.39
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type .....	47,966.68		2,842.11
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type .....	49,574.78		2,930.04
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type .....	50,876.60		2,991.48
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type .....	52,208.55		3,073.45
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type .....	53,466.21		3,106.50
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type .....	54,752.46		3,157.91
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type .....	56,292.87		3,370.88
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type .....	57,782.51		3,552.59
<b>23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors (23 61 16)</b>					
Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.					
<b>23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors &lt;5 Tons (23 61 16 00-0041)</b>					
23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,089.02		94.83
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,127.29		94.83
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,212.99		118.50
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,251.24		118.50
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,270.37		118.50
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,310.46		123.29
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,352.57		123.29
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,451.90		132.77
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,547.42		142.25
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,681.18		151.73
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,757.73		151.73
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,891.48		161.21
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	2,254.90		170.70
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	2,474.85		175.40
<b>23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors (23 61 16 00-0041)</b>					
23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	3,055.68		472.22
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	5,914.81		590.27
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	9,963.78		718.61
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	12,721.23		826.38
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	14,047.58		918.20
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	15,569.78		1,032.98
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	20,188.96		1,180.55
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	26,076.12		1,180.55
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	32,232.80		1,377.31
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	36,312.80		1,475.69
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	38,371.63		1,546.50
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	39,436.44		1,622.89
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	40,569.03		1,629.18
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	42,616.82		1,705.86
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	44,687.51		1,776.40
<b>23 61 19 Scroll Refrigerant Compressors (23 61)</b>					
<b>23 61 19 00-0001 Scroll Refrigerant Compressors (23 61 19)</b>					
23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor .....	1,096.60		151.56
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor .....	1,150.45		161.31
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor .....	1,180.06		170.61
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor .....	1,203.54		175.49
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor .....	1,492.20		221.57
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor .....	2,817.36		332.36
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor .....	3,225.53		387.76
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor .....	3,616.18		443.15
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor .....	4,369.31		531.77
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor .....	5,144.11		598.25
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor .....	6,023.71		664.73
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor .....	8,475.87		886.29
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor .....	9,584.72		1,107.86
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor .....	10,286.97		1,329.44
<b>23 61 23 Rotary-Screw Refrigerant Compressors (23 61)</b>					
<b>23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors (23 61 23)</b>					
23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type .....	45,963.26		2,257.84
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type .....	47,377.81		2,285.57
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type .....	50,446.40		2,341.06
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type .....	53,481.71		2,396.72
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type .....	57,668.53		2,744.95
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type .....	61,229.89		2,806.39
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type .....	64,720.50		2,842.11
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type .....	68,318.35		2,930.04
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type .....	71,882.21		2,991.48

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 23 00-0011	EA		170 Ton Refrigerant Compressor, Rotary Screw Type .....	76,901.57	3,073.45
23 61 23 00-0012	EA		185 Ton Refrigerant Compressor, Rotary Screw Type .....	80,413.61	3,106.50
23 61 23 00-0013	EA		200 Ton Refrigerant Compressor, Rotary Screw Type .....	82,039.53	3,157.91
23 61 23 00-0014	EA		215 Ton Refrigerant Compressor, Rotary Screw Type .....	92,144.99	3,370.88
23 61 23 00-0015	EA		225 Ton Refrigerant Compressor, Rotary Screw Type .....	102,130.27	3,552.59

23 62 Packaged Compressor and Condenser Units (23 60)

23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units (23 62)

23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors (23 62 13)

Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	6,366.65	818.94
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	14,191.95	877.43
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	24,969.15	935.92
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	29,586.84	994.43
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	35,110.33	1,052.92
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	38,910.83	1,169.91
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	40,055.85	1,327.79
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	43,166.50	1,571.69
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	46,058.73	1,702.67
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	52,794.07	1,833.65
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	59,689.11	2,030.11
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	63,089.96	2,111.57
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	71,238.67	2,243.54
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	77,869.51	2,375.52

23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type (23 62 13)

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	6,074.13	818.94
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	12,526.99	877.43
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	19,582.77	935.92
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	21,151.48	994.43
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	22,720.20	1,052.92
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	26,934.06	1,169.91
23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	30,537.09	1,327.79
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	39,248.96	1,571.69
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	44,022.23	1,702.67
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	47,655.17	1,833.65
23 62 13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	54,796.41	2,030.11
23 62 13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	58,042.07	2,111.57
23 62 13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	63,673.16	2,243.54
23 62 13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	72,619.08	2,375.52

23 62 13 00-0031 Packaged Chiller With Remote Air Cooled Condenser (23 62 13)

Note: With remote air cooled condenser rated by cooling capacity. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0032	EA	15 Ton Packaged Chiller With Remote Air Cooled Condensers .....	33,077.52	7,636.42
		For Gas Fired Engine Driven, Add .....	5,470.62	
23 62 13 00-0033	EA	20 Ton Packaged Chiller With Remote Air Cooled Condensers .....	37,144.43	8,049.19
		For Gas Fired Engine Driven, Add .....	6,222.12	
23 62 13 00-0034	EA	25 Ton Packaged Chiller With Remote Air Cooled Condensers .....	42,911.11	8,759.33
		For Gas Fired Engine Driven, Add .....	7,268.97	
23 62 13 00-0035	EA	30 Ton Packaged Chiller With Remote Air Cooled Condensers .....	47,806.86	9,306.84
		For Gas Fired Engine Driven, Add .....	8,166.05	
23 62 13 00-0036	EA	40 Ton Packaged Chiller With Remote Air Cooled Condensers .....	59,281.01	10,269.61
		For Gas Fired Engine Driven, Add .....	10,316.53	
23 62 13 00-0037	EA	50 Ton Packaged Chiller With Remote Air Cooled Condensers .....	65,159.69	10,636.34
		For Gas Fired Engine Driven, Add .....	11,437.28	
23 62 13 00-0038	EA	60 Ton Packaged Chiller With Remote Air Cooled Condensers .....	70,774.78	11,454.53
		For Gas Fired Engine Driven, Add .....	12,437.63	
23 62 13 00-0039	EA	70 Ton Packaged Chiller With Remote Air Cooled Condensers .....	85,527.91	12,255.96
		For Gas Fired Engine Driven, Add .....	15,245.15	
23 62 13 00-0040	EA	75 Ton Packaged Chiller With Remote Air Cooled Condensers .....	86,531.73	12,503.66
		For Gas Fired Engine Driven, Add .....	15,431.73	
23 62 13 00-0041	EA	80 Ton Packaged Chiller With Remote Air Cooled Condensers .....	88,208.80	13,047.35
		For Gas Fired Engine Driven, Add .....	15,685.64	
23 62 13 00-0042	EA	90 Ton Packaged Chiller With Remote Air Cooled Condensers .....	97,596.17	13,640.42
		For Gas Fired Engine Driven, Add .....	17,474.20	
23 62 13 00-0043	EA	100 Ton Packaged Chiller With Remote Air Cooled Condensers .....	107,712.55	14,289.99
		For Gas Fired Engine Driven, Add .....	19,400.09	
23 62 13 00-0044	EA	110 Ton Packaged Chiller With Remote Air Cooled Condensers .....	119,145.34	15,004.44
		For Gas Fired Engine Driven, Add .....	21,579.53	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 60 Central Cooling Equipment**

**23 62 Packaged Compressor and Condenser Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 62 13 00-0045	EA		120 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	128,688.22 23,369.71	15,794.18
23 62 13 00-0046	EA		140 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	141,758.46 25,852.20	16,671.61

**23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units (23 62)**

**23 62 23 00-0001 Water Cooled Condensing Units (23 62 23)**

Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.

23 62 23 00-0002	EA		5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	5,807.40	651.69
23 62 23 00-0003	EA		10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	8,799.98	951.74
23 62 23 00-0004	EA		15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	10,061.87	1,031.45
23 62 23 00-0005	EA		20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	12,467.48	1,237.73
23 62 23 00-0006	EA		30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	13,495.08	1,456.22
23 62 23 00-0007	EA		60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	28,418.95	2,174.17
23 62 23 00-0008	EA		80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	35,252.30	2,624.04
23 62 23 00-0009	EA		120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	48,569.62	2,871.11

**23 63 Refrigerant Condensers (23 60)**

**23 63 13 Air-Cooled Refrigerant Condensers (23 63)**

**23 63 13 00-0001 Air Cooled Condensing Units (23 63 13)**

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil fill/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.

23 63 13 00-0002	EA		6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	4,196.19	651.69
			<i>For &gt;10 To 25, Deduct</i>	-96.27	
			<i>For &gt;25 To 50, Deduct</i>	-160.46	
			<i>For &gt;50, Deduct</i>	-256.73	
			<i>For Winter Start Control, Add</i>	227.07	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	663.95	
23 63 13 00-0003	EA		7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	5,023.08	773.58
			<i>For &gt;10 To 25, Deduct</i>	-115.53	
			<i>For &gt;25 To 50, Deduct</i>	-192.55	
			<i>For &gt;50, Deduct</i>	-308.08	
			<i>For Winter Start Control, Add</i>	194.23	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	601.10	
23 63 13 00-0004	EA		10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	6,508.32	951.74
			<i>For &gt;10 To 25, Deduct</i>	-151.97	
			<i>For &gt;25 To 50, Deduct</i>	-253.29	
			<i>For &gt;50, Deduct</i>	-405.26	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	715.25	
			<i>For Winter Start Control, Add</i>	245.57	
23 63 13 00-0005	EA		12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	7,974.60	990.19
			<i>For &gt;10 To 25, Deduct</i>	-194.23	
			<i>For &gt;25 To 50, Deduct</i>	-323.72	
			<i>For &gt;50, Deduct</i>	-517.95	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	828.27	
			<i>For Winter Start Control, Add</i>	279.51	
23 63 13 00-0006	EA		15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	9,445.71	1,031.45
			<i>For &gt;10 To 25, Deduct</i>	-236.49	
			<i>For &gt;25 To 50, Deduct</i>	-394.15	
			<i>For &gt;50, Deduct</i>	-630.63	
			<i>For Winter Start Control, Add</i>	235.11	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	863.67	
23 63 13 00-0007	EA		20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	12,136.06	1,237.73
			<i>For &gt;10 To 25, Deduct</i>	-307.82	
			<i>For &gt;25 To 50, Deduct</i>	-513.04	
			<i>For &gt;50, Deduct</i>	-820.86	
			<i>For Winter Start Control, Add</i>	290.14	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,084.48	
23 63 13 00-0008	EA		25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	13,775.39	1,331.50
			<i>For &gt;10 To 25, Deduct</i>	-352.79	
			<i>For &gt;25 To 50, Deduct</i>	-587.99	
			<i>For &gt;50, Deduct</i>	-940.78	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,150.70	
			<i>For Winter Start Control, Add</i>	319.16	
23 63 13 00-0009	EA		30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	15,768.00	1,453.40
			<i>For &gt;10 To 25, Deduct</i>	-407.07	
			<i>For &gt;25 To 50, Deduct</i>	-678.45	
			<i>For &gt;50, Deduct</i>	-1,085.52	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,228.21	
			<i>For Winter Start Control, Add</i>	355.60	
23 63 13 00-0010	EA		40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	21,599.08	1,729.46
			<i>For &gt;10 To 25, Deduct</i>	-567.96	
			<i>For &gt;25 To 50, Deduct</i>	-946.60	
			<i>For &gt;50, Deduct</i>	-1,514.55	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,613.39	
			<i>For Winter Start Control, Add</i>	456.04	
23 63 13 00-0011	EA		50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	26,258.69	2,174.17
			<i>For &gt;10 To 25, Deduct</i>	-687.17	
			<i>For &gt;25 To 50, Deduct</i>	-1,145.28	
			<i>For &gt;50, Deduct</i>	-1,832.45	
			<i>For Winter Start Control, Add</i>	449.83	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,754.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0012	EA		60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor ..... <i>For &gt;10 To 25, Deduct</i> <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50, Deduct</i> <i>For Winter Start Control, Add</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	30,182.64 -797.39 -1,328.98 -2,126.37 493.20 1,963.94	2,399.62
23 63 13 00-0013	EA		80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor ..... <i>For &gt;10 To 25, Deduct</i> <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50, Deduct</i> <i>For Winter Start Control, Add</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	38,938.32 -1,046.75 -1,744.58 -2,791.32 579.13 2,407.35	2,624.04
23 63 13 00-0014	EA		100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor ..... <i>For &gt;10 To 25, Deduct</i> <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winter Start Control, Add</i>	53,528.64 -1,461.57 -2,435.95 -3,897.52 2,663.99 724.56	2,362.67
23 63 13 00-0015	EA		120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor ..... <i>For &gt;10 To 25, Deduct</i> <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	65,709.87 -1,822.11 -3,036.86 -4,858.97 3,065.29	2,442.76
<b>23 63 13 00-0016</b>			<b>Air Cooled Condensing Units</b> <small>(23 63 13)</small> Note: Include compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Excludes piping and power wiring.		
23 63 13 00-0017	EA		1.5 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For &gt;10 To 25, Deduct</i> <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50, Deduct</i> <i>For 15 SEER, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	1,823.04 -35.90 -59.83 -95.73 287.20 490.63 1,029.12	417.59
23 63 13 00-0018	EA		2 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For &gt;10 To 25, Deduct</i> <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50, Deduct</i> <i>For 15 SEER, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	1,968.88 -38.19 -63.65 -101.83 305.50 521.89 1,094.69	464.22
23 63 13 00-0019	EA		2.5 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For &gt;10 To 25, Deduct</i> <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50, Deduct</i> <i>For 15 SEER, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	2,099.21 -40.01 -66.68 -106.69 320.07 546.79 1,146.92	510.64
23 63 13 00-0020	EA		3 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For &gt;10 To 25, Deduct</i> <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50, Deduct</i> <i>For 15 SEER, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	2,394.96 -46.79 -77.99 -124.78 374.35 639.51 1,341.41	556.78
23 63 13 00-0021	EA		3.5 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For &gt;10 To 25, Deduct</i> <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50, Deduct</i> <i>For 15 SEER, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	2,543.38 -49.16 -81.93 -131.09 393.27 671.83 1,409.20	603.48
23 63 13 00-0022	EA		4 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For &gt;10 To 25, Deduct</i> <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50, Deduct</i> <i>For 15 SEER, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	2,822.33 -55.44 -92.40 -147.84 443.51 757.66 1,589.25	649.91
23 63 13 00-0023	EA		5 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For &gt;10 To 25, Deduct</i> <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50, Deduct</i> <i>For 15 SEER, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	3,165.19 -63.64 -106.06 -169.70 509.09 869.70 1,824.25	695.98
<b>23 63 13 00-0024</b>			<b>Removal And Reinstallation Of AC Condensing Unit</b> <small>(23 63 13)</small> Note: Includes storage and cleaning.		
23 63 13 00-0025	EA		Removal And Reinstallation Of Up To 5 Tons Air Cooled Condensing Unit .....	427.99	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 60 Central Cooling Equipment****23 63 Refrigerant Condensers**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 63 13 00-0026	EA	Removal And Reinstallation Of 7.5 To 15 Tons Air Cooled Condensing Unit .....	1,604.95	
23 63 13 00-0027	EA	Removal And Reinstallation Of 20 To 40 Tons Air Cooled Condensing Unit .....	1,969.91	

**23 63 23 Water-Cooled Refrigerant Condensers (23 63)****23 63 23 00-0001 Water Cooled Condensers (23 63 23)**

Note: Steel shell and copper tube type. Includes equipment rigging.

23 63 23 00-0002	EA	15 Ton Water Cooled Condenser, Shell And Tube Type .....	7,142.41	348.32
		<i>For Saddle Legs, Add</i>	525.85	
23 63 23 00-0003	EA	20 Ton Water Cooled Condenser, Shell And Tube Type .....	9,289.90	467.97
		<i>For Saddle Legs, Add</i>	682.18	
23 63 23 00-0004	EA	25 Ton Water Cooled Condenser, Shell And Tube Type .....	12,148.66	584.95
		<i>For Saddle Legs, Add</i>	895.36	
		<i>For Dual Compressor, Add</i>	563.12	
23 63 23 00-0005	EA	30 Ton Water Cooled Condenser, Shell And Tube Type .....	12,781.62	711.69
		<i>For Saddle Legs, Add</i>	930.36	
		<i>For Dual Compressor, Add</i>	585.13	
23 63 23 00-0006	EA	40 Ton Water Cooled Condenser, Shell And Tube Type .....	15,286.15	910.23
		<i>For Saddle Legs, Add</i>	1,105.64	
		<i>For Dual Compressor, Add</i>	695.37	
23 63 23 00-0007	EA	50 Ton Water Cooled Condenser, Shell And Tube Type .....	17,457.57	1,023.67
		<i>For Saddle Legs, Add</i>	1,264.57	
		<i>For Dual Compressor, Add</i>	795.33	
23 63 23 00-0008	EA	60 Ton Water Cooled Condenser, Shell And Tube Type .....	21,221.87	1,169.91
		<i>For Saddle Legs, Add</i>	1,546.22	
		<i>For Dual Compressor, Add</i>	972.46	
23 63 23 00-0009	EA	75 Ton Water Cooled Condenser, Shell And Tube Type .....	26,175.24	1,364.89
		<i>For Saddle Legs, Add</i>	1,916.52	
		<i>For Dual Compressor, Add</i>	1,205.36	
23 63 23 00-0010	EA	100 Ton Water Cooled Condenser, Shell And Tube Type .....	28,843.55	1,761.07
		<i>For Saddle Legs, Add</i>	2,081.02	
		<i>For Dual Compressor, Add</i>	1,308.81	
23 63 23 00-0011	EA	150 Ton Water Cooled Condenser, Shell And Tube Type .....	41,580.29	2,099.63
		<i>For Saddle Legs, Add</i>	3,052.70	
		<i>For Dual Compressor, Add</i>	1,919.94	

**23 64 Packaged Water Chillers (23 60)**

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

**23 64 13 Absorption Water Chillers (23 64)****23 64 13 16 Indirect-Fired Absorption Water Chillers (23 64 13)****23 64 13 16-0001 Packaged, Steam Driven, Water Cooled Absorption Chillers (23 64 13 16)**

Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.

23 64 13 16-0002	EA	50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	123,482.96	6,095.68
		<i>For Two Stage Unit, Add</i>	82,555.42	
23 64 13 16-0003	EA	100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	156,970.94	7,274.92
		<i>For Two Stage Unit, Add</i>	105,205.28	
23 64 13 16-0004	EA	150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	199,405.68	7,468.88
		<i>For Two Stage Unit, Add</i>	134,784.95	
23 64 13 16-0005	EA	200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	221,125.65	7,610.95
		<i>For Two Stage Unit, Add</i>	149,897.65	
23 64 13 16-0006	EA	250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	247,508.80	7,801.71
		<i>For Two Stage Unit, Add</i>	168,243.26	
23 64 13 16-0007	EA	300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	279,769.43	8,262.01
		<i>For Two Stage Unit, Add</i>	190,529.95	
23 64 13 16-0008	EA	350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	300,149.16	8,461.68
		<i>For Two Stage Unit, Add</i>	204,667.45	
23 64 13 16-0009	EA	400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	358,016.17	8,807.61
		<i>For Two Stage Unit, Add</i>	244,952.10	
23 64 13 16-0010	EA	500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	401,411.77	9,064.15
		<i>For Two Stage Unit, Add</i>	275,164.18	
23 64 13 16-0011	EA	650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	493,362.41	12,789.20
		<i>For Two Stage Unit, Add</i>	337,136.18	
23 64 13 16-0012	EA	750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	536,867.90	14,898.07
		<i>For Two Stage Unit, Add</i>	366,235.01	
23 64 13 16-0013	EA	850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	575,183.89	15,560.13
		<i>For Two Stage Unit, Add</i>	392,630.76	
23 64 13 16-0014	EA	950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	615,695.32	15,975.49
		<i>For Two Stage Unit, Add</i>	420,831.37	
23 64 13 16-0015	EA	1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	705,407.71	16,529.14
		<i>For Two Stage Unit, Add</i>	483,278.12	
23 64 13 16-0016	EA	1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	772,119.90	17,035.12
		<i>For Two Stage Unit, Add</i>	529,655.00	
23 64 13 16-0017	EA	1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	907,370.29	20,999.23
		<i>For Two Stage Unit, Add</i>	621,810.34	
23 64 13 16-0018	EA	1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	1,061,299.98	22,111.83
		<i>For Two Stage Unit, Add</i>	728,853.90	

**23 64 16 Centrifugal Water Chillers (23 64)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 64 16 13 Air-Cooled Centrifugal Water Chillers (23 64 16)**

23 64 16 13-0001			<b>Magnetic Bearing, Air Cooled Centrifugal Chillers (23 64 16 13)</b> Note: SMARTT air cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, lowest ARI IPLV in industry. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface.		
23 64 16 13-0002	EA		85 Ton, Single Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller..... <i>For 5 Year Parts Only Compressor Warranty, Add</i>	166,514.57 4,584.00	5,535.66
23 64 16 13-0003	EA		175 Ton, Two Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller..... <i>For 5 Year Parts Only Compressor Warranty, Add</i>	236,219.92 9,168.00	7,427.99
23 64 16 13-0004	EA		240 Ton, Three Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i>	294,990.98 13,752.00	7,855.70

**23 64 16 16 Water-Cooled Centrifugal Water Chillers (23 64 16)**

23 64 16 16-0001			<b>Packaged Water-Cooled Centrifugal Water Chillers (23 64 16 16)</b> Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.		
23 64 16 16-0002	EA		180 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	138,730.71 5,182.70	5,704.34
23 64 16 16-0003	EA		200 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	151,667.02 5,690.75	5,848.80
23 64 16 16-0004	EA		225 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	167,303.24 6,306.77	5,997.47
23 64 16 16-0005	EA		250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	182,560.34 6,901.60	6,237.93
23 64 16 16-0006	EA		275 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	197,467.59 7,475.26	6,590.16
23 64 16 16-0007	EA		300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	211,829.78 8,027.74	6,932.79
23 64 16 16-0008	EA		325 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	225,721.25 8,558.97	7,312.91
23 64 16 16-0009	EA		350 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	239,053.52 9,069.09	7,673.54
23 64 16 16-0010	EA		375 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	251,803.69 9,557.97	8,002.37
23 64 16 16-0011	EA		400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	263,913.24 10,025.66	8,262.01
23 64 16 16-0012	EA		425 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	275,733.60 10,472.18	8,671.33
23 64 16 16-0013	EA		450 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	286,904.53 10,897.52	9,005.87
23 64 16 16-0014	EA		475 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	297,538.95 11,301.68	9,336.10
23 64 16 16-0015	EA		500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	307,524.34 11,684.66	9,591.85
23 64 16 16-0016	EA		550 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	325,629.73 12,387.02	9,931.98
23 64 16 16-0017	EA		600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	341,417.65 13,004.66	10,147.94
23 64 16 16-0018	EA		650 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	355,545.00 13,537.53	10,649.53
23 64 16 16-0019	EA		700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	367,566.53 13,985.68	11,158.73
23 64 16 16-0020	EA		750 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	377,555.41 14,349.23	11,718.92
23 64 16 16-0021	EA		800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	401,038.59 15,252.23	12,284.30
23 64 16 16-0022	EA		850 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	424,355.82 16,148.71	12,847.88
23 64 16 16-0023	EA		900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	447,594.04 17,038.55	13,465.56

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 60 Central Cooling Equipment**

**23 64 Packaged Water Chillers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0024	EA		950 Ton Packaged Water-Cooled Centrifugal Water Chiller ..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	470,764.86 17,921.69	14,145.62
23 64 16 16-0025	EA		1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller ..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	493,536.00 18,798.12	14,839.46
23 64 16 16-0026	EA		1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller ..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	535,429.28 20,328.73	17,122.53
23 64 16 16-0027	EA		1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller ..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	575,747.82 21,795.92	19,412.09
23 64 16 16-0028	EA		1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller ..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	613,786.65 23,199.57	21,266.74
23 64 16 16-0029	EA		1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller ..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	649,104.21 24,539.69	22,408.68
23 64 16 16-0030	EA		1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller ..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	682,769.55 25,816.08	23,513.25
23 64 16 16-0031	EA		1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller ..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	714,189.68 27,029.57	24,194.85
23 64 16 16-0032	EA		1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller ..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	745,616.17 28,179.32	25,882.82
23 64 16 16-0033	EA		1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller ..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	774,778.13 29,265.54	27,145.38
23 64 16 16-0034	EA		1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller ..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	802,948.39 30,288.22	28,783.49
23 64 16 16-0035	EA		2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller ..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	828,563.76 31,247.49	29,811.49
23 64 16 16-0036	EA		2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller ..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	882,434.29 33,367.85	31,498.95
23 64 16 16-0037	EA		2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller ..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	930,346.50 35,091.39	33,388.85
<b>23 64 16 16-0038</b>			<b>Magnetic Bearing, Water Cooled Centrifugal Water Chillers <sup>(23 64 16 16)</sup></b> Note: SMARDT water cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, 10 amp maximum inrush current and ARI part load <0.4kW per ton. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface, 12/18 month compressor warranty.		
23 64 16 16-0039	EA		60 To 85 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For Marine Water Box Connections, Add</i> <i>For 5 Year Parts Only Compressor Warranty, Add</i>	105,235.01 4,278.40 4,584.00	4,799.02
23 64 16 16-0040	EA		130 To 137 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For Marine Water Box Connections, Add</i> <i>For 5 Year Parts Only Compressor Warranty, Add</i>	132,372.03 4,278.40 4,584.00	5,577.86
23 64 16 16-0041	EA		125 To 170 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For Marine Water Box Connections, Add</i> <i>For 5 Year Parts Only Compressor Warranty, Add</i>	165,541.68 4,278.40 9,168.00	5,704.34
23 64 16 16-0042	EA		240 To 270 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For Marine Water Box Connections, Add</i> <i>For 5 Year Parts Only Compressor Warranty, Add</i>	215,324.33 4,278.40 9,168.00	6,590.16
23 64 16 16-0043	EA		210 To 260 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	216,862.53 13,752.00 4,278.40	6,237.93
23 64 16 16-0044	EA		355 To 405 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	325,014.20 13,752.00 4,278.40	8,262.01
23 64 16 16-0045	EA		299 To 340 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For Marine Water Box Connections, Add</i> <i>For 5 Year Parts Only Compressor Warranty, Add</i>	288,056.92 5,959.20 16,808.00	7,673.54
23 64 16 16-0046	EA		540 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For Marine Water Box Connections, Add</i> <i>For 5 Year Parts Only Compressor Warranty, Add</i>	400,012.42 5,959.20 16,808.00	9,931.98
23 64 16 16-0047	EA		425 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	358,253.15 19,864.00 5,959.20	8,671.33
23 64 16 16-0048	EA		650 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	479,198.43 19,864.00 5,959.20	10,649.53
23 64 16 16-0049	EA		510 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For Marine Water Box Connections, Add</i> <i>For 5 Year Parts Only Compressor Warranty, Add</i>	426,354.25 6,264.80 22,920.00	9,591.85
23 64 16 16-0050	EA		800 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For Marine Water Box Connections, Add</i> <i>For 5 Year Parts Only Compressor Warranty, Add</i>	549,307.06 6,264.80 22,920.00	12,284.30

**23 64 23 Scroll Water Chillers <sup>(23 64)</sup>**

**23 64 23 13 Air-Cooled Scroll Water Chillers <sup>(23 64 23)</sup>**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 64 23 13-0001 Packaged Air Cooled Scroll Water Chillers (23 64 23 13)**

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type and include scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0859 for crane lifting equipment.

23 64 23 13-0002	EA		10 Ton Packaged Air Cooled Scroll Water Chiller.....	21,630.04	1,483.83
23 64 23 13-0003	EA		15 Ton Packaged Air Cooled Scroll Water Chiller.....	31,622.29	1,502.86
23 64 23 13-0004	EA		18 Ton Packaged Air Cooled Scroll Water Chiller.....	34,507.08	1,607.49
23 64 23 13-0005	EA		22 Ton Packaged Air Cooled Scroll Water Chiller.....	37,956.06	1,721.62
23 64 23 13-0006	EA		25 Ton Packaged Air Cooled Scroll Water Chiller.....	38,587.46	1,835.77
23 64 23 13-0007	EA		30 Ton Packaged Air Cooled Scroll Water Chiller.....	40,722.46	1,968.93
23 64 23 13-0008	EA		40 Ton Packaged Air Cooled Scroll Water Chiller.....	46,545.09	2,130.63
23 64 23 13-0009	EA		45 Ton Packaged Air Cooled Scroll Water Chiller.....	49,988.66	2,311.35
23 64 23 13-0010	EA		50 Ton Packaged Air Cooled Scroll Water Chiller.....	52,778.24	2,377.93
23 64 23 13-0011	EA		55 Ton Packaged Air Cooled Scroll Water Chiller.....	55,123.10	2,482.57
23 64 23 13-0012	EA		60 Ton Packaged Air Cooled Scroll Water Chiller.....	56,974.89	2,568.17
23 64 23 13-0013	EA		70 Ton Packaged Air Cooled Scroll Water Chiller.....	65,721.12	2,891.57
23 64 23 13-0014	EA		80 Ton Packaged Air Cooled Scroll Water Chiller.....	70,751.86	3,167.42
23 64 23 13-0015	EA		90 Ton Packaged Air Cooled Scroll Water Chiller.....	72,032.99	3,176.93
23 64 23 13-0016	EA		100 Ton Packaged Air Cooled Scroll Water Chiller.....	76,189.92	3,186.44
23 64 23 13-0017	EA		110 Ton Packaged Air Cooled Scroll Water Chiller.....	80,236.11	3,195.95
23 64 23 13-0018	EA		120 Ton Packaged Air Cooled Scroll Water Chiller.....	84,332.61	3,205.46
23 64 23 13-0019	EA		130 Ton Packaged Air Cooled Scroll Water Chiller.....	88,640.32	3,214.97

**23 64 23 16 Water-Cooled Scroll Water Chillers (23 64 23)**

**23 64 23 16-0001 Packaged Water Cooled Scroll Water Chillers (23 64 23 16)**

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 16-0002	EA		20 Ton Packaged Water Cooled Scroll Water Chiller .....	41,336.47	1,834.39
23 64 23 16-0003	EA		25 Ton Packaged Water Cooled Scroll Water Chiller .....	47,716.62	1,889.80
23 64 23 16-0004	EA		30 Ton Packaged Water Cooled Scroll Water Chiller .....	52,951.10	2,074.62
23 64 23 16-0005	EA		40 Ton Packaged Water Cooled Scroll Water Chiller .....	65,081.53	2,659.08
23 64 23 16-0006	EA		50 Ton Packaged Water Cooled Scroll Water Chiller .....	72,015.43	2,914.09
23 64 23 16-0007	EA		60 Ton Packaged Water Cooled Scroll Water Chiller .....	75,568.52	3,219.70

**23 64 26 Rotary-Screw Water Chillers (23 64)**

**23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers (23 64 26)**

**23 64 26 13-0001 Packaged Air Cooled Rotary-Screw Water Chillers (23 64 26 13)**

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0859 for crane lifting equipment.

23 64 26 13-0002	EA		70 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	93,419.04	3,643.00
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,319.39	
			<i>For 208/230 Voltage Motor Rating, Add</i>	3,518.37	
23 64 26 13-0003	EA		80 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	100,398.18	3,956.89
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,417.09	
			<i>For 208/230 Voltage Motor Rating, Add</i>	3,778.89	
23 64 26 13-0004	EA		90 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	105,613.23	4,128.10
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,491.32	
			<i>For 208/230 Voltage Motor Rating, Add</i>	3,976.84	
23 64 26 13-0005	EA		100 Ton Packaged Air Cooled Rotary-Screw Water Chiller .....	109,502.95	4,441.99
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,542.67	
			<i>For 208/230 Voltage Motor Rating, Add</i>	4,113.79	
23 64 26 13-0006	EA		110 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	117,530.23	4,660.76
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,658.23	
			<i>For 208/230 Voltage Motor Rating, Add</i>	4,421.94	
23 64 26 13-0007	EA		120 Ton Packaged Air Cooled Rotary-Screw Water Chiller .....	124,912.68	4,755.88
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,766.68	
			<i>For 208/230 Voltage Motor Rating, Add</i>	4,711.15	
23 64 26 13-0008	EA		130 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	131,867.85	4,917.58
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,867.44	
			<i>For 208/230 Voltage Motor Rating, Add</i>	4,979.85	
23 64 26 13-0009	EA		140 Ton Packaged Air Cooled Rotary-Screw Water Chiller .....	136,089.21	5,022.21
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,928.34	
			<i>For 208/230 Voltage Motor Rating, Add</i>	5,142.24	
23 64 26 13-0010	EA		160 Ton Packaged Air Cooled Rotary-Screw Water Chiller .....	143,717.30	5,126.83
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,040.33	
			<i>For 208/230 Voltage Motor Rating, Add</i>	5,440.89	
23 64 26 13-0011	EA		170 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	150,020.91	5,288.53
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,131.32	
			<i>For 208/230 Voltage Motor Rating, Add</i>	5,683.52	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 60 Central Cooling Equipment****23 64 Packaged Water Chillers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 13-0012	EA		180 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	158,203.77 -2,249.36 5,998.28	5,497.80
23 64 26 13-0013	EA		200 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	165,381.91 -2,354.60 6,278.94	5,611.93
23 64 26 13-0014	EA		215 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	177,307.11 -2,531.20 6,749.86	5,707.05
23 64 26 13-0015	EA		225 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	185,231.88 -2,648.93 7,063.81	5,764.13
23 64 26 13-0016	EA		240 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	193,156.66 -2,766.66 7,377.76	5,811.68
23 64 26 13-0017	EA		260 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	216,873.89 -3,119.85 8,319.60	5,925.83
23 64 26 13-0018	EA		280 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	228,808.61 -3,296.44 8,790.52	6,039.96
23 64 26 13-0019	EA		300 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	244,658.15 -3,531.90 9,418.41	6,135.08
23 64 26 13-0020	EA		325 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	268,356.37 -3,885.09 10,360.25	6,239.71
23 64 26 13-0021	EA		350 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	292,596.86 -4,246.85 11,324.93	6,315.81

**23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers (23 64 26)****23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers (23 64 26 16)**

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002	EA		70 Ton Packaged Water Cooled Helical Rotary Water Chiller	80,755.62	4,499.08
23 64 26 16-0003	EA		80 Ton Packaged Water Cooled Helical Rotary Water Chiller	87,783.66	4,674.05
23 64 26 16-0004	EA		90 Ton Packaged Water Cooled Helical Rotary Water Chiller	93,879.30	4,799.02
23 64 26 16-0005	EA		100 Ton Packaged Water Cooled Helical Rotary Water Chiller	99,140.79	5,001.48
23 64 26 16-0006	EA		110 Ton Packaged Water Cooled Helical Rotary Water Chiller	104,401.93	5,138.95
23 64 26 16-0007	EA		125 Ton Packaged Water Cooled Helical Rotary Water Chiller	110,817.57	5,283.22
23 64 26 16-0008	EA		130 Ton Packaged Water Cooled Helical Rotary Water Chiller	113,660.57	5,430.90
23 64 26 16-0009	EA		150 Ton Packaged Water Cooled Helical Rotary Water Chiller	123,219.38	5,577.86
23 64 26 16-0010	EA		175 Ton Packaged Water Cooled Helical Rotary Water Chiller	132,513.51	5,715.94
23 64 26 16-0011	EA		190 Ton Packaged Water Cooled Helical Rotary Water Chiller	137,014.45	6,001.78
23 64 26 16-0012	EA		200 Ton Packaged Water Cooled Helical Rotary Water Chiller	164,397.72	6,291.22
23 64 26 16-0013	EA		210 Ton Packaged Water Cooled Helical Rotary Water Chiller	166,601.96	6,425.90
23 64 26 16-0014	EA		235 Ton Packaged Water Cooled Helical Rotary Water Chiller	181,274.71	6,566.46
23 64 26 16-0015	EA		255 Ton Packaged Water Cooled Helical Rotary Water Chiller	192,647.82	6,867.00
23 64 26 16-0016	EA		275 Ton Packaged Water Cooled Helical Rotary Water Chiller	203,410.88	7,144.94
23 64 26 16-0017	EA		300 Ton Packaged Water Cooled Helical Rotary Water Chiller	215,959.80	7,427.99
23 64 26 16-0018	EA		350 Ton Packaged Water Cooled Helical Rotary Water Chiller	237,066.98	8,086.35
23 64 26 16-0019	EA		400 Ton Packaged Water Cooled Helical Rotary Water Chiller	254,242.02	8,894.19
23 64 26 16-0020	EA		450 Ton Packaged Water Cooled Helical Rotary Water Chiller	267,501.04	9,784.01

**23 65 Cooling Towers (23 60)****23 65 13 Forced-Draft Cooling Towers (23 65)****23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13)****23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13 16)****23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers (23 65 13 16-0001)**

Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 16-0003	EA		50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	17,119.75 8,850.79	1,578.95
23 65 13 16-0004	EA		75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	23,600.21 12,430.89	1,930.89
23 65 13 16-0005	EA		100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	29,590.32 15,414.30	2,425.50
23 65 13 16-0006	EA		125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	34,127.38 17,862.59	2,710.85
23 65 13 16-0007	EA		150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	39,004.22 20,457.69	3,053.27
23 65 13 16-0008	EA		175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	43,855.97 23,014.90	3,424.23
23 65 13 16-0009	EA		200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	49,219.32 25,856.25	3,814.21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 13 16-0010	EA		225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	53,787.75 28,129.33	4,299.31
23 65 13 16-0011	EA		250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	58,599.23 30,553.94	4,774.91
23 65 13 16-0012	EA		275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	64,164.76 33,054.32	5,649.98
23 65 13 16-0013	EA		300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	69,731.71 35,800.96	6,258.74
23 65 13 16-0014	EA		325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	73,478.49 37,695.19	6,658.23
23 65 13 16-0015	EA		350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	77,863.37 39,920.92	7,048.21
23 65 13 16-0016	EA		375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	82,124.57 42,146.63	7,390.63
23 65 13 16-0017	EA		400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	87,007.70 44,751.20	7,733.06
23 65 13 16-0018	EA		425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	92,181.81 47,450.48	8,151.57
23 65 13 16-0019	EA		450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	98,056.77 50,575.96	8,570.09
23 65 13 16-0020	EA		475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	103,767.20 53,654.09	8,931.54
23 65 13 16-0021	EA		500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	109,487.14 56,732.21	9,292.98
23 65 13 16-0022	EA		550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	120,365.82 62,888.46	9,682.97
23 65 13 16-0023	EA		600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	132,191.62 69,612.98	10,063.44
23 65 13 16-0024	EA		650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	137,003.30 72,454.33	10,272.69
23 65 13 16-0025	EA		700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	142,762.07 75,863.94	10,405.86
23 65 13 16-0026	EA		750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	149,439.67 79,368.27	10,938.52
23 65 13 16-0027	EA		800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	157,222.21 83,535.58	11,471.17
23 65 13 16-0028	EA		850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	165,080.85 87,702.88	12,051.39
23 65 13 16-0029	EA		900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	174,202.32 92,627.89	12,631.61
23 65 13 16-0030	EA		950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	183,614.79 97,647.59	13,297.43
23 65 13 16-0031	EA		1,000 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	194,280.57 103,425.00	13,963.26

**23 65 14 Induced-Draft Cooling Towers** (23 65)

**23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers** (23 65 14)

**23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers**

(23 65 14 13)

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 13-0002	EA		10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	8,725.02 1,069.06 2,138.11	1,065.31
23 65 14 13-0003	EA		20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	10,349.89 1,292.81 2,585.63	1,150.92
23 65 14 13-0004	EA		30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	12,382.35 1,566.29 3,132.59	1,293.59
23 65 14 13-0005	EA		40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	13,742.30 1,740.32 3,480.65	1,426.77
23 65 14 13-0006	EA		50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	16,291.03 2,088.39 4,176.78	1,578.95
23 65 14 13-0007	EA		60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	18,965.48 2,462.45 4,924.90	1,702.61
23 65 14 13-0008	EA		75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	21,777.01 2,834.24 5,668.49	1,930.89
23 65 14 13-0009	EA		100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	27,104.15 3,480.65 6,961.30	2,425.50
23 65 14 13-0010	EA		125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	29,549.66 3,778.99 7,557.98	2,710.85
23 65 14 13-0011	EA		150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	45,219.13 6,046.66 12,093.32	3,053.27
23 65 14 13-0012	EA		200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	54,708.65 7,287.46 14,574.92	3,814.21

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 60 Central Cooling Equipment****23 65 Cooling Towers**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 13-0013	EA		300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	70,669.04 9,090.84 18,181.68	6,258.74
<b>23 65 14 13-0014</b>			<b>Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers</b> <sup>(23 65 14 13)</sup>		
			Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.		
23 65 14 13-0015	EA		100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	27,104.15 3,480.65 6,961.30	2,425.50
23 65 14 13-0016	EA		150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	36,123.41 4,682.30 9,364.60	3,053.27
23 65 14 13-0017	EA		200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	45,904.42 5,966.83 11,933.66	3,814.21
23 65 14 13-0018	EA		250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	54,447.70 7,015.76 14,031.51	4,774.91
23 65 14 13-0019	EA		300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	64,656.75 8,189.00 16,377.99	6,258.74
23 65 14 13-0020	EA		350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	72,062.28 9,110.07 18,220.13	7,048.21
23 65 14 13-0021	EA		400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	80,377.89 10,193.33 20,386.66	7,733.06
23 65 14 13-0022	EA		450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	91,111.26 11,602.16 23,204.33	8,570.09
23 65 14 13-0023	EA		500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	102,778.40 13,176.74 26,353.49	9,292.98
23 65 14 13-0024	EA		550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	110,105.41 14,183.05 28,366.11	9,797.10
23 65 14 13-0025	EA		600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	118,027.51 15,278.63 30,557.26	10,063.44
23 65 14 13-0026	EA		700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	134,001.26 17,651.86 35,303.73	10,405.86
23 65 14 13-0027	EA		800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	146,961.79 19,344.83 38,689.66	11,471.17
23 65 14 13-0028	EA		900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	162,363.37 21,381.13 42,762.26	12,631.61
<b>23 65 14 14</b>			<b>Open-Circuit, Induced-Draft Crossflow Cooling Towers</b> <sup>(23 65 14)</sup>		
<b>23 65 14 14-0001</b>			<b>Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers</b> <sup>(23 65 14 14)</sup>		
			Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0859 for crane lifting equipment.		
23 65 14 14-0002	EA		10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	7,403.04 870.76 1,741.52	1,065.31
23 65 14 14-0003	EA		15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	7,995.09 956.71 1,913.43	1,084.34
23 65 14 14-0004	EA		20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	8,695.39 1,038.93 2,077.86	1,179.46
23 65 14 14-0005	EA		25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	10,176.21 1,248.21 2,496.42	1,236.53
23 65 14 14-0006	EA		30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	11,532.44 1,438.81 2,877.61	1,293.59
23 65 14 14-0007	EA		35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	12,857.87 1,621.93 3,243.86	1,360.18
23 65 14 14-0008	EA		40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	14,074.14 1,790.10 3,580.20	1,426.77
23 65 14 14-0009	EA		45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	15,424.49 1,976.96 3,953.92	1,502.86
23 65 14 14-0010	EA		50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	16,744.04 2,156.34 4,312.68	1,578.95

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0011	EA		60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	19,341.46 2,518.85 5,037.69	1,702.61
23 65 14 14-0012	EA		70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	22,157.22 2,911.25 5,822.50	1,835.77
23 65 14 14-0013	EA		75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	23,461.35 3,086.89 6,173.79	1,930.89
23 65 14 14-0014	EA		80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	24,879.63 3,262.54 6,525.08	2,092.59
23 65 14 14-0015	EA		90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	25,924.20 3,382.13 6,764.26	2,254.29
23 65 14 14-0016	EA		100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	27,867.47 3,595.15 7,190.30	2,425.50
23 65 14 14-0017	EA		125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	28,996.73 3,696.05 7,392.10	2,710.85
23 65 14 14-0018	EA		150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	33,684.20 4,316.42 8,632.84	3,053.27
23 65 14 14-0019	EA		175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	37,213.83 4,757.40 9,514.81	3,424.23
23 65 14 14-0020	EA		200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	39,162.06 4,955.47 9,910.95	3,814.21
23 65 14 14-0021	EA		225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	45,273.72 5,755.23 11,510.45	4,299.31
23 65 14 14-0022	EA		250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	49,631.84 6,293.38 12,586.76	4,774.91
23 65 14 14-0023	EA		275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	53,048.14 6,596.09 13,192.18	5,649.98
23 65 14 14-0024	EA		300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	57,226.40 7,074.44 14,148.89	6,258.74
23 65 14 14-0025	EA		350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	65,417.67 8,113.37 16,226.75	7,048.21
23 65 14 14-0026	EA		400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	72,117.26 8,954.24 17,908.47	7,733.06
23 65 14 14-0027	EA		450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	79,711.92 9,892.26 19,784.53	8,570.09
23 65 14 14-0028	EA		500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	86,861.32 10,789.18 21,578.36	9,292.98
23 65 14 14-0029	EA		600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	99,309.34 12,470.90 24,941.81	10,063.44
23 65 14 14-0030	EA		700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	111,445.35 14,268.48 28,536.95	10,405.86
23 65 14 14-0031	EA		800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	124,580.05 15,987.57 31,975.14	11,471.17
23 65 14 14-0032	EA		900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	137,318.82 17,624.45 35,248.89	12,631.61
23 65 14 14-0033	EA		1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	149,791.19 19,182.84 38,365.69	13,963.26
23 65 14 14-0034	EA		1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	163,976.87 21,152.33 42,304.65	14,638.60
23 65 14 14-0035	EA		1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	177,657.05 23,054.54 46,109.08	15,266.37
23 65 14 14-0036	EA		1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	188,954.83 24,441.03 48,882.05	16,578.99
23 65 14 14-0037	EA		1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	199,881.60 25,749.03 51,498.07	17,986.73
23 65 14 14-0038	EA		1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	210,408.82 26,978.56 53,957.12	19,470.56
23 65 14 14-0039	EA		1,600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	220,125.21 28,122.13 56,244.26	20,811.72
23 65 14 14-0040	EA		1,700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	229,607.37 29,183.48 58,366.97	22,343.11

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 60 Central Cooling Equipment****23 65 Cooling Towers**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0041	EA		1,800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	238,946.78 30,166.36 60,332.71	24,112.31
23 65 14 14-0042	EA		1,900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	247,703.70 31,063.27 62,126.55	25,881.49
23 65 14 14-0043	EA		2,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	256,945.65 31,881.71 63,763.43	28,297.48
<b>23 65 14 14-0044</b>			<b>Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers</b> <sup>(23 65 14 14)</sup>		
			Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0859 for crane lifting equipment.		
23 65 14 14-0045	EA		100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	75,234.50 3,566.73	2,425.50
23 65 14 14-0046	EA		125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	85,274.57 4,045.91	2,691.83
23 65 14 14-0047	EA		150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	93,191.27 4,414.16	3,053.27
23 65 14 14-0048	EA		200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	103,577.71 4,872.61	3,814.21
23 65 14 14-0049	EA		250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	117,299.84 5,481.19	4,774.91
23 65 14 14-0050	EA		300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	134,637.69 6,228.71	6,258.74
23 65 14 14-0051	EA		350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	146,673.93 6,767.27	7,048.21
23 65 14 14-0052	EA		400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	158,538.94 7,305.83	7,733.06
23 65 14 14-0053	EA		500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	182,969.57 8,401.81	9,292.98
23 65 14 14-0054	EA		600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	206,689.29 9,525.97	10,063.44
23 65 14 14-0055	EA		750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	256,028.63 11,897.82	10,938.52
23 65 14 14-0056	EA		1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	332,367.19 15,523.08	13,963.26
<b>23 65 14 16</b>			<b>Closed-Circuit, Induced-Draft Counterflow Cooling Towers</b> <sup>(23 65 14)</sup>		
<b>23 65 14 16-0001</b>			<b>Stainless Steel Packaged Propeller Type Cooling Towers</b> <sup>(23 65 14 16)</sup>		
			Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.		
<b>23 65 14 16-0002</b>			<b>Draw-Thru Stainless Steel Propeller Type Cooling Towers</b> <sup>(23 65 14 16-0001)</sup>		
			Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0859 for crane lifting equipment.		
23 65 14 16-0003	EA		50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	31,596.97	1,578.95
23 65 14 16-0004	EA		75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	44,920.97	1,930.89
23 65 14 16-0005	EA		100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	52,930.27	2,425.50
23 65 14 16-0006	EA		125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	60,004.91	2,710.85
23 65 14 16-0007	EA		150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	65,822.66	3,053.27
23 65 14 16-0008	EA		200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	78,924.29	3,814.21
23 65 14 16-0009	EA		250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	92,874.25	4,774.91
23 65 14 16-0010	EA		300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	110,073.91	6,258.74
23 65 14 16-0011	EA		350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	120,496.71	7,048.21
23 65 14 16-0012	EA		400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	136,623.13	7,733.06
23 65 14 16-0013	EA		500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	158,360.97	9,292.98
23 65 14 16-0014	EA		600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	178,790.65	10,063.44
23 65 14 16-0015	EA		750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	221,181.96	10,938.52
23 65 14 16-0016	EA		1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	281,754.28	13,811.07
<b>23 65 14 16-0017</b>			<b>Belt Driven Stainless Steel Propeller Type Cooling Towers</b> <sup>(23 65 14 16-0001)</sup>		
			Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0859 for crane lifting equipment.		
23 65 14 16-0018	EA		100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	55,137.54	2,425.50
23 65 14 16-0019	EA		125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	59,661.31	2,710.85
23 65 14 16-0020	EA		150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	64,283.92	3,053.27
23 65 14 16-0021	EA		200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	76,014.88	3,814.21
23 65 14 16-0022	EA		250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	83,765.07	4,774.91
<b>23 65 14 16-0023</b>			<b>Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers</b> <sup>(23 65 14 16)</sup>		
			Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.		
23 65 14 16-0024	EA		5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	3,702.40	989.22
23 65 14 16-0025	EA		8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	3,897.14	1,036.79
23 65 14 16-0026	EA		10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,516.52	1,065.31
23 65 14 16-0027	EA		15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,093.15	1,084.34
23 65 14 16-0028	EA		20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	6,645.29	1,179.46
23 65 14 16-0029	EA		25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	7,027.50	1,236.53
23 65 14 16-0030	EA		30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	7,931.72	1,293.59
23 65 14 16-0031	EA		40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	9,139.90	1,426.77
23 65 14 16-0032	EA		50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	10,198.67	1,578.95

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 16-0033 EA 60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	11,423.42	1,702.61
23 65 14 16-0034 EA 70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	13,165.49	1,835.77
23 65 14 16-0035 EA 80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	14,340.84	2,092.59
23 65 14 16-0036 EA 100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	17,366.01	2,425.50
23 65 14 16-0037 EA 125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	21,440.55	2,710.85
23 65 14 16-0038 EA 150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	24,080.29	3,053.27
23 65 14 16-0039 EA 175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	29,213.94	3,424.23
23 65 14 16-0040 EA 200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	32,582.29	3,814.21
23 65 14 16-0041 EA 225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	36,019.80	4,299.31
23 65 14 16-0042 EA 250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	39,305.41	4,774.91
23 65 14 16-0043 EA 300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	47,138.44	6,258.74
23 65 14 16-0044 EA 350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	53,564.35	7,048.21
23 65 14 16-0045 EA 400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	59,522.44	7,733.06
23 65 14 16-0046 EA 500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	72,355.21	9,102.76
23 65 14 16-0047 EA 600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	82,608.39	10,063.44
23 65 14 16-0048 EA 700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	87,244.21	7,733.06
23 65 14 16-0049 EA 800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	100,047.67	11,471.17
23 65 14 16-0050 EA 1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	114,013.41	9,559.32

**23 65 43 Cooling Tower Basins and Accessories (23 65)**

**23 65 43 00-0001 Fiberglass Cooling Tower Remote Sump Basins (23 65 43)**

Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0859 for crane lifting equipment.

23 65 43 00-0002 EA 30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,047.09	
For Anti-Flotation Flanges, Add	115.00	
For Perforated Basins, Add	80.00	
23 65 43 00-0003 EA 30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,186.36	
For Anti-Flotation Flanges, Add	115.00	
For Perforated Basins, Add	80.00	
23 65 43 00-0004 EA 36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,158.87	
For Anti-Flotation Flanges, Add	253.00	
For Perforated Basins, Add	80.00	
23 65 43 00-0005 EA 36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,361.75	
For Anti-Flotation Flanges, Add	253.00	
For Perforated Basins, Add	80.00	
23 65 43 00-0006 EA 42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,480.95	
For Anti-Flotation Flanges, Add	100.00	
For Perforated Basins, Add	276.00	
23 65 43 00-0007 EA 42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,642.28	
For Anti-Flotation Flanges, Add	100.00	
For Perforated Basins, Add	276.00	
23 65 43 00-0008 EA 42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,803.62	
For Anti-Flotation Flanges, Add	100.00	
For Perforated Basins, Add	276.00	
23 65 43 00-0009 EA 48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,814.26	
For Anti-Flotation Flanges, Add	140.00	
For Perforated Basins, Add	294.00	
23 65 43 00-0010 EA 48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,001.68	
For Anti-Flotation Flanges, Add	140.00	
For Perforated Basins, Add	294.00	
23 65 43 00-0011 EA 48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,286.23	
For Anti-Flotation Flanges, Add	140.00	
For Perforated Basins, Add	294.00	
23 65 43 00-0012 EA 48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,572.79	
For Anti-Flotation Flanges, Add	140.00	
For Perforated Basins, Add	294.00	
23 65 43 00-0013 EA 48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,756.20	
For Anti-Flotation Flanges, Add	140.00	
For Perforated Basins, Add	294.00	

**23 70 Central HVAC Equipment (23)**

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

**23 71 Thermal Storage (23 70)**

**23 71 13 Thermal Heat Storage (23 71)**

**23 71 13 23 Pressurized-Water Thermal Storage Tanks (23 71 13)**

**23 71 13 23-0001 Nickelshield Storage Tanks (23 71 13 23)**

23 71 13 23-0002 EA 325 Gallon Nickelshield Storage Tank .....	20,747.62	177.08
23 71 13 23-0003 EA 490 Gallon Nickelshield Storage Tank .....	28,950.41	234.78
23 71 13 23-0004 EA 605 Gallon Nickelshield Storage Tank .....	33,147.34	283.97
23 71 13 23-0005 EA 740 Gallon Nickelshield Storage Tank .....	39,251.13	354.96
23 71 13 23-0006 EA 940 Gallon Nickelshield Storage Tank .....	45,679.26	471.87
23 71 13 23-0007 EA 1,505 Gallon Nickelshield Storage Tank .....	59,041.91	710.02
23 71 13 23-0008 EA 1,615 Gallon Nickelshield Storage Tank .....	66,673.13	799.71
23 71 13 23-0009 EA 2,275 Gallon Nickelshield Storage Tank .....	91,552.18	1,062.22
23 71 13 23-0010 EA 3,815 Gallon Nickelshield Storage Tank .....	118,430.18	1,234.88

**23 72 Air-To-Air Energy Recovery Equipment (23 70)**

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 72 Air-To-Air Energy Recovery Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment (23 72)**

23 72 13 00-0001	Enthalpy Recovery Wheel (23 72 13)		
23 72 13 00-0002	EA Up To 1,000 CFM Enthalpy Recovery Wheel .....	7,588.08	678.47
23 72 13 00-0003	EA >1,000 To 2,000 CFM Enthalpy Recovery Wheel .....	8,447.02	814.37
23 72 13 00-0004	EA >2,000 To 4,000 CFM Enthalpy Recovery Wheel .....	10,569.42	1,017.97
23 72 13 00-0005	EA >4,000 To 6,000 CFM Enthalpy Recovery Wheel .....	12,349.72	1,163.02
23 72 13 00-0006	EA >6,000 To 8,000 CFM Enthalpy Recovery Wheel .....	13,639.72	1,221.56
23 72 13 00-0007	EA >8,000 To 10,000 CFM Enthalpy Recovery Wheel .....	16,529.26	1,357.45
23 72 13 00-0008	EA >10,000 To 15,000 CFM Enthalpy Recovery Wheel .....	21,813.16	1,425.15
23 72 13 00-0009	EA >15,000 To 20,000 CFM Enthalpy Recovery Wheel .....	27,075.31	1,526.94
23 72 13 00-0010	EA >20,000 To 25,000 CFM Enthalpy Recovery Wheel .....	32,748.64	1,744.79
23 72 13 00-0011	EA >25,000 To 30,000 CFM Enthalpy Recovery Wheel .....	36,808.42	2,239.52
23 72 13 00-0012	EA >30,000 To 40,000 CFM Enthalpy Recovery Wheel .....	49,156.95	2,544.91
23 72 13 00-0013	EA >40,000 To 50,000 CFM Enthalpy Recovery Wheel .....	58,477.77	3,053.89

**23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment (23 72)**

23 72 16 00-0001	Glycol Heat Pipe Type, 50 Percent Efficient (23 72 16)		
23 72 16 00-0002	EA 100 MBH, 1,700 CFM Glycol Heat Recovery Unit .....	13,408.45	508.98
23 72 16 00-0003	EA 160 MBH, 2,700 CFM Glycol Heat Recovery Unit .....	21,036.28	678.67
23 72 16 00-0004	EA 620 MBH, 4,000 CFM Glycol Heat Recovery Unit .....	31,190.00	1,017.97

**23 73 Indoor Central-Station Air-Handling Units (23 70)****23 73 13 Modular Indoor Central-Station Air-Handling Units (23 73)**

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

23 73 13 00-0001	Single Zone Units (23 73 13)		
23 73 13 00-0002	EA 300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	2,325.82	655.29
	For Economizer, Panel, Controls And Damper(s), Add	1,295.29	
	For Medium Capacity Filter Box And Throwaway Filters, Add	343.47	
	For Hot Water Heating Coil, Copper Fins, Add	580.00	
	For Chilled Water Cooling Coil, Copper Fins, Add	857.94	
	For Electric Heating Coil, Add	718.97	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	649.49	
	For Manual Roll Filter, Add	857.94	
	For Variable Air Volume, Add	194.56	
	For Hot Water Heating Coil, Aluminum Fins, Add	441.04	
	For Steam Heating Coil, Aluminum Fins, Add	580.00	
	For Flat Filter Box And Throwaway Filters, Add	185.78	
	For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	463.71	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	718.97	
	For Automatic Roll Filter, Add	927.43	
	For Combination Filter Mixing Box And Throwaway Filters, Add	510.52	
	For 2 Coils, Independent Circuits, Add	260.38	
	For Direct Expansion Cooling Coil, Copper Fins, Add	788.46	
23 73 13 00-0003	EA 500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	3,581.15	786.35
	For Economizer, Panel, Controls And Damper(s), Add	1,425.72	
	For Medium Capacity Filter Box And Throwaway Filters, Add	570.31	
	For Hot Water Heating Coil, Copper Fins, Add	972.79	
	For Chilled Water Cooling Coil, Copper Fins, Add	1,464.53	
	For Electric Heating Coil, Add	1,218.66	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,095.72	
	For Manual Roll Filter, Add	1,464.53	
	For Variable Air Volume, Add	344.22	
	For Hot Water Heating Coil, Aluminum Fins, Add	726.92	
	For Steam Heating Coil, Aluminum Fins, Add	972.79	
	For Flat Filter Box And Throwaway Filters, Add	301.99	
	For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	793.73	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	1,218.66	
	For Automatic Roll Filter, Add	1,587.46	
	For Combination Filter Mixing Box And Throwaway Filters, Add	849.85	
	For 2 Coils, Independent Circuits, Add	407.29	
	For Direct Expansion Cooling Coil, Copper Fins, Add	1,341.59	
23 73 13 00-0004	EA 800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	4,031.97	844.51
	For Economizer, Panel, Controls And Damper(s), Add	1,484.45	
	For Medium Capacity Filter Box And Throwaway Filters, Add	649.57	
	For Hot Water Heating Coil, Copper Fins, Add	1,109.60	
	For Chilled Water Cooling Coil, Copper Fins, Add	1,674.72	
	For Electric Heating Coil, Add	1,392.16	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,250.88	
	For Manual Roll Filter, Add	1,674.72	
	For Variable Air Volume, Add	395.59	
	For Hot Water Heating Coil, Aluminum Fins, Add	827.04	
	For Steam Heating Coil, Aluminum Fins, Add	1,109.60	
	For Flat Filter Box And Throwaway Filters, Add	342.88	
	For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	908.00	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	1,392.16	
	For Automatic Roll Filter, Add	1,816.00	
	For Combination Filter Mixing Box And Throwaway Filters, Add	968.32	
	For 2 Coils, Independent Circuits, Add	459.71	
	For Direct Expansion Cooling Coil, Copper Fins, Add	1,533.44	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0005	EA		1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 4,532.45	907.46	
			For Economizer, Panel, Controls And Damper(s), Add	1,547.61	
			For Medium Capacity Filter Box And Throwaway Filters, Add	737.93	
			For Hot Water Heating Coil, Copper Fins, Add	1,262.21	
			For Chilled Water Cooling Coil, Copper Fins, Add	1,909.39	
			For Electric Heating Coil, Add	1,585.80	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,424.01	
			For Manual Roll Filter, Add	1,909.39	
			For Variable Air Volume, Add	453.02	
			For Hot Water Heating Coil, Aluminum Fins, Add	938.63	
			For Steam Heating Coil, Aluminum Fins, Add	1,262.21	
			For Flat Filter Box And Throwaway Filters, Add	388.42	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,035.59	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	1,585.80	
			For Automatic Roll Filter, Add	2,071.18	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,100.42	
			For 2 Coils, Independent Circuits, Add	517.96	
			For Direct Expansion Cooling Coil, Copper Fins, Add	1,747.59	
23 73 13 00-0006	EA		1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 5,120.08	976.26	
			For Economizer, Panel, Controls And Damper(s), Add	1,615.14	
			For Medium Capacity Filter Box And Throwaway Filters, Add	842.92	
			For Hot Water Heating Coil, Copper Fins, Add	1,443.77	
			For Chilled Water Cooling Coil, Copper Fins, Add	2,189.17	
			For Electric Heating Coil, Add	1,616.47	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,630.12	
			For Manual Roll Filter, Add	2,189.17	
			For Variable Air Volume, Add	521.78	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,071.06	
			For Steam Heating Coil, Aluminum Fins, Add	1,443.77	
			For Flat Filter Box And Throwaway Filters, Add	442.36	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,187.76	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	1,816.47	
			For Automatic Roll Filter, Add	2,375.52	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,257.41	
			For 2 Coils, Independent Circuits, Add	586.55	
			For Direct Expansion Cooling Coil, Copper Fins, Add	2,002.82	
23 73 13 00-0007	EA		1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 5,803.64	1,049.17	
			For Economizer, Panel, Controls And Damper(s), Add	1,689.14	
			For Medium Capacity Filter Box And Throwaway Filters, Add	965.89	
			For Hot Water Heating Coil, Copper Fins, Add	1,656.58	
			For Chilled Water Cooling Coil, Copper Fins, Add	2,517.56	
			For Electric Heating Coil, Add	2,087.07	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,871.83	
			For Manual Roll Filter, Add	2,517.56	
			For Variable Air Volume, Add	602.68	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,226.09	
			For Steam Heating Coil, Aluminum Fins, Add	1,656.58	
			For Flat Filter Box And Throwaway Filters, Add	505.43	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,366.40	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	2,087.07	
			For Automatic Roll Filter, Add	2,732.80	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,441.34	
			For 2 Coils, Independent Circuits, Add	666.46	
			For Direct Expansion Cooling Coil, Copper Fins, Add	2,302.31	
23 73 13 00-0008	EA		1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 6,346.16	1,127.92	
			For Economizer, Panel, Controls And Damper(s), Add	1,765.54	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,060.20	
			For Hot Water Heating Coil, Copper Fins, Add	1,819.18	
			For Chilled Water Cooling Coil, Copper Fins, Add	2,766.82	
			For Electric Heating Coil, Add	2,293.00	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,056.09	
			For Manual Roll Filter, Add	2,766.82	
			For Variable Air Volume, Add	663.35	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,345.35	
			For Steam Heating Coil, Aluminum Fins, Add	1,819.18	
			For Flat Filter Box And Throwaway Filters, Add	554.22	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,501.87	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	2,293.00	
			For Automatic Roll Filter, Add	3,003.74	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,582.26	
			For 2 Coils, Independent Circuits, Add	729.38	
			For Direct Expansion Cooling Coil, Copper Fins, Add	2,529.91	
23 73 13 00-0009	EA		1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 6,936.66	1,215.56	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,161.63	
			For Hot Water Heating Coil, Copper Fins, Add	1,993.79	
			For Chilled Water Cooling Coil, Copper Fins, Add	3,033.90	
			For Electric Heating Coil, Add	2,513.84	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,253.82	
			For Manual Roll Filter, Add	3,033.90	
			For Variable Air Volume, Add	728.07	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,473.74	
			For Steam Heating Coil, Aluminum Fins, Add	1,993.79	
			For Economizer, Panel, Controls And Damper(s), Add	1,704.88	
			For Flat Filter Box And Throwaway Filters, Add	606.86	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,646.96	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	2,513.84	
			For Automatic Roll Filter, Add	3,293.92	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,733.77	
			For 2 Coils, Independent Circuits, Add	797.68	
			For Direct Expansion Cooling Coil, Copper Fins, Add	2,773.87	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0010	EA		2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	7,582.39	1,303.21
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,274.44	
			For Hot Water Heating Coil, Copper Fins, Add	2,188.38	
			For Chilled Water Cooling Coil, Copper Fins, Add	3,332.49	
			For Electric Heating Coil, Add	2,760.44	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,474.41	
			For Manual Roll Filter, Add	3,332.49	
			For Variable Air Volume, Add	800.88	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,616.32	
			For Steam Heating Coil, Aluminum Fins, Add	2,188.38	
			For Economizer, Panel, Controls And Damper(s), Add	1,774.01	
			For Flat Filter Box And Throwaway Filters, Add	665.15	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,809.26	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	2,760.44	
			For Automatic Roll Filter, Add	3,618.52	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,902.35	
			For 2 Coils, Independent Circuits, Add	872.65	
			For Direct Expansion Cooling Coil, Copper Fins, Add	3,046.46	
23 73 13 00-0011	EA		2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	8,183.97	1,400.81
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,376.65	
			For Hot Water Heating Coil, Copper Fins, Add	2,364.10	
			For Chilled Water Cooling Coil, Copper Fins, Add	3,600.67	
			For Electric Heating Coil, Add	2,982.39	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,673.25	
			For Manual Roll Filter, Add	3,600.67	
			For Variable Air Volume, Add	865.60	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,745.82	
			For Steam Heating Coil, Aluminum Fins, Add	2,364.10	
			For Economizer, Panel, Controls And Damper(s), Add	1,850.63	
			For Flat Filter Box And Throwaway Filters, Add	718.34	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,954.91	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	2,982.39	
			For Automatic Roll Filter, Add	3,909.81	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,054.96	
			For 2 Coils, Independent Circuits, Add	942.05	
			For Direct Expansion Cooling Coil, Copper Fins, Add	3,291.53	
23 73 13 00-0012	EA		2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	8,827.00	1,507.28
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,485.51	
			For Hot Water Heating Coil, Copper Fins, Add	2,551.20	
			For Chilled Water Cooling Coil, Copper Fins, Add	3,886.00	
			For Electric Heating Coil, Add	3,218.60	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,884.90	
			For Manual Roll Filter, Add	3,886.00	
			For Variable Air Volume, Add	934.36	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,883.80	
			For Steam Heating Coil, Aluminum Fins, Add	2,551.20	
			For Economizer, Panel, Controls And Damper(s), Add	1,934.16	
			For Flat Filter Box And Throwaway Filters, Add	775.05	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,109.85	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	3,218.60	
			For Automatic Roll Filter, Add	4,219.70	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,217.50	
			For 2 Coils, Independent Circuits, Add	1,016.18	
			For Direct Expansion Cooling Coil, Copper Fins, Add	3,552.30	
23 73 13 00-0013	EA		3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	10,264.23	1,744.71
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,728.84	
			For Hot Water Heating Coil, Copper Fins, Add	2,969.39	
			For Chilled Water Cooling Coil, Copper Fins, Add	4,523.76	
			For Electric Heating Coil, Add	3,746.58	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,357.98	
			For Manual Roll Filter, Add	4,523.76	
			For Variable Air Volume, Add	1,088.06	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,192.20	
			For Steam Heating Coil, Aluminum Fins, Add	2,969.39	
			For Economizer, Panel, Controls And Damper(s), Add	2,120.80	
			For Flat Filter Box And Throwaway Filters, Add	901.81	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,456.18	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	3,746.58	
			For Automatic Roll Filter, Add	4,912.36	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,580.80	
			For 2 Coils, Independent Circuits, Add	1,181.86	
			For Direct Expansion Cooling Coil, Copper Fins, Add	4,135.17	
23 73 13 00-0014	EA		3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	10,768.93	1,874.95
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,805.48	
			For Hot Water Heating Coil, Copper Fins, Add	3,099.31	
			For Chilled Water Cooling Coil, Copper Fins, Add	4,717.25	
			For Electric Heating Coil, Add	3,908.28	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,503.80	
			For Manual Roll Filter, Add	4,717.25	
			For Variable Air Volume, Add	1,132.56	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,290.35	
			For Steam Heating Coil, Aluminum Fins, Add	3,099.31	
			For Economizer, Panel, Controls And Damper(s), Add	2,223.59	
			For Flat Filter Box And Throwaway Filters, Add	942.93	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,560.87	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	3,908.28	
			For Automatic Roll Filter, Add	5,121.73	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,694.83	
			For 2 Coils, Independent Circuits, Add	1,238.69	
			For Direct Expansion Cooling Coil, Copper Fins, Add	4,312.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0015	EA		3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 11,286.12	2,015.02	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,883.00	
			For Hot Water Heating Coil, Copper Fins, Add	3,230.48	
			For Chilled Water Cooling Coil, Copper Fins, Add	4,911.98	
			For Electric Heating Coil, Add	4,071.23	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,650.86	
			For Manual Roll Filter, Add	4,911.98	
			For Variable Air Volume, Add	1,177.05	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,389.74	
			For Steam Heating Coil, Aluminum Fins, Add	3,230.48	
			For Economizer, Panel, Controls And Damper(s), Add	2,333.25	
			For Flat Filter Box And Throwaway Filters, Add	984.68	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,666.18	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	4,071.23	
			For Automatic Roll Filter, Add	5,332.36	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,810.11	
			For 2 Coils, Independent Circuits, Add	1,296.76	
			For Direct Expansion Cooling Coil, Copper Fins, Add	4,491.61	
23 73 13 00-0016	EA		4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 12,425.22	2,326.28	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,052.88	
			For Hot Water Heating Coil, Copper Fins, Add	3,517.74	
			For Chilled Water Cooling Coil, Copper Fins, Add	5,337.92	
			For Electric Heating Coil, Add	4,427.83	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,972.79	
			For Manual Roll Filter, Add	5,337.92	
			For Variable Air Volume, Add	1,274.12	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,607.66	
			For Steam Heating Coil, Aluminum Fins, Add	3,517.74	
			For Flat Filter Box And Throwaway Filters, Add	1,076.31	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,896.48	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	4,427.83	
			For Automatic Roll Filter, Add	5,792.97	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,062.70	
			For 2 Coils, Independent Circuits, Add	1,424.54	
			For Direct Expansion Cooling Coil, Copper Fins, Add	4,882.88	
			For Economizer, Panel, Controls And Damper(s), Add	2,269.73	
23 73 13 00-0017	EA		4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 12,425.22	2,326.28	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,052.88	
			For Hot Water Heating Coil, Copper Fins, Add	3,517.74	
			For Chilled Water Cooling Coil, Copper Fins, Add	5,337.92	
			For Electric Heating Coil, Add	4,427.83	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,972.79	
			For Manual Roll Filter, Add	5,337.92	
			For Variable Air Volume, Add	1,274.12	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,607.66	
			For Steam Heating Coil, Aluminum Fins, Add	3,517.74	
			For Flat Filter Box And Throwaway Filters, Add	1,076.31	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,896.48	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	4,427.83	
			For Automatic Roll Filter, Add	5,792.97	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,062.70	
			For 2 Coils, Independent Circuits, Add	1,424.54	
			For Direct Expansion Cooling Coil, Copper Fins, Add	4,882.88	
			For Economizer, Panel, Controls And Damper(s), Add	2,269.73	
23 73 13 00-0018	EA		5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 13,669.91	2,671.95	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,237.66	
			For Hot Water Heating Coil, Copper Fins, Add	3,830.01	
			For Chilled Water Cooling Coil, Copper Fins, Add	5,800.43	
			For Electric Heating Coil, Add	4,815.22	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,322.62	
			For Manual Roll Filter, Add	5,800.43	
			For Variable Air Volume, Add	1,379.29	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,844.80	
			For Steam Heating Coil, Aluminum Fins, Add	3,830.01	
			For Flat Filter Box And Throwaway Filters, Add	1,176.10	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,146.52	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	4,815.22	
			For Automatic Roll Filter, Add	6,293.03	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,337.41	
			For 2 Coils, Independent Circuits, Add	1,564.03	
			For Direct Expansion Cooling Coil, Copper Fins, Add	5,307.82	
			For Economizer, Panel, Controls And Damper(s), Add	2,467.13	
23 73 13 00-0019	EA		5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 14,398.73	2,898.85	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,341.26	
			For Hot Water Heating Coil, Copper Fins, Add	4,004.01	
			For Chilled Water Cooling Coil, Copper Fins, Add	6,055.33	
			For Electric Heating Coil, Add	5,029.67	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,516.84	
			For Manual Roll Filter, Add	6,055.33	
			For Variable Air Volume, Add	1,435.92	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,978.36	
			For Steam Heating Coil, Aluminum Fins, Add	4,004.01	
			For Flat Filter Box And Throwaway Filters, Add	1,232.76	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,284.08	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	5,029.67	
			For Automatic Roll Filter, Add	6,568.15	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,491.19	
			For 2 Coils, Independent Circuits, Add	1,645.00	
			For Direct Expansion Cooling Coil, Copper Fins, Add	5,542.50	
			For Economizer, Panel, Controls And Damper(s), Add	2,596.87	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0020	EA		6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Medium Capacity Filter Box And Throwaway Filters, Add For Hot Water Heating Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Electric Heating Coil, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Variable Air Volume, Add For Hot Water Heating Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Automatic Roll Filter, Add For Combination Filter Mixing Box And Throwaway Filters, Add For 2 Coils, Independent Circuits, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Economizer, Panel, Controls And Damper(s), Add	15,110.34 2,443.66 4,176.30 6,308.51 5,242.40 4,709.35 6,308.51 1,492.55 3,110.19 4,176.30 1,288.57 3,420.78 5,242.40 6,841.56 3,643.24 1,724.26 5,775.45 2,719.72	3,114.27
23 73 13 00-0021	EA		6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Medium Capacity Filter Box And Throwaway Filters, Add For Hot Water Heating Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Electric Heating Coil, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Variable Air Volume, Add For Hot Water Heating Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Automatic Roll Filter, Add For Combination Filter Mixing Box And Throwaway Filters, Add For 2 Coils, Independent Circuits, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Economizer, Panel, Controls And Damper(s), Add	15,827.13 2,546.42 4,349.10 6,562.20 5,455.65 4,902.37 6,562.20 1,549.17 3,242.54 4,349.10 1,344.63 3,557.74 5,455.65 7,115.48 3,795.82 1,804.02 6,008.93 2,844.64	3,333.79
23 73 13 00-0022	EA		7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Medium Capacity Filter Box And Throwaway Filters, Add For Hot Water Heating Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Electric Heating Coil, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Variable Air Volume, Add For Hot Water Heating Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Automatic Roll Filter, Add For Combination Filter Mixing Box And Throwaway Filters, Add For 2 Coils, Independent Circuits, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Economizer, Panel, Controls And Damper(s), Add	16,654.47 2,664.43 4,547.40 6,852.96 5,700.18 5,123.79 6,852.96 1,613.89 3,394.62 4,547.40 1,409.11 3,714.67 5,700.18 7,429.35 3,971.01 1,896.00 6,276.57 2,990.67	3,588.54
23 73 13 00-0023	EA		7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Medium Capacity Filter Box And Throwaway Filters, Add For Hot Water Heating Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Electric Heating Coil, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Economizer, Panel, Controls And Damper(s), Add For Manual Roll Filter, Add For Variable Air Volume, Add For Hot Water Heating Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Automatic Roll Filter, Add For Combination Filter Mixing Box And Throwaway Filters, Add For 2 Coils, Independent Circuits, Add For Direct Expansion Cooling Coil, Copper Fins, Add	17,496.71 2,783.48 4,747.19 7,145.20 5,946.20 5,346.69 2,831.99 7,145.20 1,678.61 3,548.18 4,747.19 1,474.34 3,872.35 5,946.20 7,744.71 4,147.69 1,989.47 6,545.70	3,844.92
23 73 13 00-0024	EA		8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Medium Capacity Filter Box And Throwaway Filters, Add For Hot Water Heating Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Electric Heating Coil, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Economizer, Panel, Controls And Damper(s), Add For Manual Roll Filter, Add For Variable Air Volume, Add For Hot Water Heating Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Automatic Roll Filter, Add For Combination Filter Mixing Box And Throwaway Filters, Add For 2 Coils, Independent Circuits, Add For Direct Expansion Cooling Coil, Copper Fins, Add	18,369.72 2,904.68 4,950.05 7,440.52 6,195.29 5,572.67 2,955.22 7,440.52 1,743.33 3,704.82 4,950.05 1,541.10 4,031.57 6,195.29 8,063.14 4,327.44 2,086.02 6,817.90	4,140.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0025	EA		9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Medium Capacity Filter Box And Throwaway Filters, Add For Hot Water Heating Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Electric Heating Coil, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Economizer, Panel, Controls And Damper(s), Add For Manual Roll Filter, Add For Variable Air Volume, Add For Hot Water Heating Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Automatic Roll Filter, Add For Combination Filter Mixing Box And Throwaway Filters, Add For 2 Coils, Independent Circuits, Add For Direct Expansion Cooling Coil, Copper Fins, Add	19,366.71 3,042.08 5,179.77 7,774.24 6,477.00 5,828.39 3,098.30 7,774.24 1,816.13 3,882.53 5,179.77 1,616.95 4,211.43 6,477.00 8,422.86 4,531.15 2,196.12 7,125.62	4,485.47
23 73 13 00-0026	EA		10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Medium Capacity Filter Box And Throwaway Filters, Add For Hot Water Heating Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Electric Heating Coil, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Economizer, Panel, Controls And Damper(s), Add For Manual Roll Filter, Add For Variable Air Volume, Add For Hot Water Heating Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Automatic Roll Filter, Add For Combination Filter Mixing Box And Throwaway Filters, Add For 2 Coils, Independent Circuits, Add For Direct Expansion Cooling Coil, Copper Fins, Add	20,335.48 3,177.50 5,406.66 8,105.14 6,755.90 6,081.28 3,232.92 8,105.14 1,888.94 4,057.41 5,406.66 1,691.40 4,389.88 6,755.90 8,779.76 4,732.03 2,303.40 7,430.52	4,789.01
23 73 13 00-0027	EA		11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Medium Capacity Filter Box And Throwaway Filters, Add For Hot Water Heating Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Electric Heating Coil, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Economizer, Panel, Controls And Damper(s), Add For Manual Roll Filter, Add For Variable Air Volume, Add For Hot Water Heating Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Automatic Roll Filter, Add For Combination Filter Mixing Box And Throwaway Filters, Add For 2 Coils, Independent Circuits, Add For Direct Expansion Cooling Coil, Copper Fins, Add	20,354.23 3,212.62 5,473.54 8,224.03 6,848.78 6,161.16 3,160.53 8,224.03 1,925.34 4,098.29 5,473.54 1,705.33 4,455.83 6,848.78 8,911.65 4,785.92 2,310.47 7,536.41	4,637.00
23 73 13 00-0028	EA		12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Medium Capacity Filter Box And Throwaway Filters, Add For Hot Water Heating Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Electric Heating Coil, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Economizer, Panel, Controls And Damper(s), Add For Manual Roll Filter, Add For Variable Air Volume, Add For Hot Water Heating Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Automatic Roll Filter, Add For Combination Filter Mixing Box And Throwaway Filters, Add For 2 Coils, Independent Circuits, Add For Direct Expansion Cooling Coil, Copper Fins, Add	21,360.45 3,316.86 5,639.17 8,441.67 7,040.42 6,339.79 3,384.39 8,441.67 1,961.75 4,237.92 5,639.17 1,768.65 4,571.15 7,040.42 9,142.29 4,938.54 2,416.29 7,741.04	5,144.62
23 73 13 00-0029	EA		13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Medium Capacity Filter Box And Throwaway Filters, Add For Hot Water Heating Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Electric Heating Coil, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Variable Air Volume, Add For Hot Water Heating Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Automatic Roll Filter, Add For Economizer, Panel, Controls And Damper(s), Add For Combination Filter Mixing Box And Throwaway Filters, Add For 2 Coils, Independent Circuits, Add For Direct Expansion Cooling Coil, Copper Fins, Add	22,461.16 3,502.83 5,958.70 8,928.77 7,443.74 6,701.22 8,928.77 2,079.05 4,473.67 5,958.70 1,865.58 4,835.65 7,443.74 9,671.29 2,922.16 5,216.19 2,543.12 8,186.26	5,351.27

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0030	EA		15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Medium Capacity Filter Box And Throwaway Filters, Add For Hot Water Heating Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Electric Heating Coil, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Variable Air Volume, Add For Hot Water Heating Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Automatic Roll Filter, Add For Economizer, Panel, Controls And Damper(s), Add For Combination Filter Mixing Box And Throwaway Filters, Add For 2 Coils, Independent Circuits, Add For Direct Expansion Cooling Coil, Copper Fins, Add	23,634.98 3,693.92 6,285.55 9,423.19 7,854.37 7,069.96 9,423.19 2,196.35 4,716.73 6,285.55 1,966.16 5,103.80 7,854.37 10,207.60 2,989.35 5,501.14 2,677.26 8,638.78	5,558.50
23 73 13 00-0031	EA		16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Medium Capacity Filter Box And Throwaway Filters, Add For Hot Water Heating Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Electric Heating Coil, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Variable Air Volume, Add For Hot Water Heating Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Automatic Roll Filter, Add For Economizer, Panel, Controls And Damper(s), Add For Combination Filter Mixing Box And Throwaway Filters, Add For 2 Coils, Independent Circuits, Add For Direct Expansion Cooling Coil, Copper Fins, Add	24,856.50 3,903.37 6,646.06 9,974.38 8,310.22 7,478.14 9,974.38 2,329.83 4,981.89 6,646.06 2,074.91 5,403.23 8,310.22 10,806.47 3,042.97 5,813.98 2,818.48 9,142.30	5,772.30
23 73 13 00-0032	EA		17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Medium Capacity Filter Box And Throwaway Filters, Add For Hot Water Heating Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Electric Heating Coil, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Variable Air Volume, Add For Hot Water Heating Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Automatic Roll Filter, Add For Economizer, Panel, Controls And Damper(s), Add For Combination Filter Mixing Box And Throwaway Filters, Add For 2 Coils, Independent Circuits, Add For Direct Expansion Cooling Coil, Copper Fins, Add	26,143.32 4,117.39 7,013.10 10,532.11 8,772.60 7,892.85 10,532.11 2,463.31 5,253.59 7,013.10 2,186.92 5,705.93 8,772.60 11,411.86 3,109.65 6,133.34 2,966.23 9,652.36	5,986.31
23 73 13 00-0033	EA		20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Hot Water Heating Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Automatic Roll Filter, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Electric Heating Coil, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	29,051.26 8,868.38 9,862.25 10,856.13 5,428.07 7,874.50 7,874.50 2,782.85 7,874.50 4,892.88 11,253.68 6,880.63 2,446.44 11,850.01 4,617.66 5,290.43 3,340.41 3,302.68	6,417.75
23 73 13 00-0034	EA		22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Hot Water Heating Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Automatic Roll Filter, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Electric Heating Coil, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	32,163.27 9,890.32 11,002.65 12,114.98 6,057.49 8,777.98 8,777.98 2,782.85 8,777.98 4,892.88 12,559.91 7,665.65 2,720.50 13,227.31 5,143.49 5,885.92 3,470.41 3,661.26	6,916.59

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0035	EA		25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Hot Water Heating Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Automatic Roll Filter, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Electric Heating Coil, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	35,528.60 11,032.93 12,279.61 13,526.28 6,763.14 9,786.25 9,786.25 3,490.70 9,786.25 6,046.22 14,024.96 8,539.57 3,023.11 14,772.96 5,728.36 6,544.89 3,589.13 4,051.53	7,410.99
23 73 13 00-0036	EA		27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Hot Water Heating Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Automatic Roll Filter, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Electric Heating Coil, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	43,294.15 13,898.35 15,493.18 17,088.00 8,544.00 12,303.53 12,303.53 4,465.50 12,303.53 7,519.06 17,725.93 10,708.71 3,759.53 18,682.82 7,177.13 8,156.99 3,729.60 4,967.34	7,981.44
23 73 13 00-0037	EA		30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Hot Water Heating Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Automatic Roll Filter, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Electric Heating Coil, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	48,217.89 15,638.85 17,441.69 19,244.54 9,622.27 13,836.01 13,836.01 5,047.96 13,836.01 8,427.48 19,965.67 12,033.16 4,213.74 21,047.38 8,062.65 9,148.61 3,589.15 5,542.93	8,519.02
23 73 13 00-0038	EA		32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Hot Water Heating Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Automatic Roll Filter, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Electric Heating Coil, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	52,767.14 17,177.22 19,160.63 21,144.05 10,572.03 15,193.80 15,193.80 5,553.57 15,193.80 9,243.55 21,937.42 13,210.38 4,621.77 23,127.47 8,850.58 10,036.91 3,729.82 6,070.08	9,173.73
23 73 13 00-0039	EA		35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Hot Water Heating Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Automatic Roll Filter, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Electric Heating Coil, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	57,858.25 18,873.78 21,055.10 23,236.43 11,618.21 16,692.45 16,692.45 6,107.71 16,692.45 10,148.48 24,108.96 14,511.13 5,074.24 25,417.75 9,721.52 11,021.01 3,899.76 6,658.36	8,408.60

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0040	EA		37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Hot Water Heating Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Automatic Roll Filter, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Electric Heating Coil, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	62,210.48	10,566.69
23 73 13 00-0041	EA		40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Hot Water Heating Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Automatic Roll Filter, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Electric Heating Coil, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	67,080.62	11,303.77
23 73 13 00-0042	EA		45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Hot Water Heating Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Automatic Roll Filter, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Electric Heating Coil, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	72,388.30	12,204.91
23 73 13 00-0043	EA		47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Hot Water Heating Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Automatic Roll Filter, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Electric Heating Coil, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	75,426.09	12,778.17
23 73 13 00-0044	EA		50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Hot Water Heating Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Automatic Roll Filter, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Electric Heating Coil, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	78,285.13	13,269.64



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0045	EA		55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Hot Water Heating Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Automatic Roll Filter, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Electric Heating Coil, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	84,363.56 27,669.58 30,875.11 34,080.65 17,040.32 24,464.04 24,464.04 8,975.50 24,464.04 14,847.43 35,362.86 21,258.50 7,423.71 37,286.18 14,239.84 16,129.64 4,361.60 9,718.57	14,170.67
23 73 13 00-0046	EA		60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Chilled Water Cooling Coil, Aluminum Fins, Add For Economizer, Panel, Controls And Damper(s), Add For Direct Expansion Cooling Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Hot Water Heating Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Automatic Roll Filter, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Electric Heating Coil, Add For 2 Coils, Independent Circuits, Add	92,165.46 30,365.29 4,066.97 33,890.08 37,414.87 18,707.43 26,840.50 26,840.50 9,869.41 26,840.50 16,266.13 38,824.78 23,315.71 8,133.06 40,939.66 15,616.04 17,676.04 10,626.46	15,153.61
23 73 13 00-0047	EA		65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Chilled Water Cooling Coil, Aluminum Fins, Add For Economizer, Panel, Controls And Damper(s), Add For Direct Expansion Cooling Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Hot Water Heating Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Automatic Roll Filter, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Electric Heating Coil, Add For 2 Coils, Independent Circuits, Add	100,948.63 33,358.48 4,240.33 37,235.75 41,113.02 20,556.51 29,481.21 29,481.21 10,856.35 29,481.21 17,849.40 42,663.92 25,603.94 8,924.70 44,990.28 17,147.30 19,400.31 11,645.77	16,382.27
23 73 13 00-0048	EA		70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Chilled Water Cooling Coil, Aluminum Fins, Add For Economizer, Panel, Controls And Damper(s), Add For Direct Expansion Cooling Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Hot Water Heating Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Automatic Roll Filter, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Electric Heating Coil, Add For 2 Coils, Independent Circuits, Add	110,755.53 36,670.73 4,443.83 40,936.59 45,202.46 22,601.23 32,404.87 32,404.87 11,944.42 32,404.87 19,607.28 46,908.80 28,139.01 9,803.64 49,468.32 18,844.13 21,313.62 12,781.90	17,774.77
23 73 13 00-0049			<b>Multi-Zone Units</b> <small>(23 73 13)</small> Note: Horizontal/vertical blow-thru fan, motor and cabinet.		
23 73 13 00-0050	EA		1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan..... For Combination Filter Mixing Box And Throwaway Filters, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Chilled Water Cooling Coil, Copper Fins, Add For Economizer, Panel, Controls And Damper(s), Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Electric Heating Coil, Add For 2 Coils, Independent Circuits, Add For Flat Filter Box And Throwaway Filters, Add	6,728.24 1,366.23 2,753.03 1,071.93 2,753.03 2,113.89 2,753.03 672.82 2,290.76 2,290.76 2,753.03 765.28 765.28 567.55	1,474.17

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0051	EA		1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	8,387.93	1,846.86
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,701.21	
			For Direct Expansion Cooling Coil, Copper Fins, Add	3,426.05	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,334.58	
			For Chilled Water Cooling Coil, Copper Fins, Add	3,426.05	
			For Economizer, Panel, Controls And Damper(s), Add	2,486.94	
			For Automatic Roll Filter, Add	3,426.05	
			For Hot Water Heating Coil, Aluminum Fins, Add	838.79	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,851.10	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	2,851.10	
			For Manual Roll Filter, Add	3,426.05	
			For Electric Heating Coil, Add	953.78	
			For 2 Coils, Independent Circuits, Add	953.78	
			For Flat Filter Box And Throwaway Filters, Add	706.87	
23 73 13 00-0052	EA		1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	10,261.89	1,965.64
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,144.30	
			For Direct Expansion Cooling Coil, Copper Fins, Add	4,380.52	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,687.36	
			For Chilled Water Cooling Coil, Copper Fins, Add	4,380.52	
			For Economizer, Panel, Controls And Damper(s), Add	2,605.48	
			For Automatic Roll Filter, Add	4,380.52	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,026.19	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,635.11	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	3,635.11	
			For Manual Roll Filter, Add	4,380.52	
			For Electric Heating Coil, Add	1,175.27	
			For 2 Coils, Independent Circuits, Add	1,175.27	
			For Flat Filter Box And Throwaway Filters, Add	885.80	
23 73 13 00-0053	EA		2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	10,691.40	2,104.88
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,221.92	
			For Direct Expansion Cooling Coil, Copper Fins, Add	4,527.48	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,747.47	
			For Chilled Water Cooling Coil, Copper Fins, Add	4,527.48	
			For Economizer, Panel, Controls And Damper(s), Add	2,744.34	
			For Automatic Roll Filter, Add	4,527.48	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,069.14	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,758.96	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	3,758.96	
			For Manual Roll Filter, Add	4,527.48	
			For Electric Heating Coil, Add	1,222.84	
			For 2 Coils, Independent Circuits, Add	1,222.84	
			For Flat Filter Box And Throwaway Filters, Add	918.83	
23 73 13 00-0054	EA		2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	12,440.04	2,256.43
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,626.47	
			For Direct Expansion Cooling Coil, Copper Fins, Add	5,391.41	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,068.94	
			For Chilled Water Cooling Coil, Copper Fins, Add	5,391.41	
			For Economizer, Panel, Controls And Damper(s), Add	2,896.51	
			For Automatic Roll Filter, Add	5,391.41	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,244.00	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,469.77	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	4,469.77	
			For Manual Roll Filter, Add	5,391.41	
			For Electric Heating Coil, Add	1,428.33	
			For 2 Coils, Independent Circuits, Add	1,428.33	
			For Flat Filter Box And Throwaway Filters, Add	1,082.83	
23 73 13 00-0055	EA		3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	13,130.53	2,416.39
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,764.86	
			For Direct Expansion Cooling Coil, Copper Fins, Add	5,668.48	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,177.37	
			For Chilled Water Cooling Coil, Copper Fins, Add	5,668.48	
			For Economizer, Panel, Controls And Damper(s), Add	3,056.26	
			For Automatic Roll Filter, Add	5,668.48	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,313.05	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,700.61	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	4,700.61	
			For Manual Roll Filter, Add	5,668.48	
			For Electric Heating Coil, Add	1,506.63	
			For 2 Coils, Independent Circuits, Add	1,506.63	
			For Flat Filter Box And Throwaway Filters, Add	1,140.46	
23 73 13 00-0056	EA		3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	13,855.44	2,580.10
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,911.03	
			For Direct Expansion Cooling Coil, Copper Fins, Add	5,961.99	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,291.97	
			For Chilled Water Cooling Coil, Copper Fins, Add	5,961.99	
			For Economizer, Panel, Controls And Damper(s), Add	3,219.89	
			For Automatic Roll Filter, Add	5,961.99	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,385.54	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,945.01	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	4,945.01	
			For Manual Roll Filter, Add	5,961.99	
			For Electric Heating Coil, Add	1,588.94	
			For 2 Coils, Independent Circuits, Add	1,588.94	
			For Flat Filter Box And Throwaway Filters, Add	1,201.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0057	EA		4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	15,416.59	2,768.61
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,262.16	
			For Direct Expansion Cooling Coil, Copper Fins, Add	6,703.16	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,570.26	
			For Chilled Water Cooling Coil, Copper Fins, Add	6,703.16	
			For Automatic Roll Filter, Add	6,703.16	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,541.66	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,556.16	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	5,556.16	
			For Manual Roll Filter, Add	6,703.16	
			For Electric Heating Coil, Add	1,771.06	
			For 2 Coils, Independent Circuits, Add	1,771.06	
			For Flat Filter Box And Throwaway Filters, Add	1,344.33	
			For Economizer, Panel, Controls And Damper(s), Add	2,920.62	
23 73 13 00-0058	EA		4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	16,832.67	2,964.96
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,572.79	
			For Direct Expansion Cooling Coil, Copper Fins, Add	7,351.82	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,815.87	
			For Chilled Water Cooling Coil, Copper Fins, Add	7,351.82	
			For Automatic Roll Filter, Add	7,351.82	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,683.27	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,092.14	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	6,092.14	
			For Manual Roll Filter, Add	7,351.82	
			For Electric Heating Coil, Add	1,935.20	
			For 2 Coils, Independent Circuits, Add	1,935.20	
			For Flat Filter Box And Throwaway Filters, Add	1,471.47	
			For Economizer, Panel, Controls And Damper(s), Add	3,079.73	
23 73 13 00-0059	EA		5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	17,803.84	3,166.70
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,773.91	
			For Direct Expansion Cooling Coil, Copper Fins, Add	7,760.97	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,973.99	
			For Chilled Water Cooling Coil, Copper Fins, Add	7,760.97	
			For Automatic Roll Filter, Add	7,760.97	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,780.38	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,431.95	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	6,431.95	
			For Manual Roll Filter, Add	7,760.97	
			For Electric Heating Coil, Add	2,046.19	
			For 2 Coils, Independent Circuits, Add	2,046.19	
			For Flat Filter Box And Throwaway Filters, Add	1,554.70	
			For Economizer, Panel, Controls And Damper(s), Add	3,232.51	
23 73 13 00-0060	EA		5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	19,599.05	3,383.17
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,174.46	
			For Direct Expansion Cooling Coil, Copper Fins, Add	8,603.56	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,291.21	
			For Chilled Water Cooling Coil, Copper Fins, Add	8,603.56	
			For Automatic Roll Filter, Add	8,603.56	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,959.91	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,127.19	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	7,127.19	
			For Manual Roll Filter, Add	8,603.56	
			For Electric Heating Coil, Add	2,255.18	
			For 2 Coils, Independent Circuits, Add	2,255.18	
			For Flat Filter Box And Throwaway Filters, Add	1,718.14	
			For Economizer, Panel, Controls And Damper(s), Add	3,409.46	
23 73 13 00-0061	EA		6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	20,860.20	3,620.72
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,439.25	
			For Direct Expansion Cooling Coil, Copper Fins, Add	9,145.71	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,499.68	
			For Chilled Water Cooling Coil, Copper Fins, Add	9,145.71	
			For Automatic Roll Filter, Add	9,145.71	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,086.02	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,576.89	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	7,576.89	
			For Manual Roll Filter, Add	9,145.71	
			For Electric Heating Coil, Add	2,399.78	
			For 2 Coils, Independent Circuits, Add	2,399.78	
			For Flat Filter Box And Throwaway Filters, Add	1,627.42	
			For Economizer, Panel, Controls And Damper(s), Add	3,594.59	
23 73 13 00-0062	EA		6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	22,860.65	3,931.74
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,873.32	
			For Direct Expansion Cooling Coil, Copper Fins, Add	10,047.83	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,842.53	
			For Chilled Water Cooling Coil, Copper Fins, Add	10,047.83	
			For Automatic Roll Filter, Add	10,047.83	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,286.07	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,322.99	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	8,322.99	
			For Manual Roll Filter, Add	10,047.83	
			For Electric Heating Coil, Add	2,631.03	
			For 2 Coils, Independent Circuits, Add	2,631.03	
			For Flat Filter Box And Throwaway Filters, Add	2,005.45	
			For Economizer, Panel, Controls And Damper(s), Add	3,836.76	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0063	EA		7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	24,566.94	4,234.94
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,234.63	
			For Direct Expansion Cooling Coil, Copper Fins, Add	10,790.51	
			For Medium Capacity Filter Box And Throwaway Filters, Add	4,127.23	
			For Chilled Water Cooling Coil, Copper Fins, Add	10,790.51	
			For Automatic Roll Filter, Add	10,790.51	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,456.69	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,938.55	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	8,938.55	
			For Manual Roll Filter, Add	10,790.51	
			For Electric Heating Coil, Add	2,827.09	
			For 2 Coils, Independent Circuits, Add	2,827.09	
			For Flat Filter Box And Throwaway Filters, Add	2,154.33	
			For Economizer, Panel, Controls And Damper(s), Add	4,076.04	
23 73 13 00-0064	EA		7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	25,827.77	4,578.84
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,477.73	
			For Direct Expansion Cooling Coil, Copper Fins, Add	11,267.63	
			For Medium Capacity Filter Box And Throwaway Filters, Add	4,316.90	
			For Chilled Water Cooling Coil, Copper Fins, Add	11,267.63	
			For Automatic Roll Filter, Add	11,267.63	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,582.78	
			For Economizer, Panel, Controls And Damper(s), Add	3,551.24	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,337.66	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	9,337.66	
			For Manual Roll Filter, Add	11,267.63	
			For Electric Heating Coil, Add	2,968.77	
			For 2 Coils, Independent Circuits, Add	2,968.77	
			For Flat Filter Box And Throwaway Filters, Add	2,256.37	
23 73 13 00-0065	EA		8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	28,613.03	4,939.02
			For Combination Filter Mixing Box And Throwaway Filters, Add	6,094.29	
			For Direct Expansion Cooling Coil, Copper Fins, Add	12,560.26	
			For Medium Capacity Filter Box And Throwaway Filters, Add	4,804.83	
			For Chilled Water Cooling Coil, Copper Fins, Add	12,560.26	
			For Automatic Roll Filter, Add	12,560.26	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,861.30	
			For Economizer, Panel, Controls And Damper(s), Add	3,763.92	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,404.93	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	10,404.93	
			For Manual Roll Filter, Add	12,560.26	
			For Electric Heating Coil, Add	3,292.37	
			For 2 Coils, Independent Circuits, Add	3,292.37	
			For Flat Filter Box And Throwaway Filters, Add	2,508.31	
23 73 13 00-0066	EA		8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	30,175.25	5,324.00
			For Combination Filter Mixing Box And Throwaway Filters, Add	6,402.19	
			For Direct Expansion Cooling Coil, Copper Fins, Add	13,171.52	
			For Medium Capacity Filter Box And Throwaway Filters, Add	5,045.64	
			For Chilled Water Cooling Coil, Copper Fins, Add	13,171.52	
			For Automatic Roll Filter, Add	13,171.52	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,017.53	
			For Economizer, Panel, Controls And Damper(s), Add	3,984.32	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,915.08	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	10,915.08	
			For Manual Roll Filter, Add	13,171.52	
			For Electric Heating Coil, Add	3,468.81	
			For 2 Coils, Independent Circuits, Add	3,468.81	
			For Flat Filter Box And Throwaway Filters, Add	2,636.98	
23 73 13 00-0067	EA		9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	31,902.88	5,766.56
			For Combination Filter Mixing Box And Throwaway Filters, Add	6,743.97	
			For Direct Expansion Cooling Coil, Copper Fins, Add	13,851.33	
			For Medium Capacity Filter Box And Throwaway Filters, Add	5,313.06	
			For Chilled Water Cooling Coil, Copper Fins, Add	13,851.33	
			For Automatic Roll Filter, Add	13,851.33	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,190.29	
			For Economizer, Panel, Controls And Damper(s), Add	4,224.67	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,482.21	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	11,482.21	
			For Manual Roll Filter, Add	13,851.33	
			For Electric Heating Coil, Add	3,664.11	
			For 2 Coils, Independent Circuits, Add	3,664.11	
			For Flat Filter Box And Throwaway Filters, Add	2,779.70	
23 73 13 00-0068	EA		10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	33,774.35	6,224.92
			For Combination Filter Mixing Box And Throwaway Filters, Add	7,108.80	
			For Direct Expansion Cooling Coil, Copper Fins, Add	14,571.53	
			For Medium Capacity Filter Box And Throwaway Filters, Add	5,598.05	
			For Chilled Water Cooling Coil, Copper Fins, Add	14,571.53	
			For Automatic Roll Filter, Add	14,571.53	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,377.44	
			For Economizer, Panel, Controls And Damper(s), Add	3,849.57	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,083.95	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	12,083.95	
			For Manual Roll Filter, Add	14,571.53	
			For Electric Heating Coil, Add	3,874.95	
			For 2 Coils, Independent Circuits, Add	3,874.95	
			For Flat Filter Box And Throwaway Filters, Add	2,932.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0069	EA		11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	34,751.31	6,462.81
			For Combination Filter Mixing Box And Throwaway Filters, Add	7,299.67	
			For Direct Expansion Cooling Coil, Copper Fins, Add	14,948.76	
			For Medium Capacity Filter Box And Throwaway Filters, Add	5,747.20	
			For Chilled Water Cooling Coil, Copper Fins, Add	14,948.76	
			For Automatic Roll Filter, Add	14,948.76	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,475.13	
			For Economizer, Panel, Controls And Damper(s), Add	3,956.31	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,399.06	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	12,399.06	
			For Manual Roll Filter, Add	14,948.76	
			For Electric Heating Coil, Add	3,985.07	
			For 2 Coils, Independent Circuits, Add	3,985.07	
			For Flat Filter Box And Throwaway Filters, Add	3,012.41	
23 73 13 00-0070	EA		12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	35,674.80	6,693.44
			For Combination Filter Mixing Box And Throwaway Filters, Add	7,485.20	
			For Direct Expansion Cooling Coil, Copper Fins, Add	15,320.63	
			For Medium Capacity Filter Box And Throwaway Filters, Add	5,892.59	
			For Chilled Water Cooling Coil, Copper Fins, Add	15,320.63	
			For Automatic Roll Filter, Add	15,320.63	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,567.48	
			For Economizer, Panel, Controls And Damper(s), Add	4,047.00	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,708.82	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	12,708.82	
			For Manual Roll Filter, Add	15,320.63	
			For Electric Heating Coil, Add	4,089.84	
			For 2 Coils, Independent Circuits, Add	4,089.84	
			For Flat Filter Box And Throwaway Filters, Add	3,089.65	
23 73 13 00-0071	EA		13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	40,135.94	6,962.46
			For Combination Filter Mixing Box And Throwaway Filters, Add	8,538.04	
			For Direct Expansion Cooling Coil, Copper Fins, Add	17,586.93	
			For Medium Capacity Filter Box And Throwaway Filters, Add	6,730.70	
			For Chilled Water Cooling Coil, Copper Fins, Add	17,586.93	
			For Automatic Roll Filter, Add	17,586.93	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,013.59	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	14,570.63	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	14,570.63	
			For Manual Roll Filter, Add	17,586.93	
			For Electric Heating Coil, Add	4,616.85	
			For 2 Coils, Independent Circuits, Add	4,616.85	
			For Economizer, Panel, Controls And Damper(s), Add	3,394.60	
			For Flat Filter Box And Throwaway Filters, Add	3,514.95	
23 73 13 00-0072	EA		15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	44,553.04	7,238.28
			For Combination Filter Mixing Box And Throwaway Filters, Add	9,586.47	
			For Direct Expansion Cooling Coil, Copper Fins, Add	19,848.81	
			For Medium Capacity Filter Box And Throwaway Filters, Add	7,565.73	
			For Chilled Water Cooling Coil, Copper Fins, Add	19,848.81	
			For Automatic Roll Filter, Add	19,848.81	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,455.30	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,428.03	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	16,428.03	
			For Manual Roll Filter, Add	19,848.81	
			For Electric Heating Coil, Add	5,139.46	
			For 2 Coils, Independent Circuits, Add	5,139.46	
			For Flat Filter Box And Throwaway Filters, Add	3,938.04	
			For Economizer, Panel, Controls And Damper(s), Add	3,545.42	
23 73 13 00-0073	EA		16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	50,956.22	7,511.27
			For Combination Filter Mixing Box And Throwaway Filters, Add	11,130.38	
			For Direct Expansion Cooling Coil, Copper Fins, Add	23,199.90	
			For Medium Capacity Filter Box And Throwaway Filters, Add	8,797.06	
			For Chilled Water Cooling Coil, Copper Fins, Add	23,199.90	
			For Automatic Roll Filter, Add	23,199.90	
			For Hot Water Heating Coil, Aluminum Fins, Add	5,095.62	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	19,176.72	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	19,176.72	
			For Manual Roll Filter, Add	23,199.90	
			For Electric Heating Coil, Add	5,900.26	
			For 2 Coils, Independent Circuits, Add	5,900.26	
			For Flat Filter Box And Throwaway Filters, Add	4,559.40	
			For Economizer, Panel, Controls And Damper(s), Add	3,611.79	
23 73 13 00-0074	EA		17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	57,364.78	7,781.58
			For Combination Filter Mixing Box And Throwaway Filters, Add	12,674.83	
			For Direct Expansion Cooling Coil, Copper Fins, Add	26,551.52	
			For Medium Capacity Filter Box And Throwaway Filters, Add	10,028.77	
			For Chilled Water Cooling Coil, Copper Fins, Add	26,551.52	
			For Automatic Roll Filter, Add	26,551.52	
			For Hot Water Heating Coil, Aluminum Fins, Add	5,736.48	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	21,925.96	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	21,925.96	
			For Manual Roll Filter, Add	26,551.52	
			For Electric Heating Coil, Add	6,661.59	
			For 2 Coils, Independent Circuits, Add	6,661.59	
			For Flat Filter Box And Throwaway Filters, Add	5,181.02	
			For Economizer, Panel, Controls And Damper(s), Add	3,679.10	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0075	EA		20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	64,314.88	8,436.87
			For Automatic Roll Filter, Add	27,337.54	
			For Steam Heating Coil, Aluminum Fins, Add	11,658.00	
			For Electric Heating Coil, Add	7,476.79	
			For Chilled Water Cooling Coil, Copper Fins, Add	27,337.54	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	22,111.03	
			For Flat Filter Box And Throwaway Filters, Add	5,829.00	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	22,111.03	
			For Hot Water Heating Coil, Aluminum Fins, Add	6,431.49	
			For Manual Roll Filter, Add	22,111.03	
			For Medium Capacity Filter Box And Throwaway Filters, Add	8,683.25	
			For Direct Expansion Cooling Coil, Copper Fins, Add	27,337.54	
			For 2 Coils, Independent Circuits, Add	7,476.79	
			For Combination Filter Mixing Box And Throwaway Filters, Add	14,271.26	
			For Economizer, Panel, Controls And Damper(s), Add	3,843.71	
23 73 13 00-0076	EA		22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	69,372.83	9,174.08
			For Automatic Roll Filter, Add	29,472.83	
			For Steam Heating Coil, Aluminum Fins, Add	12,571.17	
			For Electric Heating Coil, Add	8,064.06	
			For Economizer, Panel, Controls And Damper(s), Add	3,720.10	
			For Chilled Water Cooling Coil, Copper Fins, Add	29,472.83	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	23,838.94	
			For Flat Filter Box And Throwaway Filters, Add	6,285.58	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	23,838.94	
			For Hot Water Heating Coil, Aluminum Fins, Add	6,937.28	
			For Manual Roll Filter, Add	23,838.94	
			For Medium Capacity Filter Box And Throwaway Filters, Add	9,363.21	
			For Direct Expansion Cooling Coil, Copper Fins, Add	29,472.83	
			For 2 Coils, Independent Circuits, Add	8,064.06	
			For Combination Filter Mixing Box And Throwaway Filters, Add	15,388.11	
23 73 13 00-0077	EA		25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	82,455.25	9,910.92
			For Automatic Roll Filter, Add	35,565.54	
			For Steam Heating Coil, Aluminum Fins, Add	15,075.53	
			For Electric Heating Coil, Add	9,611.53	
			For Economizer, Panel, Controls And Damper(s), Add	3,888.28	
			For Chilled Water Cooling Coil, Copper Fins, Add	35,565.54	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	28,735.53	
			For Flat Filter Box And Throwaway Filters, Add	7,537.76	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	28,735.53	
			For Hot Water Heating Coil, Aluminum Fins, Add	8,245.53	
			For Manual Roll Filter, Add	28,735.53	
			For Medium Capacity Filter Box And Throwaway Filters, Add	11,235.87	
			For Direct Expansion Cooling Coil, Copper Fins, Add	35,565.54	
			For 2 Coils, Independent Circuits, Add	9,611.53	
			For Combination Filter Mixing Box And Throwaway Filters, Add	18,490.53	
23 73 13 00-0078	EA		27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	93,055.00	10,730.39
			For Automatic Roll Filter, Add	40,404.55	
			For Steam Heating Coil, Aluminum Fins, Add	17,080.26	
			For Electric Heating Coil, Add	10,860.45	
			For Economizer, Panel, Controls And Damper(s), Add	4,061.11	
			For Chilled Water Cooling Coil, Copper Fins, Add	40,404.55	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	32,629.79	
			For Flat Filter Box And Throwaway Filters, Add	8,540.13	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	32,629.79	
			For Hot Water Heating Coil, Aluminum Fins, Add	9,305.50	
			For Manual Roll Filter, Add	32,629.79	
			For Medium Capacity Filter Box And Throwaway Filters, Add	12,733.66	
			For Direct Expansion Cooling Coil, Copper Fins, Add	40,404.55	
			For 2 Coils, Independent Circuits, Add	10,860.45	
			For Combination Filter Mixing Box And Throwaway Filters, Add	20,967.64	
23 73 13 00-0079	EA		30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	100,841.96	11,549.86
			For Automatic Roll Filter, Add	43,818.17	
			For Steam Heating Coil, Aluminum Fins, Add	18,517.69	
			For Electric Heating Coil, Add	11,770.89	
			For Economizer, Panel, Controls And Damper(s), Add	4,241.05	
			For Chilled Water Cooling Coil, Copper Fins, Add	43,818.17	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	35,384.68	
			For Flat Filter Box And Throwaway Filters, Add	9,258.85	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	35,384.68	
			For Hot Water Heating Coil, Aluminum Fins, Add	10,084.20	
			For Manual Roll Filter, Add	35,384.68	
			For Medium Capacity Filter Box And Throwaway Filters, Add	13,805.73	
			For Direct Expansion Cooling Coil, Copper Fins, Add	43,818.17	
			For 2 Coils, Independent Circuits, Add	11,770.89	
			For Combination Filter Mixing Box And Throwaway Filters, Add	22,734.44	
23 73 13 00-0080	EA		32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	112,897.56	13,515.02
			For Automatic Roll Filter, Add	48,733.43	
			For Steam Heating Coil, Aluminum Fins, Add	20,650.67	
			For Electric Heating Coil, Add	13,161.94	
			For Chilled Water Cooling Coil, Copper Fins, Add	48,733.43	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	39,372.51	
			For Economizer, Panel, Controls And Damper(s), Add	4,241.05	
			For Flat Filter Box And Throwaway Filters, Add	10,325.34	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	39,372.51	
			For Hot Water Heating Coil, Aluminum Fins, Add	11,289.76	
			For Manual Roll Filter, Add	39,372.51	
			For Medium Capacity Filter Box And Throwaway Filters, Add	15,391.56	
			For Direct Expansion Cooling Coil, Copper Fins, Add	48,733.43	
			For 2 Coils, Independent Circuits, Add	13,161.94	
			For Combination Filter Mixing Box And Throwaway Filters, Add	25,331.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0081	EA		35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	113,618.97	14,006.84
			For Automatic Roll Filter, Add	48,805.57	
			For Steam Heating Coil, Aluminum Fins, Add	20,722.82	
			For Electric Heating Coil, Add	13,234.08	
			For Chilled Water Cooling Coil, Copper Fins, Add	48,805.57	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	39,444.65	
			For Economizer, Panel, Controls And Damper(s), Add	4,331.22	
			For Flat Filter Box And Throwaway Filters, Add	10,361.41	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	39,444.65	
			For Hot Water Heating Coil, Aluminum Fins, Add	11,361.90	
			For Manual Roll Filter, Add	39,444.65	
			For Medium Capacity Filter Box And Throwaway Filters, Add	15,442.06	
			For Direct Expansion Cooling Coil, Copper Fins, Add	48,805.57	
			For 2 Coils, Independent Circuits, Add	13,234.08	
			For Combination Filter Mixing Box And Throwaway Filters, Add	25,403.27	
23 73 13 00-0082	EA		37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	118,789.69	14,497.85
			For Automatic Roll Filter, Add	51,102.37	
			For Steam Heating Coil, Aluminum Fins, Add	21,684.82	
			For Electric Heating Coil, Add	13,840.14	
			For Chilled Water Cooling Coil, Copper Fins, Add	51,102.37	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	41,296.52	
			For Economizer, Panel, Controls And Damper(s), Add	4,421.40	
			For Flat Filter Box And Throwaway Filters, Add	10,842.41	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	41,296.52	
			For Hot Water Heating Coil, Aluminum Fins, Add	11,878.97	
			For Manual Roll Filter, Add	41,296.52	
			For Medium Capacity Filter Box And Throwaway Filters, Add	16,159.96	
			For Direct Expansion Cooling Coil, Copper Fins, Add	51,102.37	
			For 2 Coils, Independent Circuits, Add	13,840.14	
			For Combination Filter Mixing Box And Throwaway Filters, Add	26,587.75	
23 73 13 00-0083	EA		40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	124,408.25	15,563.16
			For Automatic Roll Filter, Add	53,316.83	
			For Steam Heating Coil, Aluminum Fins, Add	22,659.83	
			For Electric Heating Coil, Add	14,484.63	
			For Chilled Water Cooling Coil, Copper Fins, Add	53,316.83	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	43,097.83	
			For Economizer, Panel, Controls And Damper(s), Add	4,607.28	
			For Flat Filter Box And Throwaway Filters, Add	11,329.91	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	43,097.83	
			For Hot Water Heating Coil, Aluminum Fins, Add	12,440.83	
			For Manual Roll Filter, Add	43,097.83	
			For Medium Capacity Filter Box And Throwaway Filters, Add	16,883.78	
			For Direct Expansion Cooling Coil, Copper Fins, Add	53,316.83	
			For 2 Coils, Independent Circuits, Add	14,484.63	
			For Combination Filter Mixing Box And Throwaway Filters, Add	27,769.33	
23 73 13 00-0084	EA		45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	133,926.10	16,382.27
			For Automatic Roll Filter, Add	57,643.17	
			For Steam Heating Coil, Aluminum Fins, Add	24,455.25	
			For Electric Heating Coil, Add	15,605.14	
			For Chilled Water Cooling Coil, Copper Fins, Add	57,643.17	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	46,580.53	
			For Economizer, Panel, Controls And Damper(s), Add	4,742.46	
			For Flat Filter Box And Throwaway Filters, Add	12,227.63	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	46,580.53	
			For Hot Water Heating Coil, Aluminum Fins, Add	13,392.61	
			For Manual Roll Filter, Add	46,580.53	
			For Medium Capacity Filter Box And Throwaway Filters, Add	18,224.94	
			For Direct Expansion Cooling Coil, Copper Fins, Add	57,643.17	
			For 2 Coils, Independent Circuits, Add	15,605.14	
			For Combination Filter Mixing Box And Throwaway Filters, Add	29,986.57	
23 73 13 00-0085	EA		50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	143,900.14	17,283.30
			For Automatic Roll Filter, Add	62,061.36	
			For Economizer, Panel, Controls And Damper(s), Add	4,372.18	
			For Steam Heating Coil, Aluminum Fins, Add	26,307.85	
			For Electric Heating Coil, Add	16,773.58	
			For Chilled Water Cooling Coil, Copper Fins, Add	62,061.36	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	50,143.52	
			For Flat Filter Box And Throwaway Filters, Add	13,153.93	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	50,143.52	
			For Hot Water Heating Coil, Aluminum Fins, Add	14,390.01	
			For Manual Roll Filter, Add	50,143.52	
			For Medium Capacity Filter Box And Throwaway Filters, Add	19,607.28	
			For Direct Expansion Cooling Coil, Copper Fins, Add	62,061.36	
			For 2 Coils, Independent Circuits, Add	16,773.58	
			For Combination Filter Mixing Box And Throwaway Filters, Add	32,266.77	
23 73 13 00-0086	EA		55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	154,910.33	18,348.15
			For Automatic Roll Filter, Add	66,976.09	
			For Economizer, Panel, Controls And Damper(s), Add	4,519.77	
			For Steam Heating Coil, Aluminum Fins, Add	28,362.30	
			For Electric Heating Coil, Add	18,065.29	
			For Chilled Water Cooling Coil, Copper Fins, Add	66,976.09	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	54,104.82	
			For Flat Filter Box And Throwaway Filters, Add	14,181.15	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	54,104.82	
			For Hot Water Heating Coil, Aluminum Fins, Add	15,491.03	
			For Manual Roll Filter, Add	54,104.82	
			For Medium Capacity Filter Box And Throwaway Filters, Add	21,140.73	
			For Direct Expansion Cooling Coil, Copper Fins, Add	66,976.09	
			For 2 Coils, Independent Circuits, Add	18,065.29	
			For Combination Filter Mixing Box And Throwaway Filters, Add	34,797.93	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 73 Indoor Central-Station Air-Handling Units**

MINOR TOTAL DIRECT DEMOLITION  
CSI UOM DESCRIPTION UNIT COST UNIT COST

23 73 13 00-0087	EA	60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	165,892.96	18,839.62
		<i>For Automatic Roll Filter, Add</i>	72,200.08	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,586.60	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	30,491.99	
		<i>For Electric Heating Coil, Add</i>	19,369.84	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	72,200.08	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	58,297.39	
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	15,246.00	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	58,297.39	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	16,589.30	
		<i>For Manual Roll Filter, Add</i>	58,297.39	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	22,734.66	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	72,200.08	
		<i>For 2 Coils, Independent Circuits, Add</i>	19,369.84	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	37,443.34	

**23 73 13 00-0088 Return/Supply Air Fan (23 73 13)**

Note: Includes vibration mounts.

23 73 13 00-0089	EA	300 CFM Return Air Fan .....	2,914.41	655.17
23 73 13 00-0090	EA	500 CFM Return Air Fan .....	3,759.16	786.23
23 73 13 00-0091	EA	750 CFM Return Air Fan .....	3,925.82	818.99
23 73 13 00-0092	EA	1,000 CFM Return Air Fan .....	4,460.05	868.14
23 73 13 00-0093	EA	1,250 CFM Return Air Fan .....	4,600.41	909.10
23 73 13 00-0094	EA	1,500 CFM Return Air Fan .....	4,713.36	950.05
23 73 13 00-0095	EA	1,750 CFM Return Air Fan .....	4,947.44	999.20
23 73 13 00-0096	EA	2,000 CFM Return Air Fan .....	5,481.66	1,048.34
23 73 13 00-0097	EA	2,250 CFM Return Air Fan .....	5,742.90	1,097.50
23 73 13 00-0098	EA	2,500 CFM Return Air Fan .....	5,895.02	1,146.65
23 73 13 00-0099	EA	3,000 CFM Return Air Fan .....	6,261.22	1,269.51
23 73 13 00-0100	EA	3,500 CFM Return Air Fan .....	6,436.93	1,335.04
23 73 13 00-0101	EA	4,000 CFM Return Air Fan .....	6,600.67	1,392.38
23 73 13 00-0102	EA	4,500 CFM Return Air Fan .....	6,803.66	1,458.03
23 73 13 00-0103	EA	5,000 CFM Return Air Fan .....	6,990.70	1,531.74
23 73 13 00-0104	EA	5,500 CFM Return Air Fan .....	7,357.07	1,711.94
23 73 13 00-0105	EA	6,000 CFM Return Air Fan .....	8,386.44	2,031.40
23 73 13 00-0106	EA	6,500 CFM Return Air Fan .....	8,597.70	2,064.17
23 73 13 00-0107	EA	7,000 CFM Return Air Fan .....	8,690.75	2,072.36
23 73 13 00-0108	EA	8,000 CFM Return Air Fan .....	9,120.33	2,105.13
23 73 13 00-0109	EA	9,000 CFM Return Air Fan .....	9,315.30	2,129.69
23 73 13 00-0110	EA	10,000 CFM Return Air Fan .....	9,791.12	2,211.96
23 73 13 00-0111	EA	12,500 CFM Return Air Fan .....	10,393.32	2,252.44
23 73 13 00-0112	EA	15,000 CFM Return Air Fan .....	11,659.93	2,316.45
23 73 13 00-0113	EA	17,500 CFM Return Air Fan .....	12,683.41	2,440.84
23 73 13 00-0114	EA	20,000 CFM Return Air Fan .....	14,963.65	2,547.09
23 73 13 00-0115	EA	22,500 CFM Return Air Fan .....	15,671.69	2,635.91
23 73 13 00-0116	EA	25,000 CFM Return Air Fan .....	16,365.58	2,711.26
23 73 13 00-0117	EA	27,500 CFM Return Air Fan .....	17,383.87	2,981.57
23 73 13 00-0118	EA	30,000 CFM Return Air Fan .....	18,571.88	3,145.16
23 73 13 00-0119	EA	35,000 CFM Return Air Fan .....	20,861.62	3,276.11
23 73 13 00-0120	EA	40,000 CFM Return Air Fan .....	24,495.45	3,603.75
23 73 13 00-0121	EA	45,000 CFM Return Air Fan .....	30,026.76	4,095.21
23 73 13 00-0122	EA	50,000 CFM Return Air Fan .....	36,296.60	4,243.00
23 73 13 00-0123	EA	55,000 CFM Return Air Fan .....	37,966.91	4,365.52
23 73 13 00-0124	EA	60,000 CFM Return Air Fan .....	38,846.87	4,480.20
23 73 13 00-0125	EA	65,000 CFM Return Air Fan .....	40,730.81	4,676.67
23 73 13 00-0126	EA	70,000 CFM Return Air Fan .....	42,779.73	4,906.96
23 73 13 00-0127	EA	75,000 CFM Return Air Fan .....	45,970.10	5,147.66
23 73 13 00-0128	EA	80,000 CFM Return Air Fan .....	48,024.48	5,420.54
23 73 13 00-0129	EA	90,000 CFM Return Air Fan .....	49,631.35	5,729.23
23 73 13 00-0130	EA	100,000 CFM Return Air Fan .....	53,307.02	5,991.46
23 73 13 00-0131	EA	115,000 CFM Return Air Fan .....	57,291.39	6,278.04
23 73 13 00-0132	EA	130,000 CFM Return Air Fan .....	61,617.12	6,594.34
23 73 13 00-0133	EA	150,000 CFM Return Air Fan .....	67,327.70	6,945.62

**23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit (23 73 13)**

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

23 73 13 00-0135	EA	Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit .....	3,000.41	
23 73 13 00-0136	EA	Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit .....	4,070.13	
23 73 13 00-0137	EA	Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit .....	5,063.20	
23 73 13 00-0138	EA	Removal And Reinstallation Of >22,000 CFM Air Handling Unit .....	9,238.12	

**23 74 Packaged Outdoor HVAC Equipment (23 70)**

**23 74 16 Packaged Rooftop Air-Conditioning Units (23 74)**

**23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units (23 74 16)**

**23 74 16 13-0001 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units (23 74 16 13)**

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0859 for crane lifting equipment, 26 28 16 16-0001 for disconnects.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0002	EA		2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	4,570.11	1,569.44
			<i>For Unit Without Heat, Deduct</i>	-333.14	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-762.28	
			<i>For Unit Without Roof Curb, Deduct</i>	-615.64	
23 74 16 13-0003	EA		3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	5,903.48	1,640.78
			<i>For Unit Without Heat, Deduct</i>	-404.56	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-762.28	
			<i>For Unit Without Roof Curb, Deduct</i>	-615.64	
23 74 16 13-0004	EA		4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	6,883.21	1,712.11
			<i>For Unit Without Heat, Deduct</i>	-458.30	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-762.28	
			<i>For Unit Without Roof Curb, Deduct</i>	-615.64	
23 74 16 13-0005	EA		5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	8,175.98	1,819.13
			<i>For Unit Without Heat, Deduct</i>	-530.07	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-762.28	
			<i>For Unit Without Roof Curb, Deduct</i>	-615.64	
23 74 16 13-0006	EA		6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	8,901.29	1,926.13
			<i>For Unit Without Heat, Deduct</i>	-573.47	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-762.28	
			<i>For Unit Without Roof Curb, Deduct</i>	-615.64	
23 74 16 13-0007	EA		7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	9,965.51	2,068.81
			<i>For Unit Without Heat, Deduct</i>	-636.20	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-778.05	
			<i>For Unit Without Roof Curb, Deduct</i>	-738.74	
23 74 16 13-0008	EA		8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	10,690.82	2,175.81
			<i>For Unit Without Heat, Deduct</i>	-679.60	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-778.05	
			<i>For Unit Without Roof Curb, Deduct</i>	-738.74	
23 74 16 13-0009	EA		10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	11,755.04	2,318.49
			<i>For Unit Without Heat, Deduct</i>	-742.32	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-795.67	
			<i>For Unit Without Roof Curb, Deduct</i>	-738.74	
23 74 16 13-0010	EA		12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	14,208.64	2,505.40
			<i>For Unit Without Heat, Deduct</i>	-877.48	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-859.32	
			<i>For Unit Without Roof Curb, Deduct</i>	-738.74	
23 74 16 13-0011	EA		15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	16,662.26	2,693.01
			<i>For Unit Without Heat, Deduct</i>	-1,012.65	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-738.74	
23 74 16 13-0012	EA		17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	19,039.87	2,880.16
			<i>For Unit Without Heat, Deduct</i>	-1,144.01	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-738.74	
23 74 16 13-0013	EA		20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	21,417.49	3,067.54
			<i>For Unit Without Heat, Deduct</i>	-1,275.38	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-738.74	
23 74 16 13-0014	EA		22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	24,012.21	3,379.53
			<i>For Unit Without Heat, Deduct</i>	-1,425.92	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-738.74	
23 74 16 13-0015	EA		25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	26,606.96	3,691.75
			<i>For Unit Without Heat, Deduct</i>	-1,576.47	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-738.74	
23 74 16 13-0016	EA		27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	29,299.91	4,039.64
			<i>For Unit Without Heat, Deduct</i>	-1,734.30	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,013.55	
23 74 16 13-0017	EA		30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	31,992.87	4,387.30
			<i>For Unit Without Heat, Deduct</i>	-1,892.13	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,013.55	
23 74 16 13-0018	EA		35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	37,274.34	5,118.51
			<i>For Unit Without Heat, Deduct</i>	-2,204.95	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,013.55	
23 74 16 13-0019	EA		40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	42,555.83	5,849.73
			<i>For Unit Without Heat, Deduct</i>	-2,517.77	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,507.72	
23 74 16 13-0020	EA		45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	46,797.12	6,598.78
			<i>For Unit Without Heat, Deduct</i>	-2,779.77	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,507.72	
23 74 16 13-0021	EA		50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	51,038.41	7,347.84
			<i>For Unit Without Heat, Deduct</i>	-3,041.78	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,507.72	
23 74 16 13-0022	EA		55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	56,194.79	8,061.21
			<i>For Unit Without Heat, Deduct</i>	-3,347.15	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,862.51	
23 74 16 13-0023	EA		60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	61,351.16	8,774.59
			<i>For Unit Without Heat, Deduct</i>	-3,652.53	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,862.51	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 74 Packaged Outdoor HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0024	EA		65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	66,355.54	9,487.98
			<i>For Unit Without Heat, Deduct</i>	-3,950.31	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,161.45	
23 74 16 13-0025	EA		70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	71,359.91	10,201.36
			<i>For Unit Without Heat, Deduct</i>	-4,248.09	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,161.45	
23 74 16 13-0026	EA		75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	76,459.40	10,986.08
			<i>For Unit Without Heat, Deduct</i>	-4,555.38	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,405.52	
23 74 16 13-0027			<b>Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units</b> <sup>(23 74 16 13)</sup>		
			Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0859 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.		
23 74 16 13-0028	EA		2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit .....	4,627.21	1,426.77
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-762.28	
			<i>For Unit Without Roof Curb, Deduct</i>	-615.64	
23 74 16 13-0029	EA		3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit .....	5,274.47	1,640.78
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-762.28	
			<i>For Unit Without Roof Curb, Deduct</i>	-615.64	
23 74 16 13-0030	EA		4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit .....	6,512.12	1,890.46
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-762.28	
			<i>For Unit Without Roof Curb, Deduct</i>	-615.64	
23 74 16 13-0031	EA		5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit .....	7,474.04	2,033.14
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-762.28	
			<i>For Unit Without Roof Curb, Deduct</i>	-615.64	
23 74 16 13-0032	EA		6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit .....	8,379.92	2,193.65
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-762.28	
			<i>For Unit Without Roof Curb, Deduct</i>	-615.64	
23 74 16 13-0033	EA		7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit .....	9,161.23	2,300.66
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-778.05	
			<i>For Unit Without Roof Curb, Deduct</i>	-738.74	
23 74 16 13-0034	EA		8.5 Ton Electric Cooling, 170 To 190 MBH Gas Heating, Self Contained Package Rooftop Unit .....	10,969.01	1,908.30
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-778.05	
			<i>For Unit Without Roof Curb, Deduct</i>	-738.74	
23 74 16 13-0035	EA		10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit .....	13,722.30	2,568.17
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-795.67	
			<i>For Unit Without Roof Curb, Deduct</i>	-738.74	
23 74 16 13-0036	EA		12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit .....	14,992.22	2,782.19
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-859.32	
			<i>For Unit Without Roof Curb, Deduct</i>	-738.74	
23 74 16 13-0037	EA		15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit .....	18,151.46	2,996.20
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-738.74	
23 74 16 13-0038	EA		17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit .....	19,181.89	3,210.21
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-738.74	
23 74 16 13-0039	EA		20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit .....	29,472.60	3,424.23
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-738.74	
23 74 16 13-0040	EA		22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit .....	36,015.27	3,780.93
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-738.74	
23 74 16 13-0041	EA		25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit .....	42,557.94	4,090.06
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-738.74	
23 74 16 13-0042	EA		27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit .....	43,831.83	4,494.31
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,013.55	
23 74 16 13-0043	EA		30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit .....	45,105.71	4,851.00
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,013.55	
23 74 16 13-0044	EA		35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit .....	50,510.39	5,671.38
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,013.55	
23 74 16 13-0045	EA		40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit .....	55,915.06	6,491.77
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,507.72	
23 74 16 13-0046	EA		45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit .....	60,255.33	7,312.17
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,507.72	
23 74 16 13-0047	EA		50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit .....	64,595.60	8,132.55
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,507.72	
23 74 16 13-0048	EA		55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit .....	70,745.35	8,952.94
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,862.51	
23 74 16 13-0049	EA		60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit .....	76,895.10	9,773.32
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,862.51	
23 74 16 13-0050	EA		65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit .....	82,364.88	10,183.52
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,161.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0051	EA		70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	87,810.87 -1,624.37 -2,161.45	10,575.88
23 74 16 13-0052	EA		75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	93,280.65 -1,624.37 -2,405.52	10,986.08
23 74 16 13-0053	EA		80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	98,774.21 -1,624.37 -2,405.52	11,414.11
23 74 16 13-0054	EA		90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	134,433.91 -1,624.37 -2,405.52	13,411.58
23 74 16 13-0055	EA		100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	154,831.92 -1,624.37 -2,405.52	16,336.45
<b>23 74 16 13-0056</b>			<b>AAON Rooftop Units</b> <small>(23 74 16 13)</small> Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Excludes crane and associated personnel. See CSI section 01 22 23 00-0859 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
<b>23 74 16 13-0057</b>			<b>AAON RQ Rooftop Units</b> <small>(23 74 16 13-0056)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0859 for crane lifting equipment.		
23 74 16 13-0058	EA		2 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-002) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	9,900.49 1,012.75 1,098.77 865.06 990.03 5,047.53 1,178.30	1,426.77
23 74 16 13-0059	EA		3 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-003) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	10,818.82 1,085.79 1,178.30 926.73 1,061.44 5,047.53 1,178.30	1,640.78
23 74 16 13-0060	EA		4 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-004) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	11,296.18 1,085.79 1,178.30 926.73 1,061.44 5,047.53 1,178.30	1,890.46
23 74 16 13-0061	EA		5 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-005) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	11,614.63 1,085.79 1,178.30 926.73 1,061.44 5,047.53 1,178.30	2,033.14
23 74 16 13-0062	EA		6 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-006) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	12,696.95 1,085.79 1,178.30 926.73 1,061.44 5,047.53 1,178.30	2,479.05
<b>23 74 16 13-0063</b>			<b>AAON RNA Rooftop Units</b> <small>(23 74 16 13-0056)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0859 for crane lifting equipment.		
23 74 16 13-0064	EA		6 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-006) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	15,230.46 1,056.57 1,623.00 1,082.54 999.77 2,695.80 918.62	2,193.69
23 74 16 13-0065	EA		7 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-007) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	16,247.92 1,056.57 1,623.00 1,082.54 999.77 2,695.80 918.62	2,300.71
23 74 16 13-0066	EA		8 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-008) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	18,608.60 1,056.57 1,623.00 1,082.54 999.77 2,695.80 918.62	2,479.05

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0067	EA		10 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-010) ..... <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	18,813.52 1,056.57 1,623.00 1,082.54 999.77 2,695.80 918.62	2,568.17
<b>23 74 16 13-0068</b>			<b>AAON RNB Rooftop Units</b> (23 74 16 13-0056) Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0859 for crane lifting equipment.		
23 74 16 13-0069	EA		9 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-009) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	22,181.24 1,556.46 1,217.25 965.68 2,570.83 923.49	2,568.17
23 74 16 13-0070	EA		11 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-011) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	22,324.71 1,556.46 1,217.25 965.68 2,570.83 923.49	2,496.84
23 74 16 13-0071	EA		13 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-013) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	24,357.39 1,556.46 1,217.25 965.68 2,570.83 923.49	2,782.19
23 74 16 13-0072	EA		15 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-015) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	25,019.28 1,556.46 1,217.25 965.68 2,570.83 923.49	2,996.20
<b>23 74 16 13-0073</b>			<b>AAON RNC Rooftop Units</b> (23 74 16 13-0056) Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0074	EA		16 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-016) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	31,985.20 2,298.17 1,623.00 965.68 4,714.82 420.36	2,996.20
23 74 16 13-0075	EA		18 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-018) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	34,545.99 2,298.17 1,623.00 965.68 4,714.82 420.36	3,210.21
23 74 16 13-0076	EA		20 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-020) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	36,611.78 2,298.17 1,623.00 965.68 4,714.82 420.36	3,424.23
23 74 16 13-0077	EA		25 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-025) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	39,732.91 2,298.17 1,623.00 965.68 4,714.82 420.36	4,137.61
23 74 16 13-0078	EA		30 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-030) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	45,106.75 2,298.17 1,623.00 965.68 4,714.82 420.36	4,851.00
<b>23 74 16 13-0079</b>			<b>AAON RND Rooftop Units</b> (23 74 16 13-0056) Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0080	EA		26 Ton, Air Cooled Packaged Rooftop Units (AAON RND-026) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	59,739.63 2,028.75 2,197.54 3,083.70	4,137.61
23 74 16 13-0081	EA		31 Ton, Air Cooled Packaged Rooftop Units (AAON RND-031) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	68,109.53 2,028.75 2,197.54 3,083.70	4,851.00

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0082	EA		40 Ton, Air Cooled Packaged Rooftop Units (AAON RND-040) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	80,471.83 2,028.75 2,197.54 3,083.70	6,491.77
23 74 16 13-0083	EA		50 Ton, Air Cooled Packaged Rooftop Units (AAON RND-050) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	94,523.66 2,028.75 2,197.54 3,083.70	8,132.55
23 74 16 13-0084	EA		60 Ton, Air Cooled Packaged Rooftop Units (AAON RND-060) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	104,071.66 2,028.75 2,197.54 3,083.70	9,773.32
23 74 16 13-0085	EA		70 Ton, Air Cooled Packaged Rooftop Units (AAON RND-070) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	109,600.11 2,028.75 2,197.54 3,083.70	10,575.93
23 74 16 13-0086			<b>AAON RNE Rooftop Units</b> <small>(23 74 16 13-0056)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0087	EA		55 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-055) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	100,971.78 2,291.68 3,291.44 4,382.10	8,952.94
23 74 16 13-0088	EA		65 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-065) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	111,319.96 2,291.68 3,291.44 4,382.10	10,183.57
23 74 16 13-0089	EA		75 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-075) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	118,409.74 2,291.68 3,291.44 4,382.10	10,986.08
23 74 16 13-0090	EA		95 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-090) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	143,774.02 2,291.68 3,291.44 4,382.10	14,874.01
23 74 16 13-0091	EA		105 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-105) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	155,988.54 2,291.68 3,291.44 4,382.10	16,978.49
23 74 16 13-0092	EA		120 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-120) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	181,567.87 2,291.68 3,291.44 4,382.10	18,690.59
23 74 16 13-0093	EA		130 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-130) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	186,217.28 2,291.68 3,291.44 4,382.10	19,832.00
23 74 16 13-0094	EA		140 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-140) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	195,586.85 2,291.68 3,291.44 4,382.10	22,186.18
23 74 16 13-0095			<b>Heat Pump, Packaged Rooftop Heat Pump Units</b> <small>(23 74 16 13)</small> See CSI section 01 22 23 00-0859 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0096			<b>Packaged Rooftop Heat Pump Units</b> <small>(23 74 16 13-0095)</small> Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.		
23 74 16 13-0097	EA		2 Ton Packaged Rooftop Heat Pump ..... <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	5,765.98 202.69 1,707.37 -615.64	1,284.09
23 74 16 13-0098	EA		2.5 Ton Packaged Rooftop Heat Pump ..... <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	6,072.60 211.60 1,609.00 -615.64	1,380.44
23 74 16 13-0099	EA		3 Ton Packaged Rooftop Heat Pump ..... <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	6,423.74 222.74 1,919.98 -615.64	1,476.70
23 74 16 13-0100	EA		3.5 Ton Packaged Rooftop Heat Pump ..... <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	6,893.56 238.74 1,871.09 -615.64	1,589.03
23 74 16 13-0101	EA		4 Ton Packaged Rooftop Heat Pump ..... <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	7,363.59 254.75 2,000.44 -615.64	1,701.46
23 74 16 13-0102	EA		5 Ton Packaged Rooftop Heat Pump ..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	7,892.65 2,146.87 218.12 -615.64	1,829.87

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 74 Packaged Outdoor HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0103	EA		6 Ton Packaged Rooftop Heat Pump..... <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	8,875.25 187.29 2,377.48 -615.64	1,974.26
23 74 16 13-0104	EA		7.5 Ton Packaged Rooftop Heat Pump..... <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	11,388.21 258.82 2,415.68 -738.74	2,070.61
23 74 16 13-0105	EA		8.5 Ton Packaged Rooftop Heat Pump..... <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	12,733.49 292.76 2,560.86 -738.74	2,231.07
23 74 16 13-0106	EA		10 Ton Packaged Rooftop Heat Pump..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	13,686.32 2,601.36 212.09 -738.74	2,311.35
23 74 16 13-0107	EA		12.5 Ton Packaged Rooftop Heat Pump..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	15,867.77 2,922.23 250.58 -738.74	2,503.97
23 74 16 13-0108	EA		15 Ton Packaged Rooftop Heat Pump..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	18,049.23 3,243.10 289.08 -738.74	2,696.59
23 74 16 13-0109	EA		17.5 Ton Packaged Rooftop Heat Pump..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	20,207.85 3,561.69 327.11 -738.74	2,889.20
23 74 16 13-0110	EA		20 Ton Packaged Rooftop Heat Pump..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	22,366.48 3,880.28 365.15 -738.74	3,081.81
<b>23 74 16 13-0111</b>			<b>Heating Only Packaged Rooftop Units</b> <small>(23 74 16 13-0095)</small> Note: Includes throwaway filters, filter rack, manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0859 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0112	EA		24 MBH Electric Heating Only, Self Contained Package Rooftop Unit..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	5,023.17 317.38 -615.64	1,284.09
23 74 16 13-0113	EA		32 MBH Electric Heating Only, Self Contained Package Rooftop Unit..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	5,892.03 373.06 -615.64	1,476.70
23 74 16 13-0114	EA		45 MBH Electric Heating Only, Self Contained Package Rooftop Unit..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	7,967.59 512.36 -615.64	1,701.46
23 74 16 13-0115	EA		60 MBH Electric Heating Only, Self Contained Package Rooftop Unit..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	8,961.55 578.51 -615.64	1,829.87
23 74 16 13-0116	EA		95 MBH Electric Heating Only, Self Contained Package Rooftop Unit..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	10,506.64 680.25 -738.74	2,070.61
23 74 16 13-0117	EA		112 MBH Electric Heating Only, Self Contained Package Rooftop Unit..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	11,804.28 766.80 -738.74	2,231.07
23 74 16 13-0118	EA		140 MBH Electric Heating Only, Self Contained Package Rooftop Unit..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	13,869.83 909.25 -738.74	2,311.35
23 74 16 13-0119	EA		170 MBH Electric Heating Only, Self Contained Package Rooftop Unit..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	17,923.29 1,182.72 -738.74	2,696.59
23 74 16 13-0120	EA		200 MBH Electric Heating Only, Self Contained Package Rooftop Unit..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	23,467.75 1,565.70 -738.74	2,889.20
23 74 16 13-0121	EA		230 MBH Electric Heating Only, Self Contained Package Rooftop Unit..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	27,306.53 1,829.28 -738.74	3,081.81
23 74 16 13-0122	EA		270 MBH Electric Heating Only, Self Contained Package Rooftop Unit..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	35,323.89 2,381.93 -738.74	3,402.84
23 74 16 13-0123	EA		330 MBH Electric Heating Only, Self Contained Package Rooftop Unit..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	44,112.44 2,980.01 -1,013.55	4,330.22
23 74 16 13-0124	EA		360 MBH Electric Heating Only, Self Contained Package Rooftop Unit..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	54,092.37 3,670.04 -1,013.55	4,365.89
23 74 16 13-0125	EA		450 MBH Electric Heating Only, Self Contained Package Rooftop Unit..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	65,822.71 4,471.48 -1,013.55	5,104.29
23 74 16 13-0126	EA		540 MBH Electric Heating Only, Self Contained Package Rooftop Unit..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	85,360.30 5,799.73 -1,507.72	6,580.99

**23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units** (23 74)

**23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units** (23 74 23)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 74 23 13-0001 Make-Up Air Units** (23 74 23 13)  
 Note: Including throwaway filters. Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant, and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0859 for crane lifting equipment.

**23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units** (23 74 23 13-0001)  
 Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0860 for crane lifting equipment.

23 74 23 13-0003	EA		100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	5,602.56	428.03
			<i>For Equipment Base Roof Curb, Add</i>	678.92	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,466.75	
23 74 23 13-0004	EA		300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	7,224.44	485.10
			<i>For Equipment Base Roof Curb, Add</i>	878.56	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,922.40	
23 74 23 13-0005	EA		500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	10,022.85	570.70
			<i>For Equipment Base Roof Curb, Add</i>	1,224.32	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,721.50	
23 74 23 13-0006	EA		670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	10,115.74	608.76
			<i>For Equipment Base Roof Curb, Add</i>	1,233.79	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,727.97	
23 74 23 13-0007	EA		800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	13,782.98	684.85
			<i>For Equipment Base Roof Curb, Add</i>	1,688.63	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	3,792.47	
23 74 23 13-0008	EA		1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	20,849.89	856.06
			<i>For Equipment Base Roof Curb, Add</i>	2,563.43	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	5,826.94	

**23 74 23 13-0009 Electric Make-Up Air Units** (23 74 23 13-0001)  
 Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0860 for crane lifting equipment.

23 74 23 13-0010	EA		33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric.....	11,447.13	428.03
			<i>For Equipment Base Roof Curb, Add</i>	1,409.49	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	3,220.12	
23 74 23 13-0011	EA		100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric.....	16,345.87	485.10
			<i>For Equipment Base Roof Curb, Add</i>	2,018.74	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,658.83	
23 74 23 13-0012	EA		150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric.....	20,245.27	570.70
			<i>For Equipment Base Roof Curb, Add</i>	2,502.12	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	5,788.23	
23 74 23 13-0013	EA		250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric.....	26,181.24	684.85
			<i>For Equipment Base Roof Curb, Add</i>	3,238.41	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	7,511.95	
23 74 23 13-0014	EA		400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric.....	42,286.71	856.06
			<i>For Equipment Base Roof Curb, Add</i>	5,243.04	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	12,257.99	

**23 76 Evaporative Air-Cooling Equipment** (23 70)

**23 76 13 Direct Evaporative Air Coolers** (23 76)

**23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit** (23 76 13)  
 Note: Includes motor, belt and pads.

23 76 13 00-0002	EA		3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,310.42	385.19
23 76 13 00-0003	EA		4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,543.83	449.38
23 76 13 00-0004	EA		4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,949.17	513.59
23 76 13 00-0005	EA		5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	2,135.26	577.78
23 76 13 00-0006	EA		6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	2,436.76	641.98
23 76 13 00-0007	EA		7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	2,634.38	706.18

**23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers** (23 76 13)  
 Note: Excludes motor starter, piping, power wiring and equipment rigging.

23 76 13 00-0009	EA		7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	2,053.89	283.84
23 76 13 00-0010	EA		8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	2,119.65	293.02
23 76 13 00-0011	EA		9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	2,543.73	406.95
23 76 13 00-0012	EA		11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	5,312.28	480.38
23 76 13 00-0013	EA		13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	5,811.14	703.26
23 76 13 00-0014	EA		16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	6,638.82	750.14
23 76 13 00-0015	EA		15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	6,150.14	843.91
23 76 13 00-0016	EA		19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	7,312.93	1,054.89
23 76 13 00-0017	EA		17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	7,448.69	1,378.94
23 76 13 00-0018	EA		22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	8,248.13	1,406.52
23 76 13 00-0019	EA		24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	8,714.17	1,562.83
23 76 13 00-0020	EA		30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	11,807.44	2,441.90
23 76 13 00-0021	EA		35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	13,173.72	2,548.04
23 76 13 00-0022	EA		40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	14,559.32	2,663.85

**23 80 Decentralized Unitary HVAC Equipment** (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

**23 81 Decentralized Unitary HVAC Equipment** (23 80)

**23 81 13 Packaged Terminal Air-Conditioners** (23 81)

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

**23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units (23 81 13)**

23 81 13 11-0001	Packaged Terminal Air-Conditioners (23 81 13 11)		
23 81 13 11-0002	Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 11-0001)		
23 81 13 11-0003	EA 7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner .....	1,590.02	240.74
	For >35 To 70, Deduct	-33.26	
	For >100, Deduct	-77.60	
	For >70 To 100, Deduct	-55.43	
23 81 13 11-0004	EA 9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner .....	1,560.60	216.83
	For >35 To 70, Deduct	-33.82	
	For >100, Deduct	-78.92	
	For >70 To 100, Deduct	-56.37	
23 81 13 11-0005	EA 11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner .....	1,652.61	231.07
	For >35 To 70, Deduct	-35.70	
	For >100, Deduct	-83.29	
	For >70 To 100, Deduct	-59.50	
23 81 13 11-0006	EA 14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner .....	1,785.26	248.39
	For >35 To 70, Deduct	-38.66	
	For >100, Deduct	-90.21	
	For >70 To 100, Deduct	-64.43	
23 81 13 11-0007	Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 11-0001)		
23 81 13 11-0008	EA 7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner .....	1,569.55	192.40
	For >35 To 70, Deduct	-35.56	
	For >100, Deduct	-82.98	
	For >70 To 100, Deduct	-59.27	
23 81 13 11-0009	EA 9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner .....	1,660.85	216.83
	For >35 To 70, Deduct	-36.83	
	For >100, Deduct	-85.94	
	For >70 To 100, Deduct	-61.38	
23 81 13 11-0010	EA 11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner .....	1,725.25	231.07
	For >35 To 70, Deduct	-37.88	
	For >100, Deduct	-88.38	
	For >70 To 100, Deduct	-63.13	
23 81 13 11-0011	EA 14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner .....	1,881.15	248.39
	For >35 To 70, Deduct	-41.54	
	For >100, Deduct	-96.92	
	For >70 To 100, Deduct	-69.23	

**23 81 13 11-0012 Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve (23 81 13 11)**

Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.

23 81 13 11-0013	EA Up To 10,000 BTU Unit, Thru Wall A/C Sleeve .....	103.93	
23 81 13 11-0014	EA >10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve .....	116.96	
23 81 13 11-0015	EA >20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve .....	130.00	

**23 81 13 11-0016 Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units (23 81 13 11)**

Note: Includes storage and cleaning.

23 81 13 11-0017	EA Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units .....	256.79	
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**23 81 13 13 Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units (23 81 13)****23 81 13 13-0001 Single Package Vertical Wall Cooling Unit (23 81 13 13)**

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0860 for crane lifting equipment.

23 81 13 13-0002	EA 1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	3,696.53	292.31
23 81 13 13-0003	EA 1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	6,090.90	306.23
23 81 13 13-0004	EA 1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	7,915.44	320.16
23 81 13 13-0005	EA 2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	9,090.37	347.99
23 81 13 13-0006	EA 2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	11,381.32	403.67
23 81 13 13-0007	EA 3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	12,253.64	501.10
23 81 13 13-0008	EA 3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	13,571.81	556.78
23 81 13 13-0009	EA 4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	14,948.88	626.39
23 81 13 13-0010	EA 5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	16,848.85	751.66
23 81 13 13-0011	EA 7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	21,760.60	932.62
23 81 13 13-0012	EA 10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	26,039.28	1,252.77
23 81 13 13-0013	EA 15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	36,373.99	1,531.16
23 81 13 13-0014	EA 20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	41,937.14	1,823.47
23 81 13 13-0015	EA 25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	50,040.62	2,046.19

**23 81 16 Room Air-Conditioners (23 81)**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 16 00-0001			Window Unit, Room Air-Conditioners <small>(23 81 16)</small>		
23 81 16 00-0002			Cooling Only, Window Unit, Room Air-Conditioners <small>(23 81 16 00-0001)</small>		
23 81 16 00-0003			Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) <small>(23 81 16 00-0002)</small>		
23 81 16 00-0004	EA		5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1) .....	548.49	134.81
			For >75 To 100, Deduct	-27.89	
			For >100, Deduct	-33.46	
			For >10 To 50, Deduct	-13.94	
			For >50 To 75, Deduct	-19.52	
23 81 16 00-0005	EA		6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1) .....	576.51	134.81
			For >75 To 100, Deduct	-30.69	
			For >100, Deduct	-36.83	
			For >10 To 50, Deduct	-15.34	
			For >50 To 75, Deduct	-21.48	
23 81 16 00-0006	EA		8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1) .....	646.58	134.81
			For >75 To 100, Deduct	-37.70	
			For >100, Deduct	-45.23	
			For >10 To 50, Deduct	-18.85	
			For >50 To 75, Deduct	-26.39	
23 81 16 00-0007	EA		10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1) .....	709.55	134.81
			For >75 To 100, Deduct	-43.99	
			For >100, Deduct	-52.79	
			For >10 To 50, Deduct	-22.00	
			For >50 To 75, Deduct	-30.79	
23 81 16 00-0008	EA		12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1) .....	870.79	134.81
			For >75 To 100, Deduct	-60.12	
			For >100, Deduct	-72.14	
			For >10 To 50, Deduct	-30.06	
			For >50 To 75, Deduct	-42.08	
23 81 16 00-0009	EA		15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1) .....	1,010.92	134.81
			For >75 To 100, Deduct	-74.13	
			For >100, Deduct	-88.95	
			For >10 To 50, Deduct	-37.06	
			For >50 To 75, Deduct	-51.89	
23 81 16 00-0010	EA		8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1) .....	954.87	134.81
			For >75 To 100, Deduct	-68.52	
			For >100, Deduct	-82.23	
			For >10 To 50, Deduct	-34.26	
			For >50 To 75, Deduct	-47.97	
23 81 16 00-0011	EA		10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1) .....	1,024.93	134.81
			For >75 To 100, Deduct	-75.53	
			For >100, Deduct	-90.64	
			For >10 To 50, Deduct	-37.77	
			For >50 To 75, Deduct	-52.87	
23 81 16 00-0012	EA		12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1) .....	1,080.98	134.81
			For >75 To 100, Deduct	-81.14	
			For >100, Deduct	-97.36	
			For >10 To 50, Deduct	-40.57	
			For >50 To 75, Deduct	-56.79	
23 81 16 00-0013	EA		18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2) .....	1,137.03	134.81
			For >75 To 100, Deduct	-86.74	
			For >100, Deduct	-104.09	
			For >10 To 50, Deduct	-43.37	
			For >50 To 75, Deduct	-60.72	
23 81 16 00-0014	EA		22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2) .....	1,249.14	134.81
			For >75 To 100, Deduct	-97.95	
			For >100, Deduct	-117.54	
			For >10 To 50, Deduct	-48.98	
			For >50 To 75, Deduct	-68.57	
23 81 16 00-0015	EA		25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2) .....	1,263.15	134.81
			For >75 To 100, Deduct	-99.35	
			For >100, Deduct	-119.22	
			For >10 To 50, Deduct	-49.68	
			For >50 To 75, Deduct	-69.55	
23 81 16 00-0016	EA		28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2) .....	1,426.42	134.81
			For >75 To 100, Deduct	-115.68	
			For >100, Deduct	-138.81	
			For >10 To 50, Deduct	-57.84	
			For >50 To 75, Deduct	-80.98	
23 81 16 00-0017			Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) <small>(23 81 16 00-0002)</small>		
23 81 16 00-0018	EA		8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C) .....	1,507.07	134.81
23 81 16 00-0019	EA		10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C) .....	1,644.70	134.81
23 81 16 00-0020	EA		11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C) .....	1,707.26	134.81
23 81 16 00-0021	EA		12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C) .....	1,732.28	134.81
23 81 16 00-0022	EA		20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C) .....	1,957.50	134.81
23 81 16 00-0023	EA		24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C) .....	2,520.54	134.81
23 81 16 00-0024	EA		28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C) .....	2,708.22	134.81

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81	16 00-0025	EA	36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B) .....	2,958.46	134.81
23 81	16 00-0026		<b>Heating And Cooling, Window Unit, Room Air-Conditioners</b> <small>(23 81 16 00-0001)</small>		
23 81	16 00-0027		<b>Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire)</b> <small>(23 81 16 00-0026)</small>		
23 81	16 00-0028	EA	8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1).....	1,080.98	134.81
			<i>For &gt;75 To 100, Deduct</i>	-81.14	
			<i>For &gt;100, Deduct</i>	-97.36	
			<i>For &gt;10 To 50, Deduct</i>	-40.57	
			<i>For &gt;50 To 75, Deduct</i>	-56.79	
23 81	16 00-0029	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2) .....	1,235.13	134.81
			<i>For &gt;75 To 100, Deduct</i>	-96.55	
			<i>For &gt;100, Deduct</i>	-115.86	
			<i>For &gt;10 To 50, Deduct</i>	-48.28	
			<i>For &gt;50 To 75, Deduct</i>	-67.59	
23 81	16 00-0030	EA	18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2) .....	1,319.20	134.81
			<i>For &gt;75 To 100, Deduct</i>	-104.96	
			<i>For &gt;100, Deduct</i>	-125.95	
			<i>For &gt;10 To 50, Deduct</i>	-52.48	
			<i>For &gt;50 To 75, Deduct</i>	-73.47	
23 81	16 00-0031	EA	25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2) .....	1,627.49	134.81
			<i>For &gt;75 To 100, Deduct</i>	-135.79	
			<i>For &gt;100, Deduct</i>	-162.94	
			<i>For &gt;10 To 50, Deduct</i>	-67.89	
			<i>For &gt;50 To 75, Deduct</i>	-95.05	
23 81	16 00-0032		<b>Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich)</b> <small>(23 81 16 00-0026)</small>		
23 81	16 00-0033	EA	12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B).....	1,794.84	134.81
23 81	16 00-0034		<b>Accessories</b> <small>(23 81 16 00-0001)</small>		
23 81	16 00-0035	SET	Aluminum Air Conditioner Unit Frame And Bracket Assembly .....	440.84	55.99
23 81	16 00-0036		<b>Removal And Reinstallation Of Room Air-Conditioners</b> <small>(23 81 16)</small>		
			Note: Includes storage and cleaning.		
23 81	16 00-0037	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash.....	160.49	
23 81	16 00-0038	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash.....	343.19	
23 81	16 00-0039		<b>Through-The-Wall, Room Air-Conditioners</b> <small>(23 81 16)</small>		
			Note: Base unit excludes wall sleeve.		
23 81	16 00-0040		<b>Cooling Only, Through-The-Wall, Room Air-Conditioners</b> <small>(23 81 16 00-0039)</small>		
23 81	16 00-0041		<b>Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich)</b> <small>(23 81 16 00-0040)</small>		
23 81	16 00-0042	EA	8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A) .....	1,129.75	96.29
			<i>For &gt;75 To 100, Deduct</i>	-93.72	
			<i>For &gt;100, Deduct</i>	-112.46	
			<i>For &gt;10 To 50, Deduct</i>	-46.86	
			<i>For &gt;50 To 75, Deduct</i>	-65.60	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	299.11	
23 81	16 00-0043	EA	9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B) .....	1,217.33	96.29
			<i>For &gt;75 To 100, Deduct</i>	-102.47	
			<i>For &gt;100, Deduct</i>	-122.97	
			<i>For &gt;10 To 50, Deduct</i>	-51.24	
			<i>For &gt;50 To 75, Deduct</i>	-71.73	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	299.11	
23 81	16 00-0044	EA	12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A) .....	1,379.99	96.29
			<i>For &gt;75 To 100, Deduct</i>	-118.74	
			<i>For &gt;100, Deduct</i>	-142.49	
			<i>For &gt;10 To 50, Deduct</i>	-59.37	
			<i>For &gt;50 To 75, Deduct</i>	-83.12	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	299.11	
23 81	16 00-0045	EA	10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A) .....	1,217.33	96.29
			<i>For &gt;75 To 100, Deduct</i>	-102.47	
			<i>For &gt;100, Deduct</i>	-122.97	
			<i>For &gt;10 To 50, Deduct</i>	-51.24	
			<i>For &gt;50 To 75, Deduct</i>	-71.73	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	299.11	
23 81	16 00-0046	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A) .....	1,379.99	96.29
			<i>For &gt;75 To 100, Deduct</i>	-118.74	
			<i>For &gt;100, Deduct</i>	-142.49	
			<i>For &gt;10 To 50, Deduct</i>	-59.37	
			<i>For &gt;50 To 75, Deduct</i>	-83.12	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	299.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 81 16 00-0047			Heating And Cooling, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0039)		
23 81 16 00-0048			Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0047)		
23 81 16 00-0049	EA		10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33).....	1,417.52	96.29
			For >75 To 100, Deduct	-122.49	
			For >100, Deduct	-146.99	
			For >10 To 50, Deduct	-61.25	
			For >50 To 75, Deduct	-85.74	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	299.11	
23 81 16 00-0050	EA		12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33).....	1,517.62	96.29
			For >75 To 100, Deduct	-132.50	
			For >100, Deduct	-159.00	
			For >10 To 50, Deduct	-66.25	
			For >50 To 75, Deduct	-92.75	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	299.11	

**23 81 23 Computer-Room Air-Conditioners (23 81)**

Note: Includes equipment rigging. Indoor units include filters.

**23 81 23 12 Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units (23 81 23)**

23 81 23 12-0001			Floor Mounted Air Cooled Direct Expansion Type (23 81 23 12) Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.		
23 81 23 12-0002	EA		3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type ..... Note: Includes interior unit and remote condenser. Excludes piping.	35,797.28	2,740.48
			For Liebert Unit, Add	3,960.26	
23 81 23 12-0003	EA		5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type ..... Note: Includes interior unit and remote condenser. Excludes piping.	39,507.13	2,997.39
			For Liebert Unit, Add	4,373.27	
23 81 23 12-0004	EA		6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type ..... Note: Includes interior unit and remote condenser. Excludes piping.	54,542.01	3,425.60
			For Liebert Unit, Add	6,180.87	
23 81 23 12-0005	EA		8 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type ..... Note: Includes interior unit and remote condenser. Excludes piping.	59,680.79	3,639.70
			For Liebert Unit, Add	6,783.41	
23 81 23 12-0006	EA		10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type ..... Note: Includes interior unit and remote condenser. Excludes piping.	64,819.55	3,853.80
			For Liebert Unit, Add	7,385.95	
23 81 23 12-0007	EA		16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type ..... Note: Includes interior unit and remote condenser. Excludes piping.	72,693.29	4,624.55
			For Liebert Unit, Add	8,214.41	
23 81 23 12-0008	EA		20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type ..... Note: Includes interior unit and remote condenser. Excludes piping.	82,104.64	5,138.40
			For Liebert Unit, Add	9,307.76	
23 81 23 12-0009	EA		22 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type ..... Note: Includes interior unit and remote condenser. Excludes piping.	85,894.50	5,307.88
			For Liebert Unit, Add	9,744.96	
23 81 23 12-0010	EA		24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type ..... Note: Includes interior unit and remote condenser. Excludes piping.	93,467.20	5,480.95
			For Liebert Unit, Add	10,654.59	
23 81 23 12-0011	EA		30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type ..... Note: Includes interior unit and remote condenser. Excludes piping.	101,126.68	6,166.07
			For Liebert Unit, Add	11,494.45	
23 81 23 12-0012			Floor Mounted Chilled Water Type (23 81 23 12) Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.		
23 81 23 12-0013	EA		3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source ..... For Liebert Unit, Add	24,157.98 2,706.78	1,877.79
23 81 23 12-0014	EA		5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source ..... For Liebert Unit, Add	25,969.63 2,899.54	2,080.01
23 81 23 12-0015	EA		12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source ..... For Liebert Unit, Add	32,205.90 3,497.71	3,168.16
23 81 23 12-0016	EA		16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source ..... For Liebert Unit, Add	33,656.63 3,672.15	3,209.90
23 81 23 12-0017	EA		20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source ..... For Liebert Unit, Add	34,952.98 3,810.60	3,338.29
23 81 23 12-0018	EA		22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source ..... For Liebert Unit, Add	35,806.88 3,865.98	3,659.28
23 81 23 12-0019	EA		31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source ..... For Liebert Unit, Add	37,996.26 4,087.49	3,980.27
23 81 23 12-0020			Floor Mounted Water Source (23 81 23 12) Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand. Excludes water source.		
23 81 23 12-0021	EA		3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit ..... For Liebert Unit, Add	18,774.75 2,026.88	1,712.80
23 81 23 12-0022	EA		5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit ..... For Liebert Unit, Add	20,649.61 2,245.16	1,798.44

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0023	EA		6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	26,701.69	1,884.08
			<i>For Liebert Unit, Add</i>	2,985.75	
23 81 23 12-0024	EA		8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	28,781.02	2,055.36
			<i>For Liebert Unit, Add</i>	3,211.82	
23 81 23 12-0025	EA		10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	31,782.30	2,226.64
			<i>For Liebert Unit, Add</i>	3,554.83	
23 81 23 12-0026	EA		12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	33,043.14	2,397.92
			<i>For Liebert Unit, Add</i>	3,679.57	
23 81 23 12-0027	EA		15 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	34,505.13	2,569.19
			<i>For Liebert Unit, Add</i>	3,835.48	
23 81 23 12-0028	EA		20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	35,495.37	2,740.48
			<i>For Liebert Unit, Add</i>	3,929.03	
23 81 23 12-0029	EA		25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	40,619.69	3,254.31
			<i>For Liebert Unit, Add</i>	4,469.53	
<b>23 81 23 12-0030</b>			<b>Floor Mounted Glycol System Type</b> <small>(23 81 23 12)</small>		
			Note: Includes drycoolers, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.		
23 81 23 12-0031	EA		3 Ton Computer Room Air Conditioner, Glycol System Type .....	34,725.89	1,877.79
			<i>For Liebert Unit, Add</i>	4,027.77	
23 81 23 12-0032	EA		5 Ton Computer Room Air Conditioner, Glycol System Type .....	37,393.12	2,080.01
			<i>For Liebert Unit, Add</i>	4,327.47	
23 81 23 12-0033	EA		6 Ton Computer Room Air Conditioner, Glycol System Type .....	57,489.89	2,330.38
			<i>For Liebert Unit, Add</i>	6,797.84	
23 81 23 12-0034	EA		9 Ton Computer Room Air Conditioner, Glycol System Type .....	59,362.05	2,580.76
			<i>For Liebert Unit, Add</i>	6,990.13	
23 81 23 12-0035	EA		10 Ton Computer Room Air Conditioner, Glycol System Type .....	63,548.70	2,831.12
			<i>For Liebert Unit, Add</i>	7,471.73	
23 81 23 12-0036	EA		16 Ton Computer Room Air Conditioner, Glycol System Type .....	76,021.57	3,209.90
			<i>For Liebert Unit, Add</i>	8,965.04	
23 81 23 12-0037	EA		20 Ton Computer Room Air Conditioner, Glycol System Type .....	83,312.02	3,338.29
			<i>For Liebert Unit, Add</i>	9,855.48	
23 81 23 12-0038	EA		22 Ton Computer Room Air Conditioner, Glycol System Type .....	86,439.28	3,659.28
			<i>For Liebert Unit, Add</i>	10,195.03	
23 81 23 12-0039	EA		30 Ton Computer Room Air Conditioner, Glycol System Type .....	105,178.14	3,980.27
			<i>For Liebert Unit, Add</i>	12,485.23	
<b>23 81 23 12-0040</b>			<b>Removal And Reinstallation Of Computer Room Unit</b> <small>(23 81 23 12)</small>		
			Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.		
23 81 23 12-0041	EA		Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit .....	2,567.92	
23 81 23 12-0042	EA		Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit.....	2,139.93	
<b>23 81 23 13</b>			<b>Computer-Room Air-Conditioners, Ceiling Mounted Units</b> <small>(23 81 23)</small>		
<b>23 81 23 13-0001</b>			<b>Ceiling Mounted Packaged Computer Room Air Conditioner</b> <small>(23 81 23 13)</small>		
			Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control.		
23 81 23 13-0002	EA		1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System.....	14,129.26	814.03
			<i>For Liebert Unit, Add</i>	1,613.60	
23 81 23 13-0003	EA		1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System.....	15,642.83	977.60
			<i>For Liebert Unit, Add</i>	1,772.14	
23 81 23 13-0004	EA		2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System.....	17,894.38	1,223.48
			<i>For Liebert Unit, Add</i>	2,007.52	
23 81 23 13-0005	EA		3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System.....	21,966.21	1,427.38
			<i>For Liebert Unit, Add</i>	2,478.29	
23 81 23 13-0006	EA		5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System.....	29,684.52	1,551.40
			<i>For Liebert Unit, Add</i>	3,419.81	
<b>23 81 26</b>			<b>Split-System Air-Conditioners</b> <small>(23 81)</small>		
<b>23 81 26 13</b>			<b>Small-Capacity Split-System Air-Conditioners</b> <small>(23 81 26)</small>		
23 81 26 13-0001			<b>Split System A/C Unit</b> <small>(23 81 26 13)</small>		
			See CSI section 22 07 19 00-0510 for insulation, 23 23 16 00-0001 for piping.		
23 81 26 13-0002			<b>Ductless Split System Air Conditioners</b> <small>(23 81 26 13-0001)</small>		
			Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0025 for ductless heat pumps.		
23 81 26 13-0003			<b>Wall Mounted Ductless Split System Air Conditioners</b> <small>(23 81 26 13-0002)</small>		
23 81 26 13-0004	EA		9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners .....	2,234.33	423.70
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0005	EA		11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner .....	2,424.04	462.22
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0006	EA		17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners .....	3,007.46	513.59
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0007	EA		24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners .....	3,342.38	564.94
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0008	EA		25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners .....	5,041.24	616.30
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0009	EA		29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners .....	5,837.54	641.98
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0010 EA 31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,396.57	684.34
<b>23 81 26 13-0011 Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners</b> <sup>(23 81 26 13-0002)</sup> Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 26 13-0012 EA 7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners..... Note: Includes indoor unit and wireless thermostat.	971.71	205.44
23 81 26 13-0013 EA 9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners..... Note: Includes indoor unit and wireless thermostat.	1,028.66	218.28
23 81 26 13-0014 EA 11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners..... Note: Includes indoor unit and wireless thermostat.	1,086.47	231.12
23 81 26 13-0015 EA 17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners..... Note: Includes indoor unit and wireless thermostat.	1,222.27	243.95
23 81 26 13-0016 EA 24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners..... Note: Includes indoor unit and wireless thermostat.	1,306.64	256.79
23 81 26 13-0017 EA 19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes outdoor unit and refrigerant charge.	2,593.60	308.15
23 81 26 13-0018 EA 25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes outdoor unit and refrigerant charge.	2,867.74	333.83
23 81 26 13-0019 EA 30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes outdoor unit and refrigerant charge.	4,461.56	359.51
<b>23 81 26 13-0020 Suspended Ceiling Mounted Ductless Split System Air Conditioners</b> <sup>(23 81 26 13-0002)</sup> Note: Excludes hangers.		
23 81 26 13-0021 EA 24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,378.29	616.30
23 81 26 13-0022 EA 31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,555.18	735.71
23 81 26 13-0023 EA 39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,944.37	770.37
<b>23 81 26 13-0024 Recessed Ceiling Mounted Ductless Split System Air Conditioners</b> <sup>(23 81 26 13-0002)</sup> Note: Excludes hangers.		
23 81 26 13-0025 EA 11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,354.51	513.59
23 81 26 13-0026 EA 17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,900.24	564.94
23 81 26 13-0027 EA 24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,378.15	667.66
23 81 26 13-0028 EA 32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,212.40	735.71
23 81 26 13-0029 EA 39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,772.98	770.37
<b>23 81 26 13-0030 Ductless Split System Accessories</b> <sup>(23 81 26 13-0002)</sup>		
23 81 26 13-0031 LF 3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0032 LF 4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0033 LF 6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0034 EA 3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0035 EA 4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0036 EA 6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0037 EA 3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0038 EA 4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0039 EA 6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0040 EA 3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0041 EA 4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0042 EA 6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0043 EA 3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0044 EA 4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0045 EA 6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0046 EA 3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0047 EA 4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0048 EA 6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0049 EA 2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0050 EA 3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0051 EA 4" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0052 EA 3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0053 EA 4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0054 EA 6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0055 EA 4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0056 EA 6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers ..... 23 81 26 13-0057 EA 14" Condensing Unit Mounting Blocks With End Caps ..... 23 81 26 13-0058 EA 17" Condensing Unit Mounting Blocks With End Caps ..... 23 81 26 13-0059 EA 36" Condensing Unit Mounting Blocks With End Caps ..... 23 81 26 13-0060 EA End Cap, Set of 4 ..... 23 81 26 13-0061 EA 18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity ..... 23 81 26 13-0062 EA 21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity ..... 23 81 26 13-0063 LF 5/8" ID Condensate Drain Line ..... 23 81 26 13-0064 LF 3/4" ID Condensate Drain Line .....	11.80 14.84 18.20 20.15 32.53 36.92 48.41 76.38 85.15 62.75 73.07 109.50 48.41 76.38 85.15 65.59 91.72 108.51 32.84 40.32 61.82 37.08 48.87 52.79 155.70 176.28 127.21 139.03 178.36 16.16 265.86 282.58 2.35 2.42	1.84 2.02 2.22 3.45 3.79 4.17 6.90 7.59 8.35 7.36 8.10 8.91 6.90 7.59 8.35 11.51 12.65 13.92 2.30 6.90 7.59 6.90 7.59 34.51 36.81 39.11 16.16 69.01 73.62 0.18 0.18

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 81 26 13-0065		<b>Cased A/C Evaporator Coils</b> (23 81 26 13-0001)			
23 81 26 13-0066		<b>Vertical Cased A/C Evaporator Coils</b> (23 81 26 13-0065)			
23 81 26 13-0067	EA	1-1/2 Ton Vertical Cased A/C Evaporator Coil .....	530.71		101.80
23 81 26 13-0068	EA	2 Ton Vertical Cased A/C Evaporator Coil .....	555.13		109.43
23 81 26 13-0069	EA	2-1/2 Ton Vertical Cased A/C Evaporator Coil .....	654.14		117.06
23 81 26 13-0070	EA	3 Ton Vertical Cased A/C Evaporator Coil .....	741.39		124.70
23 81 26 13-0071	EA	3-1/2 Ton Vertical Cased A/C Evaporator Coil .....	851.01		129.79
23 81 26 13-0072	EA	4 Ton Vertical Cased A/C Evaporator Coil .....	944.93		134.88
23 81 26 13-0073	EA	4-1/2 Ton Vertical Cased A/C Evaporator Coil .....	1,015.02		145.06
23 81 26 13-0074	EA	5 Ton Vertical Cased A/C Evaporator Coil .....	1,025.06		152.70
23 81 26 13-0075		<b>"A" Style Horizontal Cased A/C Evaporator Coils</b> (23 81 26 13-0065)			
23 81 26 13-0076	EA	2 Ton "A" Style Horizontal Cased A/C Evaporator Coil .....	640.48		104.34
23 81 26 13-0077	EA	2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil .....	731.95		110.20
23 81 26 13-0078	EA	3 Ton "A" Style Horizontal Cased A/C Evaporator Coil .....	833.70		117.06
23 81 26 13-0079	EA	3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil .....	864.10		121.29
23 81 26 13-0080	EA	4 Ton "A" Style Horizontal Cased A/C Evaporator Coil .....	904.80		127.25
23 81 26 13-0081	EA	4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil .....	918.17		133.86
23 81 26 13-0082	EA	5 Ton "A" Style Horizontal Cased A/C Evaporator Coil .....	931.27		140.48
23 81 26 13-0083		<b>Slab Style Horizontal Cased A/C Evaporator Coils</b> (23 81 26 13-0065)			
23 81 26 13-0084	EA	2 Ton Slab Style Horizontal Cased A/C Evaporator Coil .....	565.90		104.34
23 81 26 13-0085	EA	3 Ton Slab Style Horizontal Cased A/C Evaporator Coil .....	675.37		117.06
23 81 26 13-0086	EA	4 Ton Slab Style Horizontal Cased A/C Evaporator Coil .....	776.57		127.25
23 81 26 13-0087	EA	5 Ton Slab Style Horizontal Cased A/C Evaporator Coil .....	929.96		140.48
23 81 26 16		<b>Large-Capacity Split-System Air-Conditioners</b> (23 81 26)			
23 81 26 16-0001		<b>Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi)</b> (23 81 26 16)			
23 81 26 16-0002		<b>Outdoor Units</b> (23 81 26 16-0001)			
23 81 26 16-0003	EA	6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A) .....	14,454.71		674.08
23 81 26 16-0004	EA	8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A) .....	15,706.62		802.47
23 81 26 16-0005	EA	10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A) .....	17,711.64		962.97
23 81 26 16-0006	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A) .....	21,713.75		995.07
23 81 26 16-0007	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A) .....	28,743.73		1,027.16
23 81 26 16-0008	EA	14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A) .....	29,803.05		1,059.26
23 81 26 16-0009	EA	16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A) .....	30,862.35		1,091.36
23 81 26 16-0010	EA	18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A) .....	32,674.78		1,155.56
23 81 26 16-0011	EA	20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A) .....	34,487.21		1,219.76
23 81 26 16-0012	EA	22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A) .....	38,553.54		1,283.96
23 81 26 16-0013	EA	24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A) .....	42,619.85		1,348.15
23 81 26 16-0014		<b>Indoor Units</b> (23 81 26 16-0001)			
23 81 26 16-0015	EA	6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2) .....	1,565.49		208.65
23 81 26 16-0016	EA	8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2) .....	1,648.62		224.70
23 81 26 16-0017	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2) .....	1,723.24		240.74
23 81 26 16-0018	EA	15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2) .....	1,810.64		256.79
23 81 26 16-0019	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2) .....	1,974.97		304.94
23 81 26 16-0020	EA	24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2) .....	2,219.88		369.14
23 81 26 16-0021	EA	30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2) .....	2,405.71		401.23
23 81 26 16-0022	EA	6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3) .....	2,232.35		229.51
23 81 26 16-0023	EA	8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3) .....	2,314.44		247.16
23 81 26 16-0024	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3) .....	2,443.32		264.82
23 81 26 16-0025	EA	15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3) .....	2,648.72		282.47
23 81 26 16-0026	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3) .....	2,814.19		335.43
23 81 26 16-0027	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3) .....	3,108.51		406.05
23 81 26 16-0028	EA	27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3) .....	3,267.16		423.70
23 81 26 16-0029	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3) .....	3,442.79		441.36
23 81 26 16-0030	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3) .....	3,815.99		485.50
23 81 26 16-0031	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3) .....	4,227.78		534.04
23 81 26 16-0032	EA	54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3) .....	4,581.25		587.45
23 81 26 16-0033	EA	72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E) .....	5,757.63		646.19
23 81 26 16-0034	EA	96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E) .....	6,524.78		710.81
23 81 26 16-0035	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E) .....	2,539.43		264.82
23 81 26 16-0036	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E) .....	2,679.34		282.47
23 81 26 16-0037	EA	18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E) .....	2,847.36		335.43
23 81 26 16-0038	EA	24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E) .....	3,207.17		406.05
23 81 26 16-0039	EA	30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E) .....	3,457.25		441.36
23 81 26 16-0040	EA	36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E) .....	4,202.98		485.50



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0041	EA		6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5).....	2,279.13	229.51
23 81 26 16-0042	EA		8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5).....	2,399.49	247.16
23 81 26 16-0043	EA		12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5).....	2,579.40	264.82
23 81 26 16-0044	EA		15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5).....	2,716.76	282.47
23 81 26 16-0045	EA		8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4).....	2,127.32	247.16
23 81 26 16-0046	EA		12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4).....	2,239.19	264.82
23 81 26 16-0047	EA		15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4).....	2,355.29	282.47
<b>23 81 26 16-0048</b>			<b>Controllers For Outdoor Units (23 81 26 16-0001)</b>		
23 81 26 16-0049	EA		8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1) .....	7,742.21	192.60
23 81 26 16-0050	EA		10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1) .....	8,954.61	224.70
23 81 26 16-0051	EA		13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA) .....	9,899.11	256.79
23 81 26 16-0052	EA		16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA) .....	11,740.89	288.89
23 81 26 16-0053	EA		4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB).....	4,326.54	128.39
23 81 26 16-0054	EA		8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB).....	6,662.05	192.60
23 81 26 16-0055	EA		16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB).....	10,180.18	288.89
<b>23 81 26 16-0056</b>			<b>Energy Recovery Units (23 81 26 16-0001)</b>		
23 81 26 16-0057	EA		36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NEMU-E2-AU).....	5,505.34	192.60
23 81 26 16-0058	EA		39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NEMU-E-BU).....	10,336.31	192.60
23 81 26 16-0059	EA		112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR).....	10,498.31	224.70
23 81 26 16-0060	EA		Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E).....	2,234.67	160.49
23 81 26 16-0061	EA		Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E).....	2,830.11	166.91
23 81 26 16-0062	EA		Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E).....	3,361.77	173.34
23 81 26 16-0063	EA		Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1).....	6,070.93	192.60
<b>23 81 26 16-0064</b>			<b>Piping Specialties (23 81 26 16-0001)</b>		
23 81 26 16-0065	EA		Maintenance Tool Interface (Mitsubishi CMS-MNG-E) .....	756.97	
23 81 26 16-0066	EA		Branch Joint (Mitsubishi CMY-Y102SS-G2).....	203.89	38.66
23 81 26 16-0067	EA		Branch Joint (Mitsubishi CMY-Y102LS-G2).....	203.89	38.66
23 81 26 16-0068	EA		Branch Joint (Mitsubishi CMY-Y202S-G2).....	225.99	40.70
23 81 26 16-0069	EA		Branch Joint (Mitsubishi CMY-Y302S-G2).....	282.94	45.79
23 81 26 16-0070	EA		Header - 4 Branch (Mitsubishi CMY-Y64-G-E).....	370.42	66.13
23 81 26 16-0071	EA		Header - 8 Branch (Mitsubishi CMY-Y68-G-E).....	630.27	132.27
23 81 26 16-0072	EA		Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI) .....	113.36	16.28
23 81 26 16-0073	EA		Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI) .....	128.12	22.38
<b>23 81 26 16-0074</b>			<b>Split System Air Conditioners (Daikin VRV) (23 81 26 16)</b>		
<b>23 81 26 16-0075</b>			<b>Heat Pump Outdoor Units (23 81 26 16-0074)</b>		
23 81 26 16-0076	EA		6 Ton Heat Pump Outdoor Unit (Daikin RXYQ72PBTJ) .....	18,054.70	674.08
23 81 26 16-0077	EA		8 Ton Heat Pump Outdoor Unit (Daikin RXYQ96PBTJ).....	20,216.64	802.47
23 81 26 16-0078	EA		10 Ton Heat Pump Outdoor Unit (Daikin RXYQ120PBTJ).....	22,589.31	962.97
23 81 26 16-0079	EA		12 Ton Heat Pump Outdoor Unit (Daikin RXYQ144PBTJ).....	28,075.80	995.07
23 81 26 16-0080	EA		14 Ton Heat Pump Outdoor Unit (Daikin RXYQ168PBTJ).....	37,436.77	1,059.26
23 81 26 16-0081	EA		16 Ton Heat Pump Outdoor Unit (Daikin RXYQ192PBTJ).....	39,552.64	1,091.36
23 81 26 16-0082	EA		18 Ton Heat Pump Outdoor Unit (Daikin RXYQ216PBTJ).....	41,586.17	1,155.56
23 81 26 16-0083	EA		20 Ton Heat Pump Outdoor Unit (Daikin RXYQ240PBTJ).....	43,766.25	1,219.76
23 81 26 16-0084	EA		22 Ton Heat Pump Outdoor Unit (Daikin RXYQ264PBTJ).....	56,497.85	1,283.96
23 81 26 16-0085	EA		24 Ton Heat Pump Outdoor Unit (Daikin RXYQ288PBTJ).....	58,677.92	1,348.15
23 81 26 16-0086	EA		26 Ton Heat Pump Outdoor Unit (Daikin RXYQ312PBTJ).....	60,857.99	1,412.35
23 81 26 16-0087	EA		28 Ton Heat Pump Outdoor Unit (Daikin RXYQ336PBTJ).....	62,891.52	1,476.55
23 81 26 16-0088	EA		30 Ton Heat Pump Outdoor Unit (Daikin RXYQ360PBTJ).....	65,071.59	1,540.75
<b>23 81 26 16-0089</b>			<b>Heat Recovery Heat Pump Outdoor Units (23 81 26 16-0074)</b>		
23 81 26 16-0090	EA		6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ72PBTJ).....	23,130.74	876.30
23 81 26 16-0091	EA		8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ96PBTJ).....	25,288.13	1,043.21
23 81 26 16-0092	EA		10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ120PBTJ).....	27,856.64	1,251.86
23 81 26 16-0093	EA		12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ144PBTJ).....	34,827.90	1,293.59
23 81 26 16-0094	EA		14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ168PBTJ).....	46,865.24	1,377.04
23 81 26 16-0095	EA		16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ192PBTJ).....	50,465.87	1,418.77
23 81 26 16-0096	EA		18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ216PBTJ).....	52,391.38	1,502.22
23 81 26 16-0097	EA		20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ240PBTJ).....	54,316.87	1,585.69
23 81 26 16-0098	EA		22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ264PBTJ).....	71,263.62	1,669.14
23 81 26 16-0099	EA		24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ288PBTJ).....	73,189.11	1,752.60
23 81 26 16-0100	EA		26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ312PBTJ).....	76,873.20	1,836.05
23 81 26 16-0101	EA		28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ336PBTJ).....	78,798.70	1,919.52
<b>23 81 26 16-0102</b>			<b>Indoor Units (23 81 26 16-0074)</b>		
23 81 26 16-0103	EA		7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ07PVJU) .....	2,163.72	224.70
23 81 26 16-0104	EA		9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ09PVJU).....	2,258.13	231.12
23 81 26 16-0105	EA		12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ12PVJU).....	2,541.46	240.74
23 81 26 16-0106	EA		18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ18PVJU).....	2,871.71	304.94

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0107	EA		24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ24PVJU) .....	3,174.30	369.14
23 81 26 16-0108	EA		7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ07PVJU) .....	3,115.61	247.16
23 81 26 16-0109	EA		9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ09PVJU) .....	3,219.59	254.22
23 81 26 16-0110	EA		12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ12PVJU) .....	3,380.43	141.23
23 81 26 16-0111	EA		18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ18PVJU) .....	3,625.35	335.43
23 81 26 16-0112	EA		24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ24PVJU) .....	4,301.62	406.05
23 81 26 16-0113	EA		30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ30PVJU) .....	4,904.51	441.36
23 81 26 16-0114	EA		36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ36PVJU) .....	5,249.94	485.50
23 81 26 16-0115	EA		48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ48PVJU) .....	5,450.73	534.04
23 81 26 16-0116	EA		7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ07M7VJU).....	3,466.77	247.16
23 81 26 16-0117	EA		9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ09M7VJU).....	3,550.02	254.22
23 81 26 16-0118	EA		12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ12M7VJU).....	3,771.68	264.82
23 81 26 16-0119	EA		18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ18M7VJU).....	4,058.08	335.43
<b>23 81 26 16-0120</b>			<b>Branch Selector Boxes</b> <small>(23 81 26 16-0074)</small>		
23 81 26 16-0121	EA		144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin BSV4Q36PVJU) .....	10,249.99	288.89
23 81 26 16-0122	EA		216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin BSV6Q36PVJU) .....	15,132.14	385.19
23 81 26 16-0123	EA		36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin BSVQ36PVJU) .....	2,067.91	128.39
23 81 26 16-0124	EA		60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ60PVJU) .....	2,800.48	192.60
23 81 26 16-0125	EA		96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ96PVJU) .....	3,508.75	288.89
<b>23 81 26 16-0126</b>			<b>Controllers</b> <small>(23 81 26 16-0074)</small>		
23 81 26 16-0127	EA		Up To 16 Units, Navigation Controller (Daikin BRC1E71).....	706.11	25.68
23 81 26 16-0128	EA		Individual Zone Controller (Daikin BRC2A71) .....	534.68	25.68
23 81 26 16-0129	EA		Up To 16 Groups, Unified ON/OFF Controller (Daikin DCS301C71) .....	953.59	25.68
23 81 26 16-0130	EA		Up To 64 Units, Multizone Controller (Daikin DCS302C71) .....	1,300.60	25.68
23 81 26 16-0131	EA		I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin DCM601A71) .....	12,344.47	308.15
23 81 26 16-0132	EA		I-Touch Manager D3net Plus Adapter (Daikin DCM601A72) .....	2,192.34	25.68
23 81 26 16-0133	EA		24 Volt AC, Wired Thermostat For Split A/C Systems (Daikin DACA-TS1-1) .....	494.52	45.32
<b>23 81 26 16-0134</b>			<b>Energy Recovery Units</b> <small>(23 81 26 16-0074)</small>		
23 81 26 16-0135	EA		300 CFM Energy Recovery Unit (Daikin VAM300GVJU) .....	3,582.39	160.49
23 81 26 16-0136	EA		470 CFM Energy Recovery Unit (Daikin VAM470GVJU) .....	4,621.07	166.91
23 81 26 16-0137	EA		600 CFM Energy Recovery Unit (Daikin VAM600GVJU) .....	5,513.20	173.34
23 81 26 16-0138	EA		1,200 CFM Energy Recovery Unit (Daikin VAM1200GVJU) .....	10,203.95	192.60
<b>23 81 43</b>			<b>Air-Source Unitary Heat Pumps</b> <small>(23 81)</small>		
<b>23 81 43 00-0001</b>			<b>Single Package Thru-Wall Heat Pumps</b> <small>(23 81 43)</small>		
<p>Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 V, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0860 for crane lifting equipment.</p>					
23 81 43 00-0002	EA		1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat .....	1,959.16	208.79
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	240.91	
			<i>For &gt;35 To 70, Deduct</i>	-46.66	
			<i>For &gt;100, Deduct</i>	-108.88	
			<i>For Unit Economizer, Add</i>	258.14	
			<i>For &gt;70 To 100, Deduct</i>	-77.77	
23 81 43 00-0003	EA		1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat .....	2,159.83	222.72
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	263.43	
			<i>For &gt;35 To 70, Deduct</i>	-51.85	
			<i>For &gt;100, Deduct</i>	-120.98	
			<i>For Unit Economizer, Add</i>	285.12	
			<i>For &gt;70 To 100, Deduct</i>	-86.42	
23 81 43 00-0004	EA		1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat .....	3,611.63	222.72
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	394.09	
			<i>For &gt;35 To 70, Deduct</i>	-95.40	
			<i>For &gt;100, Deduct</i>	-222.61	
			<i>For Unit Economizer, Add</i>	488.37	
			<i>For &gt;70 To 100, Deduct</i>	-159.01	
23 81 43 00-0005	EA		2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat .....	3,950.55	222.72
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	219.57	
			<i>For &gt;35 To 70, Deduct</i>	-104.74	
			<i>For &gt;100, Deduct</i>	-244.38	
			<i>For Unit Economizer, Add</i>	534.70	
			<i>For &gt;70 To 100, Deduct</i>	-174.56	
23 81 43 00-0006	EA		2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat .....	4,462.33	236.64
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	241.05	
			<i>For &gt;35 To 70, Deduct</i>	-119.25	
			<i>For &gt;100, Deduct</i>	-278.26	
			<i>For Unit Economizer, Add</i>	605.24	
			<i>For &gt;70 To 100, Deduct</i>	-198.76	
23 81 43 00-0007	EA		3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat .....	4,669.73	250.55
			<i>For &gt;35 To 70, Deduct</i>	-125.48	
			<i>For &gt;100, Deduct</i>	-292.78	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	665.53	
			<i>For Unit Economizer, Add</i>	634.27	
			<i>For &gt;70 To 100, Deduct</i>	-209.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0008	EA		3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,250.64	250.55
			For >35 To 70, Deduct	-142.07	
			For >100, Deduct	-331.49	
			For Low Ambient Protection, 0 Degree F, Add	744.39	
			For Unit Economizer, Add	714.49	
			For >70 To 100, Deduct	-236.78	
23 81 43 00-0009	EA		4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,783.05	264.47
			For >35 To 70, Deduct	-157.62	
			For >100, Deduct	-367.79	
			For Low Ambient Protection, 0 Degree F, Add	815.27	
			For Unit Economizer, Add	788.47	
			For >70 To 100, Deduct	-262.71	
23 81 43 00-0010	EA		5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	6,661.59	306.23
			For >35 To 70, Deduct	-181.47	
			For >100, Deduct	-423.44	
			For Low Ambient Protection, 0 Degree F, Add	939.50	
			For Unit Economizer, Add	908.12	
			For >70 To 100, Deduct	-302.46	
23 81 43 00-0011	EA		7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	12,110.11	361.91
			For >35 To 70, Deduct	-341.17	
			For >100, Deduct	-796.07	
			For Low Ambient Protection, 0 Degree F, Add	1,662.84	
			For Unit Economizer, Add	1,665.91	
			For >70 To 100, Deduct	-568.62	
23 81 43 00-0012	EA		10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	15,588.80	459.34
			For >35 To 70, Deduct	-439.69	
			For >100, Deduct	-1,025.93	
			For Unit Economizer, Add	2,145.13	
			For Low Ambient Protection, 0 Degree F, Add	379.72	
			For >70 To 100, Deduct	-732.81	
23 81 43 00-0013	EA		12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	19,004.62	515.03
			For >35 To 70, Deduct	-539.24	
			For >100, Deduct	-1,258.22	
			For Unit Economizer, Add	2,619.44	
			For Low Ambient Protection, 0 Degree F, Add	437.26	
			For >70 To 100, Deduct	-898.73	
23 81 43 00-0014	EA		15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	23,416.14	584.63
			For >35 To 70, Deduct	-667.82	
			For >100, Deduct	-1,558.26	
			For Unit Economizer, Add	3,232.05	
			For Low Ambient Protection, 0 Degree F, Add	511.44	
			For >70 To 100, Deduct	-1,113.04	
23 81 43 00-0015	EA		20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	31,118.20	626.39
			For >35 To 70, Deduct	-895.96	
			For >100, Deduct	-2,090.58	
			For Unit Economizer, Add	4,306.44	
			For Low Ambient Protection, 0 Degree F, Add	611.85	
			For >70 To 100, Deduct	-1,493.27	
23 81 43 00-0016	EA		25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	37,451.53	682.06
			For >35 To 70, Deduct	-1,082.62	
			For >100, Deduct	-2,526.12	
			For Unit Economizer, Add	5,188.65	
			For Low Ambient Protection, 0 Degree F, Add	701.91	
			For >70 To 100, Deduct	-1,804.37	
23 81 43 00-0017			<b>Single Package Vertical Wall Heat Pumps</b> (23 81 43)		
			Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 V, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0860 for crane lifting equipment.		
23 81 43 00-0018	EA		1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	3,001.25	278.40
23 81 43 00-0019	EA		1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	3,616.90	306.23
23 81 43 00-0020	EA		1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	4,637.52	320.16
23 81 43 00-0021	EA		2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	5,307.15	347.99
23 81 43 00-0022	EA		2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	6,620.28	403.67
23 81 43 00-0023	EA		3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	7,083.47	459.34
23 81 43 00-0024	EA		3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	7,705.14	515.03
23 81 43 00-0025	EA		4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	8,665.58	570.71
23 81 43 00-0026	EA		5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	9,789.64	682.06
23 81 43 00-0027			<b>Heat Pump, Room Air-Conditioners</b> (23 81 43)		
			Note: Includes throwaway filters and supplemental heat.		
23 81 43 00-0028			<b>Heat Pump, Window Unit, Room Air-Conditioners</b> (23 81 43 00-0027)		
23 81 43 00-0029			<b>Heat Pump, Window Unit, Room Air-Conditioners (Friedrich)</b> (23 81 43 00-0028)		
23 81 43 00-0030	EA		10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C).....	1,832.38	134.81
			For >75 To 100, Deduct	-156.28	
			For >100, Deduct	-187.53	
			For >10 To 50, Deduct	-78.14	
			For >50 To 75, Deduct	-109.39	
23 81 43 00-0031	EA		12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C).....	2,057.59	134.81
			For >75 To 100, Deduct	-178.80	
			For >100, Deduct	-214.56	
			For >10 To 50, Deduct	-89.40	
			For >50 To 75, Deduct	-125.16	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0032	EA		17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A).....	2,395.42	134.81
			For >75 To 100, Deduct	-212.58	
			For >100, Deduct	-255.09	
			For >10 To 50, Deduct	-106.29	
			For >50 To 75, Deduct	-148.81	
23 81 43 00-0033	EA		24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D).....	2,770.78	134.81
			For >75 To 100, Deduct	-250.12	
			For >100, Deduct	-300.14	
			For >10 To 50, Deduct	-125.06	
			For >50 To 75, Deduct	-175.08	
23 81 43 00-0034			Heat Pump, Through-The-Wall, Room Air-Conditioners (23 81 43 00-0027) Note: Base unit excludes wall sleeve.		
23 81 43 00-0035			Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 43 00-0034)		
23 81 43 00-0036	EA		9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D).....	1,817.91	96.29
			For >75 To 100, Deduct	-162.53	
			For >100, Deduct	-195.04	
			For >10 To 50, Deduct	-81.27	
			For >50 To 75, Deduct	-113.77	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	299.11	
23 81 43 00-0037	EA		11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A).....	1,817.91	96.29
			For >75 To 100, Deduct	-162.53	
			For >100, Deduct	-195.04	
			For >10 To 50, Deduct	-81.27	
			For >50 To 75, Deduct	-113.77	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	299.11	
<b>23 81 46</b>			<b>Water-Source Unitary Heat Pumps (23 81)</b>		
23 81 46 00-0001			Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps (23 81 46) Note: R410a. Includes rubber isolator hanger brackets. McQuay CCW Series.		
23 81 46 00-0002	EA		7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,466.17	203.60
23 81 46 00-0003	EA		9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,541.81	203.60
23 81 46 00-0004	EA		12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,933.80	223.96
23 81 46 00-0005	EA		19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,093.87	244.31
23 81 46 00-0006	EA		24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,319.47	264.67
23 81 46 00-0007	EA		30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,898.04	285.03
23 81 46 00-0008	EA		36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,989.19	305.39
23 81 46 00-0009	EA		42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	4,349.26	325.74
23 81 46 00-0010	EA		48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	4,642.09	346.11
23 81 46 00-0011	EA		60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	4,724.83	366.47
<b>23 81 49</b>			<b>Split System Heat Pumps (23 81)</b>		
23 81 49 00-0001			Split System Heat Pump (23 81 49) See CSI section 22 07 19 00-0510 for insulation, 23 23 16 00-0001 for piping.		
23 81 49 00-0002			Air Cooled, Outdoor Section (23 81 49 00-0001)		
23 81 49 00-0003	EA		1.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	3,446.28	413.41
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For 16 SEER, Add	817.77	
			For 18 SEER, Add	1,240.75	
			For Low Ambient Protection, 0 Degree F, Add	635.98	
			For Winterstart Control, Add	175.43	
23 81 49 00-0004	EA		2 Ton, 14 SEER, Outdoor Heat Pump Unit.....	3,570.83	459.34
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For 16 SEER, Add	833.71	
			For 18 SEER, Add	1,264.93	
			For Low Ambient Protection, 0 Degree F, Add	662.72	
			For Winterstart Control, Add	184.59	
23 81 49 00-0005	EA		2.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	3,917.17	533.12
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For 16 SEER, Add	901.85	
			For 18 SEER, Add	1,368.33	
			For Low Ambient Protection, 0 Degree F, Add	730.51	
			For Winterstart Control, Add	205.13	
23 81 49 00-0006	EA		3 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,291.80	612.46
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For 16 SEER, Add	975.50	
			For 18 SEER, Add	1,480.06	
			For Low Ambient Protection, 0 Degree F, Add	635.66	
			For Winterstart Control, Add	227.35	
23 81 49 00-0007	EA		3.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,429.76	636.13
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For 16 SEER, Add	1,005.17	
			For 18 SEER, Add	1,525.09	
			For Low Ambient Protection, 0 Degree F, Add	656.84	
			For Winterstart Control, Add	235.01	
23 81 49 00-0008	EA		4 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,911.85	730.78
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For 16 SEER, Add	1,121.69	
			For 18 SEER, Add	1,701.87	
			For Low Ambient Protection, 0 Degree F, Add	725.14	
			For Winterstart Control, Add	259.11	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0009	EA		5 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For 16 SEER, Add For 18 SEER, Add For Winterstart Control, Add For Low Ambient Protection, 0 Degree F, Add	5,579.09 1,284.91 1,949.52 159.14 508.63	803.85
23 81 49 00-0010	EA		7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Winterstart Control, Add For Low Ambient Protection, 0 Degree F, Add	6,633.45 181.89 588.46	898.77
23 81 49 00-0011	EA		10 Ton, 11.1 EER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add	9,116.28 466.41 230.05	1,078.52
23 81 49 00-0012	EA		15 Ton, 10.9 EER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add	11,930.22 528.91 280.69	1,258.28
23 81 49 00-0013	EA		20 Ton, 10.3 EER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add	21,104.80 561.99 384.35	1,348.15
23 81 49 00-0014			<b>Indoor Section, Horizontal Upflow</b> (23 81 49 00-0001) Note: Electric heat. Includes throwaway filters.		
23 81 49 00-0015	EA		2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat For Additional 5 KW Electric Heat, Add	1,161.36 102.33	137.38
23 81 49 00-0016	EA		2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat For Additional 5 KW Electric Heat, Add	1,290.19 111.90	171.15
23 81 49 00-0017	EA		3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat For Additional 5 KW Electric Heat, Add	1,361.99 115.49	206.71
23 81 49 00-0018	EA		3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat For Additional 5 KW Electric Heat, Add	1,816.38 157.41	242.03
23 81 49 00-0019	EA		4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat For Additional 5 KW Electric Heat, Add	1,878.23 160.51	272.84
23 81 49 00-0020	EA		5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat For Additional 5 KW Electric Heat, Add	2,088.73 177.56	313.28
23 81 49 00-0021	EA		7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat For Additional 5 KW Electric Heat, Add	4,375.80 386.22	513.59
23 81 49 00-0022	EA		10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat For Additional 5 KW Electric Heat, Add	6,357.15 577.94	577.78
23 81 49 00-0023	EA		15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat For Additional 5 KW Electric Heat, Add	8,829.94 818.80	641.98
23 81 49 00-0024	EA		20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat For Additional 5 KW Electric Heat, Add	10,057.29 928.68	770.37
23 81 49 00-0025			<b>Ductless Split System Heat Pumps</b> (23 81 49 00-0001) Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.		
23 81 49 00-0026			<b>Wall Mounted Ductless Split System Heat Pumps</b> (23 81 49 00-0025)		
23 81 49 00-0027	EA		9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,405.72	423.70
23 81 49 00-0028	EA		11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,658.83	462.22
23 81 49 00-0029	EA		17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,226.83	513.59
23 81 49 00-0030	EA		24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,706.57	564.94
23 81 49 00-0031	EA		25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,177.77	616.30
23 81 49 00-0032	EA		29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,967.79	641.98
23 81 49 00-0033	EA		31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,537.96	684.34
23 81 49 00-0034			<b>Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps</b> (23 81 49 00-0025) Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0035	EA		7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,009.42	205.44
23 81 49 00-0036	EA		9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,067.23	218.28
23 81 49 00-0037	EA		11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,125.89	231.12
23 81 49 00-0038	EA		17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,274.54	243.95
23 81 49 00-0039	EA		24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,358.06	256.79
23 81 49 00-0040	EA		19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	2,910.67	308.15
23 81 49 00-0041	EA		23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	3,437.60	333.83

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0042	EA		30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	5,495.88	359.51
			Note: Includes outdoor unit and refrigerant charge.		
<b>23 81 49 00-0043</b>			<b>Suspended Ceiling Mounted Ductless Split System Heat Pumps</b> (23 81 49 00-0025)		
			Note: Excludes hangers.		
23 81 49 00-0044	EA		24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps.....	5,515.40	616.30
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0045	EA		17,500 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps.....	6,696.57	735.71
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0046	EA		39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps.....	8,030.06	770.37
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
<b>23 81 49 00-0047</b>			<b>Recessed Ceiling Mounted Ductless Split System Heat Pumps</b> (23 81 49 00-0025)		
			Note: Excludes hangers.		
23 81 49 00-0048	EA		11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	3,697.28	513.59
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0049	EA		17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	4,189.02	564.94
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0050	EA		24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	5,515.26	667.66
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0051	EA		32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	6,353.80	735.71
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0052	EA		39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	7,858.68	770.37
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
<b>23 82 Convection Heating and Cooling Units</b> (23 80)					
<b>23 82 16 Air Coils</b> (23 82)					
<b>23 82 16 11 Hydronic Air Coils</b> (23 82 16)					
<b>23 82 16 11-0001 Chilled Water Cooling Coils</b> (23 82 16 11)			Note: Flanged construction, 16 gauge galvanized steel casing.		
<b>23 82 16 11-0002 2 Row Chilled Water Cooling Coils</b> (23 82 16 11-0001)					
23 82 16 11-0003	EA		12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	707.83	50.90
23 82 16 11-0004	EA		12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,149.57	69.22
23 82 16 11-0005	EA		24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,573.74	108.92
23 82 16 11-0006	EA		24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,945.26	155.75
23 82 16 11-0007	EA		30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,110.24	191.38
23 82 16 11-0008	EA		30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,390.99	232.09
23 82 16 11-0009	EA		30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,597.68	268.74
23 82 16 11-0010	EA		30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,849.90	474.78
23 82 16 11-0011	EA		34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,632.35	180.49
23 82 16 11-0012	EA		34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,184.50	307.32
23 82 16 11-0013	EA		34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,458.23	381.74
23 82 16 11-0014	EA		34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,779.43	461.04
23 82 16 11-0015	EA		34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,074.52	536.87
<b>23 82 16 11-0016 4 Row Chilled Water Cooling Coils</b> (23 82 16 11-0001)					
23 82 16 11-0017	EA		12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	891.37	105.87
23 82 16 11-0018	EA		12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,413.37	152.70
23 82 16 11-0019	EA		24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,980.77	254.49
23 82 16 11-0020	EA		24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,497.54	377.66
23 82 16 11-0021	EA		30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,918.01	463.18
23 82 16 11-0022	EA		30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,485.93	565.98
23 82 16 11-0023	EA		30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,938.57	678.98
23 82 16 11-0024	EA		30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,995.12	790.34
23 82 16 11-0025	EA		34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,335.07	341.12
23 82 16 11-0026	EA		34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,066.92	513.06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0027	EA		34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,448.54	636.22
23 82 16 11-0028	EA		34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,947.65	766.53
23 82 16 11-0029	EA		34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,393.13	896.11
<b>23 82 16 11-0030</b>			<b>6 Row Chilled Water Cooling Coils (23 82 16 11-0001)</b>		
23 82 16 11-0031	EA		12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,241.54	134.37
23 82 16 11-0032	EA		12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,508.70	199.52
23 82 16 11-0033	EA		24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,127.79	340.00
23 82 16 11-0034	EA		24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,942.62	508.98
23 82 16 11-0035	EA		30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,831.10	636.22
23 82 16 11-0036	EA		30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,419.10	782.81
23 82 16 11-0037	EA		30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,156.71	925.32
23 82 16 11-0038	EA		30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,128.34	1,078.32
23 82 16 11-0039	EA		34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,966.39	466.12
23 82 16 11-0040	EA		34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,909.96	699.14
23 82 16 11-0041	EA		34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,502.05	875.45
23 82 16 11-0042	EA		34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,075.00	1,051.66
23 82 16 11-0043	EA		34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,648.17	1,223.49
<b>23 82 16 11-0044</b>			<b>8 Row Chilled Water Cooling Coils (23 82 16 11-0001)</b>		
23 82 16 11-0045	EA		12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,545.88	161.85
23 82 16 11-0046	EA		12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,945.72	248.39
23 82 16 11-0047	EA		24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,979.65	442.82
23 82 16 11-0048	EA		24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,051.79	678.98
23 82 16 11-0049	EA		30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,900.58	848.99
23 82 16 11-0050	EA		30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,726.73	1,017.97
23 82 16 11-0051	EA		30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,541.65	1,130.96
23 82 16 11-0052	EA		30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,966.71	1,311.85
23 82 16 11-0053	EA		34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,424.60	568.02
23 82 16 11-0054	EA		34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,533.61	853.97
23 82 16 11-0055	EA		34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,222.69	1,063.77
23 82 16 11-0056	EA		34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,888.15	1,272.45
23 82 16 11-0057	EA		34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,595.32	1,497.01
<b>23 82 16 11-0058</b>			<b>Hot Water Heating Coils (23 82 16 11)</b>		
			Note: Flanged construction.		
<b>23 82 16 11-0059</b>			<b>1 Row Hot Water Heating Coils (23 82 16 11-0058)</b>		
23 82 16 11-0060	EA		12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction.....	773.27	137.42
			For 10 Fins Per Inch, Add	9.96	
			For 230 PSIG Heavy Duty, Add	182.17	
			For 12 Fins Per Inch, Add	24.91	
23 82 16 11-0061	EA		12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,120.88	176.11
			For 10 Fins Per Inch, Add	15.40	
			For 230 PSIG Heavy Duty, Add	259.28	
			For 12 Fins Per Inch, Add	38.49	
23 82 16 11-0062	EA		24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,390.46	242.28
			For 10 Fins Per Inch, Add	18.11	
			For 230 PSIG Heavy Duty, Add	326.57	
			For 12 Fins Per Inch, Add	45.29	
23 82 16 11-0063	EA		24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,697.57	340.00
			For 10 Fins Per Inch, Add	20.38	
			For 230 PSIG Heavy Duty, Add	407.38	
			For 12 Fins Per Inch, Add	50.95	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0064	EA		30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,946.52	407.19
			For 10 Fins Per Inch, Add	22.64	
			For 230 PSIG Heavy Duty, Add	470.74	
			For 12 Fins Per Inch, Add	56.61	
23 82 16 11-0065	EA		30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,308.62	508.98
			For 10 Fins Per Inch, Add	25.81	
			For 230 PSIG Heavy Duty, Add	563.52	
			For 12 Fins Per Inch, Add	64.53	
23 82 16 11-0066	EA		30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,580.22	564.97
			For 10 Fins Per Inch, Add	28.98	
			For 230 PSIG Heavy Duty, Add	629.15	
			For 12 Fins Per Inch, Add	72.46	
23 82 16 11-0067	EA		30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,155.46	656.89
			For 10 Fins Per Inch, Add	36.74	
			For 230 PSIG Heavy Duty, Add	762.95	
			For 12 Fins Per Inch, Add	91.84	
23 82 16 11-0068	EA		34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,362.40	284.63
			For 10 Fins Per Inch, Add	15.86	
			For 230 PSIG Heavy Duty, Add	329.41	
			For 12 Fins Per Inch, Add	39.65	
23 82 16 11-0069	EA		34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,043.59	427.04
			For 10 Fins Per Inch, Add	23.79	
			For 230 PSIG Heavy Duty, Add	494.12	
			For 12 Fins Per Inch, Add	59.48	
23 82 16 11-0070	EA		34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,076.22	645.90
			For 10 Fins Per Inch, Add	35.69	
			For 230 PSIG Heavy Duty, Add	744.43	
			For 12 Fins Per Inch, Add	89.22	
23 82 16 11-0071	EA		34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,578.77	748.51
			For 10 Fins Per Inch, Add	41.64	
			For 230 PSIG Heavy Duty, Add	865.45	
			For 12 Fins Per Inch, Add	104.09	
23 82 16 11-0072	SF		>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction.....	166.50	37.66
			For 10 Fins Per Inch, Add	1.82	
			For 230 PSIG Heavy Duty, Add	40.83	
			For 12 Fins Per Inch, Add	4.56	
<b>23 82 16 11-0073</b>			<b>2 Row Hot Water Heating Coils (23 82 16 11-0068)</b>		
23 82 16 11-0074	EA		12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,199.76	170.00
			For 10 Fins Per Inch, Add	17.21	
			For 230 PSIG Heavy Duty, Add	273.89	
			For 12 Fins Per Inch, Add	43.02	
23 82 16 11-0075	EA		12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,335.50	225.99
			For 10 Fins Per Inch, Add	17.66	
			For 230 PSIG Heavy Duty, Add	312.34	
			For 12 Fins Per Inch, Add	44.15	
23 82 16 11-0076	EA		24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,833.43	340.00
			For 10 Fins Per Inch, Add	23.10	
			For 230 PSIG Heavy Duty, Add	434.55	
			For 12 Fins Per Inch, Add	57.74	
23 82 16 11-0077	EA		24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,282.78	484.55
			For 10 Fins Per Inch, Add	26.27	
			For 230 PSIG Heavy Duty, Add	553.51	
			For 12 Fins Per Inch, Add	65.66	
23 82 16 11-0078	EA		30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,669.40	598.56
			For 10 Fins Per Inch, Add	29.44	
			For 230 PSIG Heavy Duty, Add	653.64	
			For 12 Fins Per Inch, Add	73.59	
23 82 16 11-0079	EA		30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,926.02	726.83
			For 10 Fins Per Inch, Add	29.44	
			For 230 PSIG Heavy Duty, Add	730.63	
			For 12 Fins Per Inch, Add	73.59	
23 82 16 11-0080	EA		30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,326.90	848.99
			For 10 Fins Per Inch, Add	32.61	
			For 230 PSIG Heavy Duty, Add	835.04	
			For 12 Fins Per Inch, Add	81.51	
23 82 16 11-0081	EA		30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,039.27	986.41
			For 10 Fins Per Inch, Add	41.33	
			For 230 PSIG Heavy Duty, Add	1,005.13	
			For 12 Fins Per Inch, Add	103.32	
23 82 16 11-0082	EA		34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,743.33	425.61
			For 10 Fins Per Inch, Add	17.84	
			For 230 PSIG Heavy Duty, Add	433.78	
			For 12 Fins Per Inch, Add	44.61	
23 82 16 11-0083	EA		34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,617.13	639.38
			For 10 Fins Per Inch, Add	26.77	
			For 230 PSIG Heavy Duty, Add	651.31	
			For 12 Fins Per Inch, Add	66.91	
23 82 16 11-0084	EA		34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,935.39	964.01
			For 10 Fins Per Inch, Add	40.15	
			For 230 PSIG Heavy Duty, Add	979.88	
			For 12 Fins Per Inch, Add	100.37	
23 82 16 11-0085	EA		34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,594.15	1,126.07
			For 10 Fins Per Inch, Add	46.84	
			For 230 PSIG Heavy Duty, Add	1,144.04	
			For 12 Fins Per Inch, Add	117.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 82 16 11-0086 Hot Water Preheat Coils For Multi-Zone Air Handling Units** (23 82 16 11)

Note: 2 Row coils. Coils are sized by air handling unit capacity.

23 82 16 11-0087	EA		3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit .....	966.43	129.29
23 82 16 11-0088	EA		4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit .....	1,201.92	128.27
23 82 16 11-0089	EA		5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit .....	1,454.83	137.42
23 82 16 11-0090	EA		6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit .....	1,680.62	149.64
23 82 16 11-0091	EA		7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit .....	1,694.44	156.76
23 82 16 11-0092	EA		9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit .....	2,026.60	164.91
23 82 16 11-0093	EA		11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit .....	2,113.67	185.27
23 82 16 11-0094	EA		13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit .....	2,340.14	207.66
23 82 16 11-0095	EA		16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit .....	2,647.65	248.39
23 82 16 11-0096	EA		19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit .....	2,876.89	260.60
23 82 16 11-0097	EA		22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit .....	3,629.69	275.87
23 82 16 11-0098	EA		27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit .....	4,648.62	377.66
23 82 16 11-0099	EA		34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit .....	5,829.89	463.18
23 82 16 11-0100	EA		40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit .....	6,738.41	484.55
23 82 16 11-0101	EA		47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit .....	7,912.62	564.97

**23 82 16 12 Steam Air Coils** (23 82 16)

**23 82 16 12-0001 Steam Heating Coils** (23 82 16 12)

Note: Flanged construction.

23 82 16 12-0002	EA		12" x 12" Steam Heating Coils, 1 Row Flanged Construction .....	824.28	95.69
			<i>For 2 Row Coil, Add</i> .....	285.34	
			<i>For 4 Row Coil, Add</i> .....	741.24	
23 82 16 12-0003	EA		12" x 24" Steam Heating Coils, 1 Row Flanged Construction .....	943.70	132.33
			<i>For 2 Row Coil, Add</i> .....	335.99	
			<i>For 4 Row Coil, Add</i> .....	868.66	
23 82 16 12-0004	EA		24" x 30" Steam Heating Coils, 1 Row Flanged Construction .....	1,311.26	237.18
			<i>For 2 Row Coil, Add</i> .....	488.07	
			<i>For 4 Row Coil, Add</i> .....	1,252.60	
23 82 16 12-0005	EA		24" x 48" Steam Heating Coils, 1 Row Flanged Construction .....	1,697.57	340.00
			<i>For 2 Row Coil, Add</i> .....	645.00	
			<i>For 4 Row Coil, Add</i> .....	1,649.87	
23 82 16 12-0006	EA		30" x 48" Steam Heating Coils, 1 Row Flanged Construction .....	1,923.87	407.19
			<i>For 2 Row Coil, Add</i> .....	740.04	
			<i>For 4 Row Coil, Add</i> .....	1,889.28	
23 82 16 12-0007	EA		30" x 60" Steam Heating Coils, 1 Row Flanged Construction .....	2,218.04	508.98
			<i>For 2 Row Coil, Add</i> .....	869.01	
			<i>For 4 Row Coil, Add</i> .....	2,212.16	
23 82 16 12-0008	EA		30" x 72" Steam Heating Coils, 1 Row Flanged Construction .....	2,444.36	564.97
			<i>For 2 Row Coil, Add</i> .....	959.52	
			<i>For 4 Row Coil, Add</i> .....	2,441.85	
23 82 16 12-0009	EA		30" x 84" Steam Heating Coils, 1 Row Flanged Construction .....	2,983.24	659.33
			<i>For 2 Row Coil, Add</i> .....	1,158.69	
			<i>For 4 Row Coil, Add</i> .....	2,953.59	
23 82 16 12-0010	EA		34" x 32" Steam Heating Coils, 1 Row Flanged Construction .....	1,288.04	284.63
			<i>For 2 Row Coil, Add</i> .....	500.28	
			<i>For 4 Row Coil, Add</i> .....	1,275.24	
23 82 16 12-0011	EA		34" x 48" Steam Heating Coils, 1 Row Flanged Construction .....	1,932.06	427.04
			<i>For 2 Row Coil, Add</i> .....	750.42	
			<i>For 4 Row Coil, Add</i> .....	1,912.87	
23 82 16 12-0012	EA		34" x 72" Steam Heating Coils, 1 Row Flanged Construction .....	2,895.94	639.38
			<i>For 2 Row Coil, Add</i> .....	1,124.55	
			<i>For 4 Row Coil, Add</i> .....	2,866.66	
23 82 16 12-0013	EA		34" x 84" Steam Heating Coils, 1 Row Flanged Construction .....	3,383.61	748.51
			<i>For 2 Row Coil, Add</i> .....	1,314.48	
			<i>For 4 Row Coil, Add</i> .....	3,350.60	

**23 82 16 13 Refrigerant Air Coils** (23 82 16)

**23 82 16 13-0001 Direct Expansion Cooling Coils** (23 82 16 13)

Note: Flanged construction 16 gauge galvanized steel casing.

**23 82 16 13-0002 2 Row Direct Expansion Cooling Coils** (23 82 16 13-0001)

23 82 16 13-0003	EA		12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing .....	610.47	76.35
			<i>For 12 Fins Per Inch, Add</i> .....	22.87	
			<i>For 10 Fins Per Inch, Add</i> .....	9.15	
23 82 16 13-0004	EA		12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing .....	1,124.66	104.85
			<i>For 12 Fins Per Inch, Add</i> .....	45.74	
			<i>For 10 Fins Per Inch, Add</i> .....	18.30	
23 82 16 13-0005	EA		24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing .....	1,573.74	164.91
			<i>For 12 Fins Per Inch, Add</i> .....	62.27	
			<i>For 10 Fins Per Inch, Add</i> .....	24.91	
23 82 16 13-0006	EA		24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing .....	1,945.26	237.18
			<i>For 12 Fins Per Inch, Add</i> .....	73.59	
			<i>For 10 Fins Per Inch, Add</i> .....	29.44	
23 82 16 13-0007	EA		30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing .....	2,279.91	290.12
			<i>For 12 Fins Per Inch, Add</i> .....	84.91	
			<i>For 10 Fins Per Inch, Add</i> .....	33.96	
23 82 16 13-0008	EA		30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing .....	2,581.40	351.19
			<i>For 12 Fins Per Inch, Add</i> .....	93.97	
			<i>For 10 Fins Per Inch, Add</i> .....	37.59	
23 82 16 13-0009	EA		30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing .....	2,965.45	407.19
			<i>For 12 Fins Per Inch, Add</i> .....	107.55	
			<i>For 10 Fins Per Inch, Add</i> .....	43.02	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0010	EA		30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,676.18	474.78
			<i>For 12 Fins Per Inch, Add</i>	136.33	
			<i>For 10 Fins Per Inch, Add</i>	54.53	
23 82 16 13-0011	EA		34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,409.24	180.49
			<i>For 12 Fins Per Inch, Add</i>	52.41	
			<i>For 10 Fins Per Inch, Add</i>	20.97	
23 82 16 13-0012	EA		34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,909.01	307.32
			<i>For 12 Fins Per Inch, Add</i>	64.72	
			<i>For 10 Fins Per Inch, Add</i>	25.89	
23 82 16 13-0013	EA		34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,453.48	461.04
			<i>For 12 Fins Per Inch, Add</i>	76.57	
			<i>For 10 Fins Per Inch, Add</i>	30.63	
23 82 16 13-0014	EA		34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,723.37	536.87
			<i>For 12 Fins Per Inch, Add</i>	82.48	
			<i>For 10 Fins Per Inch, Add</i>	32.99	
<b>23 82 16 13-0015 4 Row Direct Expansion Cooling Coils (23 82 16 13-0001)</b>					
23 82 16 13-0016	EA		12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	988.73	105.87
			<i>For 12 Fins Per Inch, Add</i>	38.83	
			<i>For 10 Fins Per Inch, Add</i>	15.53	
23 82 16 13-0017	EA		12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,413.37	152.70
			<i>For 12 Fins Per Inch, Add</i>	55.48	
			<i>For 10 Fins Per Inch, Add</i>	22.19	
23 82 16 13-0018	EA		24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,980.77	254.49
			<i>For 12 Fins Per Inch, Add</i>	73.59	
			<i>For 10 Fins Per Inch, Add</i>	29.44	
23 82 16 13-0019	EA		24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,497.54	377.66
			<i>For 12 Fins Per Inch, Add</i>	87.18	
			<i>For 10 Fins Per Inch, Add</i>	34.87	
23 82 16 13-0020	EA		30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,918.01	463.18
			<i>For 12 Fins Per Inch, Add</i>	99.63	
			<i>For 10 Fins Per Inch, Add</i>	39.85	
23 82 16 13-0021	EA		30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,485.93	565.98
			<i>For 12 Fins Per Inch, Add</i>	117.74	
			<i>For 10 Fins Per Inch, Add</i>	47.10	
23 82 16 13-0022	EA		30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,938.57	678.98
			<i>For 12 Fins Per Inch, Add</i>	129.06	
			<i>For 10 Fins Per Inch, Add</i>	51.63	
23 82 16 13-0023	EA		30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,995.12	790.34
			<i>For 12 Fins Per Inch, Add</i>	120.72	
			<i>For 10 Fins Per Inch, Add</i>	48.29	
23 82 16 13-0024	EA		34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,335.07	341.12
			<i>For 12 Fins Per Inch, Add</i>	82.64	
			<i>For 10 Fins Per Inch, Add</i>	33.06	
23 82 16 13-0025	EA		34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,066.92	513.06
			<i>For 12 Fins Per Inch, Add</i>	102.04	
			<i>For 10 Fins Per Inch, Add</i>	40.81	
23 82 16 13-0026	EA		34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,778.66	902.43
			<i>For 12 Fins Per Inch, Add</i>	148.69	
			<i>For 10 Fins Per Inch, Add</i>	59.48	
23 82 16 13-0027	EA		34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,492.57	1,051.66
			<i>For 12 Fins Per Inch, Add</i>	169.47	
			<i>For 10 Fins Per Inch, Add</i>	67.79	
<b>23 82 16 13-0028 6 Row Direct Expansion Cooling Coils (23 82 16 13-0001)</b>					
23 82 16 13-0029	EA		12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,264.18	133.35
			<i>For 12 Fins Per Inch, Add</i>	49.81	
			<i>For 10 Fins Per Inch, Add</i>	19.93	
23 82 16 13-0030	EA		12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,508.70	199.52
			<i>For 12 Fins Per Inch, Add</i>	55.48	
			<i>For 10 Fins Per Inch, Add</i>	22.19	
23 82 16 13-0031	EA		24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,241.00	340.00
			<i>For 12 Fins Per Inch, Add</i>	78.12	
			<i>For 10 Fins Per Inch, Add</i>	31.25	
23 82 16 13-0032	EA		24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,942.62	508.98
			<i>For 12 Fins Per Inch, Add</i>	96.23	
			<i>For 10 Fins Per Inch, Add</i>	38.49	
23 82 16 13-0033	EA		30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,831.10	636.22
			<i>For 12 Fins Per Inch, Add</i>	127.93	
			<i>For 10 Fins Per Inch, Add</i>	51.17	
23 82 16 13-0034	EA		30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,419.10	782.81
			<i>For 12 Fins Per Inch, Add</i>	142.65	
			<i>For 10 Fins Per Inch, Add</i>	57.06	
23 82 16 13-0035	EA		30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,156.71	925.32
			<i>For 12 Fins Per Inch, Add</i>	165.29	
			<i>For 10 Fins Per Inch, Add</i>	66.12	
23 82 16 13-0036	EA		30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,128.34	1,078.32
			<i>For 12 Fins Per Inch, Add</i>	148.58	
			<i>For 10 Fins Per Inch, Add</i>	59.43	
23 82 16 13-0037	EA		34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,966.39	466.12
			<i>For 12 Fins Per Inch, Add</i>	101.71	
			<i>For 10 Fins Per Inch, Add</i>	40.68	
23 82 16 13-0038	EA		34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,909.96	699.14
			<i>For 12 Fins Per Inch, Add</i>	125.58	
			<i>For 10 Fins Per Inch, Add</i>	50.23	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0039	EA		34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,057.76	1,043.00
			For 12 Fins Per Inch, Add	148.59	
			For 10 Fins Per Inch, Add	59.44	
23 82 16 13-0040	EA		34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,648.17	1,223.49
			For 12 Fins Per Inch, Add	160.06	
			For 10 Fins Per Inch, Add	64.02	
<b>23 82 16 13-0041</b>			<b>8 Row Direct Expansion Cooling Coils (23 82 16 13-0001)</b>		
23 82 16 13-0042	EA		12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,568.52	160.84
			For 12 Fins Per Inch, Add	62.27	
			For 10 Fins Per Inch, Add	24.91	
23 82 16 13-0043	EA		12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,945.72	248.39
			For 12 Fins Per Inch, Add	72.46	
			For 10 Fins Per Inch, Add	28.98	
23 82 16 13-0044	EA		24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,979.65	442.82
			For 12 Fins Per Inch, Add	104.72	
			For 10 Fins Per Inch, Add	41.89	
23 82 16 13-0045	EA		24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,051.79	678.98
			For 12 Fins Per Inch, Add	134.73	
			For 10 Fins Per Inch, Add	53.89	
23 82 16 13-0046	EA		30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,900.58	848.99
			For 12 Fins Per Inch, Add	160.20	
			For 10 Fins Per Inch, Add	64.08	
23 82 16 13-0047	EA		30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,726.73	1,017.97
			For 12 Fins Per Inch, Add	184.54	
			For 10 Fins Per Inch, Add	73.82	
23 82 16 13-0048	EA		30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,541.65	1,130.96
			For 12 Fins Per Inch, Add	213.98	
			For 10 Fins Per Inch, Add	85.59	
23 82 16 13-0049	EA		30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,966.71	1,311.85
			For 12 Fins Per Inch, Add	167.15	
			For 10 Fins Per Inch, Add	66.86	
23 82 16 13-0050	EA		34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,424.60	568.02
			For 12 Fins Per Inch, Add	114.42	
			For 10 Fins Per Inch, Add	45.77	
23 82 16 13-0051	EA		34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,533.61	853.97
			For 12 Fins Per Inch, Add	141.28	
			For 10 Fins Per Inch, Add	56.51	
23 82 16 13-0052	EA		34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,913.85	1,285.28
			For 12 Fins Per Inch, Add	167.16	
			For 10 Fins Per Inch, Add	66.86	
23 82 16 13-0053	EA		34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,595.32	1,497.01
			For 12 Fins Per Inch, Add	180.07	
			For 10 Fins Per Inch, Add	72.03	
<b>23 82 16 14</b>			<b>Electric-Resistance Air Coils (23 82 16)</b>		
23 82 16 14-0001			<b>Standard Electric Slip-In Blast Coil Heater (23 82 16 14)</b>		
23 82 16 14-0002			<b>Electric Slip-In Blast Coil Heater With Open Coil Element (23 82 16 14-0001)</b>		
23 82 16 14-0003	EA		1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	365.41	98.87
23 82 16 14-0004	EA		1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	381.86	106.57
23 82 16 14-0005	EA		2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	401.32	116.84
23 82 16 14-0006	EA		3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	407.86	120.70
23 82 16 14-0007	EA		4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	424.66	128.39
23 82 16 14-0008	EA		5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	443.99	138.67
23 82 16 14-0009	EA		6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	506.38	155.36
23 82 16 14-0010	EA		7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	522.04	163.06
23 82 16 14-0011	EA		8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	534.88	168.20
23 82 16 14-0012	EA		9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	553.64	178.47
23 82 16 14-0013	EA		10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	598.60	188.74
23 82 16 14-0014	EA		12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	635.15	206.71
23 82 16 14-0015	EA		15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	671.48	224.70
23 82 16 14-0016	EA		20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	707.19	242.67
23 82 16 14-0017	EA		30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	883.58	338.96
23 82 16 14-0018	EA		40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,366.86	360.79
23 82 16 14-0019	EA		50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,517.04	413.44
23 82 16 14-0020	EA		60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,766.33	458.37
23 82 16 14-0021	EA		70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,868.68	498.18
23 82 16 14-0022	EA		80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,047.97	546.96
23 82 16 14-0023	EA		90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,440.82	584.20
23 82 16 14-0024	EA		100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,669.14	627.85
23 82 16 14-0025	EA		125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,168.33	677.92
23 82 16 14-0026	EA		150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,545.42	736.99
23 82 16 14-0027			<b>Electric Slip-In Blast Coil Heater With Finned Tubular Element (23 82 16 14-0001)</b>		
23 82 16 14-0028	EA		1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	810.09	141.23
23 82 16 14-0029	EA		2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	850.11	154.07
23 82 16 14-0030	EA		3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	867.24	154.07
23 82 16 14-0031	EA		4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	911.13	169.48
23 82 16 14-0032	EA		5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,197.19	169.48
23 82 16 14-0033	EA		6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,224.60	169.48
23 82 16 14-0034	EA		8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,253.14	188.74
23 82 16 14-0035	EA		9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,288.80	211.86
23 82 16 14-0036	EA		10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,304.21	211.86

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

HUMBOLDT STATE UNIVERSITY

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 82 16 14-0037	EA	15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,512.80		242.67
23 82 16 14-0038	EA	20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,780.02		242.67
23 82 16 14-0039	EA	30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,949.07		282.47
23 82 16 14-0040	EA	40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,581.15		282.47
<b>23 82 19 Fan Coil Units (23 82)</b>					
<b>23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units (23 82 19)</b>					
Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.					
<b>23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil (23 82 19 00-0001)</b>					
23 82 19 00-0003	EA	200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,799.63		164.91
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-51.42		
23 82 19 00-0004	EA	300 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,980.13		192.40
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-54.21		
23 82 19 00-0005	EA	400 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,192.28		216.83
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-56.66		
23 82 19 00-0006	EA	600 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,543.53		248.39
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-59.83		
23 82 19 00-0007	EA	800 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,856.84		260.60
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-104.15		
23 82 19 00-0008	EA	1,000 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,908.54		275.87
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-106.27		
23 82 19 00-0009	EA	1,200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,756.68		299.29
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-109.91		
<b>23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0001)</b>					
23 82 19 00-0011	EA	200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	976.05		164.91
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-51.42		
23 82 19 00-0012	EA	300 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,190.13		192.40
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-54.21		
23 82 19 00-0013	EA	400 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,415.08		216.83
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-56.66		
23 82 19 00-0014	EA	600 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,735.43		248.39
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-59.83		
23 82 19 00-0015	EA	800 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,080.72		261.62
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-104.15		
23 82 19 00-0016	EA	1,000 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,228.37		275.87
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-106.27		
23 82 19 00-0017	EA	1,200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	5,364.37		299.29
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-109.91		
<b>23 82 19 00-0018 Floor Mounted Vertical Fan Coil Units (23 82 19)</b>					
Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.					
<b>23 82 19 00-0019 Vertical Fan Coil Units With Electric Heating Coil (23 82 19 00-0018)</b>					
23 82 19 00-0020	EA	200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,735.66		163.89
		<i>For Thru-Wall Sleeve, Add</i>	120.68		
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-51.42		
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-227.51		
23 82 19 00-0021	EA	300 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,983.32		192.40
		<i>For Thru-Wall Sleeve, Add</i>	131.83		
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-54.21		
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-259.08		
23 82 19 00-0022	EA	400 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,352.20		216.83
		<i>For Thru-Wall Sleeve, Add</i>	141.64		
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-56.66		
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-309.51		
23 82 19 00-0023	EA	600 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,703.44		248.39
		<i>For Thru-Wall Sleeve, Add</i>	154.31		
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-59.83		
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-355.86		
23 82 19 00-0024	EA	800 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	3,048.74		261.62
		<i>For Thru-Wall Sleeve, Add</i>	159.41		
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-104.15		
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-405.11		
23 82 19 00-0025	EA	1,000 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	3,908.54		275.87
		<i>For Thru-Wall Sleeve, Add</i>	165.05		
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-106.27		
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-531.26		
23 82 19 00-0026	EA	1,200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	4,596.76		299.29
		<i>For Thru-Wall Sleeve, Add</i>	174.76		
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-109.91		
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-629.63		
<b>23 82 19 00-0027 Vertical Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0018)</b>					
23 82 19 00-0028	EA	200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,927.56		163.89
		<i>For Thru-Wall Sleeve, Add</i>	120.68		
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-51.42		
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-256.30		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0029	EA		300 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i> <i>For Fan Coil Units Without Cabinet, Deduct</i>	2,175.23 131.83 -54.21 -287.87	192.40
23 82 19 00-0030	EA		400 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i> <i>For Fan Coil Units Without Cabinet, Deduct</i>	2,672.04 141.64 -56.66 -357.49	216.83
23 82 19 00-0031	EA		600 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i> <i>For Fan Coil Units Without Cabinet, Deduct</i>	3,055.26 154.31 -59.83 -408.63	248.39
23 82 19 00-0032	EA		800 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i> <i>For Fan Coil Units Without Cabinet, Deduct</i>	3,400.56 159.41 -104.15 -457.88	261.62
23 82 19 00-0033	EA		1,000 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i> <i>For Fan Coil Units Without Cabinet, Deduct</i>	4,068.45 165.05 -106.27 -555.24	275.87
23 82 19 00-0034	EA		1,200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i> <i>For Fan Coil Units Without Cabinet, Deduct</i>	4,756.68 174.76 -109.91 -653.62	299.29
<b>23 82 19 00-0035</b>			<b>Hi-Wall Chilled Water Fan Coil Units (23 82 19)</b>		
23 82 19 00-0036	EA		9,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-9)..... Note: Include LCD remote and wall bracket.	1,509.78	192.40
23 82 19 00-0037	EA		12,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-12)..... Note: Include LCD remote and wall bracket.	1,699.52	216.83
23 82 19 00-0038	EA		18,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-18)..... Note: Include LCD remote and wall bracket.	2,377.57	248.39
23 82 19 00-0039	EA		24,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-24)..... Note: Include LCD remote and wall bracket.	2,617.79	261.62
23 82 19 00-0040	EA		36,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-36)..... Note: Include LCD remote and wall bracket.	2,794.12	275.87
<b>23 82 19 00-0041</b>			<b>Removal And Reinstallation Of Fan Coil Units (23 82 19)</b>		
			Note: Includes storage and cleaning. Excludes supports.		
23 82 19 00-0042	EA		Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical.....	432.81	
<b>23 82 29</b>			<b>Radiators (23 82)</b>		
<b>23 82 29 00-0001</b>			<b>Demolish Cast Iron Radiators (23 82 29)</b>		
23 82 29 00-0002	LF		Demolish Cast Iron Radiator.....	30.53	
23 82 29 00-0003	EA		Cap Radiator.....	44.25	
<b>23 82 29 00-0004</b>			<b>Cast Iron Radiator (23 82 29)</b>		
23 82 29 00-0005	EA		19" High Cast Iron Radiator Section, Free Standing..... <i>For Wall Support Bracket, Add</i>	49.07 27.22	
23 82 29 00-0006	EA		25" High Cast Iron Radiator Section, Free Standing..... <i>For Wall Support Bracket, Add</i>	70.03 28.55	
23 82 29 00-0007	EA		30" High Cast Iron Radiator Section, Free Standing.....	81.63	
23 82 29 00-0008	EA		36" High Cast Iron Radiator Section, Free Standing.....	103.08	
23 82 29 00-0009	EA		20" High Cast Iron Radiator Section, Recessed With Grille.....	67.78	
<b>23 82 29 00-0010</b>			<b>Radiator Covers (23 82 29)</b>		
			Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.		
23 82 29 00-0011	SF		14 Gauge Stainless Steel Radiator Cover.....	96.96	6.97
23 82 29 00-0012	SF		Primed And Painted, Galvanized Steel Radiator Cover.....	62.37	6.97
<b>23 82 29 00-0013</b>			<b>Radiator Shields (23 82 29)</b>		
23 82 29 00-0014	SF		Stainless Steel Radiator Shield.....	57.52	6.97
23 82 29 00-0015	SF		Primed And Painted, Galvanized Steel Radiator Shield.....	47.12	6.97
<b>23 82 29 00-0016</b>			<b>Removal And Reinstallation Of Radiator (23 82 29)</b>		
			Note: Includes storage and cleaning.		
23 82 29 00-0017	LF		Removal And Reinstallation Of Cast Iron Radiator.....	76.35	
23 82 29 00-0018	LF		Removal And Reinstallation Of Electric Radiator.....	50.90	
<b>23 82 33</b>			<b>Convectors (23 82)</b>		
<b>23 82 33 00-0001</b>			<b>Multi-Fin Convectors For Two-Pipe System (23 82 33)</b>		
			Note: Complete with 6-1/4" deep cabinet enclosure.		
23 82 33 00-0002			20" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 82 Convection Heating and Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0003	EA		20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	457.44	111.97
			<i>For 3 Tubes System, Add</i>	100.72	
			<i>For Metal Trim Strips, Add</i>	56.90	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	43.93	
23 82 33 00-0004	EA		20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	536.81	122.16
			<i>For 3 Tubes System, Add</i>	123.11	
			<i>For Metal Trim Strips, Add</i>	61.52	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	47.02	
23 82 33 00-0005	EA		20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	618.51	144.55
			<i>For 3 Tubes System, Add</i>	139.89	
			<i>For Metal Trim Strips, Add</i>	71.65	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	53.76	
23 82 33 00-0006	EA		20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	739.52	167.96
			<i>For 3 Tubes System, Add</i>	169.77	
			<i>For Metal Trim Strips, Add</i>	82.34	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	60.89	
23 82 33 00-0007	EA		20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	882.15	201.56
			<i>For 3 Tubes System, Add</i>	201.89	
			<i>For Metal Trim Strips, Add</i>	97.60	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	71.07	
23 82 33 00-0008	EA		20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	991.30	221.72
			<i>For 3 Tubes System, Add</i>	229.41	
			<i>For Metal Trim Strips, Add</i>	106.75	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	77.17	
23 82 33 00-0009	EA		20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,154.29	268.74
			<i>For 3 Tubes System, Add</i>	261.53	
			<i>For Metal Trim Strips, Add</i>	128.12	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	91.41	
23 82 33 00-0010	EA		20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,258.40	285.54
			<i>For 3 Tubes System, Add</i>	289.06	
			<i>For Metal Trim Strips, Add</i>	135.75	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	96.50	
23 82 33 00-0011	EA		20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,374.80	319.13
			<i>For 3 Tubes System, Add</i>	312.00	
			<i>For Metal Trim Strips, Add</i>	151.01	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	106.67	
23 82 33 00-0012	EA		20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,517.52	352.73
			<i>For 3 Tubes System, Add</i>	344.12	
			<i>For Metal Trim Strips, Add</i>	166.29	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	116.86	
23 82 33 00-0013	EA		20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,633.92	386.31
			<i>For 3 Tubes System, Add</i>	367.06	
			<i>For Metal Trim Strips, Add</i>	181.55	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	127.03	
23 82 33 00-0014			<b>26" High Multi-Fin Convectors For Two-Pipe System</b> (23 82 33 00-0001)		
23 82 33 00-0015	EA		26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	540.67	147.30
			<i>For 3 Tubes System, Add</i>	111.92	
			<i>For Metal Trim Strips, Add</i>	72.27	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	54.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0016	EA		26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	634.44	171.12
			<i>For 3 Tubes System, Add</i>	132.27	
			<i>For Metal Trim Strips, Add</i>	82.96	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	61.31	
23 82 33 00-0017	EA		26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	766.27	200.95
			<i>For 3 Tubes System, Add</i>	162.79	
			<i>For Metal Trim Strips, Add</i>	96.35	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	70.23	
23 82 33 00-0018	EA		26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	895.76	224.06
			<i>For 3 Tubes System, Add</i>	196.01	
			<i>For Metal Trim Strips, Add</i>	106.72	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	77.15	
23 82 33 00-0019	EA		26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,043.55	251.95
			<i>For 3 Tubes System, Add</i>	233.09	
			<i>For Metal Trim Strips, Add</i>	119.27	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	85.52	
23 82 33 00-0020	EA		26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,165.93	272.92
			<i>For 3 Tubes System, Add</i>	264.87	
			<i>For Metal Trim Strips, Add</i>	128.75	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	91.83	
23 82 33 00-0021	EA		26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,329.69	310.99
			<i>For 3 Tubes System, Add</i>	301.96	
			<i>For Metal Trim Strips, Add</i>	146.09	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	103.39	
23 82 33 00-0022	EA		26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,448.66	330.02
			<i>For 3 Tubes System, Add</i>	333.74	
			<i>For Metal Trim Strips, Add</i>	154.54	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	109.02	
23 82 33 00-0023	EA		26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,568.39	359.85
			<i>For 3 Tubes System, Add</i>	360.23	
			<i>For Metal Trim Strips, Add</i>	167.75	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	117.83	
23 82 33 00-0024	EA		26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,718.87	389.07
			<i>For 3 Tubes System, Add</i>	397.31	
			<i>For Metal Trim Strips, Add</i>	181.11	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	126.74	
23 82 33 00-0025	EA		26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,834.60	415.84
			<i>For 3 Tubes System, Add</i>	423.80	
			<i>For Metal Trim Strips, Add</i>	193.13	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	134.75	
<b>23 82 33 00-0026</b>			<b>32" High Multi-Fin Convectors For Two-Pipe System</b> <small>(23 82 33 00-0001)</small>		
23 82 33 00-0027	EA		32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	623.05	179.17
			<i>For 3 Tubes System, Add</i>	123.11	
			<i>For Metal Trim Strips, Add</i>	87.40	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	64.26	
23 82 33 00-0028	EA		32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	744.06	216.83
			<i>For 3 Tubes System, Add</i>	145.49	
			<i>For Metal Trim Strips, Add</i>	104.51	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	75.68	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0029	EA		32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	895.45	253.47
			<i>For 3 Tubes System, Add</i>	179.06	
			<i>For Metal Trim Strips, Add</i>	121.15	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	86.77	
23 82 33 00-0030	EA		32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,033.35	275.46
			<i>For 3 Tubes System, Add</i>	215.60	
			<i>For Metal Trim Strips, Add</i>	131.20	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	93.47	
23 82 33 00-0031	EA		32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,183.14	297.65
			<i>For 3 Tubes System, Add</i>	256.40	
			<i>For Metal Trim Strips, Add</i>	141.17	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	100.12	
23 82 33 00-0032	EA		32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,315.81	319.13
			<i>For 3 Tubes System, Add</i>	291.36	
			<i>For Metal Trim Strips, Add</i>	151.01	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	106.67	
23 82 33 00-0033	EA		32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,473.28	346.00
			<i>For 3 Tubes System, Add</i>	332.15	
			<i>For Metal Trim Strips, Add</i>	163.29	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	114.86	
23 82 33 00-0034	EA		32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,606.99	368.19
			<i>For 3 Tubes System, Add</i>	367.11	
			<i>For Metal Trim Strips, Add</i>	173.43	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	121.62	
23 82 33 00-0035	EA		32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,726.87	393.04
			<i>For 3 Tubes System, Add</i>	396.25	
			<i>For Metal Trim Strips, Add</i>	184.42	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	128.95	
23 82 33 00-0036	EA		32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,880.00	416.55
			<i>For 3 Tubes System, Add</i>	437.03	
			<i>For Metal Trim Strips, Add</i>	195.40	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	136.27	
23 82 33 00-0037	EA		32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,993.28	436.71
			<i>For 3 Tubes System, Add</i>	466.17	
			<i>For Metal Trim Strips, Add</i>	204.41	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	142.27	
23 82 33 00-0038			<b>Electric Convectors, Floor Standing Units</b> (23 82 33)		
23 82 33 00-0039			<b>4" Deep Electric Convectors</b> (23 82 33 00-0038)		
23 82 33 00-0040	EA		38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units.....	525.52	137.80
23 82 33 00-0041	EA		50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units.....	573.39	137.80
23 82 33 00-0042			<b>6" Deep Electric Convectors</b> (23 82 33 00-0038)		
23 82 33 00-0043	EA		38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units.....	595.49	137.80
23 82 33 00-0044	EA		50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units.....	669.15	137.80
23 82 33 00-0045	EA		62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units.....	733.60	137.80
23 82 33 00-0046	EA		74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units.....	834.88	137.80
<b>23 82 36</b>			<b>Finned-Tube Radiation Heaters</b> (23 82)		
23 82 36 00-0001			<b>Finned Tube Baseboard Units</b> (23 82 36) Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0002			<b>3/4" IPS Steel Tube With Steel Fins</b> (23 82 36 00-0001)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0003	EA		4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	303.98	39.70
			For 90 Degree Corner, Add	48.41	
			For Copper Tube With Aluminum Fins, Add	6.16	
			For Filler Piece, Add	41.41	
			For End Cap, Add	32.97	
			For Valve Enclosure, Add	48.41	
23 82 36 00-0004	EA		6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	399.22	60.05
			For 90 Degree Corner, Add	56.27	
			For Copper Tube With Aluminum Fins, Add	9.23	
			For Filler Piece, Add	49.27	
			For End Cap, Add	38.08	
			For Valve Enclosure, Add	56.27	
23 82 36 00-0005	EA		8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	478.31	79.40
			For 90 Degree Corner, Add	60.90	
			For Copper Tube With Aluminum Fins, Add	12.31	
			For Filler Piece, Add	53.90	
			For End Cap, Add	41.08	
			For Valve Enclosure, Add	60.90	
23 82 36 00-0006	EA		10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	595.91	111.17
			For 90 Degree Corner, Add	73.52	
			For Copper Tube With Aluminum Fins, Add	15.31	
			For Filler Piece, Add	66.52	
			For End Cap, Add	49.29	
			For Valve Enclosure, Add	73.52	
23 82 36 00-0007	EA		12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	713.04	133.56
			For 90 Degree Corner, Add	86.34	
			For Copper Tube With Aluminum Fins, Add	18.22	
			For Filler Piece, Add	79.34	
			For End Cap, Add	57.62	
			For Valve Enclosure, Add	86.34	
23 82 36 00-0008	EA		14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	804.77	142.51
			For 90 Degree Corner, Add	91.44	
			For Copper Tube With Aluminum Fins, Add	21.87	
			For Filler Piece, Add	84.44	
			For End Cap, Add	60.93	
			For Valve Enclosure, Add	91.44	
23 82 36 00-0009	EA		16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	887.29	157.48
			For 90 Degree Corner, Add	99.99	
			For Copper Tube With Aluminum Fins, Add	24.05	
			For Filler Piece, Add	92.99	
			For End Cap, Add	66.49	
			For Valve Enclosure, Add	99.99	
23 82 36 00-0010	EA		18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,012.58	178.15
			For 90 Degree Corner, Add	111.80	
			For Copper Tube With Aluminum Fins, Add	27.70	
			For Filler Piece, Add	104.80	
			For End Cap, Add	74.17	
			For Valve Enclosure, Add	111.80	
23 82 36 00-0011	EA		20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,116.54	195.95
			For 90 Degree Corner, Add	121.99	
			For Copper Tube With Aluminum Fins, Add	30.61	
			For Filler Piece, Add	114.99	
			For End Cap, Add	80.79	
			For Valve Enclosure, Add	121.99	
<b>23 82 36 00-0012</b>			<b>1" IPS Steel Tube With Steel Fins (23 82 36 00-0001)</b>		
23 82 36 00-0013	EA		4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	351.95	39.70
			For 90 Degree Corner, Add	48.41	
			For Copper Tube With Aluminum Fins, Add	8.79	
			For Filler Piece, Add	41.41	
			For End Cap, Add	32.97	
			For Valve Enclosure, Add	48.41	
23 82 36 00-0014	EA		6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	471.18	60.05
			For 90 Degree Corner, Add	56.27	
			For Copper Tube With Aluminum Fins, Add	13.19	
			For Filler Piece, Add	49.27	
			For End Cap, Add	38.08	
			For Valve Enclosure, Add	56.27	
23 82 36 00-0015	EA		8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	574.25	79.40
			For 90 Degree Corner, Add	60.90	
			For Copper Tube With Aluminum Fins, Add	17.59	
			For Filler Piece, Add	53.90	
			For End Cap, Add	41.08	
			For Valve Enclosure, Add	60.90	
23 82 36 00-0016	EA		10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	715.31	111.17
			For 90 Degree Corner, Add	73.54	
			For Copper Tube With Aluminum Fins, Add	21.87	
			For Filler Piece, Add	66.54	
			For End Cap, Add	49.30	
			For Valve Enclosure, Add	73.54	
23 82 36 00-0017	EA		12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	854.86	133.56
			For 90 Degree Corner, Add	86.31	
			For Copper Tube With Aluminum Fins, Add	26.03	
			For Filler Piece, Add	79.31	
			For End Cap, Add	57.60	
			For Valve Enclosure, Add	86.31	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 82 Convection Heating and Cooling Units**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 82 36 00-0018	EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	975.17	142.51
	For 90 Degree Corner, Add	91.44	
	For Copper Tube With Aluminum Fins, Add	31.24	
	For Filler Piece, Add	84.44	
	For End Cap, Add	60.93	
	For Valve Enclosure, Add	91.44	
23 82 36 00-0019	EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	1,074.41	157.48
	For 90 Degree Corner, Add	99.93	
	For Copper Tube With Aluminum Fins, Add	34.36	
	For Filler Piece, Add	92.93	
	For End Cap, Add	66.45	
	For Valve Enclosure, Add	99.93	
23 82 36 00-0020	EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	1,228.43	178.15
	For 90 Degree Corner, Add	111.80	
	For Copper Tube With Aluminum Fins, Add	39.57	
	For Filler Piece, Add	104.80	
	For End Cap, Add	74.17	
	For Valve Enclosure, Add	111.80	
23 82 36 00-0021	EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	1,354.50	195.95
	For 90 Degree Corner, Add	121.86	
	For Copper Tube With Aluminum Fins, Add	43.73	
	For Filler Piece, Add	114.86	
	For End Cap, Add	80.71	
	For Valve Enclosure, Add	121.86	
<b>23 82 36 00-0022</b>	<b>1-1/4" IPS Steel Tube With Steel Fins (23 82 36 00-0001)</b>		
23 82 36 00-0023	EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	399.91	39.70
	For 90 Degree Corner, Add	48.41	
	For Copper Tube With Aluminum Fins, Add	11.43	
	For Filler Piece, Add	41.41	
	For End Cap, Add	32.97	
	For Valve Enclosure, Add	48.41	
23 82 36 00-0024	EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	543.12	60.05
	For 90 Degree Corner, Add	56.27	
	For Copper Tube With Aluminum Fins, Add	17.15	
	For Filler Piece, Add	49.27	
	For End Cap, Add	38.08	
	For Valve Enclosure, Add	56.27	
23 82 36 00-0025	EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	670.17	79.40
	For 90 Degree Corner, Add	60.90	
	For Copper Tube With Aluminum Fins, Add	22.86	
	For Filler Piece, Add	53.90	
	For End Cap, Add	41.08	
	For Valve Enclosure, Add	60.90	
23 82 36 00-0026	EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	834.59	111.17
	For 90 Degree Corner, Add	73.54	
	For Copper Tube With Aluminum Fins, Add	28.43	
	For Filler Piece, Add	66.54	
	For End Cap, Add	49.30	
	For Valve Enclosure, Add	73.54	
23 82 36 00-0027	EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	996.86	133.56
	For 90 Degree Corner, Add	86.31	
	For Copper Tube With Aluminum Fins, Add	33.84	
	For Filler Piece, Add	79.31	
	For End Cap, Add	57.60	
	For Valve Enclosure, Add	86.31	
23 82 36 00-0028	EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	1,145.57	142.51
	For 90 Degree Corner, Add	91.44	
	For Copper Tube With Aluminum Fins, Add	40.61	
	For Filler Piece, Add	84.44	
	For End Cap, Add	60.93	
	For Valve Enclosure, Add	91.44	
23 82 36 00-0029	EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	1,261.85	157.48
	For 90 Degree Corner, Add	99.93	
	For Copper Tube With Aluminum Fins, Add	44.67	
	For Filler Piece, Add	92.93	
	For End Cap, Add	66.45	
	For Valve Enclosure, Add	99.93	
23 82 36 00-0030	EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	1,444.26	178.15
	For 90 Degree Corner, Add	111.80	
	For Copper Tube With Aluminum Fins, Add	51.44	
	For Filler Piece, Add	104.80	
	For End Cap, Add	74.17	
	For Valve Enclosure, Add	111.80	
23 82 36 00-0031	EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	1,593.05	195.95
	For 90 Degree Corner, Add	121.86	
	For Copper Tube With Aluminum Fins, Add	56.86	
	For Filler Piece, Add	114.86	
	For End Cap, Add	80.71	
	For Valve Enclosure, Add	121.86	
<b>23 82 36 00-0032</b>	<b>Electric Baseboard Heating (23 82 36)</b>		
	Note: Includes 24 gauge steel enclosure and heating element		
<b>23 82 36 00-0033</b>	<b>Electric Wall Heating 10" Enclosure (23 82 36 00-0032)</b>		
23 82 36 00-0034	LF Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT .....	150.14	76.56
23 82 36 00-0035	LF Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT .....	152.35	76.56



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 82 36 00-0036			Electric Wall Heating 16" Enclosure <small>(23 82 36 00-0032)</small>		
23 82 36 00-0037	LF		Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT.....	172.23	76.56
23 82 36 00-0038	LF		Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT.....	177.76	76.56

**23 82 39 Unit Heaters** (23 82)

**23 82 39 13 Cabinet Unit Heaters** (23 82 39)

23 82 39 13-0001			Electric Cabinet Unit Heaters <small>(23 82 39 13)</small> Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.		
23 82 39 13-0002			Electric Cabinet Unit Heaters, 35" Cabinet Length <small>(23 82 39 13-0001)</small>		
23 82 39 13-0003	EA		2 KW, 250 CFM, 35" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	2,360.75	174.00
23 82 39 13-0004	EA		3 KW, 250 CFM, 35" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	2,378.41	174.00
23 82 39 13-0005	EA		4 KW, 250 CFM, 35" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	2,396.08	174.00
23 82 39 13-0006	EA		5 KW, 250 CFM, 35" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	2,413.73	174.00
23 82 39 13-0007	EA		6 KW, 250 CFM, 35" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	2,431.40	174.00
23 82 39 13-0008	EA		7 KW, 250 CFM, 35" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	2,449.06	174.00
23 82 39 13-0009	EA		8 KW, 250 CFM, 35" Electric Cabinet Unit Heater .....	2,467.43	174.00
23 82 39 13-0010	EA		For Ceiling Installation of 35" Cabinet Unit Heater, Add.....	232.46	115.54
23 82 39 13-0011			Electric Cabinet Unit Heaters, 45" Cabinet Length <small>(23 82 39 13-0001)</small>		
23 82 39 13-0012	EA		4 KW, 500 CFM, 45" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	2,525.72	208.79
23 82 39 13-0013	EA		6 KW, 500 CFM, 45" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	2,561.05	208.79
23 82 39 13-0014	EA		8 KW, 500 CFM, 45" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	2,596.37	208.79
23 82 39 13-0015	EA		10 KW, 500 CFM, 45" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	2,631.70	208.79
23 82 39 13-0016	EA		12 KW, 500 CFM, 45" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	2,667.02	208.79
23 82 39 13-0017	EA		14 KW, 500 CFM, 45" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	2,702.35	208.79
23 82 39 13-0018	EA		16 KW, 500 CFM, 45" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	2,737.66	208.79
23 82 39 13-0019	EA		For Ceiling Installation of 45" Cabinet Unit Heater, Add.....	278.40	139.20
23 82 39 13-0020			Electric Cabinet Unit Heaters, 58" Cabinet Length <small>(23 82 39 13-0001)</small>		
23 82 39 13-0021	EA		6 KW, 750 CFM, 58" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	3,182.77	278.40
23 82 39 13-0022	EA		8 KW, 750 CFM, 58" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	3,218.08	278.40
23 82 39 13-0023	EA		10 KW, 750 CFM, 58" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	3,253.41	278.40
23 82 39 13-0024	EA		12 KW, 750 CFM, 58" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	3,288.73	278.40
23 82 39 13-0025	EA		14 KW, 750 CFM, 58" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	3,324.06	278.40
23 82 39 13-0026	EA		16 KW, 750 CFM, 58" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	3,359.38	278.40
23 82 39 13-0027	EA		For Ceiling Installation of 58" Cabinet Unit Heater, Add.....	347.99	174.00
23 82 39 13-0028			Electric Cabinet Unit Heaters, 68" Cabinet Length <small>(23 82 39 13-0001)</small>		
23 82 39 13-0029	EA		6 KW, 750 CFM, 68" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	3,769.18	347.99
23 82 39 13-0030	EA		9 KW, 750 CFM, 68" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	3,822.16	347.99
23 82 39 13-0031	EA		12 KW, 750 CFM, 68" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	3,875.14	347.99
23 82 39 13-0032	EA		15 KW, 750 CFM, 68" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	3,928.12	347.99
23 82 39 13-0033	EA		18 KW, 750 CFM, 68" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	3,981.12	347.99
23 82 39 13-0034	EA		21 KW, 750 CFM, 68" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	4,034.10	347.99
23 82 39 13-0035	EA		24 KW, 750 CFM, 68" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	4,087.08	347.99
23 82 39 13-0036	EA		For Ceiling Installation of 68" Cabinet Unit Heater, Add.....	464.92	232.45
23 82 39 13-0037			Electric Cabinet Unit Heaters, 78" Cabinet Length <small>(23 82 39 13-0001)</small>		
23 82 39 13-0038	EA		8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	4,426.22	417.59
23 82 39 13-0039	EA		12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	4,496.87	417.59

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0040	EA		16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	4,567.51	417.59
23 82 39 13-0041	EA		20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	4,638.16	417.59
23 82 39 13-0042	EA		24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	4,708.81	417.59
23 82 39 13-0043	EA		28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	4,779.46	417.59
23 82 39 13-0044	EA		32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	4,850.11	417.59
23 82 39 13-0045	EA		For Ceiling Installation of 78" Cabinet Unit Heater, Add.....	556.78	278.40
<b>23 82 39 13-0046</b>			<b>Removal and Reinstallation of Cabinet Unit Heaters</b> <small>(23 82 39 13)</small> Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047	EA		Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall.....	279.94	
23 82 39 13-0048	EA		Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall .....	483.54	
23 82 39 13-0049	EA		Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling .....	577.19	
23 82 39 13-0050	EA		Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling.....	780.78	
<b>23 82 39 16</b>			<b>Propeller Unit Heaters</b> <small>(23 82 39)</small>		
<b>23 82 39 16-0001</b>			<b>Hydronic Unit Heaters Using Steam Or Hot Water</b> <small>(23 82 39 16)</small> Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
<b>23 82 39 16-0002</b>			<b>Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt</b> <small>(23 82 39 16-0001)</small>		
23 82 39 16-0003	EA		18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	763.95	101.80
23 82 39 16-0004	EA		24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	765.48	101.80
23 82 39 16-0005	EA		36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	853.33	101.80
23 82 39 16-0006	EA		48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,046.56	152.70
23 82 39 16-0007	EA		60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,091.51	152.70
23 82 39 16-0008	EA		72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,158.44	152.70
23 82 39 16-0009	EA		84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,392.01	203.60
23 82 39 16-0010	EA		96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,526.86	203.60
23 82 39 16-0011	EA		108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,612.67	203.60
23 82 39 16-0012	EA		120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,682.14	203.60
23 82 39 16-0013	EA		132 MBH Steam, 95.8 MBH Hot Water, 2,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,900.39	254.49
23 82 39 16-0014	EA		144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,923.90	254.49
23 82 39 16-0015	EA		156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,946.37	254.49
23 82 39 16-0016	EA		180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,075.70	305.39
23 82 39 16-0017	EA		204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,251.41	305.39
23 82 39 16-0018	EA		240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,568.91	356.29
23 82 39 16-0019	EA		280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,205.35	356.29
23 82 39 16-0020	EA		300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,411.26	407.19
23 82 39 16-0021	EA		360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,065.08	407.19
23 82 39 16-0022	EA		Fan Guard For Fan Propelled Steam Unit Heater, Horizontal..... Note: Required only for unit heaters located within 7' of a working surface.	206.68	25.45
<b>23 82 39 16-0023</b>			<b>Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt</b> <small>(23 82 39 16-0001)</small>		
23 82 39 16-0024	EA		41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,106.85	101.80
23 82 39 16-0025	EA		65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,155.37	152.70
23 82 39 16-0026	EA		80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,243.74	152.70
23 82 39 16-0027	EA		101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,529.93	203.60
23 82 39 16-0028	EA		124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,616.76	203.60
23 82 39 16-0029	EA		152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,918.37	305.39
23 82 39 16-0030	EA		173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,051.18	305.39
23 82 39 16-0031	EA		210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,162.54	305.39
23 82 39 16-0032	EA		249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,416.68	356.29
23 82 39 16-0033	EA		283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,548.48	356.29
23 82 39 16-0034	EA		333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,815.10	356.29
23 82 39 16-0035	EA		386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,261.75	458.08
23 82 39 16-0036	EA		496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,148.49	458.08
23 82 39 16-0037	EA		585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,420.24	458.08
23 82 39 16-0038	EA		705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	5,030.79	508.98
23 82 39 16-0039	EA		Fan Guard For Fan Propelled Steam Unit Heater, Vertical..... Note: Required only for unit heaters located within 7' of a working surface.	282.28	25.45
<b>23 82 39 16-0040</b>			<b>Removal and Reinstallation of Propeller Unit Heaters</b> <small>(23 82 39 16)</small> Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 16-0041	EA		Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	610.78	
23 82 39 16-0042	EA		Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	814.37	
<b>23 82 39 19</b>			<b>Wall and Ceiling Unit Heaters</b> <small>(23 82 39)</small>		
<b>23 82 39 19-0001</b>			<b>Electric Unit Heaters</b> <small>(23 82 39 19)</small> Note: May be mounted both vertically and horizontally.		
23 82 39 19-0002	EA		3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt.....	749.88	139.20
23 82 39 19-0003	EA		5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt.....	749.88	139.20
23 82 39 19-0004	EA		7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt.....	996.96	174.00

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 82 39 19-0005	EA		10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt.....	1,149.91	208.79
23 82 39 19-0006	EA		15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt.....	1,659.53	278.40
23 82 39 19-0007	EA		20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt.....	2,377.19	347.99
23 82 39 19-0008	EA		30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	3,237.31	417.59
23 82 39 19-0009	EA		50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	4,646.05	487.19
23 82 39 19-0010	EA		3 KW, 350 CFM Electric Unit Heater - 480 Volt.....	903.15	139.20
23 82 39 19-0011	EA		5 KW, 350 CFM Electric Unit Heater - 480 Volt.....	873.23	139.20
23 82 39 19-0012	EA		7.5 KW, 650 CFM Electric Unit Heater - 480 Volt.....	1,040.77	174.00
23 82 39 19-0013	EA		10 KW, 650 CFM Electric Unit Heater - 480 Volt.....	1,206.90	208.79
23 82 39 19-0014	EA		15 KW, 910 CFM Electric Unit Heater - 480 Volt.....	1,773.51	278.40

23 82 39 19-0015 Electric Ceiling and Wall Heaters (23 82 39 19)

Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016	EA		1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater.....	394.28	87.00
23 82 39 19-0017	EA		1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater.....	459.30	97.44
23 82 39 19-0018	EA		3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater.....	692.93	97.44
23 82 39 19-0019	EA		1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater.....	442.26	87.00
23 82 39 19-0020	EA		1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater.....	535.03	97.44
23 82 39 19-0021	EA		3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater.....	781.88	97.44
23 82 39 19-0022	EA		1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater.....	581.84	114.83
23 82 39 19-0023	EA		3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater.....	1,041.92	121.79
23 82 39 19-0024	EA		4,800/3,600 Watt Recessed Electric Ceiling Heater.....	1,165.39	121.79
23 82 39 19-0025	EA		4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater.....	1,346.91	128.76
23 82 39 19-0026	EA		5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater.....	1,455.32	128.76
23 82 39 19-0027	EA		1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater.....	645.97	114.83
23 82 39 19-0028	EA		3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater.....	1,142.94	121.79
23 82 39 19-0029	EA		4,800/3,600 Watt Surface Mounted Electric Ceiling Heater.....	1,266.41	121.79
23 82 39 19-0030	EA		Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522TDWB).....	522.28	87.00

23 82 39 19-0031 Removal And Reinstallation Of Electric Unit Heaters (23 82 39 19)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 19-0032	EA		Removal And Reinstallation Of Up To 15KW Electric Unit Heater.....	366.49	
23 82 39 19-0033	EA		Removal And Reinstallation Of >15 KW Electric Unit Heater.....	753.38	

23 83 Radiant Heating Units (23 80)

23 83 13 Radiant-Heating Electric Cables (23 83)

23 83 13 13 Radiant-Heating Electric Cables (23 83 13)

23 83 13 13-0001 Self Regulating Heating Cable (23 83 13 13)

23 83 13 13-0002	LF		3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable.....	8.12	0.67
			Note: Tinned copper braid, at 50 Degrees F.		
23 83 13 13-0003	LF		5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable.....	8.69	0.67
			Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0004	LF		8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable.....	9.09	0.67
			Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0005	LF		3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable.....	8.12	0.67
			Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0006	LF		5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable.....	9.65	0.67
			Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0007	LF		8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable.....	10.22	0.67
			Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0008	LF		3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions.....	10.21	0.67
			Note: Tinned copper braid, at 50 Degrees F.		
23 83 13 13-0009	LF		5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions.....	10.47	0.67
			Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0010	LF		8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions.....	10.74	0.67
			Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0011	LF		3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions.....	10.21	0.67
			Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0012	LF		5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions.....	10.47	0.67
			Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0013	LF		8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions.....	10.74	0.67
			Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0014	LF		3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments.....	12.84	0.67
			Note: Tinned copper braid, at 50 Degrees F.		
23 83 13 13-0015	LF		5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments.....	13.36	0.67
			Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0016	LF		8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments.....	13.62	0.67
			Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0017	LF		3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments.....	12.84	0.67
			Note: Tinned copper braid, at 50 degrees F.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 83 Radiant Heating Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 83 13 13-0018	LF		5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments.....	13.36	0.67
			Note: Tinned copper braid, at 50 degrees F		
23 83 13 13-0019	LF		8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments.....	13.62	0.67
			Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0020	EA		Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable.....	237.73	53.06
23 83 13 13-0021	EA		Splice And Tee Kit For Self Regulating Low Temperature Heating Cable .....	237.73	53.06
23 83 13 13-0022	EA		End Seal Kit For Self Regulating Low Temperature Heating Cable .....	150.92	9.65
23 83 13 13-0023	EA		Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable .....	408.76	24.12
23 83 13 13-0024	EA		Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable.....	449.71	24.12

**23 84 Humidity Control Equipment** (23 80)**23 84 13 Humidifiers** (23 84)**23 84 13 16 Wetted-Element Humidifiers** (23 84 13)**23 84 13 16-0001 Electric Steam Humidifiers, Self-Steam Producing** (23 84 13 16)

Note: Electronic modulating duct or air handling unit installation 208V-108V with 12"-72" manifolds included.

23 84 13 16-0002	EA		1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold .....	9,100.56	419.41
23 84 13 16-0003	EA		20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold .....	11,509.78	420.41

**23 84 13 23 Direct-Steam-Injection Humidifiers** (23 84 13)**23 84 13 23-0001 Steam Type Pneumatically Controlled** (23 84 13 23)

Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

23 84 13 23-0002	EA		3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls .....	1,522.11	268.74
			For Electrically Controlled Unit, Add	700.00	
			For Each Additional Manifold, Add	470.21	
23 84 13 23-0003	EA		3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls .....	1,522.11	268.74
			For Electrically Controlled Unit, Add	700.00	
			For Each Additional Manifold, Add	470.21	
23 84 13 23-0004	EA		65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls .....	2,155.98	268.74
			For Electrically Controlled Unit, Add	700.00	
			For Each Additional Manifold, Add	660.37	
23 84 13 23-0005	EA		65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls .....	2,257.77	335.93
			For Electrically Controlled Unit, Add	700.00	
			For Each Additional Manifold, Add	694.30	
23 84 13 23-0006	EA		100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls.....	3,198.24	268.74
			For Electrically Controlled Unit, Add	700.00	
			For Each Additional Manifold, Add	973.04	
23 84 13 23-0007	EA		100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls.....	3,300.03	335.93
			For Electrically Controlled Unit, Add	700.00	
			For Each Additional Manifold, Add	1,006.97	
23 84 13 23-0008	EA		220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls.....	4,928.56	335.93
			For Electrically Controlled Unit, Add	700.00	
			For Each Additional Manifold, Add	1,495.53	
23 84 13 23-0009	EA		220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls.....	5,055.80	420.41
			For Electrically Controlled Unit, Add	700.00	
			For Each Additional Manifold, Add	1,537.95	

**23 84 13 29 Self-Contained Steam Humidifiers** (23 84 13)**23 84 13 29-0001 Residential Humidifiers** (23 84 13 29)

Note: Includes solenoid valve and flow through water supply.

23 84 13 29-0002	EA		Duct Or Furnace Mounted Humidifier, Residential Type .....	454.14	50.90
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**23 84 16 Mechanical Dehumidification Units** (23 84)**23 84 16 16 Indoor, Mechanical Dehumidification Units** (23 84 16)**23 84 16 16-0001 Mechanical Dehumidification Units** (23 84 16 16)

Note: Sized by moisture removal per 24 hours.

23 84 16 16-0002	EA		65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier .....	1,677.99	69.59
23 84 16 16-0003	EA		90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier.....	2,104.39	81.19
23 84 16 16-0004	EA		120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier.....	2,803.78	92.80

**23 84 16 33 Portable Dehumidifiers** (23 84 16)**23 84 16 33-0001 Self Contained Free Standing Unit** (23 84 16 33)

Note: Sized by moisture removal per 24 hours.

23 84 16 33-0002	EA		30 Pint/24 Hour Dehumidifier .....	449.20	150.59
23 84 16 33-0003	EA		50 Pint/24 Hour Dehumidifier .....	523.23	150.59
23 84 16 33-0004	EA		70 Pint/24 Hour Dehumidifier .....	567.65	150.59

**END OF SECTION 23**

		<b>Integrated Automation</b>	<b>25</b>	<b>25</b>
		Integrated Automation Facility Controls	25 50	
		Integrated Automation Control of HVAC	25 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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25 Integrated Automation

25 50 Integrated Automation Facility Controls <sup>(25)</sup>

25 55 Integrated Automation Control of HVAC <sup>(25 50)</sup>  
 See CSI section 23 09 00 00-0000 for Instrumentation And Control For HVAC.

**END OF SECTION 25**

**25 Integrated Automation**

25 50 Integrated Automation Facility Controls

25 55 Integrated Automation Control of HVAC

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**THIS PAGE INTENTIONALLY LEFT BLANK**

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

## 26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels. Electrical equipment and lighting shall conform to California Title 24.

### 26 01 Operation and Maintenance of Electrical Systems <sup>(26)</sup>

#### 26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution <sup>(26 01)</sup>

#### **26 01 10 91 Medium-Voltage Electrical Distribution Restoration <sup>(26 01 10)</sup>**

##### 26 01 10 91-0001 Retrofit Distribution Enclosures <sup>(26 01 10 91)</sup>

Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 91-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C).....	384.47
		Note: 2mm thick, aluminum frame, hinged cover.	
		For Up To 20, Add	81.21
		For >20 To 50, Add	64.96
		For >50 To 100, Add	32.48
26 01 10 91-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C).....	500.90
		Note: 2mm thick, aluminum frame, hinged cover.	
		For Up To 20, Add	110.31
		For >20 To 50, Add	88.25
		For >50 To 100, Add	44.13
26 01 10 91-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C).....	757.03
		Note: 4mm thick, aluminum frame, hinged cover.	
		For Up To 20, Add	174.35
		For >20 To 50, Add	139.48
		For >50 To 100, Add	69.74
26 01 10 91-0005	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO).....	381.15
		Note: 2mm thick, aluminum frame, twist cover.	
		For Up To 20, Add	80.38
		For >20 To 50, Add	64.30
		For >50 To 100, Add	32.15
26 01 10 91-0006	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2) .....	383.20
		Note: 2mm thick, aluminum frame, twist cover.	
		For Up To 20, Add	80.89
		For >20 To 50, Add	64.71
		For >50 To 100, Add	32.36
26 01 10 91-0007	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3) .....	491.42
		Note: 2mm thick, aluminum frame, twist cover.	
		For Up To 20, Add	107.94
		For >20 To 50, Add	86.35
		For >50 To 100, Add	43.18
26 01 10 91-0008	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4) .....	735.98
		Note: 4mm thick, aluminum frame, twist cover.	
		For Up To 20, Add	169.08
		For >20 To 50, Add	135.27
		For >50 To 100, Add	67.63
26 01 10 91-0009	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric V PFR).....	300.65
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		For Up To 20, Add	60.25
		For >20 To 50, Add	48.20
		For >50 To 100, Add	24.10
26 01 10 91-0010	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric V PFR).....	426.39
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		For Up To 20, Add	91.69
		For >20 To 50, Add	73.35
		For >50 To 100, Add	36.67
26 01 10 91-0011	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric V PFR).....	609.75
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		For Up To 20, Add	137.53
		For >20 To 50, Add	110.02
		For >50 To 100, Add	55.01
26 01 10 91-0012	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	555.35
		Note: 4mm thick, aluminum frame, magnetic cover.	
		For Up To 20, Add	123.93
		For >20 To 50, Add	99.14
		For >50 To 100, Add	49.57
26 01 10 91-0013	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	765.71
		Note: 4mm thick, aluminum frame, magnetic cover.	
		For Up To 20, Add	176.52
		For >20 To 50, Add	141.21
		For >50 To 100, Add	70.61
26 01 10 91-0014	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	1,408.24
		Note: 4mm thick, aluminum frame, magnetic cover.	
		For Up To 20, Add	337.15
		For >20 To 50, Add	269.72
		For >50 To 100, Add	134.86

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 01 10 91-0015	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	638.96	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	144.83	
		For >20 To 50, Add	115.86	
		For >50 To 100, Add	57.93	
26 01 10 91-0016	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	943.56	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	220.98	
		For >20 To 50, Add	176.78	
		For >50 To 100, Add	88.39	

**26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution** (26 01)**26 01 20 91 Low-Voltage Electrical Distribution Restoration** (26 01 20)

26 01 20 91-0001		Lock Out/Tag Out Devices <small>(26 01 20 91)</small> Note: Includes the installation and removal of device lock, pad lock and identifying markers. Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.		
26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect .....	34.73	
		Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).		
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter .....	34.73	
		Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).		
26 01 20 91-0004	EA	Lock Out/Tag Out Padlock Device .....	9.65	
26 01 20 91-0005	EA	Lock Out/Tag Out Tags .....	3.05	
26 01 20 91-0006		Existing Circuit Tracing <small>(26 01 20 91)</small>		
26 01 20 91-0007	EA	Motors, Disconnects And Other Single Source Devices, Existing Circuit Tracing Per Device .....	20.06	
26 01 20 91-0008	EA	Lighting, Existing Circuit Tracing Per Circuit .....	20.06	

**26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment** (26 01)**26 01 30 91 Facility Electrical Power Generating and Storing Equipment Restoration** (26 01 30)

26 01 30 91-0001		Emergency Generator Permits <small>(26 01 30 91)</small>		
26 01 30 91-0002		Air Pollution Control Board <small>(26 01 30 91-0001)</small>		
26 01 30 91-0003	EA	APCD Permit To Construct And Operate Emergency Generator .....	3,381.60	

**26 01 50 Operation and Maintenance of Lighting** (26 01)**26 01 50 51 Luminaire Relamping** (26 01 50)

26 01 50 51-0001		Replace Lamps In Existing Fixtures <small>(26 01 50 51)</small> Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0379 for disposal of hazardous lamps.		
26 01 50 51-0002		Halogen Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp .....	40.63	
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp .....	52.21	
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp .....	77.70	
26 01 50 51-0006	EA	60 Watt, PAR38, Halogen Lamp .....	20.38	
26 01 50 51-0007	EA	75 Watt, PAR38, Halogen Lamp .....	20.38	
26 01 50 51-0008	EA	90 Watt, PAR38, Halogen Lamp .....	19.35	
26 01 50 51-0009	EA	100 Watt, PAR38, Halogen Lamp .....	19.35	
26 01 50 51-0010	EA	60 Watt, PAR38, Halogen IR Reflective Lamp .....	22.14	
26 01 50 51-0011	EA	67 Watt, PAR38, Halogen IR Reflective Lamp .....	23.87	
26 01 50 51-0012	EA	70 Watt, PAR38, Halogen IR Reflective Lamp .....	23.43	
26 01 50 51-0013	EA	90 Watt, PAR38, Halogen IR Reflective Lamp .....	24.75	
26 01 50 51-0014	EA	100 Watt, PAR38, Halogen IR Reflective Lamp .....	25.03	
26 01 50 51-0015	EA	12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10) .....	23.76	
26 01 50 51-0016	EA	12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20) .....	23.76	
26 01 50 51-0017	EA	12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25) .....	26.51	
26 01 50 51-0018	EA	12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36) .....	26.51	
26 01 50 51-0019		Incandescent Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0020	EA	100 Watt, Frosted, Interior Incandescent Lamp .....	5.47	
		For Multiple Lamps In Fixture, Deduct	-1.60	
26 01 50 51-0021	EA	150 Watt, Frosted, Interior Incandescent Lamp .....	6.78	
		For Multiple Lamps In Fixture, Deduct	-1.60	
26 01 50 51-0022	EA	200 Watt, Frosted, Interior Incandescent Lamp .....	8.25	
		For Multiple Lamps In Fixture, Deduct	-1.60	
26 01 50 51-0023	EA	300 Watt, PS25, Interior Incandescent Lamp .....	10.10	
		For Multiple Lamps In Fixture, Deduct	-1.60	
26 01 50 51-0024	EA	60 Watt, G25, Clear, Interior Incandescent Lamp .....	7.60	
		For Multiple Lamps In Fixture, Deduct	-1.60	
26 01 50 51-0025	EA	75 Watt, R20, Interior Incandescent Lamp .....	11.99	
		For Multiple Lamps In Fixture, Deduct	-1.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0026    EA    75 Watt, PAR38, Exterior Incandescent Lamp.....	14.58	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.92	
26 01 50 51-0027    EA    100 Watt, PAR38, Exterior Incandescent Lamp.....	13.55	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.92	
26 01 50 51-0028    EA    150 Watt, PAR38, Exterior Incandescent Lamp.....	23.36	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.92	
26 01 50 51-0029    EA    250 Watt, PAR38, Exterior Incandescent Lamp.....	48.09	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.23	
26 01 50 51-0030    EA    300 Watt, PAR56, Exterior Incandescent Lamp.....	55.29	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.23	
<b>26 01 50 51-0031    Exit Light Lamps</b> <small>(26 01 50 51-0001)</small>		
26 01 50 51-0032    EA    Convert Exit Light Lamps To Red LED Lamps.....	91.11	
<i>For Green LED Lamps, Add</i>	25.00	
26 01 50 51-0033    EA    Fluorescent Lamp For Exit Light.....	25.85	
<i>For Multiple Lamps In Fixture, Deduct</i>	-6.39	
26 01 50 51-0034    EA    Lamp Replacement For Emergency Lights On Exit Sign.....	33.17	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.19	
<b>26 01 50 51-0035    Fluorescent Lamps</b> <small>(26 01 50 51-0001)</small>		
26 01 50 51-0036    EA    18", 15 Watt, T8 Fluorescent Lamp.....	9.86	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0037    EA    2', 17 Watt, T8 Fluorescent Lamp.....	11.69	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0038    EA    3', 25 Watt, T8 Fluorescent Lamp.....	13.41	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0039    EA    4', 28 Watt, Rapid Start T8 Fluorescent Lamp.....	14.50	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0040    EA    4', 32 Watt, T8 Fluorescent Lamp.....	12.19	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0041    EA    4', 30 Watt, T8 Fluorescent Lamp.....	16.56	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0042    EA    4', 28 Watt, T8 Fluorescent Lamp.....	14.64	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0043    EA    4', 25 Watt, T8 Fluorescent Lamp.....	14.56	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0044    EA    4', 44 Watt, T8HO Fluorescent Lamp.....	22.83	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0045    EA    8', 59 Watt, T8 Fluorescent Lamp.....	17.64	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0046    EA    18", 15 Watt, T12 Fluorescent Lamp.....	14.46	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0047    EA    2', 20 Watt, T12 Fluorescent Lamp.....	11.16	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0048    EA    3', 30 Watt, T12 Fluorescent Lamp.....	12.54	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0049    EA    4', 34 Watt, T12 Fluorescent Lamp.....	12.60	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0050    EA    4', 40 Watt, T12 Fluorescent Lamp.....	12.36	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0051    EA    8', 60 Watt, T12 Fluorescent Lamp.....	18.06	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0052    EA    8', 75 Watt, T12 Fluorescent Lamp.....	15.40	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0053    EA    8', 95 Watt, Instant Start T12 Fluorescent Lamp.....	21.40	
26 01 50 51-0054    EA    6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp.....	14.63	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0055    EA    8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp.....	12.18	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0056    EA    12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp.....	11.81	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0057    EA    16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp.....	12.98	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0058    EA    32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp.....	21.12	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.19	
26 01 50 51-0059    EA    40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp.....	20.39	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.19	
26 01 50 51-0060    EA    6", 4 Watt, T5 Fluorescent Lamp.....	10.85	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0061    EA    9", 6 Watt, T5 Fluorescent Lamp.....	10.68	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0062    EA    12", 8 Watt, T5 Fluorescent Lamp.....	11.00	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0063    EA    21", 13 Watt, T5 Fluorescent Lamp.....	11.46	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0064    EA    24", 14 Watt, T5 Fluorescent Lamp.....	13.08	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0065    EA    34", 21 Watt, T5 Fluorescent Lamp.....	14.26	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0066    EA    46", 28 Watt, T5 Fluorescent Lamp.....	13.84	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0067    EA    46", 54 Watt, T5HO Fluorescent Lamp.....	15.06	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0068    EA    46", 54 Watt T5 Fluorescent Lamp.....	13.84	
26 01 50 51-0069    EA    5-13 Watt, 2-Pin Compact Fluorescent Lamp.....	8.44	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.60	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0070	EA		9-26 Watt, 4-Pin Compact Fluorescent Lamp .....9.28 <i>For Multiple Lamps In Fixture, Deduct</i>	-1.60	
26 01 50 51-0071	EA		27-55 Watt, 4-Pin Compact Fluorescent Lamp .....18.54 <i>For Multiple Lamps In Fixture, Deduct</i>	-1.60	
26 01 50 51-0072	EA		Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux .....24.32		
26 01 50 51-0073	EA		Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux .....24.32		
26 01 50 51-0074	EA		32 Watt 2D (DoubleD) Fluorescent Lamp, 4-Pin .....44.81		
26 01 50 51-0075	EA		26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp.....16.57		
26 01 50 51-0076	EA		<9 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....7.77		
26 01 50 51-0077	EA		9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....6.93		
26 01 50 51-0078	EA		29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....6.93		
26 01 50 51-0079	EA		33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....24.73		
26 01 50 51-0080	EA		43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....26.84		
26 01 50 51-0081	EA		85 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....49.69		
26 01 50 51-0082	EA		105 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....59.21		
26 01 50 51-0083	EA		200 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....61.15		
26 01 50 51-0084	EA		11 Watt, Screw-In, Compact Fluorescent Reflector Lamps.....23.49		
26 01 50 51-0085	EA		15 Watt, Screw-In, Compact Fluorescent Reflector Lamps.....24.42		
26 01 50 51-0086	EA		20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps.....27.91		
<b>26 01 50 51-0087</b>			<b>Mercury Vapor Lamps</b> (26 01 50 51-0001)		
26 01 50 51-0088	EA		100 Watt, Mercury Vapor Lamp .....35.78		
26 01 50 51-0089	EA		175 Watt, Mercury Vapor Lamp .....32.57		
26 01 50 51-0090	EA		250 Watt, Mercury Vapor Lamp .....30.98		
26 01 50 51-0091	EA		400 Watt, Mercury Vapor Lamp .....37.76		
26 01 50 51-0092	EA		1,000 Watt, Mercury Vapor Lamp .....65.06		
<b>26 01 50 51-0093</b>			<b>Metal Halide Lamps</b> (26 01 50 51-0001)		
26 01 50 51-0094	EA		50 Watt, Pulse Start Metal Halide Lamp .....36.45		
26 01 50 51-0095	EA		70 Watt, Pulse Start Metal Halide Lamp .....34.96		
26 01 50 51-0096	EA		100 Watt, Pulse Start Metal Halide Lamp .....39.69		
26 01 50 51-0097	EA		150 Watt, Pulse Start Metal Halide Lamp .....38.62		
26 01 50 51-0098	EA		175 Watt, Pulse Start Metal Halide Lamp .....38.31		
26 01 50 51-0099	EA		250 Watt, Pulse Start Metal Halide Lamp .....38.52		
26 01 50 51-0100	EA		400 Watt, Pulse Start Metal Halide Lamp .....46.07		
26 01 50 51-0101	EA		1,000 Watt, Pulse Start Metal Halide Lamp .....53.30		
26 01 50 51-0102	EA		1,500 Watt, Pulse Start Metal Halide Lamp .....53.00		
<b>26 01 50 51-0103</b>			<b>High Pressure Sodium Lamps</b> (26 01 50 51-0001)		
26 01 50 51-0104	EA		35 Watt, High Pressure Sodium Lamp .....30.35 <i>For Enclosed And Gasket Light Fixtures, Add</i>	2.46	
26 01 50 51-0105	EA		50 Watt, High Pressure Sodium Lamp .....30.35 <i>For Enclosed And Gasket Light Fixtures, Add</i>	2.46	
26 01 50 51-0106	EA		70 Watt, High Pressure Sodium Lamp .....30.99 <i>For Enclosed And Gasket Light Fixtures, Add</i>	2.46	
26 01 50 51-0107	EA		100 Watt, High Pressure Sodium Lamp .....32.22 <i>For Enclosed And Gasket Light Fixtures, Add</i>	2.46	
26 01 50 51-0108	EA		150 Watt, High Pressure Sodium Lamp .....30.99 <i>For Enclosed And Gasket Light Fixtures, Add</i>	2.46	
26 01 50 51-0109	EA		250 Watt, High Pressure Sodium Lamp .....30.99 <i>For Enclosed And Gasket Light Fixtures, Add</i>	2.46	
26 01 50 51-0110	EA		400 Watt, High Pressure Sodium Lamp .....29.16 <i>For Enclosed And Gasket Light Fixtures, Add</i>	2.46	
26 01 50 51-0111	EA		1,000 Watt, High Pressure Sodium Lamp .....65.85		
<b>26 01 50 51-0112</b>			<b>Low Pressure Sodium Lamps</b> (26 01 50 51-0001)		
26 01 50 51-0113	EA		35 Watt, Low Pressure Sodium Lamp .....74.74		
26 01 50 51-0114	EA		55 Watt, Low Pressure Sodium Lamp .....83.22		
26 01 50 51-0115	EA		70 Watt, Low Pressure Sodium Lamp .....85.13		
26 01 50 51-0116	EA		90 Watt, Low Pressure Sodium Lamp .....87.04		
26 01 50 51-0117	EA		135 Watt, Low Pressure Sodium Lamp .....94.68		
26 01 50 51-0118	EA		180 Watt, Low Pressure Sodium Lamp .....129.06		
<b>26 01 50 51-0119</b>			<b>LED Lamps</b> (26 01 50 51-0001)		
<b>26 01 50 51-0120</b>			<b>LED Lamps, Candelabra Base, CA10</b> (26 01 50 51-0119)		
26 01 50 51-0121	EA		3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star) .....10.67		
<b>26 01 50 51-0122</b>			<b>LED Lamps, Medium Base, A19 Or A21</b> (26 01 50 51-0119)		
26 01 50 51-0123	EA		6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....13.57		
26 01 50 51-0124	EA		11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....13.57		
26 01 50 51-0125	EA		14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....21.35		
26 01 50 51-0126	EA		17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....15.53		
26 01 50 51-0127	EA		18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....26.22		
<b>26 01 50 51-0128</b>			<b>LED Lamps, Medium Base, BR30 Or BR40</b> (26 01 50 51-0119)		
26 01 50 51-0129	EA		9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star) .....18.62		
26 01 50 51-0130	EA		14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star) .....16.97		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 01 50 51-0131	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....		21.34	
26 01 50 51-0132	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....		18.43	
26 01 50 51-0133	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....		23.29	
26 01 50 51-0134	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....		18.43	

**26 01 50 51-0135 LED Lamps, Medium Base, PAR** (26 01 50 51-0119)

26 01 50 51-0136	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star).....		20.18	
26 01 50 51-0137	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star).....		26.22	
26 01 50 51-0138	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....		26.22	
26 01 50 51-0139	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....		25.25	
26 01 50 51-0140	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....		24.27	
26 01 50 51-0141	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....		24.27	
26 01 50 51-0142	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....		43.93	
26 01 50 51-0143	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....		26.22	
26 01 50 51-0144	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....		25.25	
26 01 50 51-0145	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star).....		26.22	
26 01 50 51-0146	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....		26.22	

**26 01 50 51-0147 LED Lamps, GU Base, MR16** (26 01 50 51-0119)

26 01 50 51-0148	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star).....		15.03	
26 01 50 51-0149	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star).....		18.62	
26 01 50 51-0150	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star).....		20.18	

**26 01 50 51-0151 LED Lamps, PL Series** (26 01 50 51-0119)

26 01 50 51-0152	EA	3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23).....		17.83	
26 01 50 51-0153	EA	26 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/827/DIR).....		23.09	
26 01 50 51-0154	EA	26 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/830/DIR).....		18.96	
26 01 50 51-0155	EA	26 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/835/DIR).....		21.54	
26 01 50 51-0156	EA	26 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/840/DIR).....		21.54	
26 01 50 51-0157	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DiRect Series (Green Creative 10.5PLH/930/DIR).....		26.18	
26 01 50 51-0158	EA	13-18 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/827/DIR).....		21.54	
26 01 50 51-0159	EA	13-18 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/830/DIR).....		21.54	
26 01 50 51-0160	EA	13-18 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/835/DIR).....		21.54	
26 01 50 51-0161	EA	13-18 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/840/DIR).....		21.54	
26 01 50 51-0162	EA	26 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 10PLV/827/DIR).....		24.63	
26 01 50 51-0163	EA	26 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 10PLV/830/DIR).....		24.63	
26 01 50 51-0164	EA	26 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 10PLV/835/DIR).....		24.63	
26 01 50 51-0165	EA	26 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 10PLV/840/DIR).....		24.63	
26 01 50 51-0166	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DiRect Series (Green Creative 11PLV/930/DIR).....		23.09	
26 01 50 51-0167	EA	13-18 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/827/DIR).....		23.09	
26 01 50 51-0168	EA	13-18 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/830/DIR).....		23.09	
26 01 50 51-0169	EA	13-18 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/835/DIR).....		24.12	
26 01 50 51-0170	EA	13-18 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/840/DIR).....		24.12	
26 01 50 51-0171	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP).....		24.34	
26 01 50 51-0172	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP).....		24.34	
26 01 50 51-0173	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP).....		24.34	
26 01 50 51-0174	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP).....		24.34	
26 01 50 51-0175	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP).....		25.15	
26 01 50 51-0176	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP).....		25.15	
26 01 50 51-0177	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26).....		25.15	
26 01 50 51-0178	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26).....		25.15	
26 01 50 51-0179	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26).....		25.15	
26 01 50 51-0180	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24).....		25.15	
26 01 50 51-0181	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24).....		25.15	
26 01 50 51-0182	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24).....		25.15	
26 01 50 51-0183	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP).....		33.20	
26 01 50 51-0184	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP).....		33.20	
26 01 50 51-0185	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP).....		33.20	
26 01 50 51-0186	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP).....		31.34	
26 01 50 51-0187	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP).....		31.34	
26 01 50 51-0188	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP).....		31.34	
26 01 50 51-0189	EA	4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898).....		18.92	

**26 01 50 51-0190 HID LED Lamps, Medium Base E26** (26 01 50 51-0119)

26 01 50 51-0191	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26).....		66.89	
26 01 50 51-0192	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26).....		66.89	
26 01 50 51-0193	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26).....		85.95	
26 01 50 51-0194	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26).....		85.95	
26 01 50 51-0195	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026).....		54.59	
26 01 50 51-0196	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026).....		54.59	
26 01 50 51-0197	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026).....		54.59	
26 01 50 51-0198	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026).....		54.59	
26 01 50 51-0199	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026).....		56.65	
26 01 50 51-0200	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026).....		56.65	
26 01 50 51-0201	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026).....		56.65	
26 01 50 51-0202	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026).....		56.65	
26 01 50 51-0203	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026).....		64.89	
26 01 50 51-0204	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026).....		64.89	
26 01 50 51-0205	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026).....		64.89	
26 01 50 51-0206	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026).....		64.89	
26 01 50 51-0207	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026).....		75.20	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 01 50 51-0208	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026)	75.20	
26 01 50 51-0209	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026)	75.20	
26 01 50 51-0210	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026)	75.20	
26 01 50 51-0211	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026)	97.87	
26 01 50 51-0212	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026)	97.87	
26 01 50 51-0213	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026)	97.87	
26 01 50 51-0214	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026)	97.87	
26 01 50 51-0215	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026)	117.45	
26 01 50 51-0216	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026)	117.45	
26 01 50 51-0217	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026)	117.45	
26 01 50 51-0218	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026)	117.45	
26 01 50 51-0219	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026)	130.85	
26 01 50 51-0220	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026)	130.85	
26 01 50 51-0221	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026)	130.85	
26 01 50 51-0222	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026)	130.85	
26 01 50 51-0223	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026)	179.28	
26 01 50 51-0224	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026)	179.28	
26 01 50 51-0225	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026)	179.28	
26 01 50 51-0226	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026)	179.28	
26 01 50 51-0227	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026)	185.46	
26 01 50 51-0228	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026)	185.46	
26 01 50 51-0229	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026)	185.46	
26 01 50 51-0230	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026)	185.46	
26 01 50 51-0231	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026)	221.53	
26 01 50 51-0232	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026)	221.53	
26 01 50 51-0233	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026)	221.53	
26 01 50 51-0234	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026)	221.53	
26 01 50 51-0235	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026)	264.81	
26 01 50 51-0236	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026)	264.81	
26 01 50 51-0237	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	264.81	
26 01 50 51-0238	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	264.81	
26 01 50 51-0239	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED20WPT40KMED-G6)	83.86	
26 01 50 51-0240	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED20WPT50KMED-G6)	91.07	
26 01 50 51-0241	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED27WPT40KMED-G5)	91.07	
26 01 50 51-0242	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED27WPT50KMED-G5)	83.86	
26 01 50 51-0243	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED36WPT40KMED-G5)	106.53	
26 01 50 51-0244	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED36WPT50KMED-G5)	97.25	
26 01 50 51-0245	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED45WPT40KMED-G5)	117.86	
26 01 50 51-0246	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED45WPT50KMED-G5)	116.65	
26 01 50 51-0247	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED54WPT40KMED-G5)	119.41	
26 01 50 51-0248	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED54WPT50KMED-G5)	119.41	
26 01 50 51-0249	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED27WPT40KMED-G7)	70.49	
26 01 50 51-0250	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED27WPT50KMED-G7)	70.49	
26 01 50 51-0251	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED36WPT40KMED-G7)	80.02	
26 01 50 51-0252	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED36WPT50KMED-G7)	80.02	
26 01 50 51-0253	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED45WPT40KMED-G7)	86.36	
26 01 50 51-0254	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED45WPT50KMED-G7)	86.36	
26 01 50 51-0255	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED54WPT40KMED-G7)	95.88	
26 01 50 51-0256	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED54WPT50KMED-G7)	95.88	
26 01 50 51-0257	EA	20 Watt, 4000K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	96.38	
26 01 50 51-0258	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	104.83	
26 01 50 51-0259	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	131.52	
26 01 50 51-0260	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	145.32	
26 01 50 51-0261	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	54.33	
26 01 50 51-0262	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	61.75	
26 01 50 51-0263	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	65.46	
26 01 50 51-0264	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	72.36	
26 01 50 51-0265	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148015-UNV)	87.95	
26 01 50 51-0266	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148020-UNV)	103.81	
26 01 50 51-0267	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148025-UNV)	143.44	
26 01 50 51-0268	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148030-UNV)	151.36	
26 01 50 51-0269	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148035-UNV)	164.05	
26 01 50 51-0270	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148040-UNV)	171.97	
26 01 50 51-0271	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148060-UNV)	249.66	
26 01 50 51-0272	EA	20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-IOD-20W-E26-50K)	63.40	

**26 01 50 51-0273 HID LED Lamps, Mogul Base E39 Or EX39** (26 01 50 51-0119)

26 01 50 51-0274	EA	120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39)	237.00	
26 01 50 51-0275	EA	120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39)	237.00	
26 01 50 51-0276	EA	120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39)	237.00	
26 01 50 51-0277	EA	27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39)	66.89	
26 01 50 51-0278	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R)	66.89	
26 01 50 51-0279	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39)	66.89	
26 01 50 51-0280	EA	45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39)	85.95	
26 01 50 51-0281	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R)	85.95	
26 01 50 51-0282	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39)	85.95	
26 01 50 51-0283	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39)	163.23	
26 01 50 51-0284	EA	80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039)	179.28	
26 01 50 51-0285	EA	80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039)	179.28	
26 01 50 51-0286	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039)	179.28	
26 01 50 51-0287	EA	80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039)	179.28	
26 01 50 51-0288	EA	100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039)	185.46	
26 01 50 51-0289	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039)	185.46	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 01 50 51-0290	EA	100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039) .....	185.46	
26 01 50 51-0291	EA	100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039) .....	185.46	
26 01 50 51-0292	EA	120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039) .....	221.53	
26 01 50 51-0293	EA	120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039) .....	221.53	
26 01 50 51-0294	EA	120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039) .....	221.53	
26 01 50 51-0295	EA	120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039) .....	221.53	
26 01 50 51-0296	EA	150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039) .....	264.81	
26 01 50 51-0297	EA	150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039) .....	264.81	
26 01 50 51-0298	EA	150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039) .....	264.81	
26 01 50 51-0299	EA	150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039) .....	264.81	
26 01 50 51-0300	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5) .....	91.07	
26 01 50 51-0301	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5) .....	91.07	
26 01 50 51-0302	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5) .....	106.53	
26 01 50 51-0303	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5) .....	105.10	
26 01 50 51-0304	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5) .....	117.86	
26 01 50 51-0305	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5) .....	116.65	
26 01 50 51-0306	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5) .....	119.41	
26 01 50 51-0307	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5) .....	115.82	
26 01 50 51-0308	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5) .....	255.95	
26 01 50 51-0309	EA	20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT180/40KMOG-G7) .....	91.04	
26 01 50 51-0310	EA	20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT180/50KMOG-G7) .....	91.04	
26 01 50 51-0311	EA	30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT180/40KMOG-G7) .....	103.86	
26 01 50 51-0312	EA	30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT180/50KMOG-G7) .....	103.86	
26 01 50 51-0313	EA	40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT180/40KMOG-G7) .....	111.57	
26 01 50 51-0314	EA	40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT180/50KMOG-G7) .....	111.57	
26 01 50 51-0315	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7) .....	70.37	
26 01 50 51-0316	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7) .....	70.37	
26 01 50 51-0317	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7) .....	80.02	
26 01 50 51-0318	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7) .....	80.02	
26 01 50 51-0319	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7) .....	86.36	
26 01 50 51-0320	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7) .....	86.36	
26 01 50 51-0321	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7) .....	95.88	
26 01 50 51-0322	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7) .....	95.88	
26 01 50 51-0323	EA	65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39) .....	176.14	
26 01 50 51-0324	EA	80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39) .....	204.37	
26 01 50 51-0325	EA	100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39) .....	244.56	
26 01 50 51-0326	EA	120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39) .....	481.23	
26 01 50 51-0327	EA	150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39) .....	454.20	
26 01 50 51-0328	EA	200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39) .....	481.23	
26 01 50 51-0329	EA	250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39) .....	483.33	
26 01 50 51-0330	EA	24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A) .....	69.89	
26 01 50 51-0331	EA	24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A) .....	69.89	
26 01 50 51-0332	EA	24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A) .....	69.89	
26 01 50 51-0333	EA	100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50) .....	211.12	
26 01 50 51-0334	EA	115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D) .....	284.87	
26 01 50 51-0335	EA	40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K) .....	175.35	
26 01 50 51-0336	EA	100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K) .....	207.35	
26 01 50 51-0337	EA	45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K) .....	88.99	
26 01 50 51-0338	EA	40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K) .....	199.29	

**26 01 50 51-0339 LED Lamps, 2G11 Base** (26 01 50 51-0119)

26 01 50 51-0340	EA	19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR) .....	33.94	
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**26 01 50 51-0341 LED Lamps, GX23 Or G23 Base** (26 01 50 51-0119)

26 01 50 51-0342	EA	5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4) .....	17.06	
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**26 01 50 51-0343 LED Lamps, G24 Base** (26 01 50 51-0119)

26 01 50 51-0344	EA	5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R) .....	21.95	
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**26 01 50 51-0345 LED Tubes (Fluorescent Lamp Replacement)** (26 01 50 51-0119)

26 01 50 51-0346	EA	2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K) .....	30.08	
		<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0347	EA	2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K) .....	38.87	
		<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0348	EA	3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K) .....	32.41	
		<i>For Multiple Lamps In Fixture, Deduct</i>	-2.72	
26 01 50 51-0349	EA	4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K) .....	35.45	
		<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0350	EA	4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K) .....	38.75	
		<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0351	EA	4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN) .....	24.74	
		<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0352	EA	2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN) .....	23.77	
		<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0353	EA	2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF) .....	21.73	
		<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 01 50 51-0354	EA	3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF) .....	22.15		
		<i>For Multiple Lamps In Fixture, Deduct</i>	-2.72		
26 01 50 51-0355	EA	4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF) .....	22.20		
		<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87		
26 01 50 51-0356	EA	4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF) .....	22.98		
		<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87		
<b>26 01 50 51-0357</b>		<b>Filament LED Lamps</b> <small>(26 01 50 51-0119)</small>			
26 01 50 51-0358	EA	7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827) .....	20.23		
26 01 50 51-0359	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R) .....	20.23		
26 01 50 51-0360	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827) .....	19.20		
26 01 50 51-0361	EA	4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A) .....	19.20		
26 01 50 51-0362	EA	4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827) .....	20.85		
26 01 50 51-0363	EA	4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A) .....	20.85		
26 01 50 51-0364	EA	3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827) .....	17.14		
26 01 50 51-0365	EA	3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26) .....	17.14		
26 01 50 51-0366	EA	3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A) .....	17.75		
26 01 50 51-0367	EA	3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A) .....	22.29		
26 01 50 51-0368	EA	4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521) .....	16.56		
<b>26 01 50 51-0369</b>		<b>Other Lamps</b> <small>(26 01 50 51-0119)</small>			
26 01 50 51-0370	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1) .....	19.03		
26 01 50 51-0371	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM) .....	19.03		
26 01 50 51-0372	EA	11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM) .....	19.03		
26 01 50 51-0373	EA	12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1) .....	20.06		
26 01 50 51-0374	EA	13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1) .....	20.06		
26 01 50 51-0375	EA	8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1) .....	20.06		
<b>26 01 50 51-0376</b>		<b>LED Lamps, Light Engines, Round, LER Series</b> <small>(26 01 50 51-0119)</small>			
26 01 50 51-0377	EA	5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730) .....	40.12		
26 01 50 51-0378	EA	9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U) .....	23.83		
<b>26 01 50 51-0379</b>		<b>Recycle Hazardous Lamps</b> <small>(26 01 50 51)</small>			
		Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.			
26 01 50 51-0380	EA	Recycle 2' Length Linear Fluorescent Lamps .....	0.32		
26 01 50 51-0381	EA	Recycle 3' Length Linear Fluorescent Lamps .....	0.49		
26 01 50 51-0382	EA	Recycle 4' Length Linear Fluorescent Lamps .....	0.65		
26 01 50 51-0383	EA	Recycle 6' Length Linear Fluorescent Lamps .....	0.97		
26 01 50 51-0384	EA	Recycle 8' Length Linear Fluorescent Lamps .....	1.29		
26 01 50 51-0385	EA	Recycle Compact Fluorescent Lamps .....	0.58		
26 01 50 51-0386	EA	Recycle U-Shaped Or Circular Fluorescent Lamps .....	0.58		
26 01 50 51-0387	EA	Recycle High Intensity Discharge (HID) Lamps .....	2.02		
<b>26 01 50 52</b>		<b>Ballasts Replacement</b> <small>(26 01 50)</small>			
<b>26 01 50 52-0001</b>		<b>Lighting Ballasts</b> <small>(26 01 50 52)</small>			
		Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.			
<b>26 01 50 52-0002</b>		<b>Fluorescent Ballasts</b> <small>(26 01 50 52-0001)</small>			
<b>26 01 50 52-0003</b>		<b>T5 Fluorescent Ballasts</b> <small>(26 01 50 52-0002)</small>			
<b>26 01 50 52-0004</b>		<b>T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0003)</small>			
		Note: Includes 120/277 Volt and normal ballast factor.			
<b>26 01 50 52-0005</b>		<b>14 Watt, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0004)</small>			
26 01 50 52-0006	EA	1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast .....	87.72		19.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81		
		<i>For High Ballast Factor, Add</i>	4.80		
26 01 50 52-0007	EA	2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast .....	92.55		24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26		
		<i>For High Ballast Factor, Add</i>	4.80		
<b>26 01 50 52-0008</b>		<b>21 Watt, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0004)</small>			
26 01 50 52-0009	EA	1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast .....	87.72		19.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81		
		<i>For High Ballast Factor, Add</i>	4.80		
26 01 50 52-0010	EA	2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast .....	92.55		24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26		
		<i>For High Ballast Factor, Add</i>	4.80		
<b>26 01 50 52-0011</b>		<b>28 Watt, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0004)</small>			
26 01 50 52-0012	EA	1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast .....	87.72		19.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81		
		<i>For High Ballast Factor, Add</i>	4.80		
26 01 50 52-0013	EA	2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast .....	92.55		24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26		
		<i>For High Ballast Factor, Add</i>	4.80		

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST		DEMOLITION UNIT COST
26 01 50 52-0014	<b>35 Watt, T5 Fluorescent Electronic Ballasts</b> (26 01 50 52-0004)			
26 01 50 52-0015	EA 1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	87.72		19.36
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81		
26 01 50 52-0016	EA 2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	92.55		24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26		
26 01 50 52-0017	<b>54 Watt, T5 Fluorescent Electronic Ballasts</b> (26 01 50 52-0004)			
26 01 50 52-0018	EA 1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	87.62		19.36
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81		
26 01 50 52-0019	EA 2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	92.45		24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26		
26 01 50 52-0020	EA 3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	126.00		29.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.71		
26 01 50 52-0021	EA 4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	130.84		33.87
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16		
26 01 50 52-0022	<b>High-Output, T5HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0003)			
	Note: Includes 120/277 Volt and normal ballast factor.			
26 01 50 52-0023	<b>12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0022)			
26 01 50 52-0024	EA 1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	74.09		19.36
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81		
26 01 50 52-0025	EA 2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	78.92		24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26		
26 01 50 52-0026	<b>24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0022)			
26 01 50 52-0027	EA 1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	95.88		19.36
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81		
26 01 50 52-0028	EA 2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	100.71		24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26		
26 01 50 52-0029	<b>39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0022)			
26 01 50 52-0030	EA 1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	95.88		19.36
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81		
26 01 50 52-0031	EA 2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	100.71		24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26		
26 01 50 52-0032	<b>54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0022)			
26 01 50 52-0033	EA 1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	74.09		19.36
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81		
26 01 50 52-0034	EA 2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	78.92		24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26		
26 01 50 52-0035	<b>Dimming, T5 Fluorescent Electronic Ballasts</b> (26 01 50 52-0003)			
26 01 50 52-0036	<b>Step Dimming, T5 Fluorescent Electronic Ballasts</b> (26 01 50 52-0035)			
	Note: Includes 120/277 Volt and normal ballast factor.			
26 01 50 52-0037	<b>28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast</b> (26 01 50 52-0036)			
26 01 50 52-0038	EA 2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast.....	88.06		24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26		
26 01 50 52-0039	<b>Dimming To 5%, T5 Fluorescent Electronic Ballasts</b> (26 01 50 52-0035)			
	Note: Includes 120/277 Volt and normal ballast factor.			
26 01 50 52-0040	<b>54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0039)			
26 01 50 52-0041	EA 1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast.....	302.35		19.36
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81		
26 01 50 52-0042	EA 2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast.....	298.94		24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26		
26 01 50 52-0043	<b>T8 Fluorescent Ballasts</b> (26 01 50 52-0002)			
26 01 50 52-0044	<b>T8 Fluorescent Electronic Ballasts</b> (26 01 50 52-0043)			
	Note: Includes 120/277 Volt and low or normal ballast factor.			
26 01 50 52-0045	<b>17 Watt, T8 Fluorescent Electronic Ballasts</b> (26 01 50 52-0044)			
26 01 50 52-0046	EA 1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	40.23		19.36
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81		
	<i>For High Ballast Factor, Add</i>	11.68		
26 01 50 52-0047	EA 1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	68.33		19.36
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81		
	<i>For High Ballast Factor, Add</i>	7.68		
26 01 50 52-0048	EA 2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	45.06		24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26		
	<i>For High Ballast Factor, Add</i>	11.68		

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0049	EA		2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast .....	73.16	24.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
			<i>For High Ballast Factor, Add</i>	7.68	
26 01 50 52-0050	EA		3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast .....	54.84	29.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.71	
			<i>For High Ballast Factor, Add</i>	11.37	
26 01 50 52-0051	EA		3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast .....	82.32	29.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.71	
			<i>For High Ballast Factor, Add</i>	6.53	
26 01 50 52-0052	EA		4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast .....	62.88	33.87
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
			<i>For High Ballast Factor, Add</i>	28.78	
26 01 50 52-0053	EA		4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast .....	90.52	33.87
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
			<i>For High Ballast Factor, Add</i>	16.80	
<b>26 01 50 52-0054</b>			<b>25 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)</b>		
26 01 50 52-0055	EA		1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast .....	40.23	19.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81	
			<i>For High Ballast Factor, Add</i>	11.68	
26 01 50 52-0056	EA		1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast .....	68.33	19.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81	
			<i>For High Ballast Factor, Add</i>	7.68	
26 01 50 52-0057	EA		2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast .....	45.06	24.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
			<i>For High Ballast Factor, Add</i>	11.68	
26 01 50 52-0058	EA		2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast .....	73.16	24.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
			<i>For High Ballast Factor, Add</i>	7.68	
26 01 50 52-0059	EA		3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast .....	54.84	29.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.71	
			<i>For High Ballast Factor, Add</i>	11.37	
26 01 50 52-0060	EA		3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast .....	82.32	29.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.71	
			<i>For High Ballast Factor, Add</i>	6.53	
26 01 50 52-0061	EA		4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast .....	62.88	33.87
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
			<i>For High Ballast Factor, Add</i>	28.78	
26 01 50 52-0062	EA		4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast .....	90.52	33.87
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
			<i>For High Ballast Factor, Add</i>	16.80	
<b>26 01 50 52-0063</b>			<b>28 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)</b>		
26 01 50 52-0064	EA		1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast .....	40.23	19.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81	
			<i>For High Ballast Factor, Add</i>	11.68	
26 01 50 52-0065	EA		1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast .....	68.33	19.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81	
			<i>For High Ballast Factor, Add</i>	7.68	
26 01 50 52-0066	EA		2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast .....	45.06	24.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
			<i>For High Ballast Factor, Add</i>	11.68	
26 01 50 52-0067	EA		2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast .....	73.16	24.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
			<i>For High Ballast Factor, Add</i>	7.68	
26 01 50 52-0068	EA		3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast .....	54.84	29.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.71	
			<i>For High Ballast Factor, Add</i>	11.37	
26 01 50 52-0069	EA		3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast .....	82.32	29.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.71	
			<i>For High Ballast Factor, Add</i>	6.53	
26 01 50 52-0070	EA		4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast .....	62.88	33.87
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
			<i>For High Ballast Factor, Add</i>	28.78	
26 01 50 52-0071	EA		4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast .....	90.52	33.87
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
			<i>For High Ballast Factor, Add</i>	16.80	
<b>26 01 50 52-0072</b>			<b>32 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)</b>		
26 01 50 52-0073	EA		1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast .....	40.23	19.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81	
			<i>For High Ballast Factor, Add</i>	11.68	
26 01 50 52-0074	EA		1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast .....	68.33	19.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81	
			<i>For High Ballast Factor, Add</i>	7.68	
26 01 50 52-0075	EA		2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast .....	45.06	24.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
			<i>For High Ballast Factor, Add</i>	11.68	
26 01 50 52-0076	EA		2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast .....	73.16	24.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
			<i>For High Ballast Factor, Add</i>	7.68	
26 01 50 52-0077	EA		3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast .....	54.84	29.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.71	
			<i>For High Ballast Factor, Add</i>	11.37	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0078	EA	3 Lamp	32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	82.32 8.71 6.53	29.03
26 01 50 52-0079	EA	4 Lamp	32 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	62.88 10.16 28.78	33.87
26 01 50 52-0080	EA	4 Lamp	32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	90.52 10.16 16.80	33.87
<b>26 01 50 52-0081</b>			<b>40 Watt, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0044)</small>		
26 01 50 52-0082	EA	1 Lamp	40 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	62.37 5.81 4.99	19.36
26 01 50 52-0083	EA	1 Lamp	40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	68.33 5.81 7.68	19.36
26 01 50 52-0084	EA	2 Lamp	40 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	67.20 7.26 4.99	24.19
26 01 50 52-0085	EA	2 Lamp	40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	73.16 7.26 7.68	24.19
26 01 50 52-0086	EA	3 Lamp	40 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	83.76 8.71 3.07	29.03
26 01 50 52-0087	EA	3 Lamp	40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	82.32 8.71	29.03
26 01 50 52-0088	EA	4 Lamp	40 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	88.60 10.16 3.07	33.87
26 01 50 52-0089	EA	4 Lamp	40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	90.52 10.16	33.87
<b>26 01 50 52-0090</b>			<b>96 Watt, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0044)</small>		
26 01 50 52-0091	EA	1 Lamp	96 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	74.09 5.81 10.70	19.36
26 01 50 52-0092	EA	2 Lamp	96 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	78.92 7.26 10.70	24.19
26 01 50 52-0093			<b>High-Output, T8HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0043)</small> Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0094</b>			<b>48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0093)</small>		
26 01 50 52-0095	EA	1 Lamp	48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.16 5.81	19.36
26 01 50 52-0096	EA	1 Lamp	48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.20 5.81	19.36
26 01 50 52-0097	EA	2 Lamp	48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.99 7.26	24.19
26 01 50 52-0098	EA	2 Lamp	48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.03 7.26	24.19
<b>26 01 50 52-0099</b>			<b>60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0093)</small>		
26 01 50 52-0100	EA	1 Lamp	60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.16 5.81	19.36
26 01 50 52-0101	EA	1 Lamp	60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.20 5.81	19.36
26 01 50 52-0102	EA	2 Lamp	60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.99 7.26	24.19
26 01 50 52-0103	EA	2 Lamp	60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.03 7.26	24.19
<b>26 01 50 52-0104</b>			<b>72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0093)</small>		
26 01 50 52-0105	EA	1 Lamp	72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.16 5.81	19.36
26 01 50 52-0106	EA	1 Lamp	72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.20 5.81	19.36
26 01 50 52-0107	EA	2 Lamp	72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.99 7.26	24.19
26 01 50 52-0108	EA	2 Lamp	72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.03 7.26	24.19
<b>26 01 50 52-0109</b>			<b>96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0093)</small>		
26 01 50 52-0110	EA	1 Lamp	96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.16 5.81	19.36
26 01 50 52-0111	EA	1 Lamp	96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.20 5.81	19.36
26 01 50 52-0112	EA	2 Lamp	96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.99 7.26	24.19





**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 01 50 52-0191	EA	3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	136.18		29.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.71		
26 01 50 52-0192	EA	4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	141.02		33.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16		
<b>26 01 50 52-0193</b>		<b>25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0187)</small>			
26 01 50 52-0194	EA	1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	109.13		19.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81		
26 01 50 52-0195	EA	2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	113.96		24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26		
26 01 50 52-0196	EA	3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	136.18		29.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.71		
26 01 50 52-0197	EA	4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	141.02		33.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16		
<b>26 01 50 52-0198</b>		<b>28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0187)</small>			
26 01 50 52-0199	EA	1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	109.13		19.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81		
26 01 50 52-0200	EA	2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	113.96		24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26		
26 01 50 52-0201	EA	3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	136.18		29.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.71		
26 01 50 52-0202	EA	4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	141.02		33.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16		
<b>26 01 50 52-0203</b>		<b>32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0187)</small>			
26 01 50 52-0204	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	109.13		19.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81		
26 01 50 52-0205	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	113.96		24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26		
26 01 50 52-0206	EA	3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	136.18		29.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.71		
26 01 50 52-0207	EA	4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	141.02		33.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16		
<b>26 01 50 52-0208</b>		<b>T10 Fluorescent Ballasts</b> <small>(26 01 50 52-0002)</small>			
<b>26 01 50 52-0209</b>		<b>T10 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0208)</small>			
		Note: Includes 120/277 Volt and normal ballast factor.			
<b>26 01 50 52-0210</b>		<b>40 Watt, T10 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0209)</small>			
26 01 50 52-0211	EA	1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast.....	55.65		19.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81		
26 01 50 52-0212	EA	2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast.....	60.48		24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26		
26 01 50 52-0213	EA	3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast.....	74.06		29.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.71		
<b>26 01 50 52-0214</b>		<b>T12 Fluorescent Ballasts</b> <small>(26 01 50 52-0002)</small>			
<b>26 01 50 52-0215</b>		<b>T12 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0214)</small>			
		Note: Includes 120/277 Volt and normal ballast factor.			
<b>26 01 50 52-0216</b>		<b>25 Watt, T12 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0215)</small>			
26 01 50 52-0217	EA	1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast.....	40.23		19.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81		
26 01 50 52-0218	EA	1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	55.65		19.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81		
26 01 50 52-0219	EA	2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast.....	45.06		24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26		
26 01 50 52-0220	EA	2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	60.48		24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26		
26 01 50 52-0221	EA	3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast.....	54.84		29.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.71		
26 01 50 52-0222	EA	4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast.....	62.88		33.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16		
<b>26 01 50 52-0223</b>		<b>30 Watt, T12 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0215)</small>			
26 01 50 52-0224	EA	1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	55.65		19.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81		
26 01 50 52-0225	EA	2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	60.48		24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26		
26 01 50 52-0226	EA	3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	74.06		29.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.71		
<b>26 01 50 52-0227</b>		<b>34 Watt, T12 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0215)</small>			
26 01 50 52-0228	EA	1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	55.65		19.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81		
26 01 50 52-0229	EA	2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	60.48		24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0230 EA 3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.06 8.71	29.03
<b>26 01 50 52-0231 40 Watt, T12 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0215)</small>		
26 01 50 52-0232 EA 1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.65 5.81	19.36
26 01 50 52-0233 EA 2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.48 7.26	24.19
26 01 50 52-0234 EA 3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.06 8.71	29.03
<b>26 01 50 52-0235 96 Watt, T12 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0215)</small>		
26 01 50 52-0236 EA 1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.00 5.81	19.36
26 01 50 52-0237 EA 2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.92 7.26	24.19
<b>26 01 50 52-0238 High-Output, T12HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0214)</small> Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0239 48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0238)</small>		
26 01 50 52-0240 EA 1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.45 5.81	19.36
26 01 50 52-0241 EA 2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.28 7.26	24.19
<b>26 01 50 52-0242 60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0238)</small>		
26 01 50 52-0243 EA 1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.45 5.81	19.36
26 01 50 52-0244 EA 2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.28 7.26	24.19
<b>26 01 50 52-0245 72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0238)</small>		
26 01 50 52-0246 EA 1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.45 5.81	19.36
26 01 50 52-0247 EA 2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.28 7.26	24.19
<b>26 01 50 52-0248 96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0238)</small>		
26 01 50 52-0249 EA 2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.45 5.81	19.36
26 01 50 52-0250 EA 2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.28 7.26	24.19
<b>26 01 50 52-0251 Emergency Fluorescent Ballasts</b> <small>(26 01 50 52-0002)</small> Note: 120/277 Volt.		
26 01 50 52-0252 EA 350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100) ..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.29 -38.71 11.61	19.36
26 01 50 52-0253 EA 600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60) ..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	230.04 -40.65 12.20	24.19
26 01 50 52-0254 EA 1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50) ..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	284.79 -40.65 12.20	24.19
26 01 50 52-0255 EA 600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A) ..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	211.74 -40.65 12.20	24.19
26 01 50 52-0256 EA 2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33) ..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	977.39 -42.58 12.77	29.03
26 01 50 52-0257 EA 225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54) ..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	288.61 -38.71 11.61	19.36
26 01 50 52-0258 EA 325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG) ..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	481.15 -40.65 12.20	24.19
26 01 50 52-0259 EA 300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG) ..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	266.76 -40.65 12.20	24.19
26 01 50 52-0260 EA 200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413) ..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	361.98 -38.71 11.61	19.36

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0261	EA		300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463).....	281.62	19.36
			<i>For Factory Installation In New Fixtures, Deduct</i>	-38.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.61	
26 01 50 52-0262	EA		450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426).....	317.76	24.19
			<i>For Factory Installation In New Fixtures, Deduct</i>	-40.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.20	
26 01 50 52-0263	EA		1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500).....	343.51	24.19
			<i>For Factory Installation In New Fixtures, Deduct</i>	-40.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.20	
26 01 50 52-0264	EA		600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600).....	289.80	24.19
			<i>For Factory Installation In New Fixtures, Deduct</i>	-40.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.20	
26 01 50 52-0265	EA		600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700).....	293.95	19.36
			<i>For Factory Installation In New Fixtures, Deduct</i>	-38.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.61	
26 01 50 52-0266	EA		500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900).....	256.71	19.36
			<i>For Factory Installation In New Fixtures, Deduct</i>	-38.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.61	
26 01 50 52-0267	EA		300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C).....	266.76	24.19
			<i>For Factory Installation In New Fixtures, Deduct</i>	-40.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.20	
26 01 50 52-0268	EA		450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400).....	260.73	19.36
			<i>For Factory Installation In New Fixtures, Deduct</i>	-38.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.61	
26 01 50 52-0269	EA		1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST).....	473.66	24.19
			<i>For Factory Installation In New Fixtures, Deduct</i>	-40.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.20	
26 01 50 52-0270	EA		1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST).....	591.13	24.19
			<i>For Factory Installation In New Fixtures, Deduct</i>	-40.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.20	
26 01 50 52-0271	EA		1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT).....	1,102.06	24.19
			<i>For Factory Installation In New Fixtures, Deduct</i>	-40.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.20	
26 01 50 52-0272	EA		1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT).....	766.98	24.19
			<i>For Factory Installation In New Fixtures, Deduct</i>	-40.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.20	
26 01 50 52-0273	EA		1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48).....	392.34	24.19
			<i>For Factory Installation In New Fixtures, Deduct</i>	-40.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.20	
26 01 50 52-0274	EA		1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1).....	507.02	19.36
			<i>For Factory Installation In New Fixtures, Deduct</i>	-38.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.61	
26 01 50 52-0275	EA		250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD).....	2,816.24	24.19
			<i>For Factory Installation In New Fixtures, Deduct</i>	-38.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.61	
<b>26 01 50 52-0276</b>			<b>LED Emergency Ballasts (26 01 50 52-0001)</b>		
26 01 50 52-0277	EA		Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L).....	159.42	19.36
			<i>For Factory Installation In New Fixtures, Deduct</i>	-38.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.61	
26 01 50 52-0278	EA		Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST).....	184.63	19.36
			<i>For Factory Installation In New Fixtures, Deduct</i>	-38.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.61	
26 01 50 52-0279	EA		Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C).....	214.82	19.36
			<i>For Factory Installation In New Fixtures, Deduct</i>	-38.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.61	
26 01 50 52-0280	EA		Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310).....	204.00	19.36
			<i>For Factory Installation In New Fixtures, Deduct</i>	-38.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.61	
26 01 50 52-0281	EA		Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718).....	360.00	19.36
			<i>For Factory Installation In New Fixtures, Deduct</i>	-38.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.61	
26 01 50 52-0282	EA		Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV).....	340.62	19.36
			<i>For Factory Installation In New Fixtures, Deduct</i>	-38.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.61	
26 01 50 52-0283	EA		Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ).....	323.97	19.36
			<i>For Factory Installation In New Fixtures, Deduct</i>	-38.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.61	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0284		<b>Compact Fluorescent Ballasts</b> (26 01 50 52-0001)		
26 01 50 52-0285		<b>Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0284) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0286		<b>18 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0287	EA	1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	83.11	19.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81	
26 01 50 52-0288	EA	2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	87.94	24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
26 01 50 52-0289		<b>26 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0290	EA	1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	83.11	19.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81	
26 01 50 52-0291	EA	2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	87.94	24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
26 01 50 52-0292		<b>32 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0293	EA	1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	102.41	19.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81	
26 01 50 52-0294	EA	2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	107.24	24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
26 01 50 52-0295		<b>40 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0296	EA	1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	80.81	19.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81	
26 01 50 52-0297	EA	1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	102.41	19.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81	
26 01 50 52-0298	EA	2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	150.47	24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
26 01 50 52-0299	EA	2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	107.24	24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
26 01 50 52-0300	EA	3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	177.89	29.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.71	
26 01 50 52-0301		<b>42 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0302	EA	1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	102.41	19.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81	
26 01 50 52-0303	EA	2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	107.24	24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
26 01 50 52-0304		<b>55 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0305	EA	1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	102.41	19.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81	
26 01 50 52-0306	EA	2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	107.24	24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
26 01 50 52-0307		<b>Dimming, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0284)		
26 01 50 52-0308		<b>Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0307) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0309		<b>18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0308)		
26 01 50 52-0310	EA	1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	151.76	19.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81	
26 01 50 52-0311	EA	2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	156.59	24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
26 01 50 52-0312		<b>26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0308)		
26 01 50 52-0313	EA	1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	151.76	19.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81	
26 01 50 52-0314	EA	2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	156.59	24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
26 01 50 52-0315		<b>32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0308)		
26 01 50 52-0316	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	151.76	19.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81	
26 01 50 52-0317	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	167.25	24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
26 01 50 52-0318		<b>40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0308)		
26 01 50 52-0319	EA	2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	167.25	24.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 01 50 52-0320	<b>42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0308)</small>		
26 01 50 52-0321	EA 1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	151.76	19.36
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81	
26 01 50 52-0322	EA 2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	167.25	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
26 01 50 52-0323	<b>55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0308)</small>		
26 01 50 52-0324	EA 1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	241.05	19.36
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.81	
26 01 50 52-0325	EA 2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	270.94	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
26 01 50 52-0326	<b>High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0001)</small>		
26 01 50 52-0327	<b>Magnetic High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0326)</small>		
26 01 50 52-0328	<b>Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
26 01 50 52-0329	<b>Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0328)</small>		
26 01 50 52-0330	EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	116.71	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0331	EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	119.39	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0332	EA 1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	119.39	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0333	EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	111.76	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0334	EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	111.76	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0335	EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	162.88	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0336	EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	162.88	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0337	EA 1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	207.89	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0338	EA 1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	230.86	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0339	<b>High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0328)</small>		
26 01 50 52-0340	EA 1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	106.12	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0341	EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	112.11	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0342	EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	109.53	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0343	EA 1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	127.53	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0344	EA 1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	124.96	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0345	EA 1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	141.67	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0346	EA 1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	141.67	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0347	EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	169.45	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0348	EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	169.45	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0349	EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	266.95	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0350	EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	266.95	24.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0351	<b>Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0328)</small>		
26 01 50 52-0352	EA Single Mounting Bracket For Core And Coil Type.....	14.51	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 01 50 52-0353	EA Double Mounting Bracket For Core And Coil Type.....	24.23	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.36	
26 01 50 52-0354	<b>F-Can High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
26 01 50 52-0355	<b>Metal Halide, F-Can High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0354)</small>		
26 01 50 52-0356	EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	146.22	24.19
	<i>For Pulse Start Ballast, Add</i>	11.24	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0357	EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	153.65	24.19
	<i>For Pulse Start Ballast, Add</i>	11.98	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0358 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	140.59	24.19
<i>For Pulse Start Ballast, Add</i>	10.67	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0359 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	162.05	24.19
<i>For Pulse Start Ballast, Add</i>	12.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0360 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	222.18	24.19
<i>For Pulse Start Ballast, Add</i>	18.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
<b>26 01 50 52-0361 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0354)</small>		
26 01 50 52-0362 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	174.38	24.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0363 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	185.96	24.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
<b>26 01 50 52-0364 Postline High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
<b>26 01 50 52-0365 Metal Halide, Postline High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0364)</small>		
26 01 50 52-0366 EA 1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	285.42	24.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
<b>26 01 50 52-0367 High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0364)</small>		
26 01 50 52-0368 EA 1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	435.76	24.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	
26 01 50 52-0369 EA 1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	485.14	24.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	
26 01 50 52-0370 EA 1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	468.06	24.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	
<b>26 01 50 52-0371 Indoor Enclosed High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
<b>26 01 50 52-0372 Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0371)</small>		
26 01 50 52-0373 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	349.75	24.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0374 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	395.99	24.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0375 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	520.69	24.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0376 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	518.00	24.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0377 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	723.27	26.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.74	
26 01 50 52-0378 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	723.27	26.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.74	
26 01 50 52-0379 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	499.65	24.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0380 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	586.56	24.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
<b>26 01 50 52-0381 High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0371)</small>		
26 01 50 52-0382 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	646.32	24.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0383 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	615.70	24.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0384 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	789.35	24.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0385 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	789.35	24.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
<b>26 01 50 52-0386 Outdoor Weatherproof High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
<b>26 01 50 52-0387 Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0386)</small>		
26 01 50 52-0388 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	392.12	24.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0389 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	422.98	24.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0390 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	419.94	24.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0391 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	440.62	24.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 01 50 52-0392 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	696.31	26.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.74	
26 01 50 52-0393 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	854.19	26.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.74	
26 01 50 52-0394 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	649.92	24.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0395	EA		1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	592.35 10.16	24.19
<b>26 01 50 52-0396</b>			<b>High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0386)</small>		
26 01 50 52-0397	EA		1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	504.10 10.16	24.19
26 01 50 52-0398	EA		1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	543.03 10.16	24.19
26 01 50 52-0399	EA		1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	807.32 10.16	24.19
26 01 50 52-0400	EA		1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	695.66 10.16	24.19
<b>26 01 50 52-0401</b>			<b>Electronic High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0326)</small>		
<b>26 01 50 52-0402</b>			<b>Electronic Low Frequency High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0401)</small>		
26 01 50 52-0403	EA		1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.02 10.16	24.19
26 01 50 52-0404	EA		1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.02 10.16	24.19
26 01 50 52-0405	EA		1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	180.53 10.16	24.19
26 01 50 52-0406	EA		1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	453.93 10.16	24.19
26 01 50 52-0407	EA		1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	453.93 10.16	24.19
26 01 50 52-0408	EA		1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	453.93 10.16	24.19
26 01 50 52-0409	EA		1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	453.93 10.16	24.19
26 01 50 52-0410	EA		1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	453.93 10.16	24.19
<b>26 01 50 52-0411</b>			<b>Owner Supplied Ballasts</b> <small>(26 01 50 52-0001)</small>		
26 01 50 52-0412	EA		Install Owner Supplied, 1 Lamp Fluorescent Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.36 5.81	
26 01 50 52-0413	EA		Install Owner Supplied, 2 Lamp Fluorescent Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.19 7.26	
26 01 50 52-0414	EA		Install Owner Supplied, 3 Lamp Fluorescent Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.07 8.42	
26 01 50 52-0415	EA		Install Owner Supplied, 4 Lamp Fluorescent Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.00 9.00	
26 01 50 52-0416	EA		Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.87 10.16	
26 01 50 52-0417	EA		Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.81 10.74	
<b>26 01 50 53</b>			<b>Lens and Accessory Replacement</b> <small>(26 01 50)</small>		
<b>26 01 50 53-0001</b>			<b>Lens and Accessory Replacement</b> <small>(26 01 50 53)</small>		
26 01 50 53-0002	EA		Removal And Replacement Of Parabolic Aluminum Louver ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.32 2.90	
26 01 50 53-0003	EA		Removal And Replacement Of Visor For Fixtures ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	170.17 2.90	
26 01 50 53-0004	EA		Removal And Replacement Of Globe On Pole ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.85 2.90	
26 01 50 53-0005	EA		Removal And Replacement Of Lenses For Flat Top Pole Fixtures ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.12 2.90	
26 01 50 53-0006	EA		Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.51 2.90	
26 01 50 53-0007	EA		Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.67 2.90	
26 01 50 53-0008	EA		Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.69 2.90	
26 01 50 53-0009	EA		Removal And Replacement Of Slide-On Lampholder ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.47 2.90	
26 01 50 53-0010	EA		Removal And Replacement Of Screw Mount Lampholder ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.65 2.90	
26 01 50 53-0011	EA		Removal And Replacement Of Medium Bi-Pin Lampholder ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.18 2.90	
26 01 50 53-0012	EA		Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.54 2.90	
26 01 50 53-0013	EA		Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.07 2.90	
26 01 50 53-0014	EA		Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.95 2.90	
26 01 50 53-0015	EA		Removal And Replacement Of Exterior Light Globes ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.32 2.90	
<b>26 01 50 81</b>			<b>Luminaire Replacement</b> <small>(26 01 50)</small>		
<b>26 01 50 81-0001</b>			<b>Retrofit Lighting Fixtures</b> <small>(26 01 50 81)</small>		
<b>26 01 50 81-0002</b>			<b>LED Lighting Retrofits For Existing Fixtures</b> <small>(26 01 50 81-0001)</small>		

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**26 01 50 81-0003 LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative)** (26 01 50 81-0003)

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0379 for disposal of hazardous lamps.

26 01 50 81-0004	EA 7" Round Downlight, 15 Watt, 2700K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/927).....	103.08	
26 01 50 81-0005	EA 7" Round Downlight, 15 Watt, 3000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/930).....	103.08	
26 01 50 81-0006	EA 7" Round Downlight, 15 Watt, 4000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/940).....	103.08	
26 01 50 81-0007	EA 4" Diameter, 8.5 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827).....	82.06	
26 01 50 81-0008	EA 4" Diameter, 8.5 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830).....	82.06	
26 01 50 81-0009	EA 4" Diameter, 8.5 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840).....	82.06	
26 01 50 81-0010	EA 6" Diameter, 11.6 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827).....	90.91	
26 01 50 81-0011	EA 6" Diameter, 11.6 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830).....	90.91	
26 01 50 81-0012	EA 6" Diameter, 11.6 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840).....	90.91	

**26 01 50 81-0013 LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology)** (26 01 50 81-0013)

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0379 for disposal of hazardous lamps.

26 01 50 81-0014	EA 2,300 Lumens, 23 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-20w).....	319.80	
26 01 50 81-0015	EA 3,300 Lumens, 33 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-30w).....	333.07	
26 01 50 81-0016	EA 4,400 Lumens, 44 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-40w).....	346.35	
26 01 50 81-0017	EA 5,400 Lumens, 54 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-50w).....	361.55	
26 01 50 81-0018	EA 6,500 Lumens, 65 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-60w).....	400.26	
26 01 50 81-0019	EA 7,600 Lumens, 75 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-70w).....	415.46	
26 01 50 81-0020	EA 8,600 Lumens, 86 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-80w).....	451.96	
26 01 50 81-0021	EA 9,600 Lumens, 96 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-90w).....	465.23	
26 01 50 81-0022	EA 10,700 Lumens, 107 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-100w).....	480.43	
26 01 50 81-0023	EA 11,700 Lumens, 117 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-110w).....	504.76	
26 01 50 81-0024	EA 12,800 Lumens, 128 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-120w).....	529.92	
26 01 50 81-0025	EA 13,800 Lumens, 138 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-130w).....	555.36	
26 01 50 81-0026	EA 14,900 Lumens, 149 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-140w).....	568.63	
26 01 50 81-0027	EA 16,100 Lumens, 161 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-150w).....	590.75	
26 01 50 81-0028	EA 17,200 Lumens, 172 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-160w).....	615.76	
26 01 50 81-0029	EA 18,200 Lumens, 182 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-170w).....	643.41	
26 01 50 81-0030	EA 19,300 Lumens, 193 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-180w).....	685.44	
26 01 50 81-0031	EA 20,300 Lumens, 203 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-190w).....	704.24	
26 01 50 81-0032	EA 21,400 Lumens, 214 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-200w).....	736.03	
26 01 50 81-0033	EA 22,400 Lumens, 224 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-210w).....	779.17	
26 01 50 81-0034	EA 23,500 Lumens, 235 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-220w).....	801.29	
26 01 50 81-0035	EA 24,500 Lumens, 245 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-230w).....	852.84	
26 01 50 81-0036	EA 25,600 Lumens, 256 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-240w).....	901.50	
26 01 50 81-0037	EA 26,600 Lumens, 266 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-250w).....	934.40	
26 01 50 81-0038	EA 27,700 Lumens, 277 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-260w).....	981.96	
26 01 50 81-0039	EA 28,700 Lumens, 287 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-270w).....	1,073.48	
26 01 50 81-0040	EA 29,800 Lumens, 298 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-280w).....	1,084.54	
26 01 50 81-0041	EA 31,900 Lumens, 319 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-300w).....	1,111.77	

**26 01 50 81-0042 LED Lighting Retrofits For Existing Fixtures (Optilumen)** (26 01 50 81-0042)

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0379 for disposal of hazardous lamps.

26 01 50 81-0043	EA 20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35).....	130.07	
	<small>Note: Fits 1' x 4' Troffer/Strip</small>		
26 01 50 81-0044	EA 20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40).....	130.07	
	<small>Note: Fits 1' x 4' Troffer/Strip</small>		
26 01 50 81-0045	EA 20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50).....	130.07	
	<small>Note: Fits 1' x 4' Troffer/Strip</small>		
26 01 50 81-0046	EA 30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35).....	135.60	
	<small>Note: Fits 2' x 4' Troffer/Strip</small>		
26 01 50 81-0047	EA 2 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2415M-40).....	135.60	
	<small>Note: Fits 2' x 4' Troffer/Strip</small>		
26 01 50 81-0048	EA 2 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2415M-50).....	135.60	
	<small>Note: Fits 2' x 4' Troffer/Strip</small>		
26 01 50 81-0049	EA 2 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2418M-35).....	146.66	
	<small>Note: Fits 2' x 4' Troffer/Strip</small>		
26 01 50 81-0050	EA 2 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2418M-40).....	146.66	
	<small>Note: Fits 2' x 4' Troffer/Strip</small>		
26 01 50 81-0051	EA 2 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2418M-50).....	146.66	
	<small>Note: Fits 2' x 4' Troffer/Strip</small>		
26 01 50 81-0052	EA 3 x 42", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3415M-35).....	135.60	
	<small>Note: Fits 2' x 4' Troffer/Strip</small>		
26 01 50 81-0053	EA 3 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3415M-40).....	135.60	
	<small>Note: Fits 2' x 4' Troffer/Strip</small>		
26 01 50 81-0054	EA 3 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3415M-50).....	135.60	
	<small>Note: Fits 2' x 4' Troffer/Strip</small>		
26 01 50 81-0055	EA 3 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3418M-35).....	146.66	
	<small>Note: Fits 2' x 4' Troffer/Strip</small>		
26 01 50 81-0056	EA 3 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3418M-40).....	146.66	
	<small>Note: Fits 2' x 4' Troffer/Strip</small>		
26 01 50 81-0057	EA 3 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3418M-50).....	146.66	
	<small>Note: Fits 2' x 4' Troffer/Strip</small>		
26 01 50 81-0058	EA 3 x 42", 60 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3424M-35).....	168.78	
	<small>Note: Fits 2' x 4' Troffer/Strip</small>		

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 01 50 81-0059	EA	3 x 42", 60 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3424M-40).....	168.78	
		Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0060	EA	3 x 42", 60 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3424M-50).....	168.78	
		Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0061	EA	1 x 21", 10 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT1209M-35).....	130.07	
		Note: Fits 1' x 2' Troffer/Strip		
26 01 50 81-0062	EA	1 x 21", 10 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT1209M-40).....	130.07	
		Note: Fits 1' x 2' Troffer/Strip		
26 01 50 81-0063	EA	1 x 21", 10 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT1209M-50).....	130.07	
		Note: Fits 1' x 2' Troffer/Strip		
26 01 50 81-0064	EA	2 x 21", 22 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2209M-35).....	130.07	
		Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0065	EA	2 x 21", 22 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2209M-40).....	130.07	
		Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0066	EA	2 x 21", 22 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2209M-50).....	130.07	
		Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0067	EA	3 x 21", 20 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3209M-35).....	135.60	
		Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0068	EA	3 x 21", 20 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3209M-40).....	135.60	
		Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0069	EA	3 x 21", 20 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3209M-50).....	135.60	
		Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0070	EA	3 x 21", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3210M-35).....	142.24	
		Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0071	EA	3 x 21", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3210M-40).....	142.24	
		Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0072	EA	3 x 21", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3210M-50).....	142.24	
		Note: Fits 2' x 2' Troffer/Strip		

**26 01 50 81-0073 LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG)** (26 01 50 81-0002)

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0379 for disposal of hazardous lamps.

26 01 50 81-0074	EA	34 Watt, 3500K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN).....	314.93	
26 01 50 81-0075	EA	34 Watt, 4000K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN).....	314.93	
26 01 50 81-0076	EA	26 Watt, 3500K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN).....	282.85	
26 01 50 81-0077	EA	26 Watt, 4000K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN).....	282.85	
26 01 50 81-0078	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV).....	134.10	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0079	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV).....	134.10	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0080	EA	31 Watt, 4,050 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-35-3200-RV).....	155.12	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0081	EA	31 Watt, 4,050 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV).....	155.12	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0082	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV).....	170.60	
		Note: Factory installed sensor and ZigBee dongle		
26 01 50 81-0083	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV).....	170.60	
		Note: Factory installed sensor and ZigBee dongle		
26 01 50 81-0084	EA	31 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV).....	176.13	
		Note: Factory installed sensor and ZigBee dongle		
26 01 50 81-0085	EA	31 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV).....	176.13	
		Note: Factory installed sensor and ZigBee dongle		
26 01 50 81-0086	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-2BDK-25-35-3120).....	102.03	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0087	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-2BDK-25-40-3120).....	102.03	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0088	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-4BDK-31-35-3880).....	115.30	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0089	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-4BDK-31-40-3880).....	115.30	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0090	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L).....	105.35	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0091	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L).....	105.35	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0092	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L).....	118.62	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0093	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L).....	118.62	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0094	EA	6" Diameter, 16 Watt, 1,450 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450).....	104.24	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0095	EA	6" Diameter, 16 Watt, 1,450 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450).....	104.24	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0096	EA	8" Diameter, 22 Watt, 2,000 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000).....	114.19	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0097	EA	8" Diameter, 22 Watt, 2,000 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000).....	114.19	
		Note: No sensor, ZigBee ready driver		

**26 01 50 81-0098 LED Lighting Retrofit Accessories (LG)** (26 01 50 81-0002)

See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0379 for disposal of hazardous lamps.

26 01 50 81-0099	EA	Dongle (LG LGE-DONGLE).....	17.85	
26 01 50 81-0100	EA	1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B).....	97.36	11.00
26 01 50 81-0101	EA	2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B).....	101.76	13.19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0102 EA 1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B) .....	124.28	11.00
26 01 50 81-0103 EA 2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B) .....	128.68	13.19
26 01 50 81-0104 EA Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR).....	64.70	8.79
26 01 50 81-0105 EA Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP) .....	23.14	8.79
26 01 50 81-0106 EA Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE) .....	24.71	8.79
26 01 50 81-0107 EA Wireless Interface Module (LG PIHN-W005A).....	62.05	13.19
Note: includes dongle		
<b>26 01 50 81-0108 Retrofit Existing (T12) Fluorescent Fixtures</b> <small>(26 01 50 81-0001)</small>		
Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal, 26 01 50 51-0379 for hazardous lamp recycling.		
<b>26 01 50 81-0109 Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector</b> <small>(26 01 50 81-0108)</small>		
Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0110 EA Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp.....	78.02	
For Specular Ballast Cover, Add		8.85
26 01 50 81-0111 EA Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps .....	82.91	
For Specular Ballast Cover, Add		9.83
26 01 50 81-0112 EA Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps .....	111.49	
For Specular Ballast Cover, Add		15.55
26 01 50 81-0113 EA Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps .....	127.74	
For Specular Ballast Cover, Add		18.80
<b>26 01 50 81-0114 Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector</b> <small>(26 01 50 81-0108)</small>		
Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0115 EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp.....	82.22	
For Specular Reflector, Add		17.05
26 01 50 81-0116 EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps .....	87.62	
For Specular Reflector, Add		17.05
26 01 50 81-0117 EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps .....	117.37	
For Specular Reflector, Add		17.05
26 01 50 81-0118 EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps .....	148.46	
For Specular Reflector, Add		17.05
<b>26 01 50 81-0119 Retrofit Existing (T12) Troffer Style Fluorescent Fixtures</b> <small>(26 01 50 81-0108)</small>		
Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0120 EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps .....	102.80	
For Specular Reflector, Add		17.05
26 01 50 81-0121 EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps .....	107.69	
For Specular Reflector, Add		17.05
26 01 50 81-0122 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps .....	109.15	
For Specular Reflector, Add		17.05
26 01 50 81-0123 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps.....	121.40	
For Specular Reflector, Add		17.05
26 01 50 81-0124 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps.....	145.91	
For Specular Reflector, Add		17.05
26 01 50 81-0125 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps .....	112.73	
For Specular Reflector, Add		17.05
26 01 50 81-0126 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps.....	123.41	
For Specular Reflector, Add		17.05
26 01 50 81-0127 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps.....	132.35	
For Specular Reflector, Add		17.05
<b>26 01 50 81-0128 Retrofit Existing Recessed Lay-In/Troffer Fixtures</b> <small>(26 01 50 81-0001)</small>		
<b>26 01 50 81-0129 Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia)</b> <small>(26 01 50 81-0128)</small>		
Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0379 for disposal of hazardous lamps.		
26 01 50 81-0130 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	142.30	
26 01 50 81-0131 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	142.30	
26 01 50 81-0132 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	142.30	
26 01 50 81-0133 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	155.34	
26 01 50 81-0134 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	142.30	
26 01 50 81-0135 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	142.30	
26 01 50 81-0136 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	142.30	
26 01 50 81-0137 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	155.34	
26 01 50 81-0138 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	142.83	
26 01 50 81-0139 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	142.83	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0140	EA		2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	142.83	
26 01 50 81-0141	EA		2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	155.86	
26 01 50 81-0142	EA		2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	142.83	
26 01 50 81-0143	EA		2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	142.83	
26 01 50 81-0144	EA		2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	142.83	
26 01 50 81-0145	EA		2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	155.86	
26 01 50 81-0146			<b>LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED)</b> <small>(26 01 50 81-0128)</small> Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0379 for disposal of hazardous lamps.		
26 01 50 81-0147	EA		2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025).....	202.98	
26 01 50 81-0148	EA		4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045).....	211.85	
26 01 50 81-0149			<b>LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™)</b> <small>(26 01 50 81-0128)</small> Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0379 for disposal of hazardous lamps.		
26 01 50 81-0150	EA		1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L).....	248.53	
26 01 50 81-0151	EA		2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L).....	254.39	
26 01 50 81-0152	EA		2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L).....	248.53	
26 01 50 81-0153	EA		3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L).....	254.39	
26 01 50 81-0154	EA		3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L).....	283.70	
26 01 50 81-0155	EA		4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L).....	292.49	
26 01 50 81-0156	EA		5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L).....	313.00	
26 01 50 81-0157			<b>LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion)</b> <small>(26 01 50 81-0128)</small> Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0379 for disposal of hazardous lamps.		
26 01 50 81-0158	EA		3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST).....	230.60	
26 01 50 81-0159	EA		3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST).....	238.78	
26 01 50 81-0160	EA		3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST).....	241.22	
26 01 50 81-0161	EA		3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST).....	249.40	
26 01 50 81-0162	EA		2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDX84022MST).....	175.42	
26 01 50 81-0163	EA		4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDX84022MST).....	179.30	
26 01 50 81-0164	EA		3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDX84024MST).....	185.52	
26 01 50 81-0165	EA		4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDX84024MST).....	189.40	
26 01 50 81-0166	EA		6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDX84024MST).....	232.89	
26 01 50 81-0167	EA		8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDX84024MST).....	276.37	
26 01 50 81-0168			<b>Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)</b> <small>(26 01 50 81-0128)</small> Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0379 for disposal of hazardous lamps.		
26 01 50 81-0169	EA		1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	206.76	
26 01 50 81-0170	EA		1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	154.47	
26 01 50 81-0171	EA		2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	211.42	
26 01 50 81-0172	EA		2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	159.00	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0173	EA	3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	220.48	
26 01 50 81-0174	EA	3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	172.14	
26 01 50 81-0175	EA	1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	243.45	
26 01 50 81-0176	EA	1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	191.00	
26 01 50 81-0177	EA	2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	247.87	
26 01 50 81-0178	EA	2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	195.37	
26 01 50 81-0179	EA	3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	256.93	
26 01 50 81-0180	EA	3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	208.52	
<b>26 01 50 81-0181</b>		<b>LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) (26 01 50 81-0128)</b> Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0379 for disposal of hazardous lamps.		
26 01 50 81-0182	EA	3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT).....	454.21	
26 01 50 81-0183	EA	4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT).....	504.13	
<b>26 01 50 81-0184</b>		<b>Retrofit Existing HID Fixtures (26 01 50 81-0001)</b>		
26 01 50 81-0185	EA	Tear Drop LED Retrofit Kit (Holophane LTDRL2 P35S 40K AS BK TDRD 3 P).....	1,027.90	

26 05 Common Work Results for Electrical (26)

26 05 13 Medium-Voltage Cables (26 05)

**26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables (26 05 13)**

**26 05 13 16-0001 Wire And Cable (26 05 13 16)**

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

**26 05 13 16-0002 5 KV Cable (26 05 13 16-0001)**

**26 05 13 16-0003 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct (26 05 13 16-0002)**

26 05 13 16-0004	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	3,450.46	781.96
26 05 13 16-0005	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,156.49	853.82
26 05 13 16-0006	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,015.36	964.69
26 05 13 16-0007	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,572.01	1,188.54
26 05 13 16-0008	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,500.71	1,338.39
26 05 13 16-0009	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,364.47	1,485.59
26 05 13 16-0010	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,543.68	1,669.21
26 05 13 16-0011	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,641.80	1,857.07
26 05 13 16-0012	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	14,683.75	2,217.29
26 05 13 16-0013	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	18,703.08	2,606.38
26 05 13 16-0014	MLF	750 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	28,686.34	3,071.90
26 05 13 16-0015	MLF	1,000 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	38,674.47	3,537.20

**26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial (26 05 13 16-0002)**

Note: Excludes excavation.

26 05 13 16-0017	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,352.73	
26 05 13 16-0018	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,879.00	
26 05 13 16-0019	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,460.67	
26 05 13 16-0020	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,641.45	
26 05 13 16-0021	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,195.42	
26 05 13 16-0022	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,874.41	
26 05 13 16-0023	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,594.57	
26 05 13 16-0024	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,410.97	
26 05 13 16-0025	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,649.89	
26 05 13 16-0026	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	14,784.43	

**26 05 13 16-0027 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) (26 05 13 16-0002)**

26 05 13 16-0028	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	2,783.52	486.40
26 05 13 16-0029	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,403.01	521.53
26 05 13 16-0030	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	4,349.83	659.51
26 05 13 16-0031	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	5,720.64	800.62
26 05 13 16-0032	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,643.27	939.86
26 05 13 16-0033	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,496.43	1,074.83
26 05 13 16-0034	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,672.69	1,247.11

**26 Electrical****26 05 Common Work Results for Electrical****26 05 13 Medium-Voltage Cables**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 13 16-0035	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,153.51		1,568.95
26 05 13 16-0036	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	14,396.81		1,985.21
26 05 13 16-0037	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	18,791.41		2,494.22
<b>26 05 13 16-0038</b>		<b>5 KV Non-Shielded Single Copper Conductor</b> <small>(26 05 13 16-0002)</small>			
26 05 13 16-0039	MLF	1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	7,634.14		1,558.34
26 05 13 16-0040	MLF	2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	8,998.60		1,580.74
26 05 13 16-0041	MLF	3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	10,363.06		1,603.13
26 05 13 16-0042	MLF	4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	10,825.29		1,638.57
26 05 13 16-0043	MLF	350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	13,198.32		1,701.08
26 05 13 16-0044	MLF	500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	19,409.99		1,782.75
26 05 13 16-0045	MLF	750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	30,492.94		2,228.43
26 05 13 16-0046	MLF	1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	34,842.16		2,971.29
<b>26 05 13 16-0047</b>		<b>Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct</b> <small>(26 05 13 16-0002)</small>			
26 05 13 16-0048	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	3,719.69		781.96
26 05 13 16-0049	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,520.44		853.82
26 05 13 16-0050	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	5,484.01		964.69
26 05 13 16-0051	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,351.93		1,076.55
26 05 13 16-0052	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	7,220.15		1,188.54
26 05 13 16-0053	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	8,248.56		1,338.39
26 05 13 16-0054	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	10,381.55		1,485.59
26 05 13 16-0055	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	11,690.38		1,669.21
26 05 13 16-0056	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	14,081.66		1,857.07
26 05 13 16-0057	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	16,329.02		2,217.29
26 05 13 16-0058	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	20,896.77		2,606.38
26 05 13 16-0059	MLF	750 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	32,468.03		3,071.90
26 05 13 16-0060	MLF	1,000 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	44,044.14		3,537.20
<b>26 05 13 16-0061</b>		<b>Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial</b> <small>(26 05 13 16-0002)</small>			
Note: Excludes excavation.					
26 05 13 16-0062	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,621.95		
26 05 13 16-0063	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,242.95		
26 05 13 16-0064	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,929.32		
26 05 13 16-0065	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,609.88		
26 05 13 16-0066	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,289.58		
26 05 13 16-0067	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,943.27		
26 05 13 16-0068	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,891.49		
26 05 13 16-0069	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,741.27		
26 05 13 16-0070	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,850.83		
26 05 13 16-0071	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	13,295.17		
26 05 13 16-0072	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	16,978.13		
<b>26 05 13 16-0073</b>		<b>Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial)</b> <small>(26 05 13 16-0002)</small>			
26 05 13 16-0074	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,052.75		486.40
26 05 13 16-0075	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,766.96		521.53
26 05 13 16-0076	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,818.48		659.51
26 05 13 16-0077	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,592.31		729.55
26 05 13 16-0078	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,368.78		800.62
26 05 13 16-0079	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,391.12		939.86
26 05 13 16-0080	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,513.51		1,074.83
26 05 13 16-0081	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,819.39		1,247.11
26 05 13 16-0082	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,593.37		1,568.95
26 05 13 16-0083	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	16,042.09		1,985.21
26 05 13 16-0084	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	20,985.10		2,494.22
<b>26 05 13 16-0085</b>		<b>15 KV Cable</b> <small>(26 05 13 16-0001)</small>			
<b>26 05 13 16-0086</b>		<b>Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable</b> <small>(26 05 13 16-0085)</small>			
<b>26 05 13 16-0087</b>		<b>Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct</b> <small>(26 05 13 16-0086)</small>			
26 05 13 16-0088	MLF	#4 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	7,494.31		1,558.34
26 05 13 16-0089	MLF	#2 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,226.33		1,558.34
26 05 13 16-0090	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,505.56		1,558.34
26 05 13 16-0091	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	9,415.17		1,558.34
26 05 13 16-0092	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	10,278.52		1,558.34
26 05 13 16-0093	MLF	3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	11,898.35		1,626.65
26 05 13 16-0094	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	12,237.53		1,626.65
26 05 13 16-0095	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	14,273.83		1,701.08
26 05 13 16-0096	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	16,362.30		1,740.97
26 05 13 16-0097	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	20,350.44		1,961.02



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**26 05 13 16-0098 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial (26 05 13 16-0098)**

Note: Excludes excavation.

26 05 13 16-0099	MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,829.25	
26 05 13 16-0100	MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,738.85	
26 05 13 16-0101	MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,602.21	
26 05 13 16-0102	MLF 3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,243.59	
26 05 13 16-0103	MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,582.76	
26 05 13 16-0104	MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,710.82	
26 05 13 16-0105	MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	14,802.41	
26 05 13 16-0106	MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	18,567.71	

**26 05 13 16-0107 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) (26 05 13 16-0098)**

26 05 13 16-0108	MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,449.45	694.84
26 05 13 16-0109	MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,639.18	800.62
26 05 13 16-0110	MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,871.21	939.86
26 05 13 16-0111	MLF 3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,677.87	1,074.83
26 05 13 16-0112	MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	11,473.14	1,247.11
26 05 13 16-0113	MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	13,865.33	1,451.81
26 05 13 16-0114	MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	16,489.27	1,691.72
26 05 13 16-0115	MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	20,651.22	1,965.10

**26 05 13 16-0116 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 16-0085)**

**26 05 13 16-0117 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct (26 05 13 16-0116)**

26 05 13 16-0118	MLF #4 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,142.03	1,558.34
26 05 13 16-0119	MLF #2 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,005.82	1,558.34
26 05 13 16-0120	MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,335.30	1,558.34
26 05 13 16-0121	MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	10,408.64	1,558.34
26 05 13 16-0122	MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	11,427.40	1,558.34
26 05 13 16-0123	MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	13,308.09	1,626.65
26 05 13 16-0124	MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	13,708.32	1,626.65
26 05 13 16-0125	MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	16,077.62	1,701.08
26 05 13 16-0126	MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	18,524.07	1,740.97
26 05 13 16-0127	MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	23,131.06	1,961.02

**26 05 13 16-0128 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial (26 05 13 16-0116)**

Note: Excludes excavation.

26 05 13 16-0129	MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,659.00	
26 05 13 16-0130	MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,732.33	
26 05 13 16-0131	MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,751.09	
26 05 13 16-0132	MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,653.33	
26 05 13 16-0133	MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,053.54	
26 05 13 16-0134	MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	14,509.36	
26 05 13 16-0135	MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	16,957.20	
26 05 13 16-0136	MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	21,348.33	

**26 05 13 16-0137 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) (26 05 13 16-0116)**

26 05 13 16-0138	MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,279.20	694.84
26 05 13 16-0139	MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,632.66	800.62
26 05 13 16-0140	MLF 2/0 AWG, EPEPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,020.09	939.86
26 05 13 16-0141	MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	12,087.61	1,074.83
26 05 13 16-0142	MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	12,943.92	1,247.11
26 05 13 16-0143	MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	15,669.13	1,451.81
26 05 13 16-0144	MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	18,651.05	1,691.72
26 05 13 16-0145	MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	23,431.84	1,965.10

**26 05 13 16-0146 15 KV Non-Shielded Single Copper Conductor (26 05 13 16-0085)**

26 05 13 16-0147	MLF 1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,400.27	1,563.80
26 05 13 16-0148	MLF 2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,621.02	1,601.19
26 05 13 16-0149	MLF 3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	15,193.78	1,638.57
26 05 13 16-0150	MLF 350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	21,367.91	1,747.77

**26 05 13 16-0151 Shielded, Armored Copper, 15 KV, 3 Conductor Cable (26 05 13 16-0085)**

**26 05 13 16-0152 Galvanized Steel Interlocked Armor Cable (26 05 13 16-0151)**

Note: Laid in cable tray or hung in vertical cable shaft.

26 05 13 16-0153	LF 3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	49.87	11.92
26 05 13 16-0154	LF 3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	61.02	12.70

**26 Electrical****26 05 Common Work Results for Electrical****26 05 13 Medium-Voltage Cables**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 13 16-0155		<b>Aluminum Interlocked Armor Cable</b> (26 05 13 16-0151)			
26 05 13 16-0156	LF	3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	49.87		11.92
26 05 13 16-0157	LF	3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	61.02		12.70
26 05 13 16-0158		<b>Type URD, 15 KV Primary Concentric UD Cable</b> (26 05 13 16-0085)			
Note: 0.175" XLPE insulation, copper conductor.					
26 05 13 16-0159	MLF	#4 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	3,700.09		781.96
26 05 13 16-0160	MLF	#2 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	4,493.94		853.82
26 05 13 16-0161	MLF	#1 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	5,449.89		964.69
26 05 13 16-0162	MLF	1/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	7,165.05		1,185.31
26 05 13 16-0163	MLF	2/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	8,184.11		1,334.38
26 05 13 16-0164	MLF	3/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	10,307.50		1,485.59
26 05 13 16-0165	MLF	4/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	11,591.33		1,662.97
26 05 13 16-0166		<b>15 KV, URD Copper Cable, Direct Burial</b> (26 05 13 16-0085)			
26 05 13 16-0167	MLF	3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial .....	20,747.09		
26 05 13 16-0168		<b>Wire Connections</b> (26 05 13 16-0001)			
26 05 13 16-0169		<b>Medium Voltage Up To 5 KV</b> (26 05 13 16-0168)			
26 05 13 16-0170		<b>Shielded One Conductor Cable Splice</b> (26 05 13 16-0169)			
26 05 13 16-0171	EA	#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	256.20		96.26
26 05 13 16-0172	EA	#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	314.82		96.26
26 05 13 16-0173	EA	1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	314.82		96.26
26 05 13 16-0174	EA	2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	343.47		115.51
26 05 13 16-0175	EA	3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	343.47		115.51
26 05 13 16-0176	EA	4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	343.47		115.51
26 05 13 16-0177	EA	250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	381.66		134.77
26 05 13 16-0178	EA	350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	381.66		134.77
26 05 13 16-0179	EA	500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	381.66		134.77
26 05 13 16-0180		<b>Cable Termination Without Stress Cone</b> (26 05 13 16-0169)			
26 05 13 16-0181	EA	#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV .....	353.62		115.51
26 05 13 16-0182	EA	250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV .....	409.29		134.77
26 05 13 16-0183		<b>Cable Termination With Stress Cone</b> (26 05 13 16-0169)			
26 05 13 16-0184	EA	#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV .....	962.15		231.02
26 05 13 16-0185	EA	250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV .....	1,327.37		317.66
26 05 13 16-0186		<b>Connect To Pothead, Pothead Included</b> (26 05 13 16-0169)			
26 05 13 16-0187	EA	#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV .....	997.56		231.02
26 05 13 16-0188	EA	250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV .....	1,255.84		264.72
26 05 13 16-0189		<b>Two Conductor Pothead</b> (26 05 13 16-0169)			
Note: Includes 5 KV pothead.					
26 05 13 16-0190	EA	#6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	855.02		317.66
26 05 13 16-0191	EA	250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	1,122.09		404.30
26 05 13 16-0192	EA	400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	1,587.71		458.40
26 05 13 16-0193	EA	750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	2,411.45		534.83
26 05 13 16-0194	EA	1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	4,288.11		802.14
26 05 13 16-0195		<b>Three Conductor Pothead</b> (26 05 13 16-0169)			
Note: Includes 5 KV pothead.					
26 05 13 16-0196	EA	#6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	2,785.37		462.06
26 05 13 16-0197	EA	250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	3,076.58		539.06
26 05 13 16-0198		<b>Copper Cable Splice, Crimp Compression Connection</b> (26 05 13 16-0169)			
Note: For bare wire.					
26 05 13 16-0199	EA	#6 AWG Crimp Compression Connection For Bare Copper Wire .....	63.69		
26 05 13 16-0200	EA	#4 AWG Crimp Compression Connection For Bare Copper Wire .....	70.03		
26 05 13 16-0201	EA	#3 AWG Crimp Compression Connection For Bare Copper Wire .....	81.67		
26 05 13 16-0202	EA	#2 AWG Crimp Compression Connection For Bare Copper Wire .....	92.80		
26 05 13 16-0203	EA	#1 AWG Crimp Compression Connection For Bare Copper Wire .....	104.65		
26 05 13 16-0204	EA	1/0 AWG Crimp Compression Connection For Bare Copper Wire .....	116.22		
26 05 13 16-0205	EA	2/0 AWG Crimp Compression Connection For Bare Copper Wire .....	127.67		
26 05 13 16-0206	EA	3/0 AWG Crimp Compression Connection For Bare Copper Wire .....	139.59		
26 05 13 16-0207	EA	4/0 AWG Crimp Compression Connection For Bare Copper Wire .....	151.23		
26 05 13 16-0208	EA	250 MCM Crimp Compression Connection For Bare Copper Wire .....	163.09		
26 05 13 16-0209	EA	300 MCM Crimp Compression Connection For Bare Copper Wire .....	175.20		
26 05 13 16-0210	EA	350 MCM Crimp Compression Connection For Bare Copper Wire .....	186.68		
26 05 13 16-0211	EA	400 MCM Crimp Compression Connection For Bare Copper Wire .....	210.76		
26 05 13 16-0212	EA	500 MCM Crimp Compression Connection For Bare Copper Wire .....	235.49		

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 13 16-0213	<b>Aluminum Cable Splice, Crimp Compression Connection</b> <small>(26 05 13 16-0169)</small> Note: For bare wire.		
26 05 13 16-0214	EA #6 AWG Crimp Compression Connection For Bare Aluminum Wire.....	64.95	
26 05 13 16-0215	EA #4 AWG Crimp Compression Connection For Bare Aluminum Wire.....	70.72	
26 05 13 16-0216	EA #2 AWG Crimp Compression Connection For Bare Aluminum Wire.....	95.11	
26 05 13 16-0217	EA #1 AWG Crimp Compression Connection For Bare Aluminum Wire.....	110.51	
26 05 13 16-0218	EA 1/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	121.75	
26 05 13 16-0219	EA 2/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	132.95	
26 05 13 16-0220	EA 3/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	145.72	
26 05 13 16-0221	EA 4/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	157.71	
26 05 13 16-0222	EA 250 MCM Crimp Compression Connection For Bare Aluminum Wire.....	169.42	
26 05 13 16-0223	EA 300 MCM Crimp Compression Connection For Bare Aluminum Wire.....	181.39	
26 05 13 16-0224	EA 350 MCM Crimp Compression Connection For Bare Aluminum Wire.....	193.18	
26 05 13 16-0225	EA 400 MCM Crimp Compression Connection For Bare Aluminum Wire.....	220.06	
26 05 13 16-0226	EA 500 MCM Crimp Compression Connection For Bare Aluminum Wire.....	247.10	
26 05 13 16-0227	<b>15 KV</b> <small>(26 05 13 16-0168)</small>		
26 05 13 16-0228	<b>Single Conductor Pothead On Racks</b> <small>(26 05 13 16-0227)</small> Note: Includes pothead.		
26 05 13 16-0229	EA #2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks.....	1,048.13	404.30
26 05 13 16-0230	EA 250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks.....	1,328.74	500.55
26 05 13 16-0231	<b>Two Conductor Pothead On Rack</b> <small>(26 05 13 16-0227)</small> Note: Includes pothead.		
26 05 13 16-0232	EA #2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks.....	1,565.83	616.07
26 05 13 16-0233	EA 250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks.....	1,872.42	731.59
26 05 13 16-0234	<b>Three Conductor Pothead On Rack</b> <small>(26 05 13 16-0227)</small> Note: Includes pothead.		
26 05 13 16-0235	EA #2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks.....	2,011.11	798.96
26 05 13 16-0236	EA 250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks.....	2,508.18	1,001.12
26 05 13 16-0237	<b>Stress Relief Cone On Rack</b> <small>(26 05 13 16-0227)</small>		
26 05 13 16-0238	EA #2 To 4/0 AWG Stress Relief Cone, On Rack.....	1,005.35	404.30
26 05 13 16-0239	EA 250 To 500 MCM Stress Relief Cone, On Rack.....	1,280.64	500.55
26 05 13 16-0240	<b>Grounded, Shielded Cable Splice</b> <small>(26 05 13 16-0227)</small>		
26 05 13 16-0241	EA #2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV.....	711.09	298.41
26 05 13 16-0242	EA 250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV.....	913.32	385.04
26 05 13 16-0243	EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way.....	3,734.33	1,058.87
26 05 13 16-0244	EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 3-Way.....	4,626.16	1,155.14
26 05 13 16-0245	<b>Cable Termination</b> <small>(26 05 13 16-0227)</small>		
26 05 13 16-0246	EA #2 To 3/0 AWG Cable Termination 15 KV.....	447.33	168.46
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.08	
26 05 13 16-0247	EA 4/0 To 250 MCM Cable Termination 15 KV.....	568.27	216.58
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.95	
26 05 13 16-0248	EA 350 To 500 MCM Cable Termination 15 KV.....	701.35	264.72
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.83	
26 05 13 16-0249	EA #2 To 3/0 AWG Cable Elbow Termination 15 KV.....	275.82	96.26
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.76	
26 05 13 16-0250	<b>Stress Cones, 5-15 KV, 4 Skirted</b> <small>(26 05 13 16-0227)</small>		
26 05 13 16-0251	EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	496.84	125.14
26 05 13 16-0252	EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	562.21	138.30
26 05 13 16-0253	EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted.....	657.02	151.36
26 05 13 16-0254	EA 400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted.....	828.26	174.39
26 05 13 16-0255	<b>Stress Cones, 5-15 KV, 6 Skirted</b> <small>(26 05 13 16-0227)</small>		
26 05 13 16-0256	EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	993.69	250.71
26 05 13 16-0257	EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	1,124.53	276.62
26 05 13 16-0258	EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted.....	1,302.81	297.10
26 05 13 16-0259	EA 400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted.....	1,656.51	348.77
26 05 13 16-0260	<b>35 KV</b> <small>(26 05 13 16-0168)</small>		
26 05 13 16-0261	<b>35 KV One Conductor Splice</b> <small>(26 05 13 16-0260)</small>		
26 05 13 16-0262	EA #1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing.....	1,770.66	
26 05 13 16-0263	<b>Cable Termination</b> <small>(26 05 13 16-0260)</small>		
26 05 13 16-0264	EA #2 To 3/0 AWG Cable Termination, 35 KV.....	364.41	115.61
26 05 13 16-0265	EA 3/0 AWG To 250 MCM, 35 KV, Cable Termination.....	511.79	174.43

**26 Electrical****26 05 Common Work Results for Electrical****26 05 13 Medium-Voltage Cables**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 13 16-0266	EA	350 To 500 MCM Cable Termination 35 KV .....	580.59	186.55
26 05 13 16-0267	EA	#2 To 3/0 AWG Cable Elbow Termination 35 KV .....	293.04	96.26

**26 05 13 16-0268 70 KV** (26 05 13 16-0168)**26 05 13 16-0269 Cable Splice** (26 05 13 16-0268)

26 05 13 16-0270	EA	350 MCM, 70 KV, Cable Splicing .....	6,948.94	
26 05 13 16-0271	EA	#2 To 4/0, 70 KV, Cable Splicing .....	1,813.93	

**26 05 19 Low-Voltage Electrical Power Conductors and Cables** (26 05)**26 05 19 13 Undercarpet Electrical Power Cables** (26 05 19)**26 05 19 13-0001 Under Carpet Power System** (26 05 19 13)

Note: Includes laying out, floor prep, taping, testing, drill floor, folds.

26 05 19 13-0002	LF	3-Conductor, #12 Flat Cable With Attached Bottom Shield .....	4.97	0.44
26 05 19 13-0003	LF	Steel, Top Shield .....	8.82	0.44
26 05 19 13-0004	EA	3-Conductor, Splice .....	28.15	7.47
26 05 19 13-0005	EA	Splice Top Shield For 3 Conductor .....	8.12	3.52
26 05 19 13-0006	EA	3-Conductor, Tap .....	35.11	8.79
26 05 19 13-0007	EA	Insulating Patch, Splice Tap And End .....	54.78	7.47
26 05 19 13-0008	EA	3-Conductor, Transition Block Assembly .....	35.74	4.39
26 05 19 13-0009	EA	Single, Direct Connected, Receptacle With Box .....	107.80	14.06
26 05 19 13-0010	EA	Dual, Direct Connected, Receptacle With Box .....	179.66	21.98
26 05 19 13-0011	EA	Floor Mounted Box With Cover .....	179.06	17.59
26 05 19 13-0012	LF	5-Conductor, #12 Cable With Attached Bottom Shield .....	7.91	0.44
26 05 19 13-0013	LF	Steel, Top Shield For 5-Conductor Cable .....	7.85	0.44
26 05 19 13-0014	EA	5-Conductor, Splice .....	28.53	7.47
26 05 19 13-0015	EA	5-Conductor, Transition Block Assembly .....	47.29	4.39
26 05 19 13-0016	EA	Box, Wall, Flush With Cover .....	80.31	17.59
26 05 19 13-0017	EA	Telephone, Transition Fitting Wall Box .....	52.91	14.51
26 05 19 13-0018	EA	RJ-45, Telephone Fitting With Duplex Jack And Cover .....	69.66	16.70
26 05 19 13-0019	EA	Miniature Telephone With Duplex RJ-45 .....	29.98	6.59
26 05 19 13-0020	LF	4-Pair, Level 5, Under Carpet Telephone Wire .....	1.74	0.44
26 05 19 13-0021	EA	BNC, Coax Plug, Connector .....	23.90	8.79
26 05 19 13-0022	EA	TNC, Coax Plug, Connector .....	23.90	8.79
26 05 19 13-0023	CLF	Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm .....	125.65	43.97

**26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables** (26 05 19)**26 05 19 16-0001 Cable Installation Methods** (26 05 19 16)**26 05 19 16-0002 Pull Cord** (26 05 19 16-0001)

Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.

26 05 19 16-0003	LF	Pull String Installed To Remain In Place, In Existing Conduit .....	0.30	
26 05 19 16-0004	LF	Pull String Installed To Remain In Place, In New Conduits .....	0.15	
26 05 19 16-0005	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit .....	0.50	
26 05 19 16-0006	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits .....	0.31	

**26 05 19 16-0007 Bore Conduit Into Dirt Or Sand** (26 05 19 16-0001)

Note: For installation under roads, driveways or other structures up to 20'.

26 05 19 16-0008	LF	Bore 1" To 4" Conduit Into Dirt Or Sand .....	2.84	
26 05 19 16-0009	LF	Bore 5" To 8" Conduit Into Dirt Or Sand .....	3.62	
26 05 19 16-0010	EA	Boring Minimum Set-Up Charge .....	398.72	

Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.

**26 05 19 16-0011 Wire and Cable** (26 05 19 16)

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0057 for various conduit types.

**26 05 19 16-0012 600 Volt Wire** (26 05 19 16-0011)**26 05 19 16-0013 Single Solid Conductor, Copper** (26 05 19 16-0012)

26 05 19 16-0014	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit .....	570.54	213.41
26 05 19 16-0015	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit .....	724.15	251.04
26 05 19 16-0016	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit .....	912.33	306.97
26 05 19 16-0017	MLF	#14 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit .....	751.89	213.41
26 05 19 16-0018	MLF	#12 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit .....	919.07	251.04
26 05 19 16-0019	MLF	#10 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit .....	1,118.85	306.97

**26 05 19 16-0020 Power Cable, Stranded Conductor, Copper** (26 05 19 16-0012)**26 05 19 16-0021 Power Cable, Stranded, Single Conductor, XHHW-2** (26 05 19 16-0020)

26 05 19 16-0022	MLF	#16 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit .....	614.49	175.86
26 05 19 16-0023	MLF	#14 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit .....	720.90	211.03
26 05 19 16-0024	MLF	#12 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit .....	905.34	246.21
26 05 19 16-0025	MLF	#10 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit .....	1,142.45	281.38
26 05 19 16-0026	MLF	#8 AWG, XLP (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit .....	1,553.58	351.72

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 19 16-0027	MLF	#6 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	2,169.99	422.07
26 05 19 16-0028	MLF	#4 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	3,038.10	527.59
26 05 19 16-0029	MLF	#3 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	3,629.82	597.93
26 05 19 16-0030	MLF	#2 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	4,351.24	668.28
26 05 19 16-0031	MLF	#1 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	5,514.58	738.62
26 05 19 16-0032	MLF	1/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	6,672.64	844.14
26 05 19 16-0033	MLF	2/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	8,075.79	949.66
26 05 19 16-0034	MLF	3/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	9,775.78	1,055.17
26 05 19 16-0035	MLF	4/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	11,853.94	1,160.69
26 05 19 16-0036	MLF	250 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	12,513.86	1,266.21
26 05 19 16-0037	MLF	300 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	15,012.24	1,371.74
26 05 19 16-0038	MLF	350 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	15,995.95	1,477.25
26 05 19 16-0039	MLF	400 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	17,985.97	1,582.77
26 05 19 16-0040	MLF	500 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	21,020.65	1,688.29
26 05 19 16-0041	MLF	600 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	24,363.14	1,828.98
26 05 19 16-0042	MLF	750 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	38,027.01	2,400.01
26 05 19 16-0043	MLF	1,000 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	54,288.99	2,391.74

**26 05 19 16-0044 Power Cable, Stranded, Multi Conductor, XHHW-2** (26 05 19 16-0020)

26 05 19 16-0045	MLF	2 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	1,441.78	421.98
26 05 19 16-0046	MLF	3 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	1,810.97	492.51
26 05 19 16-0047	MLF	4 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,268.15	597.93
26 05 19 16-0048	MLF	6 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,785.87	650.43
26 05 19 16-0049	MLF	7 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,067.62	685.77
26 05 19 16-0050	MLF	9 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,629.79	756.04
26 05 19 16-0051	MLF	10 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,163.31	788.04
26 05 19 16-0052	MLF	12 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,474.03	861.73
26 05 19 16-0053	MLF	14 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,992.89	914.67
26 05 19 16-0054	MLF	24 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,541.32	1,160.78
26 05 19 16-0055	MLF	37 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	11,461.04	1,723.46
26 05 19 16-0056	MLF	2 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	1,810.90	492.51
26 05 19 16-0057	MLF	3 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,364.38	597.93
26 05 19 16-0058	MLF	4 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,917.90	703.45
26 05 19 16-0059	MLF	2 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,460.09	632.84
26 05 19 16-0060	MLF	3 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,249.83	773.09
26 05 19 16-0061	MLF	4 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,218.52	985.01
26 05 19 16-0062	MLF	6 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,800.64	1,266.65
26 05 19 16-0063	MLF	9 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,996.04	1,618.02
26 05 19 16-0064	MLF	2 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,151.14	721.04
26 05 19 16-0065	MLF	3 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,133.17	844.14
26 05 19 16-0066	MLF	4 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,379.00	1,072.76
26 05 19 16-0067	MLF	2 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,252.15	808.97
26 05 19 16-0068	MLF	3 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,850.49	1,002.42
26 05 19 16-0069	MLF	4 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,550.06	1,236.31
26 05 19 16-0070	MLF	2 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,891.92	981.49
26 05 19 16-0071	MLF	3 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,963.98	1,122.62
26 05 19 16-0072	MLF	4 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	10,378.76	1,400.93
26 05 19 16-0073	MLF	2 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	8,349.85	1,195.51
26 05 19 16-0074	MLF	3 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	11,383.87	1,336.92
26 05 19 16-0075	MLF	4 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	15,118.72	1,758.63
26 05 19 16-0076	MLF	3 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	15,224.01	1,688.02
26 05 19 16-0077	MLF	4 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	19,945.65	2,109.48
26 05 19 16-0078	MLF	3 Conductors, 1/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	18,260.11	1,829.33
26 05 19 16-0079	MLF	3 Conductors, 2/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	22,378.58	2,109.48
26 05 19 16-0080	MLF	3 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	27,566.04	2,461.03
26 05 19 16-0081	MLF	4 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	36,461.74	3,164.22
26 05 19 16-0082	MLF	3 Conductors, 4/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	33,897.16	2,816.19
26 05 19 16-0083	MLF	3 Conductors, 250 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	35,955.41	3,164.22
26 05 19 16-0084	MLF	3 Conductors, 350 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	45,701.57	3,517.26
26 05 19 16-0085	MLF	3 Conductors, 500 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	60,063.95	3,865.64

**26 05 19 16-0086 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper**

(26 05 19 16-0012)  
 Note: Direct bury.

26 05 19 16-0087	MLF	#14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	868.06	
26 05 19 16-0088	MLF	#12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,023.65	
26 05 19 16-0089	MLF	#10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,308.76	
26 05 19 16-0090	MLF	#8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,739.28	
26 05 19 16-0091	MLF	#6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,500.13	
26 05 19 16-0092	MLF	#4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,319.88	
26 05 19 16-0093	MLF	#2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,886.32	
26 05 19 16-0094	MLF	#1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,163.17	
26 05 19 16-0095	MLF	1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,616.24	
26 05 19 16-0096	MLF	2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,295.17	
26 05 19 16-0097	MLF	3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,286.63	
26 05 19 16-0098	MLF	4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,778.44	
26 05 19 16-0099	MLF	250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,829.53	
26 05 19 16-0100	MLF	300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	16,687.78	
26 05 19 16-0101	MLF	350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	18,708.89	
26 05 19 16-0102	MLF	400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	21,089.21	
26 05 19 16-0103	MLF	500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	25,147.06	
26 05 19 16-0104	MLF	600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	29,817.80	
26 05 19 16-0105	MLF	750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	48,228.94	
26 05 19 16-0106	MLF	#14 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	713.07	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0107	MLF	#12 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	863.78	
26 05 19 16-0108	MLF	#10 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	1,051.73	
26 05 19 16-0109	MLF	#8 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	1,281.46	
26 05 19 16-0110	MLF	#6 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	1,687.75	
26 05 19 16-0111	MLF	#4 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	2,288.33	
26 05 19 16-0112	MLF	#2 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	3,169.61	
26 05 19 16-0113	MLF	#1 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	3,818.22	
26 05 19 16-0114	MLF	1/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	4,311.54	
26 05 19 16-0115	MLF	2/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	4,861.63	
26 05 19 16-0116	MLF	3/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	5,712.71	
26 05 19 16-0117	MLF	4/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	6,770.44	
26 05 19 16-0118	MLF	250 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	7,745.34	
26 05 19 16-0119	MLF	300 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	8,781.23	
26 05 19 16-0120	MLF	350 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	9,917.30	
26 05 19 16-0121	MLF	400 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	11,097.02	
26 05 19 16-0122	MLF	500 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	13,127.23	
26 05 19 16-0123	MLF	750 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	22,976.03	
26 05 19 16-0124	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	594.10	
26 05 19 16-0125	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	748.55	
26 05 19 16-0126	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	947.45	
26 05 19 16-0127	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	1,369.17	
26 05 19 16-0128	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	1,922.55	
26 05 19 16-0129	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	2,615.41	
26 05 19 16-0130	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	3,811.81	
26 05 19 16-0131	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	4,600.84	
26 05 19 16-0132	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	5,357.40	
26 05 19 16-0133	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	6,127.13	
26 05 19 16-0134	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	7,388.86	
26 05 19 16-0135	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	8,899.92	
26 05 19 16-0136	MLF	250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	10,546.52	
26 05 19 16-0137	MLF	300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	12,268.21	
26 05 19 16-0138	MLF	350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	14,129.64	
26 05 19 16-0139	MLF	400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	15,920.58	
26 05 19 16-0140	MLF	500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	19,130.37	
26 05 19 16-0141	MLF	600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	23,185.78	
26 05 19 16-0142	MLF	750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	37,769.23	
26 05 19 16-0143	MLF	#2 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	6,164.87	
26 05 19 16-0144	MLF	1/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	9,017.08	
26 05 19 16-0145	MLF	2/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	9,993.56	
26 05 19 16-0146	MLF	3/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	11,384.95	
26 05 19 16-0147	MLF	4/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	12,670.40	
26 05 19 16-0148	MLF	250 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	13,632.33	
26 05 19 16-0149	MLF	350 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	20,034.62	
26 05 19 16-0150	MLF	400 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	21,813.79	
26 05 19 16-0151	MLF	500 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	.....	25,046.92	

**26 05 19 16-0152 600 Volt, Armored Cable, Copper Conductors** (26 05 19 16-0012)**26 05 19 16-0153 ACTHH, Solid** (26 05 19 16-0152)

26 05 19 16-0154	MLF	1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable	.....	2,154.51	577.57
26 05 19 16-0155	MLF	1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable	.....	2,489.15	654.57
26 05 19 16-0156	MLF	1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable	.....	2,868.97	693.08
26 05 19 16-0157	MLF	2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	.....	3,059.04	962.61
26 05 19 16-0158	MLF	2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	.....	3,260.26	1,077.93
26 05 19 16-0159	MLF	2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	.....	4,190.82	1,194.31
26 05 19 16-0160	MLF	2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	.....	5,570.68	1,309.64
26 05 19 16-0161	MLF	3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	.....	3,730.90	1,077.93
26 05 19 16-0162	MLF	3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	.....	3,884.48	1,194.31
26 05 19 16-0163	MLF	3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	.....	5,033.55	1,348.23
26 05 19 16-0164	MLF	3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	.....	6,645.44	1,462.97
26 05 19 16-0165	MLF	4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	.....	4,482.52	1,194.31
26 05 19 16-0166	MLF	4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	.....	4,897.25	1,348.23
26 05 19 16-0167	MLF	4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	.....	6,310.76	1,501.77
26 05 19 16-0168	MLF	4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	.....	8,308.59	1,617.86

**26 05 19 16-0169 ACTHH, Stranded** (26 05 19 16-0152)

26 05 19 16-0170	MLF	2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	.....	5,764.12	1,387.02
26 05 19 16-0171	MLF	2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	.....	7,073.17	1,578.01
26 05 19 16-0172	MLF	3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	.....	6,838.54	1,540.18
26 05 19 16-0173	MLF	3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	.....	8,655.02	1,731.35

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0174	MLF	3	Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable .....	11,057.32	1,925.22
26 05 19 16-0175	MLF	3	Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable .....	12,751.11	2,115.63
26 05 19 16-0176	MLF	3	Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable .....	14,657.15	2,308.43
26 05 19 16-0177	MLF	4	Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable .....	8,883.07	1,847.63
26 05 19 16-0178	MLF	4	Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable .....	10,833.00	2,039.39
26 05 19 16-0179	MLF	4	Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable .....	14,090.73	2,233.45
26 05 19 16-0180	MLF	4	Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable .....	15,451.34	2,424.72
26 05 19 16-0181	MLF	4	Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable .....	18,436.48	2,615.80
<b>26 05 19 16-0182 HCFC, Solid (26 05 19 16-0152)</b>					
26 05 19 16-0183	MLF	2	Conductors, #14 AWG, Type HCF, Solid, Armored Cable .....	3,468.91	962.61
26 05 19 16-0184	MLF	2	Conductors, #12 AWG, Type HCF, Solid, Armored Cable .....	3,787.23	1,081.59
26 05 19 16-0185	MLF	2	Conductors, #10 AWG, Type HCF, Solid, Armored Cable .....	4,241.30	1,188.44
26 05 19 16-0186	MLF	3	Conductors, #14 AWG, Type HCF, Solid, Armored Cable .....	4,238.90	1,081.59
26 05 19 16-0187	MLF	3	Conductors, #12 AWG, Type HCF, Solid, Armored Cable .....	4,536.85	1,188.44
26 05 19 16-0188	MLF	3	Conductors, #10 AWG, Type HCF, Solid, Armored Cable .....	6,012.22	1,355.83
26 05 19 16-0189	MLF	4	Conductors, #14 AWG, Type HCF, Solid, Armored Cable .....	5,263.89	1,188.44
26 05 19 16-0190	MLF	4	Conductors, #12 AWG, Type HCF, Solid, Armored Cable .....	5,728.69	1,355.83
26 05 19 16-0191	MLF	4	Conductors, #10 AWG, Type HCF, Solid, Armored Cable .....	7,969.70	1,504.08
<b>26 05 19 16-0192 MC, Solid Or Stranded, Galvanized Steel Armor (26 05 19 16-0152)</b>					
26 05 19 16-0193	MLF	2	Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable .....	2,910.43	962.61
26 05 19 16-0194	MLF	2	Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable .....	3,252.02	1,081.59
26 05 19 16-0195	MLF	2	Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable .....	3,887.44	1,188.44
26 05 19 16-0196	MLF	2	Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable .....	4,923.02	1,269.97
26 05 19 16-0197	MLF	2	Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable .....	6,084.12	1,346.31
26 05 19 16-0198	MLF	3	Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable .....	3,355.67	1,081.59
26 05 19 16-0199	MLF	3	Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable .....	3,779.94	1,188.44
26 05 19 16-0200	MLF	3	Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable .....	4,773.50	1,355.83
26 05 19 16-0201	MLF	3	Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable .....	6,145.91	1,462.97
26 05 19 16-0202	MLF	3	Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable .....	7,161.99	1,578.01
26 05 19 16-0203	MLF	3	Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable .....	8,813.55	1,694.77
26 05 19 16-0204	MLF	3	Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable .....	12,089.84	1,809.42
26 05 19 16-0205	MLF	4	Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable .....	3,878.03	1,188.44
26 05 19 16-0206	MLF	4	Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable .....	4,441.60	1,355.83
26 05 19 16-0207	MLF	4	Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable .....	6,609.31	1,504.08
26 05 19 16-0208	MLF	4	Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable .....	8,893.05	1,656.84
26 05 19 16-0209	MLF	4	Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable .....	10,822.26	1,772.74
26 05 19 16-0210	MLF	4	Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable .....	14,197.66	1,887.48
26 05 19 16-0211	MLF	4	Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable .....	18,261.86	2,001.27
<b>26 05 19 16-0212 MC, Solid Or Stranded, Aluminum Armor (26 05 19 16-0152)</b>					
26 05 19 16-0213	MLF	2	Conductors, #14 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable .....	2,888.12	962.61
26 05 19 16-0214	MLF	2	Conductors, #12 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable .....	3,194.18	1,081.59
26 05 19 16-0215	MLF	2	Conductors, #10 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable .....	3,836.28	1,188.44
26 05 19 16-0216	MLF	3	Conductors, #14 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable .....	3,448.83	1,081.59
26 05 19 16-0217	MLF	3	Conductors, #12 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable .....	3,728.55	1,188.44
26 05 19 16-0218	MLF	3	Conductors, #10 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable .....	4,732.86	1,355.83
26 05 19 16-0219	MLF	4	Conductors, #14 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable .....	4,320.92	1,188.44
26 05 19 16-0220	MLF	4	Conductors, #12 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable .....	4,762.60	1,355.83
26 05 19 16-0221	MLF	4	Conductors, #10 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable .....	6,609.31	1,504.08
<b>26 05 19 16-0222 BX, Solid (26 05 19 16-0152)</b>					
26 05 19 16-0223	MLF	#14 AWG Cable - Type BX, 2 Conductors, Solid Copper, Armored Cable .....	3,934.31	1,283.45	
26 05 19 16-0224	MLF	#12 AWG Cable - Type BX, 2 Conductors, Solid Copper, Armored Cable .....	4,397.77	1,458.55	
26 05 19 16-0225	MLF	#10 AWG Cable - Type BX, 2 Conductors, Solid Copper, Armored Cable .....	5,619.01	1,718.93	
26 05 19 16-0226	MLF	#14 AWG Cable - Type BX, 3 Conductors, Solid Copper, Armored Cable .....	4,429.28	1,395.11	
26 05 19 16-0227	MLF	#12 AWG Cable - Type BX, 3 Conductors, Solid Copper, Armored Cable .....	5,394.42	1,718.93	
26 05 19 16-0228	MLF	#10 AWG Cable - Type BX, 3 Conductors, Solid Copper, Armored Cable .....	6,847.91	2,048.15	
26 05 19 16-0229	MLF	#14 AWG Cable - Type BX, 4 Conductors, Solid Copper, Armored Cable .....	5,089.70	1,527.95	
26 05 19 16-0230	MLF	#12 AWG Cable - Type BX, 4 Conductors, Solid Copper, Armored Cable .....	5,834.97	1,718.93	
26 05 19 16-0231	MLF	#10 AWG Cable - Type BX, 4 Conductors, Solid Copper, Armored Cable .....	8,078.11	2,187.73	
<b>26 05 19 16-0232 FPLP Solid TFN Red Armored Cable (26 05 19 16-0152)</b>					
Note: Color coded red.					
26 05 19 16-0233	MLF	#18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable .....	3,001.36	731.59	
26 05 19 16-0234	MLF	#18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable .....	3,408.93	847.10	
26 05 19 16-0235	MLF	#18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable .....	4,222.77	962.61	
26 05 19 16-0236	MLF	#18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable .....	4,842.61	1,078.12	
26 05 19 16-0237	MLF	#16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable .....	3,416.66	847.10	
26 05 19 16-0238	MLF	#16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable .....	4,037.21	962.61	
26 05 19 16-0239	MLF	#16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable .....	5,065.42	1,078.12	
26 05 19 16-0240	MLF	#16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable .....	5,761.18	1,193.63	
<b>26 05 19 16-0241 FPLP Solid THHN Red Armored Cable (26 05 19 16-0152)</b>					
Note: Color coded red.					
26 05 19 16-0242	MLF	#14/2 With #14 Ground Type THHN FPLP Red Armored Cable .....	3,796.12	962.61	
26 05 19 16-0243	MLF	#14/4 With #14 Ground Type THHN FPLP Red Armored Cable .....	4,709.76	1,078.12	
26 05 19 16-0244	MLF	#14/6 With #14 Ground Type THHN FPLP Red Armored Cable .....	6,258.12	1,193.63	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

HUMBOLDT STATE UNIVERSITY

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 19 16-0245	MLF	#14/8 With #14 Ground Type THHN FPLP Red Armored Cable.....	7,253.29		1,309.15
26 05 19 16-0246	MLF	#12/2 With #12 Ground Type THHN FPLP Red Armored Cable.....	4,784.27		1,078.12
26 05 19 16-0247	MLF	#12/4 With #12 Ground Type THHN FPLP Red Armored Cable.....	5,849.74		1,193.63
<b>26 05 19 16-0248</b>		<b>FPLP Twisted Shielded Pair Red Armored Cable</b> <small>(26 05 19 16-0152)</small>			
		Note: Color coded red.			
26 05 19 16-0249	MLF	#18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	3,254.40		731.59
26 05 19 16-0250	MLF	#18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	5,211.62		1,078.12
26 05 19 16-0251	MLF	#16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	4,000.76		847.10
26 05 19 16-0252	MLF	#16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable.....	4,724.63		962.61
26 05 19 16-0253	MLF	#16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	6,565.27		1,193.63
26 05 19 16-0254	MLF	#14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	4,686.64		1,001.12
26 05 19 16-0255	MLF	#14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	5,787.21		1,155.14
<b>26 05 19 16-0256</b>		<b>Armored Cable Connectors</b> <small>(26 05 19 16-0152)</small>			
26 05 19 16-0257	EA	3/4" Armored Cable Connector.....	5.80		2.11
		For Work In Restricted Working Space, Add	1.58		
		For Elevated Installation >10' To 15', Add	0.53		
		For Elevated Installation >15' To 20', Add	1.06		
		For Elevated Installation >20' To 25', Add	1.32		
		For Elevated Installation >25' To 30', Add	1.85		
		For Elevated Installation >30' To 35', Add	2.11		
		For Elevated Installation >35' To 40', Add	2.64		
		For Elevated Installation >40', Add	2.90		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.58		
26 05 19 16-0258	EA	1" Armored Cable Connector.....	7.74		2.81
		For Work In Restricted Working Space, Add	2.11		
		For Elevated Installation >10' To 15', Add	0.70		
		For Elevated Installation >15' To 20', Add	1.41		
		For Elevated Installation >20' To 25', Add	1.76		
		For Elevated Installation >25' To 30', Add	2.46		
		For Elevated Installation >30' To 35', Add	2.81		
		For Elevated Installation >35' To 40', Add	3.52		
		For Elevated Installation >40', Add	3.87		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.11		
26 05 19 16-0259	EA	1-1/4" Armored Cable Connector.....	9.72		3.52
		For Work In Restricted Working Space, Add	2.64		
		For Elevated Installation >10' To 15', Add	0.88		
		For Elevated Installation >15' To 20', Add	1.76		
		For Elevated Installation >20' To 25', Add	2.20		
		For Elevated Installation >25' To 30', Add	3.08		
		For Elevated Installation >30' To 35', Add	3.52		
		For Elevated Installation >35' To 40', Add	4.40		
		For Elevated Installation >40', Add	4.83		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.64		
<b>26 05 19 16-0260</b>		<b>600 Volt, Feeder Wire, Single Stranded Copper</b> <small>(26 05 19 16-0012)</small>			
26 05 19 16-0261	MLF	#14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	841.05		140.95
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	109.71		
		For EPR Insulation, Add	47.02		
26 05 19 16-0262	MLF	#12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	935.06		156.08
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	111.84		
		For EPR Insulation, Add	47.93		
26 05 19 16-0263	MLF	#10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,169.97		195.12
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	163.28		
		For EPR Insulation, Add	69.98		
26 05 19 16-0264	MLF	#8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,646.26		310.40
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	268.43		
		For EPR Insulation, Add	115.04		
26 05 19 16-0265	MLF	#6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,343.95		372.48
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	451.07		
		For EPR Insulation, Add	193.32		
26 05 19 16-0266	MLF	#4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,268.73		432.44
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	682.42		
		For EPR Insulation, Add	292.46		
26 05 19 16-0267	MLF	#3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,735.58		494.96
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	784.26		
		For EPR Insulation, Add	336.11		
26 05 19 16-0268	MLF	#2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,837.36		557.48
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,108.33		
		For EPR Insulation, Add	475.00		
26 05 19 16-0269	MLF	#1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	6,125.25		620.89
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,497.54		
		For EPR Insulation, Add	641.80		
26 05 19 16-0270	MLF	1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	7,454.14		700.46
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,870.33		
		For EPR Insulation, Add	801.57		
26 05 19 16-0271	MLF	2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	9,091.41		776.78
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	2,351.04		
		For EPR Insulation, Add	1,007.59		
26 05 19 16-0272	MLF	3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	11,031.98		867.18
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	2,937.91		
		For EPR Insulation, Add	1,259.10		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0273	MLF		4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit..... <i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i> <i>For EPR Insulation, Add</i>	12,487.69 3,355.08 1,437.89	964.17
26 05 19 16-0274	MLF		250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit..... <i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i> <i>For EPR Insulation, Add</i>	13,253.63 3,530.84 1,513.22	1,057.46
26 05 19 16-0275	MLF		300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit..... <i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i> <i>For EPR Insulation, Add</i>	15,820.91 4,337.05 1,858.74	1,162.46
26 05 19 16-0276	MLF		350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit..... <i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i> <i>For EPR Insulation, Add</i>	17,727.13 4,911.90 2,105.10	1,232.36
26 05 19 16-0277	MLF		400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit..... <i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i> <i>For EPR Insulation, Add</i>	19,969.03 5,604.24 2,401.82	1,377.37
26 05 19 16-0278	MLF		500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit..... <i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i> <i>For EPR Insulation, Add</i>	22,996.46 6,571.51 2,816.36	1,531.86
26 05 19 16-0279	MLF		600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit..... <i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i> <i>For EPR Insulation, Add</i>	27,144.45 7,900.20 3,385.80	1,593.76
26 05 19 16-0280	MLF		750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit..... <i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i> <i>For EPR Insulation, Add</i>	45,408.92 14,108.11 6,046.33	1,655.57
26 05 19 16-0281	MLF		1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit..... <i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i> <i>For EPR Insulation, Add</i>	57,751.11 18,304.77 7,844.90	1,769.01
26 05 19 16-0282	MLF		#16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,483.93	316.38
26 05 19 16-0283	MLF		#14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,908.03	351.72
26 05 19 16-0284	MLF		#12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,417.76	422.42
26 05 19 16-0285	MLF		#10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,875.88	492.24
26 05 19 16-0286	MLF		#8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,529.20	527.07
26 05 19 16-0287	MLF		#18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	434.73	175.86
26 05 19 16-0288	MLF		#16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	541.82	193.45
26 05 19 16-0289	MLF		#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	586.75	141.04
26 05 19 16-0290	MLF		#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	738.03	168.13
26 05 19 16-0291	MLF		#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	931.68	211.48
26 05 19 16-0292	MLF		#8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,341.66	278.74
26 05 19 16-0293	MLF		#6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,877.06	336.61
26 05 19 16-0294	MLF		#4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,545.30	397.80
26 05 19 16-0295	MLF		#3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,064.49	450.30
26 05 19 16-0296	MLF		#2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,701.48	504.28
26 05 19 16-0297	MLF		#1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,461.31	569.09
26 05 19 16-0298	MLF		1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,194.41	623.17
26 05 19 16-0299	MLF		2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,935.85	688.68
26 05 19 16-0300	MLF		3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	7,145.88	728.43
26 05 19 16-0301	MLF		4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	8,597.55	819.52
26 05 19 16-0302	MLF		250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	10,178.30	871.84
26 05 19 16-0303	MLF		300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	11,830.56	987.39
26 05 19 16-0304	MLF		350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	13,615.92	1,092.72
26 05 19 16-0305	MLF		400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	15,334.14	1,122.62
26 05 19 16-0306	MLF		500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	18,403.64	1,187.69
26 05 19 16-0307	MLF		600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	23,097.85	1,397.67
26 05 19 16-0308	MLF		750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	36,196.79	1,655.57
26 05 19 16-0309	MLF		1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	43,479.18	1,998.86
26 05 19 16-0310	MLF		#16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,730.95	422.42
26 05 19 16-0311	MLF		#14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,947.26	492.24
26 05 19 16-0312	MLF		#12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,248.55	563.20
26 05 19 16-0313	MLF		#10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,823.33	632.84
26 05 19 16-0314	MLF		#8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,185.28	703.45
26 05 19 16-0315	MLF		#6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,938.39	773.09
<b>26 05 19 16-0316</b>			<b>600 Volt, Feeder Wire, Single Stranded Aluminum</b> <small>(26 05 19 16-0012)</small>		
26 05 19 16-0317	MLF		#6 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	877.84	271.76
26 05 19 16-0318	MLF		#4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,034.60	316.00
26 05 19 16-0319	MLF		#2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,346.06	405.64
26 05 19 16-0320	MLF		#1 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,618.61	452.96
26 05 19 16-0321	MLF		1/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,859.38	510.32
26 05 19 16-0322	MLF		2/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,097.70	563.26
26 05 19 16-0323	MLF		3/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,445.86	635.67
26 05 19 16-0324	MLF		4/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,705.19	701.31
26 05 19 16-0325	MLF		250 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,089.49	770.97
26 05 19 16-0326	MLF		300 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,701.18	838.42
26 05 19 16-0327	MLF		350 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,896.34	905.84
26 05 19 16-0328	MLF		400 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,426.55	1,007.54
26 05 19 16-0329	MLF		500 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,877.25	1,109.21
26 05 19 16-0330	MLF		600 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	5,896.26	1,292.11
26 05 19 16-0331	MLF		700 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,619.02	1,416.51
26 05 19 16-0332	MLF		750 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,781.55	1,469.02
26 05 19 16-0333	MLF		1,000 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	9,083.89	1,782.01
26 05 19 16-0334	MLF		#8 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	957.99	312.25
26 05 19 16-0335	MLF		#6 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,078.04	351.72
26 05 19 16-0336	MLF		#4 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,326.70	432.71
26 05 19 16-0337	MLF		#2 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,658.60	530.41
26 05 19 16-0338	MLF		#1 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,047.96	624.41
26 05 19 16-0339	MLF		1/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,343.75	703.72

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0340	MLF		2/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	2,644.65	781.62
26 05 19 16-0341	MLF		3/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	2,989.80	852.76
26 05 19 16-0342	MLF		4/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	3,222.17	907.54
26 05 19 16-0343	MLF		250 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	3,591.30	971.03
26 05 19 16-0344	MLF		300 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	4,209.15	1,040.67
26 05 19 16-0345	MLF		350 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	4,444.48	1,124.21
26 05 19 16-0346	MLF		400 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	4,975.28	1,225.94
26 05 19 16-0347	MLF		500 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	5,624.52	1,406.91
26 05 19 16-0348	MLF		600 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	6,371.52	1,480.60
26 05 19 16-0349	MLF		700 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	6,984.66	1,560.96
26 05 19 16-0350	MLF		750 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	7,261.04	1,658.92
26 05 19 16-0351	MLF		1,000 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	10,447.78	2,324.92
26 05 19 16-0352	MLF		#6 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	1,125.04	351.72
26 05 19 16-0353	MLF		#4 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	1,397.38	432.62
26 05 19 16-0354	MLF		#2 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	1,735.01	531.11
26 05 19 16-0355	MLF		#1 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	2,134.84	620.89
26 05 19 16-0356	MLF		1/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	2,411.07	700.46
26 05 19 16-0357	MLF		2/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	2,714.27	776.78
26 05 19 16-0358	MLF		3/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	3,100.81	852.76
26 05 19 16-0359	MLF		4/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	3,364.12	907.54
26 05 19 16-0360	MLF		250 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	3,760.00	970.41
26 05 19 16-0361	MLF		300 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	4,430.35	1,041.99
26 05 19 16-0362	MLF		350 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	4,709.89	1,125.70
26 05 19 16-0363	MLF		400 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	5,192.22	1,223.13
26 05 19 16-0364	MLF		500 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	5,974.52	1,406.91
26 05 19 16-0365	MLF		600 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	6,710.46	1,476.63
26 05 19 16-0366	MLF		700 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	7,370.73	1,560.96
26 05 19 16-0367	MLF		750 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	7,687.31	1,653.91
<b>26 05 19 16-0368</b>			<b>Non-Metallic Sheathed Cable</b> (26 05 19 16-0012)		
<b>26 05 19 16-0369</b>			<b>Indoor Installation</b> (26 05 19 16-0368) Note: For NM, NM-B, NMC-B and NMS-B.		
26 05 19 16-0370	MLF		2 Conductors With Ground Cable, #14 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	1,930.60	668.20
			For Installation In Wood Stud Wall (Includes Drilling), Add	250.57	
26 05 19 16-0371	MLF		3 Conductors With Ground Cable, #14 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	2,375.86	808.97
			For Installation In Wood Stud Wall (Includes Drilling), Add	303.38	
26 05 19 16-0372	MLF		2 Conductors With Ground Cable, #12 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	2,113.20	759.73
			For Installation In Wood Stud Wall (Includes Drilling), Add	270.39	
26 05 19 16-0373	MLF		3 Conductors With Ground Cable, #12 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	2,628.53	843.97
			For Installation In Wood Stud Wall (Includes Drilling), Add	316.50	
26 05 19 16-0374	MLF		2 Conductors With Ground Cable, #10 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	2,665.60	844.41
			For Installation In Wood Stud Wall (Includes Drilling), Add	316.66	
26 05 19 16-0375	MLF		3 Conductors With Ground Cable, #10 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	3,266.65	985.01
			For Installation In Wood Stud Wall (Includes Drilling), Add	369.38	
26 05 19 16-0376	MLF		2 Conductors With Ground Cable, #8 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	3,392.04	1,011.21
			For Installation In Wood Stud Wall (Includes Drilling), Add	360.08	
26 05 19 16-0377	MLF		3 Conductors With Ground Cable, #8 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	4,398.38	1,222.25
			For Installation In Wood Stud Wall (Includes Drilling), Add	435.26	
26 05 19 16-0378	MLF		2 Conductors With Ground Cable, #6 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	4,077.61	1,151.90
			For Installation In Wood Stud Wall (Includes Drilling), Add	408.88	
26 05 19 16-0379	MLF		3 Conductors With Ground Cable, #6 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	5,251.43	1,389.32
			For Installation In Wood Stud Wall (Includes Drilling), Add	494.61	
26 05 19 16-0380	MLF		3 Conductors With Ground Cable, #4 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	6,795.94	1,530.01
			For Installation In Wood Stud Wall (Includes Drilling), Add	544.08	
26 05 19 16-0381	MLF		3 Conductors With Ground Cable, #3 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	9,432.45	1,661.91
			For Installation In Wood Stud Wall (Includes Drilling), Add	593.54	
<b>26 05 19 16-0382</b>			<b>Direct Burial Cable</b> (26 05 19 16-0368) Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.		
26 05 19 16-0383	MLF		2 Conductors With Ground Cable, #14 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	2,466.82	
26 05 19 16-0384	MLF		3 Conductors With Ground Cable, #14 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	3,170.95	
26 05 19 16-0385	MLF		2 Conductors With Ground Cable, #12 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	3,195.72	
26 05 19 16-0386	MLF		3 Conductors With Ground Cable, #12 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	3,866.78	
26 05 19 16-0387	MLF		2 Conductors With Ground Cable, #10 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	3,832.55	
26 05 19 16-0388	MLF		3 Conductors With Ground Cable, #10 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	4,871.80	
26 05 19 16-0389	MLF		2 Conductors With Ground Cable, #8 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	5,655.79	
26 05 19 16-0390	MLF		3 Conductors With Ground Cable, #8 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	7,341.46	
26 05 19 16-0391	MLF		2 Conductors With Ground Cable, #6 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	7,666.87	
26 05 19 16-0392	MLF		3 Conductors With Ground Cable, #6 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	9,186.01	
<b>26 05 19 16-0393</b>			<b>SEU Cable Copper, 3 Conductor</b> (26 05 19 16-0368)		
26 05 19 16-0394	MLF		12-12-12 Cable SEU Copper .....	3,055.40	847.39
26 05 19 16-0395	MLF		10-10-10 Cable SEU Copper .....	4,081.53	962.61

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0396	MLF		8-8-8 Cable SEU Copper .....	5,372.21	1,077.93
26 05 19 16-0397	MLF		6-6-8 Cable SEU Copper .....	6,846.63	1,155.62
26 05 19 16-0398	MLF		6-6-6 Cable SEU Copper .....	7,484.89	1,194.31
26 05 19 16-0399	MLF		4-4-6 Cable SEU Copper .....	9,483.79	1,309.64
26 05 19 16-0400	MLF		4-4-4 Cable SEU Copper .....	10,373.91	1,348.23
26 05 19 16-0401	MLF		3-3-5 Cable SEU Copper .....	12,341.93	1,462.97
26 05 19 16-0402	MLF		3-3-3 Cable SEU Copper .....	13,143.05	1,540.18
26 05 19 16-0403	MLF		2-2-4 Cable SEU Copper .....	14,108.18	1,617.86
26 05 19 16-0404	MLF		2-2-2 Cable SEU Copper .....	15,169.95	1,694.77
26 05 19 16-0405	MLF		1-1-1 Cable SEU Copper .....	18,937.84	1,925.22
26 05 19 16-0406	MLF		1/0-1/0-1/0 Cable SEU Copper .....	22,866.33	2,158.37
26 05 19 16-0407	MLF		2/0-2/0-2/0 Cable SEU Copper .....	27,952.17	2,430.88
26 05 19 16-0408	MLF		3/0-3/0-3/0 Cable SEU Copper .....	34,176.63	2,703.98
26 05 19 16-0409	MLF		4/0-4/0-4/0 Cable SEU Copper .....	38,204.75	3,017.59
<b>26 05 19 16-0410 SEU Cable Aluminum, 3 Conductor (26 05 19 16-0368)</b>					
26 05 19 16-0411	MLF		8-8-8 Cable SEU Aluminum .....	3,145.20	1,081.59
26 05 19 16-0412	MLF		6-6-6 Cable SEU Aluminum .....	3,538.31	1,188.44
26 05 19 16-0413	MLF		4-4-6 Cable SEU Aluminum .....	3,937.95	1,300.87
26 05 19 16-0414	MLF		4-4-4 Cable SEU Aluminum .....	4,116.80	1,355.83
26 05 19 16-0415	MLF		2-2-4 Cable SEU Aluminum .....	4,906.81	1,604.39
26 05 19 16-0416	MLF		2-2-2 Cable SEU Aluminum .....	5,193.65	1,688.80
26 05 19 16-0417	MLF		1-1-1 Cable SEU Aluminum .....	6,129.82	1,925.22
26 05 19 16-0418	MLF		1/0-1/0-2 Cable SEU Aluminum .....	6,476.73	2,026.58
26 05 19 16-0419	MLF		1/0-1/0-1/0 Cable SEU Aluminum .....	7,531.08	2,139.11
26 05 19 16-0420	MLF		2/0-2/0-1 Cable SEU Aluminum .....	7,316.66	2,291.98
26 05 19 16-0421	MLF		2/0-2/0-2/0 Cable SEU Aluminum .....	7,713.88	2,406.53
26 05 19 16-0422	MLF		3/0-3/0-1/0 Cable SEU Aluminum .....	8,296.24	2,519.92
26 05 19 16-0423	MLF		3/0-3/0-3/0 Cable SEU Aluminum .....	8,852.49	2,673.94
26 05 19 16-0424	MLF		4/0-4/0-2/0 Cable SEU Aluminum .....	9,417.36	2,890.72
26 05 19 16-0425	MLF		4/0-4/0-4/0 Cable SEU Aluminum .....	9,898.85	3,008.15
<b>26 05 19 16-0426 SER Cable Copper, 4 Conductor (26 05 19 16-0368)</b>					
26 05 19 16-0427	MLF		6-6-6-6 Cable SER Copper .....	11,996.38	1,387.02
26 05 19 16-0428	MLF		4-4-4-6 Cable SER Copper .....	16,046.59	1,501.77
26 05 19 16-0429	MLF		3-3-3-5 Cable SER Copper .....	18,978.37	1,694.77
26 05 19 16-0430	MLF		2-2-2-4 Cable SER Copper .....	22,416.89	1,847.63
26 05 19 16-0431	MLF		1-1-1-3 Cable SER Copper .....	27,575.10	2,115.63
26 05 19 16-0432	MLF		1/0-1/0-1/0-2 Cable SER Copper .....	35,614.03	2,424.72
26 05 19 16-0433	MLF		2/0-2/0-2/0-1 Cable SER Copper .....	43,100.42	2,615.80
26 05 19 16-0434	MLF		3/0-3/0-3/0-1/0 Cable SER Copper .....	52,449.79	2,925.85
<b>26 05 19 16-0435 Control Tray Cable, Low Voltage (26 05 19 16-0011)</b>					
Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.					
26 05 19 16-0436	MLF		2 Conductor #18 AWG, Stranded, Type TC Control Cable .....	909.63	426.55
			<i>For Work In Restricted Working Space, Add</i> .....	213.28	
26 05 19 16-0437	MLF		3 Conductor #18 AWG, Stranded, Type TC Control Cable .....	1,050.73	477.16
			<i>For Work In Restricted Working Space, Add</i> .....	238.58	
26 05 19 16-0438	MLF		4 Conductor #18 AWG, Stranded, Type TC Control Cable .....	1,102.78	477.12
			<i>For Work In Restricted Working Space, Add</i> .....	238.58	
26 05 19 16-0439	MLF		5 Conductor #18 AWG, Stranded, Type TC Control Cable .....	1,380.64	598.44
			<i>For Work In Restricted Working Space, Add</i> .....	299.22	
26 05 19 16-0440	MLF		7 Conductor #18 AWG, Stranded, Type TC Control Cable .....	1,740.60	729.26
			<i>For Work In Restricted Working Space, Add</i> .....	364.63	
26 05 19 16-0441	MLF		9 Conductor #18 AWG, Stranded, Type TC Control Cable .....	1,989.47	801.93
			<i>For Work In Restricted Working Space, Add</i> .....	400.97	
26 05 19 16-0442	MLF		12 Conductor #18 AWG, Stranded, Type TC Control Cable .....	2,370.29	911.20
			<i>For Work In Restricted Working Space, Add</i> .....	455.60	
26 05 19 16-0443	MLF		15 Conductor #18 AWG, Stranded, Type TC Control Cable .....	3,001.19	1,113.74
			<i>For Work In Restricted Working Space, Add</i> .....	556.87	
26 05 19 16-0444	MLF		19 Conductor #18 AWG, Stranded, Type TC Control Cable .....	3,434.97	1,215.04
			<i>For Work In Restricted Working Space, Add</i> .....	607.52	
26 05 19 16-0445	MLF		25 Conductor #18 AWG, Stranded, Type TC Control Cable .....	4,084.95	1,253.03
			<i>For Work In Restricted Working Space, Add</i> .....	626.51	
26 05 19 16-0446	MLF		30 Conductor #18 AWG, Stranded, Type TC Control Cable .....	5,007.65	1,565.36
			<i>For Work In Restricted Working Space, Add</i> .....	782.68	
26 05 19 16-0447	MLF		37 Conductor #18 AWG, Stranded, Type TC Control Cable .....	6,010.76	1,829.42
			<i>For Work In Restricted Working Space, Add</i> .....	914.71	
26 05 19 16-0448	MLF		2 Conductor #16 AWG, Stranded, Type TC Control Cable .....	996.68	449.33
			<i>For Work In Restricted Working Space, Add</i> .....	224.49	
26 05 19 16-0449	MLF		3 Conductor #16 AWG, Stranded, Type TC Control Cable .....	1,156.47	502.27
			<i>For Work In Restricted Working Space, Add</i> .....	251.13	
26 05 19 16-0450	MLF		4 Conductor #16 AWG, Stranded, Type TC Control Cable .....	1,348.14	578.24
			<i>For Work In Restricted Working Space, Add</i> .....	289.12	
26 05 19 16-0451	MLF		5 Conductor #16 AWG, Stranded, Type TC Control Cable .....	1,528.94	629.94
			<i>For Work In Restricted Working Space, Add</i> .....	314.97	
26 05 19 16-0452	MLF		7 Conductor #16 AWG, Stranded, Type TC Control Cable .....	1,935.85	767.65
			<i>For Work In Restricted Working Space, Add</i> .....	383.82	
26 05 19 16-0453	MLF		9 Conductor #16 AWG, Stranded, Type TC Control Cable .....	2,223.04	844.14
			<i>For Work In Restricted Working Space, Add</i> .....	422.07	
26 05 19 16-0454	MLF		12 Conductor #16 AWG, Stranded, Type TC Control Cable .....	2,663.11	959.16
			<i>For Work In Restricted Working Space, Add</i> .....	479.58	
26 05 19 16-0455	MLF		15 Conductor #16 AWG, Stranded, Type TC Control Cable .....	3,385.03	1,172.30
			<i>For Work In Restricted Working Space, Add</i> .....	586.15	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0456	MLF		19 Conductor #16 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	3,893.83 639.44	1,278.88
26 05 19 16-0457	MLF		25 Conductor #16 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	4,694.00 659.49	1,318.98
26 05 19 16-0458	MLF		30 Conductor #16 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	5,744.50 823.83	1,647.66
26 05 19 16-0459	MLF		37 Conductor #16 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	6,911.66 962.85	1,925.70
26 05 19 16-0460	MLF		2 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	1,083.32 234.51	469.03
26 05 19 16-0461	MLF		3 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	1,299.20 263.79	527.59
26 05 19 16-0462	MLF		4 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	1,525.48 301.52	603.04
26 05 19 16-0463	MLF		5 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	1,721.15 324.73	649.47
26 05 19 16-0464	MLF		7 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	2,302.69 398.06	796.14
26 05 19 16-0465	MLF		9 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	2,660.45 439.75	879.31
26 05 19 16-0466	MLF		12 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	3,279.62 490.66	981.32
26 05 19 16-0467	MLF		15 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	3,917.29 586.15	1,172.13
26 05 19 16-0468	MLF		19 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	6,716.85 680.86	1,362.06
26 05 19 16-0469	MLF		25 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	5,895.52 796.40	1,592.44
26 05 19 16-0470	MLF		30 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	6,863.86 889.78	1,779.56
26 05 19 16-0471	MLF		37 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	8,279.08 1,039.88	2,079.76
26 05 19 16-0472	MLF		2 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	1,268.83 251.13	502.27
26 05 19 16-0473	MLF		3 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	1,523.23 277.78	555.73
26 05 19 16-0474	MLF		4 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	1,858.21 319.72	639.44
26 05 19 16-0475	MLF		5 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	2,110.13 340.30	680.59
26 05 19 16-0476	MLF		7 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	2,795.41 405.72	811.44
26 05 19 16-0477	MLF		9 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	3,455.59 479.58	959.16
26 05 19 16-0478	MLF		12 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	4,216.39 541.04	1,082.09
26 05 19 16-0479	MLF		15 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	5,026.03 620.71	1,241.42
26 05 19 16-0480	MLF		19 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	5,952.67 703.54	1,407.08
26 05 19 16-0481	MLF		25 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	7,649.45 822.25	1,644.50
26 05 19 16-0482	MLF		30 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	8,855.32 961.00	1,922.01
26 05 19 16-0483	MLF		37 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	10,722.70 1,123.24	2,246.47
26 05 19 16-0484	MLF		2 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	1,523.94 263.79	527.59
26 05 19 16-0485	MLF		3 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	1,915.88 289.12	578.59
26 05 19 16-0486	MLF		4 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	2,341.09 329.75	659.49
26 05 19 16-0487	MLF		5 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	2,729.99 357.71	715.41
26 05 19 16-0488	MLF		7 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	3,708.44 448.98	897.96
26 05 19 16-0489	MLF		9 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	4,407.37 502.53	1,005.05
26 05 19 16-0490	MLF		12 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	5,135.57 586.15	1,172.30
26 05 19 16-0491	MLF		15 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	6,078.45 670.31	1,340.61
26 05 19 16-0492	MLF		19 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	7,222.23 759.73	1,519.46
26 05 19 16-0493	MLF		25 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	9,340.99 887.93	1,775.87
26 05 19 16-0494	MLF		30 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	10,806.79 1,037.77	2,075.54
26 05 19 16-0495	MLF		37 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	13,116.12 1,213.19	2,426.38

26 05 19 16-0496 **ACSR (Aluminum Conductor Steel Reinforced)** (26 05 19 16-0011)  
Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.

26 05 19 16-0497 **ACSR Cable** (26 05 19 16-0496)

26 05 19 16-0498	MLF		#4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,294.38	451.07
26 05 19 16-0499	MLF		#4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial)	1,360.59	468.37
26 05 19 16-0500	MLF		#2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,443.22	486.40



**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

HUMBOLDT STATE UNIVERSITY

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 19 16-0562		<b>#14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0553)</small>			
26 05 19 16-0563	LF	2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.52		0.38
26 05 19 16-0564	LF	3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.71		0.38
26 05 19 16-0565	LF	4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.06		0.38
26 05 19 16-0566		<b>#12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0553)</small>			
26 05 19 16-0567	LF	2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.83		0.38
26 05 19 16-0568	LF	3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.05		0.38
26 05 19 16-0569	LF	4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.36		0.38
26 05 19 16-0570		<b>#10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0553)</small>			
26 05 19 16-0571	LF	2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.47		0.48
26 05 19 16-0572	LF	3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.62		0.48
26 05 19 16-0573	LF	4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.85		0.48
26 05 19 16-0574		<b>600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0552)</small>			
26 05 19 16-0575		<b>#18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0574)</small>			
26 05 19 16-0576	LF	2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.19		0.38
26 05 19 16-0577	LF	3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.32		0.38
26 05 19 16-0578	LF	4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.50		0.38
26 05 19 16-0579	LF	5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.78		0.52
26 05 19 16-0580	LF	6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.07		0.53
26 05 19 16-0581	LF	7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.28		0.55
26 05 19 16-0582	LF	8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.64		0.56
26 05 19 16-0583	LF	10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.23		0.59
26 05 19 16-0584	LF	12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.90		0.60
26 05 19 16-0585	LF	14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.63		0.62
26 05 19 16-0586	LF	16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.75		0.63
26 05 19 16-0587	LF	18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.94		0.65
26 05 19 16-0588	LF	20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.77		0.66
26 05 19 16-0589	LF	24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.96		0.68
26 05 19 16-0590	LF	30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.37		0.72
26 05 19 16-0591		<b>#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0574)</small>			
26 05 19 16-0592	LF	2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.42		0.38
26 05 19 16-0593	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.53		0.38
26 05 19 16-0594	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.76		0.38
26 05 19 16-0595	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.93		0.52
26 05 19 16-0596	LF	6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.27		0.53
26 05 19 16-0597	LF	7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.60		0.55
26 05 19 16-0598	LF	8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.04		0.56
26 05 19 16-0599	LF	9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.20		0.58
26 05 19 16-0600	LF	10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.71		0.59
26 05 19 16-0601	LF	12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.59		0.60
26 05 19 16-0602	LF	14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.03		0.62
26 05 19 16-0603	LF	16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.88		0.63
26 05 19 16-0604	LF	18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.02		0.65
26 05 19 16-0605	LF	20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.06		0.66
26 05 19 16-0606	LF	24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.07		0.68
26 05 19 16-0607	LF	26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.22		0.69
26 05 19 16-0608	LF	30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	14.32		0.72
26 05 19 16-0609		<b>#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0574)</small>			
26 05 19 16-0610	LF	2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.74		0.38
26 05 19 16-0611	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.87		0.38
26 05 19 16-0612	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.19		0.38
26 05 19 16-0613	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.95		0.52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0614	LF		6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.82	0.53
26 05 19 16-0615	LF		7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.10	0.55
26 05 19 16-0616	LF		8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.81	0.56
26 05 19 16-0617	LF		9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.27	0.58
26 05 19 16-0618	LF		10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.04	0.59
26 05 19 16-0619	LF		12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.80	0.60
26 05 19 16-0620	LF		14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.65	0.62
26 05 19 16-0621	LF		16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.52	0.63
26 05 19 16-0622	LF		20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.84	0.66
26 05 19 16-0623	LF		24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	14.07	0.68
26 05 19 16-0624	LF		30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	16.72	0.72
<b>26 05 19 16-0625</b>			<b>#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0574)</small>		
26 05 19 16-0626	LF		2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.06	0.38
26 05 19 16-0627	LF		3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.31	0.38
26 05 19 16-0628	LF		4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.56	0.38
26 05 19 16-0629	LF		5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.59	0.52
26 05 19 16-0630	LF		6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.40	0.53
26 05 19 16-0631	LF		7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.21	0.55
26 05 19 16-0632	LF		8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.11	0.56
26 05 19 16-0633	LF		9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.73	0.58
26 05 19 16-0634	LF		10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.82	0.59
26 05 19 16-0635	LF		12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.11	0.60
26 05 19 16-0636	LF		14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.30	0.62
26 05 19 16-0637	LF		16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.50	0.63
26 05 19 16-0638	LF		18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	13.06	0.65
26 05 19 16-0639	LF		20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	15.13	0.66
26 05 19 16-0640	LF		24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	17.27	0.68
26 05 19 16-0641	LF		26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	19.41	0.69
26 05 19 16-0642	LF		28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	20.09	0.71
26 05 19 16-0643	LF		30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	20.83	0.72
<b>26 05 19 16-0644</b>			<b>#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0574)</small>		
26 05 19 16-0645	LF		2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.40	0.48
26 05 19 16-0646	LF		3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.61	0.48
26 05 19 16-0647	LF		4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.84	0.48
26 05 19 16-0648	LF		5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.91	0.52
26 05 19 16-0649	LF		6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.72	0.53
26 05 19 16-0650	LF		7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.98	0.55
26 05 19 16-0651	LF		10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.39	0.59
26 05 19 16-0652	LF		12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.98	0.60
26 05 19 16-0653	LF		16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	15.41	0.63
26 05 19 16-0654	LF		20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	22.67	0.66
<b>26 05 19 16-0655</b>			<b>#8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0574)</small>		
26 05 19 16-0656	LF		3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.11	0.58
26 05 19 16-0657	LF		4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.60	0.67
26 05 19 16-0658	LF		5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.84	0.67
<b>26 05 19 16-0659</b>			<b>#6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0574)</small>		
26 05 19 16-0660	LF		3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.56	0.67
26 05 19 16-0661	LF		4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	9.16	0.77
26 05 19 16-0662	LF		5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	11.00	0.96
<b>26 05 19 16-0663</b>			<b>#4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0574)</small>		
26 05 19 16-0664	LF		3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	12.23	0.96
26 05 19 16-0665	LF		4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	13.46	1.06
26 05 19 16-0666	LF		5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	16.35	1.15

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0667			<b>#2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b>		
26 05 19 16-0668	LF		3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	17.81	1.93
26 05 19 16-0669	LF		4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	22.72	2.41
26 05 19 16-0670	LF		5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	27.17	3.18
26 05 19 16-0671			<b>300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> (26 05 19 16-0552)		
26 05 19 16-0672			<b>#18 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord</b> (26 05 19 16-0671)		
26 05 19 16-0673	LF		2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.59	0.38
26 05 19 16-0674	LF		3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.79	0.38
26 05 19 16-0675	LF		4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.20	0.38
26 05 19 16-0676			<b>#16 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord</b> (26 05 19 16-0671)		
26 05 19 16-0677	LF		2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.72	0.38
26 05 19 16-0678	LF		3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.05	0.38
26 05 19 16-0679	LF		4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.20	0.38
26 05 19 16-0680			<b>#14 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord</b> (26 05 19 16-0671)		
26 05 19 16-0681	LF		2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.54	0.38
26 05 19 16-0682	LF		3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	3.87	0.38
26 05 19 16-0683	LF		4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	5.03	0.48
26 05 19 16-0684			<b>600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> (26 05 19 16-0552)		
26 05 19 16-0685			<b>#18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> (26 05 19 16-0684)		
26 05 19 16-0686	LF		2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.43	0.38
26 05 19 16-0687	LF		3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.99	0.38
26 05 19 16-0688	LF		4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.58	0.38
26 05 19 16-0689			<b>#16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> (26 05 19 16-0684)		
26 05 19 16-0690	LF		2 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.63	0.38
26 05 19 16-0691	LF		3 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.20	0.38
26 05 19 16-0692	LF		4 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.11	0.38
26 05 19 16-0693	LF		5 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.44	0.48
26 05 19 16-0694			<b>#14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> (26 05 19 16-0684)		
26 05 19 16-0695	LF		3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.34	0.38
26 05 19 16-0696	LF		4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.08	0.38
26 05 19 16-0697	LF		5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.57	0.48
26 05 19 16-0698			<b>#12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> (26 05 19 16-0684)		
26 05 19 16-0699	LF		3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.04	0.38
26 05 19 16-0700	LF		4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.69	0.38
26 05 19 16-0701	LF		5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	5.24	0.48
26 05 19 16-0702			<b>#10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> (26 05 19 16-0684)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0703 LF 3 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	4.64	0.48
26 05 19 16-0704 LF 4 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	5.23	0.48
26 05 19 16-0705 LF 5 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	5.78	0.48
<b>26 05 19 16-0706 Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0551)</small> Note: Includes thermoplastic elastomeric (TPE) insulation.		
<b>26 05 19 16-0707 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0706)</small>		
<b>26 05 19 16-0708 #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0707)</small>		
26 05 19 16-0709 LF 3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord .....	1.74	0.38
26 05 19 16-0710 LF 4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord .....	1.96	0.38
26 05 19 16-0711 LF 5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord .....	3.16	0.48
<b>26 05 19 16-0712 #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0707)</small>		
26 05 19 16-0713 LF 3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord .....	2.42	0.38
26 05 19 16-0714 LF 4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord .....	2.85	0.38
26 05 19 16-0715 LF 5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord .....	4.23	0.48
<b>26 05 19 16-0716 #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0707)</small>		
26 05 19 16-0717 LF 3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord .....	3.12	0.38
26 05 19 16-0718 LF 4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord .....	3.67	0.38
26 05 19 16-0719 LF 5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord .....	4.69	0.48
<b>26 05 19 16-0720 #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0707)</small>		
26 05 19 16-0721 LF 3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord .....	4.02	0.48
26 05 19 16-0722 LF 4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord .....	4.69	0.48
26 05 19 16-0723 LF 5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord .....	5.04	0.48
<b>26 05 19 16-0724 Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0551)</small> Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
<b>26 05 19 16-0725 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0724)</small>		
<b>26 05 19 16-0726 #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0725)</small>		
26 05 19 16-0727 LF 3 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron) .....	5.67	0.58
26 05 19 16-0728 LF 4 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron) .....	6.12	0.67
26 05 19 16-0729 LF 5 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron) .....	7.31	0.67
<b>26 05 19 16-0730 #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0725)</small>		
26 05 19 16-0731 LF 3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron) .....	6.06	0.67
26 05 19 16-0732 LF 4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron) .....	7.25	0.77
26 05 19 16-0733 LF 5 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron) .....	9.06	0.96
<b>26 05 19 16-0734 #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0725)</small>		
26 05 19 16-0735 LF 3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron) .....	8.51	0.67
26 05 19 16-0736 LF 4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron) .....	10.07	0.77
26 05 19 16-0737 LF 5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron) .....	13.02	0.96
<b>26 05 19 16-0738 Cord Grips, Cable Reels, Extension Cords, And Accessories</b> <small>(26 05 19 16-0550)</small>		
<b>26 05 19 16-0739 Cord Grips</b> <small>(26 05 19 16-0738)</small>		
26 05 19 16-0740 EA Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel .....	60.87	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		17.50
26 05 19 16-0741 EA Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel .....	61.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		17.50
<b>26 05 19 16-0742 Cable Reels</b> <small>(26 05 19 16-0738)</small> Note: Includes handling, mounting, electrical connections and installing cord.		
26 05 19 16-0743 EA 30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A) .....	687.17	48.13
26 05 19 16-0744 EA 50', 10-4, SEOOW, Extension Cord Reel (Reelcraft L 7050 104 X 1) .....	1,956.78	48.13
26 05 19 16-0745 EA 50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K) .....	1,454.92	48.13
<b>26 05 19 16-0746 Extension Cords For Cable Reel</b> <small>(26 05 19 16-0738)</small>		
26 05 19 16-0747 EA 100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord .....	145.72	
26 05 19 16-0748 EA 100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord .....	206.02	
<b>26 05 19 16-0749 Plugs And Connector Bodies</b> <small>(26 05 19 16-0738)</small> Note: Up to 277 volt		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0750			<b>NEMA Twist-Lock Plugs</b> <small>(26 05 19 16-0749)</small>		
26 05 19 16-0751	EA		15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C).....	71.97	
26 05 19 16-0752	EA		15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK).....	73.80	
26 05 19 16-0753	EA		20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C).....	66.08	
26 05 19 16-0754	EA		20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331).....	71.74	
26 05 19 16-0755	EA		20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411).....	98.25	
26 05 19 16-0756	EA		20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441).....	105.43	
26 05 19 16-0757	EA		20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK).....	112.46	
26 05 19 16-0758	EA		30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK).....	99.32	
26 05 19 16-0759	EA		30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK).....	116.58	
26 05 19 16-0760	EA		30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761).....	119.95	
26 05 19 16-0761	EA		30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK).....	124.22	
26 05 19 16-0762			<b>NEMA Twist-Lock Connector Bodies</b> <small>(26 05 19 16-0749)</small>		
26 05 19 16-0763	EA		15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C).....	77.16	
26 05 19 16-0764	EA		15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C).....	83.66	
26 05 19 16-0765	EA		20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C).....	69.98	
26 05 19 16-0766	EA		20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK).....	99.32	
26 05 19 16-0767	EA		20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK).....	118.27	
26 05 19 16-0768	EA		20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443).....	127.43	
26 05 19 16-0769	EA		20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK).....	158.30	
26 05 19 16-0770	EA		30 Amperes, 3 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK).....	150.51	
26 05 19 16-0771	EA		30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK).....	189.16	
26 05 19 16-0772	EA		30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753).....	199.40	
26 05 19 16-0773	EA		30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK).....	188.25	
26 05 19 16-0774			<b>Watertight Pin And Sleeve Plug</b> <small>(26 05 19 16-0749)</small>		
26 05 19 16-0775	EA		20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W).....	200.73	28.88
26 05 19 16-0776	EA		20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W).....	202.81	28.88
26 05 19 16-0777	EA		20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W).....	218.91	28.88
26 05 19 16-0778	EA		20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W).....	219.84	31.77
26 05 19 16-0779	EA		20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W).....	216.71	31.77
26 05 19 16-0780	EA		20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W).....	217.64	31.77
26 05 19 16-0781	EA		30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W).....	304.50	35.52
26 05 19 16-0782	EA		30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W).....	296.72	35.52
26 05 19 16-0783	EA		30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W).....	330.13	35.52
26 05 19 16-0784	EA		30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W).....	325.16	38.99
26 05 19 16-0785	EA		30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W).....	311.66	38.99
26 05 19 16-0786	EA		30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W).....	320.95	38.99
26 05 19 16-0787	EA		60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W).....	413.32	46.21
26 05 19 16-0788	EA		60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W).....	420.73	46.21
26 05 19 16-0789	EA		60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W).....	403.17	46.21
26 05 19 16-0790	EA		60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W).....	458.90	51.40
26 05 19 16-0791	EA		60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W).....	447.38	51.40
26 05 19 16-0792	EA		60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W).....	452.36	51.40
26 05 19 16-0793	EA		100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W).....	566.09	57.76
26 05 19 16-0794	EA		100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W).....	594.70	57.76
26 05 19 16-0795	EA		100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W).....	581.24	63.54
26 05 19 16-0796	EA		100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W).....	571.47	63.54
26 05 19 16-0797	EA		100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W).....	576.75	63.54
26 05 19 16-0798			<b>Watertight Pin And Sleeve Connector</b> <small>(26 05 19 16-0749)</small>		
26 05 19 16-0799	EA		20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W).....	212.66	28.88
26 05 19 16-0800	EA		20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W).....	214.10	28.88
26 05 19 16-0801	EA		20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W).....	251.18	28.88
26 05 19 16-0802	EA		20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W).....	249.88	31.77
26 05 19 16-0803	EA		20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W).....	246.12	31.77
26 05 19 16-0804	EA		20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W).....	249.52	31.77
26 05 19 16-0805	EA		30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W).....	311.63	35.52
26 05 19 16-0806	EA		30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W).....	311.55	35.52
26 05 19 16-0807	EA		30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W).....	324.34	35.52
26 05 19 16-0808	EA		30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W).....	321.69	38.99
26 05 19 16-0809	EA		30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W).....	324.33	38.99
26 05 19 16-0810	EA		30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W).....	321.55	38.99
26 05 19 16-0811	EA		60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W).....	486.41	46.21
26 05 19 16-0812	EA		60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W).....	470.75	46.21
26 05 19 16-0813	EA		60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W).....	461.41	46.21
26 05 19 16-0814	EA		60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W).....	502.40	51.40
26 05 19 16-0815	EA		60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W).....	516.02	51.40
26 05 19 16-0816	EA		60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W).....	517.02	51.40
26 05 19 16-0817	EA		100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W).....	646.26	57.76
26 05 19 16-0818	EA		100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W).....	664.22	57.76
26 05 19 16-0819	EA		100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W).....	717.97	63.54
26 05 19 16-0820	EA		100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W).....	693.29	63.54
26 05 19 16-0821	EA		100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W).....	701.71	63.54
26 05 19 16-0822			<b>Accessories</b> <small>(26 05 19 16-0738)</small>		
26 05 19 16-0823	EA		1/2" Straight Steel Cord Connector.....	45.63	9.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0824	EA		1/2" Straight Nylon Cord Connector ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.63 4.33	7.22
26 05 19 16-0825	EA		1/2" 90 Degree Steel Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.42 7.22	12.03
26 05 19 16-0826	EA		1/2" 90 Degree Nylon Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.43 5.78	9.63
26 05 19 16-0827	EA		1/2" Straight Steel Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.77 7.22	12.03
26 05 19 16-0828	EA		1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.42 8.66	14.44
26 05 19 16-0829	EA		1/2" Straight Nylon Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.92 5.78	9.63
26 05 19 16-0830	EA		1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.83 7.22	12.03
26 05 19 16-0831	EA		3/4" Straight Steel Cord Connector ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.49 5.78	9.63
26 05 19 16-0832	EA		3/4" Straight Nylon Cord Connector ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.56 4.33	7.22
26 05 19 16-0833	EA		3/4" 90 Degree Steel Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.22 7.22	12.03
26 05 19 16-0834	EA		3/4" 90 Degree Nylon Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.33 5.78	9.63
26 05 19 16-0835	EA		3/4" Straight Steel Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.53 8.66	14.44
26 05 19 16-0836	EA		3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.55 10.11	16.85
26 05 19 16-0837	EA		3/4" Straight Nylon Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.69 7.22	12.03
26 05 19 16-0838	EA		3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.92 8.66	14.44
26 05 19 16-0839	EA		1" Straight Steel Cord Connector ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.40 5.78	9.63
26 05 19 16-0840	EA		1" Straight Nylon Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.51 4.33	7.22
26 05 19 16-0841	EA		1" 90 Degree Steel Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.09 7.22	12.03
26 05 19 16-0842	EA		1" 90 Degree Nylon Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.26 5.78	9.63
26 05 19 16-0843	EA		1" Straight Steel Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.04 8.66	14.44
26 05 19 16-0844	EA		1" 90 Degree Steel Cord Connector With Strain Relief Mesh ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.81 10.11	16.85
26 05 19 16-0845	EA		1" Straight Nylon Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.04 7.22	12.03
26 05 19 16-0846	EA		1" 90 Degree Nylon Cord Connector With Strain Relief Mesh ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.29 8.66	14.44

26 05 23 Control-Voltage Electrical Power Cables (26 05)

- 26 05 23 00-0001 Cable For HVAC System Controls (26 05 23)
- 26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt (26 05 23 00-0001)

Note: For surface or conduit installation.

26 05 23 00-0003	MLF		#20/2 Conductor, Low Volt Thermostat Cable .....	412.46	112.11
26 05 23 00-0004	MLF		#20/3 Conductor, Low Volt Thermostat Cable .....	478.51	118.09
26 05 23 00-0005	MLF		#20/4 Conductor, Low Volt Thermostat Cable .....	521.07	124.86
26 05 23 00-0006	MLF		#20/5 Conductor, Low Volt Thermostat Cable .....	640.38	130.14
26 05 23 00-0007	MLF		#20/6 Conductor, Low Volt Thermostat Cable .....	672.91	136.30
26 05 23 00-0008	MLF		#20/7 Conductor, Low Volt Thermostat Cable .....	745.32	141.96
26 05 23 00-0009	MLF		#20/8 Conductor, Low Volt Thermostat Cable .....	807.46	147.63
26 05 23 00-0010	MLF		#20/9 Conductor, Low Volt Thermostat Cable .....	881.92	153.53
26 05 23 00-0011	MLF		#20/10 Conductor, Low Volt Thermostat Cable .....	954.28	158.14
26 05 23 00-0012	MLF		#18/2 Conductor, Low Volt Thermostat Cable .....	455.44	112.11
26 05 23 00-0013	MLF		#18/3 Conductor, Low Volt Thermostat Cable .....	555.18	118.09
26 05 23 00-0014	MLF		#18/4 Conductor, Low Volt Thermostat Cable .....	642.71	124.86
26 05 23 00-0015	MLF		#18/5 Conductor, Low Volt Thermostat Cable .....	690.59	130.14
26 05 23 00-0016	MLF		#18/6 Conductor, Low Volt Thermostat Cable .....	773.78	136.30
26 05 23 00-0017	MLF		#18/7 Conductor, Low Volt Thermostat Cable .....	791.64	141.96
26 05 23 00-0018	MLF		#18/8 Conductor, Low Volt Thermostat Cable .....	878.14	147.63
26 05 23 00-0019	MLF		#18/9 Conductor, Low Volt Thermostat Cable .....	1,051.50	153.53
26 05 23 00-0020	MLF		#18/10 Conductor, Low Volt Thermostat Cable .....	1,163.44	158.14

26 05 26 Grounding and Bonding for Electrical Systems (26 05)

- 26 05 26 00-0001 Conductors, Straps And Conduit Jumpers (26 05 26)
- 26 05 26 00-0002 Single Conductor (26 05 26 00-0001)
- 26 05 26 00-0003 Copper Bare Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0004	MLF		12 AWG Copper Bare Single Stranded Conductor .....	558.38	183.96
26 05 26 00-0005	MLF		10 AWG Copper Bare Single Stranded Conductor .....	766.68	183.96
26 05 26 00-0006	MLF		8 AWG Copper Bare Single Stranded Conductor .....	975.73	221.60
26 05 26 00-0007	MLF		6 AWG Copper Bare Single Stranded Conductor .....	1,399.55	221.60
26 05 26 00-0008	MLF		4 AWG Copper Bare Single Stranded Conductor .....	1,929.37	267.58
26 05 26 00-0009	MLF		2 AWG Copper Bare Single Stranded Conductor .....	3,124.11	267.58
26 05 26 00-0010	MLF		1 AWG Copper Bare Single Stranded Conductor .....	3,639.17	321.93

**26 Electrical****26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 26 00-0011	MLF 1/0 AWG Copper Bare Single Stranded Conductor .....	4,276.81	321.93
26 05 26 00-0012	MLF 2/0 AWG Copper Bare Single Stranded Conductor .....	6,074.66	405.55
26 05 26 00-0013	MLF 3/0 AWG Copper Bare Single Stranded Conductor .....	7,529.78	405.55
26 05 26 00-0014	MLF 4/0 AWG Copper Bare Single Stranded Conductor .....	7,936.06	539.35
26 05 26 00-0015	MLF 250 MCM Copper Bare Single Stranded Conductor .....	10,280.17	539.35
26 05 26 00-0016	MLF 300 MCM Copper Bare Single Stranded Conductor .....	10,277.98	622.97
26 05 26 00-0017	MLF 350 MCM Copper Bare Single Stranded Conductor .....	13,992.97	622.97
26 05 26 00-0018	MLF 500 MCM Copper Bare Single Stranded Conductor .....	19,192.90	769.30
<b>26 05 26 00-0019</b>	<b>Copper Insulated Single Stranded Conductors (26 05 26 00-0002)</b>		
26 05 26 00-0020	MLF 12 AWG Copper Insulated Single Stranded Conductor .....	1,147.10	250.86
26 05 26 00-0021	MLF 10 AWG Copper Insulated Single Stranded Conductor .....	1,192.96	250.86
26 05 26 00-0022	MLF 8 AWG Copper Insulated Single Stranded Conductor .....	1,556.83	250.86
26 05 26 00-0023	MLF 6 AWG Copper Insulated Single Stranded Conductor .....	1,739.53	434.82
26 05 26 00-0024	MLF 4 AWG Copper Insulated Single Stranded Conductor .....	2,406.12	434.82
26 05 26 00-0025	MLF 2 AWG Copper Insulated Single Stranded Conductor .....	3,469.20	434.82
26 05 26 00-0026	MLF 1 AWG Copper Insulated Single Stranded Conductor .....	4,231.00	760.93
26 05 26 00-0027	MLF 1/0 AWG Copper Insulated Single Stranded Conductor .....	5,199.78	760.93
26 05 26 00-0028	MLF 2/0 AWG Copper Insulated Single Stranded Conductor .....	6,153.03	760.93
26 05 26 00-0029	MLF 3/0 AWG Copper Insulated Single Stranded Conductor .....	7,400.24	760.93
26 05 26 00-0030	MLF 4/0 AWG Copper Insulated Single Stranded Conductor .....	8,789.44	995.06
26 05 26 00-0031	MLF 250 MCM Copper Insulated Single Stranded Conductor .....	10,719.90	995.06
26 05 26 00-0032	MLF 300 MCM Copper Insulated Single Stranded Conductor .....	12,551.54	995.06
26 05 26 00-0033	MLF 350 MCM Copper Insulated Single Stranded Conductor .....	14,545.01	1,546.96
26 05 26 00-0034	MLF 500 MCM Copper Insulated Single Stranded Conductor .....	19,176.68	1,546.96
<b>26 05 26 00-0035</b>	<b>Copper Bare Single Solid Conductors (26 05 26 00-0002)</b>		
26 05 26 00-0036	MLF 12 AWG Copper Bare Single Solid Conductor .....	558.38	183.96
26 05 26 00-0037	MLF 10 AWG Copper Bare Single Solid Conductor .....	766.68	183.96
26 05 26 00-0038	MLF 8 AWG Copper Bare Single Solid Conductor .....	975.73	221.60
26 05 26 00-0039	MLF 6 AWG Copper Bare Single Solid Conductor .....	1,399.55	221.60
26 05 26 00-0040	MLF 4 AWG Copper Bare Single Solid Conductor .....	1,929.37	267.58
26 05 26 00-0041	MLF 2 AWG Copper Bare Single Solid Conductor .....	3,124.11	267.58
26 05 26 00-0042	MLF 1/0 AWG Copper Bare Single Solid Conductor .....	4,276.81	321.93
26 05 26 00-0043	MLF 4/0 AWG Copper Bare Single Solid Conductor .....	7,936.06	426.45
<b>26 05 26 00-0044</b>	<b>Aluminum Bare Single Stranded Conductors (26 05 26 00-0002)</b>		
26 05 26 00-0045	MLF 8 AWG Aluminum Bare Single Stranded Conductor .....	529.44	221.60
26 05 26 00-0046	MLF 6 AWG Aluminum Bare Single Stranded Conductor .....	578.09	221.60
26 05 26 00-0047	MLF 4 AWG Aluminum Bare Single Stranded Conductor .....	653.23	267.58
26 05 26 00-0048	MLF 2 AWG Aluminum Bare Single Stranded Conductor .....	805.15	267.58
26 05 26 00-0049	MLF 1 AWG Aluminum Bare Single Stranded Conductor .....	916.82	321.93
26 05 26 00-0050	MLF 1/0 AWG Aluminum Bare Single Stranded Conductor .....	1,049.93	321.93
26 05 26 00-0051	MLF 2/0 AWG Aluminum Bare Single Stranded Conductor .....	1,195.86	405.55
26 05 26 00-0052	MLF 3/0 AWG Aluminum Bare Single Stranded Conductor .....	1,368.92	405.55
26 05 26 00-0053	MLF 4/0 AWG Aluminum Bare Single Stranded Conductor .....	1,632.05	539.35
26 05 26 00-0054	MLF 250 MCM Aluminum Bare Single Stranded Conductor .....	1,820.32	539.35
26 05 26 00-0055	MLF 300 MCM Aluminum Bare Single Stranded Conductor .....	2,137.62	622.97
26 05 26 00-0056	MLF 350 MCM Aluminum Bare Single Stranded Conductor .....	2,410.12	622.97
26 05 26 00-0057	MLF 500 MCM Aluminum Bare Single Stranded Conductor .....	2,842.89	769.30
<b>26 05 26 00-0058</b>	<b>Aluminum Bare Single Solid Conductors (26 05 26 00-0002)</b>		
26 05 26 00-0059	MLF 8 AWG Aluminum Bare Single Solid Conductor .....	529.44	221.60
26 05 26 00-0060	MLF 6 AWG Aluminum Bare Single Solid Conductor .....	578.09	221.60
26 05 26 00-0061	MLF 4 AWG Aluminum Bare Single Solid Conductor .....	653.23	267.58
26 05 26 00-0062	MLF 2 AWG Aluminum Bare Single Solid Conductor .....	805.15	267.58
26 05 26 00-0063	MLF 1 AWG Aluminum Bare Single Solid Conductor .....	883.07	426.45
26 05 26 00-0064	MLF 1/0 AWG Aluminum Bare Single Solid Conductor .....	1,049.93	426.45
26 05 26 00-0065	MLF 2/0 AWG Aluminum Bare Single Solid Conductor .....	1,112.27	405.55
26 05 26 00-0066	MLF 3/0 AWG Aluminum Bare Single Solid Conductor .....	1,200.59	405.55
26 05 26 00-0067	MLF 4/0 AWG Aluminum Bare Single Solid Conductor .....	1,632.05	539.35
26 05 26 00-0068	MLF 250 MCM Aluminum Bare Single Solid Conductor .....	1,820.32	539.35
26 05 26 00-0069	MLF 300 MCM Aluminum Bare Single Solid Conductor .....	2,137.62	622.97
26 05 26 00-0070	MLF 350 MCM Aluminum Bare Single Solid Conductor .....	2,410.12	622.97
26 05 26 00-0071	MLF 500 MCM Aluminum Bare Single Solid Conductor .....	2,842.89	769.30
<b>26 05 26 00-0072</b>	<b>Aluminum Smooth Woven Conductors (26 05 26 00-0002)</b>		
26 05 26 00-0073	LF 10 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	2.23	0.66
26 05 26 00-0074	LF 16 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	2.46	0.73
26 05 26 00-0075	LF 24 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	2.92	0.84
26 05 26 00-0076	LF 26 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	2.94	0.85
26 05 26 00-0077	LF 28 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	3.09	0.89
<b>26 05 26 00-0078</b>	<b>Copper Flexible Braid Connector Jumper Strap (26 05 26 00-0001)</b>		
Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.			
26 05 26 00-0079	EA 100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length .....	111.96	24.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		14.44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0080 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	193.40 17.33	28.88
26 05 26 00-0081 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	247.70 17.33	28.88
26 05 26 00-0082 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	301.27 17.33	28.88
26 05 26 00-0083 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	260.42 21.66	31.29
26 05 26 00-0084 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	338.54 21.66	31.29
26 05 26 00-0085 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	406.42 21.66	31.29
26 05 26 00-0086 EA 600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	339.09 23.82	39.71
26 05 26 00-0087 EA 800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	407.77 28.88	48.13
<b>26 05 26 00-0088 Bonding Jumper For Metallic Conduit</b> <small>(26 05 26 00-0001)</small>		
26 05 26 00-0089 EA 1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.98 30.08	52.95
26 05 26 00-0090 EA 1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	183.55 37.02	52.95
26 05 26 00-0091 EA 2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	269.36 43.76	81.82
26 05 26 00-0092 EA 5" To 6" Conductor, Bonding Jumper, Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	398.65 53.48	81.82
<b>26 05 26 00-0093 Ground Rods</b> <small>(26 05 26)</small>		
<b>26 05 26 00-0094 Copper-Clad Ground Rods</b> <small>(26 05 26 00-0093)</small>		
26 05 26 00-0095 EA 1/2" Diameter x 8' Long Copper-Clad Ground Rods.....	86.85	72.19
26 05 26 00-0096 EA 5/8" Diameter x 8' Long Copper-Clad Ground Rods.....	91.18	72.19
26 05 26 00-0097 EA 3/4" Diameter x 8' Long Copper-Clad Ground Rods.....	108.69	72.19
26 05 26 00-0098 EA 1/2" Diameter x 10' Long Copper-Clad Ground Rods.....	102.55	72.19
26 05 26 00-0099 EA 5/8" Diameter x 10' Long Copper-Clad Ground Rods.....	107.97	72.19
26 05 26 00-0100 EA 3/4" Diameter x 10' Long Copper-Clad Ground Rods.....	129.85	72.19
<b>26 05 26 00-0101 Copper Grounding Shaft</b> <small>(26 05 26 00-0093)</small>		
26 05 26 00-0102 EA 2-1/8" Diameter x 10' Long Copper Grounding Shaft.....	258.05	72.19
26 05 26 00-0103 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft.....	320.07	72.19
26 05 26 00-0104 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft.....	491.48	72.19
<b>26 05 26 00-0105 Ground Access Wells</b> <small>(26 05 26 00-0093)</small>		
<b>26 05 26 00-0106 Precast Ground Access Wells</b> <small>(26 05 26 00-0105)</small>		
26 05 26 00-0107 EA 8" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	213.46	
26 05 26 00-0108 EA 10" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	222.26	
26 05 26 00-0109 EA 12" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	615.89	
26 05 26 00-0110 EA 18" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	624.68	
<b>26 05 26 00-0111 Polyvinyl Chloride (PVC) Ground Access Well</b> <small>(26 05 26 00-0105)</small>		
26 05 26 00-0112 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	427.77	
26 05 26 00-0113 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	502.41	
26 05 26 00-0114 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	931.18	
26 05 26 00-0115 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	408.97	
26 05 26 00-0116 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	479.35	
26 05 26 00-0117 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	893.11	
26 05 26 00-0118 EA 8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	229.94	
26 05 26 00-0119 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	245.96	
26 05 26 00-0120 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	259.80	
26 05 26 00-0121 EA 8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	177.36	
26 05 26 00-0122 EA 10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	261.11	
26 05 26 00-0123 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	459.12	
26 05 26 00-0124 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	609.23	
26 05 26 00-0125 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	370.08	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0126	EA		10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well ..... Note: Schedule 40 with plastic cover.	536.45	
26 05 26 00-0127	EA		10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well ..... Note: With cast iron grate, heavy duty.	567.03	
26 05 26 00-0128	EA		10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well ..... Note: With cast iron grate, heavy duty.	690.67	
26 05 26 00-0129	EA		12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well ..... Note: With cast iron grate, heavy duty.	306.74	
26 05 26 00-0130	EA		12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well ..... Note: With cast iron grate, heavy duty.	534.21	
26 05 26 00-0131	EA		12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well ..... Note: With cast iron grate, heavy duty.	574.99	
<b>26 05 26 00-0132</b>			<b>Polymer Concrete Ground Access Well</b> (26 05 26 00-0105)		
26 05 26 00-0133	EA		12" x 12" x 12" Polymer Concrete Ground Access Well.....	390.64	
26 05 26 00-0134	EA		12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well.....	427.65	
26 05 26 00-0135	EA		12" x 12" x 18" Polymer Concrete Ground Access Well.....	429.84	
26 05 26 00-0136	EA		12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	470.52	
26 05 26 00-0137	EA		12" x 12" x 24" Polymer Concrete Ground Access Well.....	470.52	
26 05 26 00-0138	EA		12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well.....	515.23	
26 05 26 00-0139	EA		13" x 24" x 18" Polymer Concrete Ground Access Well.....	624.44	
26 05 26 00-0140	EA		13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	685.26	
<b>26 05 26 00-0141</b>			<b>High Density Polyethylene (HDPE) Ground Access Well</b> (26 05 26 00-0105)		
26 05 26 00-0142	EA		9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well ..... Note: With cover.	147.33	
26 05 26 00-0143	EA		14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well ..... Note: With cover.	204.05	
<b>26 05 26 00-0144</b>			<b>Ground Rod Clamps And Fittings</b> (26 05 26)		
<b>26 05 26 00-0145</b>			<b>Bronze Ground Rod Clamp</b> (26 05 26 00-0144)		
26 05 26 00-0146	EA		1/2" Bronze Ground Rod Clamp.....	20.58	10.88
26 05 26 00-0147	EA		5/8" Bronze Ground Rod Clamp.....	21.68	10.88
26 05 26 00-0148	EA		3/4" Bronze Ground Rod Clamp.....	23.23	10.88
<b>26 05 26 00-0149</b>			<b>Bronze Pipe Clamps</b> (26 05 26 00-0144)		
26 05 26 00-0150	EA		1/2" To 1" Bronze Pipe Ground Clamps.....	26.29	18.10
26 05 26 00-0151	EA		1-1/4" To 2" Bronze Ground Clamps For Pipe.....	33.80	21.66
26 05 26 00-0152	EA		2-1/2" To 3" Bronze Ground Clamps For Pipe.....	52.14	25.32
26 05 26 00-0153	EA		2-1/2" To 4" Bronze Ground Clamps For Pipe.....	63.35	32.54
26 05 26 00-0154	EA		4" To 6" Bronze Ground Clamps For Pipe.....	97.73	46.97
<b>26 05 26 00-0155</b>			<b>Grounding Fittings</b> (26 05 26 00-0144)		
<b>26 05 26 00-0156</b>			<b>Embedded Fittings</b> (26 05 26 00-0155)		
26 05 26 00-0157	EA		Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded.....	138.79	
26 05 26 00-0158	EA		Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded.....	148.69	
26 05 26 00-0159	EA		Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded.....	166.27	
26 05 26 00-0160	EA		#8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice.....	128.93	
26 05 26 00-0161	EA		1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice.....	154.44	
26 05 26 00-0162	EA		4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice.....	181.37	
26 05 26 00-0163	EA		350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice.....	204.93	
<b>26 05 26 00-0164</b>			<b>Ground Rod Receptacle</b> (26 05 26 00-0155)		
26 05 26 00-0165	EA		1/2" Ground Rod Receptacle.....	301.13	100.11
26 05 26 00-0166	EA		5/8" Ground Rod Receptacle.....	315.58	102.94
26 05 26 00-0167	EA		3/4" Ground Rod Receptacle.....	330.34	105.73
<b>26 05 26 00-0168</b>			<b>Ground Kits For Circuit Breaker Panels</b> (26 05 26 00-0155)		
26 05 26 00-0169	EA		14-8 AWG Copper Ground Kit.....	66.79	24.07
26 05 26 00-0170	EA		12-8 AWG Aluminum Ground Kit.....	63.21	24.07
26 05 26 00-0171	EA		14-4 AWG Copper Ground Kit.....	75.12	24.07
26 05 26 00-0172	EA		12-4 AWG Aluminum Ground Kit.....	73.76	24.07
<b>26 05 26 00-0173</b>			<b>Insulated Grounding Bars</b> (26 05 26 00-0144)		
26 05 26 00-0174	EA		1/2" x 4" x 10" Insulated Ground Bar..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	290.94 43.32	24.16
26 05 26 00-0175	EA		Insulated Ground Bar SK 9560 1/2" x 4" x 20" For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	307.03 43.32	24.16
<b>26 05 26 00-0176</b>			<b>Ground Conductor Bonding</b> (26 05 26)		
<b>26 05 26 00-0177</b>			<b>Ground Conductor Bonding</b> (26 05 26 00-0176)		
<b>26 05 26 00-0178</b>			<b>Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld</b> (26 05 26 00-0177)		

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 26 00-0179	EA	Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel ..... Note: Includes molds, materials and all necessary tools to make connections.	109.96	
26 05 26 00-0180	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	119.58	
26 05 26 00-0181	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	129.21	
26 05 26 00-0182	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel ..... Note: Includes molds, materials and all necessary tools to make connections.	186.97	
<b>26 05 26 00-0183 Tee, Wye Or Cross Cadweld</b> <small>(26 05 26 00-0177)</small>				
26 05 26 00-0184	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross..... Note: Includes molds, materials and all necessary tools to make connections.	124.40	
26 05 26 00-0185	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross ..... Note: Includes molds, materials and all necessary tools to make connections.	143.65	
26 05 26 00-0186	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross ..... Note: Includes molds, materials and all necessary tools to make connections.	177.35	
26 05 26 00-0187	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross ..... Note: Includes molds, materials and all necessary tools to make connections.	215.84	
<b>26 05 26 00-0188 Grounding Equipment</b> <small>(26 05 26)</small>				
<b>26 05 26 00-0189 Special Grounding Equipment</b> <small>(26 05 26 00-0188)</small>				
<b>26 05 26 00-0190 Ground Reels And Ground Bus</b> <small>(26 05 26 00-0189)</small>				
26 05 26 00-0191	EA	Ground Reel With 50' Of Galvanized Steel Cable.....	718.71	
<b>26 05 26 00-0192 Copper Bars</b> <small>(26 05 26 00-0189)</small>				
26 05 26 00-0193	LF	1/4" x 2" Copper Bar .....	40.89	
<b>26 05 26 00-0194 Phenolic Insulators</b> <small>(26 05 26 00-0189)</small>				
26 05 26 00-0195	EA	2" x 2" x 1" Long Phenolic Insulators ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.72 5.78	
<b>26 05 26 00-0196 Grounding Studs</b> <small>(26 05 26 00-0189)</small>				
26 05 26 00-0197	EA	Ball Grounding Stud ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.49 8.62	
<b>26 05 26 00-0198 Equipment Ground Bar Kits</b> <small>(26 05 26 00-0189)</small>				
26 05 26 00-0199	EA	Switch Rating 30 Ground Bar Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.45 5.78	
26 05 26 00-0200	EA	Switch Rating 60 Ground Bar Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.61 6.35	
26 05 26 00-0201	EA	Switch Rating 100 Ground Bar Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.29 7.22	
26 05 26 00-0202	EA	Switch Rating 200 Ground Bar Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.98 8.66	
<b>26 05 26 00-0203 Panelboard Ground Bar Kits</b> <small>(26 05 26 00-0189)</small>				
26 05 26 00-0204	EA	Panelboard Ground Bar Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.99 7.22	7.22
<b>26 05 26 00-0205 Circuit Breaker Ground Bar Kits</b> <small>(26 05 26 00-0189)</small>				
26 05 26 00-0206	EA	3 Circuit, Ground Bar Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.64 4.33	4.33
26 05 26 00-0207	EA	4 Circuit, Ground Bar Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.12 4.33	4.33
26 05 26 00-0208	EA	7 Circuit, Ground Bar Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.98 4.33	4.33
26 05 26 00-0209	EA	12 Circuit, Ground Bar Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.46 4.91	4.91
26 05 26 00-0210	EA	20 Circuit, Ground Bar Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.62 5.49	5.49
26 05 26 00-0211	EA	24 Circuit, Ground Bar Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.10 6.07	6.07
26 05 26 00-0212	EA	30 Circuit, Ground Bar Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.36 6.93	6.93
26 05 26 00-0213	EA	54 Circuit, Ground Bar Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.81 8.09	8.08
26 05 26 00-0214	EA	24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.50 6.07	6.07
26 05 26 00-0215	EA	30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.14 6.93	6.93
26 05 26 00-0216	EA	54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.76 8.09	8.08

26 05 29 Hangers and Supports for Electrical Systems (26 05)

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 29 00-0001		Metal Framing Channel And Fittings <small>(26 05 29)</small>			
26 05 29 00-0002		Metal Framing Channel <small>(26 05 29 00-0001)</small> Note: Excludes fasteners and accessories.			
26 05 29 00-0003		14 Gauge Metal Framing Channels <small>(26 05 29 00-0002)</small>			
26 05 29 00-0004		14 Gauge, Steel Unistrut Channel <small>(26 05 29 00-0003)</small>			
26 05 29 00-0005	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel .....	17.33		5.28
26 05 29 00-0006	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel .....	19.71		5.28
26 05 29 00-0007	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel .....	8.98		1.99
26 05 29 00-0008		14 Gauge, 304 Stainless Steel Unistrut Channel <small>(26 05 29 00-0003)</small>			
26 05 29 00-0009	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	32.85		5.28
26 05 29 00-0010	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	36.62		5.28
26 05 29 00-0011	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	50.74		5.28
26 05 29 00-0012	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	58.28		5.28
26 05 29 00-0013	LF	>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	24.50		1.99
26 05 29 00-0014	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	28.27		1.99
26 05 29 00-0015		14 Gauge, 316 Stainless Steel Unistrut Channel <small>(26 05 29 00-0003)</small>			
26 05 29 00-0016	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel .....	49.12		5.28
26 05 29 00-0017	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel .....	83.30		5.28
26 05 29 00-0018	LF	>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel .....	40.77		1.99
26 05 29 00-0019		12 Gauge Metal Framing Channels <small>(26 05 29 00-0002)</small>			
26 05 29 00-0020		12 Gauge, Steel Unistrut Channel <small>(26 05 29 00-0019)</small>			
26 05 29 00-0021	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel .....	18.55		5.28
26 05 29 00-0022	EA	Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel .....	18.14		5.28
26 05 29 00-0023	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel .....	17.87		5.28
26 05 29 00-0024	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel .....	22.16		5.28
26 05 29 00-0025	EA	>1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel .....	21.33		5.28
26 05 29 00-0026	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel .....	20.79		5.28
26 05 29 00-0027	LF	>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel .....	10.20		1.99
26 05 29 00-0028	LF	>2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel .....	9.79		1.99
26 05 29 00-0029	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel .....	9.52		1.99
26 05 29 00-0030		12 Gauge, 304 Stainless Steel Unistrut Channel <small>(26 05 29 00-0019)</small>			
26 05 29 00-0031	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	37.87		5.28
26 05 29 00-0032	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	44.37		5.28
26 05 29 00-0033	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	60.78		5.28
26 05 29 00-0034	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	73.79		5.28
26 05 29 00-0035	LF	>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	29.52		1.99
26 05 29 00-0036	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	36.02		1.99
26 05 29 00-0037		Metal Framing Channel Fittings <small>(26 05 29 00-0001)</small>			
26 05 29 00-0038		Unistrut Channel Closure Strips And Caps <small>(26 05 29 00-0037)</small>			
26 05 29 00-0039		Steel Unistrut Channel Closure Strips And Caps <small>(26 05 29 00-0038)</small>			
26 05 29 00-0040	LF	Steel Raceway Closure Strip, Unistrut Channel Fittings .....	5.14		0.48
26 05 29 00-0041	EA	Steel End Cap, Unistrut Channel Fittings .....	11.30		4.82
26 05 29 00-0042		Stainless Steel Unistrut Channel Closure Strips And Caps <small>(26 05 29 00-0038)</small>			
26 05 29 00-0043	EA	Stainless Steel End Cap For Unistrut Channel .....	19.38		4.82
26 05 29 00-0044		Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>			
26 05 29 00-0045		Steel Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0044)</small>			
26 05 29 00-0046	EA	2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting .....	5.15		
26 05 29 00-0047	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting .....	5.11		
26 05 29 00-0048	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting .....	6.20		
26 05 29 00-0049		Stainless Steel Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0044)</small>			
26 05 29 00-0050	EA	2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting .....	17.76		
26 05 29 00-0051	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting .....	26.60		
26 05 29 00-0052	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting .....	34.09		
26 05 29 00-0053		90 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>			
26 05 29 00-0054		Steel 90 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0053)</small>			
26 05 29 00-0055	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	4.98		
26 05 29 00-0056	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	4.19		
26 05 29 00-0057	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	7.15		
26 05 29 00-0058	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	7.05		



MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

26 05 29 00-0059	<b>Stainless Steel 90 Degree Angle, Unistrut Channel Fittings</b> <small>(26 05 29 00-0053)</small> 26 05 29 00-0060 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....10.01 26 05 29 00-0061 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....12.60 26 05 29 00-0062 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....10.63 26 05 29 00-0063 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....15.26 26 05 29 00-0064 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....13.91 26 05 29 00-0065 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....25.99 26 05 29 00-0066 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....14.65 26 05 29 00-0067 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....21.41		
26 05 29 00-0068	<b>60 Degree Angle, Unistrut Channel Fittings</b> <small>(26 05 29 00-0037)</small> 26 05 29 00-0069 <b>Steel 60 Degree Angle, Unistrut Channel Fittings</b> <small>(26 05 29 00-0068)</small> 26 05 29 00-0070 EA 2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting .....10.17		
26 05 29 00-0071	<b>U-Connector, Unistrut Channel Fittings</b> <small>(26 05 29 00-0037)</small> 26 05 29 00-0072 <b>Steel, U-Connector, Unistrut Channel Fittings</b> <small>(26 05 29 00-0071)</small> 26 05 29 00-0073 EA 3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting .....3.68 26 05 29 00-0074 EA 5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting .....4.09		
26 05 29 00-0075	<b>Stainless Steel, U-Connector, Unistrut Channel Fittings</b> <small>(26 05 29 00-0071)</small> 26 05 29 00-0076 EA 5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting .....21.26		
26 05 29 00-0077	<b>Z-Bracket, Unistrut Channel Fittings</b> <small>(26 05 29 00-0037)</small> 26 05 29 00-0078 <b>Steel Z-Bracket, Unistrut Channel Fittings</b> <small>(26 05 29 00-0077)</small> 26 05 29 00-0079 EA 3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting .....10.43		
26 05 29 00-0080	<b>Stainless Steel Z-Bracket, Unistrut Channel Fittings</b> <small>(26 05 29 00-0077)</small> 26 05 29 00-0081 EA 3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting .....41.70		
26 05 29 00-0082	<b>Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> <small>(26 05 29 00-0037)</small> Note: Includes hex screw and nut.		
26 05 29 00-0083	<b>Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> <small>(26 05 29 00-0082)</small> Note: Includes hex screw and nut.		
26 05 29 00-0084	EA 1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....4.05	1.45	
26 05 29 00-0085	EA 3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....4.07	1.45	
26 05 29 00-0086	EA 1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....4.16	1.45	
26 05 29 00-0087	EA 1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....5.26	1.93	
26 05 29 00-0088	EA 1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....5.73	1.93	
26 05 29 00-0089	EA 2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....5.78	1.93	
26 05 29 00-0090	EA 2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....7.08	2.41	
26 05 29 00-0091	EA 3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....7.50	2.41	
26 05 29 00-0092	EA 3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....7.90	2.41	
26 05 29 00-0093	EA 4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....8.05	2.41	
26 05 29 00-0094	<b>304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> <small>(26 05 29 00-0082)</small> Note: Includes hex screw and nut.		
26 05 29 00-0095	EA 1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....7.64	1.45	
26 05 29 00-0096	EA 3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....8.62	1.45	
26 05 29 00-0097	EA 1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....9.61	1.45	
26 05 29 00-0098	EA 1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....11.88	1.93	
26 05 29 00-0099	EA 1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....14.62	1.93	
26 05 29 00-0100	EA 2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....15.34	1.93	
26 05 29 00-0101	EA 2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....18.35	2.41	
26 05 29 00-0102	EA 3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....20.79	2.41	
26 05 29 00-0103	EA 3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....21.84	2.41	
26 05 29 00-0104	EA 4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....25.71	2.41	
26 05 29 00-0105	<b>316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> <small>(26 05 29 00-0082)</small> Note: Includes hex screw and nut.		
26 05 29 00-0106	EA 1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....8.24	1.45	
26 05 29 00-0107	EA 3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....9.63	1.45	
26 05 29 00-0108	EA 1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....10.03	1.45	
26 05 29 00-0109	EA 1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....12.07	1.93	
26 05 29 00-0110	EA 1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....16.86	1.93	
26 05 29 00-0111	EA 2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....17.10	1.93	
26 05 29 00-0112	EA 2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....20.20	2.41	
26 05 29 00-0113	EA 3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....21.44	2.41	
26 05 29 00-0114	EA 3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....30.27	2.41	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0115	EA		4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	35.67	2.41
26 05 29 00-0116			<b>Beam Clamps, Unistrut Channel Fittings</b> (26 05 29 00-0037)		
26 05 29 00-0117			<b>Steel Beam Clamps, Unistrut Channel Fittings</b> (26 05 29 00-0116)		
26 05 29 00-0118	EA		Set Screw Beam Clamp, Steel Unistrut Channel Fitting .....	29.80	8.79
26 05 29 00-0119	EA		"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings .....	20.40	8.79
26 05 29 00-0120	EA		"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting .....	28.85	8.79
26 05 29 00-0121			<b>304 Stainless Steel Beam Clamps, Unistrut Channel Fittings</b> (26 05 29 00-0116)		
26 05 29 00-0122	EA		"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting .....	46.80	8.79
26 05 29 00-0123			<b>Square Washers For Unistrut Channel</b> (26 05 29 00-0037)		
26 05 29 00-0124			<b>Steel Square Washers For Unistrut Channel</b> (26 05 29 00-0123)		
26 05 29 00-0125	EA		1/2" Bolt Size, Steel, Square Washer For Unistrut Channel .....	3.65	
26 05 29 00-0126			<b>Stainless Steel Square Washers For Unistrut Channel</b> (26 05 29 00-0123)		
26 05 29 00-0127	EA		1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel .....	4.84	
26 05 29 00-0128	EA		1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel .....	6.18	
26 05 29 00-0129			<b>Strut Braces, Unistrut Channel Fittings</b> (26 05 29 00-0037)		
26 05 29 00-0130	EA		16" Diagonal Steel Bar Brace For Unistrut Channel .....	28.42	
26 05 29 00-0131			<b>Trolley Hangers, Unistrut Channel Fittings</b> (26 05 29 00-0037)		
26 05 29 00-0132	EA		Steel Trolley Track Hanger For Unistrut Channel .....	35.35	
26 05 29 00-0133			<b>Lock Nuts With Spring For Unistrut Channel</b> (26 05 29 00-0037)		
			Note: Includes hex bolt.		
26 05 29 00-0134			<b>Steel Lock Nuts With Spring For Unistrut Channel</b> (26 05 29 00-0133)		
			Note: Includes hex bolt.		
26 05 29 00-0135	EA		1/4-20, Steel Lock Nut With Spring For Unistrut Channel .....	6.44	
26 05 29 00-0136	EA		3/8-16, Steel Lock Nut With Spring For Unistrut Channel .....	7.01	
26 05 29 00-0137	EA		1/2-13, Steel Lock Nut With Spring For Unistrut Channel .....	7.44	
26 05 29 00-0138	EA		5/8-11, Steel Lock Nut With Spring For Unistrut Channel .....	9.76	
26 05 29 00-0139			<b>Stainless Steel Lock Nuts With Spring For Unistrut Channel</b> (26 05 29 00-0133)		
			Note: Includes hex bolt.		
26 05 29 00-0140	EA		1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	14.19	
26 05 29 00-0141	EA		3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	15.11	
26 05 29 00-0142	EA		1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	21.42	
26 05 29 00-0143	EA		5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	36.70	
26 05 29 00-0144			<b>Lock Nuts Without Spring For Unistrut Channel</b> (26 05 29 00-0037)		
			Note: Includes hex bolt.		
26 05 29 00-0145			<b>Steel Lock Nuts Without Spring For Unistrut Channel</b> (26 05 29 00-0144)		
			Note: Includes hex bolt.		
26 05 29 00-0146	EA		1/4-20, Steel Lock Nut Without Spring For Unistrut Channel .....	6.46	
26 05 29 00-0147	EA		3/8-16, Steel Lock Nut Without Spring For Unistrut Channel .....	7.09	
26 05 29 00-0148	EA		1/2-13, Steel Lock Nut Without Spring For Unistrut Channel .....	7.47	
26 05 29 00-0149	EA		5/8-11, Steel Lock Nut Without Spring For Unistrut Channel .....	10.43	
26 05 29 00-0150			<b>Stainless Steel Lock Nuts Without Spring For Unistrut Channel</b> (26 05 29 00-0144)		
			Note: Includes hex bolt.		
26 05 29 00-0151	EA		1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	10.14	
26 05 29 00-0152	EA		3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	12.25	
26 05 29 00-0153	EA		1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	13.35	
26 05 29 00-0154	EA		5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	35.75	
26 05 29 00-0155			<b>Mounting Assemblies</b> (26 05 29)		
26 05 29 00-0156			<b>Galvanized Steel Mounting Assemblies</b> (26 05 29 00-0155)		
26 05 29 00-0157			<b>Galvanized Steel Back Plate</b> (26 05 29 00-0156)		
26 05 29 00-0158	EA		1/4" x 4' x 4", Galvanized Steel Back Plate, Painted .....	384.20	57.76
26 05 29 00-0159	EA		3/8" x 14" x 16", Galvanized Steel Back Plate, Painted .....	95.50	19.25
26 05 29 00-0160	EA		3/16" x 30" x 48", Galvanized Steel Back Plate, Painted .....	241.70	48.13
26 05 29 00-0161			<b>Aluminum Mounting Assemblies</b> (26 05 29 00-0155)		
26 05 29 00-0162			<b>Aluminum Back Plate</b> (26 05 29 00-0161)		
26 05 29 00-0163	EA		3/16" x 2' x 2' Aluminum Back Plate .....	297.66	72.19

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

26 05 29 00-0164	EA	3/16" x 4' x 4' Aluminum Back Plate.....	807.55	72.19
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**26 05 29 00-0165 Supports** (26 05 29)

**26 05 29 00-0166 One Hole Steel Conduit Straps** (26 05 29 00-0165)

26 05 29 00-0167	EA	1/2", One Hole Steel Conduit Strap.....	3.46	
		<i>For Work In Restricted Working Space, Add</i>	0.92	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
		<i>For &gt;500, Deduct</i>	-0.96	
		<i>For &gt;50 To 100, Deduct</i>	-0.16	
		<i>For &gt;250 To 500, Deduct</i>	-0.64	
		<i>For &gt;100 To 250, Deduct</i>	-0.33	
26 05 29 00-0168	EA	3/4", One Hole Steel Conduit Strap.....	3.50	
		<i>For Work In Restricted Working Space, Add</i>	0.92	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
		<i>For &gt;500, Deduct</i>	-0.97	
		<i>For &gt;50 To 100, Deduct</i>	-0.16	
		<i>For &gt;250 To 500, Deduct</i>	-0.65	
		<i>For &gt;100 To 250, Deduct</i>	-0.33	
26 05 29 00-0169	EA	1", One Hole Steel Conduit Strap.....	3.69	
		<i>For Work In Restricted Working Space, Add</i>	0.92	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
		<i>For &gt;500, Deduct</i>	-0.99	
		<i>For &gt;50 To 100, Deduct</i>	-0.17	
		<i>For &gt;250 To 500, Deduct</i>	-0.66	
		<i>For &gt;100 To 250, Deduct</i>	-0.34	
26 05 29 00-0170	EA	1-1/4", One Hole Steel Conduit Strap.....	3.83	
		<i>For Work In Restricted Working Space, Add</i>	0.92	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
		<i>For &gt;500, Deduct</i>	-1.00	
		<i>For &gt;50 To 100, Deduct</i>	-0.17	
		<i>For &gt;250 To 500, Deduct</i>	-0.67	
		<i>For &gt;100 To 250, Deduct</i>	-0.35	
26 05 29 00-0171	EA	1-1/2", One Hole Steel Conduit Strap.....	3.92	
		<i>For Work In Restricted Working Space, Add</i>	0.92	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
		<i>For &gt;500, Deduct</i>	-1.01	
		<i>For &gt;50 To 100, Deduct</i>	-0.18	
		<i>For &gt;250 To 500, Deduct</i>	-0.68	
		<i>For &gt;100 To 250, Deduct</i>	-0.35	
26 05 29 00-0172	EA	2", One Hole Steel Conduit Strap.....	4.49	
		<i>For Work In Restricted Working Space, Add</i>	0.92	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
		<i>For &gt;500, Deduct</i>	-1.07	
		<i>For &gt;50 To 100, Deduct</i>	-0.19	
		<i>For &gt;250 To 500, Deduct</i>	-0.72	
		<i>For &gt;100 To 250, Deduct</i>	-0.38	
26 05 29 00-0173	EA	2-1/2", One Hole Steel Conduit Strap.....	5.08	
		<i>For Work In Restricted Working Space, Add</i>	0.92	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
		<i>For &gt;500, Deduct</i>	-1.12	
		<i>For &gt;50 To 100, Deduct</i>	-0.20	
		<i>For &gt;250 To 500, Deduct</i>	-0.77	
		<i>For &gt;100 To 250, Deduct</i>	-0.41	
26 05 29 00-0174	EA	3", One Hole Steel Conduit Strap.....	5.28	
		<i>For Work In Restricted Working Space, Add</i>	0.92	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
		<i>For &gt;500, Deduct</i>	-1.14	
		<i>For &gt;50 To 100, Deduct</i>	-0.21	
		<i>For &gt;250 To 500, Deduct</i>	-0.78	
		<i>For &gt;100 To 250, Deduct</i>	-0.42	
26 05 29 00-0175	EA	3-1/2", One Hole Steel Conduit Strap.....	6.24	
		<i>For Work In Restricted Working Space, Add</i>	0.92	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
		<i>For &gt;500, Deduct</i>	-1.24	
		<i>For &gt;50 To 100, Deduct</i>	-0.23	
		<i>For &gt;250 To 500, Deduct</i>	-0.85	
		<i>For &gt;100 To 250, Deduct</i>	-0.47	
26 05 29 00-0176	EA	4", One Hole Steel Conduit Strap.....	7.01	
		<i>For Work In Restricted Working Space, Add</i>	0.92	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
		<i>For &gt;500, Deduct</i>	-1.32	
		<i>For &gt;50 To 100, Deduct</i>	-0.25	
		<i>For &gt;250 To 500, Deduct</i>	-0.91	
		<i>For &gt;100 To 250, Deduct</i>	-0.50	

**26 05 29 00-0177 One Hole Iron Conduit Straps** (26 05 29 00-0165)

26 05 29 00-0178	EA	1/2", One Hole Iron Conduit Strap.....	3.55	
		<i>For Work In Restricted Working Space, Add</i>	0.92	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
		<i>For &gt;500, Deduct</i>	-0.97	
		<i>For &gt;50 To 100, Deduct</i>	-0.17	
		<i>For &gt;250 To 500, Deduct</i>	-0.65	
		<i>For &gt;100 To 250, Deduct</i>	-0.33	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0179	EA	3/4"	One Hole Iron Conduit Strap.....	3.65	
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;500, Deduct</i>	-0.98	
			<i>For &gt;50 To 100, Deduct</i>	-0.17	
			<i>For &gt;250 To 500, Deduct</i>	-0.66	
			<i>For &gt;100 To 250, Deduct</i>	-0.34	
26 05 29 00-0180	EA	1"	One Hole Iron Conduit Strap.....	3.81	
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;500, Deduct</i>	-1.00	
			<i>For &gt;50 To 100, Deduct</i>	-0.17	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;100 To 250, Deduct</i>	-0.34	
26 05 29 00-0181	EA	1-1/4"	One Hole Iron Conduit Strap.....	4.21	
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;500, Deduct</i>	-1.04	
			<i>For &gt;50 To 100, Deduct</i>	-0.18	
			<i>For &gt;250 To 500, Deduct</i>	-0.70	
			<i>For &gt;100 To 250, Deduct</i>	-0.36	
26 05 29 00-0182	EA	1-1/2"	One Hole Iron Conduit Strap.....	4.37	
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;500, Deduct</i>	-1.05	
			<i>For &gt;50 To 100, Deduct</i>	-0.19	
			<i>For &gt;250 To 500, Deduct</i>	-0.71	
			<i>For &gt;100 To 250, Deduct</i>	-0.37	
26 05 29 00-0183	EA	2"	One Hole Iron Conduit Strap.....	5.39	
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;500, Deduct</i>	-1.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.21	
			<i>For &gt;250 To 500, Deduct</i>	-0.79	
			<i>For &gt;100 To 250, Deduct</i>	-0.42	
26 05 29 00-0184	EA	2-1/2"	One Hole Iron Conduit Strap.....	7.57	
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;500, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-0.27	
			<i>For &gt;250 To 500, Deduct</i>	-0.95	
			<i>For &gt;100 To 250, Deduct</i>	-0.53	
26 05 29 00-0185	EA	3"	One Hole Iron Conduit Strap.....	9.39	
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;500, Deduct</i>	-1.56	
			<i>For &gt;50 To 100, Deduct</i>	-0.31	
			<i>For &gt;250 To 500, Deduct</i>	-1.09	
			<i>For &gt;100 To 250, Deduct</i>	-0.62	
26 05 29 00-0186	EA	3-1/2"	One Hole Iron Conduit Strap.....	12.05	
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;500, Deduct</i>	-1.82	
			<i>For &gt;50 To 100, Deduct</i>	-0.38	
			<i>For &gt;250 To 500, Deduct</i>	-1.29	
			<i>For &gt;100 To 250, Deduct</i>	-0.76	
26 05 29 00-0187	EA	4"	One Hole Iron Conduit Strap.....	22.69	
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;500, Deduct</i>	-2.89	
			<i>For &gt;50 To 100, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-2.09	
			<i>For &gt;100 To 250, Deduct</i>	-1.29	
26 05 29 00-0188	EA	5"	One Hole Iron Conduit Strap.....	28.42	
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;500, Deduct</i>	-3.46	
			<i>For &gt;50 To 100, Deduct</i>	-0.79	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;100 To 250, Deduct</i>	-1.58	
26 05 29 00-0189	<b>Two Hole Steel Conduit Straps (26 05 29 00-0165)</b>				
26 05 29 00-0190	EA	1/2"	Two Hole Steel Conduit Strap.....	4.01	
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For &gt;500, Deduct</i>	-1.10	
			<i>For &gt;50 To 100, Deduct</i>	-0.19	
			<i>For &gt;250 To 500, Deduct</i>	-0.73	
			<i>For &gt;100 To 250, Deduct</i>	-0.37	
26 05 29 00-0191	EA	3/4"	Two Hole Steel Conduit Strap.....	4.07	
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For &gt;500, Deduct</i>	-1.10	
			<i>For &gt;50 To 100, Deduct</i>	-0.19	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;100 To 250, Deduct</i>	-0.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 05 29 00-0192	EA		1", Two Hole Steel Conduit Strap.....	4.10	
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For &gt;500, Deduct</i>	-1.10	
			<i>For &gt;50 To 100, Deduct</i>	-0.19	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;100 To 250, Deduct</i>	-0.38	
26 05 29 00-0193	EA		1-1/4", Two Hole Steel Conduit Strap .....	4.15	
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For &gt;500, Deduct</i>	-1.11	
			<i>For &gt;50 To 100, Deduct</i>	-0.19	
			<i>For &gt;250 To 500, Deduct</i>	-0.75	
			<i>For &gt;100 To 250, Deduct</i>	-0.38	
26 05 29 00-0194	EA		1-1/2", Two Hole Steel Conduit Strap .....	4.18	
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For &gt;500, Deduct</i>	-1.11	
			<i>For &gt;50 To 100, Deduct</i>	-0.19	
			<i>For &gt;250 To 500, Deduct</i>	-0.75	
			<i>For &gt;100 To 250, Deduct</i>	-0.38	
26 05 29 00-0195	EA		2", Two Hole Steel Conduit Strap.....	4.26	
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For &gt;500, Deduct</i>	-1.12	
			<i>For &gt;50 To 100, Deduct</i>	-0.19	
			<i>For &gt;250 To 500, Deduct</i>	-0.75	
			<i>For &gt;100 To 250, Deduct</i>	-0.39	
26 05 29 00-0196	EA		2-1/2", Two Hole Steel Conduit Strap .....	4.70	
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For &gt;500, Deduct</i>	-1.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.20	
			<i>For &gt;250 To 500, Deduct</i>	-0.79	
			<i>For &gt;100 To 250, Deduct</i>	-0.41	
26 05 29 00-0197	EA		3", Two Hole Steel Conduit Strap.....	4.79	
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For &gt;500, Deduct</i>	-1.17	
			<i>For &gt;50 To 100, Deduct</i>	-0.21	
			<i>For &gt;250 To 500, Deduct</i>	-0.79	
			<i>For &gt;100 To 250, Deduct</i>	-0.41	
26 05 29 00-0198	EA		3-1/2", Two Hole Steel Conduit Strap .....	5.13	
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For &gt;500, Deduct</i>	-1.21	
			<i>For &gt;50 To 100, Deduct</i>	-0.22	
			<i>For &gt;250 To 500, Deduct</i>	-0.82	
			<i>For &gt;100 To 250, Deduct</i>	-0.43	
26 05 29 00-0199	EA		4", Two Hole Steel Conduit Strap.....	5.37	
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For &gt;500, Deduct</i>	-1.23	
			<i>For &gt;50 To 100, Deduct</i>	-0.22	
			<i>For &gt;250 To 500, Deduct</i>	-0.84	
			<i>For &gt;100 To 250, Deduct</i>	-0.44	
26 05 29 00-0200	EA		5", Two Hole Steel Conduit Strap.....	5.68	
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For &gt;500, Deduct</i>	-1.26	
			<i>For &gt;50 To 100, Deduct</i>	-0.23	
			<i>For &gt;250 To 500, Deduct</i>	-0.86	
			<i>For &gt;100 To 250, Deduct</i>	-0.46	
<b>26 05 29 00-0201</b>			<b>Clamp Back Spacers</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0202	EA		1/2" Conduit, Clamp Back Spacer.....	3.17	
			<i>For Work In Restricted Working Space, Add</i>	0.72	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
			<i>For &gt;500, Deduct</i>	-0.80	
			<i>For &gt;50 To 100, Deduct</i>	-0.14	
			<i>For &gt;250 To 500, Deduct</i>	-0.54	
			<i>For &gt;100 To 250, Deduct</i>	-0.28	
26 05 29 00-0203	EA		3/4" Conduit, Clamp Back Spacer.....	3.42	
			<i>For Work In Restricted Working Space, Add</i>	0.72	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
			<i>For &gt;500, Deduct</i>	-0.82	
			<i>For &gt;50 To 100, Deduct</i>	-0.15	
			<i>For &gt;250 To 500, Deduct</i>	-0.56	
			<i>For &gt;100 To 250, Deduct</i>	-0.29	
26 05 29 00-0204	EA		1" Conduit, Clamp Back Spacer.....	3.65	
			<i>For Work In Restricted Working Space, Add</i>	0.72	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
			<i>For &gt;500, Deduct</i>	-0.85	
			<i>For &gt;50 To 100, Deduct</i>	-0.15	
			<i>For &gt;250 To 500, Deduct</i>	-0.58	
			<i>For &gt;100 To 250, Deduct</i>	-0.30	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0205	EA		1-1/4" Conduit, Clamp Back Spacer.....	4.57	
			<i>For Work In Restricted Working Space, Add</i>	0.72	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
			<i>For &gt;500, Deduct</i>	-0.94	
			<i>For &gt;50 To 100, Deduct</i>	-0.17	
			<i>For &gt;250 To 500, Deduct</i>	-0.64	
			<i>For &gt;100 To 250, Deduct</i>	-0.35	
26 05 29 00-0206	EA		1-1/2" Conduit, Clamp Back Spacer.....	5.30	
			<i>For Work In Restricted Working Space, Add</i>	0.72	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
			<i>For &gt;500, Deduct</i>	-1.01	
			<i>For &gt;50 To 100, Deduct</i>	-0.19	
			<i>For &gt;250 To 500, Deduct</i>	-0.70	
			<i>For &gt;100 To 250, Deduct</i>	-0.39	
26 05 29 00-0207	EA		2" Conduit, Clamp Back Spacer.....	6.07	
			<i>For Work In Restricted Working Space, Add</i>	0.72	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
			<i>For &gt;500, Deduct</i>	-1.09	
			<i>For &gt;50 To 100, Deduct</i>	-0.21	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;100 To 250, Deduct</i>	-0.42	
26 05 29 00-0208	EA		2-1/2" Conduit, Clamp Back Spacer.....	9.21	
			<i>For Work In Restricted Working Space, Add</i>	0.72	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
			<i>For &gt;500, Deduct</i>	-1.40	
			<i>For &gt;50 To 100, Deduct</i>	-0.29	
			<i>For &gt;250 To 500, Deduct</i>	-0.99	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
26 05 29 00-0209	EA		3" Conduit, Clamp Back Spacer.....	12.96	
			<i>For Work In Restricted Working Space, Add</i>	0.72	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
			<i>For &gt;500, Deduct</i>	-1.78	
			<i>For &gt;50 To 100, Deduct</i>	-0.38	
			<i>For &gt;250 To 500, Deduct</i>	-1.27	
			<i>For &gt;100 To 250, Deduct</i>	-0.77	
26 05 29 00-0210	EA		3-1/2" Conduit, Clamp Back Spacer.....	16.60	
			<i>For Work In Restricted Working Space, Add</i>	0.72	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
			<i>For &gt;500, Deduct</i>	-2.14	
			<i>For &gt;50 To 100, Deduct</i>	-0.48	
			<i>For &gt;250 To 500, Deduct</i>	-1.55	
			<i>For &gt;100 To 250, Deduct</i>	-0.95	
26 05 29 00-0211	EA		4" Conduit, Clamp Back Spacer.....	33.69	
			<i>For Work In Restricted Working Space, Add</i>	0.72	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
			<i>For &gt;500, Deduct</i>	-3.85	
			<i>For &gt;50 To 100, Deduct</i>	-0.90	
			<i>For &gt;250 To 500, Deduct</i>	-2.83	
			<i>For &gt;100 To 250, Deduct</i>	-1.81	
26 05 29 00-0212	EA		5" Conduit, Clamp Back Spacer.....	62.55	
			<i>For Work In Restricted Working Space, Add</i>	0.72	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
			<i>For &gt;500, Deduct</i>	-6.74	
			<i>For &gt;50 To 100, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-4.99	
			<i>For &gt;100 To 250, Deduct</i>	-3.25	
26 05 29 00-0213			<b>Conduit Clips</b> (26 05 29 00-0165)		
			Note: Push in or clip.		
26 05 29 00-0214	EA		1/2" Conduit Clip.....	3.88	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;500, Deduct</i>	-1.00	
			<i>For &gt;50 To 100, Deduct</i>	-0.17	
			<i>For &gt;250 To 500, Deduct</i>	-0.68	
			<i>For &gt;100 To 250, Deduct</i>	-0.35	
26 05 29 00-0215	EA		3/4" Conduit Clip.....	3.88	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;500, Deduct</i>	-1.00	
			<i>For &gt;50 To 100, Deduct</i>	-0.17	
			<i>For &gt;250 To 500, Deduct</i>	-0.68	
			<i>For &gt;100 To 250, Deduct</i>	-0.35	
26 05 29 00-0216	EA		1" Conduit Clip.....	3.82	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;500, Deduct</i>	-1.00	
			<i>For &gt;50 To 100, Deduct</i>	-0.17	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;100 To 250, Deduct</i>	-0.35	
26 05 29 00-0217	EA		1-1/4" Conduit Clip.....	3.97	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For &gt;500, Deduct</i>	-1.01	
			<i>For &gt;50 To 100, Deduct</i>	-0.18	
			<i>For &gt;250 To 500, Deduct</i>	-0.68	
			<i>For &gt;100 To 250, Deduct</i>	-0.35	
26 05 29 00-0218			<b>Bolt And Nut Conduit Clips</b> (26 05 29 00-0165)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 05 29 00-0219	EA		3/4" Bolt And Nut Conduit Clip (Minerallac 1B) .....4.82		
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.06	
			<i>For &gt;500, Deduct</i>	-1.25	
			<i>For &gt;50 To 100, Deduct</i>	-0.22	
			<i>For &gt;250 To 500, Deduct</i>	-0.84	
			<i>For &gt;100 To 250, Deduct</i>	-0.43	
26 05 29 00-0220	EA		1" Bolt And Nut Conduit Clip (Minerallac 2B) .....4.98		
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.06	
			<i>For &gt;500, Deduct</i>	-1.27	
			<i>For &gt;50 To 100, Deduct</i>	-0.22	
			<i>For &gt;250 To 500, Deduct</i>	-0.85	
			<i>For &gt;100 To 250, Deduct</i>	-0.44	
26 05 29 00-0221	EA		1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B) .....5.31		
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.12	
			<i>For &gt;500, Deduct</i>	-1.35	
			<i>For &gt;50 To 100, Deduct</i>	-0.24	
			<i>For &gt;250 To 500, Deduct</i>	-0.91	
			<i>For &gt;100 To 250, Deduct</i>	-0.47	
26 05 29 00-0222	EA		1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B) .....5.39		
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.12	
			<i>For &gt;500, Deduct</i>	-1.36	
			<i>For &gt;50 To 100, Deduct</i>	-0.24	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;100 To 250, Deduct</i>	-0.47	
26 05 29 00-0223	EA		2" Bolt And Nut Conduit Clip (Minerallac 5B) .....5.99		
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.12	
			<i>For &gt;500, Deduct</i>	-1.42	
			<i>For &gt;50 To 100, Deduct</i>	-0.25	
			<i>For &gt;250 To 500, Deduct</i>	-0.96	
			<i>For &gt;100 To 250, Deduct</i>	-0.50	
26 05 29 00-0224	EA		2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B) .....6.48		
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
			<i>For &gt;500, Deduct</i>	-1.51	
			<i>For &gt;50 To 100, Deduct</i>	-0.27	
			<i>For &gt;250 To 500, Deduct</i>	-1.03	
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
26 05 29 00-0225	EA		3" Bolt And Nut Conduit Clip (Minerallac 7B) .....7.01		
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
			<i>For &gt;500, Deduct</i>	-1.57	
			<i>For &gt;50 To 100, Deduct</i>	-0.28	
			<i>For &gt;250 To 500, Deduct</i>	-1.07	
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
26 05 29 00-0226	EA		4" Bolt And Nut Conduit Clip (Minerallac 9B) .....12.45		
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.30	
			<i>For &gt;500, Deduct</i>	-2.21	
			<i>For &gt;50 To 100, Deduct</i>	-0.43	
			<i>For &gt;250 To 500, Deduct</i>	-1.54	
			<i>For &gt;100 To 250, Deduct</i>	-0.86	
26 05 29 00-0227			<b>Conduit Hanger From Flange, Wire Or Rod</b> <small>(26 05 29 00-0165)</small>		
			Note: Bat wing.		
26 05 29 00-0228	EA		1/2", Conduit Hanger From Flange, Wire Or Rod .....2.81		
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.68	
			<i>For &gt;500, Deduct</i>	-0.74	
			<i>For &gt;50 To 100, Deduct</i>	-0.13	
			<i>For &gt;250 To 500, Deduct</i>	-0.50	
			<i>For &gt;100 To 250, Deduct</i>	-0.26	
26 05 29 00-0229	EA		3/4", Conduit Hanger From Flange, Wire Or Rod .....2.85		
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.68	
			<i>For &gt;500, Deduct</i>	-0.75	
			<i>For &gt;50 To 100, Deduct</i>	-0.13	
			<i>For &gt;250 To 500, Deduct</i>	-0.50	
			<i>For &gt;100 To 250, Deduct</i>	-0.26	
26 05 29 00-0230	EA		1", Conduit Hanger From Flange, Wire Or Rod .....2.97		
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.68	
			<i>For &gt;500, Deduct</i>	-0.76	
			<i>For &gt;50 To 100, Deduct</i>	-0.13	
			<i>For &gt;250 To 500, Deduct</i>	-0.51	
			<i>For &gt;100 To 250, Deduct</i>	-0.26	
26 05 29 00-0231	EA		1-1/4", Conduit Hanger From Flange, Wire Or Rod .....3.27		
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.68	
			<i>For &gt;500, Deduct</i>	-0.79	
			<i>For &gt;50 To 100, Deduct</i>	-0.14	
			<i>For &gt;250 To 500, Deduct</i>	-0.53	
			<i>For &gt;100 To 250, Deduct</i>	-0.28	
26 05 29 00-0232			<b>Beam Flange Clamps</b> <small>(26 05 29 00-0165)</small>		
			Note: For threaded rod, nut not required.		
26 05 29 00-0233	EA		1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24) .....4.08		
			<i>For &gt;500, Deduct</i>	-0.89	
			<i>For &gt;50 To 100, Deduct</i>	-0.16	
			<i>For &gt;250 To 500, Deduct</i>	-0.61	
			<i>For &gt;100 To 250, Deduct</i>	-0.32	
26 05 29 00-0234	EA		5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58) .....4.00		
			<i>For &gt;500, Deduct</i>	-0.88	
			<i>For &gt;50 To 100, Deduct</i>	-0.16	
			<i>For &gt;250 To 500, Deduct</i>	-0.60	
			<i>For &gt;100 To 250, Deduct</i>	-0.32	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0235	EA		9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912).....	4.46	
			<i>For &gt;500, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-0.17	
			<i>For &gt;250 To 500, Deduct</i>	-0.64	
			<i>For &gt;100 To 250, Deduct</i>	-0.34	
<b>26 05 29 00-0236</b>			<b>T-Bar Support Clips <small>(26 05 29 00-0165)</small></b>		
26 05 29 00-0237	EA		9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95).....	6.83	
			<i>For &gt;500, Deduct</i>	-1.65	
			<i>For &gt;50 To 100, Deduct</i>	-0.29	
			<i>For &gt;250 To 500, Deduct</i>	-1.11	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
26 05 29 00-0238	EA		15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS).....	6.47	
			<i>For &gt;500, Deduct</i>	-1.61	
			<i>For &gt;50 To 100, Deduct</i>	-0.28	
			<i>For &gt;250 To 500, Deduct</i>	-1.09	
			<i>For &gt;100 To 250, Deduct</i>	-0.56	
26 05 29 00-0239	EA		15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16).....	2.44	
			<i>For &gt;500, Deduct</i>	-0.48	
			<i>For &gt;50 To 100, Deduct</i>	-0.09	
			<i>For &gt;250 To 500, Deduct</i>	-0.33	
			<i>For &gt;100 To 250, Deduct</i>	-0.18	
26 05 29 00-0240	EA		24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512).....	19.73	
			<i>For &gt;500, Deduct</i>	-2.36	
			<i>For &gt;50 To 100, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;100 To 250, Deduct</i>	-1.08	
<b>26 05 29 00-0241</b>			<b>Switch And Outlet Box Type Supports <small>(26 05 29 00-0165)</small></b>		
26 05 29 00-0242	EA		1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS).....	4.97	
			<i>For &gt;500, Deduct</i>	-0.88	
			<i>For &gt;50 To 100, Deduct</i>	-0.17	
			<i>For &gt;250 To 500, Deduct</i>	-0.61	
			<i>For &gt;100 To 250, Deduct</i>	-0.35	
26 05 29 00-0243	EA		1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500).....	4.22	
			<i>For &gt;500, Deduct</i>	-0.81	
			<i>For &gt;50 To 100, Deduct</i>	-0.15	
			<i>For &gt;250 To 500, Deduct</i>	-0.56	
			<i>For &gt;100 To 250, Deduct</i>	-0.31	
26 05 29 00-0244	EA		Flush, Riveted Switch And Outlet Box Support (Caddy MFO).....	4.86	
			<i>For &gt;500, Deduct</i>	-0.87	
			<i>For &gt;50 To 100, Deduct</i>	-0.17	
			<i>For &gt;250 To 500, Deduct</i>	-0.61	
			<i>For &gt;100 To 250, Deduct</i>	-0.34	
26 05 29 00-0245	EA		Snap On, Switch And Outlet Box Support (Caddy MSF).....	3.15	
			<i>For &gt;500, Deduct</i>	-0.70	
			<i>For &gt;50 To 100, Deduct</i>	-0.13	
			<i>For &gt;250 To 500, Deduct</i>	-0.48	
			<i>For &gt;100 To 250, Deduct</i>	-0.25	
26 05 29 00-0246	EA		1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI).....	3.29	
			<i>For &gt;500, Deduct</i>	-0.72	
			<i>For &gt;50 To 100, Deduct</i>	-0.13	
			<i>For &gt;250 To 500, Deduct</i>	-0.49	
			<i>For &gt;100 To 250, Deduct</i>	-0.26	
<b>26 05 29 00-0247</b>			<b>Lighting Fixture Hanger <small>(26 05 29 00-0165)</small></b>		
			Note: For existing or owner furnished fixtures.		
26 05 29 00-0248	EA		Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515).....	4.58	
			<i>For &gt;500, Deduct</i>	-1.23	
			<i>For &gt;50 To 100, Deduct</i>	-0.21	
			<i>For &gt;250 To 500, Deduct</i>	-0.82	
			<i>For &gt;100 To 250, Deduct</i>	-0.42	
26 05 29 00-0249	PR		Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517).....	15.69	
			<i>For &gt;500, Deduct</i>	-2.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.66	
			<i>For &gt;100 To 250, Deduct</i>	-0.98	
26 05 29 00-0250	PR		Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520).....	21.53	
			<i>For &gt;500, Deduct</i>	-2.92	
			<i>For &gt;50 To 100, Deduct</i>	-0.63	
			<i>For &gt;250 To 500, Deduct</i>	-2.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.27	
<b>26 05 29 00-0251</b>			<b>Rigid Steel Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0165)</small></b>		
26 05 29 00-0252	EA		1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	4.05	
			<i>For &gt;500, Deduct</i>	-0.98	
			<i>For Work In Restricted Working Space, Add</i>	0.87	
			<i>For &gt;50 To 100, Deduct</i>	-0.17	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;100 To 250, Deduct</i>	-0.35	
26 05 29 00-0253	EA		3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	4.07	
			<i>For &gt;500, Deduct</i>	-0.99	
			<i>For Work In Restricted Working Space, Add</i>	0.87	
			<i>For &gt;50 To 100, Deduct</i>	-0.17	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;100 To 250, Deduct</i>	-0.35	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 05 29 00-0254	EA		1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	4.16	
			<i>For &gt;500, Deduct</i>	-0.99	
			<i>For Work In Restricted Working Space, Add</i>	0.87	
			<i>For &gt;50 To 100, Deduct</i>	-0.18	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;100 To 250, Deduct</i>	-0.35	
26 05 29 00-0255	EA		1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	5.25	
			<i>For &gt;500, Deduct</i>	-1.30	
			<i>For Work In Restricted Working Space, Add</i>	1.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.23	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;100 To 250, Deduct</i>	-0.46	
26 05 29 00-0256	EA		1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	5.72	
			<i>For &gt;500, Deduct</i>	-1.34	
			<i>For Work In Restricted Working Space, Add</i>	1.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.24	
			<i>For &gt;250 To 500, Deduct</i>	-0.91	
			<i>For &gt;100 To 250, Deduct</i>	-0.48	
26 05 29 00-0257	EA		2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	5.77	
			<i>For &gt;500, Deduct</i>	-1.35	
			<i>For Work In Restricted Working Space, Add</i>	1.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.24	
			<i>For &gt;250 To 500, Deduct</i>	-0.91	
			<i>For &gt;100 To 250, Deduct</i>	-0.48	
26 05 29 00-0258	EA		2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	7.07	
			<i>For &gt;500, Deduct</i>	-1.67	
			<i>For Work In Restricted Working Space, Add</i>	1.44	
			<i>For &gt;50 To 100, Deduct</i>	-0.30	
			<i>For &gt;250 To 500, Deduct</i>	-1.13	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
26 05 29 00-0259	EA		3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	7.49	
			<i>For &gt;500, Deduct</i>	-1.71	
			<i>For Work In Restricted Working Space, Add</i>	1.44	
			<i>For &gt;50 To 100, Deduct</i>	-0.31	
			<i>For &gt;250 To 500, Deduct</i>	-1.16	
			<i>For &gt;100 To 250, Deduct</i>	-0.62	
26 05 29 00-0260	EA		3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	7.89	
			<i>For &gt;500, Deduct</i>	-1.75	
			<i>For Work In Restricted Working Space, Add</i>	1.44	
			<i>For &gt;50 To 100, Deduct</i>	-0.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.19	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
26 05 29 00-0261	EA		4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	8.04	
			<i>For &gt;500, Deduct</i>	-1.77	
			<i>For Work In Restricted Working Space, Add</i>	1.44	
			<i>For &gt;50 To 100, Deduct</i>	-0.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.20	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
<b>26 05 29 00-0262</b>			<b>Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0263	EA		1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel .....	4.36	
			<i>For &gt;500, Deduct</i>	-1.01	
			<i>For Work In Restricted Working Space, Add</i>	0.87	
			<i>For &gt;50 To 100, Deduct</i>	-0.18	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;100 To 250, Deduct</i>	-0.36	
26 05 29 00-0264	EA		3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel .....	4.32	
			<i>For &gt;500, Deduct</i>	-1.01	
			<i>For Work In Restricted Working Space, Add</i>	0.87	
			<i>For &gt;50 To 100, Deduct</i>	-0.18	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;100 To 250, Deduct</i>	-0.36	
26 05 29 00-0265	EA		1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel .....	4.28	
			<i>For &gt;500, Deduct</i>	-1.01	
			<i>For Work In Restricted Working Space, Add</i>	0.87	
			<i>For &gt;50 To 100, Deduct</i>	-0.18	
			<i>For &gt;250 To 500, Deduct</i>	-0.68	
			<i>For &gt;100 To 250, Deduct</i>	-0.36	
26 05 29 00-0266	EA		1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel .....	5.63	
			<i>For &gt;500, Deduct</i>	-1.33	
			<i>For Work In Restricted Working Space, Add</i>	1.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.24	
			<i>For &gt;250 To 500, Deduct</i>	-0.90	
			<i>For &gt;100 To 250, Deduct</i>	-0.47	
26 05 29 00-0267	EA		1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel .....	6.45	
			<i>For &gt;500, Deduct</i>	-1.42	
			<i>For Work In Restricted Working Space, Add</i>	1.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.26	
			<i>For &gt;250 To 500, Deduct</i>	-0.97	
			<i>For &gt;100 To 250, Deduct</i>	-0.52	
26 05 29 00-0268	EA		2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel .....	6.50	
			<i>For &gt;500, Deduct</i>	-1.42	
			<i>For Work In Restricted Working Space, Add</i>	1.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.26	
			<i>For &gt;250 To 500, Deduct</i>	-0.97	
			<i>For &gt;100 To 250, Deduct</i>	-0.52	
<b>26 05 29 00-0269</b>			<b>"J" Type Conduit Hangers</b> <small>(26 05 29 00-0165)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0270	EA	1/2"	"J" Type Conduit Hanger (Unistrut J1205).....	18.99	
			<i>For &gt;500, Deduct</i>	-3.25	
			<i>For Work In Restricted Working Space, Add</i>	2.02	
			<i>For &gt;50 To 100, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-2.27	
			<i>For &gt;100 To 250, Deduct</i>	-1.29	
26 05 29 00-0271	EA	3/4"	"J" Type Conduit Hanger (Unistrut J1207).....	19.21	
			<i>For &gt;500, Deduct</i>	-3.27	
			<i>For Work In Restricted Working Space, Add</i>	2.02	
			<i>For &gt;50 To 100, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;100 To 250, Deduct</i>	-1.30	
26 05 29 00-0272	EA	1"	"J" Type Conduit Hanger (Unistrut J1210).....	20.37	
			<i>For &gt;500, Deduct</i>	-3.58	
			<i>For Work In Restricted Working Space, Add</i>	2.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.70	
			<i>For &gt;250 To 500, Deduct</i>	-2.49	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
26 05 29 00-0273	EA	1-1/4"	"J" Type Conduit Hanger (Unistrut J1212).....	20.60	
			<i>For &gt;500, Deduct</i>	-3.60	
			<i>For Work In Restricted Working Space, Add</i>	2.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-2.51	
			<i>For &gt;100 To 250, Deduct</i>	-1.42	
26 05 29 00-0274	EA	1-1/2"	"J" Type Conduit Hanger (Unistrut J1215).....	21.71	
			<i>For &gt;500, Deduct</i>	-3.90	
			<i>For Work In Restricted Working Space, Add</i>	2.60	
			<i>For &gt;50 To 100, Deduct</i>	-0.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.71	
			<i>For &gt;100 To 250, Deduct</i>	-1.52	
26 05 29 00-0275	EA	2"	"J" Type Conduit Hanger (Unistrut J1220).....	22.58	
			<i>For &gt;500, Deduct</i>	-3.99	
			<i>For Work In Restricted Working Space, Add</i>	2.60	
			<i>For &gt;50 To 100, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-2.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.56	
26 05 29 00-0276	EA	2-1/2"	"J" Type Conduit Hanger (Unistrut J1225).....	35.99	
			<i>For &gt;500, Deduct</i>	-5.53	
			<i>For Work In Restricted Working Space, Add</i>	2.89	
			<i>For &gt;50 To 100, Deduct</i>	-1.14	
			<i>For &gt;250 To 500, Deduct</i>	-3.90	
			<i>For &gt;100 To 250, Deduct</i>	-2.28	
26 05 29 00-0277	EA	3"	"J" Type Conduit Hanger (Unistrut J1230).....	38.26	
			<i>For &gt;500, Deduct</i>	-5.94	
			<i>For Work In Restricted Working Space, Add</i>	3.18	
			<i>For &gt;50 To 100, Deduct</i>	-1.22	
			<i>For &gt;250 To 500, Deduct</i>	-4.19	
			<i>For &gt;100 To 250, Deduct</i>	-2.44	
26 05 29 00-0278	EA	3-1/2"	"J" Type Conduit Hanger (Unistrut J1235).....	41.19	
			<i>For &gt;500, Deduct</i>	-6.43	
			<i>For Work In Restricted Working Space, Add</i>	3.47	
			<i>For &gt;50 To 100, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-4.53	
			<i>For &gt;100 To 250, Deduct</i>	-2.64	
26 05 29 00-0279	EA	4"	"J" Type Conduit Hanger (Unistrut J1240).....	54.69	
			<i>For &gt;500, Deduct</i>	-7.78	
			<i>For Work In Restricted Working Space, Add</i>	3.47	
			<i>For &gt;50 To 100, Deduct</i>	-1.66	
			<i>For &gt;250 To 500, Deduct</i>	-5.55	
			<i>For &gt;100 To 250, Deduct</i>	-3.31	
26 05 29 00-0280	EA	5"	"J" Type Conduit Hanger (Unistrut J1250).....	60.08	
			<i>For &gt;500, Deduct</i>	-8.51	
			<i>For Work In Restricted Working Space, Add</i>	3.75	
			<i>For &gt;50 To 100, Deduct</i>	-1.81	
			<i>For &gt;250 To 500, Deduct</i>	-6.07	
			<i>For &gt;100 To 250, Deduct</i>	-3.63	
26 05 29 00-0281	EA	6"	"J" Type Conduit Hanger (Unistrut J1260).....	84.62	
			<i>For &gt;500, Deduct</i>	-11.35	
			<i>For Work In Restricted Working Space, Add</i>	4.33	
			<i>For &gt;50 To 100, Deduct</i>	-2.48	
			<i>For &gt;250 To 500, Deduct</i>	-8.15	
			<i>For &gt;100 To 250, Deduct</i>	-4.95	
26 05 29 00-0282	<b>Between Studs Box Brackets</b> <small>(26 05 29 00-0165)</small>				
26 05 29 00-0283	EA	16"	Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A).....	6.86	
			<i>For &gt;500, Deduct</i>	-1.26	
			<i>For Work In Restricted Working Space, Add</i>	0.87	
			<i>For &gt;50 To 100, Deduct</i>	-0.24	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;100 To 250, Deduct</i>	-0.49	
26 05 29 00-0284	EA	24"	Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A).....	8.24	
			<i>For &gt;500, Deduct</i>	-1.40	
			<i>For Work In Restricted Working Space, Add</i>	0.87	
			<i>For &gt;50 To 100, Deduct</i>	-0.28	
			<i>For &gt;250 To 500, Deduct</i>	-0.98	
			<i>For &gt;100 To 250, Deduct</i>	-0.56	
26 05 29 00-0285	<b>Hangers And Brackets</b> <small>(26 05 29 00-0165)</small>				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0286	EA		Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI) .....	2.45	
			<i>For &gt;500, Deduct</i>	-0.63	
			<i>For &gt;50 To 100, Deduct</i>	-0.11	
			<i>For &gt;250 To 500, Deduct</i>	-0.43	
			<i>For &gt;100 To 250, Deduct</i>	-0.22	
26 05 29 00-0287	EA		Angle Bracket Only With 1/4" Hole (Caddy AB) .....	2.37	
			<i>For &gt;500, Deduct</i>	-0.62	
			<i>For &gt;50 To 100, Deduct</i>	-0.11	
			<i>For &gt;250 To 500, Deduct</i>	-0.42	
			<i>For &gt;100 To 250, Deduct</i>	-0.22	
26 05 29 00-0288	EA		Offset Bracket Only With 1/4" Hole (Caddy AO) .....	2.37	
			<i>For &gt;500, Deduct</i>	-0.62	
			<i>For &gt;50 To 100, Deduct</i>	-0.11	
			<i>For &gt;250 To 500, Deduct</i>	-0.42	
			<i>For &gt;100 To 250, Deduct</i>	-0.22	
26 05 29 00-0289	EA		Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	3.20	
			<i>For &gt;500, Deduct</i>	-0.71	
			<i>For &gt;50 To 100, Deduct</i>	-0.13	
			<i>For &gt;250 To 500, Deduct</i>	-0.48	
			<i>For &gt;100 To 250, Deduct</i>	-0.26	
26 05 29 00-0290	EA		Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	3.21	
			<i>For &gt;500, Deduct</i>	-0.71	
			<i>For &gt;50 To 100, Deduct</i>	-0.13	
			<i>For &gt;250 To 500, Deduct</i>	-0.48	
			<i>For &gt;100 To 250, Deduct</i>	-0.26	
26 05 29 00-0291	EA		Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	3.12	
			<i>For &gt;500, Deduct</i>	-0.70	
			<i>For &gt;50 To 100, Deduct</i>	-0.13	
			<i>For &gt;250 To 500, Deduct</i>	-0.48	
			<i>For &gt;100 To 250, Deduct</i>	-0.25	
26 05 29 00-0292	EA		Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	3.20	
			<i>For &gt;500, Deduct</i>	-0.71	
			<i>For &gt;50 To 100, Deduct</i>	-0.13	
			<i>For &gt;250 To 500, Deduct</i>	-0.48	
			<i>For &gt;100 To 250, Deduct</i>	-0.26	
26 05 29 00-0293	EA		Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	3.21	
			<i>For &gt;500, Deduct</i>	-0.71	
			<i>For &gt;50 To 100, Deduct</i>	-0.13	
			<i>For &gt;250 To 500, Deduct</i>	-0.48	
			<i>For &gt;100 To 250, Deduct</i>	-0.26	
<b>26 05 29 00-0294</b>			<b>Clips And Accessories</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0295	EA		1/2" Diameter Center, Bridle Ring (Caddy 2BR) .....	1.66	
			<i>For &gt;500, Deduct</i>	-0.41	
			<i>For &gt;50 To 100, Deduct</i>	-0.07	
			<i>For &gt;250 To 500, Deduct</i>	-0.27	
			<i>For &gt;100 To 250, Deduct</i>	-0.14	
26 05 29 00-0296	EA		3/4" Diameter Center, Bridle Ring (Caddy 2BR12) .....	1.69	
			<i>For &gt;500, Deduct</i>	-0.41	
			<i>For &gt;50 To 100, Deduct</i>	-0.07	
			<i>For &gt;250 To 500, Deduct</i>	-0.28	
			<i>For &gt;100 To 250, Deduct</i>	-0.14	
26 05 29 00-0297	EA		1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20) .....	1.81	
			<i>For &gt;500, Deduct</i>	-0.42	
			<i>For &gt;50 To 100, Deduct</i>	-0.08	
			<i>For &gt;250 To 500, Deduct</i>	-0.29	
			<i>For &gt;100 To 250, Deduct</i>	-0.15	
26 05 29 00-0298	EA		2" Diameter Center, Bridle Ring (Caddy 2BR32) .....	2.07	
			<i>For &gt;500, Deduct</i>	-0.45	
			<i>For &gt;50 To 100, Deduct</i>	-0.08	
			<i>For &gt;250 To 500, Deduct</i>	-0.31	
			<i>For &gt;100 To 250, Deduct</i>	-0.16	
<b>26 05 29 00-0299</b>			<b>Wire Ties</b> <small>(26 05 29 00-0165)</small>		
			Note: Per hundred (C).		
26 05 29 00-0300	C		3" Length, 18 LB Tensile Strength, Nylon Cable Ties .....	24.04	
			<i>For Up To 0.1, Add</i>	20.10	
			<i>For &gt;0.1 To 0.25, Add</i>	10.05	
			<i>For &gt;0.25 To 0.75, Add</i>	5.03	
			<i>For &gt;2.0, Deduct</i>	-2.01	
			<i>For UV Black, Add</i>	0.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.03	
26 05 29 00-0301	C		4" Length, 18 LB Tensile Strength, Nylon Cable Ties .....	24.20	
			<i>For Up To 0.1, Add</i>	20.10	
			<i>For &gt;0.1 To 0.25, Add</i>	10.05	
			<i>For &gt;0.25 To 0.75, Add</i>	5.03	
			<i>For &gt;2.0, Deduct</i>	-2.01	
			<i>For UV Black, Add</i>	0.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.03	
26 05 29 00-0302	C		4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties .....	24.30	
			<i>For Up To 0.1, Add</i>	20.10	
			<i>For &gt;0.1 To 0.25, Add</i>	10.05	
			<i>For &gt;0.25 To 0.75, Add</i>	5.03	
			<i>For &gt;2.0, Deduct</i>	-2.01	
			<i>For UV Black, Add</i>	0.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.03	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 29 00-0303	C 5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties .....	24.35	
	For Up To 0.1, Add	20.10	
	For >0.1 To 0.25, Add	10.05	
	For >0.25 To 0.75, Add	5.03	
	For >2.0, Deduct	-2.01	
	For UV Black, Add	0.64	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.03	
26 05 29 00-0304	C 6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties .....	25.26	
	For Up To 0.1, Add	20.97	
	For >0.1 To 0.25, Add	10.49	
	For >0.25 To 0.75, Add	5.24	
	For >2.0, Deduct	-2.10	
	For UV Black, Add	0.64	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.29	
26 05 29 00-0305	C 8" Length, 18 LB Tensile Strength, Nylon Cable Ties .....	29.55	
	For Up To 0.1, Add	21.93	
	For >0.1 To 0.25, Add	10.97	
	For >0.25 To 0.75, Add	5.48	
	For >2.0, Deduct	-2.19	
	For UV Black, Add	1.14	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.58	
26 05 29 00-0306	C 4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties .....	28.27	
	For Up To 0.1, Add	20.10	
	For >0.1 To 0.25, Add	10.05	
	For >0.25 To 0.75, Add	5.03	
	For >2.0, Deduct	-2.01	
	For UV Black, Add	1.23	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.03	
26 05 29 00-0307	C 6" Length, 40 LB Tensile Strength, Nylon Cable Ties .....	29.21	
	For Up To 0.1, Add	20.97	
	For >0.1 To 0.25, Add	10.49	
	For >0.25 To 0.75, Add	5.24	
	For >2.0, Deduct	-2.10	
	For UV Black, Add	1.24	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.29	
26 05 29 00-0308	C 8" Length, 40 LB Tensile Strength, Nylon Cable Ties .....	30.21	
	For Up To 0.1, Add	21.93	
	For >0.1 To 0.25, Add	10.97	
	For >0.25 To 0.75, Add	5.48	
	For >2.0, Deduct	-2.19	
	For UV Black, Add	1.24	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.58	
26 05 29 00-0309	C 10" Length, 40 LB Tensile Strength, Nylon Cable Ties .....	42.74	
	For Up To 0.1, Add	23.64	
	For >0.1 To 0.25, Add	11.82	
	For >0.25 To 0.75, Add	5.91	
	For >2.0, Deduct	-2.36	
	For UV Black, Add	2.87	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.09	
26 05 29 00-0310	C 11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties .....	44.47	
	For Up To 0.1, Add	23.64	
	For >0.1 To 0.25, Add	11.82	
	For >0.25 To 0.75, Add	5.91	
	For >2.0, Deduct	-2.36	
	For UV Black, Add	3.12	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.09	
26 05 29 00-0311	C 7" Length, 50 LB Tensile Strength, Nylon Cable Ties .....	31.42	
	For Up To 0.1, Add	21.93	
	For >0.1 To 0.25, Add	10.97	
	For >0.25 To 0.75, Add	5.48	
	For >2.0, Deduct	-2.19	
	For UV Black, Add	1.42	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.58	
26 05 29 00-0312	C 8" Length, 50 LB Tensile Strength, Nylon Cable Ties .....	29.89	
	For Up To 0.1, Add	21.93	
	For >0.1 To 0.25, Add	10.97	
	For >0.25 To 0.75, Add	5.48	
	For >2.0, Deduct	-2.19	
	For UV Black, Add	1.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.58	
26 05 29 00-0313	C 11" Length, 50 LB Tensile Strength, Nylon Cable Ties .....	43.21	
	For Up To 0.1, Add	23.64	
	For >0.1 To 0.25, Add	11.82	
	For >0.25 To 0.75, Add	5.91	
	For >2.0, Deduct	-2.36	
	For UV Black, Add	2.94	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.09	
26 05 29 00-0314	C 14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties .....	49.19	
	For Up To 0.1, Add	25.12	
	For >0.1 To 0.25, Add	12.56	
	For >0.25 To 0.75, Add	6.28	
	For >2.0, Deduct	-2.51	
	For UV Black, Add	3.61	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.54	
26 05 29 00-0315	C 8" Length, 120 LB Tensile Strength, Nylon Cable Ties .....	47.75	
	For Up To 0.1, Add	21.93	
	For >0.1 To 0.25, Add	10.97	
	For >0.25 To 0.75, Add	5.48	
	For >2.0, Deduct	-2.19	
	For UV Black, Add	3.87	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

26 05 29 00-0316	C	11"	Length, 120 LB Tensile Strength, Nylon Cable Ties .....	52.23	
			For Up To 0.1, Add	23.64	
			For >0.1 To 0.25, Add	11.82	
			For >0.25 To 0.75, Add	5.91	
			For >2.0, Deduct	-2.36	
			For UV Black, Add	4.29	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.09	
26 05 29 00-0317	C	15"	Length, 120 LB Tensile Strength, Nylon Cable Ties .....	62.72	
			For Up To 0.1, Add	25.12	
			For >0.1 To 0.25, Add	12.56	
			For >0.25 To 0.75, Add	6.28	
			For >2.0, Deduct	-2.51	
			For UV Black, Add	5.64	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.54	
26 05 29 00-0318	C	17"	Length, 120 LB Tensile Strength, Nylon Cable Ties .....	88.40	
			For Up To 0.1, Add	26.79	
			For >0.1 To 0.25, Add	13.40	
			For >0.25 To 0.75, Add	6.70	
			For >2.0, Deduct	-2.68	
			For UV Black, Add	9.24	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 29 00-0319	C	17-3/4"	Length, 175 LB Tensile Strength, Nylon Cable Ties .....	85.77	
			For Up To 0.1, Add	26.79	
			For >0.1 To 0.25, Add	13.40	
			For >0.25 To 0.75, Add	6.70	
			For >2.0, Deduct	-2.68	
			For UV Black, Add	8.85	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 29 00-0320	C	21-11/16"	Length, 175 LB Tensile Strength, Nylon Cable Ties .....	103.83	
			For Up To 0.1, Add	28.04	
			For >0.1 To 0.25, Add	14.02	
			For >0.25 To 0.75, Add	7.01	
			For >2.0, Deduct	-2.80	
			For UV Black, Add	11.37	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.41	
26 05 29 00-0321	C	30"	Length, 175 LB Tensile Strength, Nylon Cable Ties .....	119.75	
			For Up To 0.1, Add	29.41	
			For >0.1 To 0.25, Add	14.71	
			For >0.25 To 0.75, Add	7.35	
			For >2.0, Deduct	-2.94	
			For UV Black, Add	13.55	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82	
26 05 29 00-0322	C	46"	Length, 175 LB Tensile Strength, Nylon Cable Ties .....	162.99	
			For Up To 0.1, Add	31.73	
			For >0.1 To 0.25, Add	15.87	
			For >0.25 To 0.75, Add	7.93	
			For >2.0, Deduct	-3.17	
			For UV Black, Add	19.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.52	
26 05 29 00-0323	C	3/4" x 3/4"	Self Adhesive Tie Mounts .....	32.08	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.05	
26 05 29 00-0324	C	1.1" x 1.1"	Tie Mounts With Screw .....	63.65	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.09	
26 05 29 00-0325	EA	6"	Length x 1/2" Width, Velcro Grip Cable Tie .....	1.72	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.14	
26 05 29 00-0326	EA	8"	Length x 1/2" Width, Velcro Grip Cable Tie .....	1.71	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.12	
26 05 29 00-0327	EA	12"	Length x 1/2" Width, Velcro Grip Cable Tie .....	2.10	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.12	
26 05 29 00-0328	EA	15"	Length x 3/4" Width, Velcro Grip Cable Tie .....	2.92	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.12	
26 05 29 00-0329	EA	180"	Length x 3/4" Width, Velcro Grip Cable Tie Roll .....	74.14	
			Note: Cut to length.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.90	

**26 05 29 00-0330 Fastening Devices For Wireway And Conduit** (26 05 29)  
 Note: Bolts include drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports.

26 05 29 00-0331			<b>Toggle Bolts</b> <small>(26 05 29 00-0330)</small>		
			Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0332	EA	1/8"	Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt .....	7.57	
			For >100 To 250, Deduct	-1.43	
			For >500, Deduct	-3.57	
			For >250 To 500, Deduct	-2.50	
			For >50 To 100, Deduct	-0.72	
26 05 29 00-0333	EA	1/8"	Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt .....	7.78	
			For >100 To 250, Deduct	-1.47	
			For >500, Deduct	-3.66	
			For >250 To 500, Deduct	-2.57	
			For >50 To 100, Deduct	-0.74	
26 05 29 00-0334	EA	3/16"	Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt .....	8.25	
			For >100 To 250, Deduct	-1.52	
			For >500, Deduct	-3.78	
			For >250 To 500, Deduct	-2.65	
			For >50 To 100, Deduct	-0.76	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0335	EA		3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt .....	8.46	
			<i>For &gt;100 To 250, Deduct</i>	-1.56	
			<i>For &gt;500, Deduct</i>	-3.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.71	
			<i>For &gt;50 To 100, Deduct</i>	-0.78	
26 05 29 00-0336	EA		1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt .....	8.65	
			<i>For &gt;100 To 250, Deduct</i>	-1.59	
			<i>For &gt;500, Deduct</i>	-3.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;50 To 100, Deduct</i>	-0.80	
26 05 29 00-0337	EA		5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt .....	9.99	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;500, Deduct</i>	-4.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.93	
			<i>For &gt;50 To 100, Deduct</i>	-0.84	
26 05 29 00-0338	EA		3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt .....	10.42	
			<i>For &gt;100 To 250, Deduct</i>	-1.73	
			<i>For &gt;500, Deduct</i>	-4.28	
			<i>For &gt;250 To 500, Deduct</i>	-3.01	
			<i>For &gt;50 To 100, Deduct</i>	-0.87	
<b>26 05 29 00-0339</b>			<b>Machine Screws</b> <small>(26 05 29 00-0330)</small>		
			Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0340	EA		#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw .....	2.23	
			<i>For &gt;100 To 250, Deduct</i>	-0.43	
			<i>For &gt;500, Deduct</i>	-1.08	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;50 To 100, Deduct</i>	-0.22	
26 05 29 00-0341	EA		#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw .....	2.27	
			<i>For &gt;100 To 250, Deduct</i>	-0.43	
			<i>For &gt;500, Deduct</i>	-1.08	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;50 To 100, Deduct</i>	-0.22	
26 05 29 00-0342	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw .....	2.85	
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;500, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-0.95	
			<i>For &gt;50 To 100, Deduct</i>	-0.27	
26 05 29 00-0343	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw .....	3.00	
			<i>For &gt;100 To 250, Deduct</i>	-0.55	
			<i>For &gt;500, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-0.96	
			<i>For &gt;50 To 100, Deduct</i>	-0.28	
26 05 29 00-0344	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw .....	3.72	
			<i>For &gt;100 To 250, Deduct</i>	-0.67	
			<i>For &gt;500, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-1.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.33	
<b>26 05 29 00-0345</b>			<b>Hex Lag Bolts With Lag Shield Expansion Anchors</b> <small>(26 05 29 00-0330)</small>		
			Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0346	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor .....	3.81	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;500, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.02	
			<i>For &gt;50 To 100, Deduct</i>	-0.30	
26 05 29 00-0347	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor .....	3.76	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;500, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.02	
			<i>For &gt;50 To 100, Deduct</i>	-0.30	
26 05 29 00-0348	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor .....	5.45	
			<i>For &gt;100 To 250, Deduct</i>	-0.75	
			<i>For &gt;500, Deduct</i>	-1.83	
			<i>For &gt;250 To 500, Deduct</i>	-1.29	
			<i>For &gt;50 To 100, Deduct</i>	-0.38	
26 05 29 00-0349	EA		1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor .....	7.03	
			<i>For &gt;100 To 250, Deduct</i>	-0.91	
			<i>For &gt;500, Deduct</i>	-2.19	
			<i>For &gt;250 To 500, Deduct</i>	-1.55	
			<i>For &gt;50 To 100, Deduct</i>	-0.45	
<b>26 05 29 00-0350</b>			<b>Hanger Lag Bolts With Hex Nuts</b> <small>(26 05 29 00-0330)</small>		
			Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0351	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut .....	2.82	
			<i>For &gt;100 To 250, Deduct</i>	-0.46	
			<i>For &gt;500, Deduct</i>	-1.14	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;50 To 100, Deduct</i>	-0.23	
26 05 29 00-0352	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut .....	2.88	
			<i>For &gt;100 To 250, Deduct</i>	-0.47	
			<i>For &gt;500, Deduct</i>	-1.14	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;50 To 100, Deduct</i>	-0.23	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

26 05 29 00-0353	EA	3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut .....	3.43	
		For >100 To 250, Deduct	-0.53	
		For >500, Deduct	-1.30	
		For >250 To 500, Deduct	-0.91	
		For >50 To 100, Deduct	-0.26	

**26 05 29 00-0354 Hollow Wall Screw Anchors** (26 05 29 00-0330)

26 05 29 00-0355	EA	6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....	1.65	
		For >100 To 250, Deduct	-0.27	
		For >500, Deduct	-0.68	
		For >250 To 500, Deduct	-0.48	
		For >50 To 100, Deduct	-0.14	
26 05 29 00-0356	EA	6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....	1.71	
		For >100 To 250, Deduct	-0.28	
		For >500, Deduct	-0.68	
		For >250 To 500, Deduct	-0.48	
		For >50 To 100, Deduct	-0.14	
26 05 29 00-0357	EA	6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....	1.81	
		For >100 To 250, Deduct	-0.28	
		For >500, Deduct	-0.69	
		For >250 To 500, Deduct	-0.49	
		For >50 To 100, Deduct	-0.14	
26 05 29 00-0358	EA	10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....	2.32	
		For >100 To 250, Deduct	-0.34	
		For >500, Deduct	-0.83	
		For >250 To 500, Deduct	-0.58	
		For >50 To 100, Deduct	-0.17	
26 05 29 00-0359	EA	10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....	2.45	
		For >100 To 250, Deduct	-0.35	
		For >500, Deduct	-0.84	
		For >250 To 500, Deduct	-0.59	
		For >50 To 100, Deduct	-0.17	
26 05 29 00-0360	EA	10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....	2.49	
		For >100 To 250, Deduct	-0.35	
		For >500, Deduct	-0.85	
		For >250 To 500, Deduct	-0.60	
		For >50 To 100, Deduct	-0.17	
26 05 29 00-0361	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....	2.51	
		For >100 To 250, Deduct	-0.35	
		For >500, Deduct	-0.85	
		For >250 To 500, Deduct	-0.60	
		For >50 To 100, Deduct	-0.17	
26 05 29 00-0362	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....	2.70	
		For >100 To 250, Deduct	-0.36	
		For >500, Deduct	-0.87	
		For >250 To 500, Deduct	-0.61	
		For >50 To 100, Deduct	-0.18	
26 05 29 00-0363	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....	2.77	
		For >100 To 250, Deduct	-0.36	
		For >500, Deduct	-0.87	
		For >250 To 500, Deduct	-0.62	
		For >50 To 100, Deduct	-0.18	

**26 05 29 00-0364 Lead Screw Anchors** (26 05 29 00-0330)

Note: Includes screw.				
26 05 29 00-0365	EA	#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw .....	3.77	
		For >100 To 250, Deduct	-0.68	
		For >500, Deduct	-1.69	
		For >250 To 500, Deduct	-1.18	
		For >50 To 100, Deduct	-0.34	
26 05 29 00-0366	EA	#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw .....	4.51	
		For >100 To 250, Deduct	-0.79	
		For >500, Deduct	-1.97	
		For >250 To 500, Deduct	-1.38	
		For >50 To 100, Deduct	-0.40	
26 05 29 00-0367	EA	#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw .....	6.18	
		For >100 To 250, Deduct	-1.03	
		For >500, Deduct	-2.55	
		For >250 To 500, Deduct	-1.79	
		For >50 To 100, Deduct	-0.52	

**26 05 29 00-0368 Acoustical T-Bar Clips** (26 05 29 00-0330)

Note: For conduit installation above suspended ceilings up to 15' height.				
26 05 29 00-0369	EA	1/2" Conduit, Push-In Acoustical T-Bar Clip .....	5.90	
		For >100 To 250, Deduct	-0.91	
		For >500, Deduct	-2.23	
		For >250 To 500, Deduct	-1.57	
		For >50 To 100, Deduct	-0.45	
26 05 29 00-0370	EA	3/4" Conduit, Push-In Acoustical T-Bar Clip .....	6.19	
		For >100 To 250, Deduct	-0.96	
		For >500, Deduct	-2.34	
		For >250 To 500, Deduct	-1.65	
		For >50 To 100, Deduct	-0.48	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0371	EA		1" Conduit, Push-In Acoustical T-Bar Clip.....	6.74	
			<i>For &gt;100 To 250, Deduct</i>	-1.02	
			<i>For &gt;500, Deduct</i>	-2.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.76	
			<i>For &gt;50 To 100, Deduct</i>	-0.51	
<b>26 05 29 00-0372</b>			<b>Threaded Rod, Accessories And Attachments (26 05 29)</b>		
<b>26 05 29 00-0373</b>			<b>Threaded Rod And Rod Accessories (26 05 29 00-0372)</b>		
<b>26 05 29 00-0374</b>			<b>Carbon Steel Threaded Rod (26 05 29 00-0373)</b>		
			Note: Includes plain finish.		
26 05 29 00-0375	LF		3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	3.23	0.60
			<i>For Zinc Coated, Add</i>	0.58	
			<i>For Galvanized, Add</i>	0.81	
26 05 29 00-0376	LF		1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	4.51	0.64
			<i>For Zinc Coated, Add</i>	0.92	
			<i>For Galvanized, Add</i>	1.29	
26 05 29 00-0377	LF		5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	6.32	0.66
			<i>For Zinc Coated, Add</i>	1.42	
			<i>For Galvanized, Add</i>	2.00	
26 05 29 00-0378	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	10.43	0.68
			<i>For Zinc Coated, Add</i>	2.58	
			<i>For Galvanized, Add</i>	3.62	
26 05 29 00-0379	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	11.38	0.71
			<i>For Zinc Coated, Add</i>	2.84	
			<i>For Galvanized, Add</i>	3.98	
26 05 29 00-0380	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	15.59	0.80
			<i>For Zinc Coated, Add</i>	3.98	
			<i>For Galvanized, Add</i>	5.59	
26 05 29 00-0381	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	19.43	0.89
			<i>For Zinc Coated, Add</i>	5.03	
			<i>For Galvanized, Add</i>	7.06	
<b>26 05 29 00-0382</b>			<b>Threaded Rod Couplings (26 05 29 00-0373)</b>		
26 05 29 00-0383	EA		3/8" Diameter, Threaded Rod Coupling Nut.....	8.01	
26 05 29 00-0384	EA		1/2" Diameter, Threaded Rod Coupling Nut.....	9.12	
26 05 29 00-0385	EA		5/8" Diameter, Threaded Rod Coupling Nut.....	11.54	
26 05 29 00-0386	EA		3/4" Diameter, Threaded Rod Coupling Nut.....	14.25	
26 05 29 00-0387	EA		7/8" Diameter, Threaded Rod Coupling Nut.....	21.46	
26 05 29 00-0388	EA		1" Diameter, Threaded Rod Coupling Nut.....	25.47	
26 05 29 00-0389	EA		1-1/8" Diameter, Threaded Rod Coupling Nut.....	50.28	
<b>26 05 29 00-0390</b>			<b>Flat Washers (26 05 29 00-0373)</b>		
26 05 29 00-0391	EA		3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.69	0.24
			<i>For Galvanized, Add</i>	0.04	
26 05 29 00-0392	EA		1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.90	0.24
			<i>For Galvanized, Add</i>	0.08	
26 05 29 00-0393	EA		5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.21	0.24
			<i>For Galvanized, Add</i>	0.15	
26 05 29 00-0394	EA		3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.50	0.48
			<i>For Galvanized, Add</i>	0.21	
26 05 29 00-0395	EA		7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.70	0.48
			<i>For Galvanized, Add</i>	0.25	
26 05 29 00-0396	EA		1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.01	0.48
			<i>For Galvanized, Add</i>	0.30	
26 05 29 00-0397	EA		1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.26	0.48
			<i>For Galvanized, Add</i>	0.34	
<b>26 05 29 00-0398</b>			<b>Malleable Iron Eye Sockets (26 05 29 00-0373)</b>		
			Note: Type 16.		
26 05 29 00-0399	EA		3/8" Rod Size, Malleable Iron Eye Socket.....	9.41	
26 05 29 00-0400	EA		1/2" Rod Size, Malleable Iron Eye Socket.....	11.28	
26 05 29 00-0401	EA		5/8" Rod Size, Malleable Iron Eye Socket.....	19.80	
26 05 29 00-0402	EA		3/4" Rod Size, Malleable Iron Eye Socket.....	28.32	
26 05 29 00-0403	EA		7/8" Rod Size, Malleable Iron Eye Socket.....	30.14	
<b>26 05 29 00-0404</b>			<b>Hex Nuts (26 05 29 00-0373)</b>		
26 05 29 00-0405	EA		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.66	0.24
			<i>For Galvanized, Add</i>	0.03	
26 05 29 00-0406	EA		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.86	0.24
			<i>For Galvanized, Add</i>	0.07	
26 05 29 00-0407	EA		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.21	0.24
			<i>For Galvanized, Add</i>	0.15	
26 05 29 00-0408	EA		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.45	0.48
			<i>For Galvanized, Add</i>	0.20	
26 05 29 00-0409	EA		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.18	0.48
			<i>For Galvanized, Add</i>	0.37	
26 05 29 00-0410	EA		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.79	0.48
			<i>For Galvanized, Add</i>	0.50	
26 05 29 00-0411	EA		1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	4.65	0.48
			<i>For Galvanized, Add</i>	0.94	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 05 29 00-0412</b>	<b>Forged Steel Turnbuckles</b> <small>(26 05 29 00-0373)</small> Note: Type 13.		
26 05 29 00-0413	EA 3/8" Thread Diameter, Forged Steel Turnbuckle Body.....	22.98	
26 05 29 00-0414	EA 1/2" Thread Diameter, Forged Steel Turnbuckle Body.....	28.42	
26 05 29 00-0415	EA 5/8" Thread Diameter, Forged Steel Turnbuckle Body.....	38.14	
26 05 29 00-0416	EA 3/4" Thread Diameter, Forged Steel Turnbuckle Body.....	47.23	
26 05 29 00-0417	EA 7/8" Thread Diameter, Forged Steel Turnbuckle Body.....	116.87	
26 05 29 00-0418	EA 1" Thread Diameter, Forged Steel Turnbuckle Body.....	77.49	
26 05 29 00-0419	EA 1-1/4" Thread Diameter, Forged Steel Turnbuckle Body.....	156.32	
<b>26 05 29 00-0420</b>	<b>Attachments</b> <small>(26 05 29 00-0372)</small>		
<b>26 05 29 00-0421</b>	<b>Welded Beam Attachments</b> <small>(26 05 29 00-0420)</small> Note: Type 22.		
26 05 29 00-0422	EA 3/8" Rod Size, Welded Beam Attachment.....	42.12	9.63
26 05 29 00-0423	EA 1/2" Rod Size, Welded Beam Attachment.....	44.93	10.11
26 05 29 00-0424	EA 5/8" Rod Size, Welded Beam Attachment.....	47.83	10.69
26 05 29 00-0425	EA 3/4" Rod Size, Welded Beam Attachment.....	60.94	11.36
26 05 29 00-0426	EA 7/8" Rod Size, Welded Beam Attachment.....	73.07	12.03
26 05 29 00-0427	EA 1" Rod Size, Welded Beam Attachment.....	102.32	13.77
26 05 29 00-0428	EA 1-1/8" Rod Size, Welded Beam Attachment.....	144.70	14.44
<b>26 05 29 00-0429</b>	<b>C-Clamp Style Beam Clamps</b> <small>(26 05 29 00-0420)</small> Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0430	EA 3/8" Rod Size, C-Clamp Style Beam Clamp.....	14.86	7.24
26 05 29 00-0431	EA 1/2" Rod Size, C-Clamp Style Beam Clamp.....	17.70	7.72
26 05 29 00-0432	EA 5/8" Rod Size, C-Clamp Style Beam Clamp.....	20.08	8.27
26 05 29 00-0433	EA 3/4" Rod Size, C-Clamp Style Beam Clamp.....	25.76	8.90
26 05 29 00-0434	EA 7/8" Rod Size, C-Clamp Style Beam Clamp.....	37.30	9.65
<b>26 05 29 00-0435</b>	<b>Bottom Mount I-Beam Clamps</b> <small>(26 05 29 00-0420)</small> Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0436	EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	40.63	9.65
26 05 29 00-0437	EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	59.61	10.52
26 05 29 00-0438	EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	85.08	11.58
26 05 29 00-0439	EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	101.80	12.86
26 05 29 00-0440	EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	246.03	14.47
<b>26 05 29 00-0441</b>	<b>Steel U-Bolts</b> <small>(26 05 29 00-0420)</small> Note: Type 24. Includes plate and nuts.		
26 05 29 00-0442	EA 1/2" Pipe Size, Zinc Plated Steel, U-Bolt.....	12.11	5.79
26 05 29 00-0443	EA 3/4" Pipe Size, Zinc Plated Steel, U-Bolt.....	13.13	6.09
26 05 29 00-0444	EA 1" Pipe Size, Zinc Plated Steel, U-Bolt.....	14.13	6.43
26 05 29 00-0445	EA 1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt.....	16.04	6.81
26 05 29 00-0446	EA 1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt.....	16.58	7.24
26 05 29 00-0447	EA 2" Pipe Size, Zinc Plated Steel, U-Bolt.....	17.74	7.72
26 05 29 00-0448	EA 2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt.....	25.47	8.27
26 05 29 00-0449	EA 3" Pipe Size, Zinc Plated Steel, U-Bolt.....	28.08	8.90
26 05 29 00-0450	EA 4" Pipe Size, Zinc Plated Steel, U-Bolt.....	33.89	9.65
<b>26 05 29 00-0451</b>	<b>Stainless Steel Threaded Rod</b> <small>(26 05 29 00-0372)</small>		
26 05 29 00-0452	LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	3.05	0.48
	For 316 Stainless Steel, Add	0.85	
26 05 29 00-0453	LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	4.65	0.53
	For 316 Stainless Steel, Add	1.45	
26 05 29 00-0454	LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	5.99	0.60
	For 316 Stainless Steel, Add	1.94	
26 05 29 00-0455	LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	8.36	0.62
	For 316 Stainless Steel, Add	2.88	
26 05 29 00-0456	LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	10.05	0.64
	For 316 Stainless Steel, Add	3.55	
26 05 29 00-0457	LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	15.10	0.65
	For 316 Stainless Steel, Add	5.58	
26 05 29 00-0458	LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	21.19	0.66
	For 316 Stainless Steel, Add	8.04	
26 05 29 00-0459	LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	29.19	0.68
	For 316 Stainless Steel, Add	11.27	
26 05 29 00-0460	LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	37.53	0.80
	For 316 Stainless Steel, Add	14.55	
26 05 29 00-0461	LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	79.57	0.96
	For 316 Stainless Steel, Add	31.41	
<b>26 05 29 00-0462</b>	<b>Polyvinyl Chloride (PVC) Coated Supports</b> <small>(26 05 29)</small> Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
<b>26 05 29 00-0463</b>	<b>Polyvinyl Chloride (PVC) Coated Beam Clamps</b> <small>(26 05 29 00-0462)</small>		
<b>26 05 29 00-0464</b>	<b>Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps</b> <small>(26 05 29 00-0463)</small>		
26 05 29 00-0465	EA 1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	47.41	19.25

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 29 00-0466	EA	3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	51.56		20.99
26 05 29 00-0467	EA	1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	55.26		23.10
26 05 29 00-0468	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	65.55		25.70
26 05 29 00-0469	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	75.45		28.88
26 05 29 00-0470	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	89.26		31.77
26 05 29 00-0471	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	97.59		34.66
26 05 29 00-0472	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	107.24		37.54
26 05 29 00-0473	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	113.54		40.43
26 05 29 00-0474	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	122.58		43.32
<b>26 05 29 00-0475</b>		<b>Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)</b>			
26 05 29 00-0476	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	50.37		19.25
26 05 29 00-0477	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	53.56		20.99
26 05 29 00-0478	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	61.26		23.10
26 05 29 00-0479	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	67.68		25.70
26 05 29 00-0480	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	76.27		28.88
26 05 29 00-0481	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	87.85		31.77
26 05 29 00-0482	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	100.26		34.66
26 05 29 00-0483	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	110.78		37.54
26 05 29 00-0484	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	117.99		40.43
26 05 29 00-0485	EA	4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	123.17		43.32
<b>26 05 29 00-0486</b>		<b>Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)</b>			
26 05 29 00-0487	EA	1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	47.89		19.06
26 05 29 00-0488	EA	3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	51.61		20.79
26 05 29 00-0489	EA	1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	58.27		23.10
26 05 29 00-0490	EA	1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	67.76		25.41
26 05 29 00-0491	EA	1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	86.76		28.88
26 05 29 00-0492	EA	2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	95.17		31.77
<b>26 05 29 00-0493</b>		<b>Polyvinyl Chloride (PVC) Coated Conduit Straps (26 05 29 00-0462)</b>			
<b>26 05 29 00-0494</b>		<b>One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)</b>			
26 05 29 00-0495	EA	1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	5.17		0.58
26 05 29 00-0496	EA	3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	5.60		0.58
26 05 29 00-0497	EA	1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	8.13		0.58
26 05 29 00-0498	EA	1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	9.84		0.58
26 05 29 00-0499	EA	1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	12.88		0.58
26 05 29 00-0500	EA	2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	19.24		0.58
26 05 29 00-0501	EA	2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	25.56		0.58
26 05 29 00-0502	EA	3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	34.17		0.58
26 05 29 00-0503	EA	3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	60.31		0.58
26 05 29 00-0504	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	64.08		0.58
<b>26 05 29 00-0505</b>		<b>Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)</b>			
26 05 29 00-0506	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	10.21		1.15
26 05 29 00-0507	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	10.25		1.15
26 05 29 00-0508	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	10.51		1.15
26 05 29 00-0509	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	13.11		1.15
26 05 29 00-0510	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	13.47		1.15
26 05 29 00-0511	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	15.39		1.15
26 05 29 00-0512	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	17.25		1.15
26 05 29 00-0513	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	18.02		1.15
26 05 29 00-0514	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	19.22		1.15
26 05 29 00-0515	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	20.81		1.15
<b>26 05 29 00-0516</b>		<b>Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0462)</b>			
<b>26 05 29 00-0517</b>		<b>Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0516)</b>			
26 05 29 00-0518	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	9.30		1.15
26 05 29 00-0519	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	10.75		1.15
26 05 29 00-0520	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	13.41		1.15
26 05 29 00-0521	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	15.62		1.15
26 05 29 00-0522	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	20.77		1.15
26 05 29 00-0523	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	44.13		1.15
26 05 29 00-0524	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	50.39		1.15
26 05 29 00-0525	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	68.66		1.15
26 05 29 00-0526	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	119.87		1.15
26 05 29 00-0527	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	119.87		1.15
<b>26 05 29 00-0528</b>		<b>Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories (26 05 29 00-0462)</b>			
<b>26 05 29 00-0529</b>		<b>Polyvinyl Chloride (PVC) Coated Threaded Rod (26 05 29 00-0528)</b>			
26 05 29 00-0530	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod .....	6.39		0.77
26 05 29 00-0531	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod .....	7.84		0.86
<b>26 05 29 00-0532</b>		<b>Attachments (26 05 29 00-0462)</b>			

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 05 29 00-0533</b>	<b>Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts</b> <small>(26 05 29 00-0532)</small>		
26 05 29 00-0534	EA 1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	14.03	5.79
26 05 29 00-0535	EA 3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	14.53	6.08
26 05 29 00-0536	EA 1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	15.32	6.46
26 05 29 00-0537	EA 1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	16.28	6.85
26 05 29 00-0538	EA 1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	17.34	7.24
26 05 29 00-0539	EA 2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	19.33	7.72
26 05 29 00-0540	EA 2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	26.86	8.30
26 05 29 00-0541	EA 3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	28.26	8.87
26 05 29 00-0542	EA 4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	30.18	9.65
26 05 29 00-0543	EA 5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	47.49	10.99
26 05 29 00-0544	EA 6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	58.53	12.73

<b>26 05 29 00-0545</b>	<b>Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps</b> <small>(26 05 29 00-0532)</small>		
26 05 29 00-0546	EA 1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	48.33	19.06
26 05 29 00-0547	EA 5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	55.38	19.06
26 05 29 00-0548	EA 3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	58.28	19.06
26 05 29 00-0549	EA 1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	64.00	20.22
26 05 29 00-0550	EA 1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	74.74	23.10

<b>26 05 29 00-0551</b>	<b>Polyvinyl Chloride (PVC) Coated Pipe Straps</b> <small>(26 05 29 00-0532)</small>		
Note: Includes stainless steel nuts and bolts.			
26 05 29 00-0552	EA 1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	19.05	6.36
26 05 29 00-0553	EA 3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	20.03	6.93
26 05 29 00-0554	EA 1" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	21.82	7.51
26 05 29 00-0555	EA 1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	24.56	8.66
26 05 29 00-0556	EA 1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	28.11	9.82
26 05 29 00-0557	EA 2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	31.26	10.40
26 05 29 00-0558	EA 2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	34.54	11.55
26 05 29 00-0559	EA 3" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	41.09	12.71
26 05 29 00-0560	EA 3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	44.93	13.29
26 05 29 00-0561	EA 4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	47.21	14.44
26 05 29 00-0562	EA 5" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	50.44	16.17

<b>26 05 29 00-0563</b>	<b>Polyvinyl Chloride (PVC) Coated Channel</b> <small>(26 05 29 00-0462)</small>		
26 05 29 00-0564	LF A12, Polyvinyl Chloride (PVC) Coated Channel.....	19.76	2.89
26 05 29 00-0565	LF A12A, Polyvinyl Chloride (PVC) Coated Channel.....	34.99	4.04
26 05 29 00-0566	LF A12P, Polyvinyl Chloride (PVC) Coated Channel.....	21.09	2.89
26 05 29 00-0567	LF C14, Polyvinyl Chloride (PVC) Coated Channel.....	15.64	2.89
26 05 29 00-0568	LF C14P, Polyvinyl Chloride (PVC) Coated Channel.....	16.47	2.89

<b>26 05 29 00-0569</b>	<b>Right-Angle Wall Brackets</b> <small>(26 05 29)</small>		
26 05 29 00-0570	EA Right Angle Wall Mount (Oberon 1029-00).....	296.96	96.46

<b>26 05 29 00-0571</b>	<b>Polymer Concrete Pads</b> <small>(26 05 29)</small>		
Note: Excludes excavation and backfill.			

<b>26 05 29 00-0572</b>	<b>Polymer Concrete, Box Pads</b> <small>(26 05 29 00-0571)</small>		
26 05 29 00-0573	EA 24" x 36", 18" Depth, Polymer Concrete, Box Pad.....	993.24	110.07
26 05 29 00-0574	EA 25" x 25", 24" Depth, Polymer Concrete, Box Pad.....	1,025.19	110.07
26 05 29 00-0575	EA 40" x 44", 15" Depth, Polymer Concrete, Box Pad.....	1,318.75	110.07
26 05 29 00-0576	EA 40" x 44", 24" Depth, Polymer Concrete, Box Pad.....	1,367.42	110.07
26 05 29 00-0577	EA 52" x 36", 18" Depth, Polymer Concrete, Box Pad.....	1,273.44	110.07
26 05 29 00-0578	EA 44" x 44", 32" Depth, Polymer Concrete, Box Pad.....	1,503.30	110.07
26 05 29 00-0579	EA 40" x 58", 24" Depth, Polymer Concrete, Box Pad.....	1,679.55	110.07
26 05 29 00-0580	EA 52" x 50", 18" Depth, Polymer Concrete, Box Pad.....	1,619.32	137.58
26 05 29 00-0581	EA 74" x 76", 36" Depth, Polymer Concrete, Box Pad.....	2,442.83	137.58
26 05 29 00-0582	EA 93" x 93", 36" Depth, Polymer Concrete, Box Pad.....	3,270.41	137.58

<b>26 05 29 00-0583</b>	<b>Polymer Concrete, Telecommunications Equipment Pads</b> <small>(26 05 29 00-0571)</small>		
26 05 29 00-0584	EA 42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	474.42	56.51
26 05 29 00-0585	EA 48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	561.69	56.51
26 05 29 00-0586	EA 60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	737.21	82.55
26 05 29 00-0587	EA 54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	769.64	82.55
26 05 29 00-0588	EA 57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,099.82	82.55
26 05 29 00-0589	EA 72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,145.71	82.55
26 05 29 00-0590	EA 64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,231.22	82.55
26 05 29 00-0591	EA 72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,231.22	82.55
26 05 29 00-0592	EA 76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	2,305.45	82.55
26 05 29 00-0593	EA 96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	2,611.96	82.55

<b>26 05 29 00-0594</b>	<b>Polymer Concrete, Electrical Equipment Pads</b> <small>(26 05 29 00-0571)</small>		
26 05 29 00-0595	EA 24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	289.59	56.51
26 05 29 00-0596	EA 24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	312.02	56.51
26 05 29 00-0597	EA 24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	332.46	56.51
26 05 29 00-0598	EA 24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	400.35	56.51
26 05 29 00-0599	EA 40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	370.05	56.51

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 29 00-0600	EA	42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	384.33	56.51
26 05 29 00-0601	EA	48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	421.33	56.51
26 05 29 00-0602	EA	48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	442.92	56.51
26 05 29 00-0603	EA	54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	515.02	56.51
26 05 29 00-0604	EA	56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	633.77	56.51
26 05 29 00-0605	EA	64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	940.75	82.55
26 05 29 00-0606	EA	66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	984.16	82.55
26 05 29 00-0607	EA	75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	997.85	82.55
26 05 29 00-0608	EA	90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	1,089.10	82.55
26 05 29 00-0609	EA	84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	2,309.57	82.55
26 05 29 00-0610	EA	96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	2,718.36	82.55

**26 05 33 Raceway and Boxes for Electrical Systems** (26 05)**26 05 33 13 Conduit for Electrical Systems** (26 05 33)**26 05 33 13-0001 Conduit Assemblies** (26 05 33 13)

Note: Includes conduit, fittings and wire. Excludes hangers or supports.

**26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies** (26 05 33 13-0001)

Note: Includes conduit, field bends, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0260 for larger copper conductor, 26 05 33 13-0598 for larger EMT conduit.

26 05 33 13-0003	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	752.71	214.91
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	184.23	
		<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	2.10	
26 05 33 13-0004	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	826.52	233.37
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	200.06	
		<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	3.16	
26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	900.32	251.84
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	215.89	
		<i>For 4 #12 THWN Conductor Instead Of THHN, Add</i>	4.21	
26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	800.24	224.14
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	192.15	
		<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	3.15	
26 05 33 13-0007	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	893.41	245.69
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	210.62	
		<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	4.73	
26 05 33 13-0008	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor.....	910.40	242.61
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	207.98	
		<i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	5.50	
26 05 33 13-0009	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	840.96	231.70
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	198.59	
		<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	2.10	
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	914.76	250.17
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	214.41	
		<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	3.16	
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	988.56	268.63
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	230.24	
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,062.36	287.10
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	246.07	
		<i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	5.26	
26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	888.48	240.93
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	206.50	
		<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	3.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0014	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....981.65 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 224.96 <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i> 4.73	981.65	262.48
26 05 33 13-0015	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....1,074.82 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 243.43 <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i> 6.31	1,074.82	284.02
26 05 33 13-0016	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....1,167.98 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 261.89 <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i> 7.89	1,167.98	305.56
26 05 33 13-0017	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor.....1,132.80 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 246.07 <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i> 8.25	1,132.80	287.10
26 05 33 13-0018	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor.....1,266.97 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 269.81 <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i> 11.01	1,266.97	314.80
26 05 33 13-0019	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor.....1,146.72 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 238.16 <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i> 9.10	1,146.72	277.87
26 05 33 13-0020	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor.....1,334.42 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 267.17 <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i> 13.65	1,334.42	311.72
26 05 33 13-0021	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....967.28 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 213.78 <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i> 2.10	967.28	249.38
26 05 33 13-0022	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....1,041.08 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 229.61 <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i> 3.16	1,041.08	267.84
26 05 33 13-0023	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....1,114.89 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 245.44	1,114.89	286.31
26 05 33 13-0024	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....1,188.69 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 261.26 <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i> 5.26	1,188.69	304.77
26 05 33 13-0025	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....1,014.79 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 221.69 <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i> 3.15	1,014.79	258.61
26 05 33 13-0026	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....1,107.97 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 240.16 <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i> 4.73	1,107.97	280.15
26 05 33 13-0027	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....1,201.13 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 258.62 <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i> 6.31	1,201.13	301.69
26 05 33 13-0028	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....1,294.30 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 277.09 <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i> 7.89	1,294.30	323.23

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0029	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor.....	1,259.13	304.77
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	261.26	
			<i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	8.25	
26 05 33 13-0030	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor.....	1,460.74	329.39
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	282.37	
			<i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	13.65	
26 05 33 13-0031	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor.....	1,648.44	363.24
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	311.38	
			<i>For 4 #6 THWN Conductor Instead Of THHN, Add</i>	18.20	
<b>26 05 33 13-0032</b>			<b>Rigid Galvanized Steel (RGS) Conduit Assemblies</b> <small>(26 05 33 13-0001)</small>		
			Note: Includes conduit, field bends, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0260 for larger copper conductor, 26 05 33 13-0059 for larger RGS conduit.		
26 05 33 13-0033	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,009.55	244.62
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	209.66	
			<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	2.10	
26 05 33 13-0034	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,083.35	263.09
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	225.49	
			<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	3.16	
26 05 33 13-0035	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,057.07	253.86
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	217.58	
			<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	3.15	
26 05 33 13-0036	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,150.24	275.40
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	236.05	
			<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	4.73	
26 05 33 13-0037	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor.....	1,167.22	272.32
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	233.41	
			<i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	5.50	
26 05 33 13-0038	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,113.94	260.89
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	223.59	
			<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	2.10	
26 05 33 13-0039	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,187.74	279.36
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	239.42	
			<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	3.16	
26 05 33 13-0040	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,261.55	297.82
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	255.25	
26 05 33 13-0041	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,161.47	270.12
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	231.51	
			<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	3.15	
26 05 33 13-0042	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,254.63	291.67
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	249.97	
			<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	4.73	
26 05 33 13-0043	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,347.80	313.21
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	268.44	
			<i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	6.31	
26 05 33 13-0044	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor.....	1,405.78	316.29
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	271.07	
			<i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	8.25	
26 05 33 13-0045	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor.....	1,539.95	343.99
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	294.82	
			<i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	11.01	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0046 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor.....	1,419.71	307.06
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	263.16	
For 2 #6 THWN Conductor Instead Of THHN, Add	9.10	
26 05 33 13-0047 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor.....	1,607.41	340.91
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	292.18	
For 3 #6 THWN Conductor Instead Of THHN, Add	13.65	
26 05 33 13-0048 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,446.96	311.55
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	267.04	
For 3 #12 THWN Conductor Instead Of THHN, Add	3.16	
26 05 33 13-0049 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,520.76	330.01
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	282.87	
26 05 33 13-0050 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,594.56	348.47
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	298.69	
For 5 #12 THWN Conductor Instead Of THHN, Add	5.26	
26 05 33 13-0051 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,513.84	323.86
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	277.59	
For 3 #10 THWN Conductor Instead Of THHN, Add	4.73	
26 05 33 13-0052 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,607.02	345.39
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	296.06	
For 4 #10 THWN Conductor Instead Of THHN, Add	6.31	
26 05 33 13-0053 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,700.18	366.93
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	314.52	
For 5 #10 THWN Conductor Instead Of THHN, Add	7.89	
26 05 33 13-0054 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor.....	1,664.99	348.47
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	298.69	
For 3 #8 THWN Conductor Instead Of THHN, Add	8.25	
26 05 33 13-0055 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor.....	1,866.63	373.09
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	319.80	
For 3 #6 THWN Conductor Instead Of THHN, Add	13.65	
26 05 33 13-0056 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor.....	2,054.33	406.95
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	348.82	
For 4 #6 THWN Conductor Instead Of THHN, Add	18.20	
26 05 33 13-0057 Conduit <small>(26 05 33 13)</small>		
Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0058 Conduit Installed Above Grade <small>(26 05 33 13-0057)</small>		
26 05 33 13-0059 Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit <small>(26 05 33 13-0058)</small>		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0060 Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling <small>(26 05 33 13-0059)</small>		
Note: Includes field bending for conduit up to 1".		
26 05 33 13-0061 LF 1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	7.23	1.94
For Work In Restricted Working Space, Add	1.45	
For >500 To 1,000, Deduct	-0.42	
For >250 To 500, Deduct	-0.12	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.73	
For >1,000, Deduct	-0.60	
For Elevated Installation >10' To 15', Add	0.48	
For Elevated Installation >15' To 20', Add	0.97	
For Elevated Installation >20' To 25', Add	1.21	
For Elevated Installation >25' To 30', Add	1.69	
For Elevated Installation >30' To 35', Add	1.94	
For Elevated Installation >35' To 40', Add	2.42	
For Elevated Installation >40', Add	2.66	
For Installation In Metal Stud Wall, Add	0.48	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.21	

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MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0062	LF 3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	8.22	2.11
	For Work In Restricted Working Space, Add	1.58	
	For >500 To 1,000, Deduct	-0.48	
	For >250 To 500, Deduct	-0.15	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.79	
	For >1,000, Deduct	-0.69	
	For Elevated Installation >10' To 15', Add	0.53	
	For Elevated Installation >15' To 20', Add	1.06	
	For Elevated Installation >20' To 25', Add	1.32	
	For Elevated Installation >25' To 30', Add	1.85	
	For Elevated Installation >30' To 35', Add	2.11	
	For Elevated Installation >35' To 40', Add	2.64	
	For Elevated Installation >40', Add	2.90	
	For Installation In Metal Stud Wall, Add	0.53	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.32	
26 05 33 13-0063	LF 1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	10.71	2.46
	For Work In Restricted Working Space, Add	1.85	
	For >500 To 1,000, Deduct	-0.65	
	For >250 To 500, Deduct	-0.23	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.92	
	For >1,000, Deduct	-0.92	
	For Elevated Installation >10' To 15', Add	0.62	
	For Elevated Installation >15' To 20', Add	1.23	
	For Elevated Installation >20' To 25', Add	1.54	
	For Elevated Installation >25' To 30', Add	2.16	
	For Elevated Installation >30' To 35', Add	2.46	
	For Elevated Installation >35' To 40', Add	3.08	
	For Elevated Installation >40', Add	3.39	
	For Installation In Metal Stud Wall, Add	0.62	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.54	
26 05 33 13-0064	LF 1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	13.10	2.81
	For Work In Restricted Working Space, Add	2.11	
	For >500 To 1,000, Deduct	-0.81	
	For >250 To 500, Deduct	-0.30	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.05	
	For >1,000, Deduct	-1.13	
	For Elevated Installation >10' To 15', Add	0.70	
	For Elevated Installation >15' To 20', Add	1.41	
	For Elevated Installation >20' To 25', Add	1.76	
	For Elevated Installation >25' To 30', Add	2.46	
	For Elevated Installation >30' To 35', Add	2.81	
	For Elevated Installation >35' To 40', Add	3.52	
	For Elevated Installation >40', Add	3.87	
	For Installation In Metal Stud Wall, Add	0.70	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.76	
26 05 33 13-0065	LF 1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	15.36	3.17
	For Work In Restricted Working Space, Add	2.38	
	For >500 To 1,000, Deduct	-0.95	
	For >250 To 500, Deduct	-0.37	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.19	
	For >1,000, Deduct	-1.34	
	For Elevated Installation >10' To 15', Add	0.79	
	For Elevated Installation >15' To 20', Add	1.58	
	For Elevated Installation >20' To 25', Add	1.98	
	For Elevated Installation >25' To 30', Add	2.77	
	For Elevated Installation >30' To 35', Add	3.17	
	For Elevated Installation >35' To 40', Add	3.96	
	For Elevated Installation >40', Add	4.36	
	For Installation In Metal Stud Wall, Add	0.79	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.98	
26 05 33 13-0066	LF 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	19.61	3.87
	For Work In Restricted Working Space, Add	2.90	
	For >500 To 1,000, Deduct	-1.23	
	For >250 To 500, Deduct	-0.50	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.45	
	For >1,000, Deduct	-1.72	
	For Elevated Installation >10' To 15', Add	0.97	
	For Elevated Installation >15' To 20', Add	1.93	
	For Elevated Installation >20' To 25', Add	2.42	
	For Elevated Installation >25' To 30', Add	3.38	
	For Elevated Installation >30' To 35', Add	3.87	
	For Elevated Installation >35' To 40', Add	4.84	
	For Elevated Installation >40', Add	5.32	
	For Installation In Metal Stud Wall, Add	0.97	
	For Installation In Wood Stud Wall (Includes Drilling), Add	2.42	
26 05 33 13-0067	LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	29.67	5.28
	For Work In Restricted Working Space, Add	3.96	
	For >500 To 1,000, Deduct	-1.90	
	For >250 To 500, Deduct	-0.82	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.98	
	For >1,000, Deduct	-2.64	
	For Elevated Installation >10' To 15', Add	1.32	
	For Elevated Installation >15' To 20', Add	2.64	
	For Elevated Installation >20' To 25', Add	3.30	
	For Elevated Installation >25' To 30', Add	4.62	
	For Elevated Installation >30' To 35', Add	5.28	
	For Elevated Installation >35' To 40', Add	6.60	
	For Elevated Installation >40', Add	7.25	
	For Installation In Metal Stud Wall, Add	1.32	
	For Installation In Wood Stud Wall (Includes Drilling), Add	3.30	



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0068	LF	3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	38.56	7.03
		<i>For Work In Restricted Working Space, Add</i>	5.28	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.45	
		<i>For &gt;250 To 500, Deduct</i>	-1.05	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.64	
		<i>For &gt;1,000, Deduct</i>	-3.42	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.76	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.52	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.40	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.16	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.04	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.80	
		<i>For Elevated Installation &gt;40', Add</i>	9.67	
		<i>For Installation In Metal Stud Wall, Add</i>	1.76	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4.40	
26 05 33 13-0069	LF	3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	47.57	8.79
		<i>For Work In Restricted Working Space, Add</i>	6.59	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.02	
		<i>For &gt;250 To 500, Deduct</i>	-1.28	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	3.30	
		<i>For &gt;1,000, Deduct</i>	-4.21	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.20	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.40	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.50	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	7.69	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	8.79	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	10.99	
		<i>For Elevated Installation &gt;40', Add</i>	12.09	
		<i>For Installation In Metal Stud Wall, Add</i>	2.20	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	5.50	
26 05 33 13-0070	LF	4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	56.15	10.55
		<i>For Work In Restricted Working Space, Add</i>	7.91	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.55	
		<i>For &gt;250 To 500, Deduct</i>	-1.49	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	3.96	
		<i>For &gt;1,000, Deduct</i>	-4.96	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.64	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.28	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.60	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.23	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.55	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	13.19	
		<i>For Elevated Installation &gt;40', Add</i>	14.51	
		<i>For Installation In Metal Stud Wall, Add</i>	2.64	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	6.60	
26 05 33 13-0071	LF	5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	93.77	13.36
		<i>For Work In Restricted Working Space, Add</i>	10.03	
		<i>For &gt;500 To 1,000, Deduct</i>	-6.20	
		<i>For &gt;250 To 500, Deduct</i>	-3.02	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	5.01	
		<i>For &gt;1,000, Deduct</i>	-8.54	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.34	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.68	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.36	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	11.70	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	13.37	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	16.71	
		<i>For Elevated Installation &gt;40', Add</i>	18.38	
		<i>For Installation In Metal Stud Wall, Add</i>	3.34	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	8.36	
26 05 33 13-0072	LF	6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	127.04	16.88
		<i>For Work In Restricted Working Space, Add</i>	12.66	
		<i>For &gt;500 To 1,000, Deduct</i>	-8.47	
		<i>For &gt;250 To 500, Deduct</i>	-4.24	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	6.33	
		<i>For &gt;1,000, Deduct</i>	-11.65	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.22	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.44	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.55	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	14.77	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	16.88	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	21.11	
		<i>For Elevated Installation &gt;40', Add</i>	23.22	
		<i>For Installation In Metal Stud Wall, Add</i>	4.22	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	10.55	
26 05 33 13-0073		<b>Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
		See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0074	EA	1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	25.16	8.71
		<i>For Work In Restricted Working Space, Add</i>	6.55	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.18	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.37	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.46	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	7.64	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	8.73	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	10.92	
		<i>For Elevated Installation &gt;40', Add</i>	12.01	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0075	EA	3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	31.54	10.81
			For Work In Restricted Working Space, Add	8.15	
			For Elevated Installation >10' To 15', Add	2.72	
			For Elevated Installation >15' To 20', Add	5.43	
			For Elevated Installation >20' To 25', Add	6.79	
			For Elevated Installation >25' To 30', Add	9.50	
			For Elevated Installation >30' To 35', Add	10.86	
			For Elevated Installation >35' To 40', Add	13.58	
			For Elevated Installation >40', Add	14.93	
26 05 33	13-0076	EA	1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	39.87	13.28
			For Work In Restricted Working Space, Add	9.93	
			For Elevated Installation >10' To 15', Add	3.31	
			For Elevated Installation >15' To 20', Add	6.62	
			For Elevated Installation >20' To 25', Add	8.28	
			For Elevated Installation >25' To 30', Add	11.59	
			For Elevated Installation >30' To 35', Add	13.24	
			For Elevated Installation >35' To 40', Add	16.56	
			For Elevated Installation >40', Add	18.21	
26 05 33	13-0077	EA	1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	50.00	15.39
			For Work In Restricted Working Space, Add	11.53	
			For Elevated Installation >10' To 15', Add	3.84	
			For Elevated Installation >15' To 20', Add	7.69	
			For Elevated Installation >20' To 25', Add	9.61	
			For Elevated Installation >25' To 30', Add	13.45	
			For Elevated Installation >30' To 35', Add	15.38	
			For Elevated Installation >35' To 40', Add	19.22	
			For Elevated Installation >40', Add	21.14	
26 05 33	13-0078	EA	1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	57.91	17.68
			For Work In Restricted Working Space, Add	13.24	
			For Elevated Installation >10' To 15', Add	4.41	
			For Elevated Installation >15' To 20', Add	8.82	
			For Elevated Installation >20' To 25', Add	11.03	
			For Elevated Installation >25' To 30', Add	15.44	
			For Elevated Installation >30' To 35', Add	17.65	
			For Elevated Installation >35' To 40', Add	22.06	
			For Elevated Installation >40', Add	24.27	
26 05 33	13-0079	EA	2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	67.48	19.43
			For Work In Restricted Working Space, Add	14.56	
			For Elevated Installation >10' To 15', Add	4.85	
			For Elevated Installation >15' To 20', Add	9.71	
			For Elevated Installation >20' To 25', Add	12.13	
			For Elevated Installation >25' To 30', Add	16.99	
			For Elevated Installation >30' To 35', Add	19.41	
			For Elevated Installation >35' To 40', Add	24.27	
			For Elevated Installation >40', Add	26.69	
26 05 33	13-0080	EA	2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	94.44	24.27
			For Work In Restricted Working Space, Add	18.20	
			For Elevated Installation >10' To 15', Add	6.07	
			For Elevated Installation >15' To 20', Add	12.13	
			For Elevated Installation >20' To 25', Add	15.17	
			For Elevated Installation >25' To 30', Add	21.23	
			For Elevated Installation >30' To 35', Add	24.27	
			For Elevated Installation >35' To 40', Add	30.34	
			For Elevated Installation >40', Add	33.37	
26 05 33	13-0081	EA	3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	132.92	33.07
			For Work In Restricted Working Space, Add	24.79	
			For Elevated Installation >10' To 15', Add	8.26	
			For Elevated Installation >15' To 20', Add	16.53	
			For Elevated Installation >20' To 25', Add	20.66	
			For Elevated Installation >25' To 30', Add	28.92	
			For Elevated Installation >30' To 35', Add	33.06	
			For Elevated Installation >35' To 40', Add	41.32	
			For Elevated Installation >40', Add	45.45	
26 05 33	13-0082	EA	3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	171.82	37.28
			For Work In Restricted Working Space, Add	27.97	
			For Elevated Installation >10' To 15', Add	9.32	
			For Elevated Installation >15' To 20', Add	18.64	
			For Elevated Installation >20' To 25', Add	23.31	
			For Elevated Installation >25' To 30', Add	32.63	
			For Elevated Installation >30' To 35', Add	37.29	
			For Elevated Installation >35' To 40', Add	46.61	
			For Elevated Installation >40', Add	51.27	
26 05 33	13-0083	EA	4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	211.90	48.54
			For Work In Restricted Working Space, Add	36.40	
			For Elevated Installation >10' To 15', Add	12.13	
			For Elevated Installation >15' To 20', Add	24.26	
			For Elevated Installation >20' To 25', Add	30.33	
			For Elevated Installation >25' To 30', Add	42.46	
			For Elevated Installation >30' To 35', Add	48.53	
			For Elevated Installation >35' To 40', Add	60.66	
			For Elevated Installation >40', Add	66.73	
26 05 33	13-0084	EA	5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	346.48	79.14
			For Work In Restricted Working Space, Add	59.36	
			For Elevated Installation >10' To 15', Add	19.79	
			For Elevated Installation >15' To 20', Add	39.57	
			For Elevated Installation >20' To 25', Add	49.46	
			For Elevated Installation >25' To 30', Add	69.25	
			For Elevated Installation >30' To 35', Add	79.14	
			For Elevated Installation >35' To 40', Add	98.93	
			For Elevated Installation >40', Add	108.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0085	EA	6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	520.84	118.88
			For Work In Restricted Working Space, Add	89.16	
			For Elevated Installation >10' To 15', Add	29.72	
			For Elevated Installation >15' To 20', Add	59.44	
			For Elevated Installation >20' To 25', Add	74.30	
			For Elevated Installation >25' To 30', Add	104.02	
			For Elevated Installation >30' To 35', Add	118.88	
			For Elevated Installation >35' To 40', Add	148.60	
			For Elevated Installation >40', Add	163.45	
26 05 33	13-0086		<b>Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow</b> <small>(26 05 33 13-0089)</small>		
			See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33	13-0087	EA	1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	25.16	8.71
			For Work In Restricted Working Space, Add	6.55	
			For Elevated Installation >10' To 15', Add	2.18	
			For Elevated Installation >15' To 20', Add	4.37	
			For Elevated Installation >20' To 25', Add	5.46	
			For Elevated Installation >25' To 30', Add	7.64	
			For Elevated Installation >30' To 35', Add	8.73	
			For Elevated Installation >35' To 40', Add	10.92	
			For Elevated Installation >40', Add	12.01	
26 05 33	13-0088	EA	3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	31.54	10.81
			For Work In Restricted Working Space, Add	8.15	
			For Elevated Installation >10' To 15', Add	2.72	
			For Elevated Installation >15' To 20', Add	5.43	
			For Elevated Installation >20' To 25', Add	6.79	
			For Elevated Installation >25' To 30', Add	9.50	
			For Elevated Installation >30' To 35', Add	10.86	
			For Elevated Installation >35' To 40', Add	13.58	
			For Elevated Installation >40', Add	14.93	
26 05 33	13-0089	EA	1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	39.87	13.28
			For Work In Restricted Working Space, Add	9.93	
			For Elevated Installation >10' To 15', Add	3.31	
			For Elevated Installation >15' To 20', Add	6.62	
			For Elevated Installation >20' To 25', Add	8.28	
			For Elevated Installation >25' To 30', Add	11.59	
			For Elevated Installation >30' To 35', Add	13.24	
			For Elevated Installation >35' To 40', Add	16.56	
			For Elevated Installation >40', Add	18.21	
26 05 33	13-0090	EA	1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	50.00	15.39
			For Work In Restricted Working Space, Add	11.53	
			For Elevated Installation >10' To 15', Add	3.84	
			For Elevated Installation >15' To 20', Add	7.69	
			For Elevated Installation >20' To 25', Add	9.61	
			For Elevated Installation >25' To 30', Add	13.45	
			For Elevated Installation >30' To 35', Add	15.38	
			For Elevated Installation >35' To 40', Add	19.22	
			For Elevated Installation >40', Add	21.14	
26 05 33	13-0091	EA	1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	57.91	17.68
			For Work In Restricted Working Space, Add	13.24	
			For Elevated Installation >10' To 15', Add	4.41	
			For Elevated Installation >15' To 20', Add	8.82	
			For Elevated Installation >20' To 25', Add	11.03	
			For Elevated Installation >25' To 30', Add	15.44	
			For Elevated Installation >30' To 35', Add	17.65	
			For Elevated Installation >35' To 40', Add	22.06	
			For Elevated Installation >40', Add	24.27	
26 05 33	13-0092	EA	2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	67.48	19.43
			For Work In Restricted Working Space, Add	14.56	
			For Elevated Installation >10' To 15', Add	4.85	
			For Elevated Installation >15' To 20', Add	9.71	
			For Elevated Installation >20' To 25', Add	12.13	
			For Elevated Installation >25' To 30', Add	16.99	
			For Elevated Installation >30' To 35', Add	19.41	
			For Elevated Installation >35' To 40', Add	24.27	
			For Elevated Installation >40', Add	26.69	
26 05 33	13-0093	EA	2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	93.07	24.27
			For Work In Restricted Working Space, Add	18.20	
			For Elevated Installation >10' To 15', Add	6.07	
			For Elevated Installation >15' To 20', Add	12.13	
			For Elevated Installation >20' To 25', Add	15.17	
			For Elevated Installation >25' To 30', Add	21.23	
			For Elevated Installation >30' To 35', Add	24.27	
			For Elevated Installation >35' To 40', Add	30.34	
			For Elevated Installation >40', Add	33.37	
26 05 33	13-0094	EA	3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	127.58	33.07
			For Work In Restricted Working Space, Add	24.79	
			For Elevated Installation >10' To 15', Add	8.26	
			For Elevated Installation >15' To 20', Add	16.53	
			For Elevated Installation >20' To 25', Add	20.66	
			For Elevated Installation >25' To 30', Add	28.92	
			For Elevated Installation >30' To 35', Add	33.06	
			For Elevated Installation >35' To 40', Add	41.32	
			For Elevated Installation >40', Add	45.45	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0095	EA 3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	164.31	37.28
	For Work In Restricted Working Space, Add	27.97	
	For Elevated Installation >10' To 15', Add	9.32	
	For Elevated Installation >15' To 20', Add	18.64	
	For Elevated Installation >20' To 25', Add	23.31	
	For Elevated Installation >25' To 30', Add	32.63	
	For Elevated Installation >30' To 35', Add	37.29	
	For Elevated Installation >35' To 40', Add	46.61	
	For Elevated Installation >40', Add	51.27	
26 05 33 13-0096	EA 4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	201.92	48.54
	For Work In Restricted Working Space, Add	36.40	
	For Elevated Installation >10' To 15', Add	12.13	
	For Elevated Installation >15' To 20', Add	24.26	
	For Elevated Installation >20' To 25', Add	30.33	
	For Elevated Installation >25' To 30', Add	42.46	
	For Elevated Installation >30' To 35', Add	48.53	
	For Elevated Installation >35' To 40', Add	60.66	
	For Elevated Installation >40', Add	66.73	
26 05 33 13-0097	EA 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	346.48	79.14
	For Work In Restricted Working Space, Add	59.36	
	For Elevated Installation >10' To 15', Add	19.79	
	For Elevated Installation >15' To 20', Add	39.57	
	For Elevated Installation >20' To 25', Add	49.46	
	For Elevated Installation >25' To 30', Add	69.25	
	For Elevated Installation >30' To 35', Add	79.14	
	For Elevated Installation >35' To 40', Add	98.93	
	For Elevated Installation >40', Add	108.82	
26 05 33 13-0098	EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	520.84	118.88
	For Work In Restricted Working Space, Add	89.16	
	For Elevated Installation >10' To 15', Add	29.72	
	For Elevated Installation >15' To 20', Add	59.44	
	For Elevated Installation >20' To 25', Add	74.30	
	For Elevated Installation >25' To 30', Add	104.02	
	For Elevated Installation >30' To 35', Add	118.88	
	For Elevated Installation >35' To 40', Add	148.60	
	For Elevated Installation >40', Add	163.45	
26 05 33 13-0099	<b>Rigid Galvanized Steel (RGS) 12" Large Radius Elbow</b> (26 05 33 13-0059)		
	See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0100	EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	59.54	21.72
	For Work In Restricted Working Space, Add	13.03	
	For Elevated Installation >10' To 15', Add	4.34	
	For Elevated Installation >15' To 20', Add	8.69	
	For Elevated Installation >20' To 25', Add	10.86	
	For Elevated Installation >25' To 30', Add	15.20	
	For Elevated Installation >30' To 35', Add	17.38	
	For Elevated Installation >35' To 40', Add	21.72	
	For Elevated Installation >40', Add	23.89	
26 05 33 13-0101	EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	68.67	25.15
	For Work In Restricted Working Space, Add	15.09	
	For Elevated Installation >10' To 15', Add	5.03	
	For Elevated Installation >15' To 20', Add	10.06	
	For Elevated Installation >20' To 25', Add	12.58	
	For Elevated Installation >25' To 30', Add	17.61	
	For Elevated Installation >30' To 35', Add	20.12	
	For Elevated Installation >35' To 40', Add	25.15	
	For Elevated Installation >40', Add	27.67	
26 05 33 13-0102	EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	79.16	28.58
	For Work In Restricted Working Space, Add	17.15	
	For Elevated Installation >10' To 15', Add	5.72	
	For Elevated Installation >15' To 20', Add	11.43	
	For Elevated Installation >20' To 25', Add	14.29	
	For Elevated Installation >25' To 30', Add	20.00	
	For Elevated Installation >30' To 35', Add	22.86	
	For Elevated Installation >35' To 40', Add	28.58	
	For Elevated Installation >40', Add	31.43	
26 05 33 13-0103	EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	88.80	31.44
	For Work In Restricted Working Space, Add	18.86	
	For Elevated Installation >10' To 15', Add	6.29	
	For Elevated Installation >15' To 20', Add	12.57	
	For Elevated Installation >20' To 25', Add	15.72	
	For Elevated Installation >25' To 30', Add	22.00	
	For Elevated Installation >30' To 35', Add	25.15	
	For Elevated Installation >35' To 40', Add	31.44	
	For Elevated Installation >40', Add	34.58	
26 05 33 13-0104	<b>Rigid Galvanized Steel (RGS) 15" Large Radius Elbow</b> (26 05 33 13-0059)		
	See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0105	EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	63.71	21.72
	For Work In Restricted Working Space, Add	13.03	
	For Elevated Installation >10' To 15', Add	4.34	
	For Elevated Installation >15' To 20', Add	8.69	
	For Elevated Installation >20' To 25', Add	10.86	
	For Elevated Installation >25' To 30', Add	15.20	
	For Elevated Installation >30' To 35', Add	17.38	
	For Elevated Installation >35' To 40', Add	21.72	
	For Elevated Installation >40', Add	23.89	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0106 EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....74.04	74.04	25.15
<i>For Work In Restricted Working Space, Add</i>	15.09	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.03	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.06	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.58	
<i>For Elevated Installation &gt;25' To 30', Add</i>	17.61	
<i>For Elevated Installation &gt;30' To 35', Add</i>	20.12	
<i>For Elevated Installation &gt;35' To 40', Add</i>	25.15	
<i>For Elevated Installation &gt;40', Add</i>	27.67	
26 05 33 13-0107 EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....81.61	81.61	28.58
<i>For Work In Restricted Working Space, Add</i>	17.15	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
<i>For Elevated Installation &gt;40', Add</i>	31.43	
26 05 33 13-0108 EA 2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....91.54	91.54	31.44
<i>For Work In Restricted Working Space, Add</i>	18.86	
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.57	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.72	
<i>For Elevated Installation &gt;25' To 30', Add</i>	22.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	25.15	
<i>For Elevated Installation &gt;35' To 40', Add</i>	31.44	
<i>For Elevated Installation &gt;40', Add</i>	34.58	
26 05 33 13-0109 EA 2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....120.47	120.47	39.44
<i>For Work In Restricted Working Space, Add</i>	23.66	
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
<i>For Elevated Installation &gt;40', Add</i>	43.38	
26 05 33 13-0110 EA 3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....162.47	162.47	53.72
<i>For Work In Restricted Working Space, Add</i>	32.24	
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.75	
<i>For Elevated Installation &gt;15' To 20', Add</i>	21.49	
<i>For Elevated Installation &gt;20' To 25', Add</i>	26.86	
<i>For Elevated Installation &gt;25' To 30', Add</i>	37.61	
<i>For Elevated Installation &gt;30' To 35', Add</i>	42.98	
<i>For Elevated Installation &gt;35' To 40', Add</i>	53.73	
<i>For Elevated Installation &gt;40', Add</i>	59.10	
<b>26 05 33 13-0111 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
<small>See CSI section 26 05 33 13-2224 for conduit field bending.</small>		
26 05 33 13-0112 EA 1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....63.91	63.91	21.72
<i>For Work In Restricted Working Space, Add</i>	13.03	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.34	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.69	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.86	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.20	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.38	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.72	
<i>For Elevated Installation &gt;40', Add</i>	23.89	
26 05 33 13-0113 EA 1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....73.51	73.51	25.15
<i>For Work In Restricted Working Space, Add</i>	15.09	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.03	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.06	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.58	
<i>For Elevated Installation &gt;25' To 30', Add</i>	17.61	
<i>For Elevated Installation &gt;30' To 35', Add</i>	20.12	
<i>For Elevated Installation &gt;35' To 40', Add</i>	25.15	
<i>For Elevated Installation &gt;40', Add</i>	27.67	
26 05 33 13-0114 EA 1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....84.25	84.25	28.58
<i>For Work In Restricted Working Space, Add</i>	17.15	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
<i>For Elevated Installation &gt;40', Add</i>	31.43	
26 05 33 13-0115 EA 2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....97.45	97.45	31.44
<i>For Work In Restricted Working Space, Add</i>	18.86	
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.57	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.72	
<i>For Elevated Installation &gt;25' To 30', Add</i>	22.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	25.15	
<i>For Elevated Installation &gt;35' To 40', Add</i>	31.44	
<i>For Elevated Installation &gt;40', Add</i>	34.58	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0116	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	125.98	39.44
			<i>For Work In Restricted Working Space, Add</i>	23.66	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
			<i>For Elevated Installation &gt;40', Add</i>	43.38	
26 05 33	13-0117	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	166.91	53.72
			<i>For Work In Restricted Working Space, Add</i>	32.24	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.75	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.49	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	37.61	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	53.73	
			<i>For Elevated Installation &gt;40', Add</i>	59.10	
26 05 33	13-0118	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	205.22	60.58
			<i>For Work In Restricted Working Space, Add</i>	36.35	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	12.12	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	24.23	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	30.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	42.41	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	48.47	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	60.59	
			<i>For Elevated Installation &gt;40', Add</i>	66.64	
26 05 33	13-0119	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	251.67	78.87
			<i>For Work In Restricted Working Space, Add</i>	47.33	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.78	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	31.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	39.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	55.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	63.10	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	78.88	
			<i>For Elevated Installation &gt;40', Add</i>	86.76	
26 05 33	13-0120		<b>Rigid Galvanized Steel (RGS) 24" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
			See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33	13-0121	EA	1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	70.56	21.72
			<i>For Work In Restricted Working Space, Add</i>	13.03	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.34	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.72	
			<i>For Elevated Installation &gt;40', Add</i>	23.89	
26 05 33	13-0122	EA	1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	80.04	25.15
			<i>For Work In Restricted Working Space, Add</i>	15.09	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.03	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.06	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.61	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	25.15	
			<i>For Elevated Installation &gt;40', Add</i>	27.67	
26 05 33	13-0123	EA	1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	89.14	28.58
			<i>For Work In Restricted Working Space, Add</i>	17.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
			<i>For Elevated Installation &gt;40', Add</i>	31.43	
26 05 33	13-0124	EA	2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	104.66	31.44
			<i>For Work In Restricted Working Space, Add</i>	18.86	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.57	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.44	
			<i>For Elevated Installation &gt;40', Add</i>	34.58	
26 05 33	13-0125	EA	2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	135.82	39.44
			<i>For Work In Restricted Working Space, Add</i>	23.66	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
			<i>For Elevated Installation &gt;40', Add</i>	43.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0126	EA	3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	182.33	53.72
			<i>For Work In Restricted Working Space, Add</i>	32.24	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.75	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.49	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	37.61	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	53.73	
			<i>For Elevated Installation &gt;40', Add</i>	59.10	
26 05 33	13-0127	EA	3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	220.21	60.58
			<i>For Work In Restricted Working Space, Add</i>	36.35	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	12.12	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	24.23	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	30.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	42.41	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	48.47	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	60.59	
			<i>For Elevated Installation &gt;40', Add</i>	66.64	
26 05 33	13-0128	EA	4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	263.62	78.87
			<i>For Work In Restricted Working Space, Add</i>	47.33	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.78	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	31.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	39.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	55.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	63.10	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	78.88	
			<i>For Elevated Installation &gt;40', Add</i>	86.76	
<b>26 05 33 13-0129 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>					
<i>See CSI section 26 05 33 13-2224 for conduit field bending.</i>					
26 05 33	13-0130	EA	1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	70.16	21.72
			<i>For Work In Restricted Working Space, Add</i>	13.03	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.34	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.72	
			<i>For Elevated Installation &gt;40', Add</i>	23.89	
26 05 33	13-0131	EA	1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	84.90	25.15
			<i>For Work In Restricted Working Space, Add</i>	15.09	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.03	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.06	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.61	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	25.15	
			<i>For Elevated Installation &gt;40', Add</i>	27.67	
26 05 33	13-0132	EA	1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	94.40	28.58
			<i>For Work In Restricted Working Space, Add</i>	17.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
			<i>For Elevated Installation &gt;40', Add</i>	31.43	
26 05 33	13-0133	EA	2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	111.53	31.44
			<i>For Work In Restricted Working Space, Add</i>	18.86	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.57	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.44	
			<i>For Elevated Installation &gt;40', Add</i>	34.58	
26 05 33	13-0134	EA	2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	145.25	39.44
			<i>For Work In Restricted Working Space, Add</i>	23.66	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
			<i>For Elevated Installation &gt;40', Add</i>	43.38	
26 05 33	13-0135	EA	3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	194.50	53.72
			<i>For Work In Restricted Working Space, Add</i>	32.24	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.75	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.49	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	37.61	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	53.73	
			<i>For Elevated Installation &gt;40', Add</i>	59.10	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0136	EA 3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	235.03	60.58
	For Work In Restricted Working Space, Add	36.35	
	For Elevated Installation >10' To 15', Add	12.12	
	For Elevated Installation >15' To 20', Add	24.23	
	For Elevated Installation >20' To 25', Add	30.29	
	For Elevated Installation >25' To 30', Add	42.41	
	For Elevated Installation >30' To 35', Add	48.47	
	For Elevated Installation >35' To 40', Add	60.59	
	For Elevated Installation >40', Add	66.64	
26 05 33 13-0137	EA 4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	285.54	78.87
	For Work In Restricted Working Space, Add	47.33	
	For Elevated Installation >10' To 15', Add	15.78	
	For Elevated Installation >15' To 20', Add	31.55	
	For Elevated Installation >20' To 25', Add	39.44	
	For Elevated Installation >25' To 30', Add	55.21	
	For Elevated Installation >30' To 35', Add	63.10	
	For Elevated Installation >35' To 40', Add	78.88	
	For Elevated Installation >40', Add	86.76	
26 05 33 13-0138	EA 5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	421.35	128.60
	For Work In Restricted Working Space, Add	77.16	
	For Elevated Installation >10' To 15', Add	25.72	
	For Elevated Installation >15' To 20', Add	51.44	
	For Elevated Installation >20' To 25', Add	64.30	
	For Elevated Installation >25' To 30', Add	90.02	
	For Elevated Installation >30' To 35', Add	102.88	
	For Elevated Installation >35' To 40', Add	128.60	
	For Elevated Installation >40', Add	141.46	
26 05 33 13-0139	<b>Rigid Galvanized Steel (RGS) 36" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
	See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0140	EA 1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	73.72	21.72
	For Work In Restricted Working Space, Add	13.03	
	For Elevated Installation >10' To 15', Add	4.34	
	For Elevated Installation >15' To 20', Add	8.69	
	For Elevated Installation >20' To 25', Add	10.86	
	For Elevated Installation >25' To 30', Add	15.20	
	For Elevated Installation >30' To 35', Add	17.38	
	For Elevated Installation >35' To 40', Add	21.72	
	For Elevated Installation >40', Add	23.89	
26 05 33 13-0141	EA 1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	87.29	25.15
	For Work In Restricted Working Space, Add	15.09	
	For Elevated Installation >10' To 15', Add	5.03	
	For Elevated Installation >15' To 20', Add	10.06	
	For Elevated Installation >20' To 25', Add	12.58	
	For Elevated Installation >25' To 30', Add	17.61	
	For Elevated Installation >30' To 35', Add	20.12	
	For Elevated Installation >35' To 40', Add	25.15	
	For Elevated Installation >40', Add	27.67	
26 05 33 13-0142	EA 1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	103.61	28.58
	For Work In Restricted Working Space, Add	17.15	
	For Elevated Installation >10' To 15', Add	5.72	
	For Elevated Installation >15' To 20', Add	11.43	
	For Elevated Installation >20' To 25', Add	14.29	
	For Elevated Installation >25' To 30', Add	20.00	
	For Elevated Installation >30' To 35', Add	22.86	
	For Elevated Installation >35' To 40', Add	28.58	
	For Elevated Installation >40', Add	31.43	
26 05 33 13-0143	EA 2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	116.90	31.44
	For Work In Restricted Working Space, Add	18.86	
	For Elevated Installation >10' To 15', Add	6.29	
	For Elevated Installation >15' To 20', Add	12.57	
	For Elevated Installation >20' To 25', Add	15.72	
	For Elevated Installation >25' To 30', Add	22.00	
	For Elevated Installation >30' To 35', Add	25.15	
	For Elevated Installation >35' To 40', Add	31.44	
	For Elevated Installation >40', Add	34.58	
26 05 33 13-0144	EA 2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	156.44	39.44
	For Work In Restricted Working Space, Add	23.66	
	For Elevated Installation >10' To 15', Add	7.89	
	For Elevated Installation >15' To 20', Add	15.77	
	For Elevated Installation >20' To 25', Add	19.72	
	For Elevated Installation >25' To 30', Add	27.60	
	For Elevated Installation >30' To 35', Add	31.55	
	For Elevated Installation >35' To 40', Add	39.44	
	For Elevated Installation >40', Add	43.38	
26 05 33 13-0145	EA 3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	204.91	53.72
	For Work In Restricted Working Space, Add	32.24	
	For Elevated Installation >10' To 15', Add	10.75	
	For Elevated Installation >15' To 20', Add	21.49	
	For Elevated Installation >20' To 25', Add	26.86	
	For Elevated Installation >25' To 30', Add	37.61	
	For Elevated Installation >30' To 35', Add	42.98	
	For Elevated Installation >35' To 40', Add	53.73	
	For Elevated Installation >40', Add	59.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0146	EA	3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	254.16	60.58
			For Work In Restricted Working Space, Add	36.35	
			For Elevated Installation >10' To 15', Add	12.12	
			For Elevated Installation >15' To 20', Add	24.23	
			For Elevated Installation >20' To 25', Add	30.29	
			For Elevated Installation >25' To 30', Add	42.41	
			For Elevated Installation >30' To 35', Add	48.47	
			For Elevated Installation >35' To 40', Add	60.59	
			For Elevated Installation >40', Add	66.64	
26 05 33	13-0147	EA	4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	295.86	78.87
			For Work In Restricted Working Space, Add	47.33	
			For Elevated Installation >10' To 15', Add	15.78	
			For Elevated Installation >15' To 20', Add	31.55	
			For Elevated Installation >20' To 25', Add	39.44	
			For Elevated Installation >25' To 30', Add	55.21	
			For Elevated Installation >30' To 35', Add	63.10	
			For Elevated Installation >35' To 40', Add	78.88	
			For Elevated Installation >40', Add	86.76	
26 05 33	13-0148	EA	5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	505.52	128.60
			For Work In Restricted Working Space, Add	77.16	
			For Elevated Installation >10' To 15', Add	25.72	
			For Elevated Installation >15' To 20', Add	51.44	
			For Elevated Installation >20' To 25', Add	64.30	
			For Elevated Installation >25' To 30', Add	90.02	
			For Elevated Installation >30' To 35', Add	102.88	
			For Elevated Installation >35' To 40', Add	128.60	
			For Elevated Installation >40', Add	141.46	
26 05 33	13-0149	EA	6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	659.19	193.19
			For Work In Restricted Working Space, Add	115.91	
			For Elevated Installation >10' To 15', Add	38.64	
			For Elevated Installation >15' To 20', Add	77.27	
			For Elevated Installation >20' To 25', Add	96.59	
			For Elevated Installation >25' To 30', Add	135.23	
			For Elevated Installation >30' To 35', Add	154.55	
			For Elevated Installation >35' To 40', Add	193.19	
			For Elevated Installation >40', Add	212.50	
26 05 33	13-0150		<b>Rigid Galvanized Steel (RGS) 42" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
			See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33	13-0151	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	78.92	21.72
			For Work In Restricted Working Space, Add	13.03	
			For Elevated Installation >10' To 15', Add	4.34	
			For Elevated Installation >15' To 20', Add	8.69	
			For Elevated Installation >20' To 25', Add	10.86	
			For Elevated Installation >25' To 30', Add	15.20	
			For Elevated Installation >30' To 35', Add	17.38	
			For Elevated Installation >35' To 40', Add	21.72	
			For Elevated Installation >40', Add	23.89	
26 05 33	13-0152	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	93.65	25.15
			For Work In Restricted Working Space, Add	15.09	
			For Elevated Installation >10' To 15', Add	5.03	
			For Elevated Installation >15' To 20', Add	10.06	
			For Elevated Installation >20' To 25', Add	12.58	
			For Elevated Installation >25' To 30', Add	17.61	
			For Elevated Installation >30' To 35', Add	20.12	
			For Elevated Installation >35' To 40', Add	25.15	
			For Elevated Installation >40', Add	27.67	
26 05 33	13-0153	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	110.37	28.58
			For Work In Restricted Working Space, Add	17.15	
			For Elevated Installation >10' To 15', Add	5.72	
			For Elevated Installation >15' To 20', Add	11.43	
			For Elevated Installation >20' To 25', Add	14.29	
			For Elevated Installation >25' To 30', Add	20.00	
			For Elevated Installation >30' To 35', Add	22.86	
			For Elevated Installation >35' To 40', Add	28.58	
			For Elevated Installation >40', Add	31.43	
26 05 33	13-0154	EA	2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	123.96	31.44
			For Work In Restricted Working Space, Add	18.86	
			For Elevated Installation >10' To 15', Add	6.29	
			For Elevated Installation >15' To 20', Add	12.57	
			For Elevated Installation >20' To 25', Add	15.72	
			For Elevated Installation >25' To 30', Add	22.00	
			For Elevated Installation >30' To 35', Add	25.15	
			For Elevated Installation >35' To 40', Add	31.44	
			For Elevated Installation >40', Add	34.58	
26 05 33	13-0155	EA	2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	164.99	39.44
			For Work In Restricted Working Space, Add	23.66	
			For Elevated Installation >10' To 15', Add	7.89	
			For Elevated Installation >15' To 20', Add	15.77	
			For Elevated Installation >20' To 25', Add	19.72	
			For Elevated Installation >25' To 30', Add	27.60	
			For Elevated Installation >30' To 35', Add	31.55	
			For Elevated Installation >35' To 40', Add	39.44	
			For Elevated Installation >40', Add	43.38	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0156	EA 3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	220.17	53.72
	For Work In Restricted Working Space, Add	32.24	
	For Elevated Installation >10' To 15', Add	10.75	
	For Elevated Installation >15' To 20', Add	21.49	
	For Elevated Installation >20' To 25', Add	26.86	
	For Elevated Installation >25' To 30', Add	37.61	
	For Elevated Installation >30' To 35', Add	42.98	
	For Elevated Installation >35' To 40', Add	53.73	
	For Elevated Installation >40', Add	59.10	
26 05 33 13-0157	EA 3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	269.46	60.58
	For Work In Restricted Working Space, Add	36.35	
	For Elevated Installation >10' To 15', Add	12.12	
	For Elevated Installation >15' To 20', Add	24.23	
	For Elevated Installation >20' To 25', Add	30.29	
	For Elevated Installation >25' To 30', Add	42.41	
	For Elevated Installation >30' To 35', Add	48.47	
	For Elevated Installation >35' To 40', Add	60.59	
	For Elevated Installation >40', Add	66.64	
26 05 33 13-0158	EA 4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	339.88	78.87
	For Work In Restricted Working Space, Add	47.33	
	For Elevated Installation >10' To 15', Add	15.78	
	For Elevated Installation >15' To 20', Add	31.55	
	For Elevated Installation >20' To 25', Add	39.44	
	For Elevated Installation >25' To 30', Add	55.21	
	For Elevated Installation >30' To 35', Add	63.10	
	For Elevated Installation >35' To 40', Add	78.88	
	For Elevated Installation >40', Add	86.76	
26 05 33 13-0159	EA 5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	566.25	128.60
	For Work In Restricted Working Space, Add	77.16	
	For Elevated Installation >10' To 15', Add	25.72	
	For Elevated Installation >15' To 20', Add	51.44	
	For Elevated Installation >20' To 25', Add	64.30	
	For Elevated Installation >25' To 30', Add	90.02	
	For Elevated Installation >30' To 35', Add	102.88	
	For Elevated Installation >35' To 40', Add	128.60	
	For Elevated Installation >40', Add	141.46	
26 05 33 13-0160	EA 6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	711.77	193.19
	For Work In Restricted Working Space, Add	115.91	
	For Elevated Installation >10' To 15', Add	38.64	
	For Elevated Installation >15' To 20', Add	77.27	
	For Elevated Installation >20' To 25', Add	96.59	
	For Elevated Installation >25' To 30', Add	135.23	
	For Elevated Installation >30' To 35', Add	154.55	
	For Elevated Installation >35' To 40', Add	193.19	
	For Elevated Installation >40', Add	212.50	
26 05 33 13-0161	<b>Rigid Galvanized Steel (RGS) 48" Large Radius Elbow</b> (26 05 33 13-0059) See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0162	EA 1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	83.26	21.72
	For Work In Restricted Working Space, Add	13.03	
	For Elevated Installation >10' To 15', Add	4.34	
	For Elevated Installation >15' To 20', Add	8.69	
	For Elevated Installation >20' To 25', Add	10.86	
	For Elevated Installation >25' To 30', Add	15.20	
	For Elevated Installation >30' To 35', Add	17.38	
	For Elevated Installation >35' To 40', Add	21.72	
	For Elevated Installation >40', Add	23.89	
26 05 33 13-0163	EA 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	98.55	25.15
	For Work In Restricted Working Space, Add	15.09	
	For Elevated Installation >10' To 15', Add	5.03	
	For Elevated Installation >15' To 20', Add	10.06	
	For Elevated Installation >20' To 25', Add	12.58	
	For Elevated Installation >25' To 30', Add	17.61	
	For Elevated Installation >30' To 35', Add	20.12	
	For Elevated Installation >35' To 40', Add	25.15	
	For Elevated Installation >40', Add	27.67	
26 05 33 13-0164	EA 1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	114.64	28.58
	For Work In Restricted Working Space, Add	17.15	
	For Elevated Installation >10' To 15', Add	5.72	
	For Elevated Installation >15' To 20', Add	11.43	
	For Elevated Installation >20' To 25', Add	14.29	
	For Elevated Installation >25' To 30', Add	20.00	
	For Elevated Installation >30' To 35', Add	22.86	
	For Elevated Installation >35' To 40', Add	28.58	
	For Elevated Installation >40', Add	31.43	
26 05 33 13-0165	EA 2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	137.17	31.44
	For Work In Restricted Working Space, Add	18.86	
	For Elevated Installation >10' To 15', Add	6.29	
	For Elevated Installation >15' To 20', Add	12.57	
	For Elevated Installation >20' To 25', Add	15.72	
	For Elevated Installation >25' To 30', Add	22.00	
	For Elevated Installation >30' To 35', Add	25.15	
	For Elevated Installation >35' To 40', Add	31.44	
	For Elevated Installation >40', Add	34.58	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0166 EA 2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	180.78	39.44
For Work In Restricted Working Space, Add	23.66	
For Elevated Installation >10' To 15', Add	7.89	
For Elevated Installation >15' To 20', Add	15.77	
For Elevated Installation >20' To 25', Add	19.72	
For Elevated Installation >25' To 30', Add	27.60	
For Elevated Installation >30' To 35', Add	31.55	
For Elevated Installation >35' To 40', Add	39.44	
For Elevated Installation >40', Add	43.38	
26 05 33 13-0167 EA 3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	235.54	53.72
For Work In Restricted Working Space, Add	32.24	
For Elevated Installation >10' To 15', Add	10.75	
For Elevated Installation >15' To 20', Add	21.49	
For Elevated Installation >20' To 25', Add	26.86	
For Elevated Installation >25' To 30', Add	37.61	
For Elevated Installation >30' To 35', Add	42.98	
For Elevated Installation >35' To 40', Add	53.73	
For Elevated Installation >40', Add	59.10	
26 05 33 13-0168 EA 3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	288.69	60.58
For Work In Restricted Working Space, Add	36.35	
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.23	
For Elevated Installation >20' To 25', Add	30.29	
For Elevated Installation >25' To 30', Add	42.41	
For Elevated Installation >30' To 35', Add	48.47	
For Elevated Installation >35' To 40', Add	60.59	
For Elevated Installation >40', Add	66.64	
26 05 33 13-0169 EA 4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	363.25	78.87
For Work In Restricted Working Space, Add	47.33	
For Elevated Installation >10' To 15', Add	15.78	
For Elevated Installation >15' To 20', Add	31.55	
For Elevated Installation >20' To 25', Add	39.44	
For Elevated Installation >25' To 30', Add	55.21	
For Elevated Installation >30' To 35', Add	63.10	
For Elevated Installation >35' To 40', Add	78.88	
For Elevated Installation >40', Add	86.76	
26 05 33 13-0170 EA 5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	585.27	128.60
For Work In Restricted Working Space, Add	77.16	
For Elevated Installation >10' To 15', Add	25.72	
For Elevated Installation >15' To 20', Add	51.44	
For Elevated Installation >20' To 25', Add	64.30	
For Elevated Installation >25' To 30', Add	90.02	
For Elevated Installation >30' To 35', Add	102.88	
For Elevated Installation >35' To 40', Add	128.60	
For Elevated Installation >40', Add	141.46	
26 05 33 13-0171 EA 6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	722.41	193.19
For Work In Restricted Working Space, Add	115.91	
For Elevated Installation >10' To 15', Add	38.64	
For Elevated Installation >15' To 20', Add	77.27	
For Elevated Installation >20' To 25', Add	96.59	
For Elevated Installation >25' To 30', Add	135.23	
For Elevated Installation >30' To 35', Add	154.55	
For Elevated Installation >35' To 40', Add	193.19	
For Elevated Installation >40', Add	212.50	
<b>26 05 33 13-0172 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0173 EA 1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	11.45	5.61
For Work In Restricted Working Space, Add	3.37	
For Elevated Installation >10' To 15', Add	1.12	
For Elevated Installation >15' To 20', Add	2.24	
For Elevated Installation >20' To 25', Add	2.81	
For Elevated Installation >25' To 30', Add	3.93	
For Elevated Installation >30' To 35', Add	4.49	
For Elevated Installation >35' To 40', Add	5.61	
For Elevated Installation >40', Add	6.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 05 33 13-0174 EA 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	12.27	5.98
For Work In Restricted Working Space, Add	3.59	
For Elevated Installation >10' To 15', Add	1.20	
For Elevated Installation >15' To 20', Add	2.39	
For Elevated Installation >20' To 25', Add	2.99	
For Elevated Installation >25' To 30', Add	4.19	
For Elevated Installation >30' To 35', Add	4.78	
For Elevated Installation >35' To 40', Add	5.98	
For Elevated Installation >40', Add	6.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.59	
26 05 33 13-0175 EA 1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	13.92	6.73
For Work In Restricted Working Space, Add	4.04	
For Elevated Installation >10' To 15', Add	1.35	
For Elevated Installation >15' To 20', Add	2.69	
For Elevated Installation >20' To 25', Add	3.36	
For Elevated Installation >25' To 30', Add	4.71	
For Elevated Installation >30' To 35', Add	5.38	
For Elevated Installation >35' To 40', Add	6.73	
For Elevated Installation >40', Add	7.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.04	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

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MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0176	EA 1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	15.63	7.47
	For Work In Restricted Working Space, Add	4.49	
	For Elevated Installation >10' To 15', Add	1.50	
	For Elevated Installation >15' To 20', Add	2.99	
	For Elevated Installation >20' To 25', Add	3.74	
	For Elevated Installation >25' To 30', Add	5.23	
	For Elevated Installation >30' To 35', Add	5.98	
	For Elevated Installation >35' To 40', Add	7.48	
	For Elevated Installation >40', Add	8.22	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.49	
26 05 33 13-0177	EA 1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	19.62	9.34
	For Work In Restricted Working Space, Add	5.61	
	For Elevated Installation >10' To 15', Add	1.87	
	For Elevated Installation >15' To 20', Add	3.74	
	For Elevated Installation >20' To 25', Add	4.67	
	For Elevated Installation >25' To 30', Add	6.54	
	For Elevated Installation >30' To 35', Add	7.48	
	For Elevated Installation >35' To 40', Add	9.35	
	For Elevated Installation >40', Add	10.28	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.61	
26 05 33 13-0178	EA 2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	24.15	11.22
	For Work In Restricted Working Space, Add	6.73	
	For Elevated Installation >10' To 15', Add	2.24	
	For Elevated Installation >15' To 20', Add	4.48	
	For Elevated Installation >20' To 25', Add	5.61	
	For Elevated Installation >25' To 30', Add	7.85	
	For Elevated Installation >30' To 35', Add	8.97	
	For Elevated Installation >35' To 40', Add	11.21	
	For Elevated Installation >40', Add	12.33	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.73	
26 05 33 13-0179	EA 2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	29.98	13.08
	For Work In Restricted Working Space, Add	7.85	
	For Elevated Installation >10' To 15', Add	2.62	
	For Elevated Installation >15' To 20', Add	5.23	
	For Elevated Installation >20' To 25', Add	6.54	
	For Elevated Installation >25' To 30', Add	9.16	
	For Elevated Installation >30' To 35', Add	10.46	
	For Elevated Installation >35' To 40', Add	13.08	
	For Elevated Installation >40', Add	14.39	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.85	
26 05 33 13-0180	EA 3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	33.92	14.95
	For Work In Restricted Working Space, Add	8.97	
	For Elevated Installation >10' To 15', Add	2.99	
	For Elevated Installation >15' To 20', Add	5.98	
	For Elevated Installation >20' To 25', Add	7.48	
	For Elevated Installation >25' To 30', Add	10.47	
	For Elevated Installation >30' To 35', Add	11.96	
	For Elevated Installation >35' To 40', Add	14.95	
	For Elevated Installation >40', Add	16.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.97	
26 05 33 13-0181	EA 3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	39.23	14.06
	For Work In Restricted Working Space, Add	10.09	
	For Elevated Installation >10' To 15', Add	3.36	
	For Elevated Installation >15' To 20', Add	6.73	
	For Elevated Installation >20' To 25', Add	8.41	
	For Elevated Installation >25' To 30', Add	11.77	
	For Elevated Installation >30' To 35', Add	13.46	
	For Elevated Installation >35' To 40', Add	16.82	
	For Elevated Installation >40', Add	18.50	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.09	
26 05 33 13-0182	EA 4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	43.53	18.69
	For Work In Restricted Working Space, Add	11.21	
	For Elevated Installation >10' To 15', Add	3.74	
	For Elevated Installation >15' To 20', Add	7.47	
	For Elevated Installation >20' To 25', Add	9.34	
	For Elevated Installation >25' To 30', Add	13.08	
	For Elevated Installation >30' To 35', Add	14.95	
	For Elevated Installation >35' To 40', Add	18.69	
	For Elevated Installation >40', Add	20.55	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.21	
26 05 33 13-0183	EA 5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	51.60	20.56
	For Work In Restricted Working Space, Add	12.33	
	For Elevated Installation >10' To 15', Add	4.11	
	For Elevated Installation >15' To 20', Add	8.22	
	For Elevated Installation >20' To 25', Add	10.28	
	For Elevated Installation >25' To 30', Add	14.39	
	For Elevated Installation >30' To 35', Add	16.44	
	For Elevated Installation >35' To 40', Add	20.56	
	For Elevated Installation >40', Add	22.61	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.33	
26 05 33 13-0184	EA 6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	71.41	22.42
	For Work In Restricted Working Space, Add	13.45	
	For Elevated Installation >10' To 15', Add	4.48	
	For Elevated Installation >15' To 20', Add	8.97	
	For Elevated Installation >20' To 25', Add	11.21	
	For Elevated Installation >25' To 30', Add	15.69	
	For Elevated Installation >30' To 35', Add	17.94	
	For Elevated Installation >35' To 40', Add	22.42	
	For Elevated Installation >40', Add	24.66	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.45	

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI UOM		UNIT COST	UNIT COST

26 05 33 13-0185	<b>Rigid Galvanized Steel (RGS) Steel Bushing</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0186	EA 1/2" Rigid Galvanized Steel (RGS) Steel Bushing .....	13.77	6.59
	For Work In Restricted Working Space, Add	3.96	
	For Elevated Installation >10' To 15', Add	1.32	
	For Elevated Installation >15' To 20', Add	2.64	
	For Elevated Installation >20' To 25', Add	3.30	
	For Elevated Installation >25' To 30', Add	4.62	
	For Elevated Installation >30' To 35', Add	5.28	
	For Elevated Installation >35' To 40', Add	6.60	
	For Elevated Installation >40', Add	7.25	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.96	
26 05 33 13-0187	EA 3/4" Rigid Galvanized Steel (RGS) Steel Bushing .....	14.91	7.03
	For Work In Restricted Working Space, Add	4.22	
	For Elevated Installation >10' To 15', Add	1.41	
	For Elevated Installation >15' To 20', Add	2.81	
	For Elevated Installation >20' To 25', Add	3.52	
	For Elevated Installation >25' To 30', Add	4.92	
	For Elevated Installation >30' To 35', Add	5.62	
	For Elevated Installation >35' To 40', Add	7.03	
	For Elevated Installation >40', Add	7.73	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
26 05 33 13-0188	EA 1" Rigid Galvanized Steel (RGS) Steel Bushing .....	17.31	7.92
	For Work In Restricted Working Space, Add	4.75	
	For Elevated Installation >10' To 15', Add	1.58	
	For Elevated Installation >15' To 20', Add	3.17	
	For Elevated Installation >20' To 25', Add	3.96	
	For Elevated Installation >25' To 30', Add	5.54	
	For Elevated Installation >30' To 35', Add	6.33	
	For Elevated Installation >35' To 40', Add	7.92	
	For Elevated Installation >40', Add	8.71	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.75	
26 05 33 13-0189	EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing .....	19.42	8.79
	For Work In Restricted Working Space, Add	5.28	
	For Elevated Installation >10' To 15', Add	1.76	
	For Elevated Installation >15' To 20', Add	3.52	
	For Elevated Installation >20' To 25', Add	4.40	
	For Elevated Installation >25' To 30', Add	6.16	
	For Elevated Installation >30' To 35', Add	7.04	
	For Elevated Installation >35' To 40', Add	8.80	
	For Elevated Installation >40', Add	9.67	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.28	
26 05 33 13-0190	EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing .....	24.68	11.00
	For Work In Restricted Working Space, Add	6.59	
	For Elevated Installation >10' To 15', Add	2.20	
	For Elevated Installation >15' To 20', Add	4.40	
	For Elevated Installation >20' To 25', Add	5.50	
	For Elevated Installation >25' To 30', Add	7.69	
	For Elevated Installation >30' To 35', Add	8.79	
	For Elevated Installation >35' To 40', Add	10.99	
	For Elevated Installation >40', Add	12.09	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.59	
26 05 33 13-0191	EA 2" Rigid Galvanized Steel (RGS) Steel Bushing .....	29.29	13.19
	For Work In Restricted Working Space, Add	7.91	
	For Elevated Installation >10' To 15', Add	2.64	
	For Elevated Installation >15' To 20', Add	5.28	
	For Elevated Installation >20' To 25', Add	6.60	
	For Elevated Installation >25' To 30', Add	9.23	
	For Elevated Installation >30' To 35', Add	10.55	
	For Elevated Installation >35' To 40', Add	13.19	
	For Elevated Installation >40', Add	14.51	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.91	
26 05 33 13-0192	EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing .....	39.91	15.39
	For Work In Restricted Working Space, Add	9.23	
	For Elevated Installation >10' To 15', Add	3.08	
	For Elevated Installation >15' To 20', Add	6.16	
	For Elevated Installation >20' To 25', Add	7.70	
	For Elevated Installation >25' To 30', Add	10.77	
	For Elevated Installation >30' To 35', Add	12.31	
	For Elevated Installation >35' To 40', Add	15.39	
	For Elevated Installation >40', Add	16.93	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 05 33 13-0193	EA 3" Rigid Galvanized Steel (RGS) Steel Bushing .....	47.16	17.59
	For Work In Restricted Working Space, Add	10.55	
	For Elevated Installation >10' To 15', Add	3.52	
	For Elevated Installation >15' To 20', Add	7.03	
	For Elevated Installation >20' To 25', Add	8.79	
	For Elevated Installation >25' To 30', Add	12.31	
	For Elevated Installation >30' To 35', Add	14.07	
	For Elevated Installation >35' To 40', Add	17.59	
	For Elevated Installation >40', Add	19.34	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.55	
26 05 33 13-0194	EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing .....	67.56	19.78
	For Work In Restricted Working Space, Add	11.87	
	For Elevated Installation >10' To 15', Add	3.96	
	For Elevated Installation >15' To 20', Add	7.91	
	For Elevated Installation >20' To 25', Add	9.89	
	For Elevated Installation >25' To 30', Add	13.85	
	For Elevated Installation >30' To 35', Add	15.83	
	For Elevated Installation >35' To 40', Add	19.79	
	For Elevated Installation >40', Add	21.76	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.87	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0195	EA 4" Rigid Galvanized Steel (RGS) Steel Bushing .....	89.36	21.98
	For Work In Restricted Working Space, Add	13.19	
	For Elevated Installation >10' To 15', Add	4.40	
	For Elevated Installation >15' To 20', Add	8.79	
	For Elevated Installation >20' To 25', Add	10.99	
	For Elevated Installation >25' To 30', Add	15.39	
	For Elevated Installation >30' To 35', Add	17.59	
	For Elevated Installation >35' To 40', Add	21.99	
	For Elevated Installation >40', Add	24.18	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.19	
26 05 33 13-0196	EA 5" Rigid Galvanized Steel (RGS) Steel Bushing .....	117.21	24.18
	For Work In Restricted Working Space, Add	14.51	
	For Elevated Installation >10' To 15', Add	4.84	
	For Elevated Installation >15' To 20', Add	9.67	
	For Elevated Installation >20' To 25', Add	12.09	
	For Elevated Installation >25' To 30', Add	16.93	
	For Elevated Installation >30' To 35', Add	19.34	
	For Elevated Installation >35' To 40', Add	24.18	
	For Elevated Installation >40', Add	26.60	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.51	
26 05 33 13-0197	EA 6" Rigid Galvanized Steel (RGS) Steel Bushing .....	168.96	26.38
	For Work In Restricted Working Space, Add	15.83	
	For Elevated Installation >10' To 15', Add	5.28	
	For Elevated Installation >15' To 20', Add	10.55	
	For Elevated Installation >20' To 25', Add	13.19	
	For Elevated Installation >25' To 30', Add	18.47	
	For Elevated Installation >30' To 35', Add	21.10	
	For Elevated Installation >35' To 40', Add	26.38	
	For Elevated Installation >40', Add	29.02	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.83	
<b>26 05 33 13-0198</b>	<b>Rigid Galvanized Steel (RGS) Steel Insulated Bushing</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0199	EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing .....	14.46	6.59
	For Work In Restricted Working Space, Add	3.96	
	For Elevated Installation >10' To 15', Add	1.32	
	For Elevated Installation >15' To 20', Add	2.64	
	For Elevated Installation >20' To 25', Add	3.30	
	For Elevated Installation >25' To 30', Add	4.62	
	For Elevated Installation >30' To 35', Add	5.28	
	For Elevated Installation >35' To 40', Add	6.60	
	For Elevated Installation >40', Add	7.25	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.96	
26 05 33 13-0200	EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing .....	15.95	7.03
	For Work In Restricted Working Space, Add	4.22	
	For Elevated Installation >10' To 15', Add	1.41	
	For Elevated Installation >15' To 20', Add	2.81	
	For Elevated Installation >20' To 25', Add	3.52	
	For Elevated Installation >25' To 30', Add	4.92	
	For Elevated Installation >30' To 35', Add	5.62	
	For Elevated Installation >35' To 40', Add	7.03	
	For Elevated Installation >40', Add	7.73	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
26 05 33 13-0201	EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing .....	18.62	7.92
	For Work In Restricted Working Space, Add	4.75	
	For Elevated Installation >10' To 15', Add	1.58	
	For Elevated Installation >15' To 20', Add	3.17	
	For Elevated Installation >20' To 25', Add	3.96	
	For Elevated Installation >25' To 30', Add	5.54	
	For Elevated Installation >30' To 35', Add	6.33	
	For Elevated Installation >35' To 40', Add	7.92	
	For Elevated Installation >40', Add	8.71	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.75	
26 05 33 13-0202	EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing .....	21.63	8.79
	For Work In Restricted Working Space, Add	5.28	
	For Elevated Installation >10' To 15', Add	1.76	
	For Elevated Installation >15' To 20', Add	3.52	
	For Elevated Installation >20' To 25', Add	4.40	
	For Elevated Installation >25' To 30', Add	6.16	
	For Elevated Installation >30' To 35', Add	7.04	
	For Elevated Installation >35' To 40', Add	8.80	
	For Elevated Installation >40', Add	9.67	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.28	
26 05 33 13-0203	EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing .....	26.98	11.00
	For Work In Restricted Working Space, Add	6.59	
	For Elevated Installation >10' To 15', Add	2.20	
	For Elevated Installation >15' To 20', Add	4.40	
	For Elevated Installation >20' To 25', Add	5.50	
	For Elevated Installation >25' To 30', Add	7.69	
	For Elevated Installation >30' To 35', Add	8.79	
	For Elevated Installation >35' To 40', Add	10.99	
	For Elevated Installation >40', Add	12.09	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0204 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	33.37	13.19
For Work In Restricted Working Space, Add	7.91	
For Elevated Installation >10' To 15', Add	2.64	
For Elevated Installation >15' To 20', Add	5.28	
For Elevated Installation >20' To 25', Add	6.60	
For Elevated Installation >25' To 30', Add	9.23	
For Elevated Installation >30' To 35', Add	10.55	
For Elevated Installation >35' To 40', Add	13.19	
For Elevated Installation >40', Add	14.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.91	
26 05 33 13-0205 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	45.44	15.39
For Work In Restricted Working Space, Add	9.23	
For Elevated Installation >10' To 15', Add	3.08	
For Elevated Installation >15' To 20', Add	6.16	
For Elevated Installation >20' To 25', Add	7.70	
For Elevated Installation >25' To 30', Add	10.77	
For Elevated Installation >30' To 35', Add	12.31	
For Elevated Installation >35' To 40', Add	15.39	
For Elevated Installation >40', Add	16.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 05 33 13-0206 EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	53.63	17.59
For Work In Restricted Working Space, Add	10.55	
For Elevated Installation >10' To 15', Add	3.52	
For Elevated Installation >15' To 20', Add	7.03	
For Elevated Installation >20' To 25', Add	8.79	
For Elevated Installation >25' To 30', Add	12.31	
For Elevated Installation >30' To 35', Add	14.07	
For Elevated Installation >35' To 40', Add	17.59	
For Elevated Installation >40', Add	19.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.55	
26 05 33 13-0207 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	68.76	19.78
For Work In Restricted Working Space, Add	11.87	
For Elevated Installation >10' To 15', Add	3.96	
For Elevated Installation >15' To 20', Add	7.91	
For Elevated Installation >20' To 25', Add	9.89	
For Elevated Installation >25' To 30', Add	13.85	
For Elevated Installation >30' To 35', Add	15.83	
For Elevated Installation >35' To 40', Add	19.79	
For Elevated Installation >40', Add	21.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.87	
26 05 33 13-0208 EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	94.76	21.98
For Work In Restricted Working Space, Add	13.19	
For Elevated Installation >10' To 15', Add	4.40	
For Elevated Installation >15' To 20', Add	8.79	
For Elevated Installation >20' To 25', Add	10.99	
For Elevated Installation >25' To 30', Add	15.39	
For Elevated Installation >30' To 35', Add	17.59	
For Elevated Installation >35' To 40', Add	21.99	
For Elevated Installation >40', Add	24.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.19	
26 05 33 13-0209 EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	123.09	24.18
For Work In Restricted Working Space, Add	14.51	
For Elevated Installation >10' To 15', Add	4.84	
For Elevated Installation >15' To 20', Add	9.67	
For Elevated Installation >20' To 25', Add	12.09	
For Elevated Installation >25' To 30', Add	16.93	
For Elevated Installation >30' To 35', Add	19.34	
For Elevated Installation >35' To 40', Add	24.18	
For Elevated Installation >40', Add	26.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.51	
26 05 33 13-0210 EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	171.03	26.38
For Work In Restricted Working Space, Add	15.83	
For Elevated Installation >10' To 15', Add	5.28	
For Elevated Installation >15' To 20', Add	10.55	
For Elevated Installation >20' To 25', Add	13.19	
For Elevated Installation >25' To 30', Add	18.47	
For Elevated Installation >30' To 35', Add	21.10	
For Elevated Installation >35' To 40', Add	26.38	
For Elevated Installation >40', Add	29.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.83	
<b>26 05 33 13-0211 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing</b> (26 05 33 13-0059)		
26 05 33 13-0212 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	20.96	7.92
For Work In Restricted Working Space, Add	4.75	
For Elevated Installation >10' To 15', Add	1.58	
For Elevated Installation >15' To 20', Add	3.17	
For Elevated Installation >20' To 25', Add	3.96	
For Elevated Installation >25' To 30', Add	5.54	
For Elevated Installation >30' To 35', Add	6.33	
For Elevated Installation >35' To 40', Add	7.92	
For Elevated Installation >40', Add	8.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.75	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0213	EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing .....	23.45	8.79
	For Work In Restricted Working Space, Add	5.28	
	For Elevated Installation >10' To 15', Add	1.76	
	For Elevated Installation >15' To 20', Add	3.52	
	For Elevated Installation >20' To 25', Add	4.40	
	For Elevated Installation >25' To 30', Add	6.16	
	For Elevated Installation >30' To 35', Add	7.04	
	For Elevated Installation >35' To 40', Add	8.80	
	For Elevated Installation >40', Add	9.67	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.28	
26 05 33 13-0214	EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing .....	26.64	9.67
	For Work In Restricted Working Space, Add	5.80	
	For Elevated Installation >10' To 15', Add	1.93	
	For Elevated Installation >15' To 20', Add	3.87	
	For Elevated Installation >20' To 25', Add	4.84	
	For Elevated Installation >25' To 30', Add	6.77	
	For Elevated Installation >30' To 35', Add	7.74	
	For Elevated Installation >35' To 40', Add	9.67	
	For Elevated Installation >40', Add	10.64	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.80	
26 05 33 13-0215	EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing .....	31.43	11.00
	For Work In Restricted Working Space, Add	6.59	
	For Elevated Installation >10' To 15', Add	2.20	
	For Elevated Installation >15' To 20', Add	4.40	
	For Elevated Installation >20' To 25', Add	5.50	
	For Elevated Installation >25' To 30', Add	7.69	
	For Elevated Installation >30' To 35', Add	8.79	
	For Elevated Installation >35' To 40', Add	10.99	
	For Elevated Installation >40', Add	12.09	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.59	
26 05 33 13-0216	EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing .....	38.16	13.63
	For Work In Restricted Working Space, Add	8.18	
	For Elevated Installation >10' To 15', Add	2.73	
	For Elevated Installation >15' To 20', Add	5.45	
	For Elevated Installation >20' To 25', Add	6.82	
	For Elevated Installation >25' To 30', Add	9.54	
	For Elevated Installation >30' To 35', Add	10.90	
	For Elevated Installation >35' To 40', Add	13.63	
	For Elevated Installation >40', Add	14.99	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.18	
26 05 33 13-0217	EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing .....	47.68	16.27
	For Work In Restricted Working Space, Add	9.76	
	For Elevated Installation >10' To 15', Add	3.25	
	For Elevated Installation >15' To 20', Add	6.51	
	For Elevated Installation >20' To 25', Add	8.13	
	For Elevated Installation >25' To 30', Add	11.39	
	For Elevated Installation >30' To 35', Add	13.01	
	For Elevated Installation >35' To 40', Add	16.27	
	For Elevated Installation >40', Add	17.89	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 05 33 13-0218	EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing .....	62.55	18.90
	For Work In Restricted Working Space, Add	11.34	
	For Elevated Installation >10' To 15', Add	3.78	
	For Elevated Installation >15' To 20', Add	7.56	
	For Elevated Installation >20' To 25', Add	9.45	
	For Elevated Installation >25' To 30', Add	13.23	
	For Elevated Installation >30' To 35', Add	15.12	
	For Elevated Installation >35' To 40', Add	18.91	
	For Elevated Installation >40', Add	20.80	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.34	
26 05 33 13-0219	EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing .....	69.50	21.98
	For Work In Restricted Working Space, Add	13.19	
	For Elevated Installation >10' To 15', Add	4.40	
	For Elevated Installation >15' To 20', Add	8.79	
	For Elevated Installation >20' To 25', Add	10.99	
	For Elevated Installation >25' To 30', Add	15.39	
	For Elevated Installation >30' To 35', Add	17.59	
	For Elevated Installation >35' To 40', Add	21.99	
	For Elevated Installation >40', Add	24.18	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.19	
26 05 33 13-0220	EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing .....	78.48	24.62
	For Work In Restricted Working Space, Add	14.77	
	For Elevated Installation >10' To 15', Add	4.92	
	For Elevated Installation >15' To 20', Add	9.85	
	For Elevated Installation >20' To 25', Add	12.31	
	For Elevated Installation >25' To 30', Add	17.23	
	For Elevated Installation >30' To 35', Add	19.70	
	For Elevated Installation >35' To 40', Add	24.62	
	For Elevated Installation >40', Add	27.08	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.77	
26 05 33 13-0221	EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing .....	99.26	27.26
	For Work In Restricted Working Space, Add	16.35	
	For Elevated Installation >10' To 15', Add	5.45	
	For Elevated Installation >15' To 20', Add	10.90	
	For Elevated Installation >20' To 25', Add	13.63	
	For Elevated Installation >25' To 30', Add	19.08	
	For Elevated Installation >30' To 35', Add	21.80	
	For Elevated Installation >35' To 40', Add	27.26	
	For Elevated Installation >40', Add	29.98	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.35	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 33	13-0222	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing .....	136.82	29.90
				For Work In Restricted Working Space, Add	17.94	
				For Elevated Installation >10' To 15', Add	5.98	
				For Elevated Installation >15' To 20', Add	11.96	
				For Elevated Installation >20' To 25', Add	14.95	
				For Elevated Installation >25' To 30', Add	20.93	
				For Elevated Installation >30' To 35', Add	23.92	
				For Elevated Installation >35' To 40', Add	29.90	
				For Elevated Installation >40', Add	32.88	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.94	
	26 05 33	13-0223	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing .....	184.69	32.98
				For Work In Restricted Working Space, Add	19.79	
				For Elevated Installation >10' To 15', Add	6.60	
				For Elevated Installation >15' To 20', Add	13.19	
				For Elevated Installation >20' To 25', Add	16.49	
				For Elevated Installation >25' To 30', Add	23.08	
				For Elevated Installation >30' To 35', Add	26.38	
				For Elevated Installation >35' To 40', Add	32.98	
				For Elevated Installation >40', Add	36.27	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.79	
	26 05 33	13-0224		<b>Rigid Galvanized Steel (RGS) Box Connectors With Set Screw</b> <small>(26 05 33 13-0059)</small>		
	26 05 33	13-0225	EA	1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw .....	13.86	4.04
				For Work In Restricted Working Space, Add	3.01	
				For Elevated Installation >10' To 15', Add	1.00	
				For Elevated Installation >15' To 20', Add	2.01	
				For Elevated Installation >20' To 25', Add	2.51	
				For Elevated Installation >25' To 30', Add	3.51	
				For Elevated Installation >30' To 35', Add	4.01	
				For Elevated Installation >35' To 40', Add	5.02	
				For Elevated Installation >40', Add	5.52	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.01	
	26 05 33	13-0226	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw .....	16.94	4.66
				For Work In Restricted Working Space, Add	3.49	
				For Elevated Installation >10' To 15', Add	1.16	
				For Elevated Installation >15' To 20', Add	2.32	
				For Elevated Installation >20' To 25', Add	2.91	
				For Elevated Installation >25' To 30', Add	4.07	
				For Elevated Installation >30' To 35', Add	4.65	
				For Elevated Installation >35' To 40', Add	5.81	
				For Elevated Installation >40', Add	6.39	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.49	
	26 05 33	13-0227	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw .....	22.48	5.63
				For Work In Restricted Working Space, Add	4.20	
				For Elevated Installation >10' To 15', Add	1.40	
				For Elevated Installation >15' To 20', Add	2.80	
				For Elevated Installation >20' To 25', Add	3.50	
				For Elevated Installation >25' To 30', Add	4.90	
				For Elevated Installation >30' To 35', Add	5.60	
				For Elevated Installation >35' To 40', Add	7.00	
				For Elevated Installation >40', Add	7.70	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.20	
	26 05 33	13-0228	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	34.05	6.94
				For Work In Restricted Working Space, Add	5.23	
				For Elevated Installation >10' To 15', Add	1.74	
				For Elevated Installation >15' To 20', Add	3.49	
				For Elevated Installation >20' To 25', Add	4.36	
				For Elevated Installation >25' To 30', Add	6.10	
				For Elevated Installation >30' To 35', Add	6.97	
				For Elevated Installation >35' To 40', Add	8.72	
				For Elevated Installation >40', Add	9.59	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.23	
	26 05 33	13-0229	EA	1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	46.15	9.32
				For Work In Restricted Working Space, Add	7.00	
				For Elevated Installation >10' To 15', Add	2.33	
				For Elevated Installation >15' To 20', Add	4.66	
				For Elevated Installation >20' To 25', Add	5.83	
				For Elevated Installation >25' To 30', Add	8.16	
				For Elevated Installation >30' To 35', Add	9.33	
				For Elevated Installation >35' To 40', Add	11.66	
				For Elevated Installation >40', Add	12.83	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.00	
	26 05 33	13-0230	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	79.69	13.98
				For Work In Restricted Working Space, Add	10.48	
				For Elevated Installation >10' To 15', Add	3.49	
				For Elevated Installation >15' To 20', Add	6.99	
				For Elevated Installation >20' To 25', Add	8.73	
				For Elevated Installation >25' To 30', Add	12.23	
				For Elevated Installation >30' To 35', Add	13.97	
				For Elevated Installation >35' To 40', Add	17.47	
				For Elevated Installation >40', Add	19.21	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.48	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

26 05 33 13-0231	EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	149.45	15.48
		<i>For Work In Restricted Working Space, Add</i>	11.61	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.87	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.74	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	9.67	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	13.54	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	15.48	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	19.35	
		<i>For Elevated Installation &gt;40', Add</i>	21.28	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.61	
26 05 33 13-0232	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	177.96	18.73
		<i>For Work In Restricted Working Space, Add</i>	14.06	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.69	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.37	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	11.72	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	16.40	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	18.74	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	23.43	
		<i>For Elevated Installation &gt;40', Add</i>	25.77	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.06	
26 05 33 13-0233	EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	241.76	23.48
		<i>For Work In Restricted Working Space, Add</i>	17.60	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.87	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.73	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.67	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.53	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	23.47	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	29.34	
		<i>For Elevated Installation &gt;40', Add</i>	32.27	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.60	
26 05 33 13-0234	EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	282.82	28.14
		<i>For Work In Restricted Working Space, Add</i>	21.10	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.03	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.07	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.59	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.62	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.14	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.17	
		<i>For Elevated Installation &gt;40', Add</i>	38.69	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.10	
26 05 33 13-0235	EA	5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	507.64	31.30
		<i>For Work In Restricted Working Space, Add</i>	23.45	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.82	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.63	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.54	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.36	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	31.27	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	39.09	
		<i>For Elevated Installation &gt;40', Add</i>	42.99	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.45	
26 05 33 13-0236	EA	6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	607.80	35.17
		<i>For Work In Restricted Working Space, Add</i>	26.37	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.79	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	17.58	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	21.98	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	30.77	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	35.16	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	43.96	
		<i>For Elevated Installation &gt;40', Add</i>	48.35	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.37	
26 05 33 13-0237		<b>Rigid Galvanized Steel (RGS) Nipples</b> (26 05 33 13-0059)		
26 05 33 13-0238	EA	1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple .....	12.48	5.72
		<i>For Work In Restricted Working Space, Add</i>	3.43	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.14	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.29	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.86	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.00	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	4.57	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	5.72	
		<i>For Elevated Installation &gt;40', Add</i>	6.29	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.43	
26 05 33 13-0239	EA	3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple .....	14.37	6.59
		<i>For Work In Restricted Working Space, Add</i>	3.96	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.32	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.64	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.30	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.62	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.28	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	6.60	
		<i>For Elevated Installation &gt;40', Add</i>	7.25	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0240	EA			1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple .....18.35		8.36
				<i>For Work In Restricted Working Space, Add</i>	5.01	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.67	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	3.34	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	4.18	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	5.85	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	6.68	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	8.35	
				<i>For Elevated Installation &gt;40', Add</i>	9.19	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 33 13-0241	EA			1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple .....21.43		9.67
				<i>For Work In Restricted Working Space, Add</i>	5.80	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.93	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	3.87	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	4.84	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	6.77	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	7.74	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	9.67	
				<i>For Elevated Installation &gt;40', Add</i>	10.64	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	
26 05 33 13-0242	EA			1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple .....24.46		11.00
				<i>For Work In Restricted Working Space, Add</i>	6.59	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.20	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	4.40	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	5.50	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	7.69	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	8.79	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	10.99	
				<i>For Elevated Installation &gt;40', Add</i>	12.09	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 05 33 13-0243	EA			1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple .....12.56		5.72
				<i>For Work In Restricted Working Space, Add</i>	3.43	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.14	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	2.29	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	2.86	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	4.00	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	4.57	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	5.72	
				<i>For Elevated Installation &gt;40', Add</i>	6.29	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.43	
26 05 33 13-0244	EA			3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple .....14.50		6.59
				<i>For Work In Restricted Working Space, Add</i>	3.96	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.32	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	2.64	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	3.30	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	4.62	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	5.28	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	6.60	
				<i>For Elevated Installation &gt;40', Add</i>	7.25	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96	
26 05 33 13-0245	EA			1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple .....18.49		8.36
				<i>For Work In Restricted Working Space, Add</i>	5.01	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.67	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	3.34	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	4.18	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	5.85	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	6.68	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	8.35	
				<i>For Elevated Installation &gt;40', Add</i>	9.19	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 33 13-0246	EA			1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple .....21.63		9.67
				<i>For Work In Restricted Working Space, Add</i>	5.80	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.93	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	3.87	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	4.84	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	6.77	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	7.74	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	9.67	
				<i>For Elevated Installation &gt;40', Add</i>	10.64	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	
26 05 33 13-0247	EA			1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple .....24.78		11.00
				<i>For Work In Restricted Working Space, Add</i>	6.59	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.20	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	4.40	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	5.50	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	7.69	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	8.79	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	10.99	
				<i>For Elevated Installation &gt;40', Add</i>	12.09	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 05 33 13-0248	EA			2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple .....28.00		12.31
				<i>For Work In Restricted Working Space, Add</i>	7.39	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.46	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	4.92	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	6.16	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	8.62	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	9.85	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	12.31	
				<i>For Elevated Installation &gt;40', Add</i>	13.54	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0249	EA 1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple .....	12.65	5.72
	For Work In Restricted Working Space, Add	3.43	
	For Elevated Installation >10' To 15', Add	1.14	
	For Elevated Installation >15' To 20', Add	2.29	
	For Elevated Installation >20' To 25', Add	2.86	
	For Elevated Installation >25' To 30', Add	4.00	
	For Elevated Installation >30' To 35', Add	4.57	
	For Elevated Installation >35' To 40', Add	5.72	
	For Elevated Installation >40', Add	6.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.43	
26 05 33 13-0250	EA 3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple .....	14.62	6.59
	For Work In Restricted Working Space, Add	3.96	
	For Elevated Installation >10' To 15', Add	1.32	
	For Elevated Installation >15' To 20', Add	2.64	
	For Elevated Installation >20' To 25', Add	3.30	
	For Elevated Installation >25' To 30', Add	4.62	
	For Elevated Installation >30' To 35', Add	5.28	
	For Elevated Installation >35' To 40', Add	6.60	
	For Elevated Installation >40', Add	7.25	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.96	
26 05 33 13-0251	EA 1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple .....	18.70	8.36
	For Work In Restricted Working Space, Add	5.01	
	For Elevated Installation >10' To 15', Add	1.67	
	For Elevated Installation >15' To 20', Add	3.34	
	For Elevated Installation >20' To 25', Add	4.18	
	For Elevated Installation >25' To 30', Add	5.85	
	For Elevated Installation >30' To 35', Add	6.68	
	For Elevated Installation >35' To 40', Add	8.35	
	For Elevated Installation >40', Add	9.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.01	
26 05 33 13-0252	EA 1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple .....	21.81	9.67
	For Work In Restricted Working Space, Add	5.80	
	For Elevated Installation >10' To 15', Add	1.93	
	For Elevated Installation >15' To 20', Add	3.87	
	For Elevated Installation >20' To 25', Add	4.84	
	For Elevated Installation >25' To 30', Add	6.77	
	For Elevated Installation >30' To 35', Add	7.74	
	For Elevated Installation >35' To 40', Add	9.67	
	For Elevated Installation >40', Add	10.64	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.80	
26 05 33 13-0253	EA 1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple .....	25.00	11.00
	For Work In Restricted Working Space, Add	6.59	
	For Elevated Installation >10' To 15', Add	2.20	
	For Elevated Installation >15' To 20', Add	4.40	
	For Elevated Installation >20' To 25', Add	5.50	
	For Elevated Installation >25' To 30', Add	7.69	
	For Elevated Installation >30' To 35', Add	8.79	
	For Elevated Installation >35' To 40', Add	10.99	
	For Elevated Installation >40', Add	12.09	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.59	
26 05 33 13-0254	EA 2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple .....	28.53	12.31
	For Work In Restricted Working Space, Add	7.39	
	For Elevated Installation >10' To 15', Add	2.46	
	For Elevated Installation >15' To 20', Add	4.92	
	For Elevated Installation >20' To 25', Add	6.16	
	For Elevated Installation >25' To 30', Add	8.62	
	For Elevated Installation >30' To 35', Add	9.85	
	For Elevated Installation >35' To 40', Add	12.31	
	For Elevated Installation >40', Add	13.54	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.39	
26 05 33 13-0255	EA 2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple .....	37.98	14.95
	For Work In Restricted Working Space, Add	8.97	
	For Elevated Installation >10' To 15', Add	2.99	
	For Elevated Installation >15' To 20', Add	5.98	
	For Elevated Installation >20' To 25', Add	7.48	
	For Elevated Installation >25' To 30', Add	10.47	
	For Elevated Installation >30' To 35', Add	11.96	
	For Elevated Installation >35' To 40', Add	14.95	
	For Elevated Installation >40', Add	16.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.97	
26 05 33 13-0256	EA 3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple .....	51.25	20.67
	For Work In Restricted Working Space, Add	12.40	
	For Elevated Installation >10' To 15', Add	4.13	
	For Elevated Installation >15' To 20', Add	8.26	
	For Elevated Installation >20' To 25', Add	10.33	
	For Elevated Installation >25' To 30', Add	14.46	
	For Elevated Installation >30' To 35', Add	16.53	
	For Elevated Installation >35' To 40', Add	20.66	
	For Elevated Installation >40', Add	22.73	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.40	
26 05 33 13-0257	EA 1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple .....	12.77	5.72
	For Work In Restricted Working Space, Add	3.43	
	For Elevated Installation >10' To 15', Add	1.14	
	For Elevated Installation >15' To 20', Add	2.29	
	For Elevated Installation >20' To 25', Add	2.86	
	For Elevated Installation >25' To 30', Add	4.00	
	For Elevated Installation >30' To 35', Add	4.57	
	For Elevated Installation >35' To 40', Add	5.72	
	For Elevated Installation >40', Add	6.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0258	EA	3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple .....	14.68	6.59
			<i>For Work In Restricted Working Space, Add</i>	3.96	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.32	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.64	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.30	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.28	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.60	
			<i>For Elevated Installation &gt;40', Add</i>	7.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96	
26 05 33	13-0259	EA	1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple .....	18.96	8.36
			<i>For Work In Restricted Working Space, Add</i>	5.01	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.67	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.34	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.18	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.68	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.35	
			<i>For Elevated Installation &gt;40', Add</i>	9.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 33	13-0260	EA	1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple .....	22.15	9.67
			<i>For Work In Restricted Working Space, Add</i>	5.80	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.93	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.87	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.84	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.74	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.67	
			<i>For Elevated Installation &gt;40', Add</i>	10.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	
26 05 33	13-0261	EA	1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple .....	25.44	11.00
			<i>For Work In Restricted Working Space, Add</i>	6.59	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.20	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.40	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.69	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.79	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.99	
			<i>For Elevated Installation &gt;40', Add</i>	12.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 05 33	13-0262	EA	2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple .....	29.08	12.31
			<i>For Work In Restricted Working Space, Add</i>	7.39	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.46	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.92	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.85	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.31	
			<i>For Elevated Installation &gt;40', Add</i>	13.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 05 33	13-0263	EA	2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple .....	39.45	14.95
			<i>For Work In Restricted Working Space, Add</i>	8.97	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.99	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.98	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.47	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.96	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.95	
			<i>For Elevated Installation &gt;40', Add</i>	16.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.97	
26 05 33	13-0264	EA	3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple .....	52.53	20.67
			<i>For Work In Restricted Working Space, Add</i>	12.40	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.13	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.33	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.46	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.66	
			<i>For Elevated Installation &gt;40', Add</i>	22.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.40	
26 05 33	13-0265	EA	1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple .....	12.88	5.72
			<i>For Work In Restricted Working Space, Add</i>	3.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.14	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.29	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.57	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.72	
			<i>For Elevated Installation &gt;40', Add</i>	6.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.43	
26 05 33	13-0266	EA	3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple .....	14.88	6.59
			<i>For Work In Restricted Working Space, Add</i>	3.96	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.32	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.64	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.30	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.28	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.60	
			<i>For Elevated Installation &gt;40', Add</i>	7.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0267	EA 1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple .....	19.13	8.36
	For Work In Restricted Working Space, Add	5.01	
	For Elevated Installation >10' To 15', Add	1.67	
	For Elevated Installation >15' To 20', Add	3.34	
	For Elevated Installation >20' To 25', Add	4.18	
	For Elevated Installation >25' To 30', Add	5.85	
	For Elevated Installation >30' To 35', Add	6.68	
	For Elevated Installation >35' To 40', Add	8.35	
	For Elevated Installation >40', Add	9.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.01	
26 05 33 13-0268	EA 1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple .....	22.32	9.67
	For Work In Restricted Working Space, Add	5.80	
	For Elevated Installation >10' To 15', Add	1.93	
	For Elevated Installation >15' To 20', Add	3.87	
	For Elevated Installation >20' To 25', Add	4.84	
	For Elevated Installation >25' To 30', Add	6.77	
	For Elevated Installation >30' To 35', Add	7.74	
	For Elevated Installation >35' To 40', Add	9.67	
	For Elevated Installation >40', Add	10.64	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.80	
26 05 33 13-0269	EA 1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple .....	25.75	11.00
	For Work In Restricted Working Space, Add	6.59	
	For Elevated Installation >10' To 15', Add	2.20	
	For Elevated Installation >15' To 20', Add	4.40	
	For Elevated Installation >20' To 25', Add	5.50	
	For Elevated Installation >25' To 30', Add	7.69	
	For Elevated Installation >30' To 35', Add	8.79	
	For Elevated Installation >35' To 40', Add	10.99	
	For Elevated Installation >40', Add	12.09	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.59	
26 05 33 13-0270	EA 2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple .....	29.54	12.31
	For Work In Restricted Working Space, Add	7.39	
	For Elevated Installation >10' To 15', Add	2.46	
	For Elevated Installation >15' To 20', Add	4.92	
	For Elevated Installation >20' To 25', Add	6.16	
	For Elevated Installation >25' To 30', Add	8.62	
	For Elevated Installation >30' To 35', Add	9.85	
	For Elevated Installation >35' To 40', Add	12.31	
	For Elevated Installation >40', Add	13.54	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.39	
26 05 33 13-0271	EA 2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple .....	39.90	14.95
	For Work In Restricted Working Space, Add	8.97	
	For Elevated Installation >10' To 15', Add	2.99	
	For Elevated Installation >15' To 20', Add	5.98	
	For Elevated Installation >20' To 25', Add	7.48	
	For Elevated Installation >25' To 30', Add	10.47	
	For Elevated Installation >30' To 35', Add	11.96	
	For Elevated Installation >35' To 40', Add	14.95	
	For Elevated Installation >40', Add	16.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.97	
26 05 33 13-0272	EA 3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple .....	53.47	20.67
	For Work In Restricted Working Space, Add	12.40	
	For Elevated Installation >10' To 15', Add	4.13	
	For Elevated Installation >15' To 20', Add	8.26	
	For Elevated Installation >20' To 25', Add	10.33	
	For Elevated Installation >25' To 30', Add	14.46	
	For Elevated Installation >30' To 35', Add	16.53	
	For Elevated Installation >35' To 40', Add	20.66	
	For Elevated Installation >40', Add	22.73	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.40	
26 05 33 13-0273	EA 3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple .....	61.39	23.30
	For Work In Restricted Working Space, Add	13.98	
	For Elevated Installation >10' To 15', Add	4.66	
	For Elevated Installation >15' To 20', Add	9.32	
	For Elevated Installation >20' To 25', Add	11.65	
	For Elevated Installation >25' To 30', Add	16.31	
	For Elevated Installation >30' To 35', Add	18.64	
	For Elevated Installation >35' To 40', Add	23.30	
	For Elevated Installation >40', Add	25.63	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.98	
26 05 33 13-0274	EA 4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple .....	77.26	30.34
	For Work In Restricted Working Space, Add	18.20	
	For Elevated Installation >10' To 15', Add	6.07	
	For Elevated Installation >15' To 20', Add	12.13	
	For Elevated Installation >20' To 25', Add	15.17	
	For Elevated Installation >25' To 30', Add	21.23	
	For Elevated Installation >30' To 35', Add	24.26	
	For Elevated Installation >35' To 40', Add	30.33	
	For Elevated Installation >40', Add	33.36	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.20	
26 05 33 13-0275	EA 1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	13.06	5.72
	For Work In Restricted Working Space, Add	3.43	
	For Elevated Installation >10' To 15', Add	1.14	
	For Elevated Installation >15' To 20', Add	2.29	
	For Elevated Installation >20' To 25', Add	2.86	
	For Elevated Installation >25' To 30', Add	4.00	
	For Elevated Installation >30' To 35', Add	4.57	
	For Elevated Installation >35' To 40', Add	5.72	
	For Elevated Installation >40', Add	6.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0276	EA	3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	15.14	6.59
			For Work In Restricted Working Space, Add	3.96	
			For Elevated Installation >10' To 15', Add	1.32	
			For Elevated Installation >15' To 20', Add	2.64	
			For Elevated Installation >20' To 25', Add	3.30	
			For Elevated Installation >25' To 30', Add	4.62	
			For Elevated Installation >30' To 35', Add	5.28	
			For Elevated Installation >35' To 40', Add	6.60	
			For Elevated Installation >40', Add	7.25	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.96	
26 05 33	13-0277	EA	1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	19.45	8.36
			For Work In Restricted Working Space, Add	5.01	
			For Elevated Installation >10' To 15', Add	1.67	
			For Elevated Installation >15' To 20', Add	3.34	
			For Elevated Installation >20' To 25', Add	4.18	
			For Elevated Installation >25' To 30', Add	5.85	
			For Elevated Installation >30' To 35', Add	6.68	
			For Elevated Installation >35' To 40', Add	8.35	
			For Elevated Installation >40', Add	9.19	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.01	
26 05 33	13-0278	EA	1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	22.79	9.67
			For Work In Restricted Working Space, Add	5.80	
			For Elevated Installation >10' To 15', Add	1.93	
			For Elevated Installation >15' To 20', Add	3.87	
			For Elevated Installation >20' To 25', Add	4.84	
			For Elevated Installation >25' To 30', Add	6.77	
			For Elevated Installation >30' To 35', Add	7.74	
			For Elevated Installation >35' To 40', Add	9.67	
			For Elevated Installation >40', Add	10.64	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.80	
26 05 33	13-0279	EA	1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	26.21	11.00
			For Work In Restricted Working Space, Add	6.59	
			For Elevated Installation >10' To 15', Add	2.20	
			For Elevated Installation >15' To 20', Add	4.40	
			For Elevated Installation >20' To 25', Add	5.50	
			For Elevated Installation >25' To 30', Add	7.69	
			For Elevated Installation >30' To 35', Add	8.79	
			For Elevated Installation >35' To 40', Add	10.99	
			For Elevated Installation >40', Add	12.09	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.59	
26 05 33	13-0280	EA	2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	30.36	12.31
			For Work In Restricted Working Space, Add	7.39	
			For Elevated Installation >10' To 15', Add	2.46	
			For Elevated Installation >15' To 20', Add	4.92	
			For Elevated Installation >20' To 25', Add	6.16	
			For Elevated Installation >25' To 30', Add	8.62	
			For Elevated Installation >30' To 35', Add	9.85	
			For Elevated Installation >35' To 40', Add	12.31	
			For Elevated Installation >40', Add	13.54	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.39	
26 05 33	13-0281	EA	2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	41.72	14.95
			For Work In Restricted Working Space, Add	8.97	
			For Elevated Installation >10' To 15', Add	2.99	
			For Elevated Installation >15' To 20', Add	5.98	
			For Elevated Installation >20' To 25', Add	7.48	
			For Elevated Installation >25' To 30', Add	10.47	
			For Elevated Installation >30' To 35', Add	11.96	
			For Elevated Installation >35' To 40', Add	14.95	
			For Elevated Installation >40', Add	16.45	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.97	
26 05 33	13-0282	EA	3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	55.44	20.67
			For Work In Restricted Working Space, Add	12.40	
			For Elevated Installation >10' To 15', Add	4.13	
			For Elevated Installation >15' To 20', Add	8.26	
			For Elevated Installation >20' To 25', Add	10.33	
			For Elevated Installation >25' To 30', Add	14.46	
			For Elevated Installation >30' To 35', Add	16.53	
			For Elevated Installation >35' To 40', Add	20.66	
			For Elevated Installation >40', Add	22.73	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.40	
26 05 33	13-0283	EA	3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	63.35	23.30
			For Work In Restricted Working Space, Add	13.98	
			For Elevated Installation >10' To 15', Add	4.66	
			For Elevated Installation >15' To 20', Add	9.32	
			For Elevated Installation >20' To 25', Add	11.65	
			For Elevated Installation >25' To 30', Add	16.31	
			For Elevated Installation >30' To 35', Add	18.64	
			For Elevated Installation >35' To 40', Add	23.30	
			For Elevated Installation >40', Add	25.63	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.98	
26 05 33	13-0284	EA	4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	80.13	30.34
			For Work In Restricted Working Space, Add	18.20	
			For Elevated Installation >10' To 15', Add	6.07	
			For Elevated Installation >15' To 20', Add	12.13	
			For Elevated Installation >20' To 25', Add	15.17	
			For Elevated Installation >25' To 30', Add	21.23	
			For Elevated Installation >30' To 35', Add	24.26	
			For Elevated Installation >35' To 40', Add	30.33	
			For Elevated Installation >40', Add	33.36	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.20	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0285	EA 5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	121.32	41.76
	For Work In Restricted Working Space, Add	25.06	
	For Elevated Installation >10' To 15', Add	8.35	
	For Elevated Installation >15' To 20', Add	16.71	
	For Elevated Installation >20' To 25', Add	20.88	
	For Elevated Installation >25' To 30', Add	29.24	
	For Elevated Installation >30' To 35', Add	33.41	
	For Elevated Installation >35' To 40', Add	41.77	
	For Elevated Installation >40', Add	45.94	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.06	
26 05 33 13-0286	EA 6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	154.26	53.55
	For Work In Restricted Working Space, Add	32.15	
	For Elevated Installation >10' To 15', Add	10.72	
	For Elevated Installation >15' To 20', Add	21.43	
	For Elevated Installation >20' To 25', Add	26.79	
	For Elevated Installation >25' To 30', Add	37.51	
	For Elevated Installation >30' To 35', Add	42.87	
	For Elevated Installation >35' To 40', Add	53.59	
	For Elevated Installation >40', Add	58.94	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.15	
26 05 33 13-0287	EA 1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	13.37	5.72
	For Work In Restricted Working Space, Add	3.43	
	For Elevated Installation >10' To 15', Add	1.14	
	For Elevated Installation >15' To 20', Add	2.29	
	For Elevated Installation >20' To 25', Add	2.86	
	For Elevated Installation >25' To 30', Add	4.00	
	For Elevated Installation >30' To 35', Add	4.57	
	For Elevated Installation >35' To 40', Add	5.72	
	For Elevated Installation >40', Add	6.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.43	
26 05 33 13-0288	EA 3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	15.46	6.59
	For Work In Restricted Working Space, Add	3.96	
	For Elevated Installation >10' To 15', Add	1.32	
	For Elevated Installation >15' To 20', Add	2.64	
	For Elevated Installation >20' To 25', Add	3.30	
	For Elevated Installation >25' To 30', Add	4.62	
	For Elevated Installation >30' To 35', Add	5.28	
	For Elevated Installation >35' To 40', Add	6.60	
	For Elevated Installation >40', Add	7.25	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.96	
26 05 33 13-0289	EA 1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	19.71	8.36
	For Work In Restricted Working Space, Add	5.01	
	For Elevated Installation >10' To 15', Add	1.67	
	For Elevated Installation >15' To 20', Add	3.34	
	For Elevated Installation >20' To 25', Add	4.18	
	For Elevated Installation >25' To 30', Add	5.85	
	For Elevated Installation >30' To 35', Add	6.68	
	For Elevated Installation >35' To 40', Add	8.35	
	For Elevated Installation >40', Add	9.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.01	
26 05 33 13-0290	EA 1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	23.22	9.67
	For Work In Restricted Working Space, Add	5.80	
	For Elevated Installation >10' To 15', Add	1.93	
	For Elevated Installation >15' To 20', Add	3.87	
	For Elevated Installation >20' To 25', Add	4.84	
	For Elevated Installation >25' To 30', Add	6.77	
	For Elevated Installation >30' To 35', Add	7.74	
	For Elevated Installation >35' To 40', Add	9.67	
	For Elevated Installation >40', Add	10.64	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.80	
26 05 33 13-0291	EA 1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	27.18	11.00
	For Work In Restricted Working Space, Add	6.59	
	For Elevated Installation >10' To 15', Add	2.20	
	For Elevated Installation >15' To 20', Add	4.40	
	For Elevated Installation >20' To 25', Add	5.50	
	For Elevated Installation >25' To 30', Add	7.69	
	For Elevated Installation >30' To 35', Add	8.79	
	For Elevated Installation >35' To 40', Add	10.99	
	For Elevated Installation >40', Add	12.09	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.59	
26 05 33 13-0292	EA 2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	31.18	12.31
	For Work In Restricted Working Space, Add	7.39	
	For Elevated Installation >10' To 15', Add	2.46	
	For Elevated Installation >15' To 20', Add	4.92	
	For Elevated Installation >20' To 25', Add	6.16	
	For Elevated Installation >25' To 30', Add	8.62	
	For Elevated Installation >30' To 35', Add	9.85	
	For Elevated Installation >35' To 40', Add	12.31	
	For Elevated Installation >40', Add	13.54	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.39	
26 05 33 13-0293	EA 2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	43.32	14.95
	For Work In Restricted Working Space, Add	8.97	
	For Elevated Installation >10' To 15', Add	2.99	
	For Elevated Installation >15' To 20', Add	5.98	
	For Elevated Installation >20' To 25', Add	7.48	
	For Elevated Installation >25' To 30', Add	10.47	
	For Elevated Installation >30' To 35', Add	11.96	
	For Elevated Installation >35' To 40', Add	14.95	
	For Elevated Installation >40', Add	16.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0294 EA 3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	57.45	20.67
For Work In Restricted Working Space, Add	12.40	
For Elevated Installation >10' To 15', Add	4.13	
For Elevated Installation >15' To 20', Add	8.26	
For Elevated Installation >20' To 25', Add	10.33	
For Elevated Installation >25' To 30', Add	14.46	
For Elevated Installation >30' To 35', Add	16.53	
For Elevated Installation >35' To 40', Add	20.66	
For Elevated Installation >40', Add	22.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.40	
26 05 33 13-0295 EA 3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	65.74	23.30
For Work In Restricted Working Space, Add	13.98	
For Elevated Installation >10' To 15', Add	4.66	
For Elevated Installation >15' To 20', Add	9.32	
For Elevated Installation >20' To 25', Add	11.65	
For Elevated Installation >25' To 30', Add	16.31	
For Elevated Installation >30' To 35', Add	18.64	
For Elevated Installation >35' To 40', Add	23.30	
For Elevated Installation >40', Add	25.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.98	
26 05 33 13-0296 EA 4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	82.40	30.34
For Work In Restricted Working Space, Add	18.20	
For Elevated Installation >10' To 15', Add	6.07	
For Elevated Installation >15' To 20', Add	12.13	
For Elevated Installation >20' To 25', Add	15.17	
For Elevated Installation >25' To 30', Add	21.23	
For Elevated Installation >30' To 35', Add	24.26	
For Elevated Installation >35' To 40', Add	30.33	
For Elevated Installation >40', Add	33.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.20	
26 05 33 13-0297 EA 5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	124.65	41.76
For Work In Restricted Working Space, Add	25.06	
For Elevated Installation >10' To 15', Add	8.35	
For Elevated Installation >15' To 20', Add	16.71	
For Elevated Installation >20' To 25', Add	20.88	
For Elevated Installation >25' To 30', Add	29.24	
For Elevated Installation >30' To 35', Add	33.41	
For Elevated Installation >35' To 40', Add	41.77	
For Elevated Installation >40', Add	45.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.06	
26 05 33 13-0298 EA 6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	159.14	53.55
For Work In Restricted Working Space, Add	32.15	
For Elevated Installation >10' To 15', Add	10.72	
For Elevated Installation >15' To 20', Add	21.43	
For Elevated Installation >20' To 25', Add	26.79	
For Elevated Installation >25' To 30', Add	37.51	
For Elevated Installation >30' To 35', Add	42.87	
For Elevated Installation >35' To 40', Add	53.59	
For Elevated Installation >40', Add	58.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.15	
26 05 33 13-0299 EA 1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	14.53	5.72
For Work In Restricted Working Space, Add	3.43	
For Elevated Installation >10' To 15', Add	1.14	
For Elevated Installation >15' To 20', Add	2.29	
For Elevated Installation >20' To 25', Add	2.86	
For Elevated Installation >25' To 30', Add	4.00	
For Elevated Installation >30' To 35', Add	4.57	
For Elevated Installation >35' To 40', Add	5.72	
For Elevated Installation >40', Add	6.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.43	
26 05 33 13-0300 EA 3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	16.94	6.59
For Work In Restricted Working Space, Add	3.96	
For Elevated Installation >10' To 15', Add	1.32	
For Elevated Installation >15' To 20', Add	2.64	
For Elevated Installation >20' To 25', Add	3.30	
For Elevated Installation >25' To 30', Add	4.62	
For Elevated Installation >30' To 35', Add	5.28	
For Elevated Installation >35' To 40', Add	6.60	
For Elevated Installation >40', Add	7.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.96	
26 05 33 13-0301 EA 1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	21.44	8.36
For Work In Restricted Working Space, Add	5.01	
For Elevated Installation >10' To 15', Add	1.67	
For Elevated Installation >15' To 20', Add	3.34	
For Elevated Installation >20' To 25', Add	4.18	
For Elevated Installation >25' To 30', Add	5.85	
For Elevated Installation >30' To 35', Add	6.68	
For Elevated Installation >35' To 40', Add	8.35	
For Elevated Installation >40', Add	9.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.01	
26 05 33 13-0302 EA 1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	25.69	9.67
For Work In Restricted Working Space, Add	5.80	
For Elevated Installation >10' To 15', Add	1.93	
For Elevated Installation >15' To 20', Add	3.87	
For Elevated Installation >20' To 25', Add	4.84	
For Elevated Installation >25' To 30', Add	6.77	
For Elevated Installation >30' To 35', Add	7.74	
For Elevated Installation >35' To 40', Add	9.67	
For Elevated Installation >40', Add	10.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.80	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0303	EA 1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	29.94	11.00
	For Work In Restricted Working Space, Add	6.59	
	For Elevated Installation >10' To 15', Add	2.20	
	For Elevated Installation >15' To 20', Add	4.40	
	For Elevated Installation >20' To 25', Add	5.50	
	For Elevated Installation >25' To 30', Add	7.69	
	For Elevated Installation >30' To 35', Add	8.79	
	For Elevated Installation >35' To 40', Add	10.99	
	For Elevated Installation >40', Add	12.09	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.59	
26 05 33 13-0304	EA 2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	34.09	12.31
	For Work In Restricted Working Space, Add	7.39	
	For Elevated Installation >10' To 15', Add	2.46	
	For Elevated Installation >15' To 20', Add	4.92	
	For Elevated Installation >20' To 25', Add	6.16	
	For Elevated Installation >25' To 30', Add	8.62	
	For Elevated Installation >30' To 35', Add	9.85	
	For Elevated Installation >35' To 40', Add	12.31	
	For Elevated Installation >40', Add	13.54	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.39	
26 05 33 13-0305	EA 2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	47.55	14.95
	For Work In Restricted Working Space, Add	8.97	
	For Elevated Installation >10' To 15', Add	2.99	
	For Elevated Installation >15' To 20', Add	5.98	
	For Elevated Installation >20' To 25', Add	7.48	
	For Elevated Installation >25' To 30', Add	10.47	
	For Elevated Installation >30' To 35', Add	11.96	
	For Elevated Installation >35' To 40', Add	14.95	
	For Elevated Installation >40', Add	16.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.97	
26 05 33 13-0306	EA 3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	62.31	20.67
	For Work In Restricted Working Space, Add	12.40	
	For Elevated Installation >10' To 15', Add	4.13	
	For Elevated Installation >15' To 20', Add	8.26	
	For Elevated Installation >20' To 25', Add	10.33	
	For Elevated Installation >25' To 30', Add	14.46	
	For Elevated Installation >30' To 35', Add	16.53	
	For Elevated Installation >35' To 40', Add	20.66	
	For Elevated Installation >40', Add	22.73	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.40	
26 05 33 13-0307	EA 3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	70.59	23.30
	For Work In Restricted Working Space, Add	13.98	
	For Elevated Installation >10' To 15', Add	4.66	
	For Elevated Installation >15' To 20', Add	9.32	
	For Elevated Installation >20' To 25', Add	11.65	
	For Elevated Installation >25' To 30', Add	16.31	
	For Elevated Installation >30' To 35', Add	18.64	
	For Elevated Installation >35' To 40', Add	23.30	
	For Elevated Installation >40', Add	25.63	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.98	
26 05 33 13-0308	EA 4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	87.75	30.34
	For Work In Restricted Working Space, Add	18.20	
	For Elevated Installation >10' To 15', Add	6.07	
	For Elevated Installation >15' To 20', Add	12.13	
	For Elevated Installation >20' To 25', Add	15.17	
	For Elevated Installation >25' To 30', Add	21.23	
	For Elevated Installation >30' To 35', Add	24.26	
	For Elevated Installation >35' To 40', Add	30.33	
	For Elevated Installation >40', Add	33.36	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.20	
26 05 33 13-0309	EA 5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	132.37	41.76
	For Work In Restricted Working Space, Add	25.06	
	For Elevated Installation >10' To 15', Add	8.35	
	For Elevated Installation >15' To 20', Add	16.71	
	For Elevated Installation >20' To 25', Add	20.88	
	For Elevated Installation >25' To 30', Add	29.24	
	For Elevated Installation >30' To 35', Add	33.41	
	For Elevated Installation >35' To 40', Add	41.77	
	For Elevated Installation >40', Add	45.94	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.06	
26 05 33 13-0310	EA 6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	167.81	53.55
	For Work In Restricted Working Space, Add	32.15	
	For Elevated Installation >10' To 15', Add	10.72	
	For Elevated Installation >15' To 20', Add	21.43	
	For Elevated Installation >20' To 25', Add	26.79	
	For Elevated Installation >25' To 30', Add	37.51	
	For Elevated Installation >30' To 35', Add	42.87	
	For Elevated Installation >35' To 40', Add	53.59	
	For Elevated Installation >40', Add	58.94	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.15	
26 05 33 13-0311	EA 1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple .....	15.30	5.72
	For Work In Restricted Working Space, Add	3.43	
	For Elevated Installation >10' To 15', Add	1.14	
	For Elevated Installation >15' To 20', Add	2.29	
	For Elevated Installation >20' To 25', Add	2.86	
	For Elevated Installation >25' To 30', Add	4.00	
	For Elevated Installation >30' To 35', Add	4.57	
	For Elevated Installation >35' To 40', Add	5.72	
	For Elevated Installation >40', Add	6.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 05 33	13-0312	EA	3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.69 3.96 1.32 2.64 3.30 4.62 5.28 6.60 7.25 3.96	6.59
26 05 33	13-0313	EA	1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.82 5.01 1.67 3.34 4.18 5.85 6.68 8.35 9.19 5.01	8.36
26 05 33	13-0314	EA	1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.33 5.80 1.93 3.87 4.84 6.77 7.74 9.67 10.64 5.80	9.67
26 05 33	13-0315	EA	1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.55 6.59 2.20 4.40 5.50 7.69 8.79 10.99 12.09 6.59	11.00
26 05 33	13-0316	EA	2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.96 7.39 2.46 4.92 6.16 8.62 9.85 12.31 13.54 7.39	12.31
26 05 33	13-0317	EA	2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.39 8.97 2.99 5.98 7.48 10.47 11.96 14.95 16.45 8.97	14.95
26 05 33	13-0318	EA	3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.12 12.40 4.13 8.26 10.33 14.46 16.53 20.66 22.73 12.40	20.67
26 05 33	13-0319	EA	3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.62 13.98 4.66 9.32 11.65 16.31 18.64 23.30 25.63 13.98	23.30
26 05 33	13-0320	EA	4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.12 18.20 6.07 12.13 15.17 21.23 24.26 30.33 33.36 18.20	30.34

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0321	EA 5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple .....	140.79	41.76
	For Work In Restricted Working Space, Add	25.06	
	For Elevated Installation >10' To 15', Add	8.35	
	For Elevated Installation >15' To 20', Add	16.71	
	For Elevated Installation >20' To 25', Add	20.88	
	For Elevated Installation >25' To 30', Add	29.24	
	For Elevated Installation >30' To 35', Add	33.41	
	For Elevated Installation >35' To 40', Add	41.77	
	For Elevated Installation >40', Add	45.94	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.06	
26 05 33 13-0322	EA 6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple .....	182.95	53.55
	For Work In Restricted Working Space, Add	32.15	
	For Elevated Installation >10' To 15', Add	10.72	
	For Elevated Installation >15' To 20', Add	21.43	
	For Elevated Installation >20' To 25', Add	26.79	
	For Elevated Installation >25' To 30', Add	37.51	
	For Elevated Installation >30' To 35', Add	42.87	
	For Elevated Installation >35' To 40', Add	53.59	
	For Elevated Installation >40', Add	58.94	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.15	
26 05 33 13-0323	EA 1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	15.90	5.72
	For Work In Restricted Working Space, Add	3.43	
	For Elevated Installation >10' To 15', Add	1.14	
	For Elevated Installation >15' To 20', Add	2.29	
	For Elevated Installation >20' To 25', Add	2.86	
	For Elevated Installation >25' To 30', Add	4.00	
	For Elevated Installation >30' To 35', Add	4.57	
	For Elevated Installation >35' To 40', Add	5.72	
	For Elevated Installation >40', Add	6.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.43	
26 05 33 13-0324	EA 3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	18.25	6.59
	For Work In Restricted Working Space, Add	3.96	
	For Elevated Installation >10' To 15', Add	1.32	
	For Elevated Installation >15' To 20', Add	2.64	
	For Elevated Installation >20' To 25', Add	3.30	
	For Elevated Installation >25' To 30', Add	4.62	
	For Elevated Installation >30' To 35', Add	5.28	
	For Elevated Installation >35' To 40', Add	6.60	
	For Elevated Installation >40', Add	7.25	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.96	
26 05 33 13-0325	EA 1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	23.65	8.36
	For Work In Restricted Working Space, Add	5.01	
	For Elevated Installation >10' To 15', Add	1.67	
	For Elevated Installation >15' To 20', Add	3.34	
	For Elevated Installation >20' To 25', Add	4.18	
	For Elevated Installation >25' To 30', Add	5.85	
	For Elevated Installation >30' To 35', Add	6.68	
	For Elevated Installation >35' To 40', Add	8.35	
	For Elevated Installation >40', Add	9.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.01	
26 05 33 13-0326	EA 1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	28.65	9.67
	For Work In Restricted Working Space, Add	5.80	
	For Elevated Installation >10' To 15', Add	1.93	
	For Elevated Installation >15' To 20', Add	3.87	
	For Elevated Installation >20' To 25', Add	4.84	
	For Elevated Installation >25' To 30', Add	6.77	
	For Elevated Installation >30' To 35', Add	7.74	
	For Elevated Installation >35' To 40', Add	9.67	
	For Elevated Installation >40', Add	10.64	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.80	
26 05 33 13-0327	EA 1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	32.36	11.00
	For Work In Restricted Working Space, Add	6.59	
	For Elevated Installation >10' To 15', Add	2.20	
	For Elevated Installation >15' To 20', Add	4.40	
	For Elevated Installation >20' To 25', Add	5.50	
	For Elevated Installation >25' To 30', Add	7.69	
	For Elevated Installation >30' To 35', Add	8.79	
	For Elevated Installation >35' To 40', Add	10.99	
	For Elevated Installation >40', Add	12.09	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.59	
26 05 33 13-0328	EA 2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	37.53	12.31
	For Work In Restricted Working Space, Add	7.39	
	For Elevated Installation >10' To 15', Add	2.46	
	For Elevated Installation >15' To 20', Add	4.92	
	For Elevated Installation >20' To 25', Add	6.16	
	For Elevated Installation >25' To 30', Add	8.62	
	For Elevated Installation >30' To 35', Add	9.85	
	For Elevated Installation >35' To 40', Add	12.31	
	For Elevated Installation >40', Add	13.54	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.39	
26 05 33 13-0329	EA 2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	53.74	14.95
	For Work In Restricted Working Space, Add	8.97	
	For Elevated Installation >10' To 15', Add	2.99	
	For Elevated Installation >15' To 20', Add	5.98	
	For Elevated Installation >20' To 25', Add	7.48	
	For Elevated Installation >25' To 30', Add	10.47	
	For Elevated Installation >30' To 35', Add	11.96	
	For Elevated Installation >35' To 40', Add	14.95	
	For Elevated Installation >40', Add	16.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0330	EA	3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.44 12.40 4.13 8.26 10.33 14.46 16.53 20.66 22.73 12.40	20.67
26 05 33	13-0331	EA	3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.51 13.98 4.66 9.32 11.65 16.31 18.64 23.30 25.63 13.98	23.30
26 05 33	13-0332	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.50 18.20 6.07 12.13 15.17 21.23 24.26 30.33 33.36 18.20	30.34
26 05 33	13-0333	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	152.89 25.06 8.35 16.71 20.88 29.24 33.41 41.77 45.94 25.06	41.76
26 05 33	13-0334	EA	6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.37 32.15 10.72 21.43 26.79 37.51 42.87 53.59 58.94 32.15	53.55
<b>26 05 33 13-0335 Rigid Galvanized Steel (RGS) Off-Set Nipples (26 05 33 13-0059)</b>					
26 05 33	13-0336	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56 3.46 1.15 2.30 2.88 4.03 4.61 5.76 6.34 3.46	4.57
26 05 33	13-0337	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.24 3.94 1.31 2.62 3.28 4.59 5.25 6.56 7.22 3.94	5.28
26 05 33	13-0338	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.34 5.03 1.68 3.35 4.19 5.87 6.71 8.39 9.22 5.03	6.68

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0339	EA 1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	25.86	8.01
	<i>For Work In Restricted Working Space, Add</i>	6.03	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.01	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	4.02	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	5.03	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	7.04	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	8.04	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	10.05	
	<i>For Elevated Installation &gt;40', Add</i>	11.06	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.03	
26 05 33 13-0340	EA 1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	28.32	8.79
	<i>For Work In Restricted Working Space, Add</i>	6.60	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.20	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	4.40	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	5.50	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	7.70	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	8.80	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	11.00	
	<i>For Elevated Installation &gt;40', Add</i>	12.10	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 05 33 13-0341	EA 2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	37.14	10.81
	<i>For Work In Restricted Working Space, Add</i>	8.13	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.71	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	5.42	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	6.78	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	9.49	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	10.84	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	13.55	
	<i>For Elevated Installation &gt;40', Add</i>	14.91	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	
26 05 33 13-0342	EA 2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	60.69	17.59
	<i>For Work In Restricted Working Space, Add</i>	13.19	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.40	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	8.79	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	10.99	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	15.39	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	17.58	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	21.98	
	<i>For Elevated Installation &gt;40', Add</i>	24.18	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.19	
26 05 33 13-0343	EA 3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	98.67	24.27
	<i>For Work In Restricted Working Space, Add</i>	18.20	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	6.07	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	12.13	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	15.17	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	21.23	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	24.27	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	30.34	
	<i>For Elevated Installation &gt;40', Add</i>	33.37	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.20	
26 05 33 13-0344	EA 3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	122.57	28.66
	<i>For Work In Restricted Working Space, Add</i>	21.38	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	7.13	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	14.25	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	17.82	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	24.94	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	28.51	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	35.64	
	<i>For Elevated Installation &gt;40', Add</i>	39.20	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.38	
26 05 33 13-0345	EA 4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	147.20	33.07
	<i>For Work In Restricted Working Space, Add</i>	24.80	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	8.27	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	16.53	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	20.67	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	28.93	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	33.06	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	41.33	
	<i>For Elevated Installation &gt;40', Add</i>	45.46	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.80	

**26 05 33 13-0346 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (26 05 33 13-0059)**

Note: Erickson fittings.

26 05 33 13-0347	EA 1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....	36.81	14.06
	<i>For Work In Restricted Working Space, Add</i>	10.56	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
	<i>For Elevated Installation &gt;40', Add</i>	19.37	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0348	EA 3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	41.35	15.74
		For Work In Restricted Working Space, Add	11.79	
		For Elevated Installation >10' To 15', Add	3.93	
		For Elevated Installation >15' To 20', Add	7.86	
		For Elevated Installation >20' To 25', Add	9.83	
		For Elevated Installation >25' To 30', Add	13.76	
		For Elevated Installation >30' To 35', Add	15.72	
		For Elevated Installation >35' To 40', Add	19.65	
		For Elevated Installation >40', Add	21.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.79	
26 05 33	13-0349	EA 1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	47.57	17.50
		For Work In Restricted Working Space, Add	13.13	
		For Elevated Installation >10' To 15', Add	4.38	
		For Elevated Installation >15' To 20', Add	8.76	
		For Elevated Installation >20' To 25', Add	10.95	
		For Elevated Installation >25' To 30', Add	15.32	
		For Elevated Installation >30' To 35', Add	17.51	
		For Elevated Installation >35' To 40', Add	21.89	
		For Elevated Installation >40', Add	24.08	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.13	
26 05 33	13-0350	EA 1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	55.99	19.17
		For Work In Restricted Working Space, Add	14.37	
		For Elevated Installation >10' To 15', Add	4.79	
		For Elevated Installation >15' To 20', Add	9.58	
		For Elevated Installation >20' To 25', Add	11.98	
		For Elevated Installation >25' To 30', Add	16.77	
		For Elevated Installation >30' To 35', Add	19.16	
		For Elevated Installation >35' To 40', Add	23.96	
		For Elevated Installation >40', Add	26.35	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.37	
26 05 33	13-0351	EA 1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	62.09	20.93
		For Work In Restricted Working Space, Add	15.72	
		For Elevated Installation >10' To 15', Add	5.24	
		For Elevated Installation >15' To 20', Add	10.48	
		For Elevated Installation >20' To 25', Add	13.10	
		For Elevated Installation >25' To 30', Add	18.34	
		For Elevated Installation >30' To 35', Add	20.96	
		For Elevated Installation >35' To 40', Add	26.21	
		For Elevated Installation >40', Add	28.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.72	
26 05 33	13-0352	EA 2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	76.16	22.68
		For Work In Restricted Working Space, Add	17.03	
		For Elevated Installation >10' To 15', Add	5.68	
		For Elevated Installation >15' To 20', Add	11.35	
		For Elevated Installation >20' To 25', Add	14.19	
		For Elevated Installation >25' To 30', Add	19.87	
		For Elevated Installation >30' To 35', Add	22.70	
		For Elevated Installation >35' To 40', Add	28.38	
		For Elevated Installation >40', Add	31.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.03	
26 05 33	13-0353	EA 2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	115.27	28.14
		For Work In Restricted Working Space, Add	21.10	
		For Elevated Installation >10' To 15', Add	7.03	
		For Elevated Installation >15' To 20', Add	14.07	
		For Elevated Installation >20' To 25', Add	17.59	
		For Elevated Installation >25' To 30', Add	24.62	
		For Elevated Installation >30' To 35', Add	28.14	
		For Elevated Installation >35' To 40', Add	35.17	
		For Elevated Installation >40', Add	38.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.10	
26 05 33	13-0354	EA 3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	156.12	35.17
		For Work In Restricted Working Space, Add	26.38	
		For Elevated Installation >10' To 15', Add	8.79	
		For Elevated Installation >15' To 20', Add	17.59	
		For Elevated Installation >20' To 25', Add	21.98	
		For Elevated Installation >25' To 30', Add	30.78	
		For Elevated Installation >30' To 35', Add	35.17	
		For Elevated Installation >35' To 40', Add	43.97	
		For Elevated Installation >40', Add	48.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.38	
26 05 33	13-0355	EA 3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	219.14	42.21
		For Work In Restricted Working Space, Add	31.67	
		For Elevated Installation >10' To 15', Add	10.56	
		For Elevated Installation >15' To 20', Add	21.11	
		For Elevated Installation >20' To 25', Add	26.39	
		For Elevated Installation >25' To 30', Add	36.95	
		For Elevated Installation >30' To 35', Add	42.22	
		For Elevated Installation >35' To 40', Add	52.78	
		For Elevated Installation >40', Add	58.06	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.67	
26 05 33	13-0356	EA 4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	247.87	45.73
		For Work In Restricted Working Space, Add	34.29	
		For Elevated Installation >10' To 15', Add	11.43	
		For Elevated Installation >15' To 20', Add	22.86	
		For Elevated Installation >20' To 25', Add	28.58	
		For Elevated Installation >25' To 30', Add	40.01	
		For Elevated Installation >30' To 35', Add	45.72	
		For Elevated Installation >35' To 40', Add	57.15	
		For Elevated Installation >40', Add	62.87	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.29	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0357	EA 5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	414.80	56.28
	<i>For Work In Restricted Working Space, Add</i>	42.20	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	14.07	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	28.14	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	35.17	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	49.24	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	56.27	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	70.34	
	<i>For Elevated Installation &gt;40', Add</i>	77.37	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.20	
26 05 33 13-0358	EA 6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	528.04	65.07
	<i>For Work In Restricted Working Space, Add</i>	48.80	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	16.27	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	32.53	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	40.67	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	56.93	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	65.06	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	81.33	
	<i>For Elevated Installation &gt;40', Add</i>	89.46	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.80	
<b>26 05 33 13-0359 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT)</b>			
<b>Connectors <small>(26 05 33 13-0059)</small></b>			
26 05 33 13-0360	EA 1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	23.07	7.03
	<i>For Work In Restricted Working Space, Add</i>	5.28	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.76	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	3.52	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	4.40	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	6.16	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	7.04	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	8.80	
	<i>For Elevated Installation &gt;40', Add</i>	9.67	
26 05 33 13-0361	EA 3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	25.82	7.73
	<i>For Work In Restricted Working Space, Add</i>	5.80	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.93	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	3.87	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	4.84	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	6.77	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	7.74	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	9.67	
	<i>For Elevated Installation &gt;40', Add</i>	10.64	
26 05 33 13-0362	EA 1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	29.70	8.79
	<i>For Work In Restricted Working Space, Add</i>	6.59	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.20	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	4.40	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	5.50	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	7.69	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	8.79	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	10.99	
	<i>For Elevated Installation &gt;40', Add</i>	12.09	
26 05 33 13-0363	EA 1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	33.93	9.50
	<i>For Work In Restricted Working Space, Add</i>	7.12	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.37	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	4.75	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	5.94	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	8.31	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	9.50	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	11.87	
	<i>For Elevated Installation &gt;40', Add</i>	13.06	
26 05 33 13-0364	EA 1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	40.58	10.55
	<i>For Work In Restricted Working Space, Add</i>	7.91	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.64	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	5.28	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	6.60	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	9.23	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	10.55	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	13.19	
	<i>For Elevated Installation &gt;40', Add</i>	14.51	
26 05 33 13-0365	EA 2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	50.01	11.61
	<i>For Work In Restricted Working Space, Add</i>	8.71	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.90	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	5.80	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	7.26	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	10.16	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	11.61	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	14.51	
	<i>For Elevated Installation &gt;40', Add</i>	15.96	
26 05 33 13-0366	EA 2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	68.82	14.06
	<i>For Work In Restricted Working Space, Add</i>	10.55	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	7.03	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	8.79	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	12.31	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	14.07	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	17.59	
	<i>For Elevated Installation &gt;40', Add</i>	19.34	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0367	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	85.03	17.59
			<i>For Work In Restricted Working Space, Add</i>	13.19	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.99	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.59	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.99	
			<i>For Elevated Installation &gt;40', Add</i>	24.18	
26 05 33	13-0368	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	102.15	21.11
			<i>For Work In Restricted Working Space, Add</i>	15.83	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.28	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.47	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.10	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.38	
			<i>For Elevated Installation &gt;40', Add</i>	29.02	
26 05 33	13-0369	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	115.81	22.86
			<i>For Work In Restricted Working Space, Add</i>	17.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
			<i>For Elevated Installation &gt;40', Add</i>	31.43	
<b>26 05 33 13-0370 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs</b> <small>(26 05 33 13-0059)</small>					
26 05 33	13-0371	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	18.65	7.92
			<i>For Work In Restricted Working Space, Add</i>	4.75	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.58	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.17	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.96	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.33	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.92	
			<i>For Elevated Installation &gt;40', Add</i>	8.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.75	
26 05 33	13-0372	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	20.77	8.79
			<i>For Work In Restricted Working Space, Add</i>	5.28	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.76	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.52	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.40	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.16	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.80	
			<i>For Elevated Installation &gt;40', Add</i>	9.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.28	
26 05 33	13-0373	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	25.72	11.00
			<i>For Work In Restricted Working Space, Add</i>	6.59	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.20	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.40	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.69	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.79	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.99	
			<i>For Elevated Installation &gt;40', Add</i>	12.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 05 33	13-0374	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	31.46	13.19
			<i>For Work In Restricted Working Space, Add</i>	7.91	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.64	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.23	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.19	
			<i>For Elevated Installation &gt;40', Add</i>	14.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.91	
26 05 33	13-0375	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	40.75	17.59
			<i>For Work In Restricted Working Space, Add</i>	10.55	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.03	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.79	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.31	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.59	
			<i>For Elevated Installation &gt;40', Add</i>	19.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.55	
26 05 33	13-0376	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	47.02	19.78
			<i>For Work In Restricted Working Space, Add</i>	11.87	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.96	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.91	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.89	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.83	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.79	
			<i>For Elevated Installation &gt;40', Add</i>	21.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.87	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0377	EA	2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	56.63	21.98
			<i>For Work In Restricted Working Space, Add</i>	13.19	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.99	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.59	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.99	
			<i>For Elevated Installation &gt;40', Add</i>	24.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.19	
26 05 33	13-0378	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	75.24	27.70
			<i>For Work In Restricted Working Space, Add</i>	16.62	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.85	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	27.70	
			<i>For Elevated Installation &gt;40', Add</i>	30.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.62	
26 05 33	13-0379	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	89.60	33.42
			<i>For Work In Restricted Working Space, Add</i>	20.05	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.68	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.36	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.71	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.73	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.41	
			<i>For Elevated Installation &gt;40', Add</i>	36.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.05	
26 05 33	13-0380	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	109.17	39.57
			<i>For Work In Restricted Working Space, Add</i>	23.74	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.91	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.83	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.79	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.70	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.66	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.57	
			<i>For Elevated Installation &gt;40', Add</i>	43.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.74	
26 05 33	13-0381		<b>Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement</b> <small>(26 05 33 13-0059)</small>		
			Note: Type AX		
26 05 33	13-0382	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	99.24	14.06
			<i>For Work In Restricted Working Space, Add</i>	10.55	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.31	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.59	
			<i>For Elevated Installation &gt;40', Add</i>	19.35	
26 05 33	13-0383	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	112.70	15.83
			<i>For Work In Restricted Working Space, Add</i>	11.87	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.96	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.91	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.89	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.83	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.79	
			<i>For Elevated Installation &gt;40', Add</i>	21.76	
26 05 33	13-0384	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	133.93	17.59
			<i>For Work In Restricted Working Space, Add</i>	13.19	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.99	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.59	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.99	
			<i>For Elevated Installation &gt;40', Add</i>	24.18	
26 05 33	13-0385	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	164.89	19.34
			<i>For Work In Restricted Working Space, Add</i>	14.51	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.84	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.18	
			<i>For Elevated Installation &gt;40', Add</i>	26.60	
26 05 33	13-0386	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	208.49	21.11
			<i>For Work In Restricted Working Space, Add</i>	15.83	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.28	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.47	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.10	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.38	
			<i>For Elevated Installation &gt;40', Add</i>	29.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0387	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	290.74	22.86
			<i>For Work In Restricted Working Space, Add</i>	17.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
			<i>For Elevated Installation &gt;40', Add</i>	31.43	
26 05 33	13-0388	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	447.95	28.14
			<i>For Work In Restricted Working Space, Add</i>	21.10	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.03	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.07	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.59	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.14	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.17	
			<i>For Elevated Installation &gt;40', Add</i>	38.69	
26 05 33	13-0389	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	574.28	35.17
			<i>For Work In Restricted Working Space, Add</i>	26.38	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.79	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.59	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.98	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	30.78	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	35.17	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	43.97	
			<i>For Elevated Installation &gt;40', Add</i>	48.36	
26 05 33	13-0390	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	842.02	42.21
			<i>For Work In Restricted Working Space, Add</i>	31.66	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.55	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.38	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	36.94	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.21	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	52.77	
			<i>For Elevated Installation &gt;40', Add</i>	58.04	
26 05 33	13-0391	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	897.29	45.73
			<i>For Work In Restricted Working Space, Add</i>	34.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.43	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	40.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	57.15	
			<i>For Elevated Installation &gt;40', Add</i>	62.87	
26 05 33	13-0392	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	1,379.89	56.28
			<i>For Work In Restricted Working Space, Add</i>	42.21	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.07	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	28.14	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	35.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	49.24	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	56.28	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	70.35	
			<i>For Elevated Installation &gt;40', Add</i>	77.38	
26 05 33	13-0393	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	1,697.77	62.43
			<i>For Work In Restricted Working Space, Add</i>	46.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.62	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	31.23	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	39.04	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	54.66	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	62.47	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	78.09	
			<i>For Elevated Installation &gt;40', Add</i>	85.89	
26 05 33	13-0394		<b>Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement</b> <sup>(26 05</sup>		
			<sup>33 13-0059)</sup>		
			Note: Type AX-8		
26 05 33	13-0395	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	109.95	14.06
			<i>For Work In Restricted Working Space, Add</i>	10.55	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.31	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.59	
			<i>For Elevated Installation &gt;40', Add</i>	19.35	
26 05 33	13-0396	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	122.18	15.83
			<i>For Work In Restricted Working Space, Add</i>	11.87	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.96	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.91	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.89	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.83	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.79	
			<i>For Elevated Installation &gt;40', Add</i>	21.76	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0397	EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	148.82	17.59
	<i>For Work In Restricted Working Space, Add</i>	13.19	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.40	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	8.79	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	10.99	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	15.39	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	17.59	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	21.99	
	<i>For Elevated Installation &gt;40', Add</i>	24.18	
26 05 33 13-0398	EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	188.33	19.34
	<i>For Work In Restricted Working Space, Add</i>	14.51	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.84	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	9.67	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	12.09	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	16.93	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	19.34	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	24.18	
	<i>For Elevated Installation &gt;40', Add</i>	26.60	
26 05 33 13-0399	EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	255.08	21.11
	<i>For Work In Restricted Working Space, Add</i>	15.83	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	5.28	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	10.55	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	13.19	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	18.47	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	21.10	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	26.38	
	<i>For Elevated Installation &gt;40', Add</i>	29.02	
26 05 33 13-0400	EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	313.00	22.86
	<i>For Work In Restricted Working Space, Add</i>	17.15	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
	<i>For Elevated Installation &gt;40', Add</i>	31.43	
26 05 33 13-0401	EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	592.28	28.14
	<i>For Work In Restricted Working Space, Add</i>	21.10	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	7.03	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	14.07	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	17.59	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	24.62	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	28.14	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	35.17	
	<i>For Elevated Installation &gt;40', Add</i>	38.69	
26 05 33 13-0402	EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	672.83	35.17
	<i>For Work In Restricted Working Space, Add</i>	26.38	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	8.79	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	17.59	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	21.98	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	30.78	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	35.17	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	43.97	
	<i>For Elevated Installation &gt;40', Add</i>	48.36	
26 05 33 13-0403	EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,036.78	42.21
	<i>For Work In Restricted Working Space, Add</i>	31.66	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	10.55	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	21.11	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	26.38	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	36.94	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	42.21	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	52.77	
	<i>For Elevated Installation &gt;40', Add</i>	58.04	
26 05 33 13-0404	EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,122.40	45.73
	<i>For Work In Restricted Working Space, Add</i>	34.29	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	11.43	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	22.86	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	28.58	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	40.01	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	45.72	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	57.15	
	<i>For Elevated Installation &gt;40', Add</i>	62.87	
26 05 33 13-0405	EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,569.65	56.28
	<i>For Work In Restricted Working Space, Add</i>	42.21	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	14.07	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	28.14	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	35.17	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	49.24	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	56.28	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	70.35	
	<i>For Elevated Installation &gt;40', Add</i>	77.38	
26 05 33 13-0406	EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,941.90	62.43
	<i>For Work In Restricted Working Space, Add</i>	46.85	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	15.62	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	31.23	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	39.04	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	54.66	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	62.47	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	78.09	
	<i>For Elevated Installation &gt;40', Add</i>	85.89	

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

**26 05 33 13-0407 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement** (26 05 33 13-0059)

Note: Type EX

26 05 33 13-0408	EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	125.62	14.06
	<i>For Work In Restricted Working Space, Add</i>	<i>10.55</i>	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	<i>3.52</i>	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	<i>7.04</i>	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	<i>8.80</i>	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	<i>12.31</i>	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	<i>14.07</i>	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	<i>17.59</i>	
	<i>For Elevated Installation &gt;40', Add</i>	<i>19.35</i>	
26 05 33 13-0409	EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	159.14	15.83
	<i>For Work In Restricted Working Space, Add</i>	<i>11.87</i>	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	<i>3.96</i>	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	<i>7.91</i>	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	<i>9.89</i>	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	<i>13.85</i>	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	<i>15.83</i>	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	<i>19.79</i>	
	<i>For Elevated Installation &gt;40', Add</i>	<i>21.76</i>	
26 05 33 13-0410	EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	198.74	17.59
	<i>For Work In Restricted Working Space, Add</i>	<i>13.19</i>	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	<i>4.40</i>	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	<i>8.79</i>	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	<i>10.99</i>	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	<i>15.39</i>	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	<i>17.59</i>	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	<i>21.99</i>	
	<i>For Elevated Installation &gt;40', Add</i>	<i>24.18</i>	
26 05 33 13-0411	EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	242.39	19.34
	<i>For Work In Restricted Working Space, Add</i>	<i>14.51</i>	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	<i>4.84</i>	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	<i>9.67</i>	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	<i>12.09</i>	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	<i>16.93</i>	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	<i>19.34</i>	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	<i>24.18</i>	
	<i>For Elevated Installation &gt;40', Add</i>	<i>26.60</i>	
26 05 33 13-0412	EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	328.28	21.11
	<i>For Work In Restricted Working Space, Add</i>	<i>15.83</i>	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	<i>5.28</i>	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	<i>10.55</i>	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	<i>13.19</i>	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	<i>18.47</i>	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	<i>21.10</i>	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	<i>26.38</i>	
	<i>For Elevated Installation &gt;40', Add</i>	<i>29.02</i>	
26 05 33 13-0413	EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	454.45	22.86
	<i>For Work In Restricted Working Space, Add</i>	<i>17.15</i>	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	<i>5.72</i>	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	<i>11.43</i>	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	<i>14.29</i>	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	<i>20.00</i>	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	<i>22.86</i>	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	<i>28.58</i>	
	<i>For Elevated Installation &gt;40', Add</i>	<i>31.43</i>	
26 05 33 13-0414	EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	708.72	28.14
	<i>For Work In Restricted Working Space, Add</i>	<i>21.10</i>	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	<i>7.03</i>	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	<i>14.07</i>	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	<i>17.59</i>	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	<i>24.62</i>	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	<i>28.14</i>	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	<i>35.17</i>	
	<i>For Elevated Installation &gt;40', Add</i>	<i>38.69</i>	
26 05 33 13-0415	EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	956.35	35.17
	<i>For Work In Restricted Working Space, Add</i>	<i>26.38</i>	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	<i>8.79</i>	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	<i>17.59</i>	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	<i>21.98</i>	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	<i>30.78</i>	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	<i>35.17</i>	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	<i>43.97</i>	
	<i>For Elevated Installation &gt;40', Add</i>	<i>48.36</i>	
26 05 33 13-0416	EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,440.05	42.21
	<i>For Work In Restricted Working Space, Add</i>	<i>31.66</i>	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	<i>10.55</i>	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	<i>21.11</i>	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	<i>26.38</i>	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	<i>36.94</i>	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	<i>42.21</i>	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	<i>52.77</i>	
	<i>For Elevated Installation &gt;40', Add</i>	<i>58.04</i>	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0417	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,489.71	45.73
			<i>For Work In Restricted Working Space, Add</i>	34.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.43	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	40.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	57.15	
			<i>For Elevated Installation &gt;40', Add</i>	62.87	
26 05 33	13-0418	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,246.73	56.28
			<i>For Work In Restricted Working Space, Add</i>	42.21	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.07	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	28.14	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	35.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	49.24	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	56.28	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	70.35	
			<i>For Elevated Installation &gt;40', Add</i>	77.38	
26 05 33	13-0419	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,788.04	62.43
			<i>For Work In Restricted Working Space, Add</i>	46.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.62	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	31.23	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	39.04	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	54.66	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	62.47	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	78.09	
			<i>For Elevated Installation &gt;40', Add</i>	85.89	
26 05 33	13-0420		<b>Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings</b> <small>(26 05 33 13-0059)</small>		
			Note: Type DX		
26 05 33	13-0421	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	222.27	14.06
			<i>For Work In Restricted Working Space, Add</i>	10.55	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.31	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.59	
			<i>For Elevated Installation &gt;40', Add</i>	19.35	
26 05 33	13-0422	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	265.13	15.83
			<i>For Work In Restricted Working Space, Add</i>	11.87	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.96	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.91	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.89	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.83	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.79	
			<i>For Elevated Installation &gt;40', Add</i>	21.76	
26 05 33	13-0423	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	321.06	17.59
			<i>For Work In Restricted Working Space, Add</i>	13.19	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.99	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.59	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.99	
			<i>For Elevated Installation &gt;40', Add</i>	24.18	
26 05 33	13-0424	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	377.92	19.34
			<i>For Work In Restricted Working Space, Add</i>	14.51	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.84	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.18	
			<i>For Elevated Installation &gt;40', Add</i>	26.60	
26 05 33	13-0425	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	418.03	21.11
			<i>For Work In Restricted Working Space, Add</i>	15.83	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.28	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.47	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.10	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.38	
			<i>For Elevated Installation &gt;40', Add</i>	29.02	
26 05 33	13-0426	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	517.83	22.86
			<i>For Work In Restricted Working Space, Add</i>	17.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
			<i>For Elevated Installation &gt;40', Add</i>	31.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0427	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	685.19	28.14
			For Work In Restricted Working Space, Add	21.10	
			For Elevated Installation >10' To 15', Add	7.03	
			For Elevated Installation >15' To 20', Add	14.07	
			For Elevated Installation >20' To 25', Add	17.59	
			For Elevated Installation >25' To 30', Add	24.62	
			For Elevated Installation >30' To 35', Add	28.14	
			For Elevated Installation >35' To 40', Add	35.17	
			For Elevated Installation >40', Add	38.69	
26 05 33	13-0428	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	869.15	35.17
			For Work In Restricted Working Space, Add	26.38	
			For Elevated Installation >10' To 15', Add	8.79	
			For Elevated Installation >15' To 20', Add	17.59	
			For Elevated Installation >20' To 25', Add	21.98	
			For Elevated Installation >25' To 30', Add	30.78	
			For Elevated Installation >30' To 35', Add	35.17	
			For Elevated Installation >35' To 40', Add	43.97	
			For Elevated Installation >40', Add	48.36	
26 05 33	13-0429	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	977.00	42.21
			For Work In Restricted Working Space, Add	31.66	
			For Elevated Installation >10' To 15', Add	10.55	
			For Elevated Installation >15' To 20', Add	21.11	
			For Elevated Installation >20' To 25', Add	26.38	
			For Elevated Installation >25' To 30', Add	36.94	
			For Elevated Installation >30' To 35', Add	42.21	
			For Elevated Installation >35' To 40', Add	52.77	
			For Elevated Installation >40', Add	58.04	
26 05 33	13-0430	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	1,186.73	45.73
			For Work In Restricted Working Space, Add	34.29	
			For Elevated Installation >10' To 15', Add	11.43	
			For Elevated Installation >15' To 20', Add	22.86	
			For Elevated Installation >20' To 25', Add	28.58	
			For Elevated Installation >25' To 30', Add	40.01	
			For Elevated Installation >30' To 35', Add	45.72	
			For Elevated Installation >35' To 40', Add	57.15	
			For Elevated Installation >40', Add	62.87	
26 05 33	13-0431	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	2,037.80	56.28
			For Work In Restricted Working Space, Add	42.21	
			For Elevated Installation >10' To 15', Add	14.07	
			For Elevated Installation >15' To 20', Add	28.14	
			For Elevated Installation >20' To 25', Add	35.17	
			For Elevated Installation >25' To 30', Add	49.24	
			For Elevated Installation >30' To 35', Add	56.28	
			For Elevated Installation >35' To 40', Add	70.35	
			For Elevated Installation >40', Add	77.38	
26 05 33	13-0432	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	3,250.09	62.43
			For Work In Restricted Working Space, Add	46.85	
			For Elevated Installation >10' To 15', Add	15.62	
			For Elevated Installation >15' To 20', Add	31.23	
			For Elevated Installation >20' To 25', Add	39.04	
			For Elevated Installation >25' To 30', Add	54.66	
			For Elevated Installation >30' To 35', Add	62.47	
			For Elevated Installation >35' To 40', Add	78.09	
			For Elevated Installation >40', Add	85.89	
<b>26 05 33</b>	<b>13-0433</b>		<b>Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers</b> <small>(26 05 33 13-0059)</small>		
26 05 33	13-0434	EA	1/2" To 3/4" Conduit, 14" Bonding Jumper.....	56.16	7.03
			For Work In Restricted Working Space, Add	5.28	
			For Elevated Installation >10' To 15', Add	1.76	
			For Elevated Installation >15' To 20', Add	3.52	
			For Elevated Installation >20' To 25', Add	4.40	
			For Elevated Installation >25' To 30', Add	6.16	
			For Elevated Installation >30' To 35', Add	7.04	
			For Elevated Installation >35' To 40', Add	8.80	
			For Elevated Installation >40', Add	9.67	
26 05 33	13-0435	EA	1" To 1-1/4" Conduit, 14" Bonding Jumper.....	64.46	8.79
			For Work In Restricted Working Space, Add	6.60	
			For Elevated Installation >10' To 15', Add	2.20	
			For Elevated Installation >15' To 20', Add	4.40	
			For Elevated Installation >20' To 25', Add	5.50	
			For Elevated Installation >25' To 30', Add	7.70	
			For Elevated Installation >30' To 35', Add	8.80	
			For Elevated Installation >35' To 40', Add	11.00	
			For Elevated Installation >40', Add	12.09	
26 05 33	13-0436	EA	1-1/2" To 2" Conduit, 14" Bonding Jumper.....	79.56	10.55
			For Work In Restricted Working Space, Add	7.91	
			For Elevated Installation >10' To 15', Add	2.64	
			For Elevated Installation >15' To 20', Add	5.27	
			For Elevated Installation >20' To 25', Add	6.59	
			For Elevated Installation >25' To 30', Add	9.23	
			For Elevated Installation >30' To 35', Add	10.55	
			For Elevated Installation >35' To 40', Add	13.19	
			For Elevated Installation >40', Add	14.50	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0437	EA 2-1/2" To 3" Conduit, 14" Bonding Jumper.....	112.03	14.06
	<i>For Work In Restricted Working Space, Add</i>	10.55	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	7.03	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	8.79	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	12.31	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	14.07	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	17.59	
	<i>For Elevated Installation &gt;40', Add</i>	19.34	
26 05 33 13-0438	EA 3-1/2" To 4" Conduit, 14" Bonding Jumper.....	169.81	21.11
	<i>For Work In Restricted Working Space, Add</i>	15.83	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	5.28	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	10.55	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	13.19	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	18.47	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	21.10	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	26.38	
	<i>For Elevated Installation &gt;40', Add</i>	29.02	
26 05 33 13-0439	EA 5" To 6" Conduit, 14" Bonding Jumper.....	292.73	28.14
	<i>For Work In Restricted Working Space, Add</i>	21.10	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	7.03	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	14.07	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	17.59	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	24.62	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	28.14	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	35.17	
	<i>For Elevated Installation &gt;40', Add</i>	38.69	
26 05 33 13-0440	EA 1/2" To 3/4" Conduit, 24" Bonding Jumper.....	62.77	7.03
	<i>For Work In Restricted Working Space, Add</i>	5.28	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.76	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	3.52	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	4.40	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	6.16	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	7.04	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	8.80	
	<i>For Elevated Installation &gt;40', Add</i>	9.67	
26 05 33 13-0441	EA 1" To 1-1/4" Conduit, 24" Bonding Jumper.....	72.81	8.79
	<i>For Work In Restricted Working Space, Add</i>	6.60	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.20	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	4.40	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	5.50	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	7.70	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	8.80	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	11.00	
	<i>For Elevated Installation &gt;40', Add</i>	12.09	
26 05 33 13-0442	EA 1-1/2" To 2" Conduit, 24" Bonding Jumper.....	87.20	10.55
	<i>For Work In Restricted Working Space, Add</i>	7.91	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.64	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	5.27	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	6.59	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	9.23	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	10.55	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	13.19	
	<i>For Elevated Installation &gt;40', Add</i>	14.50	
26 05 33 13-0443	EA 2-1/2" To 3" Conduit, 24" Bonding Jumper.....	122.18	14.06
	<i>For Work In Restricted Working Space, Add</i>	10.55	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	7.03	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	8.79	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	12.31	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	14.07	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	17.59	
	<i>For Elevated Installation &gt;40', Add</i>	19.34	
26 05 33 13-0444	EA 3-1/2" To 4" Conduit, 24" Bonding Jumper.....	183.28	21.11
	<i>For Work In Restricted Working Space, Add</i>	15.83	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	5.28	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	10.55	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	13.19	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	18.47	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	21.10	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	26.38	
	<i>For Elevated Installation &gt;40', Add</i>	29.02	
26 05 33 13-0445	EA 5" To 6" Conduit, 24" Bonding Jumper.....	336.16	28.14
	<i>For Work In Restricted Working Space, Add</i>	21.10	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	7.03	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	14.07	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	17.59	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	24.62	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	28.14	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	35.17	
	<i>For Elevated Installation &gt;40', Add</i>	38.69	

26 05 33 13-0446 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0059)



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0447	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	81.98	21.98
		For Work In Restricted Working Space, Add	13.19	
		For Elevated Installation >10' To 15', Add	4.40	
		For Elevated Installation >15' To 20', Add	8.79	
		For Elevated Installation >20' To 25', Add	10.99	
		For Elevated Installation >25' To 30', Add	15.39	
		For Elevated Installation >30' To 35', Add	17.59	
		For Elevated Installation >35' To 40', Add	21.99	
		For Elevated Installation >40', Add	24.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.19	
26 05 33 13-0448	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	97.40	26.38
		For Work In Restricted Working Space, Add	15.83	
		For Elevated Installation >10' To 15', Add	5.28	
		For Elevated Installation >15' To 20', Add	10.55	
		For Elevated Installation >20' To 25', Add	13.19	
		For Elevated Installation >25' To 30', Add	18.47	
		For Elevated Installation >30' To 35', Add	21.10	
		For Elevated Installation >35' To 40', Add	26.38	
		For Elevated Installation >40', Add	29.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.83	
26 05 33 13-0449	EA	1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	118.94	30.78
		For Work In Restricted Working Space, Add	18.47	
		For Elevated Installation >10' To 15', Add	6.16	
		For Elevated Installation >15' To 20', Add	12.31	
		For Elevated Installation >20' To 25', Add	15.39	
		For Elevated Installation >25' To 30', Add	21.55	
		For Elevated Installation >30' To 35', Add	24.62	
		For Elevated Installation >35' To 40', Add	30.78	
		For Elevated Installation >40', Add	33.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.47	
26 05 33 13-0450	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	140.02	35.17
		For Work In Restricted Working Space, Add	21.10	
		For Elevated Installation >10' To 15', Add	7.03	
		For Elevated Installation >15' To 20', Add	14.07	
		For Elevated Installation >20' To 25', Add	17.59	
		For Elevated Installation >25' To 30', Add	24.62	
		For Elevated Installation >30' To 35', Add	28.14	
		For Elevated Installation >35' To 40', Add	35.17	
		For Elevated Installation >40', Add	38.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.10	
26 05 33 13-0451	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	184.04	39.57
		For Work In Restricted Working Space, Add	23.74	
		For Elevated Installation >10' To 15', Add	7.91	
		For Elevated Installation >15' To 20', Add	15.83	
		For Elevated Installation >20' To 25', Add	19.79	
		For Elevated Installation >25' To 30', Add	27.70	
		For Elevated Installation >30' To 35', Add	31.66	
		For Elevated Installation >35' To 40', Add	39.57	
		For Elevated Installation >40', Add	43.53	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.74	
26 05 33 13-0452	EA	2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	223.84	43.97
		For Work In Restricted Working Space, Add	26.38	
		For Elevated Installation >10' To 15', Add	8.79	
		For Elevated Installation >15' To 20', Add	17.59	
		For Elevated Installation >20' To 25', Add	21.98	
		For Elevated Installation >25' To 30', Add	30.78	
		For Elevated Installation >30' To 35', Add	35.17	
		For Elevated Installation >35' To 40', Add	43.97	
		For Elevated Installation >40', Add	48.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.38	
26 05 33 13-0453	EA	2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal.....	316.69	52.76
		For Work In Restricted Working Space, Add	31.66	
		For Elevated Installation >10' To 15', Add	10.55	
		For Elevated Installation >15' To 20', Add	21.10	
		For Elevated Installation >20' To 25', Add	26.38	
		For Elevated Installation >25' To 30', Add	36.93	
		For Elevated Installation >30' To 35', Add	42.21	
		For Elevated Installation >35' To 40', Add	52.76	
		For Elevated Installation >40', Add	58.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.66	
26 05 33 13-0454	EA	3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	381.05	61.56
		For Work In Restricted Working Space, Add	36.93	
		For Elevated Installation >10' To 15', Add	12.31	
		For Elevated Installation >15' To 20', Add	24.62	
		For Elevated Installation >20' To 25', Add	30.78	
		For Elevated Installation >25' To 30', Add	43.09	
		For Elevated Installation >30' To 35', Add	49.24	
		For Elevated Installation >35' To 40', Add	61.55	
		For Elevated Installation >40', Add	67.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.93	
26 05 33 13-0455	EA	3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	884.63	70.34
		For Work In Restricted Working Space, Add	42.21	
		For Elevated Installation >10' To 15', Add	14.07	
		For Elevated Installation >15' To 20', Add	28.14	
		For Elevated Installation >20' To 25', Add	35.17	
		For Elevated Installation >25' To 30', Add	49.24	
		For Elevated Installation >30' To 35', Add	56.28	
		For Elevated Installation >35' To 40', Add	70.35	
		For Elevated Installation >40', Add	77.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.21	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0456	EA 4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	1,019.28	79.14
	<i>For Work In Restricted Working Space, Add</i>	47.48	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	15.83	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	31.66	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	39.57	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	55.40	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	63.31	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	79.14	
	<i>For Elevated Installation &gt;40', Add</i>	87.05	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.48	
<b>26 05 33 13-0457</b>	<b>Rigid Galvanized Steel (RGS) Threaded Couplings</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0458	EA 1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	11.39	5.28
	<i>For Work In Restricted Working Space, Add</i>	3.17	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.06	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.11	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.64	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	3.69	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	4.22	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	5.28	
	<i>For Elevated Installation &gt;40', Add</i>	5.80	
26 05 33 13-0459	EA 3/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	16.00	7.47
	<i>For Work In Restricted Working Space, Add</i>	4.49	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.50	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.99	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	3.74	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	5.23	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	5.98	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	7.48	
	<i>For Elevated Installation &gt;40', Add</i>	8.22	
26 05 33 13-0460	EA 1" Rigid Galvanized Steel (RGS) Threaded Coupling.....	20.94	9.67
	<i>For Work In Restricted Working Space, Add</i>	5.80	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.93	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	3.87	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	4.84	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	6.77	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	7.74	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	9.67	
	<i>For Elevated Installation &gt;40', Add</i>	10.64	
26 05 33 13-0461	EA 1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	24.00	11.00
	<i>For Work In Restricted Working Space, Add</i>	6.59	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.20	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	4.40	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	5.50	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	7.69	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	8.79	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	10.99	
	<i>For Elevated Installation &gt;40', Add</i>	12.09	
26 05 33 13-0462	EA 1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	28.91	13.19
	<i>For Work In Restricted Working Space, Add</i>	7.91	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.64	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	5.28	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	6.60	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	9.23	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	10.55	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	13.19	
	<i>For Elevated Installation &gt;40', Add</i>	14.51	
26 05 33 13-0463	EA 2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	33.67	14.95
	<i>For Work In Restricted Working Space, Add</i>	8.97	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.99	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	5.98	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	7.48	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	10.47	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	11.96	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	14.95	
	<i>For Elevated Installation &gt;40', Add</i>	16.45	
26 05 33 13-0464	EA 2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	41.89	16.70
	<i>For Work In Restricted Working Space, Add</i>	10.03	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.34	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	6.68	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	8.36	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	11.70	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	13.37	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	16.71	
	<i>For Elevated Installation &gt;40', Add</i>	18.38	
26 05 33 13-0465	EA 3" Rigid Galvanized Steel (RGS) Threaded Coupling.....	48.83	18.90
	<i>For Work In Restricted Working Space, Add</i>	11.34	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.78	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	7.56	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	9.45	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	13.23	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	15.12	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	18.91	
	<i>For Elevated Installation &gt;40', Add</i>	20.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0466	EA		3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	56.21	20.67
			<i>For Work In Restricted Working Space, Add</i>	12.40	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.13	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.27	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.33	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.47	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.67	
			<i>For Elevated Installation &gt;40', Add</i>	22.73	
26 05 33 13-0467	EA		4" Threaded Rigid Galvanized Steel (RGS) Coupling.....	59.47	21.98
			<i>For Work In Restricted Working Space, Add</i>	13.19	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.99	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.59	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.99	
			<i>For Elevated Installation &gt;40', Add</i>	24.18	
<b>26 05 33 13-0468</b>			<b>Rigid Galvanized Steel (RGS) Sealing Locknut</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0469	EA		1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	2.50	0.88
26 05 33 13-0470	EA		3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	3.50	1.31
26 05 33 13-0471	EA		1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	5.80	2.20
26 05 33 13-0472	EA		1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	8.36	3.08
26 05 33 13-0473	EA		1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	9.94	3.52
26 05 33 13-0474	EA		2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	11.62	3.95
<b>26 05 33 13-0475</b>			<b>Rigid Galvanized Steel (RGS) Fire Stop Fittings</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0476	EA		1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	178.12	10.67
			<i>For Work In Restricted Working Space, Add</i>	8.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.67	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.34	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.67	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.67	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.34	
			<i>For Elevated Installation &gt;40', Add</i>	14.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.00	
26 05 33 13-0477	EA		3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	180.69	11.70
			<i>For Work In Restricted Working Space, Add</i>	8.78	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.93	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.85	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.31	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.24	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.70	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.63	
			<i>For Elevated Installation &gt;40', Add</i>	16.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.78	
26 05 33 13-0478	EA		1" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	217.38	12.84
			<i>For Work In Restricted Working Space, Add</i>	9.61	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.20	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.41	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.01	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.81	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.02	
			<i>For Elevated Installation &gt;40', Add</i>	17.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.61	
26 05 33 13-0479	EA		1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	238.63	14.06
			<i>For Work In Restricted Working Space, Add</i>	10.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.60	
			<i>For Elevated Installation &gt;40', Add</i>	19.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33 13-0480	EA		1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	272.39	15.83
			<i>For Work In Restricted Working Space, Add</i>	11.87	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.96	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.91	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.89	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.83	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.79	
			<i>For Elevated Installation &gt;40', Add</i>	21.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.87	
26 05 33 13-0481	EA		2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	405.65	17.59
			<i>For Work In Restricted Working Space, Add</i>	13.20	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.00	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.40	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	22.00	
			<i>For Elevated Installation &gt;40', Add</i>	24.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.20	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0482	EA	2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting .....	465.53	23.48
		<i>For Work In Restricted Working Space, Add</i>	17.60	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.87	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.73	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.67	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.53	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	23.46	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	29.33	
		<i>For Elevated Installation &gt;40', Add</i>	32.26	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.60	
26 05 33 13-0483	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting .....	516.53	25.76
		<i>For Work In Restricted Working Space, Add</i>	19.34	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.45	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.89	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	16.12	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	22.56	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.78	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	32.23	
		<i>For Elevated Installation &gt;40', Add</i>	35.45	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.34	
26 05 33 13-0484	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting .....	601.54	28.14
		<i>For Work In Restricted Working Space, Add</i>	21.11	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.07	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.59	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.62	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.14	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.18	
		<i>For Elevated Installation &gt;40', Add</i>	38.69	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.11	
26 05 33 13-0485	EA	4" Rigid Galvanized Steel (RGS) Fire Stop Fitting .....	678.14	31.65
		<i>For Work In Restricted Working Space, Add</i>	23.74	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.91	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.83	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.79	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.70	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	31.66	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	39.57	
		<i>For Elevated Installation &gt;40', Add</i>	43.53	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.74	
26 05 33 13-0486	EA	5" Rigid Galvanized Steel (RGS) Fire Stop Fitting .....	912.97	35.17
		<i>For Work In Restricted Working Space, Add</i>	26.38	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.79	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	17.59	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	21.98	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	30.78	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	35.17	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	43.97	
		<i>For Elevated Installation &gt;40', Add</i>	48.36	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.38	
26 05 33 13-0487	EA	6" Rigid Galvanized Steel (RGS) Fire Stop Fitting .....	1,137.37	39.04
		<i>For Work In Restricted Working Space, Add</i>	29.28	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.76	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	19.52	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	24.40	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	34.16	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	39.04	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	48.80	
		<i>For Elevated Installation &gt;40', Add</i>	53.68	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.28	
26 05 33 13-0488		<b>Rigid Galvanized Steel (RGS) Reducing Bushings</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0489	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	14.20	6.81
		<i>For Work In Restricted Working Space, Add</i>	4.09	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.36	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.73	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.41	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.77	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.45	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	6.82	
		<i>For Elevated Installation &gt;40', Add</i>	7.50	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.09	
26 05 33 13-0490	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	15.56	7.25
		<i>For Work In Restricted Working Space, Add</i>	4.35	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.45	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.90	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.63	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	5.08	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.80	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	7.26	
		<i>For Elevated Installation &gt;40', Add</i>	7.98	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 05 33 13-0491	EA		1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing .....	16.00	7.47
			For Work In Restricted Working Space, Add	4.49	
			For Elevated Installation >10' To 15', Add	1.50	
			For Elevated Installation >15' To 20', Add	2.99	
			For Elevated Installation >20' To 25', Add	3.74	
			For Elevated Installation >25' To 30', Add	5.23	
			For Elevated Installation >30' To 35', Add	5.98	
			For Elevated Installation >35' To 40', Add	7.48	
			For Elevated Installation >40', Add	8.22	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.49	
26 05 33 13-0492	EA		1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	18.12	7.69
			For Work In Restricted Working Space, Add	4.62	
			For Elevated Installation >10' To 15', Add	1.54	
			For Elevated Installation >15' To 20', Add	3.08	
			For Elevated Installation >20' To 25', Add	3.85	
			For Elevated Installation >25' To 30', Add	5.39	
			For Elevated Installation >30' To 35', Add	6.16	
			For Elevated Installation >35' To 40', Add	7.70	
			For Elevated Installation >40', Add	8.46	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62	
26 05 33 13-0493	EA		1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing .....	18.56	7.92
			For Work In Restricted Working Space, Add	4.75	
			For Elevated Installation >10' To 15', Add	1.58	
			For Elevated Installation >15' To 20', Add	3.17	
			For Elevated Installation >20' To 25', Add	3.96	
			For Elevated Installation >25' To 30', Add	5.54	
			For Elevated Installation >30' To 35', Add	6.33	
			For Elevated Installation >35' To 40', Add	7.92	
			For Elevated Installation >40', Add	8.71	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.75	
26 05 33 13-0494	EA		1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing .....	19.43	8.36
			For Work In Restricted Working Space, Add	5.01	
			For Elevated Installation >10' To 15', Add	1.67	
			For Elevated Installation >15' To 20', Add	3.34	
			For Elevated Installation >20' To 25', Add	4.18	
			For Elevated Installation >25' To 30', Add	5.85	
			For Elevated Installation >30' To 35', Add	6.68	
			For Elevated Installation >35' To 40', Add	8.35	
			For Elevated Installation >40', Add	9.19	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.01	
26 05 33 13-0495	EA		1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	20.90	8.79
			For Work In Restricted Working Space, Add	5.28	
			For Elevated Installation >10' To 15', Add	1.76	
			For Elevated Installation >15' To 20', Add	3.52	
			For Elevated Installation >20' To 25', Add	4.40	
			For Elevated Installation >25' To 30', Add	6.16	
			For Elevated Installation >30' To 35', Add	7.04	
			For Elevated Installation >35' To 40', Add	8.80	
			For Elevated Installation >40', Add	9.67	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.28	
26 05 33 13-0496	EA		1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing .....	21.34	9.01
			For Work In Restricted Working Space, Add	5.41	
			For Elevated Installation >10' To 15', Add	1.80	
			For Elevated Installation >15' To 20', Add	3.61	
			For Elevated Installation >20' To 25', Add	4.51	
			For Elevated Installation >25' To 30', Add	6.31	
			For Elevated Installation >30' To 35', Add	7.21	
			For Elevated Installation >35' To 40', Add	9.02	
			For Elevated Installation >40', Add	9.92	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.41	
26 05 33 13-0497	EA		1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing .....	22.21	9.45
			For Work In Restricted Working Space, Add	5.67	
			For Elevated Installation >10' To 15', Add	1.89	
			For Elevated Installation >15' To 20', Add	3.78	
			For Elevated Installation >20' To 25', Add	4.73	
			For Elevated Installation >25' To 30', Add	6.62	
			For Elevated Installation >30' To 35', Add	7.56	
			For Elevated Installation >35' To 40', Add	9.45	
			For Elevated Installation >40', Add	10.40	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.67	
26 05 33 13-0498	EA		1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing .....	23.09	9.89
			For Work In Restricted Working Space, Add	5.93	
			For Elevated Installation >10' To 15', Add	1.98	
			For Elevated Installation >15' To 20', Add	3.96	
			For Elevated Installation >20' To 25', Add	4.95	
			For Elevated Installation >25' To 30', Add	6.92	
			For Elevated Installation >30' To 35', Add	7.91	
			For Elevated Installation >35' To 40', Add	9.89	
			For Elevated Installation >40', Add	10.88	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.93	
26 05 33 13-0499	EA		2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	27.04	9.89
			For Work In Restricted Working Space, Add	5.93	
			For Elevated Installation >10' To 15', Add	1.98	
			For Elevated Installation >15' To 20', Add	3.96	
			For Elevated Installation >20' To 25', Add	4.95	
			For Elevated Installation >25' To 30', Add	6.92	
			For Elevated Installation >30' To 35', Add	7.91	
			For Elevated Installation >35' To 40', Add	9.89	
			For Elevated Installation >40', Add	10.88	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.93	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0500	EA 2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing .....	27.48	10.11
	For Work In Restricted Working Space, Add	6.07	
	For Elevated Installation >10' To 15', Add	2.02	
	For Elevated Installation >15' To 20', Add	4.04	
	For Elevated Installation >20' To 25', Add	5.06	
	For Elevated Installation >25' To 30', Add	7.08	
	For Elevated Installation >30' To 35', Add	8.09	
	For Elevated Installation >35' To 40', Add	11.11	
	For Elevated Installation >40', Add	11.12	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.07	
26 05 33 13-0501	EA 2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing .....	28.37	10.55
	For Work In Restricted Working Space, Add	6.33	
	For Elevated Installation >10' To 15', Add	2.11	
	For Elevated Installation >15' To 20', Add	4.22	
	For Elevated Installation >20' To 25', Add	5.28	
	For Elevated Installation >25' To 30', Add	7.39	
	For Elevated Installation >30' To 35', Add	8.44	
	For Elevated Installation >35' To 40', Add	10.56	
	For Elevated Installation >40', Add	11.61	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.33	
26 05 33 13-0502	EA 2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing .....	29.24	11.00
	For Work In Restricted Working Space, Add	6.59	
	For Elevated Installation >10' To 15', Add	2.20	
	For Elevated Installation >15' To 20', Add	4.40	
	For Elevated Installation >20' To 25', Add	5.50	
	For Elevated Installation >25' To 30', Add	7.69	
	For Elevated Installation >30' To 35', Add	8.79	
	For Elevated Installation >35' To 40', Add	10.99	
	For Elevated Installation >40', Add	12.09	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.59	
26 05 33 13-0503	EA 2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	31.44	12.09
	For Work In Restricted Working Space, Add	7.25	
	For Elevated Installation >10' To 15', Add	2.42	
	For Elevated Installation >15' To 20', Add	4.84	
	For Elevated Installation >20' To 25', Add	6.05	
	For Elevated Installation >25' To 30', Add	8.46	
	For Elevated Installation >30' To 35', Add	9.67	
	For Elevated Installation >35' To 40', Add	12.09	
	For Elevated Installation >40', Add	13.30	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.25	
26 05 33 13-0504	EA 2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	39.34	14.29
	For Work In Restricted Working Space, Add	8.57	
	For Elevated Installation >10' To 15', Add	2.86	
	For Elevated Installation >15' To 20', Add	5.72	
	For Elevated Installation >20' To 25', Add	7.15	
	For Elevated Installation >25' To 30', Add	10.00	
	For Elevated Installation >30' To 35', Add	11.43	
	For Elevated Installation >35' To 40', Add	14.29	
	For Elevated Installation >40', Add	15.72	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.57	
26 05 33 13-0505	<b>Rigid Galvanized Steel (RGS) Locknuts</b> (26 05 33 13-0059) .....	1.81	0.88
26 05 33 13-0506	EA 1/2" Rigid Galvanized Steel (RGS) Locknuts .....	1.81	0.88
	For Work In Restricted Working Space, Add	0.53	
	For Elevated Installation >10' To 15', Add	0.18	
	For Elevated Installation >15' To 20', Add	0.35	
	For Elevated Installation >20' To 25', Add	0.44	
	For Elevated Installation >25' To 30', Add	0.62	
	For Elevated Installation >30' To 35', Add	0.70	
	For Elevated Installation >35' To 40', Add	0.88	
	For Elevated Installation >40', Add	0.97	
26 05 33 13-0507	EA 3/4" Rigid Galvanized Steel (RGS) Locknuts .....	2.71	1.31
	For Work In Restricted Working Space, Add	0.79	
	For Elevated Installation >10' To 15', Add	0.26	
	For Elevated Installation >15' To 20', Add	0.53	
	For Elevated Installation >20' To 25', Add	0.66	
	For Elevated Installation >25' To 30', Add	0.92	
	For Elevated Installation >30' To 35', Add	1.06	
	For Elevated Installation >35' To 40', Add	1.32	
	For Elevated Installation >40', Add	1.45	
26 05 33 13-0508	EA 1" Rigid Galvanized Steel (RGS) Locknuts .....	4.51	2.20
	For Work In Restricted Working Space, Add	1.32	
	For Elevated Installation >10' To 15', Add	0.44	
	For Elevated Installation >15' To 20', Add	0.88	
	For Elevated Installation >20' To 25', Add	1.10	
	For Elevated Installation >25' To 30', Add	1.54	
	For Elevated Installation >30' To 35', Add	1.76	
	For Elevated Installation >35' To 40', Add	2.20	
	For Elevated Installation >40', Add	2.41	
26 05 33 13-0509	EA 1-1/4" Rigid Galvanized Steel (RGS) Locknuts .....	6.36	3.08
	For Work In Restricted Working Space, Add	1.85	
	For Elevated Installation >10' To 15', Add	0.62	
	For Elevated Installation >15' To 20', Add	1.23	
	For Elevated Installation >20' To 25', Add	1.54	
	For Elevated Installation >25' To 30', Add	2.16	
	For Elevated Installation >30' To 35', Add	2.46	
	For Elevated Installation >35' To 40', Add	3.08	
	For Elevated Installation >40', Add	3.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0510	EA	1-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	7.29	3.52
			For Work In Restricted Working Space, Add	2.11	
			For Elevated Installation >10' To 15', Add	0.70	
			For Elevated Installation >15' To 20', Add	1.41	
			For Elevated Installation >20' To 25', Add	1.76	
			For Elevated Installation >25' To 30', Add	2.46	
			For Elevated Installation >30' To 35', Add	2.81	
			For Elevated Installation >35' To 40', Add	3.52	
			For Elevated Installation >40', Add	3.87	
26 05 33	13-0511	EA	2" Rigid Galvanized Steel (RGS) Locknuts.....	8.24	3.95
			For Work In Restricted Working Space, Add	2.38	
			For Elevated Installation >10' To 15', Add	0.79	
			For Elevated Installation >15' To 20', Add	1.58	
			For Elevated Installation >20' To 25', Add	1.98	
			For Elevated Installation >25' To 30', Add	2.77	
			For Elevated Installation >30' To 35', Add	3.17	
			For Elevated Installation >35' To 40', Add	3.96	
			For Elevated Installation >40', Add	4.36	
26 05 33	13-0512	EA	2-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	11.41	5.28
			For Work In Restricted Working Space, Add	3.17	
			For Elevated Installation >10' To 15', Add	1.06	
			For Elevated Installation >15' To 20', Add	2.11	
			For Elevated Installation >20' To 25', Add	2.64	
			For Elevated Installation >25' To 30', Add	3.69	
			For Elevated Installation >30' To 35', Add	4.22	
			For Elevated Installation >35' To 40', Add	5.28	
			For Elevated Installation >40', Add	5.80	
26 05 33	13-0513	EA	3" Rigid Galvanized Steel (RGS) Locknuts.....	14.14	6.59
			For Work In Restricted Working Space, Add	3.96	
			For Elevated Installation >10' To 15', Add	1.32	
			For Elevated Installation >15' To 20', Add	2.64	
			For Elevated Installation >20' To 25', Add	3.30	
			For Elevated Installation >25' To 30', Add	4.62	
			For Elevated Installation >30' To 35', Add	5.28	
			For Elevated Installation >35' To 40', Add	6.60	
			For Elevated Installation >40', Add	7.25	
26 05 33	13-0514	EA	3-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	16.53	7.47
			For Work In Restricted Working Space, Add	4.49	
			For Elevated Installation >10' To 15', Add	1.50	
			For Elevated Installation >15' To 20', Add	2.99	
			For Elevated Installation >20' To 25', Add	3.74	
			For Elevated Installation >25' To 30', Add	5.23	
			For Elevated Installation >30' To 35', Add	5.98	
			For Elevated Installation >35' To 40', Add	7.48	
			For Elevated Installation >40', Add	8.22	
26 05 33	13-0515	EA	4" Rigid Galvanized Steel (RGS) Locknuts.....	18.52	8.36
			For Work In Restricted Working Space, Add	5.01	
			For Elevated Installation >10' To 15', Add	1.67	
			For Elevated Installation >15' To 20', Add	3.34	
			For Elevated Installation >20' To 25', Add	4.18	
			For Elevated Installation >25' To 30', Add	5.85	
			For Elevated Installation >30' To 35', Add	6.68	
			For Elevated Installation >35' To 40', Add	8.35	
			For Elevated Installation >40', Add	9.19	
<b>26 05 33</b>	<b>13-0516</b>		<b>Rigid Galvanized Steel (RGS) Grounding Locknuts</b> ..... <small>(26 05 33 13-0059)</small>		
26 05 33	13-0517	EA	1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	2.55	0.88
			For Work In Restricted Working Space, Add	0.53	
			For Elevated Installation >10' To 15', Add	0.18	
			For Elevated Installation >15' To 20', Add	0.35	
			For Elevated Installation >20' To 25', Add	0.44	
			For Elevated Installation >25' To 30', Add	0.62	
			For Elevated Installation >30' To 35', Add	0.70	
			For Elevated Installation >35' To 40', Add	0.88	
			For Elevated Installation >40', Add	0.97	
26 05 33	13-0518	EA	3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	3.58	1.31
			For Work In Restricted Working Space, Add	0.79	
			For Elevated Installation >10' To 15', Add	0.26	
			For Elevated Installation >15' To 20', Add	0.53	
			For Elevated Installation >20' To 25', Add	0.66	
			For Elevated Installation >25' To 30', Add	0.92	
			For Elevated Installation >30' To 35', Add	1.06	
			For Elevated Installation >35' To 40', Add	1.32	
			For Elevated Installation >40', Add	1.45	
26 05 33	13-0519	EA	1" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	5.74	2.20
			For Work In Restricted Working Space, Add	1.32	
			For Elevated Installation >10' To 15', Add	0.44	
			For Elevated Installation >15' To 20', Add	0.88	
			For Elevated Installation >20' To 25', Add	1.10	
			For Elevated Installation >25' To 30', Add	1.54	
			For Elevated Installation >30' To 35', Add	1.76	
			For Elevated Installation >35' To 40', Add	2.20	
			For Elevated Installation >40', Add	2.41	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0520	EA 1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	8.04	3.08
	For Work In Restricted Working Space, Add	1.85	
	For Elevated Installation >10' To 15', Add	0.62	
	For Elevated Installation >15' To 20', Add	1.23	
	For Elevated Installation >20' To 25', Add	1.54	
	For Elevated Installation >25' To 30', Add	2.16	
	For Elevated Installation >30' To 35', Add	2.46	
	For Elevated Installation >35' To 40', Add	3.08	
	For Elevated Installation >40', Add	3.39	
26 05 33 13-0521	EA 1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	9.09	3.52
	For Work In Restricted Working Space, Add	2.11	
	For Elevated Installation >10' To 15', Add	0.70	
	For Elevated Installation >15' To 20', Add	1.41	
	For Elevated Installation >20' To 25', Add	1.76	
	For Elevated Installation >25' To 30', Add	2.46	
	For Elevated Installation >30' To 35', Add	2.81	
	For Elevated Installation >35' To 40', Add	3.52	
	For Elevated Installation >40', Add	3.87	
26 05 33 13-0522	EA 2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	10.61	3.95
	For Work In Restricted Working Space, Add	2.38	
	For Elevated Installation >10' To 15', Add	0.79	
	For Elevated Installation >15' To 20', Add	1.58	
	For Elevated Installation >20' To 25', Add	1.98	
	For Elevated Installation >25' To 30', Add	2.77	
	For Elevated Installation >30' To 35', Add	3.17	
	For Elevated Installation >35' To 40', Add	3.96	
	For Elevated Installation >40', Add	4.36	
26 05 33 13-0523	EA 2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	15.54	5.28
	For Work In Restricted Working Space, Add	3.17	
	For Elevated Installation >10' To 15', Add	1.06	
	For Elevated Installation >15' To 20', Add	2.11	
	For Elevated Installation >20' To 25', Add	2.64	
	For Elevated Installation >25' To 30', Add	3.69	
	For Elevated Installation >30' To 35', Add	4.22	
	For Elevated Installation >35' To 40', Add	5.28	
	For Elevated Installation >40', Add	5.80	
26 05 33 13-0524	EA 3" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	19.53	6.59
	For Work In Restricted Working Space, Add	3.96	
	For Elevated Installation >10' To 15', Add	1.32	
	For Elevated Installation >15' To 20', Add	2.64	
	For Elevated Installation >20' To 25', Add	3.30	
	For Elevated Installation >25' To 30', Add	4.62	
	For Elevated Installation >30' To 35', Add	5.28	
	For Elevated Installation >35' To 40', Add	6.60	
	For Elevated Installation >40', Add	7.25	
26 05 33 13-0525	EA 3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	25.24	7.47
	For Work In Restricted Working Space, Add	4.49	
	For Elevated Installation >10' To 15', Add	1.50	
	For Elevated Installation >15' To 20', Add	2.99	
	For Elevated Installation >20' To 25', Add	3.74	
	For Elevated Installation >25' To 30', Add	5.23	
	For Elevated Installation >30' To 35', Add	5.98	
	For Elevated Installation >35' To 40', Add	7.48	
	For Elevated Installation >40', Add	8.22	
26 05 33 13-0526	EA 4" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	29.97	8.36
	For Work In Restricted Working Space, Add	5.01	
	For Elevated Installation >10' To 15', Add	1.67	
	For Elevated Installation >15' To 20', Add	3.34	
	For Elevated Installation >20' To 25', Add	4.18	
	For Elevated Installation >25' To 30', Add	5.85	
	For Elevated Installation >30' To 35', Add	6.68	
	For Elevated Installation >35' To 40', Add	8.35	
	For Elevated Installation >40', Add	9.19	
<b>26 05 33 13-0527</b>	<b>Rigid Galvanized Steel (RGS) Insulated Ground Bushing</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0528	EA 1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	7.25	2.64
	For Work In Restricted Working Space, Add	1.58	
	For Elevated Installation >10' To 15', Add	0.53	
	For Elevated Installation >15' To 20', Add	1.06	
	For Elevated Installation >20' To 25', Add	1.32	
	For Elevated Installation >25' To 30', Add	1.85	
	For Elevated Installation >30' To 35', Add	2.11	
	For Elevated Installation >35' To 40', Add	2.64	
	For Elevated Installation >40', Add	2.90	
26 05 33 13-0529	EA 3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	9.17	3.52
	For Work In Restricted Working Space, Add	2.11	
	For Elevated Installation >10' To 15', Add	0.70	
	For Elevated Installation >15' To 20', Add	1.41	
	For Elevated Installation >20' To 25', Add	1.76	
	For Elevated Installation >25' To 30', Add	2.46	
	For Elevated Installation >30' To 35', Add	2.81	
	For Elevated Installation >35' To 40', Add	3.52	
	For Elevated Installation >40', Add	3.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 05 33 13-0530	EA		1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	11.67	4.39
			For Work In Restricted Working Space, Add	2.64	
			For Elevated Installation >10' To 15', Add	0.88	
			For Elevated Installation >15' To 20', Add	1.76	
			For Elevated Installation >20' To 25', Add	2.20	
			For Elevated Installation >25' To 30', Add	3.08	
			For Elevated Installation >30' To 35', Add	3.52	
			For Elevated Installation >35' To 40', Add	4.40	
			For Elevated Installation >40', Add	4.83	
26 05 33 13-0531	EA		1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	17.27	7.03
			For Work In Restricted Working Space, Add	4.22	
			For Elevated Installation >10' To 15', Add	1.41	
			For Elevated Installation >15' To 20', Add	2.81	
			For Elevated Installation >20' To 25', Add	3.52	
			For Elevated Installation >25' To 30', Add	4.92	
			For Elevated Installation >30' To 35', Add	5.62	
			For Elevated Installation >35' To 40', Add	7.03	
			For Elevated Installation >40', Add	7.73	
26 05 33 13-0532	EA		1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	19.47	7.92
			For Work In Restricted Working Space, Add	4.75	
			For Elevated Installation >10' To 15', Add	1.58	
			For Elevated Installation >15' To 20', Add	3.17	
			For Elevated Installation >20' To 25', Add	3.96	
			For Elevated Installation >25' To 30', Add	5.54	
			For Elevated Installation >30' To 35', Add	6.33	
			For Elevated Installation >35' To 40', Add	7.92	
			For Elevated Installation >40', Add	8.71	
26 05 33 13-0533	EA		2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	22.05	8.79
			For Work In Restricted Working Space, Add	5.28	
			For Elevated Installation >10' To 15', Add	1.76	
			For Elevated Installation >15' To 20', Add	3.52	
			For Elevated Installation >20' To 25', Add	4.40	
			For Elevated Installation >25' To 30', Add	6.16	
			For Elevated Installation >30' To 35', Add	7.04	
			For Elevated Installation >35' To 40', Add	8.80	
			For Elevated Installation >40', Add	9.67	
26 05 33 13-0534	EA		2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	29.72	10.55
			For Work In Restricted Working Space, Add	6.33	
			For Elevated Installation >10' To 15', Add	2.11	
			For Elevated Installation >15' To 20', Add	4.22	
			For Elevated Installation >20' To 25', Add	5.28	
			For Elevated Installation >25' To 30', Add	7.39	
			For Elevated Installation >30' To 35', Add	8.44	
			For Elevated Installation >35' To 40', Add	10.56	
			For Elevated Installation >40', Add	11.61	
26 05 33 13-0535	EA		3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	36.25	13.19
			For Work In Restricted Working Space, Add	7.91	
			For Elevated Installation >10' To 15', Add	2.64	
			For Elevated Installation >15' To 20', Add	5.28	
			For Elevated Installation >20' To 25', Add	6.60	
			For Elevated Installation >25' To 30', Add	9.23	
			For Elevated Installation >30' To 35', Add	10.55	
			For Elevated Installation >35' To 40', Add	13.19	
			For Elevated Installation >40', Add	14.51	
26 05 33 13-0536	EA		3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	45.36	17.59
			For Work In Restricted Working Space, Add	10.55	
			For Elevated Installation >10' To 15', Add	3.52	
			For Elevated Installation >15' To 20', Add	7.03	
			For Elevated Installation >20' To 25', Add	8.79	
			For Elevated Installation >25' To 30', Add	12.31	
			For Elevated Installation >30' To 35', Add	14.07	
			For Elevated Installation >35' To 40', Add	17.59	
			For Elevated Installation >40', Add	19.34	
26 05 33 13-0537	EA		4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	55.49	21.98
			For Work In Restricted Working Space, Add	13.19	
			For Elevated Installation >10' To 15', Add	4.40	
			For Elevated Installation >15' To 20', Add	8.79	
			For Elevated Installation >20' To 25', Add	10.99	
			For Elevated Installation >25' To 30', Add	15.39	
			For Elevated Installation >30' To 35', Add	17.59	
			For Elevated Installation >35' To 40', Add	21.99	
			For Elevated Installation >40', Add	24.18	
26 05 33 13-0538			<b>Rigid Galvanized Steel (RGS) Threadless Compression Connectors</b> <small>(26 05 33 13-0059)</small> .....	19.06	7.92
26 05 33 13-0539	EA		1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	19.06	7.92
			For Work In Restricted Working Space, Add	4.75	
			For Elevated Installation >10' To 15', Add	1.58	
			For Elevated Installation >15' To 20', Add	3.17	
			For Elevated Installation >20' To 25', Add	3.96	
			For Elevated Installation >25' To 30', Add	5.54	
			For Elevated Installation >30' To 35', Add	6.33	
			For Elevated Installation >35' To 40', Add	7.92	
			For Elevated Installation >40', Add	8.71	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0540	EA 3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	22.80	8.79
	<i>For Work In Restricted Working Space, Add</i>	5.28	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.76	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	3.52	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	4.40	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	6.16	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	7.04	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	8.80	
	<i>For Elevated Installation &gt;40', Add</i>	9.67	
26 05 33 13-0541	EA 1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	30.11	11.00
	<i>For Work In Restricted Working Space, Add</i>	6.59	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.20	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	4.40	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	5.50	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	7.69	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	8.79	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	10.99	
	<i>For Elevated Installation &gt;40', Add</i>	12.09	
26 05 33 13-0542	EA 1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	41.69	13.19
	<i>For Work In Restricted Working Space, Add</i>	7.91	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.64	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	5.28	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	6.60	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	9.23	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	10.55	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	13.19	
	<i>For Elevated Installation &gt;40', Add</i>	14.51	
26 05 33 13-0543	EA 1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	56.37	17.59
	<i>For Work In Restricted Working Space, Add</i>	10.55	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	7.03	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	8.79	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	12.31	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	14.07	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	17.59	
	<i>For Elevated Installation &gt;40', Add</i>	19.34	
26 05 33 13-0544	EA 2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	84.65	21.98
	<i>For Work In Restricted Working Space, Add</i>	13.19	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.40	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	8.79	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	10.99	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	15.39	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	17.59	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	21.99	
	<i>For Elevated Installation &gt;40', Add</i>	24.18	
26 05 33 13-0545	EA 2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	146.60	26.38
	<i>For Work In Restricted Working Space, Add</i>	15.83	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	5.28	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	10.55	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	13.19	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	18.47	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	21.10	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	26.38	
	<i>For Elevated Installation &gt;40', Add</i>	29.02	
26 05 33 13-0546	EA 3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	185.97	30.78
	<i>For Work In Restricted Working Space, Add</i>	18.47	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	6.16	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	12.31	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	15.39	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	21.55	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	24.62	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	30.78	
	<i>For Elevated Installation &gt;40', Add</i>	33.86	
26 05 33 13-0547	EA 3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	237.31	37.37
	<i>For Work In Restricted Working Space, Add</i>	22.42	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	7.47	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	14.95	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	18.69	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	26.16	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	29.90	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	37.37	
	<i>For Elevated Installation &gt;40', Add</i>	41.11	
26 05 33 13-0548	EA 4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	286.96	43.97
	<i>For Work In Restricted Working Space, Add</i>	26.38	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	8.79	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	17.59	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	21.98	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	30.78	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	35.17	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	43.97	
	<i>For Elevated Installation &gt;40', Add</i>	48.36	

26 05 33 13-0549 Rigid Galvanized Steel (RGS) Compression Coupling (26 05 33 13-0059)

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0550	EA			1/2" Rigid Galvanized Steel (RGS) Compression Coupling .....	27.20	11.00
				For Work In Restricted Working Space, Add	6.59	
				For Elevated Installation >10' To 15', Add	2.20	
				For Elevated Installation >15' To 20', Add	4.40	
				For Elevated Installation >20' To 25', Add	5.50	
				For Elevated Installation >25' To 30', Add	7.69	
				For Elevated Installation >30' To 35', Add	8.79	
				For Elevated Installation >35' To 40', Add	10.99	
				For Elevated Installation >40', Add	12.09	
26 05 33 13-0551	EA			3/4" Rigid Galvanized Steel (RGS) Compression Coupling .....	34.75	13.19
				For Work In Restricted Working Space, Add	7.91	
				For Elevated Installation >10' To 15', Add	2.64	
				For Elevated Installation >15' To 20', Add	5.28	
				For Elevated Installation >20' To 25', Add	6.60	
				For Elevated Installation >25' To 30', Add	9.23	
				For Elevated Installation >30' To 35', Add	10.55	
				For Elevated Installation >35' To 40', Add	13.19	
				For Elevated Installation >40', Add	14.51	
26 05 33 13-0552	EA			1" Rigid Galvanized Steel (RGS) Compression Coupling .....	49.77	17.59
				For Work In Restricted Working Space, Add	10.55	
				For Elevated Installation >10' To 15', Add	3.52	
				For Elevated Installation >15' To 20', Add	7.03	
				For Elevated Installation >20' To 25', Add	8.79	
				For Elevated Installation >25' To 30', Add	12.31	
				For Elevated Installation >30' To 35', Add	14.07	
				For Elevated Installation >35' To 40', Add	17.59	
				For Elevated Installation >40', Add	19.34	
26 05 33 13-0553	EA			1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling .....	65.58	21.98
				For Work In Restricted Working Space, Add	13.19	
				For Elevated Installation >10' To 15', Add	4.40	
				For Elevated Installation >15' To 20', Add	8.79	
				For Elevated Installation >20' To 25', Add	10.99	
				For Elevated Installation >25' To 30', Add	15.39	
				For Elevated Installation >30' To 35', Add	17.59	
				For Elevated Installation >35' To 40', Add	21.99	
				For Elevated Installation >40', Add	24.18	
26 05 33 13-0554	EA			1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling .....	80.89	26.38
				For Work In Restricted Working Space, Add	15.83	
				For Elevated Installation >10' To 15', Add	5.28	
				For Elevated Installation >15' To 20', Add	10.55	
				For Elevated Installation >20' To 25', Add	13.19	
				For Elevated Installation >25' To 30', Add	18.47	
				For Elevated Installation >30' To 35', Add	21.10	
				For Elevated Installation >35' To 40', Add	26.38	
				For Elevated Installation >40', Add	29.02	
26 05 33 13-0555	EA			2" Rigid Galvanized Steel (RGS) Compression Coupling .....	123.08	30.78
				For Work In Restricted Working Space, Add	18.47	
				For Elevated Installation >10' To 15', Add	6.16	
				For Elevated Installation >15' To 20', Add	12.31	
				For Elevated Installation >20' To 25', Add	15.39	
				For Elevated Installation >25' To 30', Add	21.55	
				For Elevated Installation >30' To 35', Add	24.62	
				For Elevated Installation >35' To 40', Add	30.78	
				For Elevated Installation >40', Add	33.86	
26 05 33 13-0556	EA			2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling .....	199.92	35.17
				For Work In Restricted Working Space, Add	21.10	
				For Elevated Installation >10' To 15', Add	7.03	
				For Elevated Installation >15' To 20', Add	14.07	
				For Elevated Installation >20' To 25', Add	17.59	
				For Elevated Installation >25' To 30', Add	24.62	
				For Elevated Installation >30' To 35', Add	28.14	
				For Elevated Installation >35' To 40', Add	35.17	
				For Elevated Installation >40', Add	38.69	
26 05 33 13-0557	EA			3" Rigid Galvanized Steel (RGS) Compression Coupling .....	232.35	30.34
				For Work In Restricted Working Space, Add	18.20	
				For Elevated Installation >10' To 15', Add	6.07	
				For Elevated Installation >15' To 20', Add	12.13	
				For Elevated Installation >20' To 25', Add	15.17	
				For Elevated Installation >25' To 30', Add	21.23	
				For Elevated Installation >30' To 35', Add	24.27	
				For Elevated Installation >35' To 40', Add	30.34	
				For Elevated Installation >40', Add	33.37	
26 05 33 13-0558	EA			3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling .....	318.33	46.17
				For Work In Restricted Working Space, Add	27.70	
				For Elevated Installation >10' To 15', Add	9.23	
				For Elevated Installation >15' To 20', Add	18.47	
				For Elevated Installation >20' To 25', Add	23.08	
				For Elevated Installation >25' To 30', Add	32.32	
				For Elevated Installation >30' To 35', Add	36.93	
				For Elevated Installation >35' To 40', Add	46.17	
				For Elevated Installation >40', Add	50.78	
26 05 33 13-0559	EA			4" Rigid Galvanized Steel (RGS) Compression Coupling .....	394.71	52.76
				For Work In Restricted Working Space, Add	31.66	
				For Elevated Installation >10' To 15', Add	10.55	
				For Elevated Installation >15' To 20', Add	21.10	
				For Elevated Installation >20' To 25', Add	26.38	
				For Elevated Installation >25' To 30', Add	36.93	
				For Elevated Installation >30' To 35', Add	42.21	
				For Elevated Installation >35' To 40', Add	52.76	
				For Elevated Installation >40', Add	58.04	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33	13-0560	Zinc Plated Steel Snap-in Knock Out Seal <small>(26 05 33 13-0059)</small>		
26 05 33	13-0561	EA 1/2" Zinc Plated Steel Snap-in Knock Out Seal.....	4.56	2.20
		For Work In Restricted Working Space, Add	1.32	
		For Elevated Installation >10' To 15', Add	0.44	
		For Elevated Installation >15' To 20', Add	0.88	
		For Elevated Installation >20' To 25', Add	1.10	
		For Elevated Installation >25' To 30', Add	1.54	
		For Elevated Installation >30' To 35', Add	1.76	
		For Elevated Installation >35' To 40', Add	2.20	
		For Elevated Installation >40', Add	2.41	
26 05 33	13-0562	EA 3/4" Zinc Plated Steel Snap-in Knock Out Seal.....	5.50	2.64
		For Work In Restricted Working Space, Add	1.58	
		For Elevated Installation >10' To 15', Add	0.53	
		For Elevated Installation >15' To 20', Add	1.06	
		For Elevated Installation >20' To 25', Add	1.32	
		For Elevated Installation >25' To 30', Add	1.85	
		For Elevated Installation >30' To 35', Add	2.11	
		For Elevated Installation >35' To 40', Add	2.64	
		For Elevated Installation >40', Add	2.90	
26 05 33	13-0563	EA 1" Zinc Plated Steel Snap-in Knock Out Seal.....	6.51	3.08
		For Work In Restricted Working Space, Add	1.85	
		For Elevated Installation >10' To 15', Add	0.62	
		For Elevated Installation >15' To 20', Add	1.23	
		For Elevated Installation >20' To 25', Add	1.54	
		For Elevated Installation >25' To 30', Add	2.16	
		For Elevated Installation >30' To 35', Add	2.46	
		For Elevated Installation >35' To 40', Add	3.08	
		For Elevated Installation >40', Add	3.39	
26 05 33	13-0564	EA 1-1/4" Zinc Plated Steel Snap-in Knock Out Seal .....	8.38	3.95
		For Work In Restricted Working Space, Add	2.38	
		For Elevated Installation >10' To 15', Add	0.79	
		For Elevated Installation >15' To 20', Add	1.58	
		For Elevated Installation >20' To 25', Add	1.98	
		For Elevated Installation >25' To 30', Add	2.77	
		For Elevated Installation >30' To 35', Add	3.17	
		For Elevated Installation >35' To 40', Add	3.96	
		For Elevated Installation >40', Add	4.36	
26 05 33	13-0565	EA 1-1/2" Zinc Plated Steel Snap-in Knock Out Seal .....	9.42	4.39
		For Work In Restricted Working Space, Add	2.64	
		For Elevated Installation >10' To 15', Add	0.88	
		For Elevated Installation >15' To 20', Add	1.76	
		For Elevated Installation >20' To 25', Add	2.20	
		For Elevated Installation >25' To 30', Add	3.08	
		For Elevated Installation >30' To 35', Add	3.52	
		For Elevated Installation >35' To 40', Add	4.40	
		For Elevated Installation >40', Add	4.83	
26 05 33	13-0566	EA 2" Zinc Plated Steel Snap-in Knock Out Seal.....	11.44	5.28
		For Work In Restricted Working Space, Add	3.17	
		For Elevated Installation >10' To 15', Add	1.06	
		For Elevated Installation >15' To 20', Add	2.11	
		For Elevated Installation >20' To 25', Add	2.64	
		For Elevated Installation >25' To 30', Add	3.69	
		For Elevated Installation >30' To 35', Add	4.22	
		For Elevated Installation >35' To 40', Add	5.28	
		For Elevated Installation >40', Add	5.80	
26 05 33	13-0567	Zinc Plated Steel 3-Piece Knock Out Seal <small>(26 05 33 13-0059)</small>		
26 05 33	13-0568	EA 1/2" Zinc Plated Steel 3-Piece Knock Out Seal.....	5.39	2.20
		For Work In Restricted Working Space, Add	1.32	
		For Elevated Installation >10' To 15', Add	0.44	
		For Elevated Installation >15' To 20', Add	0.88	
		For Elevated Installation >20' To 25', Add	1.10	
		For Elevated Installation >25' To 30', Add	1.54	
		For Elevated Installation >30' To 35', Add	1.76	
		For Elevated Installation >35' To 40', Add	2.20	
		For Elevated Installation >40', Add	2.41	
26 05 33	13-0569	EA 3/4" Zinc Plated Steel 3-Piece Knock Out Seal.....	6.44	2.64
		For Work In Restricted Working Space, Add	1.58	
		For Elevated Installation >10' To 15', Add	0.53	
		For Elevated Installation >15' To 20', Add	1.06	
		For Elevated Installation >20' To 25', Add	1.32	
		For Elevated Installation >25' To 30', Add	1.85	
		For Elevated Installation >30' To 35', Add	2.11	
		For Elevated Installation >35' To 40', Add	2.64	
		For Elevated Installation >40', Add	2.90	
26 05 33	13-0570	EA 1" Zinc Plated Steel 3-Piece Knock Out Seal.....	7.76	3.08
		For Work In Restricted Working Space, Add	1.85	
		For Elevated Installation >10' To 15', Add	0.62	
		For Elevated Installation >15' To 20', Add	1.23	
		For Elevated Installation >20' To 25', Add	1.54	
		For Elevated Installation >25' To 30', Add	2.16	
		For Elevated Installation >30' To 35', Add	2.46	
		For Elevated Installation >35' To 40', Add	3.08	
		For Elevated Installation >40', Add	3.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0571	EA		1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal.....	9.98	3.95
			<i>For Work In Restricted Working Space, Add</i>	2.38	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.79	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.58	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.98	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.17	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.96	
			<i>For Elevated Installation &gt;40', Add</i>	4.36	
26 05 33 13-0572	EA		1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal.....	12.09	4.39
			<i>For Work In Restricted Working Space, Add</i>	2.64	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.88	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.76	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.20	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.08	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.52	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.40	
			<i>For Elevated Installation &gt;40', Add</i>	4.83	
26 05 33 13-0573	EA		2" Zinc Plated Steel 3-Piece Knock Out Seal.....	14.61	5.28
			<i>For Work In Restricted Working Space, Add</i>	3.17	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.64	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.69	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.28	
			<i>For Elevated Installation &gt;40', Add</i>	5.80	
26 05 33 13-0574	EA		2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal.....	17.96	6.59
			<i>For Work In Restricted Working Space, Add</i>	3.96	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.32	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.64	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.30	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.28	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.60	
			<i>For Elevated Installation &gt;40', Add</i>	7.25	
26 05 33 13-0575	EA		3" Zinc Plated Steel 3-Piece Knock Out Seal.....	20.91	7.47
			<i>For Work In Restricted Working Space, Add</i>	4.49	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.50	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.99	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.23	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.48	
			<i>For Elevated Installation &gt;40', Add</i>	8.22	
26 05 33 13-0576	EA		3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal.....	25.09	8.36
			<i>For Work In Restricted Working Space, Add</i>	5.01	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.67	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.34	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.18	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.68	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.35	
			<i>For Elevated Installation &gt;40', Add</i>	9.19	
26 05 33 13-0577	EA		4" Zinc Plated Steel 3-Piece Knock Out Seal.....	29.24	9.23
			<i>For Work In Restricted Working Space, Add</i>	5.54	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.85	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.62	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.46	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.24	
			<i>For Elevated Installation &gt;40', Add</i>	10.16	
<b>26 05 33 13-0578</b>			<b>Rigid Galvanized Steel (RGS) Chase Nipples</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0579	EA		1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	10.81	5.28
			<i>For Work In Restricted Working Space, Add</i>	3.17	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.64	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.69	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.28	
			<i>For Elevated Installation &gt;40', Add</i>	5.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.17	
26 05 33 13-0580	EA		3/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	12.74	6.16
			<i>For Work In Restricted Working Space, Add</i>	3.69	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.23	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.46	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.08	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.31	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.92	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.16	
			<i>For Elevated Installation &gt;40', Add</i>	6.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.69	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0581	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple.....	15.88	7.47
			<i>For Work In Restricted Working Space, Add</i>	4.49	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.50	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.99	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.23	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.48	
			<i>For Elevated Installation &gt;40', Add</i>	8.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.49	
26 05 33	13-0582	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	19.21	8.79
			<i>For Work In Restricted Working Space, Add</i>	5.28	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.76	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.52	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.40	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.16	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.80	
			<i>For Elevated Installation &gt;40', Add</i>	9.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.28	
26 05 33	13-0583	EA	1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	24.06	11.00
			<i>For Work In Restricted Working Space, Add</i>	6.59	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.20	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.40	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.69	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.79	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.99	
			<i>For Elevated Installation &gt;40', Add</i>	12.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 05 33	13-0584	EA	2" Rigid Galvanized Steel (RGS) Chase Nipple.....	29.76	13.19
			<i>For Work In Restricted Working Space, Add</i>	7.91	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.64	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.23	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.19	
			<i>For Elevated Installation &gt;40', Add</i>	14.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.91	
26 05 33	13-0585	EA	2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	37.21	15.39
			<i>For Work In Restricted Working Space, Add</i>	9.23	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.70	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.31	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.39	
			<i>For Elevated Installation &gt;40', Add</i>	16.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.23	
26 05 33	13-0586	EA	3" Rigid Galvanized Steel (RGS) Chase Nipple.....	41.77	17.59
			<i>For Work In Restricted Working Space, Add</i>	10.55	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.03	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.79	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.31	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.59	
			<i>For Elevated Installation &gt;40', Add</i>	19.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.55	
26 05 33	13-0587	EA	3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	51.23	19.78
			<i>For Work In Restricted Working Space, Add</i>	11.87	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.96	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.91	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.89	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.83	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.79	
			<i>For Elevated Installation &gt;40', Add</i>	21.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.87	
26 05 33	13-0588	EA	4" Rigid Galvanized Steel (RGS) Chase Nipple.....	68.40	21.98
			<i>For Work In Restricted Working Space, Add</i>	13.19	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.99	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.59	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.99	
			<i>For Elevated Installation &gt;40', Add</i>	24.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.19	

26 05 33 13-0589 Rigid Galvanized Steel (RGS) Pulling Elbow (26 05 33 13-0059)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0590 EA 1/2" Rigid Galvanized Steel (RGS) Pulling Elbow .....	20.26	7.92
For Work In Restricted Working Space, Add	4.75	
For Elevated Installation >10' To 15', Add	1.58	
For Elevated Installation >15' To 20', Add	3.17	
For Elevated Installation >20' To 25', Add	3.96	
For Elevated Installation >25' To 30', Add	5.54	
For Elevated Installation >30' To 35', Add	6.33	
For Elevated Installation >35' To 40', Add	7.92	
For Elevated Installation >40', Add	8.71	
26 05 33 13-0591 EA 3/4" Rigid Galvanized Steel (RGS) Pulling Elbow .....	23.56	9.23
For Work In Restricted Working Space, Add	5.54	
For Elevated Installation >10' To 15', Add	1.85	
For Elevated Installation >15' To 20', Add	3.69	
For Elevated Installation >20' To 25', Add	4.62	
For Elevated Installation >25' To 30', Add	6.46	
For Elevated Installation >30' To 35', Add	7.39	
For Elevated Installation >35' To 40', Add	9.24	
For Elevated Installation >40', Add	10.16	
26 05 33 13-0592 EA 1" Rigid Galvanized Steel (RGS) Pulling Elbow .....	29.56	10.55
For Work In Restricted Working Space, Add	6.33	
For Elevated Installation >10' To 15', Add	2.11	
For Elevated Installation >15' To 20', Add	4.22	
For Elevated Installation >20' To 25', Add	5.28	
For Elevated Installation >25' To 30', Add	7.39	
For Elevated Installation >30' To 35', Add	8.44	
For Elevated Installation >35' To 40', Add	10.56	
For Elevated Installation >40', Add	11.61	
26 05 33 13-0593 EA 1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow .....	37.75	13.19
For Work In Restricted Working Space, Add	7.91	
For Elevated Installation >10' To 15', Add	2.64	
For Elevated Installation >15' To 20', Add	5.28	
For Elevated Installation >20' To 25', Add	6.60	
For Elevated Installation >25' To 30', Add	9.23	
For Elevated Installation >30' To 35', Add	10.55	
For Elevated Installation >35' To 40', Add	13.19	
For Elevated Installation >40', Add	14.51	
26 05 33 13-0594 EA 1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow .....	49.70	15.83
For Work In Restricted Working Space, Add	9.50	
For Elevated Installation >10' To 15', Add	3.17	
For Elevated Installation >15' To 20', Add	6.33	
For Elevated Installation >20' To 25', Add	7.91	
For Elevated Installation >25' To 30', Add	11.08	
For Elevated Installation >30' To 35', Add	12.66	
For Elevated Installation >35' To 40', Add	15.83	
For Elevated Installation >40', Add	17.41	
26 05 33 13-0595 EA 2" Rigid Galvanized Steel (RGS) Pulling Elbow .....	65.50	18.47
For Work In Restricted Working Space, Add	11.08	
For Elevated Installation >10' To 15', Add	3.69	
For Elevated Installation >15' To 20', Add	7.39	
For Elevated Installation >20' To 25', Add	9.23	
For Elevated Installation >25' To 30', Add	12.93	
For Elevated Installation >30' To 35', Add	14.77	
For Elevated Installation >35' To 40', Add	18.47	
For Elevated Installation >40', Add	20.31	
26 05 33 13-0596 EA 2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow .....	89.38	21.11
For Work In Restricted Working Space, Add	12.66	
For Elevated Installation >10' To 15', Add	4.22	
For Elevated Installation >15' To 20', Add	8.44	
For Elevated Installation >20' To 25', Add	10.55	
For Elevated Installation >25' To 30', Add	14.77	
For Elevated Installation >30' To 35', Add	16.88	
For Elevated Installation >35' To 40', Add	21.11	
For Elevated Installation >40', Add	23.22	
26 05 33 13-0597 EA 3" Rigid Galvanized Steel (RGS) Pulling Elbow .....	152.70	26.38
For Work In Restricted Working Space, Add	15.83	
For Elevated Installation >10' To 15', Add	5.28	
For Elevated Installation >15' To 20', Add	10.55	
For Elevated Installation >20' To 25', Add	13.19	
For Elevated Installation >25' To 30', Add	18.47	
For Elevated Installation >30' To 35', Add	21.10	
For Elevated Installation >35' To 40', Add	26.38	
For Elevated Installation >40', Add	29.02	

- 26 05 33 13-0598 Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0058)  
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.
- 26 05 33 13-0599 Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0058)  
Note: Includes field bending conduit up to and including 1".

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0600	LF 1/2" Electrical Metallic Tubing (EMT) Conduit.....	4.63	1.59
	For Work In Restricted Working Space, Add	1.19	
	For >1,000, Deduct	-0.36	
	For Installation In Wood Stud Wall (Includes Drilling), Add	0.99	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.59	
	For >500 To 1,000, Deduct	-0.25	
	For Installation In Metal Stud Wall, Add	0.40	
	For Elevated Installation >10' To 15', Add	0.40	
	For Elevated Installation >15' To 20', Add	0.79	
	For Elevated Installation >20' To 25', Add	0.99	
	For Elevated Installation >25' To 30', Add	1.38	
	For Elevated Installation >30' To 35', Add	1.58	
	For Elevated Installation >35' To 40', Add	1.98	
	For Elevated Installation >40', Add	2.17	
	For >250 To 500, Deduct	-0.03	
	For Factory Applied Color Coating, Add	0.20	
26 05 33 13-0601	LF 3/4" Electrical Metallic Tubing (EMT) Conduit.....	5.46	1.76
	For Work In Restricted Working Space, Add	1.32	
	For >1,000, Deduct	-0.44	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.10	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.66	
	For >500 To 1,000, Deduct	-0.30	
	For Installation In Metal Stud Wall, Add	0.44	
	For Elevated Installation >10' To 15', Add	0.44	
	For Elevated Installation >15' To 20', Add	0.88	
	For Elevated Installation >20' To 25', Add	1.10	
	For Elevated Installation >25' To 30', Add	1.54	
	For Elevated Installation >30' To 35', Add	1.76	
	For Elevated Installation >35' To 40', Add	2.20	
	For Elevated Installation >40', Add	2.41	
	For >250 To 500, Deduct	-0.05	
	For Factory Applied Color Coating, Add	0.32	
26 05 33 13-0602	LF 1" Electrical Metallic Tubing (EMT) Conduit.....	6.62	1.94
	For Work In Restricted Working Space, Add	1.45	
	For >1,000, Deduct	-0.54	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.21	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.73	
	For >500 To 1,000, Deduct	-0.38	
	For Installation In Metal Stud Wall, Add	0.48	
	For Elevated Installation >10' To 15', Add	0.48	
	For Elevated Installation >15' To 20', Add	0.97	
	For Elevated Installation >20' To 25', Add	1.21	
	For Elevated Installation >25' To 30', Add	1.69	
	For Elevated Installation >30' To 35', Add	1.94	
	For Elevated Installation >35' To 40', Add	2.42	
	For Elevated Installation >40', Add	2.66	
	For >250 To 500, Deduct	-0.09	
	For Factory Applied Color Coating, Add	0.53	
26 05 33 13-0603	LF 1-1/4" Electrical Metallic Tubing (EMT) Conduit.....	8.26	2.18
	For Work In Restricted Working Space, Add	1.64	
	For >1,000, Deduct	-0.69	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.36	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.82	
	For >500 To 1,000, Deduct	-0.48	
	For Installation In Metal Stud Wall, Add	0.55	
	For Elevated Installation >10' To 15', Add	0.55	
	For Elevated Installation >15' To 20', Add	1.09	
	For Elevated Installation >20' To 25', Add	1.36	
	For Elevated Installation >25' To 30', Add	1.91	
	For Elevated Installation >30' To 35', Add	2.18	
	For Elevated Installation >35' To 40', Add	2.73	
	For Elevated Installation >40', Add	3.00	
	For >250 To 500, Deduct	-0.14	
	For Factory Applied Color Coating, Add	0.84	
26 05 33 13-0604	LF 1-1/2" Electrical Metallic Tubing (EMT) Conduit.....	9.66	2.46
	For Work In Restricted Working Space, Add	1.85	
	For >1,000, Deduct	-0.81	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.54	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.92	
	For >500 To 1,000, Deduct	-0.57	
	For Installation In Metal Stud Wall, Add	0.62	
	For Elevated Installation >10' To 15', Add	0.62	
	For Elevated Installation >15' To 20', Add	1.23	
	For Elevated Installation >20' To 25', Add	1.54	
	For Elevated Installation >25' To 30', Add	2.16	
	For Elevated Installation >30' To 35', Add	2.46	
	For Elevated Installation >35' To 40', Add	3.08	
	For Elevated Installation >40', Add	3.39	
	For >250 To 500, Deduct	-0.18	
	For Factory Applied Color Coating, Add	1.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0605 LF 2" Electrical Metallic Tubing (EMT) Conduit..... <i>For Work In Restricted Working Space, Add</i> <i>For &gt;1,000, Deduct</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For &gt;250 To 500, Deduct</i> <i>For Factory Applied Color Coating, Add</i>	11.18	2.81
26 05 33 13-0606 LF 2-1/2" Electrical Metallic Tubing (EMT) Conduit..... <i>For Work In Restricted Working Space, Add</i> <i>For &gt;1,000, Deduct</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For &gt;250 To 500, Deduct</i> <i>For Factory Applied Color Coating, Add</i>	14.50	3.34
26 05 33 13-0607 LF 3" Electrical Metallic Tubing (EMT) Conduit..... <i>For Work In Restricted Working Space, Add</i> <i>For &gt;1,000, Deduct</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For &gt;250 To 500, Deduct</i> <i>For Factory Applied Color Coating, Add</i>	17.36	3.87
26 05 33 13-0608 LF 3-1/2" Electrical Metallic Tubing (EMT) Conduit..... <i>For Work In Restricted Working Space, Add</i> <i>For &gt;1,000, Deduct</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For &gt;250 To 500, Deduct</i> <i>For Factory Applied Color Coating, Add</i>	21.71	4.57
26 05 33 13-0609 LF 4" Electrical Metallic Tubing (EMT) Conduit..... <i>For Work In Restricted Working Space, Add</i> <i>For &gt;1,000, Deduct</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For &gt;250 To 500, Deduct</i> <i>For Factory Applied Color Coating, Add</i>	28.36	7.13

26 05 33 13-0610 Electrical Metallic Tubing (EMT) 90 Degree Elbows (26 05 33 13-0598)  
 See CSI section 26 05 33 13-2224 for conduit field bending.

26 05 33 13-0611 Electrical Metallic Tubing (EMT) Set Screw Couplings (26 05 33 13-0598)

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0612	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	4.64	2.11
			<i>For Work In Restricted Working Space, Add</i>	1.32	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.44	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.88	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	1.76	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.20	
			<i>For Elevated Installation &gt;40', Add</i>	2.41	
26 05 33	13-0613	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	5.65	2.11
			<i>For Work In Restricted Working Space, Add</i>	1.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.06	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.32	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.11	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.64	
			<i>For Elevated Installation &gt;40', Add</i>	2.90	
26 05 33	13-0614	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	6.71	2.46
			<i>For Work In Restricted Working Space, Add</i>	1.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.62	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.23	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.54	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.15	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.46	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.08	
			<i>For Elevated Installation &gt;40', Add</i>	3.38	
26 05 33	13-0615	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	9.15	3.17
			<i>For Work In Restricted Working Space, Add</i>	2.38	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.79	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.58	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.98	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.17	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.96	
			<i>For Elevated Installation &gt;40', Add</i>	4.36	
26 05 33	13-0616	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	11.30	3.87
			<i>For Work In Restricted Working Space, Add</i>	2.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.97	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.93	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.42	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.87	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.84	
			<i>For Elevated Installation &gt;40', Add</i>	5.32	
26 05 33	13-0617	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	15.36	5.28
			<i>For Work In Restricted Working Space, Add</i>	3.96	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.32	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.64	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.30	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.28	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.60	
			<i>For Elevated Installation &gt;40', Add</i>	7.25	
26 05 33	13-0618	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	21.39	7.03
			<i>For Work In Restricted Working Space, Add</i>	5.28	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.76	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.52	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.40	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.16	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.80	
			<i>For Elevated Installation &gt;40', Add</i>	9.67	
26 05 33	13-0619	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	27.89	8.09
			<i>For Work In Restricted Working Space, Add</i>	6.59	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.20	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.40	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.69	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.79	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.99	
			<i>For Elevated Installation &gt;40', Add</i>	12.09	
26 05 33	13-0620	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	31.06	8.79
			<i>For Work In Restricted Working Space, Add</i>	7.91	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.64	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.23	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.19	
			<i>For Elevated Installation &gt;40', Add</i>	14.51	
26 05 33	13-0621	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	92.00	25.85
			<i>For Work In Restricted Working Space, Add</i>	25.10	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.37	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.73	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.92	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.28	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.47	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.84	
			<i>For Elevated Installation &gt;40', Add</i>	46.02	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

<b>26 05 33 13-0622</b>	<b>Electrical Metallic Tubing (EMT) Compression Couplings</b> <small>(26 05 33 13-0598)</small>		
26 05 33 13-0623	EA 1/2 Electrical Metallic Tubing (EMT) Compression Coupling .....	5.90	2.11
	For Work In Restricted Working Space, Add	1.58	
	For Elevated Installation >10' To 15', Add	0.53	
	For Elevated Installation >15' To 20', Add	1.06	
	For Elevated Installation >20' To 25', Add	1.32	
	For Elevated Installation >25' To 30', Add	1.85	
	For Elevated Installation >30' To 35', Add	2.11	
	For Elevated Installation >35' To 40', Add	2.64	
	For Elevated Installation >40', Add	2.90	
26 05 33 13-0624	EA 3/4" Electrical Metallic Tubing (EMT) Compression Coupling .....	6.85	2.46
	For Work In Restricted Working Space, Add	1.85	
	For Elevated Installation >10' To 15', Add	0.62	
	For Elevated Installation >15' To 20', Add	1.23	
	For Elevated Installation >20' To 25', Add	1.54	
	For Elevated Installation >25' To 30', Add	2.16	
	For Elevated Installation >30' To 35', Add	2.46	
	For Elevated Installation >35' To 40', Add	3.08	
	For Elevated Installation >40', Add	3.39	
26 05 33 13-0625	EA 1" Electrical Metallic Tubing (EMT) Compression Coupling .....	9.74	3.52
	For Work In Restricted Working Space, Add	2.64	
	For Elevated Installation >10' To 15', Add	0.88	
	For Elevated Installation >15' To 20', Add	1.76	
	For Elevated Installation >20' To 25', Add	2.20	
	For Elevated Installation >25' To 30', Add	3.08	
	For Elevated Installation >30' To 35', Add	3.52	
	For Elevated Installation >35' To 40', Add	4.40	
	For Elevated Installation >40', Add	4.83	
26 05 33 13-0626	EA 1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling .....	12.55	4.22
	For Work In Restricted Working Space, Add	3.17	
	For Elevated Installation >10' To 15', Add	1.06	
	For Elevated Installation >15' To 20', Add	2.11	
	For Elevated Installation >20' To 25', Add	2.64	
	For Elevated Installation >25' To 30', Add	3.69	
	For Elevated Installation >30' To 35', Add	4.22	
	For Elevated Installation >35' To 40', Add	5.28	
	For Elevated Installation >40', Add	5.80	
26 05 33 13-0627	EA 1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling .....	15.12	4.93
	For Work In Restricted Working Space, Add	3.69	
	For Elevated Installation >10' To 15', Add	1.23	
	For Elevated Installation >15' To 20', Add	2.46	
	For Elevated Installation >20' To 25', Add	3.08	
	For Elevated Installation >25' To 30', Add	4.31	
	For Elevated Installation >30' To 35', Add	4.92	
	For Elevated Installation >35' To 40', Add	6.16	
	For Elevated Installation >40', Add	6.77	
26 05 33 13-0628	EA 2" Electrical Metallic Tubing (EMT) Compression Coupling .....	20.25	6.33
	For Work In Restricted Working Space, Add	4.75	
	For Elevated Installation >10' To 15', Add	1.58	
	For Elevated Installation >15' To 20', Add	3.17	
	For Elevated Installation >20' To 25', Add	3.96	
	For Elevated Installation >25' To 30', Add	5.54	
	For Elevated Installation >30' To 35', Add	6.33	
	For Elevated Installation >35' To 40', Add	7.92	
	For Elevated Installation >40', Add	8.71	
26 05 33 13-0629	EA 2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling .....	32.65	8.44
	For Work In Restricted Working Space, Add	6.33	
	For Elevated Installation >10' To 15', Add	2.11	
	For Elevated Installation >15' To 20', Add	4.22	
	For Elevated Installation >20' To 25', Add	5.28	
	For Elevated Installation >25' To 30', Add	7.39	
	For Elevated Installation >30' To 35', Add	8.44	
	For Elevated Installation >35' To 40', Add	10.56	
	For Elevated Installation >40', Add	11.61	
26 05 33 13-0630	EA 3" Electrical Metallic Tubing (EMT) Compression Coupling .....	37.74	9.85
	For Work In Restricted Working Space, Add	7.39	
	For Elevated Installation >10' To 15', Add	2.46	
	For Elevated Installation >15' To 20', Add	4.92	
	For Elevated Installation >20' To 25', Add	6.16	
	For Elevated Installation >25' To 30', Add	8.62	
	For Elevated Installation >30' To 35', Add	9.85	
	For Elevated Installation >35' To 40', Add	12.31	
	For Elevated Installation >40', Add	13.54	
26 05 33 13-0631	EA 3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling .....	47.19	12.31
	For Work In Restricted Working Space, Add	9.23	
	For Elevated Installation >10' To 15', Add	3.08	
	For Elevated Installation >15' To 20', Add	6.16	
	For Elevated Installation >20' To 25', Add	7.70	
	For Elevated Installation >25' To 30', Add	10.77	
	For Elevated Installation >30' To 35', Add	12.31	
	For Elevated Installation >35' To 40', Add	15.39	
	For Elevated Installation >40', Add	16.93	
26 05 33 13-0632	EA 4" Electrical Metallic Tubing (EMT) Compression Coupling .....	60.49	15.83
	For Work In Restricted Working Space, Add	11.87	
	For Elevated Installation >10' To 15', Add	3.96	
	For Elevated Installation >15' To 20', Add	7.91	
	For Elevated Installation >20' To 25', Add	9.89	
	For Elevated Installation >25' To 30', Add	13.85	
	For Elevated Installation >30' To 35', Add	15.83	
	For Elevated Installation >35' To 40', Add	19.79	
	For Elevated Installation >40', Add	21.76	

## 26 Electrical

## 26 05 Common Work Results for Electrical

## 26 05 33 Raceway and Boxes for Electrical Systems

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 33 13-0633		Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw <sup>(26)</sup>			
		<small>05 33 13-0598</small>			
26 05 33 13-0634	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	4.59		1.76
		<i>For Work In Restricted Working Space, Add</i>	1.32		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.44		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	0.88		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.10		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	1.54		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	1.76		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	2.20		
		<i>For Elevated Installation &gt;40', Add</i>	2.41		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.32		
26 05 33 13-0635	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	5.60		2.11
		<i>For Work In Restricted Working Space, Add</i>	1.58		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.53		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.06		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.32		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	1.85		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	2.11		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	2.64		
		<i>For Elevated Installation &gt;40', Add</i>	2.90		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.58		
26 05 33 13-0636	EA	1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	6.73		2.46
		<i>For Work In Restricted Working Space, Add</i>	1.85		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.62		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.23		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.54		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.16		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	2.46		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	3.08		
		<i>For Elevated Installation &gt;40', Add</i>	3.39		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.85		
26 05 33 13-0637	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	9.83		3.52
		<i>For Work In Restricted Working Space, Add</i>	2.64		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.88		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.76		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.20		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.08		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	3.52		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	4.40		
		<i>For Elevated Installation &gt;40', Add</i>	4.83		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.64		
26 05 33 13-0638	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	12.06		4.22
		<i>For Work In Restricted Working Space, Add</i>	3.17		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.06		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.11		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.64		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.69		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	4.22		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	5.28		
		<i>For Elevated Installation &gt;40', Add</i>	5.80		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.17		
26 05 33 13-0639	EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	15.43		5.28
		<i>For Work In Restricted Working Space, Add</i>	3.96		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.32		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.64		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.30		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.62		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.28		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	6.60		
		<i>For Elevated Installation &gt;40', Add</i>	7.25		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96		
26 05 33 13-0640	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	23.82		7.03
		<i>For Work In Restricted Working Space, Add</i>	5.28		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.76		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.52		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.40		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.16		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.04		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.80		
		<i>For Elevated Installation &gt;40', Add</i>	9.67		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.28		
26 05 33 13-0641	EA	3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	29.60		8.79
		<i>For Work In Restricted Working Space, Add</i>	6.59		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.20		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.40		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.50		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	7.69		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	8.79		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	10.99		
		<i>For Elevated Installation &gt;40', Add</i>	12.09		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0642 EA 3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw .....	34.95	10.55
<i>For Work In Restricted Working Space, Add</i>	7.91	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.64	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.28	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.60	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.23	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.55	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.19	
<i>For Elevated Installation &gt;40', Add</i>	14.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.91	
26 05 33 13-0643 EA 4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw .....	40.70	12.31
<i>For Work In Restricted Working Space, Add</i>	9.23	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.08	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.16	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.70	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.77	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.31	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.39	
<i>For Elevated Installation &gt;40', Add</i>	16.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.23	
<b>26 05 33 13-0644 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw</b> <small>(26 05 33 13-0598)</small>		
26 05 33 13-0645 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	6.22	2.38
<i>For Work In Restricted Working Space, Add</i>	1.77	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.59	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.18	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.47	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.06	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.36	
<i>For Elevated Installation &gt;35' To 40', Add</i>	2.95	
<i>For Elevated Installation &gt;40', Add</i>	3.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.77	
26 05 33 13-0646 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	6.95	2.55
<i>For Work In Restricted Working Space, Add</i>	1.93	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.64	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.28	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.61	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.25	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.57	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.21	
<i>For Elevated Installation &gt;40', Add</i>	3.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.93	
26 05 33 13-0647 EA 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	8.77	3.17
<i>For Work In Restricted Working Space, Add</i>	2.35	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.78	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.56	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.96	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.74	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.13	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.91	
<i>For Elevated Installation &gt;40', Add</i>	4.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.35	
26 05 33 13-0648 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	11.60	4.04
<i>For Work In Restricted Working Space, Add</i>	3.01	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.00	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.00	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.51	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.51	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.01	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.01	
<i>For Elevated Installation &gt;40', Add</i>	5.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.01	
26 05 33 13-0649 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	13.80	4.66
<i>For Work In Restricted Working Space, Add</i>	3.51	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.17	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.34	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.93	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.10	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.68	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.85	
<i>For Elevated Installation &gt;40', Add</i>	6.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.51	
26 05 33 13-0650 EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	16.94	5.63
<i>For Work In Restricted Working Space, Add</i>	4.22	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.41	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.81	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.52	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.92	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.62	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.03	
<i>For Elevated Installation &gt;40', Add</i>	7.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0651	EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	28.96	7.82
	<i>For Work In Restricted Working Space, Add</i>	5.86	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.95	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	3.90	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	4.88	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	6.83	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	7.81	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	9.76	
	<i>For Elevated Installation &gt;40', Add</i>	10.74	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.86	
26 05 33 13-0652	EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	37.31	10.37
	<i>For Work In Restricted Working Space, Add</i>	7.81	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.60	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	5.20	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	6.51	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	9.11	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	10.41	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	13.01	
	<i>For Elevated Installation &gt;40', Add</i>	14.31	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.81	
26 05 33 13-0653	EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	47.62	13.36
	<i>For Work In Restricted Working Space, Add</i>	10.05	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.35	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	6.70	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	8.38	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	11.73	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	13.40	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	16.75	
	<i>For Elevated Installation &gt;40', Add</i>	18.43	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.05	
26 05 33 13-0654	EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	59.50	17.59
	<i>For Work In Restricted Working Space, Add</i>	13.19	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.40	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	8.79	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	10.99	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	15.39	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	17.59	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	21.99	
	<i>For Elevated Installation &gt;40', Add</i>	24.18	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.19	
26 05 33 13-0655	<b>Electrical Metallic Tubing (EMT) Straight Box Compression Connectors</b> <small>(26 05 33</small>		
	<small>13-0658)</small>		
26 05 33 13-0656	EA 1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	5.60	2.11
	<i>For Work In Restricted Working Space, Add</i>	1.58	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	0.53	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	1.06	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	1.32	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	1.85	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	2.11	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	2.64	
	<i>For Elevated Installation &gt;40', Add</i>	2.90	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.58	
26 05 33 13-0657	EA 3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	6.65	2.46
	<i>For Work In Restricted Working Space, Add</i>	1.85	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	0.62	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	1.23	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	1.54	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	2.16	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	2.46	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	3.08	
	<i>For Elevated Installation &gt;40', Add</i>	3.39	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.85	
26 05 33 13-0658	EA 1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	9.49	3.52
	<i>For Work In Restricted Working Space, Add</i>	2.64	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	0.88	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	1.76	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.20	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	3.08	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	3.52	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	4.40	
	<i>For Elevated Installation &gt;40', Add</i>	4.83	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.64	
26 05 33 13-0659	EA 1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	11.86	4.22
	<i>For Work In Restricted Working Space, Add</i>	3.17	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.06	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.11	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.64	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	3.69	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	4.22	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	5.28	
	<i>For Elevated Installation &gt;40', Add</i>	5.80	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0660	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	14.16	4.93
			<i>For Work In Restricted Working Space, Add</i>	3.69	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.23	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.46	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.08	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.31	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.92	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.16	
			<i>For Elevated Installation &gt;40', Add</i>	6.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.69	
26 05 33	13-0661	EA	2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	18.51	6.33
			<i>For Work In Restricted Working Space, Add</i>	4.75	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.58	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.17	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.96	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.33	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.92	
			<i>For Elevated Installation &gt;40', Add</i>	8.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.75	
26 05 33	13-0662	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	29.18	8.44
			<i>For Work In Restricted Working Space, Add</i>	6.33	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.11	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.44	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.56	
			<i>For Elevated Installation &gt;40', Add</i>	11.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.33	
26 05 33	13-0663	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	36.94	10.55
			<i>For Work In Restricted Working Space, Add</i>	7.91	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.64	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.23	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.19	
			<i>For Elevated Installation &gt;40', Add</i>	14.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.91	
26 05 33	13-0664	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	47.05	12.31
			<i>For Work In Restricted Working Space, Add</i>	9.23	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.70	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.31	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.39	
			<i>For Elevated Installation &gt;40', Add</i>	16.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.23	
26 05 33	13-0665	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	52.81	14.06
			<i>For Work In Restricted Working Space, Add</i>	10.55	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.03	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.79	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.31	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.59	
			<i>For Elevated Installation &gt;40', Add</i>	19.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.55	
26 05 33	13-0666		<b>Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors</b> <small>(26 05 33 13-0598)</small>		
26 05 33	13-0667	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	6.44	2.38
			<i>For Work In Restricted Working Space, Add</i>	1.77	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.59	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.18	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.47	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.06	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.36	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.95	
			<i>For Elevated Installation &gt;40', Add</i>	3.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.77	
26 05 33	13-0668	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	7.19	2.55
			<i>For Work In Restricted Working Space, Add</i>	1.93	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.64	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.61	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.25	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.57	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.21	
			<i>For Elevated Installation &gt;40', Add</i>	3.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.93	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0669	EA 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	8.96	3.17
	<i>For Work In Restricted Working Space, Add</i>	2.35	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	0.78	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	1.56	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	1.96	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	2.74	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	3.13	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	3.91	
	<i>For Elevated Installation &gt;40', Add</i>	4.30	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.35	
26 05 33 13-0670	EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	12.15	4.04
	<i>For Work In Restricted Working Space, Add</i>	3.01	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.00	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.00	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.51	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	3.51	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	4.01	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	5.01	
	<i>For Elevated Installation &gt;40', Add</i>	5.51	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.01	
26 05 33 13-0671	EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	14.72	4.66
	<i>For Work In Restricted Working Space, Add</i>	3.51	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.17	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.34	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.93	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	4.10	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	4.68	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	5.85	
	<i>For Elevated Installation &gt;40', Add</i>	6.44	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.51	
26 05 33 13-0672	EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	18.28	5.63
	<i>For Work In Restricted Working Space, Add</i>	4.22	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.41	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.81	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	3.52	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	4.92	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	5.62	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	7.03	
	<i>For Elevated Installation &gt;40', Add</i>	7.73	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 05 33 13-0673	EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	33.83	7.82
	<i>For Work In Restricted Working Space, Add</i>	5.86	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.95	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	3.90	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	4.88	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	6.83	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	7.81	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	9.76	
	<i>For Elevated Installation &gt;40', Add</i>	10.74	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.86	
26 05 33 13-0674	EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	45.49	10.37
	<i>For Work In Restricted Working Space, Add</i>	7.81	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.60	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	5.20	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	6.51	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	9.11	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	10.41	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	13.01	
	<i>For Elevated Installation &gt;40', Add</i>	14.31	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.81	
26 05 33 13-0675	EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	61.95	13.36
	<i>For Work In Restricted Working Space, Add</i>	10.05	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.35	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	6.70	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	8.38	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	11.73	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	13.40	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	16.75	
	<i>For Elevated Installation &gt;40', Add</i>	18.43	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.05	
26 05 33 13-0676	EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	77.25	17.59
	<i>For Work In Restricted Working Space, Add</i>	13.19	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.40	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	8.79	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	10.99	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	15.39	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	17.59	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	21.99	
	<i>For Elevated Installation &gt;40', Add</i>	24.18	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.19	

26 05 33 13-0677 Electrical Metallic Tubing (EMT) Expansion Coupling (26 05 33 13-0598)

Note: Excludes jumper.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0678 EA 1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	51.83	11.70
For Work In Restricted Working Space, Add	8.78	
For Elevated Installation >10' To 15', Add	2.93	
For Elevated Installation >15' To 20', Add	5.85	
For Elevated Installation >20' To 25', Add	7.32	
For Elevated Installation >25' To 30', Add	10.24	
For Elevated Installation >30' To 35', Add	11.70	
For Elevated Installation >35' To 40', Add	14.63	
For Elevated Installation >40', Add	16.09	
26 05 33 13-0679 EA 3/4" Electrical Metallic Tubing (EMT) Expansion Coupling .....	62.39	14.16
For Work In Restricted Working Space, Add	10.64	
For Elevated Installation >10' To 15', Add	3.55	
For Elevated Installation >15' To 20', Add	7.09	
For Elevated Installation >20' To 25', Add	8.87	
For Elevated Installation >25' To 30', Add	12.41	
For Elevated Installation >30' To 35', Add	14.19	
For Elevated Installation >35' To 40', Add	17.74	
For Elevated Installation >40', Add	19.51	
26 05 33 13-0680 EA 1" Electrical Metallic Tubing (EMT) Expansion Coupling .....	76.48	17.77
For Work In Restricted Working Space, Add	13.30	
For Elevated Installation >10' To 15', Add	4.43	
For Elevated Installation >15' To 20', Add	8.87	
For Elevated Installation >20' To 25', Add	11.09	
For Elevated Installation >25' To 30', Add	15.52	
For Elevated Installation >30' To 35', Add	17.74	
For Elevated Installation >35' To 40', Add	22.17	
For Elevated Installation >40', Add	24.39	
26 05 33 13-0681 EA 1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling .....	99.57	21.81
For Work In Restricted Working Space, Add	16.36	
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.91	
For Elevated Installation >20' To 25', Add	13.64	
For Elevated Installation >25' To 30', Add	19.09	
For Elevated Installation >30' To 35', Add	21.82	
For Elevated Installation >35' To 40', Add	27.27	
For Elevated Installation >40', Add	30.00	
26 05 33 13-0682 EA 1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	124.65	25.59
For Work In Restricted Working Space, Add	19.19	
For Elevated Installation >10' To 15', Add	6.40	
For Elevated Installation >15' To 20', Add	12.79	
For Elevated Installation >20' To 25', Add	15.99	
For Elevated Installation >25' To 30', Add	22.39	
For Elevated Installation >30' To 35', Add	25.59	
For Elevated Installation >35' To 40', Add	31.99	
For Elevated Installation >40', Add	35.18	
26 05 33 13-0683 EA 2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	156.81	31.13
For Work In Restricted Working Space, Add	23.37	
For Elevated Installation >10' To 15', Add	7.79	
For Elevated Installation >15' To 20', Add	15.58	
For Elevated Installation >20' To 25', Add	19.48	
For Elevated Installation >25' To 30', Add	27.27	
For Elevated Installation >30' To 35', Add	31.16	
For Elevated Installation >35' To 40', Add	38.95	
For Elevated Installation >40', Add	42.85	
26 05 33 13-0684 EA 2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	311.28	40.01
For Work In Restricted Working Space, Add	30.02	
For Elevated Installation >10' To 15', Add	10.01	
For Elevated Installation >15' To 20', Add	20.01	
For Elevated Installation >20' To 25', Add	25.01	
For Elevated Installation >25' To 30', Add	35.02	
For Elevated Installation >30' To 35', Add	40.02	
For Elevated Installation >35' To 40', Add	50.03	
For Elevated Installation >40', Add	55.03	
26 05 33 13-0685 EA 3" Electrical Metallic Tubing (EMT) Expansion Coupling .....	382.03	46.78
For Work In Restricted Working Space, Add	35.09	
For Elevated Installation >10' To 15', Add	11.70	
For Elevated Installation >15' To 20', Add	23.40	
For Elevated Installation >20' To 25', Add	29.25	
For Elevated Installation >25' To 30', Add	40.94	
For Elevated Installation >30' To 35', Add	46.79	
For Elevated Installation >35' To 40', Add	58.49	
For Elevated Installation >40', Add	64.34	
26 05 33 13-0686 EA 3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	473.16	51.00
For Work In Restricted Working Space, Add	38.26	
For Elevated Installation >10' To 15', Add	12.75	
For Elevated Installation >15' To 20', Add	25.51	
For Elevated Installation >20' To 25', Add	31.89	
For Elevated Installation >25' To 30', Add	44.64	
For Elevated Installation >30' To 35', Add	51.02	
For Elevated Installation >35' To 40', Add	63.77	
For Elevated Installation >40', Add	70.15	
26 05 33 13-0687 EA 4" Electrical Metallic Tubing (EMT) Expansion Coupling .....	511.46	56.28
For Work In Restricted Working Space, Add	42.22	
For Elevated Installation >10' To 15', Add	14.07	
For Elevated Installation >15' To 20', Add	28.15	
For Elevated Installation >20' To 25', Add	35.18	
For Elevated Installation >25' To 30', Add	49.26	
For Elevated Installation >30' To 35', Add	56.29	
For Elevated Installation >35' To 40', Add	70.37	
For Elevated Installation >40', Add	77.40	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0688			<b>Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters</b>		
26 05 33 13-0689	EA		1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	9.16	3.17
			<i>For Work In Restricted Working Space, Add</i>	2.34	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.78	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.56	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.95	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.73	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.90	
			<i>For Elevated Installation &gt;40', Add</i>	4.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.34	
26 05 33 13-0690	EA		1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	9.90	3.17
			<i>For Work In Restricted Working Space, Add</i>	2.34	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.78	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.56	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.95	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.73	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.90	
			<i>For Elevated Installation &gt;40', Add</i>	4.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.34	
26 05 33 13-0691	EA		3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	11.09	3.43
			<i>For Work In Restricted Working Space, Add</i>	2.60	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.87	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.04	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.47	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.34	
			<i>For Elevated Installation &gt;40', Add</i>	4.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.60	
26 05 33 13-0692	EA		1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	12.96	3.95
			<i>For Work In Restricted Working Space, Add</i>	2.96	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.47	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.45	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.95	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.94	
			<i>For Elevated Installation &gt;40', Add</i>	5.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.96	
26 05 33 13-0693	EA		1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	18.95	4.75
			<i>For Work In Restricted Working Space, Add</i>	3.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.99	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.18	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.78	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.97	
			<i>For Elevated Installation &gt;40', Add</i>	6.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.58	
26 05 33 13-0694	EA		1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	23.39	5.45
			<i>For Work In Restricted Working Space, Add</i>	4.09	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.73	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.46	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.82	
			<i>For Elevated Installation &gt;40', Add</i>	7.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.09	
26 05 33 13-0695	EA		2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	30.65	6.86
			<i>For Work In Restricted Working Space, Add</i>	5.12	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.41	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.26	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.97	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.82	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.53	
			<i>For Elevated Installation &gt;40', Add</i>	9.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.12	
26 05 33 13-0696			<b>Electrical Metallic Tubing (EMT) Pulling Elbows</b>		
26 05 33 13-0697	EA		1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws.....	19.37	7.92
			<i>For Work In Restricted Working Space, Add</i>	4.75	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.75	
26 05 33 13-0698	EA		3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws.....	22.57	9.23
			<i>For Work In Restricted Working Space, Add</i>	5.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33 13-0699	EA		1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws.....	28.44	10.55
			<i>For Work In Restricted Working Space, Add</i>	6.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.33	
26 05 33 13-0700	EA		1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws.....	36.47	13.19
			<i>For Work In Restricted Working Space, Add</i>	7.91	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.91	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

26 05 33 13-0701	Intermediate Metal Conduit (IMC) <small>(26 05 33 13-0058)</small>		
	Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0702	Intermediate Metal Conduit (IMC) Conduit <small>(26 05 33 13-0701)</small>		
	Note: Includes field bending conduit up to 1".		
26 05 33 13-0703	LF 1/2" Intermediate Metal Conduit (IMC) Conduit.....	6.22	1.76
	For Installation In Metal Stub Wall, Add	0.44	
	For >1,000, Deduct	-0.18	
	For Elevated Installation >10' To 15', Add	0.44	
	For Elevated Installation >15' To 20', Add	0.88	
	For Elevated Installation >20' To 25', Add	1.10	
	For Elevated Installation >25' To 30', Add	1.54	
	For Elevated Installation >30' To 35', Add	1.76	
	For Elevated Installation >35' To 40', Add	2.20	
	For Elevated Installation >40', Add	2.41	
	For Work In Restricted Working Space, Add	1.32	
	For >500 To 1,000, Deduct	-0.14	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.66	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.10	
	For >250 To 500, Deduct	-0.09	
26 05 33 13-0704	LF 3/4" Intermediate Metal Conduit (IMC) Conduit.....	7.03	1.94
	For Installation In Metal Stub Wall, Add	0.48	
	For >1,000, Deduct	-0.22	
	For Elevated Installation >10' To 15', Add	0.48	
	For Elevated Installation >15' To 20', Add	0.97	
	For Elevated Installation >20' To 25', Add	1.21	
	For Elevated Installation >25' To 30', Add	1.69	
	For Elevated Installation >30' To 35', Add	1.94	
	For Elevated Installation >35' To 40', Add	2.42	
	For Elevated Installation >40', Add	2.66	
	For Work In Restricted Working Space, Add	1.45	
	For >500 To 1,000, Deduct	-0.16	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.73	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.21	
	For >250 To 500, Deduct	-0.11	
26 05 33 13-0705	LF 1" Intermediate Metal Conduit (IMC) Conduit .....	8.66	2.11
	For Installation In Metal Stub Wall, Add	0.53	
	For >1,000, Deduct	-0.34	
	For Elevated Installation >10' To 15', Add	0.53	
	For Elevated Installation >15' To 20', Add	1.06	
	For Elevated Installation >20' To 25', Add	1.32	
	For Elevated Installation >25' To 30', Add	1.85	
	For Elevated Installation >30' To 35', Add	2.11	
	For Elevated Installation >35' To 40', Add	2.64	
	For Elevated Installation >40', Add	2.90	
	For Work In Restricted Working Space, Add	1.58	
	For >500 To 1,000, Deduct	-0.25	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.79	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.32	
	For >250 To 500, Deduct	-0.17	
26 05 33 13-0706	LF 1-1/4" Intermediate Metal Conduit (IMC) Conduit .....	10.44	4.22
	For Installation In Metal Stub Wall, Add	0.62	
	For >1,000, Deduct	-0.43	
	For Elevated Installation >10' To 15', Add	0.62	
	For Elevated Installation >15' To 20', Add	1.23	
	For Elevated Installation >20' To 25', Add	1.54	
	For Elevated Installation >25' To 30', Add	2.16	
	For Elevated Installation >30' To 35', Add	2.46	
	For Elevated Installation >35' To 40', Add	3.08	
	For Elevated Installation >40', Add	3.39	
	For Work In Restricted Working Space, Add	1.85	
	For >500 To 1,000, Deduct	-0.32	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.92	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.54	
	For >250 To 500, Deduct	-0.21	
26 05 33 13-0707	LF 1-1/2" Intermediate Metal Conduit (IMC) Conduit .....	12.08	2.81
	For Installation In Metal Stub Wall, Add	0.70	
	For >1,000, Deduct	-0.51	
	For Elevated Installation >10' To 15', Add	0.70	
	For Elevated Installation >15' To 20', Add	1.41	
	For Elevated Installation >20' To 25', Add	1.76	
	For Elevated Installation >25' To 30', Add	2.46	
	For Elevated Installation >30' To 35', Add	2.81	
	For Elevated Installation >35' To 40', Add	3.52	
	For Elevated Installation >40', Add	3.87	
	For Work In Restricted Working Space, Add	2.11	
	For >500 To 1,000, Deduct	-0.38	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.05	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.76	
	For >250 To 500, Deduct	-0.25	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0708	LF	2" Intermediate Metal Conduit (IMC) Conduit.....	14.77	3.17
		For Installation In Metal Stub Wall, Add	0.79	
		For >1,000, Deduct	-0.69	
		For Elevated Installation >10' To 15', Add	0.79	
		For Elevated Installation >15' To 20', Add	1.58	
		For Elevated Installation >20' To 25', Add	1.98	
		For Elevated Installation >25' To 30', Add	2.77	
		For Elevated Installation >30' To 35', Add	3.17	
		For Elevated Installation >35' To 40', Add	3.96	
		For Elevated Installation >40', Add	4.36	
		For Work In Restricted Working Space, Add	2.38	
		For >500 To 1,000, Deduct	-0.51	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.19	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.98	
		For >250 To 500, Deduct	-0.34	
26 05 33 13-0709	LF	2-1/2" Intermediate Metal Conduit (IMC) Conduit .....	25.73	4.22
		For Installation In Metal Stub Wall, Add	1.06	
		For >1,000, Deduct	-1.52	
		For Elevated Installation >10' To 15', Add	1.06	
		For Elevated Installation >15' To 20', Add	2.11	
		For Elevated Installation >20' To 25', Add	2.64	
		For Elevated Installation >25' To 30', Add	3.69	
		For Elevated Installation >30' To 35', Add	4.22	
		For Elevated Installation >35' To 40', Add	5.28	
		For Elevated Installation >40', Add	5.80	
		For Work In Restricted Working Space, Add	3.17	
		For >500 To 1,000, Deduct	-1.14	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.58	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.64	
		For >250 To 500, Deduct	-0.76	
26 05 33 13-0710	LF	3" Intermediate Metal Conduit (IMC) Conduit.....	31.87	5.28
		For Installation In Metal Stub Wall, Add	1.32	
		For >1,000, Deduct	-1.87	
		For Elevated Installation >10' To 15', Add	1.32	
		For Elevated Installation >15' To 20', Add	2.64	
		For Elevated Installation >20' To 25', Add	3.30	
		For Elevated Installation >25' To 30', Add	4.62	
		For Elevated Installation >30' To 35', Add	5.28	
		For Elevated Installation >35' To 40', Add	6.60	
		For Elevated Installation >40', Add	7.25	
		For Work In Restricted Working Space, Add	3.96	
		For >500 To 1,000, Deduct	-1.40	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.98	
		For Installation In Wood Stud Wall (Includes Drilling), Add	3.30	
		For >250 To 500, Deduct	-0.93	
26 05 33 13-0711	LF	3-1/2" Intermediate Metal Conduit (IMC) Conduit .....	37.47	6.33
		For Installation In Metal Stub Wall, Add	1.58	
		For >1,000, Deduct	-2.16	
		For Elevated Installation >10' To 15', Add	1.58	
		For Elevated Installation >15' To 20', Add	3.17	
		For Elevated Installation >20' To 25', Add	3.96	
		For Elevated Installation >25' To 30', Add	5.54	
		For Elevated Installation >30' To 35', Add	6.33	
		For Elevated Installation >35' To 40', Add	7.92	
		For Elevated Installation >40', Add	8.71	
		For Work In Restricted Working Space, Add	4.75	
		For >500 To 1,000, Deduct	-1.62	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.37	
		For Installation In Wood Stud Wall (Includes Drilling), Add	3.96	
		For >250 To 500, Deduct	-1.08	
26 05 33 13-0712	LF	4" Intermediate Metal Conduit (IMC) Conduit.....	43.93	7.38
		For Installation In Metal Stub Wall, Add	1.85	
		For >1,000, Deduct	-2.55	
		For Elevated Installation >10' To 15', Add	1.85	
		For Elevated Installation >15' To 20', Add	3.69	
		For Elevated Installation >20' To 25', Add	4.62	
		For Elevated Installation >25' To 30', Add	6.46	
		For Elevated Installation >30' To 35', Add	7.39	
		For Elevated Installation >35' To 40', Add	9.24	
		For Elevated Installation >40', Add	10.16	
		For Work In Restricted Working Space, Add	5.54	
		For >500 To 1,000, Deduct	-1.91	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.77	
		For Installation In Wood Stud Wall (Includes Drilling), Add	4.62	
		For >250 To 500, Deduct	-1.27	
26 05 33 13-0713		<b>Intermediate Metal Conduit (IMC) 90 Degree Elbows</b> <small>(26 05 33 13-0701)</small>		
		See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0714	EA	1" Intermediate Metal Conduit (IMC) 90 Degree Elbow.....	48.65	13.28
		For Elevated Installation >10' To 15', Add	3.31	
		For Elevated Installation >15' To 20', Add	6.62	
		For Elevated Installation >20' To 25', Add	8.28	
		For Elevated Installation >25' To 30', Add	11.59	
		For Elevated Installation >30' To 35', Add	13.24	
		For Elevated Installation >35' To 40', Add	16.56	
		For Elevated Installation >40', Add	18.21	
		For Work In Restricted Working Space, Add	9.93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0715	EA	1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	60.23	15.39
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.84	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.61	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.45	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.22	
			<i>For Elevated Installation &gt;40', Add</i>	21.14	
			<i>For Work In Restricted Working Space, Add</i>	11.53	
26 05 33	13-0716	EA	1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	71.67	17.68
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.41	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.82	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.03	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.44	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.65	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	22.06	
			<i>For Elevated Installation &gt;40', Add</i>	24.27	
			<i>For Work In Restricted Working Space, Add</i>	13.24	
26 05 33	13-0717	EA	2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	88.19	19.43
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.85	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.71	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.99	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.41	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.27	
			<i>For Elevated Installation &gt;40', Add</i>	26.69	
			<i>For Work In Restricted Working Space, Add</i>	14.56	
26 05 33	13-0718	EA	2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	128.01	24.27
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.07	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.13	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.23	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.27	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.34	
			<i>For Elevated Installation &gt;40', Add</i>	33.37	
			<i>For Work In Restricted Working Space, Add</i>	18.20	
26 05 33	13-0719	EA	3" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	185.73	33.07
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.26	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.66	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	28.92	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.32	
			<i>For Elevated Installation &gt;40', Add</i>	45.45	
			<i>For Work In Restricted Working Space, Add</i>	24.79	
26 05 33	13-0720	EA	3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	275.22	37.28
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.32	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.64	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	23.31	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	32.63	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	37.29	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	46.61	
			<i>For Elevated Installation &gt;40', Add</i>	51.27	
			<i>For Work In Restricted Working Space, Add</i>	27.97	
26 05 33	13-0721	EA	4" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	332.44	48.54
			<i>For Elevated Installation &gt;10' To 15', Add</i>	12.13	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	24.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	30.33	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	42.46	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	48.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	60.66	
			<i>For Elevated Installation &gt;40', Add</i>	66.73	
			<i>For Work In Restricted Working Space, Add</i>	36.40	
26 05 33	13-0722		<b>Intermediate Metal Conduit (IMC) Bushing Sets With Locknut</b> <small>(26 05 33 13-0701)</small>		
26 05 33	13-0723	EA	1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	12.11	4.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.43	
26 05 33	13-0724	EA	3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	14.34	0.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96	
26 05 33	13-0725	EA	1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	18.63	6.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 33	13-0726	EA	1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	22.78	8.09
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.07	
26 05 33	13-0727	EA	1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	25.63	8.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 05 33	13-0728	EA	2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	33.28	10.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33	13-0729	EA	2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	62.74	17.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.19	
26 05 33	13-0730	EA	3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	76.49	23.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.94	
26 05 33	13-0731	EA	3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	101.41	28.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.37	
26 05 33	13-0732	EA	4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	119.97	33.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.80	
26 05 33	13-0733		<b>Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings</b> <small>(26 05 33 13-0701)</small>		
			Note: 3-Piece coupling.		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0734	EA	1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting .....	40.43	14.06
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
			<i>For Elevated Installation &gt;40', Add</i>	19.37	
			<i>For Work In Restricted Working Space, Add</i>	10.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33	13-0735	EA	3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting .....	46.03	15.74
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.93	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.83	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.65	
			<i>For Elevated Installation &gt;40', Add</i>	21.62	
			<i>For Work In Restricted Working Space, Add</i>	11.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.79	
26 05 33	13-0736	EA	1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting .....	56.75	17.50
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.38	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.76	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.95	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.51	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.89	
			<i>For Elevated Installation &gt;40', Add</i>	24.08	
			<i>For Work In Restricted Working Space, Add</i>	13.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.13	
26 05 33	13-0737	EA	1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting .....	71.78	19.17
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.79	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.58	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.98	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.96	
			<i>For Elevated Installation &gt;40', Add</i>	26.35	
			<i>For Work In Restricted Working Space, Add</i>	14.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.37	
26 05 33	13-0738	EA	1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting .....	82.36	20.93
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.24	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.48	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.96	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.21	
			<i>For Elevated Installation &gt;40', Add</i>	28.83	
			<i>For Work In Restricted Working Space, Add</i>	15.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.72	
26 05 33	13-0739	EA	2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting .....	116.67	22.68
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.68	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.35	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.87	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.70	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.38	
			<i>For Elevated Installation &gt;40', Add</i>	31.22	
			<i>For Work In Restricted Working Space, Add</i>	17.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.03	
26 05 33	13-0740	EA	2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting .....	198.49	28.14
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.03	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.07	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.59	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.14	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.17	
			<i>For Elevated Installation &gt;40', Add</i>	38.69	
			<i>For Work In Restricted Working Space, Add</i>	21.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.10	
26 05 33	13-0741	EA	3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting .....	283.35	35.17
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.79	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.59	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.98	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	30.78	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	35.17	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	43.97	
			<i>For Elevated Installation &gt;40', Add</i>	48.36	
			<i>For Work In Restricted Working Space, Add</i>	26.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.38	
26 05 33	13-0742	EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting .....	419.52	42.21
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.56	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.39	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	36.95	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	52.78	
			<i>For Elevated Installation &gt;40', Add</i>	58.06	
			<i>For Work In Restricted Working Space, Add</i>	31.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.67	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0743	EA		4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	485.93	45.73
				For Elevated Installation >10' To 15', Add	11.43	
				For Elevated Installation >15' To 20', Add	22.86	
				For Elevated Installation >20' To 25', Add	28.58	
				For Elevated Installation >25' To 30', Add	40.01	
				For Elevated Installation >30' To 35', Add	45.72	
				For Elevated Installation >35' To 40', Add	57.15	
				For Elevated Installation >40', Add	62.87	
				For Work In Restricted Working Space, Add	34.29	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.29	
26 05 33	13-0744			<b>Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors</b> <small>(26 05 33 13-0701)</small>		
26 05 33	13-0745	EA		1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	23.28	7.03
				For Elevated Installation >10' To 15', Add	1.76	
				For Elevated Installation >15' To 20', Add	3.52	
				For Elevated Installation >20' To 25', Add	4.40	
				For Elevated Installation >25' To 30', Add	6.16	
				For Elevated Installation >30' To 35', Add	7.04	
				For Elevated Installation >35' To 40', Add	8.80	
				For Elevated Installation >40', Add	9.67	
				For Work In Restricted Working Space, Add	5.28	
26 05 33	13-0746	EA		3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	26.07	7.73
				For Elevated Installation >10' To 15', Add	1.93	
				For Elevated Installation >15' To 20', Add	3.87	
				For Elevated Installation >20' To 25', Add	4.84	
				For Elevated Installation >25' To 30', Add	6.77	
				For Elevated Installation >30' To 35', Add	7.74	
				For Elevated Installation >35' To 40', Add	9.67	
				For Elevated Installation >40', Add	10.64	
				For Work In Restricted Working Space, Add	5.80	
26 05 33	13-0747	EA		1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	29.99	8.79
				For Elevated Installation >10' To 15', Add	2.20	
				For Elevated Installation >15' To 20', Add	4.40	
				For Elevated Installation >20' To 25', Add	5.50	
				For Elevated Installation >25' To 30', Add	7.69	
				For Elevated Installation >30' To 35', Add	8.79	
				For Elevated Installation >35' To 40', Add	10.99	
				For Elevated Installation >40', Add	12.09	
				For Work In Restricted Working Space, Add	6.59	
26 05 33	13-0748	EA		1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	34.31	9.50
				For Elevated Installation >10' To 15', Add	2.37	
				For Elevated Installation >15' To 20', Add	4.75	
				For Elevated Installation >20' To 25', Add	5.94	
				For Elevated Installation >25' To 30', Add	8.31	
				For Elevated Installation >30' To 35', Add	9.50	
				For Elevated Installation >35' To 40', Add	11.87	
				For Elevated Installation >40', Add	13.06	
				For Work In Restricted Working Space, Add	7.12	
26 05 33	13-0749	EA		1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	41.12	10.55
				For Elevated Installation >10' To 15', Add	2.64	
				For Elevated Installation >15' To 20', Add	5.28	
				For Elevated Installation >20' To 25', Add	6.60	
				For Elevated Installation >25' To 30', Add	9.23	
				For Elevated Installation >30' To 35', Add	10.55	
				For Elevated Installation >35' To 40', Add	13.19	
				For Elevated Installation >40', Add	14.51	
				For Work In Restricted Working Space, Add	7.91	
26 05 33	13-0750	EA		2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	50.80	11.61
				For Elevated Installation >10' To 15', Add	2.90	
				For Elevated Installation >15' To 20', Add	5.80	
				For Elevated Installation >20' To 25', Add	7.26	
				For Elevated Installation >25' To 30', Add	10.16	
				For Elevated Installation >30' To 35', Add	11.61	
				For Elevated Installation >35' To 40', Add	14.51	
				For Elevated Installation >40', Add	15.96	
				For Work In Restricted Working Space, Add	8.71	
26 05 33	13-0751	EA		2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	70.09	14.06
				For Elevated Installation >10' To 15', Add	3.52	
				For Elevated Installation >15' To 20', Add	7.03	
				For Elevated Installation >20' To 25', Add	8.79	
				For Elevated Installation >25' To 30', Add	12.31	
				For Elevated Installation >30' To 35', Add	14.07	
				For Elevated Installation >35' To 40', Add	17.59	
				For Elevated Installation >40', Add	19.34	
				For Work In Restricted Working Space, Add	10.55	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0752	EA 3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector .....	86.58	17.59
	For Elevated Installation >10' To 15', Add	4.40	
	For Elevated Installation >15' To 20', Add	8.79	
	For Elevated Installation >20' To 25', Add	10.99	
	For Elevated Installation >25' To 30', Add	15.39	
	For Elevated Installation >30' To 35', Add	17.59	
	For Elevated Installation >35' To 40', Add	21.99	
	For Elevated Installation >40', Add	24.18	
	For Work In Restricted Working Space, Add	13.19	
26 05 33 13-0753	EA 3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector .....	104.02	21.11
	For Elevated Installation >10' To 15', Add	5.28	
	For Elevated Installation >15' To 20', Add	10.55	
	For Elevated Installation >20' To 25', Add	13.19	
	For Elevated Installation >25' To 30', Add	18.47	
	For Elevated Installation >30' To 35', Add	21.10	
	For Elevated Installation >35' To 40', Add	26.38	
	For Elevated Installation >40', Add	29.02	
	For Work In Restricted Working Space, Add	15.83	
26 05 33 13-0754	EA 4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector .....	118.02	22.86
	For Elevated Installation >10' To 15', Add	5.72	
	For Elevated Installation >15' To 20', Add	11.43	
	For Elevated Installation >20' To 25', Add	14.29	
	For Elevated Installation >25' To 30', Add	20.00	
	For Elevated Installation >30' To 35', Add	22.86	
	For Elevated Installation >35' To 40', Add	28.58	
	For Elevated Installation >40', Add	31.43	
	For Work In Restricted Working Space, Add	17.15	
<b>26 05 33 13-0755</b>	<b>Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs</b> <small>(26 05 33 13-0701)</small>		
26 05 33 13-0756	EA 1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	19.96	7.03
	For Elevated Installation >10' To 15', Add	1.76	
	For Elevated Installation >15' To 20', Add	3.52	
	For Elevated Installation >20' To 25', Add	4.40	
	For Elevated Installation >25' To 30', Add	6.16	
	For Elevated Installation >30' To 35', Add	7.04	
	For Elevated Installation >35' To 40', Add	8.80	
	For Elevated Installation >40', Add	9.67	
	For Work In Restricted Working Space, Add	5.28	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.28	
26 05 33 13-0757	EA 3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	25.54	8.79
	For Elevated Installation >10' To 15', Add	2.20	
	For Elevated Installation >15' To 20', Add	4.40	
	For Elevated Installation >20' To 25', Add	5.50	
	For Elevated Installation >25' To 30', Add	7.69	
	For Elevated Installation >30' To 35', Add	8.79	
	For Elevated Installation >35' To 40', Add	10.99	
	For Elevated Installation >40', Add	12.09	
	For Work In Restricted Working Space, Add	6.59	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.59	
26 05 33 13-0758	EA 1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	31.63	10.55
	For Elevated Installation >10' To 15', Add	2.64	
	For Elevated Installation >15' To 20', Add	5.28	
	For Elevated Installation >20' To 25', Add	6.60	
	For Elevated Installation >25' To 30', Add	9.23	
	For Elevated Installation >30' To 35', Add	10.55	
	For Elevated Installation >35' To 40', Add	13.19	
	For Elevated Installation >40', Add	14.51	
	For Work In Restricted Working Space, Add	7.91	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.91	
26 05 33 13-0759	EA 1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	38.21	12.31
	For Elevated Installation >10' To 15', Add	3.08	
	For Elevated Installation >15' To 20', Add	6.16	
	For Elevated Installation >20' To 25', Add	7.70	
	For Elevated Installation >25' To 30', Add	10.77	
	For Elevated Installation >30' To 35', Add	12.31	
	For Elevated Installation >35' To 40', Add	15.39	
	For Elevated Installation >40', Add	16.93	
	For Work In Restricted Working Space, Add	9.23	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 05 33 13-0760	EA 1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	44.75	14.06
	For Elevated Installation >10' To 15', Add	3.52	
	For Elevated Installation >15' To 20', Add	7.03	
	For Elevated Installation >20' To 25', Add	8.79	
	For Elevated Installation >25' To 30', Add	12.31	
	For Elevated Installation >30' To 35', Add	14.07	
	For Elevated Installation >35' To 40', Add	17.59	
	For Elevated Installation >40', Add	19.34	
	For Work In Restricted Working Space, Add	10.55	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.55	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0761	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	53.41	15.83
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.96	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.91	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.89	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.83	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.79	
			<i>For Elevated Installation &gt;40', Add</i>	21.76	
			<i>For Work In Restricted Working Space, Add</i>	11.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.87	
26 05 33	13-0762	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	67.16	17.59
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.99	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.59	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.99	
			<i>For Elevated Installation &gt;40', Add</i>	24.18	
			<i>For Work In Restricted Working Space, Add</i>	13.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.19	
26 05 33	13-0763	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	79.60	19.34
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.84	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.18	
			<i>For Elevated Installation &gt;40', Add</i>	26.60	
			<i>For Work In Restricted Working Space, Add</i>	14.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.51	
26 05 33	13-0764	EA	3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	97.64	22.86
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
			<i>For Elevated Installation &gt;40', Add</i>	31.43	
			<i>For Work In Restricted Working Space, Add</i>	17.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.15	
26 05 33	13-0765	EA	4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	112.65	24.62
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.16	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.31	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.39	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.62	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.78	
			<i>For Elevated Installation &gt;40', Add</i>	33.85	
			<i>For Work In Restricted Working Space, Add</i>	18.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	
26 05 33	13-0766	<b>Intermediate Metal Conduit (IMC) Expansion Fittings</b> <small>(26 05 33 13-0701)</small>			
26 05 33	13-0767	EA	1/2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	137.70	14.06
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.31	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.59	
			<i>For Elevated Installation &gt;40', Add</i>	19.35	
			<i>For Work In Restricted Working Space, Add</i>	10.55	
26 05 33	13-0768	EA	3/4" Intermediate Metal Conduit (IMC) Expansion Fitting .....	152.34	15.83
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.96	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.91	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.89	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.83	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.79	
			<i>For Elevated Installation &gt;40', Add</i>	21.76	
			<i>For Work In Restricted Working Space, Add</i>	11.87	
26 05 33	13-0769	EA	1" Intermediate Metal Conduit (IMC) Expansion Fitting .....	169.30	17.59
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.99	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.59	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.99	
			<i>For Elevated Installation &gt;40', Add</i>	24.18	
			<i>For Work In Restricted Working Space, Add</i>	13.19	
26 05 33	13-0770	EA	1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting .....	204.70	19.34
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.84	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.18	
			<i>For Elevated Installation &gt;40', Add</i>	26.60	
			<i>For Work In Restricted Working Space, Add</i>	14.51	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0771	EA 1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	251.07	21.11
	For Elevated Installation >10' To 15', Add	5.28	
	For Elevated Installation >15' To 20', Add	10.55	
	For Elevated Installation >20' To 25', Add	13.19	
	For Elevated Installation >25' To 30', Add	18.47	
	For Elevated Installation >30' To 35', Add	21.10	
	For Elevated Installation >35' To 40', Add	26.38	
	For Elevated Installation >40', Add	29.02	
	For Work In Restricted Working Space, Add	15.83	
26 05 33 13-0772	EA 2" Intermediate Metal Conduit (IMC) Expansion Fitting.....	330.62	22.86
	For Elevated Installation >10' To 15', Add	5.72	
	For Elevated Installation >15' To 20', Add	11.43	
	For Elevated Installation >20' To 25', Add	14.29	
	For Elevated Installation >25' To 30', Add	20.00	
	For Elevated Installation >30' To 35', Add	22.86	
	For Elevated Installation >35' To 40', Add	28.58	
	For Elevated Installation >40', Add	31.43	
	For Work In Restricted Working Space, Add	17.15	
26 05 33 13-0773	EA 2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	499.89	28.14
	For Elevated Installation >10' To 15', Add	7.03	
	For Elevated Installation >15' To 20', Add	14.07	
	For Elevated Installation >20' To 25', Add	17.59	
	For Elevated Installation >25' To 30', Add	24.62	
	For Elevated Installation >30' To 35', Add	28.14	
	For Elevated Installation >35' To 40', Add	35.17	
	For Elevated Installation >40', Add	38.69	
	For Work In Restricted Working Space, Add	21.10	
26 05 33 13-0774	EA 3" Intermediate Metal Conduit (IMC) Expansion Fitting.....	600.84	35.17
	For Elevated Installation >10' To 15', Add	8.79	
	For Elevated Installation >15' To 20', Add	17.59	
	For Elevated Installation >20' To 25', Add	21.98	
	For Elevated Installation >25' To 30', Add	30.78	
	For Elevated Installation >30' To 35', Add	35.17	
	For Elevated Installation >35' To 40', Add	43.97	
	For Elevated Installation >40', Add	48.36	
	For Work In Restricted Working Space, Add	26.38	
26 05 33 13-0775	EA 3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	838.28	42.21
	For Elevated Installation >10' To 15', Add	10.55	
	For Elevated Installation >15' To 20', Add	21.11	
	For Elevated Installation >20' To 25', Add	26.38	
	For Elevated Installation >25' To 30', Add	36.94	
	For Elevated Installation >30' To 35', Add	42.21	
	For Elevated Installation >35' To 40', Add	52.77	
	For Elevated Installation >40', Add	58.04	
	For Work In Restricted Working Space, Add	31.66	
26 05 33 13-0776	EA 4" Intermediate Metal Conduit (IMC) Expansion Fitting.....	969.81	45.73
	For Elevated Installation >10' To 15', Add	11.43	
	For Elevated Installation >15' To 20', Add	22.86	
	For Elevated Installation >20' To 25', Add	28.58	
	For Elevated Installation >25' To 30', Add	40.01	
	For Elevated Installation >30' To 35', Add	45.72	
	For Elevated Installation >35' To 40', Add	57.15	
	For Elevated Installation >40', Add	62.87	
	For Work In Restricted Working Space, Add	34.29	
26 05 33 13-0777	Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal <small>(26 05 33 13-0771)</small>		
26 05 33 13-0778	EA 1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal .....	83.42	21.98
	For Elevated Installation >10' To 15', Add	4.40	
	For Elevated Installation >15' To 20', Add	8.79	
	For Elevated Installation >20' To 25', Add	10.99	
	For Elevated Installation >25' To 30', Add	15.39	
	For Elevated Installation >30' To 35', Add	17.59	
	For Elevated Installation >35' To 40', Add	21.99	
	For Elevated Installation >40', Add	24.18	
	For Work In Restricted Working Space, Add	13.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.19	
26 05 33 13-0779	EA 3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal .....	99.09	26.38
	For Elevated Installation >10' To 15', Add	5.28	
	For Elevated Installation >15' To 20', Add	10.55	
	For Elevated Installation >20' To 25', Add	13.19	
	For Elevated Installation >25' To 30', Add	18.47	
	For Elevated Installation >30' To 35', Add	21.10	
	For Elevated Installation >35' To 40', Add	26.38	
	For Elevated Installation >40', Add	29.02	
	For Work In Restricted Working Space, Add	15.83	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.83	
26 05 33 13-0780	EA 1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal .....	121.10	30.78
	For Elevated Installation >10' To 15', Add	6.16	
	For Elevated Installation >15' To 20', Add	12.31	
	For Elevated Installation >20' To 25', Add	15.39	
	For Elevated Installation >25' To 30', Add	21.55	
	For Elevated Installation >30' To 35', Add	24.62	
	For Elevated Installation >35' To 40', Add	30.78	
	For Elevated Installation >40', Add	33.86	
	For Work In Restricted Working Space, Add	18.47	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.47	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0781	EA			1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal ..... 142.65		35.17
				<i>For Elevated Installation &gt;10' To 15', Add</i>	7.03	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	14.07	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	17.59	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	24.62	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	28.14	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	35.17	
				<i>For Elevated Installation &gt;40', Add</i>	38.69	
				<i>For Work In Restricted Working Space, Add</i>	21.10	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.10	
26 05 33 13-0782	EA			1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal ..... 188.00		39.57
				<i>For Elevated Installation &gt;10' To 15', Add</i>	7.91	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	15.83	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	19.79	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	27.70	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	31.66	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	39.57	
				<i>For Elevated Installation &gt;40', Add</i>	43.53	
				<i>For Work In Restricted Working Space, Add</i>	23.74	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.74	
26 05 33 13-0783	EA			2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal ..... 228.98		43.97
				<i>For Elevated Installation &gt;10' To 15', Add</i>	8.79	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	17.59	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	21.98	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	30.78	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	35.17	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	43.97	
				<i>For Elevated Installation &gt;40', Add</i>	48.36	
				<i>For Work In Restricted Working Space, Add</i>	26.38	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.38	
26 05 33 13-0784	EA			2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal ..... 324.66		52.76
				<i>For Elevated Installation &gt;10' To 15', Add</i>	10.55	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	21.10	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	26.38	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	36.93	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	42.21	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	52.76	
				<i>For Elevated Installation &gt;40', Add</i>	58.04	
				<i>For Work In Restricted Working Space, Add</i>	31.66	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.66	
26 05 33 13-0785	EA			3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal ..... 390.79		61.56
				<i>For Elevated Installation &gt;10' To 15', Add</i>	12.31	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	24.62	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	30.78	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	43.09	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	49.24	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	61.55	
				<i>For Elevated Installation &gt;40', Add</i>	67.71	
				<i>For Work In Restricted Working Space, Add</i>	36.93	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.93	
26 05 33 13-0786	EA			3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal ..... 912.73		70.34
				<i>For Elevated Installation &gt;10' To 15', Add</i>	14.07	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	28.14	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	35.17	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	49.24	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	56.28	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	70.35	
				<i>For Elevated Installation &gt;40', Add</i>	77.38	
				<i>For Work In Restricted Working Space, Add</i>	42.21	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.21	
26 05 33 13-0787	EA			4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal ..... 1,051.79		79.14
				<i>For Elevated Installation &gt;10' To 15', Add</i>	15.83	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	31.66	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	39.57	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	55.40	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	63.31	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	79.14	
				<i>For Elevated Installation &gt;40', Add</i>	87.05	
				<i>For Work In Restricted Working Space, Add</i>	47.48	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.48	
<b>26 05 33 13-0788</b>				<b>Intermediate Metal Conduit (IMC) Threaded Couplings (26 05 33 13-0701)</b>		
26 05 33 13-0789	EA			1/2" Intermediate Metal Conduit (IMC) Threaded Coupling ..... 11.89		4.22
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.05	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	2.11	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	2.64	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	3.69	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	4.22	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	5.27	
				<i>For Elevated Installation &gt;40', Add</i>	5.80	
				<i>For Work In Restricted Working Space, Add</i>	3.16	
26 05 33 13-0790	EA			3/4" Intermediate Metal Conduit (IMC) Threaded Coupling ..... 16.59		5.98
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.50	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	2.99	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	3.74	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	5.24	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	5.98	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	7.48	
				<i>For Elevated Installation &gt;40', Add</i>	8.23	
				<i>For Work In Restricted Working Space, Add</i>	4.49	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0791	EA 1" Intermediate Metal Conduit (IMC) Threaded Coupling.....	21.76	7.73
	For Elevated Installation >10' To 15', Add	1.93	
	For Elevated Installation >15' To 20', Add	3.87	
	For Elevated Installation >20' To 25', Add	4.83	
	For Elevated Installation >25' To 30', Add	6.77	
	For Elevated Installation >30' To 35', Add	7.73	
	For Elevated Installation >35' To 40', Add	9.67	
	For Elevated Installation >40', Add	10.63	
	For Work In Restricted Working Space, Add	5.80	
26 05 33 13-0792	EA 1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling .....	25.03	8.79
	For Elevated Installation >10' To 15', Add	2.20	
	For Elevated Installation >15' To 20', Add	4.40	
	For Elevated Installation >20' To 25', Add	5.50	
	For Elevated Installation >25' To 30', Add	7.70	
	For Elevated Installation >30' To 35', Add	8.80	
	For Elevated Installation >35' To 40', Add	11.00	
	For Elevated Installation >40', Add	12.09	
	For Work In Restricted Working Space, Add	6.60	
26 05 33 13-0793	EA 1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	30.20	10.55
	For Elevated Installation >10' To 15', Add	2.64	
	For Elevated Installation >15' To 20', Add	5.27	
	For Elevated Installation >20' To 25', Add	6.59	
	For Elevated Installation >25' To 30', Add	9.23	
	For Elevated Installation >30' To 35', Add	10.54	
	For Elevated Installation >35' To 40', Add	13.18	
	For Elevated Installation >40', Add	14.50	
	For Work In Restricted Working Space, Add	7.91	
26 05 33 13-0794	EA 2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	34.97	11.96
	For Elevated Installation >10' To 15', Add	2.99	
	For Elevated Installation >15' To 20', Add	5.98	
	For Elevated Installation >20' To 25', Add	7.48	
	For Elevated Installation >25' To 30', Add	10.47	
	For Elevated Installation >30' To 35', Add	11.96	
	For Elevated Installation >35' To 40', Add	14.96	
	For Elevated Installation >40', Add	16.45	
	For Work In Restricted Working Space, Add	8.97	
26 05 33 13-0795	EA 2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	44.62	13.36
	For Elevated Installation >10' To 15', Add	3.34	
	For Elevated Installation >15' To 20', Add	6.68	
	For Elevated Installation >20' To 25', Add	8.35	
	For Elevated Installation >25' To 30', Add	11.69	
	For Elevated Installation >30' To 35', Add	13.36	
	For Elevated Installation >35' To 40', Add	16.71	
	For Elevated Installation >40', Add	18.38	
	For Work In Restricted Working Space, Add	10.02	
26 05 33 13-0796	EA 3" Intermediate Metal Conduit (IMC) Threaded Coupling.....	53.12	15.13
	For Elevated Installation >10' To 15', Add	3.78	
	For Elevated Installation >15' To 20', Add	7.56	
	For Elevated Installation >20' To 25', Add	9.45	
	For Elevated Installation >25' To 30', Add	13.23	
	For Elevated Installation >30' To 35', Add	15.12	
	For Elevated Installation >35' To 40', Add	18.91	
	For Elevated Installation >40', Add	20.80	
	For Work In Restricted Working Space, Add	11.34	
26 05 33 13-0797	EA 3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	61.81	16.53
	For Elevated Installation >10' To 15', Add	4.13	
	For Elevated Installation >15' To 20', Add	8.27	
	For Elevated Installation >20' To 25', Add	10.34	
	For Elevated Installation >25' To 30', Add	14.47	
	For Elevated Installation >30' To 35', Add	16.54	
	For Elevated Installation >35' To 40', Add	20.67	
	For Elevated Installation >40', Add	22.74	
	For Work In Restricted Working Space, Add	12.40	
26 05 33 13-0798	EA 4" Intermediate Metal Conduit (IMC) Threaded Coupling.....	64.58	17.59
	For Elevated Installation >10' To 15', Add	4.40	
	For Elevated Installation >15' To 20', Add	8.79	
	For Elevated Installation >20' To 25', Add	10.99	
	For Elevated Installation >25' To 30', Add	15.38	
	For Elevated Installation >30' To 35', Add	17.58	
	For Elevated Installation >35' To 40', Add	21.98	
	For Elevated Installation >40', Add	24.17	
	For Work In Restricted Working Space, Add	13.19	
26 05 33 13-0799	Intermediate Metal Conduit (IMC) Reducer Bushings (26 05 33 13-0701)		
26 05 33 13-0800	EA 1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing.....	5.90	1.76
	For Elevated Installation >10' To 15', Add	0.44	
	For Elevated Installation >15' To 20', Add	0.88	
	For Elevated Installation >20' To 25', Add	1.10	
	For Elevated Installation >25' To 30', Add	1.54	
	For Elevated Installation >30' To 35', Add	1.76	
	For Elevated Installation >35' To 40', Add	2.20	
	For Elevated Installation >40', Add	2.41	
	For Work In Restricted Working Space, Add	1.32	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST
26 05 33 13-0801	EA	3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing .....	6.76	1.76
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.44	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	0.88	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.10	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	1.54	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	1.76	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	2.20	
		<i>For Elevated Installation &gt;40', Add</i>	2.41	
		<i>For Work In Restricted Working Space, Add</i>	1.32	
26 05 33 13-0802		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit</b> <small>(26 05 33 13-0058)</small>		
		Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0803		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit</b> <small>(26 05 33 13-0802)</small>		
		Note: Includes field bending for conduit up to 1".		
26 05 33 13-0804	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit .....	11.77	2.46
		<i>For &gt;500 To 1,000, Deduct</i>	-0.73	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.62	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.23	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.54	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.16	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	2.46	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	3.08	
		<i>For Elevated Installation &gt;40', Add</i>	3.39	
		<i>For Work In Restricted Working Space, Add</i>	1.85	
		<i>For &gt;1,000, Deduct</i>	-1.02	
		<i>For &gt;250 To 500, Deduct</i>	-0.43	
26 05 33 13-0805	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit .....	13.53	2.81
		<i>For &gt;500 To 1,000, Deduct</i>	-0.84	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.70	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.41	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.76	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.46	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	2.81	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	3.52	
		<i>For Elevated Installation &gt;40', Add</i>	3.87	
		<i>For Work In Restricted Working Space, Add</i>	2.11	
		<i>For &gt;1,000, Deduct</i>	-1.18	
		<i>For &gt;250 To 500, Deduct</i>	-0.50	
26 05 33 13-0806	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit .....	17.20	3.52
		<i>For &gt;500 To 1,000, Deduct</i>	-1.07	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.88	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.76	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.20	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.08	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	3.52	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	4.40	
		<i>For Elevated Installation &gt;40', Add</i>	4.83	
		<i>For Work In Restricted Working Space, Add</i>	2.64	
		<i>For &gt;1,000, Deduct</i>	-1.50	
		<i>For &gt;250 To 500, Deduct</i>	-0.64	
26 05 33 13-0807	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit .....	21.22	4.22
		<i>For &gt;500 To 1,000, Deduct</i>	-1.33	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.06	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.11	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.64	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.69	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	4.22	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	5.28	
		<i>For Elevated Installation &gt;40', Add</i>	5.80	
		<i>For Work In Restricted Working Space, Add</i>	3.17	
		<i>For &gt;1,000, Deduct</i>	-1.86	
		<i>For &gt;250 To 500, Deduct</i>	-0.80	
26 05 33 13-0808	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit .....	26.16	5.28
		<i>For &gt;500 To 1,000, Deduct</i>	-1.63	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.32	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.64	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.30	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.62	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.28	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	6.60	
		<i>For Elevated Installation &gt;40', Add</i>	7.25	
		<i>For Work In Restricted Working Space, Add</i>	3.96	
		<i>For &gt;1,000, Deduct</i>	-2.29	
		<i>For &gt;250 To 500, Deduct</i>	-0.98	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0809	LF		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit .....	32.73	6.33
			For >500 To 1,000, Deduct	-2.06	
			For Elevated Installation >10' To 15', Add	1.58	
			For Elevated Installation >15' To 20', Add	3.17	
			For Elevated Installation >20' To 25', Add	3.96	
			For Elevated Installation >25' To 30', Add	5.54	
			For Elevated Installation >30' To 35', Add	6.33	
			For Elevated Installation >35' To 40', Add	7.92	
			For Elevated Installation >40', Add	8.71	
			For Work In Restricted Working Space, Add	4.75	
			For >1,000, Deduct	-2.88	
			For >250 To 500, Deduct	-1.24	
26 05 33 13-0810	LF		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit .....	44.09	7.38
			For >500 To 1,000, Deduct	-2.85	
			For Elevated Installation >10' To 15', Add	1.85	
			For Elevated Installation >15' To 20', Add	3.69	
			For Elevated Installation >20' To 25', Add	4.62	
			For Elevated Installation >25' To 30', Add	6.46	
			For Elevated Installation >30' To 35', Add	7.39	
			For Elevated Installation >35' To 40', Add	9.24	
			For Elevated Installation >40', Add	10.16	
			For Work In Restricted Working Space, Add	5.54	
			For >1,000, Deduct	-3.95	
			For >250 To 500, Deduct	-1.74	
26 05 33 13-0811	LF		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit .....	55.17	9.15
			For >500 To 1,000, Deduct	-3.57	
			For Elevated Installation >10' To 15', Add	2.29	
			For Elevated Installation >15' To 20', Add	4.57	
			For Elevated Installation >20' To 25', Add	5.72	
			For Elevated Installation >25' To 30', Add	8.00	
			For Elevated Installation >30' To 35', Add	9.14	
			For Elevated Installation >35' To 40', Add	11.43	
			For Elevated Installation >40', Add	12.57	
			For Work In Restricted Working Space, Add	6.86	
			For >1,000, Deduct	-4.95	
			For >250 To 500, Deduct	-2.19	
26 05 33 13-0812	LF		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit .....	67.67	11.26
			For >500 To 1,000, Deduct	-4.37	
			For Elevated Installation >10' To 15', Add	2.81	
			For Elevated Installation >15' To 20', Add	5.63	
			For Elevated Installation >20' To 25', Add	7.04	
			For Elevated Installation >25' To 30', Add	9.85	
			For Elevated Installation >30' To 35', Add	11.26	
			For Elevated Installation >35' To 40', Add	14.07	
			For Elevated Installation >40', Add	15.48	
			For Work In Restricted Working Space, Add	8.44	
			For >1,000, Deduct	-6.06	
			For >250 To 500, Deduct	-2.68	
26 05 33 13-0813	LF		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit .....	80.02	13.36
			For >500 To 1,000, Deduct	-5.17	
			For Elevated Installation >10' To 15', Add	3.34	
			For Elevated Installation >15' To 20', Add	6.68	
			For Elevated Installation >20' To 25', Add	8.36	
			For Elevated Installation >25' To 30', Add	11.70	
			For Elevated Installation >30' To 35', Add	13.37	
			For Elevated Installation >35' To 40', Add	16.71	
			For Elevated Installation >40', Add	18.38	
			For Work In Restricted Working Space, Add	10.03	
			For >1,000, Deduct	-7.17	
			For >250 To 500, Deduct	-3.17	
26 05 33 13-0814	LF		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit .....	122.15	15.83
			For >500 To 1,000, Deduct	-8.17	
			For Elevated Installation >10' To 15', Add	3.96	
			For Elevated Installation >15' To 20', Add	7.91	
			For Elevated Installation >20' To 25', Add	9.89	
			For Elevated Installation >25' To 30', Add	13.85	
			For Elevated Installation >30' To 35', Add	15.83	
			For Elevated Installation >35' To 40', Add	19.79	
			For Elevated Installation >40', Add	21.76	
			For Work In Restricted Working Space, Add	11.87	
			For >1,000, Deduct	-11.23	
			For >250 To 500, Deduct	-5.12	
26 05 33 13-0815	LF		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit .....	165.92	21.11
			For >500 To 1,000, Deduct	-11.13	
			For Elevated Installation >10' To 15', Add	5.28	
			For Elevated Installation >15' To 20', Add	10.55	
			For Elevated Installation >20' To 25', Add	13.19	
			For Elevated Installation >25' To 30', Add	18.47	
			For Elevated Installation >30' To 35', Add	21.10	
			For Elevated Installation >35' To 40', Add	26.38	
			For Elevated Installation >40', Add	29.02	
			For Work In Restricted Working Space, Add	15.83	
			For >1,000, Deduct	-15.27	
			For >250 To 500, Deduct	-6.98	

26 05 33 13-0816 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel  
(RGS) Couplings (26 05 33 13-0802)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0817 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling .....	16.47	5.28
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.06	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.11	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.64	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.69	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.22	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.28	
<i>For Elevated Installation &gt;40', Add</i>	5.80	
<i>For Work In Restricted Working Space, Add</i>	3.17	
26 05 33 13-0818 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling .....	21.16	7.47
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.50	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.99	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.23	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.98	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.48	
<i>For Elevated Installation &gt;40', Add</i>	8.22	
<i>For Work In Restricted Working Space, Add</i>	4.49	
26 05 33 13-0819 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling .....	27.39	9.67
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.93	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.87	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.84	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.77	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.74	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.67	
<i>For Elevated Installation &gt;40', Add</i>	10.64	
<i>For Work In Restricted Working Space, Add</i>	5.80	
26 05 33 13-0820 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling .....	31.38	11.00
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.20	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.40	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.50	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.69	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.79	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.99	
<i>For Elevated Installation &gt;40', Add</i>	12.09	
<i>For Work In Restricted Working Space, Add</i>	6.59	
26 05 33 13-0821 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling .....	37.55	13.19
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.64	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.28	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.60	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.23	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.55	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.19	
<i>For Elevated Installation &gt;40', Add</i>	14.51	
<i>For Work In Restricted Working Space, Add</i>	7.91	
26 05 33 13-0822 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling .....	46.25	14.95
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.99	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.98	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.48	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.47	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.96	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.95	
<i>For Elevated Installation &gt;40', Add</i>	16.45	
<i>For Work In Restricted Working Space, Add</i>	8.97	
26 05 33 13-0823 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling .....	73.88	14.95
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.34	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.68	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.36	
<i>For Elevated Installation &gt;25' To 30', Add</i>	11.70	
<i>For Elevated Installation &gt;30' To 35', Add</i>	13.37	
<i>For Elevated Installation &gt;35' To 40', Add</i>	16.71	
<i>For Elevated Installation &gt;40', Add</i>	18.38	
<i>For Work In Restricted Working Space, Add</i>	10.03	
26 05 33 13-0824 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling .....	86.95	20.67
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.78	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.56	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.45	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.23	
<i>For Elevated Installation &gt;30' To 35', Add</i>	15.12	
<i>For Elevated Installation &gt;35' To 40', Add</i>	18.91	
<i>For Elevated Installation &gt;40', Add</i>	20.80	
<i>For Work In Restricted Working Space, Add</i>	11.34	
26 05 33 13-0825 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling .....	104.37	20.67
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.13	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.27	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.33	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.47	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.53	
<i>For Elevated Installation &gt;35' To 40', Add</i>	20.67	
<i>For Elevated Installation &gt;40', Add</i>	22.73	
<i>For Work In Restricted Working Space, Add</i>	12.40	
26 05 33 13-0826 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling .....	117.68	21.98
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.40	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.79	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.99	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.39	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.59	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.99	
<i>For Elevated Installation &gt;40', Add</i>	24.18	
<i>For Work In Restricted Working Space, Add</i>	13.19	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0827	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling .....	292.94	26.38
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.28	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.47	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.10	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.38	
			<i>For Elevated Installation &gt;40', Add</i>	29.02	
			<i>For Work In Restricted Working Space, Add</i>	15.83	
26 05 33 13-0828	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling .....	329.86	30.78
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.16	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.31	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.39	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.62	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.78	
			<i>For Elevated Installation &gt;40', Add</i>	33.86	
			<i>For Work In Restricted Working Space, Add</i>	18.47	
<b>26 05 33 13-0829</b>			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel</b>		
			<b>(RGS) Standard Radius Elbows</b> <small>(26 05 33 13-0802)</small>		
			Note: 90, 45, or 30 degree.		
26 05 33 13-0830	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	49.34	14.29
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
			<i>For Elevated Installation &gt;40', Add</i>	15.72	
			<i>For Work In Restricted Working Space, Add</i>	8.57	
26 05 33 13-0831	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	56.98	17.72
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.09	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.40	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.17	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.72	
			<i>For Elevated Installation &gt;40', Add</i>	19.49	
			<i>For Work In Restricted Working Space, Add</i>	10.63	
26 05 33 13-0832	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	68.15	21.72
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.34	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.72	
			<i>For Elevated Installation &gt;40', Add</i>	23.89	
			<i>For Work In Restricted Working Space, Add</i>	13.03	
26 05 33 13-0833	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	80.67	25.15
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.03	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.06	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.61	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	25.15	
			<i>For Elevated Installation &gt;40', Add</i>	27.67	
			<i>For Work In Restricted Working Space, Add</i>	15.09	
26 05 33 13-0834	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	94.47	28.58
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
			<i>For Elevated Installation &gt;40', Add</i>	31.43	
			<i>For Work In Restricted Working Space, Add</i>	17.15	
26 05 33 13-0835	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	114.96	31.44
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.57	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.44	
			<i>For Elevated Installation &gt;40', Add</i>	34.58	
			<i>For Work In Restricted Working Space, Add</i>	18.86	
26 05 33 13-0836	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	177.00	39.44
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
			<i>For Elevated Installation &gt;40', Add</i>	43.38	
			<i>For Work In Restricted Working Space, Add</i>	23.66	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 33	13-0837	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	264.26 10.75 21.49 26.86 37.61 42.98 53.73 59.10 32.24	53.72
	26 05 33	13-0838	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	326.93 12.12 24.23 30.29 42.41 48.47 60.59 66.64 36.35	60.58
	26 05 33	13-0839	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	375.26 15.78 31.55 39.44 55.21 63.10 78.88 86.76 47.33	78.87
	26 05 33	13-0840	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	781.36 25.72 51.44 64.30 90.02 102.88 128.60 141.46 77.16	128.60
	26 05 33	13-0841	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,228.91 38.64 77.28 96.60 135.23 154.55 193.19 212.51 115.91	193.19
	26 05 33	13-0842		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows</b> <small>(26 05 33 13-0802)</small>		
	26 05 33	13-0843	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	117.08 4.34 8.69 10.86 15.20 17.38 21.72 23.89 13.03	21.72
	26 05 33	13-0844	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	131.75 5.03 10.06 12.58 17.61 20.12 25.15 27.67 15.09	25.15
	26 05 33	13-0845	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	150.39 5.72 11.43 14.29 20.00 22.86 28.58 31.43 17.15	28.58
	26 05 33	13-0846	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	179.49 6.29 12.57 15.72 22.00 25.15 31.44 34.58 18.86	31.44

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0847	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....250.04		39.44
	For Elevated Installation >10' To 15', Add	7.89	
	For Elevated Installation >15' To 20', Add	15.77	
	For Elevated Installation >20' To 25', Add	19.72	
	For Elevated Installation >25' To 30', Add	27.60	
	For Elevated Installation >30' To 35', Add	31.55	
	For Elevated Installation >35' To 40', Add	39.44	
	For Elevated Installation >40', Add	43.38	
	For Work In Restricted Working Space, Add	23.66	
<b>26 05 33 13-0848</b>	<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows <sup>(26 05 33 13-0802)</sup></b>		
26 05 33 13-0849	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....130.31		21.72
	For Elevated Installation >10' To 15', Add	4.34	
	For Elevated Installation >15' To 20', Add	8.69	
	For Elevated Installation >20' To 25', Add	10.86	
	For Elevated Installation >25' To 30', Add	15.20	
	For Elevated Installation >30' To 35', Add	17.38	
	For Elevated Installation >35' To 40', Add	21.72	
	For Elevated Installation >40', Add	23.89	
	For Work In Restricted Working Space, Add	13.03	
26 05 33 13-0850	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....153.61		25.15
	For Elevated Installation >10' To 15', Add	5.03	
	For Elevated Installation >15' To 20', Add	10.06	
	For Elevated Installation >20' To 25', Add	12.58	
	For Elevated Installation >25' To 30', Add	17.61	
	For Elevated Installation >30' To 35', Add	20.12	
	For Elevated Installation >35' To 40', Add	25.15	
	For Elevated Installation >40', Add	27.67	
	For Work In Restricted Working Space, Add	15.09	
26 05 33 13-0851	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....166.07		28.58
	For Elevated Installation >10' To 15', Add	5.72	
	For Elevated Installation >15' To 20', Add	11.43	
	For Elevated Installation >20' To 25', Add	14.29	
	For Elevated Installation >25' To 30', Add	20.00	
	For Elevated Installation >30' To 35', Add	22.86	
	For Elevated Installation >35' To 40', Add	28.58	
	For Elevated Installation >40', Add	31.43	
	For Work In Restricted Working Space, Add	17.15	
26 05 33 13-0852	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....213.67		31.44
	For Elevated Installation >10' To 15', Add	6.29	
	For Elevated Installation >15' To 20', Add	12.57	
	For Elevated Installation >20' To 25', Add	15.72	
	For Elevated Installation >25' To 30', Add	22.00	
	For Elevated Installation >30' To 35', Add	25.15	
	For Elevated Installation >35' To 40', Add	31.44	
	For Elevated Installation >40', Add	34.58	
	For Work In Restricted Working Space, Add	18.86	
26 05 33 13-0853	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....283.00		39.44
	For Elevated Installation >10' To 15', Add	7.89	
	For Elevated Installation >15' To 20', Add	15.77	
	For Elevated Installation >20' To 25', Add	19.72	
	For Elevated Installation >25' To 30', Add	27.60	
	For Elevated Installation >30' To 35', Add	31.55	
	For Elevated Installation >35' To 40', Add	39.44	
	For Elevated Installation >40', Add	43.38	
	For Work In Restricted Working Space, Add	23.66	
26 05 33 13-0854	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....362.01		53.72
	For Elevated Installation >10' To 15', Add	10.75	
	For Elevated Installation >15' To 20', Add	21.49	
	For Elevated Installation >20' To 25', Add	26.86	
	For Elevated Installation >25' To 30', Add	37.61	
	For Elevated Installation >30' To 35', Add	42.98	
	For Elevated Installation >35' To 40', Add	53.73	
	For Elevated Installation >40', Add	59.10	
	For Work In Restricted Working Space, Add	32.24	
<b>26 05 33 13-0855</b>	<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows <sup>(26 05 33 13-0802)</sup></b>		
26 05 33 13-0856	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....146.13		21.72
	For Elevated Installation >10' To 15', Add	4.34	
	For Elevated Installation >15' To 20', Add	8.69	
	For Elevated Installation >20' To 25', Add	10.86	
	For Elevated Installation >25' To 30', Add	15.20	
	For Elevated Installation >30' To 35', Add	17.38	
	For Elevated Installation >35' To 40', Add	21.72	
	For Elevated Installation >40', Add	23.89	
	For Work In Restricted Working Space, Add	13.03	
26 05 33 13-0857	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....165.00		25.15
	For Elevated Installation >10' To 15', Add	5.03	
	For Elevated Installation >15' To 20', Add	10.06	
	For Elevated Installation >20' To 25', Add	12.58	
	For Elevated Installation >25' To 30', Add	17.61	
	For Elevated Installation >30' To 35', Add	20.12	
	For Elevated Installation >35' To 40', Add	25.15	
	For Elevated Installation >40', Add	27.67	
	For Work In Restricted Working Space, Add	15.09	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

26 05 33 13-0858	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	186.18	28.58
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
		<i>For Elevated Installation &gt;40', Add</i>	31.43	
		<i>For Work In Restricted Working Space, Add</i>	17.15	
26 05 33 13-0859	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	225.01	31.44
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.57	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.72	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	22.00	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.15	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	31.44	
		<i>For Elevated Installation &gt;40', Add</i>	34.58	
		<i>For Work In Restricted Working Space, Add</i>	18.86	
26 05 33 13-0860	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	320.87	39.44
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
		<i>For Elevated Installation &gt;40', Add</i>	43.38	
		<i>For Work In Restricted Working Space, Add</i>	23.66	
26 05 33 13-0861	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	406.48	53.72
		<i>For Elevated Installation &gt;10' To 15', Add</i>	10.75	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	21.49	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	26.86	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	37.61	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	42.98	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	53.73	
		<i>For Elevated Installation &gt;40', Add</i>	59.10	
		<i>For Work In Restricted Working Space, Add</i>	32.24	
26 05 33 13-0862	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	513.16	60.58
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.12	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	24.23	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	30.29	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	42.41	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	48.47	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	60.59	
		<i>For Elevated Installation &gt;40', Add</i>	66.64	
		<i>For Work In Restricted Working Space, Add</i>	36.35	
26 05 33 13-0863	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	578.14	78.87
		<i>For Elevated Installation &gt;10' To 15', Add</i>	15.78	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	31.55	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	39.44	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	55.21	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	63.10	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	78.88	
		<i>For Elevated Installation &gt;40', Add</i>	86.76	
		<i>For Work In Restricted Working Space, Add</i>	47.33	

**26 05 33 13-0864 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows** (26 05 33 13-0802)

26 05 33 13-0865	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	173.45	21.72
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.34	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.69	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.86	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	15.20	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	17.38	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	21.72	
		<i>For Elevated Installation &gt;40', Add</i>	23.89	
		<i>For Work In Restricted Working Space, Add</i>	13.03	
26 05 33 13-0866	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	191.72	25.15
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.03	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.06	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.58	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.61	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	20.12	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	25.15	
		<i>For Elevated Installation &gt;40', Add</i>	27.67	
		<i>For Work In Restricted Working Space, Add</i>	15.09	
26 05 33 13-0867	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	216.53	28.58
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
		<i>For Elevated Installation &gt;40', Add</i>	31.43	
		<i>For Work In Restricted Working Space, Add</i>	17.15	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 05 33 13-0868	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	268.70	31.44
	For Elevated Installation >10' To 15', Add	6.29	
	For Elevated Installation >15' To 20', Add	12.57	
	For Elevated Installation >20' To 25', Add	15.72	
	For Elevated Installation >25' To 30', Add	22.00	
	For Elevated Installation >30' To 35', Add	25.15	
	For Elevated Installation >35' To 40', Add	31.44	
	For Elevated Installation >40', Add	34.58	
	For Work In Restricted Working Space, Add	18.86	
26 05 33 13-0869	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	388.66	39.44
	For Elevated Installation >10' To 15', Add	7.89	
	For Elevated Installation >15' To 20', Add	15.77	
	For Elevated Installation >20' To 25', Add	19.72	
	For Elevated Installation >25' To 30', Add	27.60	
	For Elevated Installation >30' To 35', Add	31.55	
	For Elevated Installation >35' To 40', Add	39.44	
	For Elevated Installation >40', Add	43.38	
	For Work In Restricted Working Space, Add	23.66	
26 05 33 13-0870	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	481.82	53.72
	For Elevated Installation >10' To 15', Add	10.75	
	For Elevated Installation >15' To 20', Add	21.49	
	For Elevated Installation >20' To 25', Add	26.86	
	For Elevated Installation >25' To 30', Add	37.61	
	For Elevated Installation >30' To 35', Add	42.98	
	For Elevated Installation >35' To 40', Add	53.73	
	For Elevated Installation >40', Add	59.10	
	For Work In Restricted Working Space, Add	32.24	
26 05 33 13-0871	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	559.16	60.58
	For Elevated Installation >10' To 15', Add	12.12	
	For Elevated Installation >15' To 20', Add	24.23	
	For Elevated Installation >20' To 25', Add	30.29	
	For Elevated Installation >25' To 30', Add	42.41	
	For Elevated Installation >30' To 35', Add	48.47	
	For Elevated Installation >35' To 40', Add	60.59	
	For Elevated Installation >40', Add	66.64	
	For Work In Restricted Working Space, Add	36.35	
26 05 33 13-0872	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	662.59	78.87
	For Elevated Installation >10' To 15', Add	15.78	
	For Elevated Installation >15' To 20', Add	31.55	
	For Elevated Installation >20' To 25', Add	39.44	
	For Elevated Installation >25' To 30', Add	55.21	
	For Elevated Installation >30' To 35', Add	63.10	
	For Elevated Installation >35' To 40', Add	78.88	
	For Elevated Installation >40', Add	86.76	
	For Work In Restricted Working Space, Add	47.33	

**26 05 33 13-0873 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows** (26 05 33 13-0802)

26 05 33 13-0874	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	194.72	21.72
	For Elevated Installation >10' To 15', Add	4.34	
	For Elevated Installation >15' To 20', Add	8.69	
	For Elevated Installation >20' To 25', Add	10.86	
	For Elevated Installation >25' To 30', Add	15.20	
	For Elevated Installation >30' To 35', Add	17.38	
	For Elevated Installation >35' To 40', Add	21.72	
	For Elevated Installation >40', Add	23.89	
	For Work In Restricted Working Space, Add	13.03	
26 05 33 13-0875	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	216.61	25.15
	For Elevated Installation >10' To 15', Add	5.03	
	For Elevated Installation >15' To 20', Add	10.06	
	For Elevated Installation >20' To 25', Add	12.58	
	For Elevated Installation >25' To 30', Add	17.61	
	For Elevated Installation >30' To 35', Add	20.12	
	For Elevated Installation >35' To 40', Add	25.15	
	For Elevated Installation >40', Add	27.67	
	For Work In Restricted Working Space, Add	15.09	
26 05 33 13-0876	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	246.40	28.58
	For Elevated Installation >10' To 15', Add	5.72	
	For Elevated Installation >15' To 20', Add	11.43	
	For Elevated Installation >20' To 25', Add	14.29	
	For Elevated Installation >25' To 30', Add	20.00	
	For Elevated Installation >30' To 35', Add	22.86	
	For Elevated Installation >35' To 40', Add	28.58	
	For Elevated Installation >40', Add	31.43	
	For Work In Restricted Working Space, Add	17.15	
26 05 33 13-0877	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	306.74	31.44
	For Elevated Installation >10' To 15', Add	6.29	
	For Elevated Installation >15' To 20', Add	12.57	
	For Elevated Installation >20' To 25', Add	15.72	
	For Elevated Installation >25' To 30', Add	22.00	
	For Elevated Installation >30' To 35', Add	25.15	
	For Elevated Installation >35' To 40', Add	31.44	
	For Elevated Installation >40', Add	34.58	
	For Work In Restricted Working Space, Add	18.86	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0878	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	425.65 7.89 15.77 19.72 27.60 31.55 39.44 43.38 23.66	39.44
26 05 33	13-0879	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	542.08 10.75 21.49 26.86 37.61 42.98 53.73 59.10 32.24	53.72
26 05 33	13-0880	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	671.00 12.12 24.23 30.29 42.41 48.47 60.59 66.64 36.35	60.58
26 05 33	13-0881	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	740.11 15.78 31.55 39.44 55.21 63.10 78.88 86.76 47.33	78.87
26 05 33	13-0882	EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,233.92 25.72 51.44 64.30 90.02 102.88 128.60 141.46 77.16	128.60
<b>26 05 33 13-0883 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows</b> <small>(26 05 33 13-0802)</small>				
26 05 33	13-0884	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	222.52 4.34 8.69 10.86 15.20 17.38 21.72 23.89 13.03	21.72
26 05 33	13-0885	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	246.66 5.03 10.06 12.58 17.61 20.12 25.15 27.67 15.09	25.15
26 05 33	13-0886	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	279.14 5.72 11.43 14.29 20.00 22.86 28.58 31.43 17.15	28.58
26 05 33	13-0887	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	348.93 6.29 12.57 15.72 22.00 25.15 31.44 34.58 18.86	31.44

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0888	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	487.28	39.44
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
			<i>For Elevated Installation &gt;40', Add</i>	43.38	
			<i>For Work In Restricted Working Space, Add</i>	23.66	
26 05 33	13-0889	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	618.86	53.72
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.75	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.49	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	37.61	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	53.73	
			<i>For Elevated Installation &gt;40', Add</i>	59.10	
			<i>For Work In Restricted Working Space, Add</i>	32.24	
26 05 33	13-0890	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	727.04	60.58
			<i>For Elevated Installation &gt;10' To 15', Add</i>	12.12	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	24.23	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	30.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	42.41	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	48.47	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	60.59	
			<i>For Elevated Installation &gt;40', Add</i>	66.64	
			<i>For Work In Restricted Working Space, Add</i>	36.35	
26 05 33	13-0891	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	840.19	78.87
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.78	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	31.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	39.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	55.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	63.10	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	78.88	
			<i>For Elevated Installation &gt;40', Add</i>	86.76	
			<i>For Work In Restricted Working Space, Add</i>	47.33	
26 05 33	13-0892	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	1,304.06	128.60
			<i>For Elevated Installation &gt;10' To 15', Add</i>	25.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	51.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	64.30	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	90.02	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	102.88	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	128.60	
			<i>For Elevated Installation &gt;40', Add</i>	141.46	
			<i>For Work In Restricted Working Space, Add</i>	77.16	
26 05 33	13-0893	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	1,783.11	193.19
			<i>For Elevated Installation &gt;10' To 15', Add</i>	38.64	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	77.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	96.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	135.23	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	154.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	193.19	
			<i>For Elevated Installation &gt;40', Add</i>	212.51	
			<i>For Work In Restricted Working Space, Add</i>	115.91	
26 05 33	13-0894		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows</b> <small>(26 05 33 13-0802)</small>		
26 05 33	13-0895	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	261.23	21.72
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.34	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.72	
			<i>For Elevated Installation &gt;40', Add</i>	23.89	
			<i>For Work In Restricted Working Space, Add</i>	13.03	
26 05 33	13-0896	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	273.46	25.15
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.03	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.06	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.61	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	25.15	
			<i>For Elevated Installation &gt;40', Add</i>	27.67	
			<i>For Work In Restricted Working Space, Add</i>	15.09	
26 05 33	13-0897	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	322.96	28.58
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
			<i>For Elevated Installation &gt;40', Add</i>	31.43	
			<i>For Work In Restricted Working Space, Add</i>	17.15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0898 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	407.66	31.44
For Elevated Installation >10' To 15', Add	6.29	
For Elevated Installation >15' To 20', Add	12.57	
For Elevated Installation >20' To 25', Add	15.72	
For Elevated Installation >25' To 30', Add	22.00	
For Elevated Installation >30' To 35', Add	25.15	
For Elevated Installation >35' To 40', Add	31.44	
For Elevated Installation >40', Add	34.58	
For Work In Restricted Working Space, Add	18.86	
26 05 33 13-0899 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	570.38	39.44
For Elevated Installation >10' To 15', Add	7.89	
For Elevated Installation >15' To 20', Add	15.77	
For Elevated Installation >20' To 25', Add	19.72	
For Elevated Installation >25' To 30', Add	27.60	
For Elevated Installation >30' To 35', Add	31.55	
For Elevated Installation >35' To 40', Add	39.44	
For Elevated Installation >40', Add	43.38	
For Work In Restricted Working Space, Add	23.66	
26 05 33 13-0900 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	722.36	53.72
For Elevated Installation >10' To 15', Add	10.75	
For Elevated Installation >15' To 20', Add	21.49	
For Elevated Installation >20' To 25', Add	26.86	
For Elevated Installation >25' To 30', Add	37.61	
For Elevated Installation >30' To 35', Add	42.98	
For Elevated Installation >35' To 40', Add	53.73	
For Elevated Installation >40', Add	59.10	
For Work In Restricted Working Space, Add	32.24	
26 05 33 13-0901 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	882.85	60.58
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.23	
For Elevated Installation >20' To 25', Add	30.29	
For Elevated Installation >25' To 30', Add	42.41	
For Elevated Installation >30' To 35', Add	48.47	
For Elevated Installation >35' To 40', Add	60.59	
For Elevated Installation >40', Add	66.64	
For Work In Restricted Working Space, Add	36.35	
26 05 33 13-0902 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	1,034.87	78.87
For Elevated Installation >10' To 15', Add	15.78	
For Elevated Installation >15' To 20', Add	31.55	
For Elevated Installation >20' To 25', Add	39.44	
For Elevated Installation >25' To 30', Add	55.21	
For Elevated Installation >30' To 35', Add	63.10	
For Elevated Installation >35' To 40', Add	78.88	
For Elevated Installation >40', Add	86.76	
For Work In Restricted Working Space, Add	47.33	
26 05 33 13-0903 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	1,532.83	128.60
For Elevated Installation >10' To 15', Add	25.72	
For Elevated Installation >15' To 20', Add	51.44	
For Elevated Installation >20' To 25', Add	64.30	
For Elevated Installation >25' To 30', Add	90.02	
For Elevated Installation >30' To 35', Add	102.88	
For Elevated Installation >35' To 40', Add	128.60	
For Elevated Installation >40', Add	141.46	
For Work In Restricted Working Space, Add	77.16	
26 05 33 13-0904 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	1,888.12	193.19
For Elevated Installation >10' To 15', Add	38.64	
For Elevated Installation >15' To 20', Add	77.28	
For Elevated Installation >20' To 25', Add	96.60	
For Elevated Installation >25' To 30', Add	135.23	
For Elevated Installation >30' To 35', Add	154.55	
For Elevated Installation >35' To 40', Add	193.19	
For Elevated Installation >40', Add	212.51	
For Work In Restricted Working Space, Add	115.91	
<b>26 05 33 13-0905 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows <small>(26 05 33 13-0902)</small></b>		
26 05 33 13-0906 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	270.56	21.72
For Elevated Installation >10' To 15', Add	4.34	
For Elevated Installation >15' To 20', Add	8.69	
For Elevated Installation >20' To 25', Add	10.86	
For Elevated Installation >25' To 30', Add	15.20	
For Elevated Installation >30' To 35', Add	17.38	
For Elevated Installation >35' To 40', Add	21.72	
For Elevated Installation >40', Add	23.89	
For Work In Restricted Working Space, Add	13.03	
26 05 33 13-0907 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	318.79	25.15
For Elevated Installation >10' To 15', Add	5.03	
For Elevated Installation >15' To 20', Add	10.06	
For Elevated Installation >20' To 25', Add	12.58	
For Elevated Installation >25' To 30', Add	17.61	
For Elevated Installation >30' To 35', Add	20.12	
For Elevated Installation >35' To 40', Add	25.15	
For Elevated Installation >40', Add	27.67	
For Work In Restricted Working Space, Add	15.09	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0908	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....360.85	360.85	28.58
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
			<i>For Elevated Installation &gt;40', Add</i>	31.43	
			<i>For Work In Restricted Working Space, Add</i>	17.15	
26 05 33	13-0909	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....425.33	425.33	31.44
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.57	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.44	
			<i>For Elevated Installation &gt;40', Add</i>	34.58	
			<i>For Work In Restricted Working Space, Add</i>	18.86	
26 05 33	13-0910	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....591.14	591.14	39.44
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
			<i>For Elevated Installation &gt;40', Add</i>	43.38	
			<i>For Work In Restricted Working Space, Add</i>	23.66	
26 05 33	13-0911	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....754.19	754.19	53.72
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.75	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.49	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	37.61	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	53.73	
			<i>For Elevated Installation &gt;40', Add</i>	59.10	
			<i>For Work In Restricted Working Space, Add</i>	32.24	
26 05 33	13-0912	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....967.71	967.71	60.58
			<i>For Elevated Installation &gt;10' To 15', Add</i>	12.12	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	24.23	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	30.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	42.41	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	48.47	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	60.59	
			<i>For Elevated Installation &gt;40', Add</i>	66.64	
			<i>For Work In Restricted Working Space, Add</i>	36.35	
26 05 33	13-0913	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....1,079.03	1,079.03	78.87
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.78	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	31.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	39.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	55.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	63.10	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	78.88	
			<i>For Elevated Installation &gt;40', Add</i>	86.76	
			<i>For Work In Restricted Working Space, Add</i>	47.33	
26 05 33	13-0914	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....1,594.29	1,594.29	128.60
			<i>For Elevated Installation &gt;10' To 15', Add</i>	25.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	51.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	64.30	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	90.02	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	102.88	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	128.60	
			<i>For Elevated Installation &gt;40', Add</i>	141.46	
			<i>For Work In Restricted Working Space, Add</i>	77.16	
26 05 33	13-0915	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....1,941.48	1,941.48	193.19
			<i>For Elevated Installation &gt;10' To 15', Add</i>	38.64	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	77.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	96.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	135.23	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	154.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	193.19	
			<i>For Elevated Installation &gt;40', Add</i>	212.51	
			<i>For Work In Restricted Working Space, Add</i>	115.91	

**26 05 33 13-0916 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fittings** (26 05 33 13-0802)

26 05 33	13-0917	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting .....98.38	98.38	14.29
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
			<i>For Elevated Installation &gt;40', Add</i>	15.72	
			<i>For Work In Restricted Working Space, Add</i>	8.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.57	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0918	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.03 3.77 7.54 9.43 13.20 15.09 18.86 20.75 11.32 11.32	18.86
26 05 33	13-0919	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	160.99 4.34 8.69 10.86 15.20 17.38 21.72 23.89 13.03 13.03	21.72
26 05 33	13-0920	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	267.35 5.03 10.06 12.58 17.61 20.12 25.15 27.67 15.09 15.09	25.15
26 05 33	13-0921	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	294.96 5.72 11.43 14.29 20.00 22.86 28.58 31.43 17.15 17.15	28.58
26 05 33	13-0922	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	374.00 6.29 12.57 15.72 22.00 25.15 31.44 34.58 18.86 18.86	31.44
26 05 33	13-0923	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,031.95 7.89 15.77 19.72 27.60 31.55 39.44 43.38 23.66 23.66	39.44
26 05 33	13-0924	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,229.82 10.75 21.49 26.87 37.61 42.98 53.73 59.10 32.24 32.24	53.72
26 05 33	13-0925	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,631.96 15.77 31.55 39.44 55.21 63.10 78.87 86.76 47.32 47.32	78.87

26 05 33 13-0926 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings (26 05 33 13-0802)

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0927	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting .....	94.14	14.29
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
			<i>For Elevated Installation &gt;40', Add</i>	15.72	
			<i>For Work In Restricted Working Space, Add</i>	8.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.57	
26 05 33	13-0928	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting .....	115.24	18.86
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.77	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.54	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.43	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	18.86	
			<i>For Elevated Installation &gt;40', Add</i>	20.75	
			<i>For Work In Restricted Working Space, Add</i>	11.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.32	
26 05 33	13-0929	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting .....	160.99	21.72
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.34	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.72	
			<i>For Elevated Installation &gt;40', Add</i>	23.89	
			<i>For Work In Restricted Working Space, Add</i>	13.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03	
26 05 33	13-0930	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting .....	264.88	25.15
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.03	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.06	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.61	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	25.15	
			<i>For Elevated Installation &gt;40', Add</i>	27.67	
			<i>For Work In Restricted Working Space, Add</i>	15.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.09	
26 05 33	13-0931	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting .....	285.01	28.58
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
			<i>For Elevated Installation &gt;40', Add</i>	31.43	
			<i>For Work In Restricted Working Space, Add</i>	17.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.15	
26 05 33	13-0932	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting .....	374.12	31.44
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.57	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.44	
			<i>For Elevated Installation &gt;40', Add</i>	34.58	
			<i>For Work In Restricted Working Space, Add</i>	18.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.86	
26 05 33	13-0933	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting .....	989.50	39.44
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
			<i>For Elevated Installation &gt;40', Add</i>	43.38	
			<i>For Work In Restricted Working Space, Add</i>	23.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.66	
26 05 33	13-0934	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting .....	1,198.85	53.72
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.75	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.49	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	37.61	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	53.73	
			<i>For Elevated Installation &gt;40', Add</i>	59.10	
			<i>For Work In Restricted Working Space, Add</i>	32.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0935	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting .....	1,631.89	78.87
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.77	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	31.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	39.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	55.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	63.10	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	78.87	
			<i>For Elevated Installation &gt;40', Add</i>	86.76	
			<i>For Work In Restricted Working Space, Add</i>	47.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.32	
26 05 33	13-0936		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fittings</b> <small>(26 05 33 13-0902)</small>		
26 05 33	13-0937	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....	84.74	14.29
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
			<i>For Elevated Installation &gt;40', Add</i>	15.72	
			<i>For Work In Restricted Working Space, Add</i>	8.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.57	
26 05 33	13-0938	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....	100.98	18.86
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.77	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.54	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.43	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	18.86	
			<i>For Elevated Installation &gt;40', Add</i>	20.75	
			<i>For Work In Restricted Working Space, Add</i>	11.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.32	
26 05 33	13-0939	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....	119.31	21.72
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.34	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.72	
			<i>For Elevated Installation &gt;40', Add</i>	23.89	
			<i>For Work In Restricted Working Space, Add</i>	13.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03	
26 05 33	13-0940	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....	171.09	25.15
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.03	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.06	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.61	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	25.15	
			<i>For Elevated Installation &gt;40', Add</i>	27.67	
			<i>For Work In Restricted Working Space, Add</i>	15.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.09	
26 05 33	13-0941	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....	200.06	28.58
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
			<i>For Elevated Installation &gt;40', Add</i>	31.43	
			<i>For Work In Restricted Working Space, Add</i>	17.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.15	
26 05 33	13-0942	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....	312.74	31.44
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.57	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.44	
			<i>For Elevated Installation &gt;40', Add</i>	34.58	
			<i>For Work In Restricted Working Space, Add</i>	18.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.86	
26 05 33	13-0943	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....	871.28	39.44
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
			<i>For Elevated Installation &gt;40', Add</i>	43.38	
			<i>For Work In Restricted Working Space, Add</i>	23.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.66	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0944	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	978.04	53.72
	For Elevated Installation >10' To 15', Add	10.75	
	For Elevated Installation >15' To 20', Add	21.49	
	For Elevated Installation >20' To 25', Add	26.87	
	For Elevated Installation >25' To 30', Add	37.61	
	For Elevated Installation >30' To 35', Add	42.98	
	For Elevated Installation >35' To 40', Add	53.73	
	For Elevated Installation >40', Add	59.10	
	For Work In Restricted Working Space, Add	32.24	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.24	
26 05 33 13-0945	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	1,246.06	78.87
	For Elevated Installation >10' To 15', Add	15.77	
	For Elevated Installation >15' To 20', Add	31.55	
	For Elevated Installation >20' To 25', Add	39.44	
	For Elevated Installation >25' To 30', Add	55.21	
	For Elevated Installation >30' To 35', Add	63.10	
	For Elevated Installation >35' To 40', Add	78.87	
	For Elevated Installation >40', Add	86.76	
	For Work In Restricted Working Space, Add	47.32	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.32	
26 05 33 13-0946	<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings</b> <small>(26 05 33 13-0902)</small>		
26 05 33 13-0947	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting .....	147.59	14.29
	For Elevated Installation >10' To 15', Add	2.86	
	For Elevated Installation >15' To 20', Add	5.72	
	For Elevated Installation >20' To 25', Add	7.15	
	For Elevated Installation >25' To 30', Add	10.00	
	For Elevated Installation >30' To 35', Add	11.43	
	For Elevated Installation >35' To 40', Add	14.29	
	For Elevated Installation >40', Add	15.72	
	For Work In Restricted Working Space, Add	8.57	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.57	
26 05 33 13-0948	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting .....	223.20	18.86
	For Elevated Installation >10' To 15', Add	3.77	
	For Elevated Installation >15' To 20', Add	7.54	
	For Elevated Installation >20' To 25', Add	9.43	
	For Elevated Installation >25' To 30', Add	13.20	
	For Elevated Installation >30' To 35', Add	15.09	
	For Elevated Installation >35' To 40', Add	18.86	
	For Elevated Installation >40', Add	20.75	
	For Work In Restricted Working Space, Add	11.32	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.32	
26 05 33 13-0949	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting .....	281.18	21.72
	For Elevated Installation >10' To 15', Add	4.34	
	For Elevated Installation >15' To 20', Add	8.69	
	For Elevated Installation >20' To 25', Add	10.86	
	For Elevated Installation >25' To 30', Add	15.20	
	For Elevated Installation >30' To 35', Add	17.38	
	For Elevated Installation >35' To 40', Add	21.72	
	For Elevated Installation >40', Add	23.89	
	For Work In Restricted Working Space, Add	13.03	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.03	
26 05 33 13-0950	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting .....	324.54	25.15
	For Elevated Installation >10' To 15', Add	5.03	
	For Elevated Installation >15' To 20', Add	10.06	
	For Elevated Installation >20' To 25', Add	12.58	
	For Elevated Installation >25' To 30', Add	17.61	
	For Elevated Installation >30' To 35', Add	20.12	
	For Elevated Installation >35' To 40', Add	25.15	
	For Elevated Installation >40', Add	27.67	
	For Work In Restricted Working Space, Add	15.09	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.09	
26 05 33 13-0951	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting .....	368.57	28.58
	For Elevated Installation >10' To 15', Add	5.72	
	For Elevated Installation >15' To 20', Add	11.43	
	For Elevated Installation >20' To 25', Add	14.29	
	For Elevated Installation >25' To 30', Add	20.00	
	For Elevated Installation >30' To 35', Add	22.86	
	For Elevated Installation >35' To 40', Add	28.58	
	For Elevated Installation >40', Add	31.43	
	For Work In Restricted Working Space, Add	17.15	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.15	
26 05 33 13-0952	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting .....	486.81	31.44
	For Elevated Installation >10' To 15', Add	6.29	
	For Elevated Installation >15' To 20', Add	12.57	
	For Elevated Installation >20' To 25', Add	15.72	
	For Elevated Installation >25' To 30', Add	22.00	
	For Elevated Installation >30' To 35', Add	25.15	
	For Elevated Installation >35' To 40', Add	31.44	
	For Elevated Installation >40', Add	34.58	
	For Work In Restricted Working Space, Add	18.86	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.86	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0953	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting	1,548.71	39.44
				<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
				<i>For Elevated Installation &gt;40', Add</i>	43.38	
				<i>For Work In Restricted Working Space, Add</i>	23.66	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.66	
26 05 33 13-0954	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting	1,806.14	53.72
				<i>For Elevated Installation &gt;10' To 15', Add</i>	10.75	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	21.49	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	26.87	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	37.61	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	42.98	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	53.73	
				<i>For Elevated Installation &gt;40', Add</i>	59.10	
				<i>For Work In Restricted Working Space, Add</i>	32.24	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.24	
26 05 33 13-0955	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting	2,217.05	78.87
				<i>For Elevated Installation &gt;10' To 15', Add</i>	15.77	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	31.55	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	39.44	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	55.21	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	63.10	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	78.87	
				<i>For Elevated Installation &gt;40', Add</i>	86.76	
				<i>For Work In Restricted Working Space, Add</i>	47.32	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.32	
26 05 33 13-0956				<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fittings</b> <small>(26 05 33 13-0802)</small>		
26 05 33 13-0957	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting	164.28	14.29
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
				<i>For Elevated Installation &gt;40', Add</i>	15.72	
				<i>For Work In Restricted Working Space, Add</i>	8.57	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.57	
26 05 33 13-0958	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting	238.95	18.86
				<i>For Elevated Installation &gt;10' To 15', Add</i>	3.77	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	7.54	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	9.43	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	13.20	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	15.09	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	18.86	
				<i>For Elevated Installation &gt;40', Add</i>	20.75	
				<i>For Work In Restricted Working Space, Add</i>	11.32	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.32	
26 05 33 13-0959	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting	284.17	21.72
				<i>For Elevated Installation &gt;10' To 15', Add</i>	4.34	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	8.69	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	10.86	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	15.20	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	17.38	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	21.72	
				<i>For Elevated Installation &gt;40', Add</i>	23.89	
				<i>For Work In Restricted Working Space, Add</i>	13.03	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03	
26 05 33 13-0960	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting	329.48	25.15
				<i>For Elevated Installation &gt;10' To 15', Add</i>	5.03	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	10.06	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	12.58	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	17.61	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	20.12	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	25.15	
				<i>For Elevated Installation &gt;40', Add</i>	27.67	
				<i>For Work In Restricted Working Space, Add</i>	15.09	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.09	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0961	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting .....	382.12	28.58
	For Elevated Installation >10' To 15', Add	5.72	
	For Elevated Installation >15' To 20', Add	11.43	
	For Elevated Installation >20' To 25', Add	14.29	
	For Elevated Installation >25' To 30', Add	20.00	
	For Elevated Installation >30' To 35', Add	22.86	
	For Elevated Installation >35' To 40', Add	28.58	
	For Elevated Installation >40', Add	31.43	
	For Work In Restricted Working Space, Add	17.15	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.15	
26 05 33 13-0962	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting .....	605.85	31.44
	For Elevated Installation >10' To 15', Add	6.29	
	For Elevated Installation >15' To 20', Add	12.57	
	For Elevated Installation >20' To 25', Add	15.72	
	For Elevated Installation >25' To 30', Add	22.00	
	For Elevated Installation >30' To 35', Add	25.15	
	For Elevated Installation >35' To 40', Add	31.44	
	For Elevated Installation >40', Add	34.58	
	For Work In Restricted Working Space, Add	18.86	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.86	
26 05 33 13-0963	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting .....	1,728.32	39.44
	For Elevated Installation >10' To 15', Add	7.89	
	For Elevated Installation >15' To 20', Add	15.77	
	For Elevated Installation >20' To 25', Add	19.72	
	For Elevated Installation >25' To 30', Add	27.60	
	For Elevated Installation >30' To 35', Add	31.55	
	For Elevated Installation >35' To 40', Add	39.44	
	For Elevated Installation >40', Add	43.38	
	For Work In Restricted Working Space, Add	23.66	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.66	
26 05 33 13-0964	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting .....	2,433.20	53.72
	For Elevated Installation >10' To 15', Add	10.75	
	For Elevated Installation >15' To 20', Add	21.49	
	For Elevated Installation >20' To 25', Add	26.87	
	For Elevated Installation >25' To 30', Add	37.61	
	For Elevated Installation >30' To 35', Add	42.98	
	For Elevated Installation >35' To 40', Add	53.73	
	For Elevated Installation >40', Add	59.10	
	For Work In Restricted Working Space, Add	32.24	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.24	
26 05 33 13-0965	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting .....	2,534.49	78.87
	For Elevated Installation >10' To 15', Add	15.77	
	For Elevated Installation >15' To 20', Add	31.55	
	For Elevated Installation >20' To 25', Add	39.44	
	For Elevated Installation >25' To 30', Add	55.21	
	For Elevated Installation >30' To 35', Add	63.10	
	For Elevated Installation >35' To 40', Add	78.87	
	For Elevated Installation >40', Add	86.76	
	For Work In Restricted Working Space, Add	47.32	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.32	
26 05 33 13-0966	<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings</b> <small>(26 05 33 13-0802)</small>		
26 05 33 13-0967	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting .....	129.21	14.29
	For Elevated Installation >10' To 15', Add	2.86	
	For Elevated Installation >15' To 20', Add	5.72	
	For Elevated Installation >20' To 25', Add	7.15	
	For Elevated Installation >25' To 30', Add	10.00	
	For Elevated Installation >30' To 35', Add	11.43	
	For Elevated Installation >35' To 40', Add	14.29	
	For Elevated Installation >40', Add	15.72	
	For Work In Restricted Working Space, Add	8.57	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.57	
26 05 33 13-0968	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting .....	162.80	18.86
	For Elevated Installation >10' To 15', Add	3.77	
	For Elevated Installation >15' To 20', Add	7.54	
	For Elevated Installation >20' To 25', Add	9.43	
	For Elevated Installation >25' To 30', Add	13.20	
	For Elevated Installation >30' To 35', Add	15.09	
	For Elevated Installation >35' To 40', Add	18.86	
	For Elevated Installation >40', Add	20.75	
	For Work In Restricted Working Space, Add	11.32	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.32	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

26 05 33 13-0969	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	195.29	21.72
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.34	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.69	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.86	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	15.20	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	17.38	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	21.72	
		<i>For Elevated Installation &gt;40', Add</i>	23.89	
		<i>For Work In Restricted Working Space, Add</i>	13.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03	
26 05 33 13-0970	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	216.10	25.15
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.03	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.06	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.58	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.61	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	20.12	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	25.15	
		<i>For Elevated Installation &gt;40', Add</i>	27.67	
		<i>For Work In Restricted Working Space, Add</i>	15.09	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.09	
26 05 33 13-0971	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	292.47	28.58
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
		<i>For Elevated Installation &gt;40', Add</i>	31.43	
		<i>For Work In Restricted Working Space, Add</i>	17.15	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.15	
26 05 33 13-0972	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	415.86	31.44
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.57	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.72	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	22.00	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.15	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	31.44	
		<i>For Elevated Installation &gt;40', Add</i>	34.58	
		<i>For Work In Restricted Working Space, Add</i>	18.86	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.86	
26 05 33 13-0973	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,399.95	39.44
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
		<i>For Elevated Installation &gt;40', Add</i>	43.38	
		<i>For Work In Restricted Working Space, Add</i>	23.66	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.66	
26 05 33 13-0974	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,573.53	53.72
		<i>For Elevated Installation &gt;10' To 15', Add</i>	10.75	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	21.49	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	26.87	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	37.61	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	42.98	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	53.73	
		<i>For Elevated Installation &gt;40', Add</i>	59.10	
		<i>For Work In Restricted Working Space, Add</i>	32.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.24	
26 05 33 13-0975	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,865.84	78.87
		<i>For Elevated Installation &gt;10' To 15', Add</i>	15.77	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	31.55	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	39.44	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	55.21	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	63.10	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	78.87	
		<i>For Elevated Installation &gt;40', Add</i>	86.76	
		<i>For Work In Restricted Working Space, Add</i>	47.32	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.32	

26 05 33 13-0976 Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover (26 05 33 13-0802)  
 Note: Suitable for use in hazardous locations. Class I, Div 2.

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0977	EA	1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	113.01	27.44
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.49	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.98	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.95	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	27.44	
			<i>For Elevated Installation &gt;40', Add</i>	30.18	
			<i>For Work In Restricted Working Space, Add</i>	16.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.46	
26 05 33	13-0978	EA	3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	127.33	31.44
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.57	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.44	
			<i>For Elevated Installation &gt;40', Add</i>	34.58	
			<i>For Work In Restricted Working Space, Add</i>	18.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.86	
26 05 33	13-0979	EA	1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	158.27	36.01
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.20	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.40	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.01	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.81	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	36.01	
			<i>For Elevated Installation &gt;40', Add</i>	39.61	
			<i>For Work In Restricted Working Space, Add</i>	21.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.61	
26 05 33	13-0980	EA	1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	208.65	41.72
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.35	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.73	
			<i>For Elevated Installation &gt;40', Add</i>	45.90	
			<i>For Work In Restricted Working Space, Add</i>	25.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.04	
26 05 33	13-0981	EA	1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	244.33	45.73
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.29	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	32.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.73	
			<i>For Elevated Installation &gt;40', Add</i>	50.30	
			<i>For Work In Restricted Working Space, Add</i>	27.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.44	
26 05 33	13-0982	EA	2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	335.13	54.87
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.97	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	27.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	38.41	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	43.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	54.87	
			<i>For Elevated Installation &gt;40', Add</i>	60.36	
			<i>For Work In Restricted Working Space, Add</i>	32.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.92	
26 05 33	13-0983	EA	2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	567.95	77.16
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.43	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	30.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	38.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	54.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	61.73	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	77.16	
			<i>For Elevated Installation &gt;40', Add</i>	84.88	
			<i>For Work In Restricted Working Space, Add</i>	46.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.30	
26 05 33	13-0984	EA	3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	726.09	102.88
			<i>For Elevated Installation &gt;10' To 15', Add</i>	20.58	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	41.15	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	51.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	72.02	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	82.31	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	102.89	
			<i>For Elevated Installation &gt;40', Add</i>	113.17	
			<i>For Work In Restricted Working Space, Add</i>	61.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.73	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0985	EA		3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	1,013.18	128.60
			<i>For Elevated Installation &gt;10' To 15', Add</i>	25.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	51.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	64.30	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	90.02	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	102.88	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	128.60	
			<i>For Elevated Installation &gt;40', Add</i>	141.46	
			<i>For Work In Restricted Working Space, Add</i>	77.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.16	

26 05 33 13-0986	EA		4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	1,160.62	156.61
			<i>For Elevated Installation &gt;10' To 15', Add</i>	31.32	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	62.64	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	78.31	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	109.63	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	125.29	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	156.61	
			<i>For Elevated Installation &gt;40', Add</i>	172.27	
			<i>For Work In Restricted Working Space, Add</i>	93.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.97	

**26 05 33 13-0987 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover** (26 05 33 13-0987)

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-0988	EA		1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	147.59	36.01
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.20	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.40	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.00	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	36.01	
			<i>For Elevated Installation &gt;40', Add</i>	39.61	
			<i>For Work In Restricted Working Space, Add</i>	21.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.60	

26 05 33 13-0989	EA		3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	168.52	40.01
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.00	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.00	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.01	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	28.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	32.01	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	40.01	
			<i>For Elevated Installation &gt;40', Add</i>	44.01	
			<i>For Work In Restricted Working Space, Add</i>	24.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.01	

26 05 33 13-0990	EA		1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	207.22	44.01
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.00	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.01	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	30.81	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	35.21	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	44.01	
			<i>For Elevated Installation &gt;40', Add</i>	48.41	
			<i>For Work In Restricted Working Space, Add</i>	26.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.41	

26 05 33 13-0991	EA		1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	281.21	50.30
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	20.12	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	25.15	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	35.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	40.24	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	50.30	
			<i>For Elevated Installation &gt;40', Add</i>	55.32	
			<i>For Work In Restricted Working Space, Add</i>	30.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.18	

26 05 33 13-0992	EA		1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	333.62	54.87
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.97	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	27.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	38.41	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	43.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	54.87	
			<i>For Elevated Installation &gt;40', Add</i>	60.36	
			<i>For Work In Restricted Working Space, Add</i>	32.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.92	

26 05 33 13-0993	EA		2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	456.48	67.45
			<i>For Elevated Installation &gt;10' To 15', Add</i>	13.49	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	26.98	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	33.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	47.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	53.96	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	67.45	
			<i>For Elevated Installation &gt;40', Add</i>	74.19	
			<i>For Work In Restricted Working Space, Add</i>	40.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.47	

## 26 Electrical

## 26 05 Common Work Results for Electrical

## 26 05 33 Raceway and Boxes for Electrical Systems

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 33	13-0994	Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0802)</small>			
		Note: Suitable for use in hazardous locations. Class I, Div 2.			
26 05 33	13-0995	EA 1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	129.96		31.44
		For Elevated Installation >10' To 15', Add	6.29		
		For Elevated Installation >15' To 20', Add	12.57		
		For Elevated Installation >20' To 25', Add	15.72		
		For Elevated Installation >25' To 30', Add	22.00		
		For Elevated Installation >30' To 35', Add	25.15		
		For Elevated Installation >35' To 40', Add	31.44		
		For Elevated Installation >40', Add	34.58		
		For Work In Restricted Working Space, Add	18.86		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.86		
26 05 33	13-0996	EA 3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	148.09		36.58
		For Elevated Installation >10' To 15', Add	7.32		
		For Elevated Installation >15' To 20', Add	14.63		
		For Elevated Installation >20' To 25', Add	18.29		
		For Elevated Installation >25' To 30', Add	25.61		
		For Elevated Installation >30' To 35', Add	29.26		
		For Elevated Installation >35' To 40', Add	36.58		
		For Elevated Installation >40', Add	40.24		
		For Work In Restricted Working Space, Add	21.95		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.95		
26 05 33	13-0997	EA 1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	180.41		40.01
		For Elevated Installation >10' To 15', Add	8.00		
		For Elevated Installation >15' To 20', Add	16.00		
		For Elevated Installation >20' To 25', Add	20.01		
		For Elevated Installation >25' To 30', Add	28.01		
		For Elevated Installation >30' To 35', Add	32.01		
		For Elevated Installation >35' To 40', Add	40.01		
		For Elevated Installation >40', Add	44.01		
		For Work In Restricted Working Space, Add	24.01		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.01		
26 05 33	13-0998	EA 1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	232.78		45.73
		For Elevated Installation >10' To 15', Add	9.15		
		For Elevated Installation >15' To 20', Add	18.29		
		For Elevated Installation >20' To 25', Add	22.86		
		For Elevated Installation >25' To 30', Add	32.01		
		For Elevated Installation >30' To 35', Add	36.58		
		For Elevated Installation >35' To 40', Add	45.73		
		For Elevated Installation >40', Add	50.30		
		For Work In Restricted Working Space, Add	27.44		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.44		
26 05 33	13-0999	EA 1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	277.08		50.30
		For Elevated Installation >10' To 15', Add	10.06		
		For Elevated Installation >15' To 20', Add	20.12		
		For Elevated Installation >20' To 25', Add	25.15		
		For Elevated Installation >25' To 30', Add	35.21		
		For Elevated Installation >30' To 35', Add	40.24		
		For Elevated Installation >35' To 40', Add	50.30		
		For Elevated Installation >40', Add	55.32		
		For Work In Restricted Working Space, Add	30.18		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.18		
26 05 33	13-1000	EA 2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	374.03		58.87
		For Elevated Installation >10' To 15', Add	11.77		
		For Elevated Installation >15' To 20', Add	23.55		
		For Elevated Installation >20' To 25', Add	29.44		
		For Elevated Installation >25' To 30', Add	41.21		
		For Elevated Installation >30' To 35', Add	47.10		
		For Elevated Installation >35' To 40', Add	58.87		
		For Elevated Installation >40', Add	64.76		
		For Work In Restricted Working Space, Add	35.32		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.32		
26 05 33	13-1001	EA 2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	604.40		85.73
		For Elevated Installation >10' To 15', Add	17.15		
		For Elevated Installation >15' To 20', Add	34.29		
		For Elevated Installation >20' To 25', Add	42.87		
		For Elevated Installation >25' To 30', Add	60.01		
		For Elevated Installation >30' To 35', Add	68.59		
		For Elevated Installation >35' To 40', Add	85.74		
		For Elevated Installation >40', Add	94.31		
		For Work In Restricted Working Space, Add	51.44		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.44		
26 05 33	13-1002	EA 3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	800.61		111.46
		For Elevated Installation >10' To 15', Add	22.29		
		For Elevated Installation >15' To 20', Add	44.58		
		For Elevated Installation >20' To 25', Add	55.73		
		For Elevated Installation >25' To 30', Add	78.02		
		For Elevated Installation >30' To 35', Add	89.16		
		For Elevated Installation >35' To 40', Add	111.45		
		For Elevated Installation >40', Add	122.60		
		For Work In Restricted Working Space, Add	66.87		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.87		

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1003	EA	3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,104.70	137.17
		<i>For Elevated Installation &gt;10' To 15', Add</i>	27.43	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	54.87	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	68.59	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	96.02	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	109.74	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	137.17	
		<i>For Elevated Installation &gt;40', Add</i>	150.89	
		<i>For Work In Restricted Working Space, Add</i>	82.30	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.30	
26 05 33 13-1004	EA	4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,231.20	165.18
		<i>For Elevated Installation &gt;10' To 15', Add</i>	33.04	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	66.07	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	82.59	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	115.63	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	132.15	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	165.19	
		<i>For Elevated Installation &gt;40', Add</i>	181.70	
		<i>For Work In Restricted Working Space, Add</i>	99.11	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.11	

**26 05 33 13-1005 Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined** (26 05 33 13-0802)

26 05 33 13-1006	EA	1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	27.47	3.43
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.69	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.37	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.72	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.40	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	2.74	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	3.43	
		<i>For Elevated Installation &gt;40', Add</i>	3.77	
		<i>For Work In Restricted Working Space, Add</i>	2.06	
26 05 33 13-1007	EA	3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	30.78	4.00
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.80	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.60	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.00	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.80	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	3.20	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	4.01	
		<i>For Elevated Installation &gt;40', Add</i>	4.41	
		<i>For Work In Restricted Working Space, Add</i>	2.40	
26 05 33 13-1008	EA	1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	40.16	5.15
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.03	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.06	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.57	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.60	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	4.12	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	5.15	
		<i>For Elevated Installation &gt;40', Add</i>	5.66	
		<i>For Work In Restricted Working Space, Add</i>	3.09	
26 05 33 13-1009	EA	1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	51.74	6.29
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.26	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.51	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.14	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.40	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.03	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	6.29	
		<i>For Elevated Installation &gt;40', Add</i>	6.91	
		<i>For Work In Restricted Working Space, Add</i>	3.77	
26 05 33 13-1010	EA	1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	57.81	7.43
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.72	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	5.20	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.94	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	7.43	
		<i>For Elevated Installation &gt;40', Add</i>	8.17	
		<i>For Work In Restricted Working Space, Add</i>	4.46	
26 05 33 13-1011	EA	2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	71.74	8.58
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.43	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.29	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.00	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	6.86	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.57	
		<i>For Elevated Installation &gt;40', Add</i>	9.43	
		<i>For Work In Restricted Working Space, Add</i>	5.14	
26 05 33 13-1012	EA	2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	93.26	9.72
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.94	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.89	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.86	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.80	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.77	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	9.72	
		<i>For Elevated Installation &gt;40', Add</i>	10.69	
		<i>For Work In Restricted Working Space, Add</i>	5.83	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1013	EA 3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	101.27	13.71
	For Elevated Installation >10' To 15', Add	2.74	
	For Elevated Installation >15' To 20', Add	5.49	
	For Elevated Installation >20' To 25', Add	6.86	
	For Elevated Installation >25' To 30', Add	9.60	
	For Elevated Installation >30' To 35', Add	10.98	
	For Elevated Installation >35' To 40', Add	13.72	
	For Elevated Installation >40', Add	15.09	
	For Work In Restricted Working Space, Add	8.23	
26 05 33 13-1014	EA 3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	123.44	15.43
	For Elevated Installation >10' To 15', Add	3.09	
	For Elevated Installation >15' To 20', Add	6.17	
	For Elevated Installation >20' To 25', Add	7.72	
	For Elevated Installation >25' To 30', Add	10.80	
	For Elevated Installation >30' To 35', Add	12.35	
	For Elevated Installation >35' To 40', Add	15.44	
	For Elevated Installation >40', Add	16.98	
	For Work In Restricted Working Space, Add	9.26	
26 05 33 13-1015	EA 4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	131.43	19.43
	For Elevated Installation >10' To 15', Add	3.89	
	For Elevated Installation >15' To 20', Add	7.77	
	For Elevated Installation >20' To 25', Add	9.72	
	For Elevated Installation >25' To 30', Add	13.60	
	For Elevated Installation >30' To 35', Add	15.54	
	For Elevated Installation >35' To 40', Add	19.43	
	For Elevated Installation >40', Add	21.37	
	For Work In Restricted Working Space, Add	11.66	
26 05 33 13-1016	<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies</b> <small>(26 05 33 13-0802)</small>		
26 05 33 13-1017	EA 1 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	128.63	27.44
	For Elevated Installation >10' To 15', Add	5.49	
	For Elevated Installation >15' To 20', Add	10.97	
	For Elevated Installation >20' To 25', Add	13.72	
	For Elevated Installation >25' To 30', Add	19.20	
	For Elevated Installation >30' To 35', Add	21.95	
	For Elevated Installation >35' To 40', Add	27.44	
	For Elevated Installation >40', Add	30.18	
	For Work In Restricted Working Space, Add	16.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.46	
26 05 33 13-1018	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	142.19	31.44
	For Elevated Installation >10' To 15', Add	6.29	
	For Elevated Installation >15' To 20', Add	12.57	
	For Elevated Installation >20' To 25', Add	15.72	
	For Elevated Installation >25' To 30', Add	22.00	
	For Elevated Installation >30' To 35', Add	25.15	
	For Elevated Installation >35' To 40', Add	31.44	
	For Elevated Installation >40', Add	34.58	
	For Work In Restricted Working Space, Add	18.86	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.86	
26 05 33 13-1019	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	166.25	36.01
	For Elevated Installation >10' To 15', Add	7.20	
	For Elevated Installation >15' To 20', Add	14.40	
	For Elevated Installation >20' To 25', Add	18.01	
	For Elevated Installation >25' To 30', Add	25.21	
	For Elevated Installation >30' To 35', Add	28.81	
	For Elevated Installation >35' To 40', Add	36.01	
	For Elevated Installation >40', Add	39.61	
	For Work In Restricted Working Space, Add	21.61	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.61	
26 05 33 13-1020	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	197.57	41.72
	For Elevated Installation >10' To 15', Add	8.35	
	For Elevated Installation >15' To 20', Add	16.69	
	For Elevated Installation >20' To 25', Add	20.86	
	For Elevated Installation >25' To 30', Add	29.21	
	For Elevated Installation >30' To 35', Add	33.38	
	For Elevated Installation >35' To 40', Add	41.73	
	For Elevated Installation >40', Add	45.90	
	For Work In Restricted Working Space, Add	25.04	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.04	
26 05 33 13-1021	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	247.45	45.73
	For Elevated Installation >10' To 15', Add	9.15	
	For Elevated Installation >15' To 20', Add	18.29	
	For Elevated Installation >20' To 25', Add	22.86	
	For Elevated Installation >25' To 30', Add	32.01	
	For Elevated Installation >30' To 35', Add	36.58	
	For Elevated Installation >35' To 40', Add	45.73	
	For Elevated Installation >40', Add	50.30	
	For Work In Restricted Working Space, Add	27.44	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.44	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1022	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	300.02	54.87
		<i>For Elevated Installation &gt;10' To 15', Add</i>	10.97	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	21.95	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	27.44	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	38.41	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	43.90	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	54.87	
		<i>For Elevated Installation &gt;40', Add</i>	60.36	
		<i>For Work In Restricted Working Space, Add</i>	32.92	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.92	
26 05 33 13-1023	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	435.04	77.16
		<i>For Elevated Installation &gt;10' To 15', Add</i>	15.43	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	30.86	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	38.58	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	54.01	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	61.73	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	77.16	
		<i>For Elevated Installation &gt;40', Add</i>	84.88	
		<i>For Work In Restricted Working Space, Add</i>	46.30	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.30	
26 05 33 13-1024	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	556.85	102.88
		<i>For Elevated Installation &gt;10' To 15', Add</i>	20.58	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	41.15	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	51.44	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	72.02	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	82.30	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	102.88	
		<i>For Elevated Installation &gt;40', Add</i>	113.17	
		<i>For Work In Restricted Working Space, Add</i>	61.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.73	
26 05 33 13-1025	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,133.03	128.60
		<i>For Elevated Installation &gt;10' To 15', Add</i>	25.72	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	51.44	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	64.30	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	90.02	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	102.88	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	128.60	
		<i>For Elevated Installation &gt;40', Add</i>	141.46	
		<i>For Work In Restricted Working Space, Add</i>	77.16	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.16	
26 05 33 13-1026	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,667.06	156.61
		<i>For Elevated Installation &gt;10' To 15', Add</i>	31.32	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	62.64	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	78.31	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	109.63	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	125.29	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	156.61	
		<i>For Elevated Installation &gt;40', Add</i>	172.27	
		<i>For Work In Restricted Working Space, Add</i>	93.97	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.97	
26 05 33 13-1027		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies</b> <small>(26 05 33 13-0802)</small>		
26 05 33 13-1028	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	224.63	27.44
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.49	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.97	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	13.72	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.20	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	21.95	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	27.44	
		<i>For Elevated Installation &gt;40', Add</i>	30.18	
		<i>For Work In Restricted Working Space, Add</i>	16.46	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.46	
26 05 33 13-1029	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	241.45	31.44
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.57	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.72	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	22.00	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.15	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	31.44	
		<i>For Elevated Installation &gt;40', Add</i>	34.58	
		<i>For Work In Restricted Working Space, Add</i>	18.86	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.86	
26 05 33 13-1030	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	275.70	36.01
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.20	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.40	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	18.01	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	25.21	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.81	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	36.01	
		<i>For Elevated Installation &gt;40', Add</i>	39.61	
		<i>For Work In Restricted Working Space, Add</i>	21.61	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.61	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1031	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	308.27	41.72
			For Elevated Installation >10' To 15', Add	8.35	
			For Elevated Installation >15' To 20', Add	16.69	
			For Elevated Installation >20' To 25', Add	20.86	
			For Elevated Installation >25' To 30', Add	29.21	
			For Elevated Installation >30' To 35', Add	33.38	
			For Elevated Installation >35' To 40', Add	41.73	
			For Elevated Installation >40', Add	45.90	
			For Work In Restricted Working Space, Add	25.04	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.04	
26 05 33 13-1032	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	374.87	45.73
			For Elevated Installation >10' To 15', Add	9.15	
			For Elevated Installation >15' To 20', Add	18.29	
			For Elevated Installation >20' To 25', Add	22.86	
			For Elevated Installation >25' To 30', Add	32.01	
			For Elevated Installation >30' To 35', Add	36.58	
			For Elevated Installation >35' To 40', Add	45.73	
			For Elevated Installation >40', Add	50.30	
			For Work In Restricted Working Space, Add	27.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.44	
26 05 33 13-1033	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	421.23	54.87
			For Elevated Installation >10' To 15', Add	10.97	
			For Elevated Installation >15' To 20', Add	21.95	
			For Elevated Installation >20' To 25', Add	27.44	
			For Elevated Installation >25' To 30', Add	38.41	
			For Elevated Installation >30' To 35', Add	43.90	
			For Elevated Installation >35' To 40', Add	54.87	
			For Elevated Installation >40', Add	60.36	
			For Work In Restricted Working Space, Add	32.92	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.92	
26 05 33 13-1034	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	592.64	77.16
			For Elevated Installation >10' To 15', Add	15.43	
			For Elevated Installation >15' To 20', Add	30.86	
			For Elevated Installation >20' To 25', Add	38.58	
			For Elevated Installation >25' To 30', Add	54.01	
			For Elevated Installation >30' To 35', Add	61.73	
			For Elevated Installation >35' To 40', Add	77.16	
			For Elevated Installation >40', Add	84.88	
			For Work In Restricted Working Space, Add	46.30	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.30	
26 05 33 13-1035	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	826.76	102.88
			For Elevated Installation >10' To 15', Add	20.58	
			For Elevated Installation >15' To 20', Add	41.15	
			For Elevated Installation >20' To 25', Add	51.44	
			For Elevated Installation >25' To 30', Add	72.02	
			For Elevated Installation >30' To 35', Add	82.30	
			For Elevated Installation >35' To 40', Add	102.88	
			For Elevated Installation >40', Add	113.17	
			For Work In Restricted Working Space, Add	61.73	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.73	
26 05 33 13-1036	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	1,211.41	128.60
			For Elevated Installation >10' To 15', Add	25.72	
			For Elevated Installation >15' To 20', Add	51.44	
			For Elevated Installation >20' To 25', Add	64.30	
			For Elevated Installation >25' To 30', Add	90.02	
			For Elevated Installation >30' To 35', Add	102.88	
			For Elevated Installation >35' To 40', Add	128.60	
			For Elevated Installation >40', Add	141.46	
			For Work In Restricted Working Space, Add	77.16	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.16	
26 05 33 13-1037	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	1,769.63	156.61
			For Elevated Installation >10' To 15', Add	31.32	
			For Elevated Installation >15' To 20', Add	62.64	
			For Elevated Installation >20' To 25', Add	78.31	
			For Elevated Installation >25' To 30', Add	109.63	
			For Elevated Installation >30' To 35', Add	125.29	
			For Elevated Installation >35' To 40', Add	156.61	
			For Elevated Installation >40', Add	172.27	
			For Work In Restricted Working Space, Add	93.97	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.97	
26 05 33 13-1038			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies</b> (26 05 33 13-0802)		
26 05 33 13-1039	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	178.41	27.44
			For Elevated Installation >10' To 15', Add	5.49	
			For Elevated Installation >15' To 20', Add	10.97	
			For Elevated Installation >20' To 25', Add	13.72	
			For Elevated Installation >25' To 30', Add	19.20	
			For Elevated Installation >30' To 35', Add	21.95	
			For Elevated Installation >35' To 40', Add	27.44	
			For Elevated Installation >40', Add	30.18	
			For Work In Restricted Working Space, Add	16.46	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1040	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	189.70 6.29 12.57 15.72 22.00 25.15 31.44 34.58 18.86 18.86	31.44
26 05 33	13-1041	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	217.98 7.20 14.40 18.01 25.21 28.81 36.01 39.61 21.61 21.61	36.01
26 05 33	13-1042	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	242.80 8.35 16.69 20.86 29.21 33.38 41.73 45.90 25.04 25.04	41.72
26 05 33	13-1043	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	336.76 9.15 18.29 22.86 32.01 36.58 45.73 50.30 27.44 27.44	45.73
26 05 33	13-1044	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	423.54 10.97 21.95 27.44 38.41 43.90 54.87 60.36 32.92 32.92	54.87
26 05 33	13-1045	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	659.66 15.43 30.86 38.58 54.01 61.73 77.16 84.88 46.30 46.30	77.16
26 05 33	13-1046	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	963.13 20.58 41.15 51.44 72.02 82.30 102.88 113.17 61.73 61.73	102.88
26 05 33	13-1047	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,211.41 25.72 51.44 64.30 90.02 102.88 128.60 141.46 77.16 77.16	128.60
26 05 33	13-1048		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies <small>(26 05 33 13-0802)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1049	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	238.20	27.44
	<i>For Elevated Installation &gt;10' To 15', Add</i>	5.49	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	10.97	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	13.72	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	19.20	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	21.95	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	27.44	
	<i>For Elevated Installation &gt;40', Add</i>	30.18	
	<i>For Work In Restricted Working Space, Add</i>	16.46	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.46	
26 05 33 13-1050	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	264.08	31.44
	<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	12.57	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	15.72	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	22.00	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	25.15	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	31.44	
	<i>For Elevated Installation &gt;40', Add</i>	34.58	
	<i>For Work In Restricted Working Space, Add</i>	18.86	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.86	
26 05 33 13-1051	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	328.05	36.01
	<i>For Elevated Installation &gt;10' To 15', Add</i>	7.20	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	14.40	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	18.01	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	25.21	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	28.81	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	36.01	
	<i>For Elevated Installation &gt;40', Add</i>	39.61	
	<i>For Work In Restricted Working Space, Add</i>	21.61	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.61	
26 05 33 13-1052	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	405.08	41.72
	<i>For Elevated Installation &gt;10' To 15', Add</i>	8.35	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	16.69	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	20.86	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	29.21	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	33.38	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	41.73	
	<i>For Elevated Installation &gt;40', Add</i>	45.90	
	<i>For Work In Restricted Working Space, Add</i>	25.04	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.04	
26 05 33 13-1053	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	566.04	45.73
	<i>For Elevated Installation &gt;10' To 15', Add</i>	9.15	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	18.29	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	22.86	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	32.01	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	36.58	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	45.73	
	<i>For Elevated Installation &gt;40', Add</i>	50.30	
	<i>For Work In Restricted Working Space, Add</i>	27.44	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.44	
26 05 33 13-1054	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	678.36	54.87
	<i>For Elevated Installation &gt;10' To 15', Add</i>	10.97	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	21.95	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	27.44	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	38.41	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	43.90	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	54.87	
	<i>For Elevated Installation &gt;40', Add</i>	60.36	
	<i>For Work In Restricted Working Space, Add</i>	32.92	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.92	
26 05 33 13-1055	<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings</b> <small>(26 05 33 13-0802)</small>		
26 05 33 13-1056	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	44.44	11.00
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.20	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	4.40	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	5.50	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	7.69	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	8.79	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	10.99	
	<i>For Elevated Installation &gt;40', Add</i>	12.09	
	<i>For Work In Restricted Working Space, Add</i>	6.59	
26 05 33 13-1057	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	59.29	13.19
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.64	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	5.28	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	6.60	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	9.23	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	10.55	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	13.19	
	<i>For Elevated Installation &gt;40', Add</i>	14.51	
	<i>For Work In Restricted Working Space, Add</i>	7.91	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1058	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	75.13	17.59
			For Elevated Installation >10' To 15', Add	3.52	
			For Elevated Installation >15' To 20', Add	7.03	
			For Elevated Installation >20' To 25', Add	8.79	
			For Elevated Installation >25' To 30', Add	12.31	
			For Elevated Installation >30' To 35', Add	14.07	
			For Elevated Installation >35' To 40', Add	17.59	
			For Elevated Installation >40', Add	19.34	
			For Work In Restricted Working Space, Add	10.55	
26 05 33	13-1059	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	103.94	21.98
			For Elevated Installation >10' To 15', Add	4.40	
			For Elevated Installation >15' To 20', Add	8.79	
			For Elevated Installation >20' To 25', Add	10.99	
			For Elevated Installation >25' To 30', Add	15.39	
			For Elevated Installation >30' To 35', Add	17.59	
			For Elevated Installation >35' To 40', Add	21.99	
			For Elevated Installation >40', Add	24.18	
			For Work In Restricted Working Space, Add	13.19	
26 05 33	13-1060	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	137.02	26.38
			For Elevated Installation >10' To 15', Add	5.28	
			For Elevated Installation >15' To 20', Add	10.55	
			For Elevated Installation >20' To 25', Add	13.19	
			For Elevated Installation >25' To 30', Add	18.47	
			For Elevated Installation >30' To 35', Add	21.10	
			For Elevated Installation >35' To 40', Add	26.38	
			For Elevated Installation >40', Add	29.02	
			For Work In Restricted Working Space, Add	15.83	
26 05 33	13-1061	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	239.71	30.78
			For Elevated Installation >10' To 15', Add	6.16	
			For Elevated Installation >15' To 20', Add	12.31	
			For Elevated Installation >20' To 25', Add	15.39	
			For Elevated Installation >25' To 30', Add	21.55	
			For Elevated Installation >30' To 35', Add	24.62	
			For Elevated Installation >35' To 40', Add	30.78	
			For Elevated Installation >40', Add	33.86	
			For Work In Restricted Working Space, Add	18.47	
26 05 33	13-1062	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	350.82	35.17
			For Elevated Installation >10' To 15', Add	7.03	
			For Elevated Installation >15' To 20', Add	14.07	
			For Elevated Installation >20' To 25', Add	17.59	
			For Elevated Installation >25' To 30', Add	24.62	
			For Elevated Installation >30' To 35', Add	28.14	
			For Elevated Installation >35' To 40', Add	35.17	
			For Elevated Installation >40', Add	38.69	
			For Work In Restricted Working Space, Add	21.10	
26 05 33	13-1063	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	438.81	39.57
			For Elevated Installation >10' To 15', Add	7.91	
			For Elevated Installation >15' To 20', Add	15.83	
			For Elevated Installation >20' To 25', Add	19.79	
			For Elevated Installation >25' To 30', Add	27.70	
			For Elevated Installation >30' To 35', Add	31.66	
			For Elevated Installation >35' To 40', Add	39.57	
			For Elevated Installation >40', Add	43.53	
			For Work In Restricted Working Space, Add	23.74	
26 05 33	13-1064	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	613.13	46.17
			For Elevated Installation >10' To 15', Add	9.23	
			For Elevated Installation >15' To 20', Add	18.47	
			For Elevated Installation >20' To 25', Add	23.08	
			For Elevated Installation >25' To 30', Add	32.32	
			For Elevated Installation >30' To 35', Add	36.93	
			For Elevated Installation >35' To 40', Add	46.17	
			For Elevated Installation >40', Add	50.78	
			For Work In Restricted Working Space, Add	27.70	
26 05 33	13-1065	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	745.31	52.76
			For Elevated Installation >10' To 15', Add	10.55	
			For Elevated Installation >15' To 20', Add	21.10	
			For Elevated Installation >20' To 25', Add	26.38	
			For Elevated Installation >25' To 30', Add	36.93	
			For Elevated Installation >30' To 35', Add	42.21	
			For Elevated Installation >35' To 40', Add	52.76	
			For Elevated Installation >40', Add	58.04	
			For Work In Restricted Working Space, Add	31.66	
26 05 33	13-1066	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	1,193.12	83.54
			For Elevated Installation >10' To 15', Add	16.71	
			For Elevated Installation >15' To 20', Add	33.41	
			For Elevated Installation >20' To 25', Add	41.77	
			For Elevated Installation >25' To 30', Add	58.47	
			For Elevated Installation >30' To 35', Add	66.83	
			For Elevated Installation >35' To 40', Add	83.54	
			For Elevated Installation >40', Add	91.89	
			For Work In Restricted Working Space, Add	50.12	
26 05 33	13-1067	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	1,627.50	127.50
			For Elevated Installation >10' To 15', Add	25.50	
			For Elevated Installation >15' To 20', Add	51.00	
			For Elevated Installation >20' To 25', Add	63.75	
			For Elevated Installation >25' To 30', Add	89.25	
			For Elevated Installation >30' To 35', Add	102.00	
			For Elevated Installation >35' To 40', Add	127.51	
			For Elevated Installation >40', Add	140.26	
			For Work In Restricted Working Space, Add	76.50	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1068	<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows</b> <small>(26 05 33 13-0802)</small>		
26 05 33 13-1069	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	167.87	27.44
	For Elevated Installation >10' To 15', Add	5.49	
	For Elevated Installation >15' To 20', Add	10.97	
	For Elevated Installation >20' To 25', Add	13.72	
	For Elevated Installation >25' To 30', Add	19.20	
	For Elevated Installation >30' To 35', Add	21.95	
	For Elevated Installation >35' To 40', Add	27.44	
	For Elevated Installation >40', Add	30.18	
	For Work In Restricted Working Space, Add	16.46	
26 05 33 13-1070	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	199.01	30.30
	For Elevated Installation >10' To 15', Add	6.06	
	For Elevated Installation >15' To 20', Add	12.12	
	For Elevated Installation >20' To 25', Add	15.15	
	For Elevated Installation >25' To 30', Add	21.20	
	For Elevated Installation >30' To 35', Add	24.23	
	For Elevated Installation >35' To 40', Add	30.29	
	For Elevated Installation >40', Add	33.32	
	For Work In Restricted Working Space, Add	18.17	
26 05 33 13-1071	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	218.93	36.01
	For Elevated Installation >10' To 15', Add	7.20	
	For Elevated Installation >15' To 20', Add	14.40	
	For Elevated Installation >20' To 25', Add	18.01	
	For Elevated Installation >25' To 30', Add	25.21	
	For Elevated Installation >30' To 35', Add	28.81	
	For Elevated Installation >35' To 40', Add	36.01	
	For Elevated Installation >40', Add	39.61	
	For Work In Restricted Working Space, Add	21.61	
26 05 33 13-1072	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	317.23	41.72
	For Elevated Installation >10' To 15', Add	8.35	
	For Elevated Installation >15' To 20', Add	16.69	
	For Elevated Installation >20' To 25', Add	20.86	
	For Elevated Installation >25' To 30', Add	29.21	
	For Elevated Installation >30' To 35', Add	33.38	
	For Elevated Installation >35' To 40', Add	41.73	
	For Elevated Installation >40', Add	45.90	
	For Work In Restricted Working Space, Add	25.04	
26 05 33 13-1073	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	420.87	45.73
	For Elevated Installation >10' To 15', Add	9.15	
	For Elevated Installation >15' To 20', Add	18.29	
	For Elevated Installation >20' To 25', Add	22.86	
	For Elevated Installation >25' To 30', Add	32.01	
	For Elevated Installation >30' To 35', Add	36.58	
	For Elevated Installation >35' To 40', Add	45.73	
	For Elevated Installation >40', Add	50.30	
	For Work In Restricted Working Space, Add	27.44	
26 05 33 13-1074	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	452.85	54.87
	For Elevated Installation >10' To 15', Add	10.97	
	For Elevated Installation >15' To 20', Add	21.95	
	For Elevated Installation >20' To 25', Add	27.44	
	For Elevated Installation >25' To 30', Add	38.41	
	For Elevated Installation >30' To 35', Add	43.90	
	For Elevated Installation >35' To 40', Add	54.87	
	For Elevated Installation >40', Add	60.36	
	For Work In Restricted Working Space, Add	32.92	
26 05 33 13-1075	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	1,083.57	76.01
	For Elevated Installation >10' To 15', Add	15.20	
	For Elevated Installation >15' To 20', Add	30.41	
	For Elevated Installation >20' To 25', Add	38.01	
	For Elevated Installation >25' To 30', Add	53.21	
	For Elevated Installation >30' To 35', Add	60.82	
	For Elevated Installation >35' To 40', Add	76.02	
	For Elevated Installation >40', Add	83.62	
	For Work In Restricted Working Space, Add	45.61	
26 05 33 13-1076	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	1,137.52	102.88
	For Elevated Installation >10' To 15', Add	20.58	
	For Elevated Installation >15' To 20', Add	41.15	
	For Elevated Installation >20' To 25', Add	51.44	
	For Elevated Installation >25' To 30', Add	72.02	
	For Elevated Installation >30' To 35', Add	82.31	
	For Elevated Installation >35' To 40', Add	102.89	
	For Elevated Installation >40', Add	113.17	
	For Work In Restricted Working Space, Add	61.73	
26 05 33 13-1077	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	1,871.16	128.60
	For Elevated Installation >10' To 15', Add	25.72	
	For Elevated Installation >15' To 20', Add	51.44	
	For Elevated Installation >20' To 25', Add	64.30	
	For Elevated Installation >25' To 30', Add	90.02	
	For Elevated Installation >30' To 35', Add	102.88	
	For Elevated Installation >35' To 40', Add	128.61	
	For Elevated Installation >40', Add	141.47	
	For Work In Restricted Working Space, Add	77.16	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1078	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,942.83 31.32 62.65 78.31 109.63 125.29 156.62 172.28 93.97	156.61
<b>26 05 33 13-1079 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows <small>(26 05 33 13-0802)</small></b>						
26 05 33	13-1080	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	248.29 5.49 10.97 13.72 19.20 21.95 27.44 30.18 16.46	27.44
26 05 33	13-1081	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	282.80 6.29 12.57 15.72 22.00 25.15 31.44 34.58 18.86	31.44
26 05 33	13-1082	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	564.90 7.20 14.40 18.01 25.21 28.81 36.01 39.61 21.61	36.01
26 05 33	13-1083	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	591.55 8.35 16.69 20.86 29.21 33.38 41.73 45.90 25.04	41.72
26 05 33	13-1084	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	811.64 9.15 18.29 22.86 32.01 36.58 45.73 50.30 27.44	45.73
26 05 33	13-1085	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	864.09 10.97 21.95 27.44 38.41 43.90 54.87 60.36 32.92	54.87
26 05 33	13-1086	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,669.03 15.43 30.86 38.58 54.01 61.73 77.16 84.88 46.30	77.16

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1087	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,750.41	102.88
	For Elevated Installation >10' To 15', Add	20.58	
	For Elevated Installation >15' To 20', Add	41.15	
	For Elevated Installation >20' To 25', Add	51.44	
	For Elevated Installation >25' To 30', Add	72.02	
	For Elevated Installation >30' To 35', Add	82.30	
	For Elevated Installation >35' To 40', Add	102.88	
	For Elevated Installation >40', Add	113.17	
	For Work In Restricted Working Space, Add	61.73	
26 05 33 13-1088	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	2,570.26	128.60
	For Elevated Installation >10' To 15', Add	25.72	
	For Elevated Installation >15' To 20', Add	51.44	
	For Elevated Installation >20' To 25', Add	64.30	
	For Elevated Installation >25' To 30', Add	90.02	
	For Elevated Installation >30' To 35', Add	102.88	
	For Elevated Installation >35' To 40', Add	128.60	
	For Elevated Installation >40', Add	141.46	
	For Work In Restricted Working Space, Add	77.16	
26 05 33 13-1089	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	2,907.46	156.61
	For Elevated Installation >10' To 15', Add	31.32	
	For Elevated Installation >15' To 20', Add	62.64	
	For Elevated Installation >20' To 25', Add	78.31	
	For Elevated Installation >25' To 30', Add	109.63	
	For Elevated Installation >30' To 35', Add	125.29	
	For Elevated Installation >35' To 40', Add	156.61	
	For Elevated Installation >40', Add	172.27	
	For Work In Restricted Working Space, Add	93.97	
26 05 33 13-1090	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows <small>(26 05 33 13-0802)</small>		
26 05 33 13-1091	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	94.23	14.29
	For Elevated Installation >10' To 15', Add	2.86	
	For Elevated Installation >15' To 20', Add	5.72	
	For Elevated Installation >20' To 25', Add	7.15	
	For Elevated Installation >25' To 30', Add	10.00	
	For Elevated Installation >30' To 35', Add	11.43	
	For Elevated Installation >35' To 40', Add	14.29	
	For Elevated Installation >40', Add	15.72	
	For Work In Restricted Working Space, Add	8.57	
26 05 33 13-1092	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	109.35	17.72
	For Elevated Installation >10' To 15', Add	3.54	
	For Elevated Installation >15' To 20', Add	7.09	
	For Elevated Installation >20' To 25', Add	8.86	
	For Elevated Installation >25' To 30', Add	12.40	
	For Elevated Installation >30' To 35', Add	14.17	
	For Elevated Installation >35' To 40', Add	17.72	
	For Elevated Installation >40', Add	19.49	
	For Work In Restricted Working Space, Add	10.63	
26 05 33 13-1093	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	130.12	21.72
	For Elevated Installation >10' To 15', Add	4.34	
	For Elevated Installation >15' To 20', Add	8.69	
	For Elevated Installation >20' To 25', Add	10.86	
	For Elevated Installation >25' To 30', Add	15.20	
	For Elevated Installation >30' To 35', Add	17.38	
	For Elevated Installation >35' To 40', Add	21.72	
	For Elevated Installation >40', Add	23.89	
	For Work In Restricted Working Space, Add	13.03	
26 05 33 13-1094	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	153.73	25.15
	For Elevated Installation >10' To 15', Add	5.03	
	For Elevated Installation >15' To 20', Add	10.06	
	For Elevated Installation >20' To 25', Add	12.58	
	For Elevated Installation >25' To 30', Add	17.61	
	For Elevated Installation >30' To 35', Add	20.12	
	For Elevated Installation >35' To 40', Add	25.15	
	For Elevated Installation >40', Add	27.67	
	For Work In Restricted Working Space, Add	15.09	
26 05 33 13-1095	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows <small>(26 05 33 13-0802)</small>		
26 05 33 13-1096	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	73.28	14.29
	For Elevated Installation >10' To 15', Add	2.86	
	For Elevated Installation >15' To 20', Add	5.72	
	For Elevated Installation >20' To 25', Add	7.15	
	For Elevated Installation >25' To 30', Add	10.00	
	For Elevated Installation >30' To 35', Add	11.43	
	For Elevated Installation >35' To 40', Add	14.29	
	For Elevated Installation >40', Add	15.72	
	For Work In Restricted Working Space, Add	8.57	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1097	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow .....84.21		17.72
				<i>For Elevated Installation &gt;10' To 15', Add</i>	3.54	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	7.09	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	8.86	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	12.40	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	14.17	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	17.72	
				<i>For Elevated Installation &gt;40', Add</i>	19.49	
				<i>For Work In Restricted Working Space, Add</i>	10.63	
26 05 33 13-1098	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow .....117.87		21.72
				<i>For Elevated Installation &gt;10' To 15', Add</i>	4.34	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	8.69	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	10.86	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	15.20	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	17.38	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	21.72	
				<i>For Elevated Installation &gt;40', Add</i>	23.89	
				<i>For Work In Restricted Working Space, Add</i>	13.03	
26 05 33 13-1099	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow .....153.83		25.15
				<i>For Elevated Installation &gt;10' To 15', Add</i>	5.03	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	10.06	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	12.58	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	17.61	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	20.12	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	25.15	
				<i>For Elevated Installation &gt;40', Add</i>	27.67	
				<i>For Work In Restricted Working Space, Add</i>	15.09	
26 05 33 13-1100	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow .....188.08		28.58
				<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
				<i>For Elevated Installation &gt;40', Add</i>	31.43	
				<i>For Work In Restricted Working Space, Add</i>	17.15	
26 05 33 13-1101	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow .....273.38		31.44
				<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	12.57	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	15.72	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	22.00	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	25.15	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	31.44	
				<i>For Elevated Installation &gt;40', Add</i>	34.58	
				<i>For Work In Restricted Working Space, Add</i>	18.86	
26 05 33 13-1102	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow .....374.66		39.44
				<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
				<i>For Elevated Installation &gt;40', Add</i>	43.38	
				<i>For Work In Restricted Working Space, Add</i>	23.66	
26 05 33 13-1103				<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows</b> <small>(26 05 33 13-0802)</small>		
26 05 33 13-1104	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow .....94.28		14.29
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
				<i>For Elevated Installation &gt;40', Add</i>	15.72	
				<i>For Work In Restricted Working Space, Add</i>	8.57	
26 05 33 13-1105	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow .....112.25		17.72
				<i>For Elevated Installation &gt;10' To 15', Add</i>	3.54	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	7.09	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	8.86	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	12.40	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	14.17	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	17.72	
				<i>For Elevated Installation &gt;40', Add</i>	19.49	
				<i>For Work In Restricted Working Space, Add</i>	10.63	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1106	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow .....	130.14	21.72
	For Elevated Installation >10' To 15', Add	4.34	
	For Elevated Installation >15' To 20', Add	8.69	
	For Elevated Installation >20' To 25', Add	10.86	
	For Elevated Installation >25' To 30', Add	15.20	
	For Elevated Installation >30' To 35', Add	17.38	
	For Elevated Installation >35' To 40', Add	21.72	
	For Elevated Installation >40', Add	23.89	
	For Work In Restricted Working Space, Add	13.03	
26 05 33 13-1107	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow .....	153.78	25.15
	For Elevated Installation >10' To 15', Add	5.03	
	For Elevated Installation >15' To 20', Add	10.06	
	For Elevated Installation >20' To 25', Add	12.58	
	For Elevated Installation >25' To 30', Add	17.61	
	For Elevated Installation >30' To 35', Add	20.12	
	For Elevated Installation >35' To 40', Add	25.15	
	For Elevated Installation >40', Add	27.67	
	For Work In Restricted Working Space, Add	15.09	
26 05 33 13-1108	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows <small>(26 05 33 13-0802)</small>		
26 05 33 13-1109	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow .....	73.36	14.29
	For Elevated Installation >10' To 15', Add	2.86	
	For Elevated Installation >15' To 20', Add	5.72	
	For Elevated Installation >20' To 25', Add	7.15	
	For Elevated Installation >25' To 30', Add	10.00	
	For Elevated Installation >30' To 35', Add	11.43	
	For Elevated Installation >35' To 40', Add	14.29	
	For Elevated Installation >40', Add	15.72	
	For Work In Restricted Working Space, Add	8.57	
26 05 33 13-1110	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow .....	84.21	17.72
	For Elevated Installation >10' To 15', Add	3.54	
	For Elevated Installation >15' To 20', Add	7.09	
	For Elevated Installation >20' To 25', Add	8.86	
	For Elevated Installation >25' To 30', Add	12.40	
	For Elevated Installation >30' To 35', Add	14.17	
	For Elevated Installation >35' To 40', Add	17.72	
	For Elevated Installation >40', Add	19.49	
	For Work In Restricted Working Space, Add	10.63	
26 05 33 13-1111	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow .....	109.19	21.72
	For Elevated Installation >10' To 15', Add	4.34	
	For Elevated Installation >15' To 20', Add	8.69	
	For Elevated Installation >20' To 25', Add	10.86	
	For Elevated Installation >25' To 30', Add	15.20	
	For Elevated Installation >30' To 35', Add	17.38	
	For Elevated Installation >35' To 40', Add	21.72	
	For Elevated Installation >40', Add	23.89	
	For Work In Restricted Working Space, Add	13.03	
26 05 33 13-1112	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow .....	136.98	25.15
	For Elevated Installation >10' To 15', Add	5.03	
	For Elevated Installation >15' To 20', Add	10.06	
	For Elevated Installation >20' To 25', Add	12.58	
	For Elevated Installation >25' To 30', Add	17.61	
	For Elevated Installation >30' To 35', Add	20.12	
	For Elevated Installation >35' To 40', Add	25.15	
	For Elevated Installation >40', Add	27.67	
	For Work In Restricted Working Space, Add	15.09	
26 05 33 13-1113	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow .....	160.63	28.58
	For Elevated Installation >10' To 15', Add	5.72	
	For Elevated Installation >15' To 20', Add	11.43	
	For Elevated Installation >20' To 25', Add	14.29	
	For Elevated Installation >25' To 30', Add	20.00	
	For Elevated Installation >30' To 35', Add	22.86	
	For Elevated Installation >35' To 40', Add	28.58	
	For Elevated Installation >40', Add	31.43	
	For Work In Restricted Working Space, Add	17.15	
26 05 33 13-1114	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow .....	185.48	31.44
	For Elevated Installation >10' To 15', Add	6.29	
	For Elevated Installation >15' To 20', Add	12.57	
	For Elevated Installation >20' To 25', Add	15.72	
	For Elevated Installation >25' To 30', Add	22.00	
	For Elevated Installation >30' To 35', Add	25.15	
	For Elevated Installation >35' To 40', Add	31.44	
	For Elevated Installation >40', Add	34.58	
	For Work In Restricted Working Space, Add	18.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1115	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow .....	352.25	39.44
			For Elevated Installation >10' To 15', Add	7.89	
			For Elevated Installation >15' To 20', Add	15.77	
			For Elevated Installation >20' To 25', Add	19.72	
			For Elevated Installation >25' To 30', Add	27.60	
			For Elevated Installation >30' To 35', Add	31.55	
			For Elevated Installation >35' To 40', Add	39.44	
			For Elevated Installation >40', Add	43.38	
			For Work In Restricted Working Space, Add	23.66	
26 05 33 13-1116	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow .....	401.13	53.72
			For Elevated Installation >10' To 15', Add	10.75	
			For Elevated Installation >15' To 20', Add	21.49	
			For Elevated Installation >20' To 25', Add	26.86	
			For Elevated Installation >25' To 30', Add	37.61	
			For Elevated Installation >30' To 35', Add	42.98	
			For Elevated Installation >35' To 40', Add	53.73	
			For Elevated Installation >40', Add	59.10	
			For Work In Restricted Working Space, Add	32.24	
26 05 33 13-1117	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow .....	431.99	60.58
			For Elevated Installation >10' To 15', Add	12.12	
			For Elevated Installation >15' To 20', Add	24.23	
			For Elevated Installation >20' To 25', Add	30.29	
			For Elevated Installation >25' To 30', Add	42.41	
			For Elevated Installation >30' To 35', Add	48.47	
			For Elevated Installation >35' To 40', Add	60.59	
			For Elevated Installation >40', Add	66.64	
			For Work In Restricted Working Space, Add	36.35	
26 05 33 13-1118	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow .....	531.71	78.87
			For Elevated Installation >10' To 15', Add	15.78	
			For Elevated Installation >15' To 20', Add	31.55	
			For Elevated Installation >20' To 25', Add	39.44	
			For Elevated Installation >25' To 30', Add	55.21	
			For Elevated Installation >30' To 35', Add	63.10	
			For Elevated Installation >35' To 40', Add	78.88	
			For Elevated Installation >40', Add	86.76	
			For Work In Restricted Working Space, Add	47.33	

**26 05 33 13-1119 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows** (26 05 33 13-0802)

26 05 33 13-1120	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....	154.30	27.44
			For Elevated Installation >10' To 15', Add	5.49	
			For Elevated Installation >15' To 20', Add	10.97	
			For Elevated Installation >20' To 25', Add	13.72	
			For Elevated Installation >25' To 30', Add	19.20	
			For Elevated Installation >30' To 35', Add	21.95	
			For Elevated Installation >35' To 40', Add	27.44	
			For Elevated Installation >40', Add	30.18	
			For Work In Restricted Working Space, Add	16.46	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.46	
26 05 33 13-1121	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....	166.21	31.44
			For Elevated Installation >10' To 15', Add	6.29	
			For Elevated Installation >15' To 20', Add	12.57	
			For Elevated Installation >20' To 25', Add	15.72	
			For Elevated Installation >25' To 30', Add	22.00	
			For Elevated Installation >30' To 35', Add	25.15	
			For Elevated Installation >35' To 40', Add	31.44	
			For Elevated Installation >40', Add	34.58	
			For Work In Restricted Working Space, Add	18.86	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.86	
26 05 33 13-1122	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....	181.47	36.01
			For Elevated Installation >10' To 15', Add	7.20	
			For Elevated Installation >15' To 20', Add	14.40	
			For Elevated Installation >20' To 25', Add	18.01	
			For Elevated Installation >25' To 30', Add	25.21	
			For Elevated Installation >30' To 35', Add	28.81	
			For Elevated Installation >35' To 40', Add	36.01	
			For Elevated Installation >40', Add	39.61	
			For Work In Restricted Working Space, Add	21.61	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.61	
26 05 33 13-1123	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....	245.73	41.72
			For Elevated Installation >10' To 15', Add	8.35	
			For Elevated Installation >15' To 20', Add	16.69	
			For Elevated Installation >20' To 25', Add	20.86	
			For Elevated Installation >25' To 30', Add	29.21	
			For Elevated Installation >30' To 35', Add	33.38	
			For Elevated Installation >35' To 40', Add	41.73	
			For Elevated Installation >40', Add	45.90	
			For Work In Restricted Working Space, Add	25.04	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.04	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1124	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....	314.88	45.73
	For Elevated Installation >10' To 15', Add	9.15	
	For Elevated Installation >15' To 20', Add	18.29	
	For Elevated Installation >20' To 25', Add	22.86	
	For Elevated Installation >25' To 30', Add	32.01	
	For Elevated Installation >30' To 35', Add	36.58	
	For Elevated Installation >35' To 40', Add	45.73	
	For Elevated Installation >40', Add	50.30	
	For Work In Restricted Working Space, Add	27.44	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.44	
26 05 33 13-1125	<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover</b> <small>(26 05 33 13-0802)</small>		
26 05 33 13-1126	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	187.50	27.44
	For Elevated Installation >10' To 15', Add	5.49	
	For Elevated Installation >15' To 20', Add	10.97	
	For Elevated Installation >20' To 25', Add	13.72	
	For Elevated Installation >25' To 30', Add	19.20	
	For Elevated Installation >30' To 35', Add	21.95	
	For Elevated Installation >35' To 40', Add	27.44	
	For Elevated Installation >40', Add	30.18	
	For Work In Restricted Working Space, Add	16.46	
26 05 33 13-1127	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	201.44	31.44
	For Elevated Installation >10' To 15', Add	6.29	
	For Elevated Installation >15' To 20', Add	12.57	
	For Elevated Installation >20' To 25', Add	15.72	
	For Elevated Installation >25' To 30', Add	22.00	
	For Elevated Installation >30' To 35', Add	25.15	
	For Elevated Installation >35' To 40', Add	31.44	
	For Elevated Installation >40', Add	34.58	
	For Work In Restricted Working Space, Add	18.86	
26 05 33 13-1128	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	235.69	36.01
	For Elevated Installation >10' To 15', Add	7.20	
	For Elevated Installation >15' To 20', Add	14.40	
	For Elevated Installation >20' To 25', Add	18.01	
	For Elevated Installation >25' To 30', Add	25.21	
	For Elevated Installation >30' To 35', Add	28.81	
	For Elevated Installation >35' To 40', Add	36.01	
	For Elevated Installation >40', Add	39.61	
	For Work In Restricted Working Space, Add	21.61	
26 05 33 13-1129	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	339.84	41.72
	For Elevated Installation >10' To 15', Add	8.35	
	For Elevated Installation >15' To 20', Add	16.69	
	For Elevated Installation >20' To 25', Add	20.86	
	For Elevated Installation >25' To 30', Add	29.21	
	For Elevated Installation >30' To 35', Add	33.38	
	For Elevated Installation >35' To 40', Add	41.73	
	For Elevated Installation >40', Add	45.90	
	For Work In Restricted Working Space, Add	25.04	
26 05 33 13-1130	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	558.73	45.73
	For Elevated Installation >10' To 15', Add	9.15	
	For Elevated Installation >15' To 20', Add	18.29	
	For Elevated Installation >20' To 25', Add	22.86	
	For Elevated Installation >25' To 30', Add	32.01	
	For Elevated Installation >30' To 35', Add	36.58	
	For Elevated Installation >35' To 40', Add	45.73	
	For Elevated Installation >40', Add	50.30	
	For Work In Restricted Working Space, Add	27.44	
26 05 33 13-1131	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	602.07	54.87
	For Elevated Installation >10' To 15', Add	10.97	
	For Elevated Installation >15' To 20', Add	21.95	
	For Elevated Installation >20' To 25', Add	27.44	
	For Elevated Installation >25' To 30', Add	38.41	
	For Elevated Installation >30' To 35', Add	43.90	
	For Elevated Installation >35' To 40', Add	54.87	
	For Elevated Installation >40', Add	60.36	
	For Work In Restricted Working Space, Add	32.92	
26 05 33 13-1132	<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover</b> <small>(26 05 33 13-0802)</small>		
26 05 33 13-1133	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover .....	206.34	27.44
	For Elevated Installation >10' To 15', Add	5.49	
	For Elevated Installation >15' To 20', Add	10.97	
	For Elevated Installation >20' To 25', Add	13.72	
	For Elevated Installation >25' To 30', Add	19.20	
	For Elevated Installation >30' To 35', Add	21.95	
	For Elevated Installation >35' To 40', Add	27.44	
	For Elevated Installation >40', Add	30.18	
	For Work In Restricted Working Space, Add	16.46	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1134	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	232.87	31.44
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.57	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.44	
			<i>For Elevated Installation &gt;40', Add</i>	34.58	
			<i>For Work In Restricted Working Space, Add</i>	18.86	
26 05 33	13-1135	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	253.62	36.01
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.20	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.40	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.01	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.81	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	36.01	
			<i>For Elevated Installation &gt;40', Add</i>	39.61	
			<i>For Work In Restricted Working Space, Add</i>	21.61	
26 05 33	13-1136	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	358.05	41.72
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.35	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.73	
			<i>For Elevated Installation &gt;40', Add</i>	45.90	
			<i>For Work In Restricted Working Space, Add</i>	25.04	
26 05 33	13-1137	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	602.19	45.73
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.29	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	32.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.73	
			<i>For Elevated Installation &gt;40', Add</i>	50.30	
			<i>For Work In Restricted Working Space, Add</i>	27.44	
26 05 33	13-1138	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	641.95	54.87
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.97	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	27.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	38.41	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	43.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	54.87	
			<i>For Elevated Installation &gt;40', Add</i>	60.36	
			<i>For Work In Restricted Working Space, Add</i>	32.92	
<b>26 05 33 13-1139 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover (26 05 33 13-0902)</b>					
26 05 33	13-1140	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	206.48	27.44
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.49	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.95	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	27.44	
			<i>For Elevated Installation &gt;40', Add</i>	30.18	
			<i>For Work In Restricted Working Space, Add</i>	16.46	
26 05 33	13-1141	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	227.31	31.44
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.57	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.44	
			<i>For Elevated Installation &gt;40', Add</i>	34.58	
			<i>For Work In Restricted Working Space, Add</i>	18.86	
26 05 33	13-1142	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	270.93	36.01
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.20	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.40	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.01	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.81	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	36.01	
			<i>For Elevated Installation &gt;40', Add</i>	39.61	
			<i>For Work In Restricted Working Space, Add</i>	21.61	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1143	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover .....	371.93	41.72
	For Elevated Installation >10' To 15', Add	8.35	
	For Elevated Installation >15' To 20', Add	16.69	
	For Elevated Installation >20' To 25', Add	20.86	
	For Elevated Installation >25' To 30', Add	29.21	
	For Elevated Installation >30' To 35', Add	33.38	
	For Elevated Installation >35' To 40', Add	41.73	
	For Elevated Installation >40', Add	45.90	
	For Work In Restricted Working Space, Add	25.04	
26 05 33 13-1144	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover .....	622.90	45.73
	For Elevated Installation >10' To 15', Add	9.15	
	For Elevated Installation >15' To 20', Add	18.29	
	For Elevated Installation >20' To 25', Add	22.86	
	For Elevated Installation >25' To 30', Add	32.01	
	For Elevated Installation >30' To 35', Add	36.58	
	For Elevated Installation >35' To 40', Add	45.73	
	For Elevated Installation >40', Add	50.30	
	For Work In Restricted Working Space, Add	27.44	
26 05 33 13-1145	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover .....	667.48	54.87
	For Elevated Installation >10' To 15', Add	10.97	
	For Elevated Installation >15' To 20', Add	21.95	
	For Elevated Installation >20' To 25', Add	27.44	
	For Elevated Installation >25' To 30', Add	38.41	
	For Elevated Installation >30' To 35', Add	43.90	
	For Elevated Installation >35' To 40', Add	54.87	
	For Elevated Installation >40', Add	60.36	
	For Work In Restricted Working Space, Add	32.92	
<b>26 05 33 13-1146</b>	<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover</b> <small>(26 05 33 13-0802)</small>		
26 05 33 13-1147	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover .....	258.64	27.44
	For Elevated Installation >10' To 15', Add	5.49	
	For Elevated Installation >15' To 20', Add	10.97	
	For Elevated Installation >20' To 25', Add	13.72	
	For Elevated Installation >25' To 30', Add	19.20	
	For Elevated Installation >30' To 35', Add	21.95	
	For Elevated Installation >35' To 40', Add	27.44	
	For Elevated Installation >40', Add	30.18	
	For Work In Restricted Working Space, Add	16.46	
26 05 33 13-1148	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover .....	285.29	31.44
	For Elevated Installation >10' To 15', Add	6.29	
	For Elevated Installation >15' To 20', Add	12.57	
	For Elevated Installation >20' To 25', Add	15.72	
	For Elevated Installation >25' To 30', Add	22.00	
	For Elevated Installation >30' To 35', Add	25.15	
	For Elevated Installation >35' To 40', Add	31.44	
	For Elevated Installation >40', Add	34.58	
	For Work In Restricted Working Space, Add	18.86	
26 05 33 13-1149	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover .....	308.63	36.01
	For Elevated Installation >10' To 15', Add	7.20	
	For Elevated Installation >15' To 20', Add	14.40	
	For Elevated Installation >20' To 25', Add	18.01	
	For Elevated Installation >25' To 30', Add	25.21	
	For Elevated Installation >30' To 35', Add	28.81	
	For Elevated Installation >35' To 40', Add	36.01	
	For Elevated Installation >40', Add	39.61	
	For Work In Restricted Working Space, Add	21.61	
26 05 33 13-1150	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover .....	793.48	41.72
	For Elevated Installation >10' To 15', Add	8.35	
	For Elevated Installation >15' To 20', Add	16.69	
	For Elevated Installation >20' To 25', Add	20.86	
	For Elevated Installation >25' To 30', Add	29.21	
	For Elevated Installation >30' To 35', Add	33.38	
	For Elevated Installation >35' To 40', Add	41.73	
	For Elevated Installation >40', Add	45.90	
	For Work In Restricted Working Space, Add	25.04	
<b>26 05 33 13-1151</b>	<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes</b> <small>(26 05 33 13-0802)</small>		
	Note: Excludes cover.		
26 05 33 13-1152	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....	119.57	27.44
	For Elevated Installation >10' To 15', Add	5.49	
	For Elevated Installation >15' To 20', Add	10.97	
	For Elevated Installation >20' To 25', Add	13.72	
	For Elevated Installation >25' To 30', Add	19.20	
	For Elevated Installation >30' To 35', Add	21.95	
	For Elevated Installation >35' To 40', Add	27.44	
	For Elevated Installation >40', Add	30.18	
	For Work In Restricted Working Space, Add	16.46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1153	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	131.07 6.29 12.57 15.72 22.00 25.15 31.44 34.58 18.86	31.44
26 05 33 13-1154	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	146.06 7.20 14.40 18.01 25.21 28.81 36.01 39.61 21.61	36.01
26 05 33 13-1155	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	133.71 5.49 10.97 13.72 19.20 21.95 27.44 30.18 16.46	27.44
26 05 33 13-1156	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	143.43 6.29 12.57 15.72 22.00 25.15 31.44 34.58 18.86	31.44
26 05 33 13-1157	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	163.25 7.20 14.40 18.01 25.21 28.81 36.01 39.61 21.61	36.01

**26 05 33 13-1158 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes** (26 05 33 13-0802)

Note: Excludes cover.

26 05 33 13-1159	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	126.25 5.49 10.97 13.72 19.20 21.95 27.44 30.18 16.46	27.44
26 05 33 13-1160	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	138.59 6.29 12.57 15.72 22.00 25.15 31.44 34.58 18.86	31.44
26 05 33 13-1161	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	151.27 7.20 14.40 18.01 25.21 28.81 36.01 39.61 21.61	36.01
26 05 33 13-1162	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	143.27 5.49 10.97 13.72 19.20 21.95 27.44 30.18 16.46	27.44

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1163	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box .....	155.78	31.44
	For Elevated Installation >10' To 15', Add	6.29	
	For Elevated Installation >15' To 20', Add	12.57	
	For Elevated Installation >20' To 25', Add	15.72	
	For Elevated Installation >25' To 30', Add	22.00	
	For Elevated Installation >30' To 35', Add	25.15	
	For Elevated Installation >35' To 40', Add	31.44	
	For Elevated Installation >40', Add	34.58	
	For Work In Restricted Working Space, Add	18.86	
26 05 33 13-1164	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box .....	175.96	36.01
	For Elevated Installation >10' To 15', Add	7.20	
	For Elevated Installation >15' To 20', Add	14.40	
	For Elevated Installation >20' To 25', Add	18.01	
	For Elevated Installation >25' To 30', Add	25.21	
	For Elevated Installation >30' To 35', Add	28.81	
	For Elevated Installation >35' To 40', Add	36.01	
	For Elevated Installation >40', Add	39.61	
	For Work In Restricted Working Space, Add	21.61	
<b>26 05 33 13-1165 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers (26 05 33 13-0802)</b>			
26 05 33 13-1166	EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover .....	46.89	3.43
	For Elevated Installation >10' To 15', Add	0.69	
	For Elevated Installation >15' To 20', Add	1.37	
	For Elevated Installation >20' To 25', Add	1.72	
	For Elevated Installation >25' To 30', Add	2.40	
	For Elevated Installation >30' To 35', Add	2.74	
	For Elevated Installation >35' To 40', Add	3.43	
	For Elevated Installation >40', Add	3.77	
	For Work In Restricted Working Space, Add	2.06	
26 05 33 13-1167	EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover .....	64.00	4.00
	For Elevated Installation >10' To 15', Add	0.80	
	For Elevated Installation >15' To 20', Add	1.60	
	For Elevated Installation >20' To 25', Add	2.00	
	For Elevated Installation >25' To 30', Add	2.80	
	For Elevated Installation >30' To 35', Add	3.20	
	For Elevated Installation >35' To 40', Add	4.01	
	For Elevated Installation >40', Add	4.41	
	For Work In Restricted Working Space, Add	2.40	
26 05 33 13-1168	EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover .....	60.34	4.00
	For Elevated Installation >10' To 15', Add	0.80	
	For Elevated Installation >15' To 20', Add	1.60	
	For Elevated Installation >20' To 25', Add	2.00	
	For Elevated Installation >25' To 30', Add	2.80	
	For Elevated Installation >30' To 35', Add	3.20	
	For Elevated Installation >35' To 40', Add	4.01	
	For Elevated Installation >40', Add	4.41	
	For Work In Restricted Working Space, Add	2.40	
26 05 33 13-1169	EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover .....	53.48	4.00
	For Elevated Installation >10' To 15', Add	0.80	
	For Elevated Installation >15' To 20', Add	1.60	
	For Elevated Installation >20' To 25', Add	2.00	
	For Elevated Installation >25' To 30', Add	2.80	
	For Elevated Installation >30' To 35', Add	3.20	
	For Elevated Installation >35' To 40', Add	4.01	
	For Elevated Installation >40', Add	4.41	
	For Work In Restricted Working Space, Add	2.40	
26 05 33 13-1170	EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover .....	265.52	5.72
	For Elevated Installation >10' To 15', Add	1.14	
	For Elevated Installation >15' To 20', Add	2.29	
	For Elevated Installation >20' To 25', Add	2.86	
	For Elevated Installation >25' To 30', Add	4.00	
	For Elevated Installation >30' To 35', Add	4.57	
	For Elevated Installation >35' To 40', Add	5.72	
	For Elevated Installation >40', Add	6.29	
	For Work In Restricted Working Space, Add	3.43	
26 05 33 13-1171	EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover .....	235.79	5.72
	For Elevated Installation >10' To 15', Add	1.14	
	For Elevated Installation >15' To 20', Add	2.29	
	For Elevated Installation >20' To 25', Add	2.86	
	For Elevated Installation >25' To 30', Add	4.00	
	For Elevated Installation >30' To 35', Add	4.57	
	For Elevated Installation >35' To 40', Add	5.72	
	For Elevated Installation >40', Add	6.29	
	For Work In Restricted Working Space, Add	3.43	
<b>26 05 33 13-1172 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies (26 05 33 13-0802)</b>			
Note: Includes covers.			
26 05 33 13-1173	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....	267.09	36.01
	For Elevated Installation >10' To 15', Add	7.20	
	For Elevated Installation >15' To 20', Add	14.40	
	For Elevated Installation >20' To 25', Add	18.01	
	For Elevated Installation >25' To 30', Add	25.21	
	For Elevated Installation >30' To 35', Add	28.81	
	For Elevated Installation >35' To 40', Add	36.01	
	For Elevated Installation >40', Add	39.61	
	For Work In Restricted Working Space, Add	21.61	

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1174	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....299.57 For Elevated Installation >10' To 15', Add 8.35 For Elevated Installation >15' To 20', Add 16.69 For Elevated Installation >20' To 25', Add 20.86 For Elevated Installation >25' To 30', Add 29.21 For Elevated Installation >30' To 35', Add 33.38 For Elevated Installation >35' To 40', Add 41.73 For Elevated Installation >40', Add 45.90 For Work In Restricted Working Space, Add 25.04	299.57	41.72
26 05 33 13-1175	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....417.71 For Elevated Installation >10' To 15', Add 9.15 For Elevated Installation >15' To 20', Add 18.29 For Elevated Installation >20' To 25', Add 22.86 For Elevated Installation >25' To 30', Add 32.01 For Elevated Installation >30' To 35', Add 36.58 For Elevated Installation >35' To 40', Add 45.73 For Elevated Installation >40', Add 50.30 For Work In Restricted Working Space, Add 27.44	417.71	45.73
26 05 33 13-1176	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....497.60 For Elevated Installation >10' To 15', Add 10.97 For Elevated Installation >15' To 20', Add 21.95 For Elevated Installation >20' To 25', Add 27.44 For Elevated Installation >25' To 30', Add 38.41 For Elevated Installation >30' To 35', Add 43.90 For Elevated Installation >35' To 40', Add 54.87 For Elevated Installation >40', Add 60.36 For Work In Restricted Working Space, Add 32.92	497.60	54.87
26 05 33 13-1177	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....719.59 For Elevated Installation >10' To 15', Add 15.43 For Elevated Installation >15' To 20', Add 30.86 For Elevated Installation >20' To 25', Add 38.58 For Elevated Installation >25' To 30', Add 54.01 For Elevated Installation >30' To 35', Add 61.73 For Elevated Installation >35' To 40', Add 77.16 For Elevated Installation >40', Add 84.88 For Work In Restricted Working Space, Add 46.30	719.59	77.16
26 05 33 13-1178	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....906.08 For Elevated Installation >10' To 15', Add 20.58 For Elevated Installation >15' To 20', Add 41.15 For Elevated Installation >20' To 25', Add 51.44 For Elevated Installation >25' To 30', Add 72.02 For Elevated Installation >30' To 35', Add 82.30 For Elevated Installation >35' To 40', Add 102.88 For Elevated Installation >40', Add 113.17 For Work In Restricted Working Space, Add 61.73	906.08	102.88
26 05 33 13-1179	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....1,335.77 For Elevated Installation >10' To 15', Add 25.72 For Elevated Installation >15' To 20', Add 51.44 For Elevated Installation >20' To 25', Add 64.30 For Elevated Installation >25' To 30', Add 90.02 For Elevated Installation >30' To 35', Add 102.88 For Elevated Installation >35' To 40', Add 128.60 For Elevated Installation >40', Add 141.46 For Work In Restricted Working Space, Add 77.16	1,335.77	128.60
26 05 33 13-1180	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....1,658.46 For Elevated Installation >10' To 15', Add 31.32 For Elevated Installation >15' To 20', Add 62.64 For Elevated Installation >20' To 25', Add 78.31 For Elevated Installation >25' To 30', Add 109.63 For Elevated Installation >30' To 35', Add 125.29 For Elevated Installation >35' To 40', Add 156.61 For Elevated Installation >40', Add 172.27 For Work In Restricted Working Space, Add 93.97	1,658.46	156.61
26 05 33 13-1181	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....267.09 For Elevated Installation >10' To 15', Add 7.20 For Elevated Installation >15' To 20', Add 14.40 For Elevated Installation >20' To 25', Add 18.01 For Elevated Installation >25' To 30', Add 25.21 For Elevated Installation >30' To 35', Add 28.81 For Elevated Installation >35' To 40', Add 36.01 For Elevated Installation >40', Add 39.61 For Work In Restricted Working Space, Add 21.61	267.09	36.01
26 05 33 13-1182	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....299.57 For Elevated Installation >10' To 15', Add 8.35 For Elevated Installation >15' To 20', Add 16.69 For Elevated Installation >20' To 25', Add 20.86 For Elevated Installation >25' To 30', Add 29.21 For Elevated Installation >30' To 35', Add 33.38 For Elevated Installation >35' To 40', Add 41.73 For Elevated Installation >40', Add 45.90 For Work In Restricted Working Space, Add 25.04	299.57	41.72
26 05 33 13-1183	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....416.51 For Elevated Installation >10' To 15', Add 9.15 For Elevated Installation >15' To 20', Add 18.29 For Elevated Installation >20' To 25', Add 22.86 For Elevated Installation >25' To 30', Add 32.01 For Elevated Installation >30' To 35', Add 36.58 For Elevated Installation >35' To 40', Add 45.73 For Elevated Installation >40', Add 50.30 For Work In Restricted Working Space, Add 27.44	416.51	45.73

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1184	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	485.50	54.87
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.97	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	27.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	38.41	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	43.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	54.87	
			<i>For Elevated Installation &gt;40', Add</i>	60.36	
			<i>For Work In Restricted Working Space, Add</i>	32.92	
26 05 33	13-1185	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	730.73	77.16
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.43	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	30.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	38.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	54.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	61.73	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	77.16	
			<i>For Elevated Installation &gt;40', Add</i>	84.88	
			<i>For Work In Restricted Working Space, Add</i>	46.30	
26 05 33	13-1186	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	956.08	102.88
			<i>For Elevated Installation &gt;10' To 15', Add</i>	20.58	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	41.15	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	51.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	72.02	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	82.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	102.88	
			<i>For Elevated Installation &gt;40', Add</i>	113.17	
			<i>For Work In Restricted Working Space, Add</i>	61.73	
26 05 33	13-1187	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	1,396.13	128.60
			<i>For Elevated Installation &gt;10' To 15', Add</i>	25.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	51.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	64.30	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	90.02	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	102.88	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	128.60	
			<i>For Elevated Installation &gt;40', Add</i>	141.46	
			<i>For Work In Restricted Working Space, Add</i>	77.16	
26 05 33	13-1188	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	1,696.04	156.61
			<i>For Elevated Installation &gt;10' To 15', Add</i>	31.32	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	62.64	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	78.31	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	109.63	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	125.29	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	156.61	
			<i>For Elevated Installation &gt;40', Add</i>	172.27	
			<i>For Work In Restricted Working Space, Add</i>	93.97	
26 05 33	13-1189	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	267.09	36.01
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.20	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.40	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.01	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.81	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	36.01	
			<i>For Elevated Installation &gt;40', Add</i>	39.61	
			<i>For Work In Restricted Working Space, Add</i>	21.61	
26 05 33	13-1190	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	299.57	41.72
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.35	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.73	
			<i>For Elevated Installation &gt;40', Add</i>	45.90	
			<i>For Work In Restricted Working Space, Add</i>	25.04	
26 05 33	13-1191	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	416.51	45.73
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.29	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	32.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.73	
			<i>For Elevated Installation &gt;40', Add</i>	50.30	
			<i>For Work In Restricted Working Space, Add</i>	27.44	
26 05 33	13-1192	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	485.50	54.87
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.97	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	27.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	38.41	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	43.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	54.87	
			<i>For Elevated Installation &gt;40', Add</i>	60.36	
			<i>For Work In Restricted Working Space, Add</i>	32.92	
26 05 33	13-1193	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	730.73	77.16
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.43	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	30.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	38.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	54.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	61.73	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	77.16	
			<i>For Elevated Installation &gt;40', Add</i>	84.88	
			<i>For Work In Restricted Working Space, Add</i>	46.30	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1194	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	956.08	102.88
				For Elevated Installation >10' To 15', Add	20.58	
				For Elevated Installation >15' To 20', Add	41.15	
				For Elevated Installation >20' To 25', Add	51.44	
				For Elevated Installation >25' To 30', Add	72.02	
				For Elevated Installation >30' To 35', Add	82.30	
				For Elevated Installation >35' To 40', Add	102.88	
				For Elevated Installation >40', Add	113.17	
				For Work In Restricted Working Space, Add	61.73	
26 05 33	13-1195	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....	1,396.13	128.60
				For Elevated Installation >10' To 15', Add	25.72	
				For Elevated Installation >15' To 20', Add	51.44	
				For Elevated Installation >20' To 25', Add	64.30	
				For Elevated Installation >25' To 30', Add	90.02	
				For Elevated Installation >30' To 35', Add	102.88	
				For Elevated Installation >35' To 40', Add	128.60	
				For Elevated Installation >40', Add	141.46	
				For Work In Restricted Working Space, Add	77.16	
26 05 33	13-1196	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	1,696.04	156.61
				For Elevated Installation >10' To 15', Add	31.32	
				For Elevated Installation >15' To 20', Add	62.64	
				For Elevated Installation >20' To 25', Add	78.31	
				For Elevated Installation >25' To 30', Add	109.63	
				For Elevated Installation >30' To 35', Add	125.29	
				For Elevated Installation >35' To 40', Add	156.61	
				For Elevated Installation >40', Add	172.27	
				For Work In Restricted Working Space, Add	93.97	
26 05 33	13-1197	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	267.09	36.01
				For Elevated Installation >10' To 15', Add	7.20	
				For Elevated Installation >15' To 20', Add	14.40	
				For Elevated Installation >20' To 25', Add	18.01	
				For Elevated Installation >25' To 30', Add	25.21	
				For Elevated Installation >30' To 35', Add	28.81	
				For Elevated Installation >35' To 40', Add	36.01	
				For Elevated Installation >40', Add	39.61	
				For Work In Restricted Working Space, Add	21.61	
26 05 33	13-1198	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	299.57	41.72
				For Elevated Installation >10' To 15', Add	8.35	
				For Elevated Installation >15' To 20', Add	16.69	
				For Elevated Installation >20' To 25', Add	20.86	
				For Elevated Installation >25' To 30', Add	29.21	
				For Elevated Installation >30' To 35', Add	33.38	
				For Elevated Installation >35' To 40', Add	41.73	
				For Elevated Installation >40', Add	45.90	
				For Work In Restricted Working Space, Add	25.04	
26 05 33	13-1199	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	417.71	45.73
				For Elevated Installation >10' To 15', Add	9.15	
				For Elevated Installation >15' To 20', Add	18.29	
				For Elevated Installation >20' To 25', Add	22.86	
				For Elevated Installation >25' To 30', Add	32.01	
				For Elevated Installation >30' To 35', Add	36.58	
				For Elevated Installation >35' To 40', Add	45.73	
				For Elevated Installation >40', Add	50.30	
				For Work In Restricted Working Space, Add	27.44	
26 05 33	13-1200	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	492.02	54.87
				For Elevated Installation >10' To 15', Add	10.97	
				For Elevated Installation >15' To 20', Add	21.95	
				For Elevated Installation >20' To 25', Add	27.44	
				For Elevated Installation >25' To 30', Add	38.41	
				For Elevated Installation >30' To 35', Add	43.90	
				For Elevated Installation >35' To 40', Add	54.87	
				For Elevated Installation >40', Add	60.36	
				For Work In Restricted Working Space, Add	32.92	
26 05 33	13-1201	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	719.59	77.16
				For Elevated Installation >10' To 15', Add	15.43	
				For Elevated Installation >15' To 20', Add	30.86	
				For Elevated Installation >20' To 25', Add	38.58	
				For Elevated Installation >25' To 30', Add	54.01	
				For Elevated Installation >30' To 35', Add	61.73	
				For Elevated Installation >35' To 40', Add	77.16	
				For Elevated Installation >40', Add	84.88	
				For Work In Restricted Working Space, Add	46.30	
26 05 33	13-1202	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	906.08	102.88
				For Elevated Installation >10' To 15', Add	20.58	
				For Elevated Installation >15' To 20', Add	41.15	
				For Elevated Installation >20' To 25', Add	51.44	
				For Elevated Installation >25' To 30', Add	72.02	
				For Elevated Installation >30' To 35', Add	82.30	
				For Elevated Installation >35' To 40', Add	102.88	
				For Elevated Installation >40', Add	113.17	
				For Work In Restricted Working Space, Add	61.73	
26 05 33	13-1203	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	1,335.77	128.60
				For Elevated Installation >10' To 15', Add	25.72	
				For Elevated Installation >15' To 20', Add	51.44	
				For Elevated Installation >20' To 25', Add	64.30	
				For Elevated Installation >25' To 30', Add	90.02	
				For Elevated Installation >30' To 35', Add	102.88	
				For Elevated Installation >35' To 40', Add	128.60	
				For Elevated Installation >40', Add	141.46	
				For Work In Restricted Working Space, Add	77.16	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1204	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body .....	1,674.11	156.61
	For Elevated Installation >10' To 15', Add	31.32	
	For Elevated Installation >15' To 20', Add	62.64	
	For Elevated Installation >20' To 25', Add	78.31	
	For Elevated Installation >25' To 30', Add	109.63	
	For Elevated Installation >30' To 35', Add	125.29	
	For Elevated Installation >35' To 40', Add	156.61	
	For Elevated Installation >40', Add	172.27	
	For Work In Restricted Working Space, Add	93.97	
<b>26 05 33 13-1205 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers (26 05 33 13-0802)</b>			
26 05 33 13-1206	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover .....	137.38	5.15
	For Elevated Installation >10' To 15', Add	1.03	
	For Elevated Installation >15' To 20', Add	2.06	
	For Elevated Installation >20' To 25', Add	2.57	
	For Elevated Installation >25' To 30', Add	3.60	
	For Elevated Installation >30' To 35', Add	4.12	
	For Elevated Installation >35' To 40', Add	5.15	
	For Elevated Installation >40', Add	5.66	
	For Work In Restricted Working Space, Add	3.09	
26 05 33 13-1207	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover .....	138.52	5.72
	For Elevated Installation >10' To 15', Add	1.14	
	For Elevated Installation >15' To 20', Add	2.29	
	For Elevated Installation >20' To 25', Add	2.86	
	For Elevated Installation >25' To 30', Add	4.00	
	For Elevated Installation >30' To 35', Add	4.57	
	For Elevated Installation >35' To 40', Add	5.72	
	For Elevated Installation >40', Add	6.29	
	For Work In Restricted Working Space, Add	3.43	
26 05 33 13-1208	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover .....	195.85	8.01
	For Elevated Installation >10' To 15', Add	1.60	
	For Elevated Installation >15' To 20', Add	3.20	
	For Elevated Installation >20' To 25', Add	4.00	
	For Elevated Installation >25' To 30', Add	5.60	
	For Elevated Installation >30' To 35', Add	6.40	
	For Elevated Installation >35' To 40', Add	8.00	
	For Elevated Installation >40', Add	8.80	
	For Work In Restricted Working Space, Add	4.80	
26 05 33 13-1209	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover .....	198.14	9.15
	For Elevated Installation >10' To 15', Add	1.83	
	For Elevated Installation >15' To 20', Add	3.66	
	For Elevated Installation >20' To 25', Add	4.57	
	For Elevated Installation >25' To 30', Add	6.40	
	For Elevated Installation >30' To 35', Add	7.32	
	For Elevated Installation >35' To 40', Add	9.15	
	For Elevated Installation >40', Add	10.06	
	For Work In Restricted Working Space, Add	5.49	
26 05 33 13-1210	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover .....	348.08	10.85
	For Elevated Installation >10' To 15', Add	2.17	
	For Elevated Installation >15' To 20', Add	4.34	
	For Elevated Installation >20' To 25', Add	5.43	
	For Elevated Installation >25' To 30', Add	7.60	
	For Elevated Installation >30' To 35', Add	8.69	
	For Elevated Installation >35' To 40', Add	10.86	
	For Elevated Installation >40', Add	11.95	
	For Work In Restricted Working Space, Add	6.52	
26 05 33 13-1211	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover .....	353.80	13.71
	For Elevated Installation >10' To 15', Add	2.74	
	For Elevated Installation >15' To 20', Add	5.49	
	For Elevated Installation >20' To 25', Add	6.86	
	For Elevated Installation >25' To 30', Add	9.60	
	For Elevated Installation >30' To 35', Add	10.98	
	For Elevated Installation >35' To 40', Add	13.72	
	For Elevated Installation >40', Add	15.09	
	For Work In Restricted Working Space, Add	8.23	
26 05 33 13-1212	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover .....	534.75	15.43
	For Elevated Installation >10' To 15', Add	3.09	
	For Elevated Installation >15' To 20', Add	6.17	
	For Elevated Installation >20' To 25', Add	7.72	
	For Elevated Installation >25' To 30', Add	10.80	
	For Elevated Installation >30' To 35', Add	12.35	
	For Elevated Installation >35' To 40', Add	15.44	
	For Elevated Installation >40', Add	16.98	
	For Work In Restricted Working Space, Add	9.26	
26 05 33 13-1213	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover .....	543.89	20.00
	For Elevated Installation >10' To 15', Add	4.00	
	For Elevated Installation >15' To 20', Add	8.00	
	For Elevated Installation >20' To 25', Add	10.00	
	For Elevated Installation >25' To 30', Add	14.00	
	For Elevated Installation >30' To 35', Add	16.00	
	For Elevated Installation >35' To 40', Add	20.01	
	For Elevated Installation >40', Add	22.01	
	For Work In Restricted Working Space, Add	12.00	



MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

26 05 33 13-1214	<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings</b> <small>(26 05 33 13-0802)</small>		
26 05 33 13-1215	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	234.63	14.29
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
	<i>For Elevated Installation &gt;40', Add</i>	15.72	
	<i>For Work In Restricted Working Space, Add</i>	8.57	
26 05 33 13-1216	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	276.91	17.72
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.54	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	7.09	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	8.86	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	12.40	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	14.17	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	17.72	
	<i>For Elevated Installation &gt;40', Add</i>	19.49	
	<i>For Work In Restricted Working Space, Add</i>	10.63	
26 05 33 13-1217	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	327.51	21.72
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.34	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	8.69	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	10.86	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	15.20	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	17.38	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	21.72	
	<i>For Elevated Installation &gt;40', Add</i>	23.89	
	<i>For Work In Restricted Working Space, Add</i>	13.03	
26 05 33 13-1218	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	404.05	25.15
	<i>For Elevated Installation &gt;10' To 15', Add</i>	5.03	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	10.06	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	12.58	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	17.61	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	20.12	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	25.15	
	<i>For Elevated Installation &gt;40', Add</i>	27.67	
	<i>For Work In Restricted Working Space, Add</i>	15.09	
26 05 33 13-1219	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	541.95	28.58
	<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
	<i>For Elevated Installation &gt;40', Add</i>	31.43	
	<i>For Work In Restricted Working Space, Add</i>	17.15	
26 05 33 13-1220	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	753.29	31.44
	<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	12.57	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	15.72	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	22.00	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	25.15	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	31.44	
	<i>For Elevated Installation &gt;40', Add</i>	34.58	
	<i>For Work In Restricted Working Space, Add</i>	18.86	
26 05 33 13-1221	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,077.79	39.44
	<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
	<i>For Elevated Installation &gt;40', Add</i>	43.38	
	<i>For Work In Restricted Working Space, Add</i>	23.66	
26 05 33 13-1222	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,338.47	53.72
	<i>For Elevated Installation &gt;10' To 15', Add</i>	10.75	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	21.49	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	26.86	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	37.61	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	42.98	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	53.73	
	<i>For Elevated Installation &gt;40', Add</i>	59.10	
	<i>For Work In Restricted Working Space, Add</i>	32.24	
26 05 33 13-1223	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,883.28	60.58
	<i>For Elevated Installation &gt;10' To 15', Add</i>	12.12	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	24.23	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	30.29	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	42.41	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	48.47	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	60.59	
	<i>For Elevated Installation &gt;40', Add</i>	66.64	
	<i>For Work In Restricted Working Space, Add</i>	36.35	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1224	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	2,167.28	78.87
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.78	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	31.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	39.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	55.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	63.10	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	78.88	
			<i>For Elevated Installation &gt;40', Add</i>	86.76	
			<i>For Work In Restricted Working Space, Add</i>	47.33	
26 05 33	13-1225		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper</b> <small>(26 05 33 13-0802)</small>		
26 05 33	13-1226	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	375.79	14.29
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
			<i>For Elevated Installation &gt;40', Add</i>	15.72	
			<i>For Work In Restricted Working Space, Add</i>	8.57	
26 05 33	13-1227	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	389.18	17.72
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.09	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.40	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.17	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.72	
			<i>For Elevated Installation &gt;40', Add</i>	19.49	
			<i>For Work In Restricted Working Space, Add</i>	10.63	
26 05 33	13-1228	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	436.46	21.72
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.34	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.72	
			<i>For Elevated Installation &gt;40', Add</i>	23.89	
			<i>For Work In Restricted Working Space, Add</i>	13.03	
26 05 33	13-1229	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	528.56	25.15
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.03	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.06	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.61	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	25.15	
			<i>For Elevated Installation &gt;40', Add</i>	27.67	
			<i>For Work In Restricted Working Space, Add</i>	15.09	
26 05 33	13-1230	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	641.35	28.58
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
			<i>For Elevated Installation &gt;40', Add</i>	31.43	
			<i>For Work In Restricted Working Space, Add</i>	17.15	
26 05 33	13-1231	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	821.72	31.44
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.57	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.44	
			<i>For Elevated Installation &gt;40', Add</i>	34.58	
			<i>For Work In Restricted Working Space, Add</i>	18.86	
26 05 33	13-1232	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,215.64	39.44
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
			<i>For Elevated Installation &gt;40', Add</i>	43.38	
			<i>For Work In Restricted Working Space, Add</i>	23.66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1233 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,522.68	53.72
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.75	
<i>For Elevated Installation &gt;15' To 20', Add</i>	21.49	
<i>For Elevated Installation &gt;20' To 25', Add</i>	26.86	
<i>For Elevated Installation &gt;25' To 30', Add</i>	37.61	
<i>For Elevated Installation &gt;30' To 35', Add</i>	42.98	
<i>For Elevated Installation &gt;35' To 40', Add</i>	53.73	
<i>For Elevated Installation &gt;40', Add</i>	59.10	
<i>For Work In Restricted Working Space, Add</i>	32.24	
26 05 33 13-1234 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,942.75	60.58
<i>For Elevated Installation &gt;10' To 15', Add</i>	12.12	
<i>For Elevated Installation &gt;15' To 20', Add</i>	24.23	
<i>For Elevated Installation &gt;20' To 25', Add</i>	30.29	
<i>For Elevated Installation &gt;25' To 30', Add</i>	42.41	
<i>For Elevated Installation &gt;30' To 35', Add</i>	48.47	
<i>For Elevated Installation &gt;35' To 40', Add</i>	60.59	
<i>For Elevated Installation &gt;40', Add</i>	66.64	
<i>For Work In Restricted Working Space, Add</i>	36.35	
26 05 33 13-1235 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	2,430.66	78.87
<i>For Elevated Installation &gt;10' To 15', Add</i>	15.78	
<i>For Elevated Installation &gt;15' To 20', Add</i>	31.55	
<i>For Elevated Installation &gt;20' To 25', Add</i>	39.44	
<i>For Elevated Installation &gt;25' To 30', Add</i>	55.21	
<i>For Elevated Installation &gt;30' To 35', Add</i>	63.10	
<i>For Elevated Installation &gt;35' To 40', Add</i>	78.88	
<i>For Elevated Installation &gt;40', Add</i>	86.76	
<i>For Work In Restricted Working Space, Add</i>	47.33	
<b>26 05 33 13-1236 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs <small>(26 05 33 13-0802)</small></b>		
26 05 33 13-1237 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	76.75	6.86
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.37	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.43	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.80	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.48	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.86	
<i>For Elevated Installation &gt;40', Add</i>	7.54	
<i>For Work In Restricted Working Space, Add</i>	4.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.11	
26 05 33 13-1238 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	82.84	8.58
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.43	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.29	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.86	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.57	
<i>For Elevated Installation &gt;40', Add</i>	9.43	
<i>For Work In Restricted Working Space, Add</i>	5.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.14	
26 05 33 13-1239 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	90.86	10.29
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.06	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.12	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.15	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.20	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.23	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.29	
<i>For Elevated Installation &gt;40', Add</i>	11.32	
<i>For Work In Restricted Working Space, Add</i>	6.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 05 33 13-1240 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	102.48	12.57
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.52	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.03	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.29	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.80	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.06	
<i>For Elevated Installation &gt;35' To 40', Add</i>	12.58	
<i>For Elevated Installation &gt;40', Add</i>	13.83	
<i>For Work In Restricted Working Space, Add</i>	7.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.55	
26 05 33 13-1241 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	138.72	14.29
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
<i>For Elevated Installation &gt;40', Add</i>	15.72	
<i>For Work In Restricted Working Space, Add</i>	8.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.57	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-1242	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	170.00	16.00
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.20	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.40	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.00	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	11.20	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	12.80	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	16.00	
		<i>For Elevated Installation &gt;40', Add</i>	17.60	
		<i>For Work In Restricted Working Space, Add</i>	9.60	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.60	
26 05 33 13-1243	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	244.33	20.00
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.00	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.00	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.00	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	14.00	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	16.00	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	20.01	
		<i>For Elevated Installation &gt;40', Add</i>	22.01	
		<i>For Work In Restricted Working Space, Add</i>	12.00	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.00	
26 05 33 13-1244	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	318.71	26.87
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.37	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.74	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	13.43	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	18.80	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	21.49	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	26.86	
		<i>For Elevated Installation &gt;40', Add</i>	29.55	
		<i>For Work In Restricted Working Space, Add</i>	16.12	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.12	
26 05 33 13-1245	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	408.29	30.30
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.06	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.12	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.15	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.20	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	24.23	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	30.29	
		<i>For Elevated Installation &gt;40', Add</i>	33.32	
		<i>For Work In Restricted Working Space, Add</i>	18.17	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.17	
26 05 33 13-1246	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	513.07	39.44
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
		<i>For Elevated Installation &gt;40', Add</i>	43.38	
		<i>For Work In Restricted Working Space, Add</i>	23.66	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.66	
26 05 33 13-1247	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	632.99	64.01
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.80	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	25.61	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	32.01	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	44.81	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	51.21	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	64.02	
		<i>For Elevated Installation &gt;40', Add</i>	70.42	
		<i>For Work In Restricted Working Space, Add</i>	38.41	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.41	
26 05 33 13-1248	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	954.63	96.59
		<i>For Elevated Installation &gt;10' To 15', Add</i>	19.32	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	38.64	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	48.30	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	67.62	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	77.28	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	96.60	
		<i>For Elevated Installation &gt;40', Add</i>	106.25	
		<i>For Work In Restricted Working Space, Add</i>	57.96	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.96	

**26 05 33 13-1249 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs** (26 05 33 13-0802)

26 05 33 13-1250	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	116.85	6.86
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.37	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.74	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.43	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.80	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.48	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	6.86	
		<i>For Elevated Installation &gt;40', Add</i>	7.54	
		<i>For Work In Restricted Working Space, Add</i>	4.11	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.11	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1251	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	123.23	8.58
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	3.43	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	4.29	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	6.00	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	6.86	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	8.57	
				<i>For Elevated Installation &gt;40', Add</i>	9.43	
				<i>For Work In Restricted Working Space, Add</i>	5.14	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.14	
26 05 33 13-1252	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	132.14	10.29
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.06	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	4.12	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	5.15	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	7.20	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	8.23	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	10.29	
				<i>For Elevated Installation &gt;40', Add</i>	11.32	
				<i>For Work In Restricted Working Space, Add</i>	6.17	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 05 33 13-1253	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	150.61	12.57
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.52	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	5.03	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	6.29	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	8.80	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	10.06	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	12.58	
				<i>For Elevated Installation &gt;40', Add</i>	13.83	
				<i>For Work In Restricted Working Space, Add</i>	7.55	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.55	
26 05 33 13-1254	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	161.45	14.29
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
				<i>For Elevated Installation &gt;40', Add</i>	15.72	
				<i>For Work In Restricted Working Space, Add</i>	8.57	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.57	
26 05 33 13-1255	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	182.65	16.00
				<i>For Elevated Installation &gt;10' To 15', Add</i>	3.20	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	6.40	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	8.00	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	11.20	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	12.80	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	16.00	
				<i>For Elevated Installation &gt;40', Add</i>	17.60	
				<i>For Work In Restricted Working Space, Add</i>	9.60	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.60	
26 05 33 13-1256	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	279.86	20.00
				<i>For Elevated Installation &gt;10' To 15', Add</i>	4.00	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	8.00	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	10.00	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	14.00	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	16.00	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	20.01	
				<i>For Elevated Installation &gt;40', Add</i>	22.01	
				<i>For Work In Restricted Working Space, Add</i>	12.00	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.00	
26 05 33 13-1257	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	334.03	26.87
				<i>For Elevated Installation &gt;10' To 15', Add</i>	5.37	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	10.74	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	13.43	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	18.80	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	21.49	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	26.86	
				<i>For Elevated Installation &gt;40', Add</i>	29.55	
				<i>For Work In Restricted Working Space, Add</i>	16.12	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.12	
26 05 33 13-1258	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	411.60	30.30
				<i>For Elevated Installation &gt;10' To 15', Add</i>	6.06	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	12.12	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	15.15	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	21.20	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	24.23	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	30.29	
				<i>For Elevated Installation &gt;40', Add</i>	33.32	
				<i>For Work In Restricted Working Space, Add</i>	18.17	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.17	
26 05 33 13-1259	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	534.43	39.44
				<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
				<i>For Elevated Installation &gt;40', Add</i>	43.38	
				<i>For Work In Restricted Working Space, Add</i>	23.66	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.66	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1260	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	830.50	64.01
			<i>For Elevated Installation &gt;10' To 15', Add</i>	12.80	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	25.61	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	32.01	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	44.81	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	51.21	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	64.02	
			<i>For Elevated Installation &gt;40', Add</i>	70.42	
			<i>For Work In Restricted Working Space, Add</i>	38.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.41	
26 05 33 13-1261	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	1,361.67	96.59
			<i>For Elevated Installation &gt;10' To 15', Add</i>	19.32	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	38.64	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	48.30	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	67.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	77.28	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	96.60	
			<i>For Elevated Installation &gt;40', Add</i>	106.25	
			<i>For Work In Restricted Working Space, Add</i>	57.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.96	
26 05 33 13-1262			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs</b> <small>(26 05 33 13-0802)</small>		
26 05 33 13-1263	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	125.77	6.86
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.37	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.43	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.80	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.48	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.86	
			<i>For Elevated Installation &gt;40', Add</i>	7.54	
			<i>For Work In Restricted Working Space, Add</i>	4.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.11	
26 05 33 13-1264	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	131.69	8.58
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.57	
			<i>For Elevated Installation &gt;40', Add</i>	9.43	
			<i>For Work In Restricted Working Space, Add</i>	5.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.14	
26 05 33 13-1265	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	140.98	10.29
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.12	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.15	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.23	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.29	
			<i>For Elevated Installation &gt;40', Add</i>	11.32	
			<i>For Work In Restricted Working Space, Add</i>	6.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 05 33 13-1266	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	177.46	12.57
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.03	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.80	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.58	
			<i>For Elevated Installation &gt;40', Add</i>	13.83	
			<i>For Work In Restricted Working Space, Add</i>	7.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.55	
26 05 33 13-1267	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	193.86	14.29
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
			<i>For Elevated Installation &gt;40', Add</i>	15.72	
			<i>For Work In Restricted Working Space, Add</i>	8.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.57	
26 05 33 13-1268	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	205.02	16.00
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.20	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.40	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.00	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.00	
			<i>For Elevated Installation &gt;40', Add</i>	17.60	
			<i>For Work In Restricted Working Space, Add</i>	9.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.60	
26 05 33 13-1269			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions</b> <small>(26 05 33 13-0802)</small>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1270 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	90.45	14.29
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
<i>For Elevated Installation &gt;40', Add</i>	15.72	
<i>For Work In Restricted Working Space, Add</i>	8.57	
26 05 33 13-1271 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	98.42	17.72
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.54	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.09	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.86	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.40	
<i>For Elevated Installation &gt;30' To 35', Add</i>	14.17	
<i>For Elevated Installation &gt;35' To 40', Add</i>	17.72	
<i>For Elevated Installation &gt;40', Add</i>	19.49	
<i>For Work In Restricted Working Space, Add</i>	10.63	
26 05 33 13-1272 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	127.89	21.72
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.34	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.69	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.86	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.20	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.38	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.72	
<i>For Elevated Installation &gt;40', Add</i>	23.89	
<i>For Work In Restricted Working Space, Add</i>	13.03	
26 05 33 13-1273 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	186.21	25.15
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.03	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.06	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.58	
<i>For Elevated Installation &gt;25' To 30', Add</i>	17.61	
<i>For Elevated Installation &gt;30' To 35', Add</i>	20.12	
<i>For Elevated Installation &gt;35' To 40', Add</i>	25.15	
<i>For Elevated Installation &gt;40', Add</i>	27.67	
<i>For Work In Restricted Working Space, Add</i>	15.09	
26 05 33 13-1274 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	221.08	28.58
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
<i>For Elevated Installation &gt;40', Add</i>	31.43	
<i>For Work In Restricted Working Space, Add</i>	17.15	
26 05 33 13-1275 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	281.34	31.44
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.57	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.72	
<i>For Elevated Installation &gt;25' To 30', Add</i>	22.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	25.15	
<i>For Elevated Installation &gt;35' To 40', Add</i>	31.44	
<i>For Elevated Installation &gt;40', Add</i>	34.58	
<i>For Work In Restricted Working Space, Add</i>	18.86	
26 05 33 13-1276 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	374.64	39.44
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
<i>For Elevated Installation &gt;40', Add</i>	43.38	
<i>For Work In Restricted Working Space, Add</i>	23.66	
26 05 33 13-1277 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	486.63	39.44
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
<i>For Elevated Installation &gt;40', Add</i>	43.38	
<i>For Work In Restricted Working Space, Add</i>	23.66	
26 05 33 13-1278 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	626.97	60.58
<i>For Elevated Installation &gt;10' To 15', Add</i>	12.12	
<i>For Elevated Installation &gt;15' To 20', Add</i>	24.23	
<i>For Elevated Installation &gt;20' To 25', Add</i>	30.29	
<i>For Elevated Installation &gt;25' To 30', Add</i>	42.41	
<i>For Elevated Installation &gt;30' To 35', Add</i>	48.47	
<i>For Elevated Installation &gt;35' To 40', Add</i>	60.59	
<i>For Elevated Installation &gt;40', Add</i>	66.64	
<i>For Work In Restricted Working Space, Add</i>	36.35	
26 05 33 13-1279 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	807.20	78.87
<i>For Elevated Installation &gt;10' To 15', Add</i>	15.78	
<i>For Elevated Installation &gt;15' To 20', Add</i>	31.55	
<i>For Elevated Installation &gt;20' To 25', Add</i>	39.44	
<i>For Elevated Installation &gt;25' To 30', Add</i>	55.21	
<i>For Elevated Installation &gt;30' To 35', Add</i>	63.10	
<i>For Elevated Installation &gt;35' To 40', Add</i>	78.88	
<i>For Elevated Installation &gt;40', Add</i>	86.76	
<i>For Work In Restricted Working Space, Add</i>	47.33	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1280	EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union.....	1,471.11	128.60
	<i>For Elevated Installation &gt;10' To 15', Add</i>	25.72	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	51.44	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	64.30	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	90.02	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	102.88	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	128.60	
	<i>For Elevated Installation &gt;40', Add</i>	141.46	
	<i>For Work In Restricted Working Space, Add</i>	77.16	
26 05 33 13-1281	EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union.....	1,832.13	193.19
	<i>For Elevated Installation &gt;10' To 15', Add</i>	38.64	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	77.28	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	96.60	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	135.23	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	154.55	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	193.19	
	<i>For Elevated Installation &gt;40', Add</i>	212.51	
	<i>For Work In Restricted Working Space, Add</i>	115.91	
<b>26 05 33 13-1282 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions <small>(26 05 33 13-0802)</small></b>			
26 05 33 13-1283	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	92.53	14.29
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
	<i>For Elevated Installation &gt;40', Add</i>	15.72	
	<i>For Work In Restricted Working Space, Add</i>	8.57	
26 05 33 13-1284	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	106.38	17.72
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.54	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	7.09	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	8.86	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	12.40	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	14.17	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	17.72	
	<i>For Elevated Installation &gt;40', Add</i>	19.49	
	<i>For Work In Restricted Working Space, Add</i>	10.63	
26 05 33 13-1285	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	132.13	21.72
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.34	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	8.69	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	10.86	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	15.20	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	17.38	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	21.72	
	<i>For Elevated Installation &gt;40', Add</i>	23.89	
	<i>For Work In Restricted Working Space, Add</i>	13.03	
26 05 33 13-1286	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	194.00	25.15
	<i>For Elevated Installation &gt;10' To 15', Add</i>	5.03	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	10.06	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	12.58	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	17.61	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	20.12	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	25.15	
	<i>For Elevated Installation &gt;40', Add</i>	27.67	
	<i>For Work In Restricted Working Space, Add</i>	15.09	
26 05 33 13-1287	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	231.89	28.58
	<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	20.00	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	22.86	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	28.58	
	<i>For Elevated Installation &gt;40', Add</i>	31.43	
	<i>For Work In Restricted Working Space, Add</i>	17.15	
26 05 33 13-1288	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	304.68	31.44
	<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	12.57	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	15.72	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	22.00	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	25.15	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	31.44	
	<i>For Elevated Installation &gt;40', Add</i>	34.58	
	<i>For Work In Restricted Working Space, Add</i>	18.86	
26 05 33 13-1289	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	424.59	39.44
	<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
	<i>For Elevated Installation &gt;40', Add</i>	43.38	
	<i>For Work In Restricted Working Space, Add</i>	23.66	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1290	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	537.42	39.44
			For Elevated Installation >10' To 15', Add	7.89	
			For Elevated Installation >15' To 20', Add	15.77	
			For Elevated Installation >20' To 25', Add	19.72	
			For Elevated Installation >25' To 30', Add	27.60	
			For Elevated Installation >30' To 35', Add	31.55	
			For Elevated Installation >35' To 40', Add	39.44	
			For Elevated Installation >40', Add	43.38	
			For Work In Restricted Working Space, Add	23.66	
26 05 33 13-1291	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	718.80	60.58
			For Elevated Installation >10' To 15', Add	12.12	
			For Elevated Installation >15' To 20', Add	24.23	
			For Elevated Installation >20' To 25', Add	30.29	
			For Elevated Installation >25' To 30', Add	42.41	
			For Elevated Installation >30' To 35', Add	48.47	
			For Elevated Installation >35' To 40', Add	60.59	
			For Elevated Installation >40', Add	66.64	
			For Work In Restricted Working Space, Add	36.35	
26 05 33 13-1292	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	898.70	78.87
			For Elevated Installation >10' To 15', Add	15.78	
			For Elevated Installation >15' To 20', Add	31.55	
			For Elevated Installation >20' To 25', Add	39.44	
			For Elevated Installation >25' To 30', Add	55.21	
			For Elevated Installation >30' To 35', Add	63.10	
			For Elevated Installation >35' To 40', Add	78.88	
			For Elevated Installation >40', Add	86.76	
			For Work In Restricted Working Space, Add	47.33	
26 05 33 13-1293	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	1,638.83	128.60
			For Elevated Installation >10' To 15', Add	25.72	
			For Elevated Installation >15' To 20', Add	51.44	
			For Elevated Installation >20' To 25', Add	64.30	
			For Elevated Installation >25' To 30', Add	90.02	
			For Elevated Installation >30' To 35', Add	102.88	
			For Elevated Installation >35' To 40', Add	128.60	
			For Elevated Installation >40', Add	141.46	
			For Work In Restricted Working Space, Add	77.16	
26 05 33 13-1294	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	2,102.94	193.19
			For Elevated Installation >10' To 15', Add	38.64	
			For Elevated Installation >15' To 20', Add	77.28	
			For Elevated Installation >20' To 25', Add	96.60	
			For Elevated Installation >25' To 30', Add	135.23	
			For Elevated Installation >30' To 35', Add	154.55	
			For Elevated Installation >35' To 40', Add	193.19	
			For Elevated Installation >40', Add	212.51	
			For Work In Restricted Working Space, Add	115.91	
<b>26 05 33 13-1295 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings <small>(26 05 33 13-0802)</small></b>					
26 05 33 13-1296	EA		3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	1,638.83	4.57
			For Elevated Installation >10' To 15', Add	0.91	
			For Elevated Installation >15' To 20', Add	1.83	
			For Elevated Installation >20' To 25', Add	2.29	
			For Elevated Installation >25' To 30', Add	3.20	
			For Elevated Installation >30' To 35', Add	3.66	
			For Elevated Installation >35' To 40', Add	4.57	
			For Elevated Installation >40', Add	5.03	
			For Work In Restricted Working Space, Add	2.74	
26 05 33 13-1297	EA		1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	55.81	5.72
			For Elevated Installation >10' To 15', Add	1.14	
			For Elevated Installation >15' To 20', Add	2.29	
			For Elevated Installation >20' To 25', Add	2.86	
			For Elevated Installation >25' To 30', Add	4.00	
			For Elevated Installation >30' To 35', Add	4.58	
			For Elevated Installation >35' To 40', Add	5.72	
			For Elevated Installation >40', Add	6.29	
			For Work In Restricted Working Space, Add	3.43	
26 05 33 13-1298	EA		1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	63.62	5.72
			For Elevated Installation >10' To 15', Add	1.14	
			For Elevated Installation >15' To 20', Add	2.29	
			For Elevated Installation >20' To 25', Add	2.86	
			For Elevated Installation >25' To 30', Add	4.00	
			For Elevated Installation >30' To 35', Add	4.58	
			For Elevated Installation >35' To 40', Add	5.72	
			For Elevated Installation >40', Add	6.29	
			For Work In Restricted Working Space, Add	3.43	
26 05 33 13-1299	EA		1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	78.78	6.29
			For Elevated Installation >10' To 15', Add	1.26	
			For Elevated Installation >15' To 20', Add	2.51	
			For Elevated Installation >20' To 25', Add	3.14	
			For Elevated Installation >25' To 30', Add	4.40	
			For Elevated Installation >30' To 35', Add	5.03	
			For Elevated Installation >35' To 40', Add	6.29	
			For Elevated Installation >40', Add	6.91	
			For Work In Restricted Working Space, Add	3.77	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1300	EA 1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	83.28	6.29
	For Elevated Installation >10' To 15', Add	1.26	
	For Elevated Installation >15' To 20', Add	2.51	
	For Elevated Installation >20' To 25', Add	3.14	
	For Elevated Installation >25' To 30', Add	4.40	
	For Elevated Installation >30' To 35', Add	5.03	
	For Elevated Installation >35' To 40', Add	6.29	
	For Elevated Installation >40', Add	6.91	
	For Work In Restricted Working Space, Add	3.77	
26 05 33 13-1301	EA 1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	71.12	7.43
	For Elevated Installation >10' To 15', Add	1.49	
	For Elevated Installation >15' To 20', Add	2.97	
	For Elevated Installation >20' To 25', Add	3.72	
	For Elevated Installation >25' To 30', Add	5.20	
	For Elevated Installation >30' To 35', Add	5.94	
	For Elevated Installation >35' To 40', Add	7.43	
	For Elevated Installation >40', Add	8.17	
	For Work In Restricted Working Space, Add	4.46	
26 05 33 13-1302	EA 1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	81.19	7.43
	For Elevated Installation >10' To 15', Add	1.49	
	For Elevated Installation >15' To 20', Add	2.97	
	For Elevated Installation >20' To 25', Add	3.72	
	For Elevated Installation >25' To 30', Add	5.20	
	For Elevated Installation >30' To 35', Add	5.94	
	For Elevated Installation >35' To 40', Add	7.43	
	For Elevated Installation >40', Add	8.17	
	For Work In Restricted Working Space, Add	4.46	
26 05 33 13-1303	EA 1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	126.47	7.43
	For Elevated Installation >10' To 15', Add	1.49	
	For Elevated Installation >15' To 20', Add	2.97	
	For Elevated Installation >20' To 25', Add	3.72	
	For Elevated Installation >25' To 30', Add	5.20	
	For Elevated Installation >30' To 35', Add	5.94	
	For Elevated Installation >35' To 40', Add	7.43	
	For Elevated Installation >40', Add	8.17	
	For Work In Restricted Working Space, Add	4.46	
26 05 33 13-1304	EA 2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	140.52	8.58
	For Elevated Installation >10' To 15', Add	1.71	
	For Elevated Installation >15' To 20', Add	3.43	
	For Elevated Installation >20' To 25', Add	4.29	
	For Elevated Installation >25' To 30', Add	6.00	
	For Elevated Installation >30' To 35', Add	6.86	
	For Elevated Installation >35' To 40', Add	8.57	
	For Elevated Installation >40', Add	9.43	
	For Work In Restricted Working Space, Add	5.14	
26 05 33 13-1305	EA 2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	136.61	8.58
	For Elevated Installation >10' To 15', Add	1.71	
	For Elevated Installation >15' To 20', Add	3.43	
	For Elevated Installation >20' To 25', Add	4.29	
	For Elevated Installation >25' To 30', Add	6.00	
	For Elevated Installation >30' To 35', Add	6.86	
	For Elevated Installation >35' To 40', Add	8.57	
	For Elevated Installation >40', Add	9.43	
	For Work In Restricted Working Space, Add	5.14	
26 05 33 13-1306	EA 2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	143.87	8.58
	For Elevated Installation >10' To 15', Add	1.71	
	For Elevated Installation >15' To 20', Add	3.43	
	For Elevated Installation >20' To 25', Add	4.29	
	For Elevated Installation >25' To 30', Add	6.00	
	For Elevated Installation >30' To 35', Add	6.86	
	For Elevated Installation >35' To 40', Add	8.57	
	For Elevated Installation >40', Add	9.43	
	For Work In Restricted Working Space, Add	5.14	
26 05 33 13-1307	EA 2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	162.14	8.58
	For Elevated Installation >10' To 15', Add	1.71	
	For Elevated Installation >15' To 20', Add	3.43	
	For Elevated Installation >20' To 25', Add	4.29	
	For Elevated Installation >25' To 30', Add	6.00	
	For Elevated Installation >30' To 35', Add	6.86	
	For Elevated Installation >35' To 40', Add	8.57	
	For Elevated Installation >40', Add	9.43	
	For Work In Restricted Working Space, Add	5.14	
26 05 33 13-1308	EA 2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	160.66	10.29
	For Elevated Installation >10' To 15', Add	2.06	
	For Elevated Installation >15' To 20', Add	4.12	
	For Elevated Installation >20' To 25', Add	5.15	
	For Elevated Installation >25' To 30', Add	7.20	
	For Elevated Installation >30' To 35', Add	8.23	
	For Elevated Installation >35' To 40', Add	10.29	
	For Elevated Installation >40', Add	11.32	
	For Work In Restricted Working Space, Add	6.17	
26 05 33 13-1309	EA 3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	204.62	14.29
	For Elevated Installation >10' To 15', Add	2.86	
	For Elevated Installation >15' To 20', Add	5.72	
	For Elevated Installation >20' To 25', Add	7.15	
	For Elevated Installation >25' To 30', Add	10.00	
	For Elevated Installation >30' To 35', Add	11.43	
	For Elevated Installation >35' To 40', Add	14.29	
	For Elevated Installation >40', Add	15.72	
	For Work In Restricted Working Space, Add	8.57	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1310	EA			3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	302.22	16.57
				<i>For Elevated Installation &gt;10' To 15', Add</i>	3.32	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	6.63	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	8.29	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	11.60	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	13.26	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	16.58	
				<i>For Elevated Installation &gt;40', Add</i>	18.23	
				<i>For Work In Restricted Working Space, Add</i>	9.95	
26 05 33 13-1311	EA			4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	404.21	22.86
				<i>For Elevated Installation &gt;10' To 15', Add</i>	4.57	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	9.15	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	11.43	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	16.01	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	18.29	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	22.87	
				<i>For Elevated Installation &gt;40', Add</i>	25.15	
				<i>For Work In Restricted Working Space, Add</i>	13.72	
26 05 33 13-1312	EA			5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	504.86	31.44
				<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	12.57	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	15.72	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	22.00	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	25.15	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	31.44	
				<i>For Elevated Installation &gt;40', Add</i>	34.58	
				<i>For Work In Restricted Working Space, Add</i>	18.86	
<b>26 05 33 13-1313 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples</b> <small>(26 05 33 13-0802)</small>						
26 05 33 13-1314	EA			1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	31.26	6.86
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.37	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	2.74	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	3.43	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	4.80	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	5.48	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	6.86	
				<i>For Elevated Installation &gt;40', Add</i>	7.54	
				<i>For Work In Restricted Working Space, Add</i>	4.11	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.11	
26 05 33 13-1315	EA			3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	35.02	8.58
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	3.43	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	4.29	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	6.00	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	6.86	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	8.57	
				<i>For Elevated Installation &gt;40', Add</i>	9.43	
				<i>For Work In Restricted Working Space, Add</i>	5.14	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.14	
26 05 33 13-1316	EA			1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	40.58	10.85
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.17	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	4.34	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	5.43	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	7.60	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	8.69	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	10.86	
				<i>For Elevated Installation &gt;40', Add</i>	11.95	
				<i>For Work In Restricted Working Space, Add</i>	6.52	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.52	
26 05 33 13-1317	EA			1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	48.35	12.57
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.52	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	5.03	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	6.29	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	8.80	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	10.06	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	12.58	
				<i>For Elevated Installation &gt;40', Add</i>	13.83	
				<i>For Work In Restricted Working Space, Add</i>	7.55	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.55	
26 05 33 13-1318	EA			1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	52.55	14.29
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
				<i>For Elevated Installation &gt;40', Add</i>	15.72	
				<i>For Work In Restricted Working Space, Add</i>	8.57	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.57	

## 26 Electrical

## 26 05 Common Work Results for Electrical

## 26 05 33 Raceway and Boxes for Electrical Systems

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1319	EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	34.66	7.43
	For Elevated Installation >10' To 15', Add	1.49	
	For Elevated Installation >15' To 20', Add	2.97	
	For Elevated Installation >20' To 25', Add	3.72	
	For Elevated Installation >25' To 30', Add	5.20	
	For Elevated Installation >30' To 35', Add	5.94	
	For Elevated Installation >35' To 40', Add	7.43	
	For Elevated Installation >40', Add	8.17	
	For Work In Restricted Working Space, Add	4.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-1320	EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	37.42	8.58
	For Elevated Installation >10' To 15', Add	1.71	
	For Elevated Installation >15' To 20', Add	3.43	
	For Elevated Installation >20' To 25', Add	4.29	
	For Elevated Installation >25' To 30', Add	6.00	
	For Elevated Installation >30' To 35', Add	6.86	
	For Elevated Installation >35' To 40', Add	8.57	
	For Elevated Installation >40', Add	9.43	
	For Work In Restricted Working Space, Add	5.14	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.14	
26 05 33 13-1321	EA 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	43.01	10.85
	For Elevated Installation >10' To 15', Add	2.17	
	For Elevated Installation >15' To 20', Add	4.34	
	For Elevated Installation >20' To 25', Add	5.43	
	For Elevated Installation >25' To 30', Add	7.60	
	For Elevated Installation >30' To 35', Add	8.69	
	For Elevated Installation >35' To 40', Add	10.86	
	For Elevated Installation >40', Add	11.95	
	For Work In Restricted Working Space, Add	6.52	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.52	
26 05 33 13-1322	EA 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	50.92	12.57
	For Elevated Installation >10' To 15', Add	2.52	
	For Elevated Installation >15' To 20', Add	5.03	
	For Elevated Installation >20' To 25', Add	6.29	
	For Elevated Installation >25' To 30', Add	8.80	
	For Elevated Installation >30' To 35', Add	10.06	
	For Elevated Installation >35' To 40', Add	12.58	
	For Elevated Installation >40', Add	13.83	
	For Work In Restricted Working Space, Add	7.55	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.55	
26 05 33 13-1323	EA 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	55.31	14.29
	For Elevated Installation >10' To 15', Add	2.86	
	For Elevated Installation >15' To 20', Add	5.72	
	For Elevated Installation >20' To 25', Add	7.15	
	For Elevated Installation >25' To 30', Add	10.00	
	For Elevated Installation >30' To 35', Add	11.43	
	For Elevated Installation >35' To 40', Add	14.29	
	For Elevated Installation >40', Add	15.72	
	For Work In Restricted Working Space, Add	8.57	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.57	
26 05 33 13-1324	EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	59.93	16.00
	For Elevated Installation >10' To 15', Add	3.20	
	For Elevated Installation >15' To 20', Add	6.40	
	For Elevated Installation >20' To 25', Add	8.00	
	For Elevated Installation >25' To 30', Add	11.20	
	For Elevated Installation >30' To 35', Add	12.80	
	For Elevated Installation >35' To 40', Add	16.00	
	For Elevated Installation >40', Add	17.60	
	For Work In Restricted Working Space, Add	9.60	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.60	
26 05 33 13-1325	EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	34.83	7.43
	For Elevated Installation >10' To 15', Add	1.49	
	For Elevated Installation >15' To 20', Add	2.97	
	For Elevated Installation >20' To 25', Add	3.72	
	For Elevated Installation >25' To 30', Add	5.20	
	For Elevated Installation >30' To 35', Add	5.94	
	For Elevated Installation >35' To 40', Add	7.43	
	For Elevated Installation >40', Add	8.17	
	For Work In Restricted Working Space, Add	4.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-1326	EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	37.59	8.58
	For Elevated Installation >10' To 15', Add	1.71	
	For Elevated Installation >15' To 20', Add	3.43	
	For Elevated Installation >20' To 25', Add	4.29	
	For Elevated Installation >25' To 30', Add	6.00	
	For Elevated Installation >30' To 35', Add	6.86	
	For Elevated Installation >35' To 40', Add	8.57	
	For Elevated Installation >40', Add	9.43	
	For Work In Restricted Working Space, Add	5.14	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.14	
26 05 33 13-1327	EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	43.32	10.85
	For Elevated Installation >10' To 15', Add	2.17	
	For Elevated Installation >15' To 20', Add	4.34	
	For Elevated Installation >20' To 25', Add	5.43	
	For Elevated Installation >25' To 30', Add	7.60	
	For Elevated Installation >30' To 35', Add	8.69	
	For Elevated Installation >35' To 40', Add	10.86	
	For Elevated Installation >40', Add	11.95	
	For Work In Restricted Working Space, Add	6.52	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1328	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....51.25	12.57	
			For Elevated Installation >10' To 15', Add	2.52	
			For Elevated Installation >15' To 20', Add	5.03	
			For Elevated Installation >20' To 25', Add	6.29	
			For Elevated Installation >25' To 30', Add	8.80	
			For Elevated Installation >30' To 35', Add	10.06	
			For Elevated Installation >35' To 40', Add	12.58	
			For Elevated Installation >40', Add	13.83	
			For Work In Restricted Working Space, Add	7.55	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.55	
26 05 33	13-1329	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....55.63	14.29	
			For Elevated Installation >10' To 15', Add	2.86	
			For Elevated Installation >15' To 20', Add	5.71	
			For Elevated Installation >20' To 25', Add	7.14	
			For Elevated Installation >25' To 30', Add	10.00	
			For Elevated Installation >30' To 35', Add	11.43	
			For Elevated Installation >35' To 40', Add	14.29	
			For Elevated Installation >40', Add	15.71	
			For Work In Restricted Working Space, Add	8.57	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.57	
26 05 33	13-1330	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....60.79	16.00	
			For Elevated Installation >10' To 15', Add	3.20	
			For Elevated Installation >15' To 20', Add	6.40	
			For Elevated Installation >20' To 25', Add	8.00	
			For Elevated Installation >25' To 30', Add	11.20	
			For Elevated Installation >30' To 35', Add	12.80	
			For Elevated Installation >35' To 40', Add	16.00	
			For Elevated Installation >40', Add	17.60	
			For Work In Restricted Working Space, Add	9.60	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.60	
26 05 33	13-1331	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....37.10	7.43	
			For Elevated Installation >10' To 15', Add	1.49	
			For Elevated Installation >15' To 20', Add	2.97	
			For Elevated Installation >20' To 25', Add	3.72	
			For Elevated Installation >25' To 30', Add	5.20	
			For Elevated Installation >30' To 35', Add	5.94	
			For Elevated Installation >35' To 40', Add	7.43	
			For Elevated Installation >40', Add	8.17	
			For Work In Restricted Working Space, Add	4.46	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33	13-1332	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....39.86	8.58	
			For Elevated Installation >10' To 15', Add	1.71	
			For Elevated Installation >15' To 20', Add	3.43	
			For Elevated Installation >20' To 25', Add	4.29	
			For Elevated Installation >25' To 30', Add	6.00	
			For Elevated Installation >30' To 35', Add	6.86	
			For Elevated Installation >35' To 40', Add	8.57	
			For Elevated Installation >40', Add	9.43	
			For Work In Restricted Working Space, Add	5.14	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.14	
26 05 33	13-1333	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....45.76	10.85	
			For Elevated Installation >10' To 15', Add	2.17	
			For Elevated Installation >15' To 20', Add	4.34	
			For Elevated Installation >20' To 25', Add	5.43	
			For Elevated Installation >25' To 30', Add	7.60	
			For Elevated Installation >30' To 35', Add	8.69	
			For Elevated Installation >35' To 40', Add	10.86	
			For Elevated Installation >40', Add	11.95	
			For Work In Restricted Working Space, Add	6.52	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.52	
26 05 33	13-1334	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....52.64	12.57	
			For Elevated Installation >10' To 15', Add	2.52	
			For Elevated Installation >15' To 20', Add	5.03	
			For Elevated Installation >20' To 25', Add	6.29	
			For Elevated Installation >25' To 30', Add	8.80	
			For Elevated Installation >30' To 35', Add	10.06	
			For Elevated Installation >35' To 40', Add	12.58	
			For Elevated Installation >40', Add	13.83	
			For Work In Restricted Working Space, Add	7.55	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.55	
26 05 33	13-1335	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....57.17	14.29	
			For Elevated Installation >10' To 15', Add	2.86	
			For Elevated Installation >15' To 20', Add	5.71	
			For Elevated Installation >20' To 25', Add	7.14	
			For Elevated Installation >25' To 30', Add	10.00	
			For Elevated Installation >30' To 35', Add	11.43	
			For Elevated Installation >35' To 40', Add	14.29	
			For Elevated Installation >40', Add	15.71	
			For Work In Restricted Working Space, Add	8.57	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.57	
26 05 33	13-1336	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....63.47	16.00	
			For Elevated Installation >10' To 15', Add	3.20	
			For Elevated Installation >15' To 20', Add	6.40	
			For Elevated Installation >20' To 25', Add	8.00	
			For Elevated Installation >25' To 30', Add	11.20	
			For Elevated Installation >30' To 35', Add	12.80	
			For Elevated Installation >35' To 40', Add	16.00	
			For Elevated Installation >40', Add	17.60	
			For Work In Restricted Working Space, Add	9.60	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.60	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1337	EA 2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	88.81	19.43
	For Elevated Installation >10' To 15', Add	3.89	
	For Elevated Installation >15' To 20', Add	7.77	
	For Elevated Installation >20' To 25', Add	9.72	
	For Elevated Installation >25' To 30', Add	13.60	
	For Elevated Installation >30' To 35', Add	15.54	
	For Elevated Installation >35' To 40', Add	19.43	
	For Elevated Installation >40', Add	21.37	
	For Work In Restricted Working Space, Add	11.66	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.66	
26 05 33 13-1338	EA 3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	114.84	26.87
	For Elevated Installation >10' To 15', Add	5.37	
	For Elevated Installation >15' To 20', Add	10.74	
	For Elevated Installation >20' To 25', Add	13.43	
	For Elevated Installation >25' To 30', Add	18.80	
	For Elevated Installation >30' To 35', Add	21.49	
	For Elevated Installation >35' To 40', Add	26.86	
	For Elevated Installation >40', Add	29.55	
	For Work In Restricted Working Space, Add	16.12	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 05 33 13-1339	EA 1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	37.27	7.43
	For Elevated Installation >10' To 15', Add	1.49	
	For Elevated Installation >15' To 20', Add	2.97	
	For Elevated Installation >20' To 25', Add	3.72	
	For Elevated Installation >25' To 30', Add	5.20	
	For Elevated Installation >30' To 35', Add	5.94	
	For Elevated Installation >35' To 40', Add	7.43	
	For Elevated Installation >40', Add	8.17	
	For Work In Restricted Working Space, Add	4.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-1340	EA 3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	40.18	8.58
	For Elevated Installation >10' To 15', Add	1.71	
	For Elevated Installation >15' To 20', Add	3.43	
	For Elevated Installation >20' To 25', Add	4.29	
	For Elevated Installation >25' To 30', Add	6.00	
	For Elevated Installation >30' To 35', Add	6.86	
	For Elevated Installation >35' To 40', Add	8.57	
	For Elevated Installation >40', Add	9.43	
	For Work In Restricted Working Space, Add	5.14	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.14	
26 05 33 13-1341	EA 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	46.10	10.85
	For Elevated Installation >10' To 15', Add	2.17	
	For Elevated Installation >15' To 20', Add	4.34	
	For Elevated Installation >20' To 25', Add	5.43	
	For Elevated Installation >25' To 30', Add	7.60	
	For Elevated Installation >30' To 35', Add	8.69	
	For Elevated Installation >35' To 40', Add	10.86	
	For Elevated Installation >40', Add	11.95	
	For Work In Restricted Working Space, Add	6.52	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.52	
26 05 33 13-1342	EA 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	54.03	12.57
	For Elevated Installation >10' To 15', Add	2.52	
	For Elevated Installation >15' To 20', Add	5.03	
	For Elevated Installation >20' To 25', Add	6.29	
	For Elevated Installation >25' To 30', Add	8.80	
	For Elevated Installation >30' To 35', Add	10.06	
	For Elevated Installation >35' To 40', Add	12.58	
	For Elevated Installation >40', Add	13.83	
	For Work In Restricted Working Space, Add	7.55	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.55	
26 05 33 13-1343	EA 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	58.70	14.29
	For Elevated Installation >10' To 15', Add	2.86	
	For Elevated Installation >15' To 20', Add	5.71	
	For Elevated Installation >20' To 25', Add	7.14	
	For Elevated Installation >25' To 30', Add	10.00	
	For Elevated Installation >30' To 35', Add	11.43	
	For Elevated Installation >35' To 40', Add	14.29	
	For Elevated Installation >40', Add	15.71	
	For Work In Restricted Working Space, Add	8.57	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.57	
26 05 33 13-1344	EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	66.16	16.00
	For Elevated Installation >10' To 15', Add	3.20	
	For Elevated Installation >15' To 20', Add	6.40	
	For Elevated Installation >20' To 25', Add	8.00	
	For Elevated Installation >25' To 30', Add	11.20	
	For Elevated Installation >30' To 35', Add	12.80	
	For Elevated Installation >35' To 40', Add	16.00	
	For Elevated Installation >40', Add	17.60	
	For Work In Restricted Working Space, Add	9.60	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.60	
26 05 33 13-1345	EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	91.19	19.43
	For Elevated Installation >10' To 15', Add	3.89	
	For Elevated Installation >15' To 20', Add	7.77	
	For Elevated Installation >20' To 25', Add	9.72	
	For Elevated Installation >25' To 30', Add	13.60	
	For Elevated Installation >30' To 35', Add	15.54	
	For Elevated Installation >35' To 40', Add	19.43	
	For Elevated Installation >40', Add	21.37	
	For Work In Restricted Working Space, Add	11.66	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.66	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1346	EA			3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....119.95	26.87	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	5.37	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	10.74	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	13.43	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	18.80	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	21.49	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	26.86	
				<i>For Elevated Installation &gt;40', Add</i>	29.55	
				<i>For Work In Restricted Working Space, Add</i>	16.12	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.12	
26 05 33 13-1347	EA			3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....143.18	30.30	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	6.06	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	12.12	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	15.15	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	21.20	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	24.23	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	30.29	
				<i>For Elevated Installation &gt;40', Add</i>	33.32	
				<i>For Work In Restricted Working Space, Add</i>	18.17	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.17	
26 05 33 13-1348	EA			4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....167.25	39.44	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
				<i>For Elevated Installation &gt;40', Add</i>	43.38	
				<i>For Work In Restricted Working Space, Add</i>	23.66	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.66	
26 05 33 13-1349	EA			1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....37.58	7.43	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	3.72	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	5.20	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	5.94	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	7.43	
				<i>For Elevated Installation &gt;40', Add</i>	8.17	
				<i>For Work In Restricted Working Space, Add</i>	4.46	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-1350	EA			3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....40.51	8.58	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	3.43	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	4.29	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	6.00	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	6.86	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	8.57	
				<i>For Elevated Installation &gt;40', Add</i>	9.43	
				<i>For Work In Restricted Working Space, Add</i>	5.14	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.14	
26 05 33 13-1351	EA			1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....46.46	10.85	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.17	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	4.34	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	5.43	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	7.60	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	8.69	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	10.86	
				<i>For Elevated Installation &gt;40', Add</i>	11.95	
				<i>For Work In Restricted Working Space, Add</i>	6.52	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.52	
26 05 33 13-1352	EA			1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....54.68	12.57	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.52	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	5.03	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	6.29	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	8.80	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	10.06	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	12.58	
				<i>For Elevated Installation &gt;40', Add</i>	13.83	
				<i>For Work In Restricted Working Space, Add</i>	7.55	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.55	
26 05 33 13-1353	EA			1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....59.37	14.29	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	5.71	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	7.14	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
				<i>For Elevated Installation &gt;40', Add</i>	15.71	
				<i>For Work In Restricted Working Space, Add</i>	8.57	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.57	
26 05 33 13-1354	EA			2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....67.62	16.00	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	3.20	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	6.40	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	8.00	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	11.20	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	12.80	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	16.00	
				<i>For Elevated Installation &gt;40', Add</i>	17.60	
				<i>For Work In Restricted Working Space, Add</i>	9.60	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.60	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1355	EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	100.63	19.43
	For Elevated Installation >10' To 15', Add	3.89	
	For Elevated Installation >15' To 20', Add	7.77	
	For Elevated Installation >20' To 25', Add	9.72	
	For Elevated Installation >25' To 30', Add	13.60	
	For Elevated Installation >30' To 35', Add	15.54	
	For Elevated Installation >35' To 40', Add	19.43	
	For Elevated Installation >40', Add	21.37	
	For Work In Restricted Working Space, Add	11.66	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.66	
26 05 33 13-1356	EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	127.60	26.87
	For Elevated Installation >10' To 15', Add	5.37	
	For Elevated Installation >15' To 20', Add	10.74	
	For Elevated Installation >20' To 25', Add	13.43	
	For Elevated Installation >25' To 30', Add	18.80	
	For Elevated Installation >30' To 35', Add	21.49	
	For Elevated Installation >35' To 40', Add	26.86	
	For Elevated Installation >40', Add	29.55	
	For Work In Restricted Working Space, Add	16.12	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 05 33 13-1357	EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	144.81	30.30
	For Elevated Installation >10' To 15', Add	6.06	
	For Elevated Installation >15' To 20', Add	12.12	
	For Elevated Installation >20' To 25', Add	15.15	
	For Elevated Installation >25' To 30', Add	21.20	
	For Elevated Installation >30' To 35', Add	24.23	
	For Elevated Installation >35' To 40', Add	30.29	
	For Elevated Installation >40', Add	33.32	
	For Work In Restricted Working Space, Add	18.17	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.17	
26 05 33 13-1358	EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	171.61	39.44
	For Elevated Installation >10' To 15', Add	7.89	
	For Elevated Installation >15' To 20', Add	15.77	
	For Elevated Installation >20' To 25', Add	19.72	
	For Elevated Installation >25' To 30', Add	27.60	
	For Elevated Installation >30' To 35', Add	31.55	
	For Elevated Installation >35' To 40', Add	39.44	
	For Elevated Installation >40', Add	43.38	
	For Work In Restricted Working Space, Add	23.66	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.66	
26 05 33 13-1359	EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	252.84	54.29
	For Elevated Installation >10' To 15', Add	10.86	
	For Elevated Installation >15' To 20', Add	21.72	
	For Elevated Installation >20' To 25', Add	27.15	
	For Elevated Installation >25' To 30', Add	38.01	
	For Elevated Installation >30' To 35', Add	43.44	
	For Elevated Installation >35' To 40', Add	54.30	
	For Elevated Installation >40', Add	59.72	
	For Work In Restricted Working Space, Add	32.58	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.58	
26 05 33 13-1360	EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	38.18	7.43
	For Elevated Installation >10' To 15', Add	1.49	
	For Elevated Installation >15' To 20', Add	2.97	
	For Elevated Installation >20' To 25', Add	3.72	
	For Elevated Installation >25' To 30', Add	5.20	
	For Elevated Installation >30' To 35', Add	5.94	
	For Elevated Installation >35' To 40', Add	7.43	
	For Elevated Installation >40', Add	8.17	
	For Work In Restricted Working Space, Add	4.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-1361	EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	41.11	8.58
	For Elevated Installation >10' To 15', Add	1.71	
	For Elevated Installation >15' To 20', Add	3.43	
	For Elevated Installation >20' To 25', Add	4.29	
	For Elevated Installation >25' To 30', Add	6.00	
	For Elevated Installation >30' To 35', Add	6.86	
	For Elevated Installation >35' To 40', Add	8.57	
	For Elevated Installation >40', Add	9.43	
	For Work In Restricted Working Space, Add	5.14	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.14	
26 05 33 13-1362	EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	47.10	10.85
	For Elevated Installation >10' To 15', Add	2.17	
	For Elevated Installation >15' To 20', Add	4.34	
	For Elevated Installation >20' To 25', Add	5.43	
	For Elevated Installation >25' To 30', Add	7.60	
	For Elevated Installation >30' To 35', Add	8.69	
	For Elevated Installation >35' To 40', Add	10.86	
	For Elevated Installation >40', Add	11.95	
	For Work In Restricted Working Space, Add	6.52	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.52	
26 05 33 13-1363	EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	55.88	12.57
	For Elevated Installation >10' To 15', Add	2.52	
	For Elevated Installation >15' To 20', Add	5.03	
	For Elevated Installation >20' To 25', Add	6.29	
	For Elevated Installation >25' To 30', Add	8.80	
	For Elevated Installation >30' To 35', Add	10.06	
	For Elevated Installation >35' To 40', Add	12.58	
	For Elevated Installation >40', Add	13.83	
	For Work In Restricted Working Space, Add	7.55	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.55	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1364	EA			1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....60.81		14.29
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	5.71	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	7.14	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
				<i>For Elevated Installation &gt;40', Add</i>	15.71	
				<i>For Work In Restricted Working Space, Add</i>	8.57	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.57	
26 05 33 13-1365	EA			2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....69.08		16.00
				<i>For Elevated Installation &gt;10' To 15', Add</i>	3.20	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	6.40	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	8.00	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	11.20	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	12.80	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	16.00	
				<i>For Elevated Installation &gt;40', Add</i>	17.60	
				<i>For Work In Restricted Working Space, Add</i>	9.60	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.60	
26 05 33 13-1366	EA			2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....110.22		19.43
				<i>For Elevated Installation &gt;10' To 15', Add</i>	3.89	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	7.77	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	9.72	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	13.60	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	15.54	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	19.43	
				<i>For Elevated Installation &gt;40', Add</i>	21.37	
				<i>For Work In Restricted Working Space, Add</i>	11.66	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.66	
26 05 33 13-1367	EA			3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....137.76		26.87
				<i>For Elevated Installation &gt;10' To 15', Add</i>	5.37	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	10.74	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	13.43	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	18.80	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	21.49	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	26.86	
				<i>For Elevated Installation &gt;40', Add</i>	29.55	
				<i>For Work In Restricted Working Space, Add</i>	16.12	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.12	
26 05 33 13-1368	EA			3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....153.97		30.30
				<i>For Elevated Installation &gt;10' To 15', Add</i>	6.06	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	12.12	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	15.15	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	21.20	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	24.23	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	30.29	
				<i>For Elevated Installation &gt;40', Add</i>	33.32	
				<i>For Work In Restricted Working Space, Add</i>	18.17	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.17	
26 05 33 13-1369	EA			4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....187.05		39.44
				<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	31.55	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	39.44	
				<i>For Elevated Installation &gt;40', Add</i>	43.38	
				<i>For Work In Restricted Working Space, Add</i>	23.66	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.66	
26 05 33 13-1370	EA			5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....275.93		54.29
				<i>For Elevated Installation &gt;10' To 15', Add</i>	10.86	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	21.72	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	27.15	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	38.01	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	43.44	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	54.30	
				<i>For Elevated Installation &gt;40', Add</i>	59.72	
				<i>For Work In Restricted Working Space, Add</i>	32.58	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.58	
26 05 33 13-1371	EA			1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....39.12		7.43
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	3.72	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	5.20	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	5.94	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	7.43	
				<i>For Elevated Installation &gt;40', Add</i>	8.17	
				<i>For Work In Restricted Working Space, Add</i>	4.46	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-1372	EA			3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....42.02		8.58
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	3.43	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	4.29	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	6.00	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	6.86	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	8.57	
				<i>For Elevated Installation &gt;40', Add</i>	9.43	
				<i>For Work In Restricted Working Space, Add</i>	5.14	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.14	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1373	EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	48.54	10.85
	For Elevated Installation >10' To 15', Add	2.17	
	For Elevated Installation >15' To 20', Add	4.34	
	For Elevated Installation >20' To 25', Add	5.43	
	For Elevated Installation >25' To 30', Add	7.60	
	For Elevated Installation >30' To 35', Add	8.69	
	For Elevated Installation >35' To 40', Add	10.86	
	For Elevated Installation >40', Add	11.95	
	For Work In Restricted Working Space, Add	6.52	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.52	
26 05 33 13-1374	EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	56.19	12.57
	For Elevated Installation >10' To 15', Add	2.52	
	For Elevated Installation >15' To 20', Add	5.03	
	For Elevated Installation >20' To 25', Add	6.29	
	For Elevated Installation >25' To 30', Add	8.80	
	For Elevated Installation >30' To 35', Add	10.06	
	For Elevated Installation >35' To 40', Add	12.58	
	For Elevated Installation >40', Add	13.83	
	For Work In Restricted Working Space, Add	7.55	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.55	
26 05 33 13-1375	EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	63.73	14.29
	For Elevated Installation >10' To 15', Add	2.86	
	For Elevated Installation >15' To 20', Add	5.71	
	For Elevated Installation >20' To 25', Add	7.14	
	For Elevated Installation >25' To 30', Add	10.00	
	For Elevated Installation >30' To 35', Add	11.43	
	For Elevated Installation >35' To 40', Add	14.29	
	For Elevated Installation >40', Add	15.71	
	For Work In Restricted Working Space, Add	8.57	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.57	
26 05 33 13-1376	EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	76.23	16.00
	For Elevated Installation >10' To 15', Add	3.20	
	For Elevated Installation >15' To 20', Add	6.40	
	For Elevated Installation >20' To 25', Add	8.00	
	For Elevated Installation >25' To 30', Add	11.20	
	For Elevated Installation >30' To 35', Add	12.80	
	For Elevated Installation >35' To 40', Add	16.00	
	For Elevated Installation >40', Add	17.60	
	For Work In Restricted Working Space, Add	9.60	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.60	
26 05 33 13-1377	EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	122.01	19.43
	For Elevated Installation >10' To 15', Add	3.89	
	For Elevated Installation >15' To 20', Add	7.77	
	For Elevated Installation >20' To 25', Add	9.72	
	For Elevated Installation >25' To 30', Add	13.60	
	For Elevated Installation >30' To 35', Add	15.54	
	For Elevated Installation >35' To 40', Add	19.43	
	For Elevated Installation >40', Add	21.37	
	For Work In Restricted Working Space, Add	11.66	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.66	
26 05 33 13-1378	EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	151.66	26.87
	For Elevated Installation >10' To 15', Add	5.37	
	For Elevated Installation >15' To 20', Add	10.74	
	For Elevated Installation >20' To 25', Add	13.43	
	For Elevated Installation >25' To 30', Add	18.80	
	For Elevated Installation >30' To 35', Add	21.49	
	For Elevated Installation >35' To 40', Add	26.86	
	For Elevated Installation >40', Add	29.55	
	For Work In Restricted Working Space, Add	16.12	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 05 33 13-1379	EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	176.88	30.30
	For Elevated Installation >10' To 15', Add	6.06	
	For Elevated Installation >15' To 20', Add	12.12	
	For Elevated Installation >20' To 25', Add	15.15	
	For Elevated Installation >25' To 30', Add	21.20	
	For Elevated Installation >30' To 35', Add	24.23	
	For Elevated Installation >35' To 40', Add	30.29	
	For Elevated Installation >40', Add	33.32	
	For Work In Restricted Working Space, Add	18.17	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.17	
26 05 33 13-1380	EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	210.23	39.44
	For Elevated Installation >10' To 15', Add	7.89	
	For Elevated Installation >15' To 20', Add	15.77	
	For Elevated Installation >20' To 25', Add	19.72	
	For Elevated Installation >25' To 30', Add	27.60	
	For Elevated Installation >30' To 35', Add	31.55	
	For Elevated Installation >35' To 40', Add	39.44	
	For Elevated Installation >40', Add	43.38	
	For Work In Restricted Working Space, Add	23.66	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.66	
26 05 33 13-1381	EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	291.75	54.29
	For Elevated Installation >10' To 15', Add	10.86	
	For Elevated Installation >15' To 20', Add	21.72	
	For Elevated Installation >20' To 25', Add	27.15	
	For Elevated Installation >25' To 30', Add	38.01	
	For Elevated Installation >30' To 35', Add	43.44	
	For Elevated Installation >35' To 40', Add	54.30	
	For Elevated Installation >40', Add	59.72	
	For Work In Restricted Working Space, Add	32.58	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.58	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1382	EA			1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....40.10	40.10	7.43
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	3.72	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	5.20	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	5.94	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	7.43	
				<i>For Elevated Installation &gt;40', Add</i>	8.17	
				<i>For Work In Restricted Working Space, Add</i>	4.46	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-1383	EA			3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....42.98	42.98	8.58
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.71	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	3.43	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	4.29	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	6.00	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	6.86	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	8.57	
				<i>For Elevated Installation &gt;40', Add</i>	9.43	
				<i>For Work In Restricted Working Space, Add</i>	5.14	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.14	
26 05 33 13-1384	EA			1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....49.96	49.96	10.85
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.17	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	4.34	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	5.43	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	7.60	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	8.69	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	10.86	
				<i>For Elevated Installation &gt;40', Add</i>	11.95	
				<i>For Work In Restricted Working Space, Add</i>	6.52	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.52	
26 05 33 13-1385	EA			1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....60.51	60.51	12.57
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.52	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	5.03	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	6.29	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	8.80	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	10.06	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	12.58	
				<i>For Elevated Installation &gt;40', Add</i>	13.83	
				<i>For Work In Restricted Working Space, Add</i>	7.55	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.55	
26 05 33 13-1386	EA			1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....70.69	70.69	14.29
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	5.71	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	7.14	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
				<i>For Elevated Installation &gt;40', Add</i>	15.71	
				<i>For Work In Restricted Working Space, Add</i>	8.57	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.57	
26 05 33 13-1387	EA			2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....86.72	86.72	16.00
				<i>For Elevated Installation &gt;10' To 15', Add</i>	3.20	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	6.40	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	8.00	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	11.20	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	12.80	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	16.00	
				<i>For Elevated Installation &gt;40', Add</i>	17.60	
				<i>For Work In Restricted Working Space, Add</i>	9.60	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.60	
26 05 33 13-1388	EA			2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....134.48	134.48	19.43
				<i>For Elevated Installation &gt;10' To 15', Add</i>	3.89	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	7.77	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	9.72	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	13.60	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	15.54	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	19.43	
				<i>For Elevated Installation &gt;40', Add</i>	21.37	
				<i>For Work In Restricted Working Space, Add</i>	11.66	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.66	
26 05 33 13-1389	EA			3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....169.47	169.47	26.87
				<i>For Elevated Installation &gt;10' To 15', Add</i>	5.37	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	10.74	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	13.43	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	18.80	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	21.49	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	26.86	
				<i>For Elevated Installation &gt;40', Add</i>	29.55	
				<i>For Work In Restricted Working Space, Add</i>	16.12	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.12	
26 05 33 13-1390	EA			3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....200.95	200.95	30.30
				<i>For Elevated Installation &gt;10' To 15', Add</i>	6.06	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	12.12	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	15.15	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	21.20	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	24.23	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	30.29	
				<i>For Elevated Installation &gt;40', Add</i>	33.32	
				<i>For Work In Restricted Working Space, Add</i>	18.17	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.17	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1391	EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	250.79	39.44
	For Elevated Installation >10' To 15', Add	7.89	
	For Elevated Installation >15' To 20', Add	15.77	
	For Elevated Installation >20' To 25', Add	19.72	
	For Elevated Installation >25' To 30', Add	27.60	
	For Elevated Installation >30' To 35', Add	31.55	
	For Elevated Installation >35' To 40', Add	39.44	
	For Elevated Installation >40', Add	43.38	
	For Work In Restricted Working Space, Add	23.66	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.66	
26 05 33 13-1392	EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	323.32	54.29
	For Elevated Installation >10' To 15', Add	10.86	
	For Elevated Installation >15' To 20', Add	21.72	
	For Elevated Installation >20' To 25', Add	27.15	
	For Elevated Installation >25' To 30', Add	38.01	
	For Elevated Installation >30' To 35', Add	43.44	
	For Elevated Installation >35' To 40', Add	54.30	
	For Elevated Installation >40', Add	59.72	
	For Work In Restricted Working Space, Add	32.58	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.58	
26 05 33 13-1393	EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	41.11	7.43
	For Elevated Installation >10' To 15', Add	1.49	
	For Elevated Installation >15' To 20', Add	2.97	
	For Elevated Installation >20' To 25', Add	3.72	
	For Elevated Installation >25' To 30', Add	5.20	
	For Elevated Installation >30' To 35', Add	5.94	
	For Elevated Installation >35' To 40', Add	7.43	
	For Elevated Installation >40', Add	8.17	
	For Work In Restricted Working Space, Add	4.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-1394	EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	44.11	8.58
	For Elevated Installation >10' To 15', Add	1.71	
	For Elevated Installation >15' To 20', Add	3.43	
	For Elevated Installation >20' To 25', Add	4.29	
	For Elevated Installation >25' To 30', Add	6.00	
	For Elevated Installation >30' To 35', Add	6.86	
	For Elevated Installation >35' To 40', Add	8.57	
	For Elevated Installation >40', Add	9.43	
	For Work In Restricted Working Space, Add	5.14	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.14	
26 05 33 13-1395	EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	53.55	10.85
	For Elevated Installation >10' To 15', Add	2.17	
	For Elevated Installation >15' To 20', Add	4.34	
	For Elevated Installation >20' To 25', Add	5.43	
	For Elevated Installation >25' To 30', Add	7.60	
	For Elevated Installation >30' To 35', Add	8.69	
	For Elevated Installation >35' To 40', Add	10.86	
	For Elevated Installation >40', Add	11.95	
	For Work In Restricted Working Space, Add	6.52	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.52	
26 05 33 13-1396	EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	67.60	12.57
	For Elevated Installation >10' To 15', Add	2.52	
	For Elevated Installation >15' To 20', Add	5.03	
	For Elevated Installation >20' To 25', Add	6.29	
	For Elevated Installation >25' To 30', Add	8.80	
	For Elevated Installation >30' To 35', Add	10.06	
	For Elevated Installation >35' To 40', Add	12.58	
	For Elevated Installation >40', Add	13.83	
	For Work In Restricted Working Space, Add	7.55	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.55	
26 05 33 13-1397	EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	79.10	14.29
	For Elevated Installation >10' To 15', Add	2.86	
	For Elevated Installation >15' To 20', Add	5.71	
	For Elevated Installation >20' To 25', Add	7.14	
	For Elevated Installation >25' To 30', Add	10.00	
	For Elevated Installation >30' To 35', Add	11.43	
	For Elevated Installation >35' To 40', Add	14.29	
	For Elevated Installation >40', Add	15.71	
	For Work In Restricted Working Space, Add	8.57	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.57	
26 05 33 13-1398	EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	95.16	16.00
	For Elevated Installation >10' To 15', Add	3.20	
	For Elevated Installation >15' To 20', Add	6.40	
	For Elevated Installation >20' To 25', Add	8.00	
	For Elevated Installation >25' To 30', Add	11.20	
	For Elevated Installation >30' To 35', Add	12.80	
	For Elevated Installation >35' To 40', Add	16.00	
	For Elevated Installation >40', Add	17.60	
	For Work In Restricted Working Space, Add	9.60	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.60	
26 05 33 13-1399	EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	151.11	19.43
	For Elevated Installation >10' To 15', Add	3.89	
	For Elevated Installation >15' To 20', Add	7.77	
	For Elevated Installation >20' To 25', Add	9.72	
	For Elevated Installation >25' To 30', Add	13.60	
	For Elevated Installation >30' To 35', Add	15.54	
	For Elevated Installation >35' To 40', Add	19.43	
	For Elevated Installation >40', Add	21.37	
	For Work In Restricted Working Space, Add	11.66	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1400 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	196.18	26.87
For Elevated Installation >10' To 15', Add	5.37	
For Elevated Installation >15' To 20', Add	10.74	
For Elevated Installation >20' To 25', Add	13.43	
For Elevated Installation >25' To 30', Add	18.80	
For Elevated Installation >30' To 35', Add	21.49	
For Elevated Installation >35' To 40', Add	26.86	
For Elevated Installation >40', Add	29.55	
For Work In Restricted Working Space, Add	16.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 05 33 13-1401 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	215.72	30.30
For Elevated Installation >10' To 15', Add	6.06	
For Elevated Installation >15' To 20', Add	12.12	
For Elevated Installation >20' To 25', Add	15.15	
For Elevated Installation >25' To 30', Add	21.20	
For Elevated Installation >30' To 35', Add	24.23	
For Elevated Installation >35' To 40', Add	30.29	
For Elevated Installation >40', Add	33.32	
For Work In Restricted Working Space, Add	18.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.17	
26 05 33 13-1402 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	263.23	39.44
For Elevated Installation >10' To 15', Add	7.89	
For Elevated Installation >15' To 20', Add	15.77	
For Elevated Installation >20' To 25', Add	19.72	
For Elevated Installation >25' To 30', Add	27.60	
For Elevated Installation >30' To 35', Add	31.55	
For Elevated Installation >35' To 40', Add	39.44	
For Elevated Installation >40', Add	43.38	
For Work In Restricted Working Space, Add	23.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.66	
26 05 33 13-1403 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	327.82	54.29
For Elevated Installation >10' To 15', Add	10.86	
For Elevated Installation >15' To 20', Add	21.72	
For Elevated Installation >20' To 25', Add	27.15	
For Elevated Installation >25' To 30', Add	38.01	
For Elevated Installation >30' To 35', Add	43.44	
For Elevated Installation >35' To 40', Add	54.30	
For Elevated Installation >40', Add	59.72	
For Work In Restricted Working Space, Add	32.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.58	
<b>26 05 33 13-1404 Aluminum Rigid Conduit (ARC) <small>(26 05 33 13-0058)</small></b>		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
<b>26 05 33 13-1405 Aluminum Rigid Conduit (ARC) With Threaded Coupling <small>(26 05 33 13-1404)</small></b>		
Note: Includes field bend conduit up to 1".		
26 05 33 13-1406 LF 1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling .....	5.42	1.76
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.66	
For Work In Restricted Working Space, Add	1.32	
26 05 33 13-1407 LF 3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling .....	6.21	1.94
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.73	
For Work In Restricted Working Space, Add	1.45	
26 05 33 13-1408 LF 1" Aluminum Rigid Conduit (ARC) With Threaded Coupling .....	7.23	2.11
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.79	
For Work In Restricted Working Space, Add	1.58	
26 05 33 13-1409 LF 1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling .....	8.28	2.29
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.86	
For Work In Restricted Working Space, Add	1.72	
26 05 33 13-1410 LF 1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling .....	9.34	2.46
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.92	
For Work In Restricted Working Space, Add	1.85	
26 05 33 13-1411 LF 2" Aluminum Rigid Conduit (ARC) With Threaded Coupling .....	11.28	2.81
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.05	
For Work In Restricted Working Space, Add	2.11	
26 05 33 13-1412 LF 2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling .....	15.50	3.52
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.32	
For Work In Restricted Working Space, Add	2.64	
26 05 33 13-1413 LF 3" Aluminum Rigid Conduit (ARC) With Threaded Coupling .....	19.37	4.22
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.58	
For Work In Restricted Working Space, Add	3.17	
26 05 33 13-1414 LF 3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling .....	23.77	5.28
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.98	
For Work In Restricted Working Space, Add	3.96	
26 05 33 13-1415 LF 4" Aluminum Rigid Conduit (ARC) With Threaded Coupling .....	29.24	6.68
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.51	
For Work In Restricted Working Space, Add	5.01	
26 05 33 13-1416 LF 5" Aluminum Rigid Conduit (ARC) With Threaded Coupling .....	39.05	8.44
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.17	
For Work In Restricted Working Space, Add	6.33	
26 05 33 13-1417 LF 6" Aluminum Rigid Conduit (ARC) With Threaded Coupling .....	49.99	10.55
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.96	
For Work In Restricted Working Space, Add	7.91	
<b>26 05 33 13-1418 Aluminum 90 Degree Elbows <small>(26 05 33 13-1404)</small></b>		
26 05 33 13-1419 EA 1" Aluminum 90 Degree Elbow .....	33.79	9.15
For Work In Restricted Working Space, Add	6.86	
26 05 33 13-1420 EA 1-1/4" Aluminum 90 Degree Elbow .....	43.30	10.37
For Work In Restricted Working Space, Add	7.78	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1421	EA 1-1/2" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	53.00 8.97	11.96
26 05 33 13-1422	EA 2" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	68.30 10.29	13.71
26 05 33 13-1423	EA 2-1/2" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	99.07 12.53	16.70
26 05 33 13-1424	EA 3" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	142.60 16.22	21.63
26 05 33 13-1425	EA 3-1/2" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	198.74 18.20	24.27
26 05 33 13-1426	EA 4" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	239.77 22.82	30.43
26 05 33 13-1427	EA 5" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	608.05 37.20	49.59
26 05 33 13-1428	EA 6" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	856.16 55.93	74.57
<b>26 05 33 13-1429 Aluminum Bushing Set With Locknut</b> <small>(26 05 33 13-1404)</small>			
26 05 33 13-1430	EA 1/2" Aluminum Bushing Set With Locknut ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.62 2.64 2.64	3.52
26 05 33 13-1431	EA 3/4" Aluminum Bushing Set With Locknut ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.78 3.43 3.43	4.57
26 05 33 13-1432	EA 1" Aluminum Bushing Set With Locknut ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.60 4.22 4.22	5.63
26 05 33 13-1433	EA 1-1/4" Aluminum Bushing Set With Locknut ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.43 4.75 4.75	6.33
26 05 33 13-1434	EA 1-1/2" Aluminum Bushing Set With Locknut ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.11 5.80 5.80	7.73
26 05 33 13-1435	EA 2" Aluminum Bushing Set With Locknut ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.57 6.99 6.99	9.32
26 05 33 13-1436	EA 2-1/2" Aluminum Bushing Set With Locknut ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.29 8.31 8.31	11.08
26 05 33 13-1437	EA 3" Aluminum Bushing Set With Locknut ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.49 9.50 9.50	12.66
26 05 33 13-1438	EA 3-1/2" Aluminum Bushing Set With Locknut ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.37 10.29 10.29	13.71
26 05 33 13-1439	EA 4" Aluminum Bushing Set With Locknut ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.83 11.08 11.08	14.78
26 05 33 13-1440	EA 5" Aluminum Bushing Set With Locknut ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.37 14.77 14.77	19.69
26 05 33 13-1441	EA 6" Aluminum Bushing Set With Locknut ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.29 22.16 22.16	29.54
26 05 33 13-1442	<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit</b> <small>(26 05 33 13-0058)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1443	<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings</b> <small>(26 05 33 13-1442)</small> Note: Includes field bend conduit up to 1".		
26 05 33 13-1444	LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	4.05 0.56 0.33	1.37
26 05 33 13-1445	LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	4.60 0.67 0.40	1.50
26 05 33 13-1446	LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	5.64 0.88 0.53	1.75
26 05 33 13-1447	LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	6.69 1.09 0.67	2.00
26 05 33 13-1448	LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	7.85 1.29 0.79	2.34
26 05 33 13-1449	LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	9.33 1.59 0.99	2.68
26 05 33 13-1450	LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	12.16 2.27 1.45	3.18
26 05 33 13-1451	LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	14.21 2.67 1.71	3.68
26 05 33 13-1452	LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	17.27 3.33 2.14	4.35

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1453	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	20.42 3.80 2.43	5.35
26 05 33	13-1454	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	29.08 5.48 3.51	7.53
26 05 33	13-1455	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	38.64 7.25 4.64	10.03
<b>26 05 33 13-1456 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows (26 05 33 13-1442)</b>					
See CSI section 26 05 33 13-2234 for conduit field bending.					
26 05 33	13-1457	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	17.78 2.04 1.10	6.69
26 05 33	13-1458	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	19.66 2.28 1.24	7.36
26 05 33	13-1459	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	22.87 2.78 1.54	8.36
26 05 33	13-1460	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	29.61 3.67 2.05	10.70
26 05 33	13-1461	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	37.32 4.70 2.64	13.38
26 05 33	13-1462	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	47.15 6.05 3.43	16.73
26 05 33	13-1463	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	59.63 8.33 4.87	20.07
26 05 33	13-1464	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	74.02 11.27 6.80	23.41
26 05 33	13-1465	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	92.61 14.65 8.94	28.43
26 05 33	13-1466	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	111.33 18.06 11.11	33.45
26 05 33	13-1467	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	153.32 27.53 17.43	41.81
26 05 33	13-1468	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	187.65 34.32 21.83	50.17
<b>26 05 33 13-1469 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows (26 05 33 13-1442)</b>					
See CSI section 26 05 33 13-2234 for conduit field bending.					
26 05 33	13-1470	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	17.78 2.04 1.10	6.69
26 05 33	13-1471	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	19.58 2.25 1.22	7.36
26 05 33	13-1472	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	22.77 2.74 1.51	8.36
26 05 33	13-1473	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	29.30 3.57 1.97	10.70
26 05 33	13-1474	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	36.63 4.46 2.47	13.38
26 05 33	13-1475	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	46.78 5.92 3.33	16.73

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1476	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow ..... See CSI section 26 05 33 13-2234 for conduit field bending. <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	58.94 8.09 4.70	20.07
26 05 33 13-1477	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow ..... See CSI section 26 05 33 13-2234 for conduit field bending. <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	73.15 10.97 6.58	23.41
26 05 33 13-1478	EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow ..... See CSI section 26 05 33 13-2234 for conduit field bending. <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	90.15 13.79 8.32	28.43
26 05 33 13-1479	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow ..... See CSI section 26 05 33 13-2234 for conduit field bending. <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	109.22 17.32 10.58	33.45
26 05 33 13-1480	EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow ..... See CSI section 26 05 33 13-2234 for conduit field bending. <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	150.59 26.58 16.74	41.81
26 05 33 13-1481	EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow ..... See CSI section 26 05 33 13-2234 for conduit field bending. <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	179.51 31.47 19.79	50.17
<b>26 05 33 13-1482 Polyvinyl Chloride (PVC) Conduit Female Adapters (26 05 33 13-1442)</b>			
26 05 33 13-1483	EA 1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.20 3.51	4.68
26 05 33 13-1484	EA 3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.04 4.01	5.35
26 05 33 13-1485	EA 1" Polyvinyl Chloride (PVC) Conduit Female Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.95 4.52	6.02
26 05 33 13-1486	EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.98 5.02	6.69
26 05 33 13-1487	EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.26 6.27	8.36
26 05 33 13-1488	EA 2" Polyvinyl Chloride (PVC) Conduit Female Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.01 7.52	10.03
26 05 33 13-1489	EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.02 10.04	13.38
26 05 33 13-1490	EA 3" Polyvinyl Chloride (PVC) Conduit Female Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.67 12.54	16.73
26 05 33 13-1491	EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.53 16.31	21.74
26 05 33 13-1492	EA 4" Polyvinyl Chloride (PVC) Conduit Female Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.34 20.07	26.76
26 05 33 13-1493	EA 5" Polyvinyl Chloride (PVC) Conduit Female Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.62 25.09	33.45
26 05 33 13-1494	EA 6" Polyvinyl Chloride (PVC) Conduit Female Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.21 31.36	41.81
<b>26 05 33 13-1495 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug (26 05 33 13-1442)</b>			
26 05 33 13-1496	EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.00 3.01	4.02
26 05 33 13-1497	EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.96 3.51	4.68
26 05 33 13-1498	EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.93 4.01	5.35
26 05 33 13-1499	EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.30 4.52	6.02
26 05 33 13-1500	EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.75 5.02	6.69
26 05 33 13-1501	EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.45 5.77	7.70
26 05 33 13-1502	EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.84 6.52	8.70
26 05 33 13-1503	EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.07 7.52	10.03
26 05 33 13-1504	EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.71 8.78	11.71
26 05 33 13-1505	EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.18 10.04	13.38
26 05 33 13-1506	EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.34 11.29	15.05
26 05 33 13-1507	EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.70 12.54	16.73
<b>26 05 33 13-1508 Polyvinyl Chloride (PVC) Conduit Terminal Adapters (26 05 33 13-1442)</b>			
26 05 33 13-1509	EA 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.27 3.86	
26 05 33 13-1510	EA 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.08 4.63	
26 05 33 13-1511	EA 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.92 5.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1512 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	20.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.72	
26 05 33 13-1513 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	22.09	8.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27	
26 05 33 13-1514 EA 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	26.78	10.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.52	
26 05 33 13-1515 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	36.55	13.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.04	
26 05 33 13-1516 EA 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	46.02	16.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.54	
26 05 33 13-1517 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	59.70	21.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.31	
26 05 33 13-1518 EA 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	72.48	26.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.07	
26 05 33 13-1519 EA 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	94.94	33.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.09	
26 05 33 13-1520 EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	118.19	41.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.36	
<b>26 05 33 13-1521 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover</b> <small>(26 05 33 13-1442)</small>		
26 05 33 13-1522 EA 1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	37.99	13.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.04	
26 05 33 13-1523 EA 3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	44.05	15.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.29	
26 05 33 13-1524 EA 1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	48.92	16.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.54	
26 05 33 13-1525 EA 1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	60.32	20.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.05	
26 05 33 13-1526 EA 1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	74.59	25.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.81	
26 05 33 13-1527 EA 2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	96.32	30.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.58	
26 05 33 13-1528 EA 2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	162.70	33.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.09	
26 05 33 13-1529 EA 3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	173.81	36.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.59	
26 05 33 13-1530 EA 3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	189.09	41.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.36	
26 05 33 13-1531 EA 4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	211.33	48.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.38	
<b>26 05 33 13-1532 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover</b> <small>(26 05 33 13-1442)</small>		
26 05 33 13-1533 EA 1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	50.01	17.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.19	
26 05 33 13-1534 EA 3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	55.93	19.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.51	
26 05 33 13-1535 EA 1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	60.50	21.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.83	
26 05 33 13-1536 EA 1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	75.54	24.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.47	
26 05 33 13-1537 EA 1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	91.24	29.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.42	
26 05 33 13-1538 EA 2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	112.05	35.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.38	
<b>26 05 33 13-1539 Polyvinyl Chloride (PVC) Conduit Expansion Joint</b> <small>(26 05 33 13-1442)</small>		
26 05 33 13-1540 EA 1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	80.62	16.73
26 05 33 13-1541 EA 3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	89.96	20.07
26 05 33 13-1542 EA 1" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	99.89	23.41
26 05 33 13-1543 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	109.23	26.76
26 05 33 13-1544 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	118.34	30.10
26 05 33 13-1545 EA 2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	129.30	33.45
26 05 33 13-1546 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	157.94	38.46
26 05 33 13-1547 EA 3" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	188.86	43.48
26 05 33 13-1548 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	220.97	50.17
26 05 33 13-1549 EA 4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	262.73	58.54
26 05 33 13-1550 EA 5" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	346.46	70.24
26 05 33 13-1551 EA 6" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	455.32	90.31
<b>26 05 33 13-1552 Polyvinyl Chloride (PVC) Conduit End Caps</b> <small>(26 05 33 13-1442)</small>		
26 05 33 13-1553 EA 1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	10.40	3.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.51	
26 05 33 13-1554 EA 3/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	12.30	4.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.01	
26 05 33 13-1555 EA 1" Polyvinyl Chloride (PVC) Conduit End Cap.....	14.16	4.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.51	
26 05 33 13-1556 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	16.90	5.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.01	
26 05 33 13-1557 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	19.68	6.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.52	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1558	EA		2" Polyvinyl Chloride (PVC) Conduit End Cap ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.20 5.02	6.69
26 05 33 13-1559	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.96 5.77	7.70
26 05 33 13-1560	EA		3" Polyvinyl Chloride (PVC) Conduit End Cap ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.12 6.52	8.70
26 05 33 13-1561	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.05 7.28	9.70
26 05 33 13-1562	EA		4" Polyvinyl Chloride (PVC) Conduit End Cap ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.60 7.78	10.37
26 05 33 13-1563	EA		5" Polyvinyl Chloride (PVC) Conduit End Cap ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.55 8.78	11.71
26 05 33 13-1564	EA		6" Polyvinyl Chloride (PVC) Conduit End Cap ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.55 10.04	13.38
<b>26 05 33 13-1565 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) <small>(26 05 33 13-1442)</small></b>					
26 05 33 13-1566	EA		2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.27 22.58	30.10
26 05 33 13-1567	EA		3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.69 15.05	20.07
26 05 33 13-1568	EA		1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	244.61 25.09	33.45
26 05 33 13-1569	EA		3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	471.56 36.38	48.50
<b>26 05 33 13-1570 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-0058)</small></b>					
Note: Exposed installation. Excludes supporting strap, hanger and fastening.					
<b>26 05 33 13-1571 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1570)</small></b>					
26 05 33 13-1572	LF		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	6.11	1.37
26 05 33 13-1573	LF		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	6.78	1.50
26 05 33 13-1574	LF		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	7.58	1.74
26 05 33 13-1575	LF		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	8.39	2.00
26 05 33 13-1576	LF		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	9.49	2.34
26 05 33 13-1577	LF		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	10.43	2.68
26 05 33 13-1578	LF		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	12.43	3.18
26 05 33 13-1579	LF		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	14.57	3.68
26 05 33 13-1580	LF		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	16.91	4.35
26 05 33 13-1581	LF		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	20.09	5.35
26 05 33 13-1582	LF		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	27.20	7.53
26 05 33 13-1583	LF		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	35.57	10.03
<b>26 05 33 13-1584 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1570)</small></b>					
26 05 33 13-1585	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	66.29 4.55 6.63 8.70	6.69
26 05 33 13-1586	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	73.89 5.08 7.39 9.70	7.36
26 05 33 13-1587	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	76.95 5.25 7.70 10.14	8.36
26 05 33 13-1588	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	83.36 5.58 8.34 11.09	10.70
26 05 33 13-1589	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	90.61 5.96 9.06 12.16	13.38
26 05 33 13-1590	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	106.85 6.97 10.69 14.40	16.73
26 05 33 13-1591	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	128.02 8.35 12.80 17.26	20.07
26 05 33 13-1592	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	151.96 9.93 15.20 20.46	23.41

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1593	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows .....	176.17	28.43
				For 24" Radius, Add	11.44	
				For 36" Radius, Add	17.62	
				For 48" Radius, Add	23.80	
26 05 33 13-1594	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows .....	200.40	33.45
				For 24" Radius, Add	12.94	
				For 36" Radius, Add	20.04	
				For 48" Radius, Add	27.14	
26 05 33 13-1595	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows .....	250.49	41.81
				For 24" Radius, Add	16.17	
				For 36" Radius, Add	25.05	
				For 48" Radius, Add	33.92	
26 05 33 13-1596	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows .....	307.90	50.17
				For 24" Radius, Add	19.96	
				For 36" Radius, Add	30.79	
				For 48" Radius, Add	41.62	

**26 05 33 13-1597 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows** (26 05 33 13-1570)

26 05 33 13-1598	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	57.37	6.69
				For 24" Radius, Add	3.88	
				For 36" Radius, Add	5.74	
				For 48" Radius, Add	7.59	
26 05 33 13-1599	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	63.90	7.36
				For 24" Radius, Add	4.33	
				For 36" Radius, Add	6.39	
				For 48" Radius, Add	8.45	
26 05 33 13-1600	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	66.86	8.36
				For 24" Radius, Add	4.49	
				For 36" Radius, Add	6.69	
				For 48" Radius, Add	8.88	
26 05 33 13-1601	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	73.17	10.70
				For 24" Radius, Add	4.82	
				For 36" Radius, Add	7.32	
				For 48" Radius, Add	9.82	
26 05 33 13-1602	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	80.32	13.38
				For 24" Radius, Add	5.19	
				For 36" Radius, Add	8.03	
				For 48" Radius, Add	10.88	
26 05 33 13-1603	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	95.15	16.73
				For 24" Radius, Add	6.09	
				For 36" Radius, Add	9.52	
				For 48" Radius, Add	12.94	
26 05 33 13-1604	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	114.01	20.07
				For 24" Radius, Add	7.30	
				For 36" Radius, Add	11.40	
				For 48" Radius, Add	15.51	
26 05 33 13-1605	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	135.15	23.41
				For 24" Radius, Add	8.67	
				For 36" Radius, Add	13.52	
				For 48" Radius, Add	18.36	
26 05 33 13-1606	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	157.25	28.43
				For 24" Radius, Add	10.02	
				For 36" Radius, Add	15.73	
				For 48" Radius, Add	21.43	
26 05 33 13-1607	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	179.38	33.45
				For 24" Radius, Add	11.36	
				For 36" Radius, Add	17.94	
				For 48" Radius, Add	24.51	
26 05 33 13-1608	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	224.22	41.81
				For 24" Radius, Add	14.20	
				For 36" Radius, Add	22.42	
				For 48" Radius, Add	30.64	
26 05 33 13-1609	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	275.05	50.17
				For 24" Radius, Add	17.49	
				For 36" Radius, Add	27.51	
				For 48" Radius, Add	37.52	

**26 05 33 13-1610 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows** (26 05 33 13-1570)

26 05 33 13-1611	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....	53.21	6.02
				For 24" Radius, Add	3.61	
				For 36" Radius, Add	5.32	
				For 48" Radius, Add	7.03	
26 05 33 13-1612	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....	59.29	6.62
				For 24" Radius, Add	4.03	
				For 36" Radius, Add	5.93	
				For 48" Radius, Add	7.83	
26 05 33 13-1613	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....	61.97	7.53
				For 24" Radius, Add	4.18	
				For 36" Radius, Add	6.20	
				For 48" Radius, Add	8.22	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

26 05 33 13-1614	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	67.66	9.63
		<i>For 24" Radius, Add</i>	4.47	
		<i>For 36" Radius, Add</i>	6.77	
		<i>For 48" Radius, Add</i>	9.06	
26 05 33 13-1615	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	74.11	12.05
		<i>For 24" Radius, Add</i>	4.81	
		<i>For 36" Radius, Add</i>	7.41	
		<i>For 48" Radius, Add</i>	10.02	
26 05 33 13-1616	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	87.71	15.05
		<i>For 24" Radius, Add</i>	5.64	
		<i>For 36" Radius, Add</i>	8.77	
		<i>For 48" Radius, Add</i>	11.90	
26 05 33 13-1617	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	105.11	18.06
		<i>For 24" Radius, Add</i>	6.75	
		<i>For 36" Radius, Add</i>	10.51	
		<i>For 48" Radius, Add</i>	14.27	
26 05 33 13-1618	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	124.62	21.08
		<i>For 24" Radius, Add</i>	8.03	
		<i>For 36" Radius, Add</i>	12.46	
		<i>For 48" Radius, Add</i>	16.89	
26 05 33 13-1619	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	144.90	25.58
		<i>For 24" Radius, Add</i>	9.27	
		<i>For 36" Radius, Add</i>	14.49	
		<i>For 48" Radius, Add</i>	19.71	
26 05 33 13-1620	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	165.18	30.10
		<i>For 24" Radius, Add</i>	10.51	
		<i>For 36" Radius, Add</i>	16.52	
		<i>For 48" Radius, Add</i>	22.53	
26 05 33 13-1621	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	206.47	37.63
		<i>For 24" Radius, Add</i>	13.13	
		<i>For 36" Radius, Add</i>	20.65	
		<i>For 48" Radius, Add</i>	28.16	
26 05 33 13-1622	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	253.38	45.16
		<i>For 24" Radius, Add</i>	16.18	
		<i>For 36" Radius, Add</i>	25.34	
		<i>For 48" Radius, Add</i>	34.49	

**26 05 33 13-1623 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows** (26 05 33 13-1570)

26 05 33 13-1624	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	50.74	6.02
		<i>For 24" Radius, Add</i>	3.43	
		<i>For 36" Radius, Add</i>	5.07	
		<i>For 48" Radius, Add</i>	6.72	
26 05 33 13-1625	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	56.51	6.62
		<i>For 24" Radius, Add</i>	3.82	
		<i>For 36" Radius, Add</i>	5.65	
		<i>For 48" Radius, Add</i>	7.48	
26 05 33 13-1626	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	59.17	7.53
		<i>For 24" Radius, Add</i>	3.97	
		<i>For 36" Radius, Add</i>	5.92	
		<i>For 48" Radius, Add</i>	7.87	
26 05 33 13-1627	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	64.83	9.63
		<i>For 24" Radius, Add</i>	4.26	
		<i>For 36" Radius, Add</i>	6.48	
		<i>For 48" Radius, Add</i>	8.71	
26 05 33 13-1628	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	71.26	12.05
		<i>For 24" Radius, Add</i>	4.59	
		<i>For 36" Radius, Add</i>	7.13	
		<i>For 48" Radius, Add</i>	9.66	
26 05 33 13-1629	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	84.46	15.05
		<i>For 24" Radius, Add</i>	5.39	
		<i>For 36" Radius, Add</i>	8.45	
		<i>For 48" Radius, Add</i>	11.50	
26 05 33 13-1630	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	101.21	18.06
		<i>For 24" Radius, Add</i>	6.46	
		<i>For 36" Radius, Add</i>	10.12	
		<i>For 48" Radius, Add</i>	13.78	
26 05 33 13-1631	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	119.94	21.08
		<i>For 24" Radius, Add</i>	7.68	
		<i>For 36" Radius, Add</i>	11.99	
		<i>For 48" Radius, Add</i>	16.31	
26 05 33 13-1632	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	139.64	25.58
		<i>For 24" Radius, Add</i>	8.87	
		<i>For 36" Radius, Add</i>	13.96	
		<i>For 48" Radius, Add</i>	19.05	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1633 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	159.34	30.10
Elbows .....	159.34	30.10
For 24" Radius, Add	10.07	
For 36" Radius, Add	15.93	
For 48" Radius, Add	21.80	
26 05 33 13-1634 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	199.17	37.63
Elbows .....	199.17	37.63
For 24" Radius, Add	12.59	
For 36" Radius, Add	19.92	
For 48" Radius, Add	27.25	
26 05 33 13-1635 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	244.26	45.16
Elbows .....	244.26	45.16
For 24" Radius, Add	15.50	
For 36" Radius, Add	24.43	
For 48" Radius, Add	33.35	
<b>26 05 33 13-1636 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings (26 05 33 13-1570)</b>		
26 05 33 13-1637 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	32.23	4.68
26 05 33 13-1638 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	36.25	5.35
26 05 33 13-1639 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	38.15	6.02
26 05 33 13-1640 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	40.03	6.69
26 05 33 13-1641 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	44.66	8.36
26 05 33 13-1642 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	53.38	10.03
26 05 33 13-1643 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	67.51	13.38
26 05 33 13-1644 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	82.68	16.73
26 05 33 13-1645 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	100.34	21.74
26 05 33 13-1646 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	117.98	26.76
26 05 33 13-1647 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	147.48	33.45
26 05 33 13-1648 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	184.32	41.81
<b>26 05 33 13-1649 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings (26 05 33 13-1570)</b>		
26 05 33 13-1650 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	23.29	4.68
26 05 33 13-1651 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	26.24	5.35
26 05 33 13-1652 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	28.05	6.02
26 05 33 13-1653 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	29.87	6.69
26 05 33 13-1654 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	34.17	8.36
26 05 33 13-1655 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	38.43	10.03
26 05 33 13-1656 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	49.47	13.38
26 05 33 13-1657 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	61.04	16.73
26 05 33 13-1658 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	75.99	21.74
26 05 33 13-1659 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	90.93	26.76
26 05 33 13-1660 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	113.69	33.45
26 05 33 13-1661 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	142.08	41.81
<b>26 05 33 13-1662 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings (26 05 33 13-1570)</b>		
26 05 33 13-1663 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	26.10	3.85
26 05 33 13-1664 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	29.38	5.35
26 05 33 13-1665 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	31.22	6.02
26 05 33 13-1666 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	33.00	6.69
26 05 33 13-1667 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	37.54	8.36
26 05 33 13-1668 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	44.89	10.03
26 05 33 13-1669 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	57.21	13.38
26 05 33 13-1670 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	70.32	16.73
26 05 33 13-1671 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	86.43	21.74
26 05 33 13-1672 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	102.53	26.76
26 05 33 13-1673 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	128.15	33.45
26 05 33 13-1674 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	160.20	41.81
<b>26 05 33 13-1675 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints (26 05 33 13-1570)</b>		
26 05 33 13-1676 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	57.67	16.73
26 05 33 13-1677 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	67.76	20.07
26 05 33 13-1678 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	76.33	23.41
26 05 33 13-1679 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	84.80	26.76
26 05 33 13-1680 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	93.57	30.10
26 05 33 13-1681 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	105.42	33.45
26 05 33 13-1682 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	122.33	38.46
26 05 33 13-1683 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	140.09	43.48
26 05 33 13-1684 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	160.75	50.17
26 05 33 13-1685 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	185.57	58.54
26 05 33 13-1686 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	216.29	66.89
26 05 33 13-1687 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	249.45	75.26
<b>26 05 33 13-1688 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints (26 05 33 13-1570)</b>		
26 05 33 13-1689 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	64.11	16.73

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 13-1690	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	74.99		20.07
26 05 33 13-1691	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	83.59		23.41
26 05 33 13-1692	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	92.13		26.76
26 05 33 13-1693	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	100.97		30.10
26 05 33 13-1694	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	113.87		33.45
26 05 33 13-1695	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	132.47		38.46
26 05 33 13-1696	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	152.26		43.48
26 05 33 13-1697	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	174.44		50.17
26 05 33 13-1698	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	200.79		58.54
26 05 33 13-1699	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	235.36		66.89
26 05 33 13-1700	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	273.29		75.26
<b>26 05 33 13-1701 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters</b>					
<small>(26 05 33 13-1570)</small>					
26 05 33 13-1702	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	64.74		4.68
26 05 33 13-1703	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	72.29		5.35
26 05 33 13-1704	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	75.77		6.02
26 05 33 13-1705	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	79.34		6.69
26 05 33 13-1706	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	84.49		8.36
26 05 33 13-1707	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	94.72		10.03
26 05 33 13-1708	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	117.03		13.38
26 05 33 13-1709	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	142.04		16.73
26 05 33 13-1710	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	167.13		21.74
26 05 33 13-1711	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	192.19		26.76
26 05 33 13-1712	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	240.30		33.45
26 05 33 13-1713	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	299.15		41.81
<b>26 05 33 13-1714 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints</b>					
<small>(26 05 33 13-1570)</small>					
26 05 33 13-1715	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	75.31		16.73
26 05 33 13-1716	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	87.40		20.07
26 05 33 13-1717	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	104.53		23.41
26 05 33 13-1718	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	128.90		26.76
26 05 33 13-1719	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	160.27		30.10
26 05 33 13-1720	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	209.61		33.45
26 05 33 13-1721	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	294.42		38.46
26 05 33 13-1722	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	354.53		43.48
26 05 33 13-1723	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	427.76		50.17
26 05 33 13-1724	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	505.17		58.54
26 05 33 13-1725	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	593.48		66.89
26 05 33 13-1726	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	911.76		75.26
<b>26 05 33 13-1727 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover</b>					
<small>(26 05 33 13-1570)</small>					
26 05 33 13-1728	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	63.11		13.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				10.04	
26 05 33 13-1729	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	73.00		15.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				11.29	
26 05 33 13-1730	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	95.73		16.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				12.54	
26 05 33 13-1731	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	116.78		20.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				15.05	
26 05 33 13-1732	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	148.35		25.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				18.81	
26 05 33 13-1733	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	202.14		30.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				22.58	
26 05 33 13-1734	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	325.70		35.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				26.34	
26 05 33 13-1735	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	417.55		40.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				30.11	
26 05 33 13-1736	EA	3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover .....	501.68		46.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				35.12	
26 05 33 13-1737	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	585.80		53.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				40.14	
26 05 33 13-1738	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	689.76		60.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				45.15	
26 05 33 13-1739	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	781.82		66.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				50.17	

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

26 05 33 13-1740	<b>Explosion Proof Conduit Fittings</b> <small>(26 05 33 13-0058)</small> Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.		
26 05 33 13-1741	<b>Explosion Proof Malleable Iron Conduit Unions</b> <small>(26 05 33 13-1740)</small>		
26 05 33 13-1742	EA 1/2" Explosion Proof Malleable Iron Conduit Union.....	36.86	7.34
26 05 33 13-1743	EA 3/4" Explosion Proof Malleable Iron Conduit Union.....	45.76	8.10
26 05 33 13-1744	EA 1" Explosion Proof Malleable Iron Conduit Union.....	73.31	10.80
26 05 33 13-1745	EA 1-1/4" Explosion Proof Malleable Iron Conduit Union.....	97.83	11.96
26 05 33 13-1746	EA 1-1/2" Explosion Proof Malleable Iron Conduit Union.....	123.25	14.66
26 05 33 13-1747	EA 2" Explosion Proof Malleable Iron Conduit Union.....	153.99	16.97
26 05 33 13-1748	EA 2-1/2" Explosion Proof Malleable Iron Conduit Union.....	234.85	24.26
26 05 33 13-1749	EA 3" Explosion Proof Malleable Iron Conduit Union.....	299.17	28.88
26 05 33 13-1750	EA 3-1/2" Explosion Proof Malleable Iron Conduit Union.....	507.12	34.66
26 05 33 13-1751	EA 4" Explosion Proof Malleable Iron Conduit Union.....	535.29	44.28
26 05 33 13-1752	<b>Explosion Proof Malleable Iron Conduit Bodies</b> <small>(26 05 33 13-1740)</small>		
26 05 33 13-1753	EA 1/2" Explosion Proof Malleable Iron Two Hub Conduit Body.....	131.50	23.15
26 05 33 13-1754	EA 3/4" Explosion Proof Malleable Iron Two Hub Conduit Body.....	148.17	26.24
26 05 33 13-1755	EA 1" Explosion Proof Malleable Iron Two Hub Conduit Body.....	174.15	28.94
26 05 33 13-1756	EA 1/2" Explosion Proof Malleable Iron Three Hub Conduit Body.....	147.36	28.94
26 05 33 13-1757	EA 3/4" Explosion Proof Malleable Iron Three Hub Conduit Body.....	175.47	34.73
26 05 33 13-1758	EA 1" Explosion Proof Malleable Iron Three Hub Conduit Body.....	208.15	39.74
26 05 33 13-1759	<b>Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical</b> <small>(26 05 33 13-1740)</small> Note: Includes sealing gasket and lock nut.		
26 05 33 13-1760	EA 1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	108.70	19.29
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.47	
26 05 33 13-1761	EA 3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	110.40	21.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.21	
26 05 33 13-1762	EA 1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	120.53	23.53
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.65	
26 05 33 13-1763	EA 1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	155.38	28.94
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.70	
26 05 33 13-1764	EA 1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	199.46	33.95
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.46	
26 05 33 13-1765	EA 2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	258.20	38.59
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.94	
26 05 33 13-1766	EA 2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	366.50	57.76
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.32	
26 05 33 13-1767	EA 3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	463.45	72.39
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.29	
26 05 33 13-1768	EA 3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	662.85	79.70
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.78	
26 05 33 13-1769	EA 4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	861.29	86.63
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.98	
26 05 33 13-1770	<b>Explosion Proof Flexible Conduit Couplings</b> <small>(26 05 33 13-1740)</small>		
26 05 33 13-1771	EA 1/2" x 12" Explosion Proof Flexible Conduit Coupling.....	307.17	8.87
26 05 33 13-1772	EA 3/4" x 15" Explosion Proof Flexible Conduit Coupling.....	402.48	10.03
26 05 33 13-1773	<b>Conduit Installed Below Grade</b> <small>(26 05 33 13-0057)</small> Note: By direct burial in trench or in concrete slabs or duct banks. Includes warning tape for underground conduits. Excludes trenching, backfilling and concrete.		
26 05 33 13-1774	<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial</b> <small>(26 05 33 13-1773)</small>		
26 05 33 13-1775	<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial</b> <small>(26 05 33 13-1774)</small> Note: Includes field bend conduit up to 1".		
26 05 33 13-1776	LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	3.34	
	<i>For Schedule 80, Add</i>	0.49	
	<i>For Schedule 60, Add</i>	0.29	
26 05 33 13-1777	LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	3.77	
	<i>For Schedule 80, Add</i>	0.59	
	<i>For Schedule 60, Add</i>	0.36	
26 05 33 13-1778	LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	4.39	
	<i>For Schedule 80, Add</i>	0.75	
	<i>For Schedule 60, Add</i>	0.47	
26 05 33 13-1779	LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	5.02	
	<i>For Schedule 80, Add</i>	0.92	
	<i>For Schedule 60, Add</i>	0.59	
26 05 33 13-1780	LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	5.56	
	<i>For Schedule 80, Add</i>	1.06	
	<i>For Schedule 60, Add</i>	0.68	
26 05 33 13-1781	LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	6.40	
	<i>For Schedule 80, Add</i>	1.30	
	<i>For Schedule 60, Add</i>	0.85	
26 05 33 13-1782	LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	8.18	
	<i>For Schedule 80, Add</i>	1.87	
	<i>For Schedule 60, Add</i>	1.25	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1783	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial .....	9.19	
			<i>For Schedule 80, Add</i>	2.17	
			<i>For Schedule 60, Add</i>	1.46	
26 05 33 13-1784	LF		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial .....	10.79	
			<i>For Schedule 80, Add</i>	2.68	
			<i>For Schedule 60, Add</i>	1.82	
26 05 33 13-1785	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial .....	11.64	
			<i>For Schedule 80, Add</i>	2.92	
			<i>For Schedule 60, Add</i>	1.99	
26 05 33 13-1786	LF		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial .....	15.08	
			<i>For Schedule 80, Add</i>	4.08	
			<i>For Schedule 60, Add</i>	2.81	
26 05 33 13-1787	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial .....	18.58	
			<i>For Schedule 80, Add</i>	5.25	
			<i>For Schedule 60, Add</i>	3.64	
<b>26 05 33 13-1788</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial</b> <small>(26 05 33 13-1774)</small>		
			See CSI section 26 05 33 13-2234 for conduit field bending.		
26 05 33 13-1789	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	21.95	
			<i>For Schedule 80, Add</i>	2.46	
			<i>For Schedule 60, Add</i>	1.31	
26 05 33 13-1790	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	26.34	
			<i>For Schedule 80, Add</i>	2.95	
			<i>For Schedule 60, Add</i>	1.57	
26 05 33 13-1791	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	31.23	
			<i>For Schedule 80, Add</i>	3.62	
			<i>For Schedule 60, Add</i>	1.96	
26 05 33 13-1792	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	36.30	
			<i>For Schedule 80, Add</i>	4.34	
			<i>For Schedule 60, Add</i>	2.39	
26 05 33 13-1793	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	41.50	
			<i>For Schedule 80, Add</i>	5.12	
			<i>For Schedule 60, Add</i>	2.85	
26 05 33 13-1794	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	47.15	
			<i>For Schedule 80, Add</i>	6.05	
			<i>For Schedule 60, Add</i>	3.43	
26 05 33 13-1795	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	55.45	
			<i>For Schedule 80, Add</i>	7.91	
			<i>For Schedule 60, Add</i>	4.66	
26 05 33 13-1796	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	65.65	
			<i>For Schedule 80, Add</i>	10.44	
			<i>For Schedule 60, Add</i>	6.38	
26 05 33 13-1797	EA		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	80.08	
			<i>For Schedule 80, Add</i>	13.39	
			<i>For Schedule 60, Add</i>	8.31	
26 05 33 13-1798	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	94.60	
			<i>For Schedule 80, Add</i>	16.39	
			<i>For Schedule 60, Add</i>	10.27	
26 05 33 13-1799	EA		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	124.06	
			<i>For Schedule 80, Add</i>	24.61	
			<i>For Schedule 60, Add</i>	15.96	
26 05 33 13-1800	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	145.84	
			<i>For Schedule 80, Add</i>	30.14	
			<i>For Schedule 60, Add</i>	19.74	
<b>26 05 33 13-1801</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial</b> <small>(26 05 33 13-1774)</small>		
			See CSI section 26 05 33 13-2234 for conduit field bending.		
26 05 33 13-1802	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	21.95	
			<i>For Schedule 80, Add</i>	2.46	
			<i>For Schedule 60, Add</i>	1.31	
26 05 33 13-1803	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	26.26	
			<i>For Schedule 80, Add</i>	2.92	
			<i>For Schedule 60, Add</i>	1.55	
26 05 33 13-1804	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	31.13	
			<i>For Schedule 80, Add</i>	3.58	
			<i>For Schedule 60, Add</i>	1.93	
26 05 33 13-1805	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	35.99	
			<i>For Schedule 80, Add</i>	4.23	
			<i>For Schedule 60, Add</i>	2.31	
26 05 33 13-1806	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	40.81	
			<i>For Schedule 80, Add</i>	4.88	
			<i>For Schedule 60, Add</i>	2.68	
26 05 33 13-1807	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	46.78	
			<i>For Schedule 80, Add</i>	5.92	
			<i>For Schedule 60, Add</i>	3.33	
26 05 33 13-1808	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	54.76	
			<i>For Schedule 80, Add</i>	7.67	
			<i>For Schedule 60, Add</i>	4.49	
26 05 33 13-1809	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	64.78	
			<i>For Schedule 80, Add</i>	10.13	
			<i>For Schedule 60, Add</i>	6.16	
26 05 33 13-1810	EA		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	77.62	
			<i>For Schedule 80, Add</i>	12.53	
			<i>For Schedule 60, Add</i>	7.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1811 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	92.49	
For Schedule 80, Add	15.65	
For Schedule 60, Add	9.74	
26 05 33 13-1812 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	121.33	
For Schedule 80, Add	23.65	
For Schedule 60, Add	15.28	
26 05 33 13-1813 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	137.70	
For Schedule 80, Add	27.29	
For Schedule 60, Add	17.70	
<b>26 05 33 13-1814 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial</b> <small>(26 05 33 13-1774)</small>		
26 05 33 13-1815 EA 1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	12.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.51	
26 05 33 13-1816 EA 3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	14.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.01	
26 05 33 13-1817 EA 1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	15.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.52	
26 05 33 13-1818 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	17.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.02	
26 05 33 13-1819 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	19.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.52	
26 05 33 13-1820 EA 2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	22.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 05 33 13-1821 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	26.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.77	
26 05 33 13-1822 EA 3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	29.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.52	
26 05 33 13-1823 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	35.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.78	
26 05 33 13-1824 EA 4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	39.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.04	
26 05 33 13-1825 EA 5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	50.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.29	
26 05 33 13-1826 EA 6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	57.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.54	
<b>26 05 33 13-1827 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial</b> <small>(26 05 33 13-1774)</small>		
26 05 33 13-1828 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	14.00	
26 05 33 13-1829 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	15.96	
26 05 33 13-1830 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	17.93	
26 05 33 13-1831 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	22.98	
26 05 33 13-1832 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	25.42	
26 05 33 13-1833 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	28.45	
26 05 33 13-1834 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	31.84	
26 05 33 13-1835 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	36.07	
26 05 33 13-1836 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	42.71	
26 05 33 13-1837 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	47.18	
26 05 33 13-1838 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	59.34	
26 05 33 13-1839 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	66.70	
<b>26 05 33 13-1840 Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial</b> <small>(26 05 33 13-1774)</small>		
26 05 33 13-1841 EA 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	12.11	
26 05 33 13-1842 EA 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	14.04	
26 05 33 13-1843 EA 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	15.85	
26 05 33 13-1844 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	17.78	
26 05 33 13-1845 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	19.59	
26 05 33 13-1846 EA 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	21.77	
26 05 33 13-1847 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	25.68	
26 05 33 13-1848 EA 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	29.29	
26 05 33 13-1849 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	34.60	
26 05 33 13-1850 EA 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	39.04	
26 05 33 13-1851 EA 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	48.95	
26 05 33 13-1852 EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	55.48	
<b>26 05 33 13-1853 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial</b> <small>(26 05 33 13-1773)</small>		
Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
<b>26 05 33 13-1854 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial</b> <small>(26 05 33 13-1853)</small>		
Note: Includes field bending for conduit up to 1".		
26 05 33 13-1855 LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	10.45	1.85
For >500 To 1,000, Deduct	-0.66	
For >1,000, Deduct	-0.92	
For >250 To 500, Deduct	-0.40	
26 05 33 13-1856 LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	11.78	2.29
For >500 To 1,000, Deduct	-0.75	
For >1,000, Deduct	-1.05	
For >250 To 500, Deduct	-0.46	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1857	LF		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	14.57	2.55
			For >500 To 1,000, Deduct	-0.94	
			For >1,000, Deduct	-1.30	
			For >250 To 500, Deduct	-0.57	
26 05 33 13-1858	LF		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	17.70	3.43
			For >500 To 1,000, Deduct	-1.15	
			For >1,000, Deduct	-1.59	
			For >250 To 500, Deduct	-0.71	
26 05 33 13-1859	LF		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	20.89	3.87
			For >500 To 1,000, Deduct	-1.37	
			For >1,000, Deduct	-1.89	
			For >250 To 500, Deduct	-0.85	
26 05 33 13-1860	LF		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	26.57	4.22
			For >500 To 1,000, Deduct	-1.75	
			For >1,000, Deduct	-2.42	
			For >250 To 500, Deduct	-1.09	
26 05 33 13-1861	LF		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	38.81	6.33
			For >500 To 1,000, Deduct	-2.58	
			For >1,000, Deduct	-3.55	
			For >250 To 500, Deduct	-1.61	
26 05 33 13-1862	LF		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	49.90	7.92
			For >500 To 1,000, Deduct	-3.30	
			For >1,000, Deduct	-4.55	
			For >250 To 500, Deduct	-2.06	
26 05 33 13-1863	LF		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	61.51	8.36
			For >500 To 1,000, Deduct	-4.06	
			For >1,000, Deduct	-5.60	
			For >250 To 500, Deduct	-2.53	
26 05 33 13-1864	LF		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	72.98	9.23
			For >500 To 1,000, Deduct	-4.81	
			For >1,000, Deduct	-6.64	
			For >250 To 500, Deduct	-2.99	
26 05 33 13-1865	LF		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	116.00	12.75
			For >500 To 1,000, Deduct	-7.86	
			For >1,000, Deduct	-10.76	
			For >250 To 500, Deduct	-4.96	
26 05 33 13-1866	LF		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	155.37	16.70
			For >500 To 1,000, Deduct	-10.60	
			For >1,000, Deduct	-14.48	
			For >250 To 500, Deduct	-6.71	

**26 05 33 13-1867 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial** (26 05 33 13-1853)

26 05 33 13-1868	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	11.20	2.64
26 05 33 13-1869	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	13.24	3.52
26 05 33 13-1870	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	16.85	4.39
26 05 33 13-1871	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	19.07	4.84
26 05 33 13-1872	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	22.61	5.72
26 05 33 13-1873	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	29.54	6.59
26 05 33 13-1874	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	56.29	7.92
26 05 33 13-1875	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	71.13	11.00
26 05 33 13-1876	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	88.54	12.75
26 05 33 13-1877	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	108.88	17.59
26 05 33 13-1878	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	288.54	24.18
26 05 33 13-1879	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	295.56	13.63

**26 05 33 13-1880 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial** (26 05 33 13-1853)

Note: 90, 45, or 30 degree.

26 05 33 13-1881	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	42.74	11.00
26 05 33 13-1882	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	48.81	13.63
26 05 33 13-1883	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	58.13	16.70
26 05 33 13-1884	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	69.06	19.34
26 05 33 13-1885	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	81.29	21.98
26 05 33 13-1886	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	100.45	24.18
26 05 33 13-1887	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	158.80	30.34
26 05 33 13-1888	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	239.46	41.33
26 05 33 13-1889	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	298.97	46.60
26 05 33 13-1890	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	338.86	60.67
26 05 33 13-1891	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	722.00	98.93
26 05 33 13-1892	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	1,139.74	148.61

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

<b>26 05 33 13-1893</b>		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1893)</small>		
26 05 33 13-1894	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial .....	107.06	16.70
26 05 33 13-1895	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial .....	120.14	19.34
26 05 33 13-1896	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial .....	137.21	21.98
26 05 33 13-1897	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial .....	164.98	24.18
26 05 33 13-1898	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial .....	231.84	30.34
<b>26 05 33 13-1899</b>		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1899)</small>		
26 05 33 13-1900	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial .....	120.29	16.70
26 05 33 13-1901	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial .....	142.00	19.34
26 05 33 13-1902	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial .....	152.89	21.98
26 05 33 13-1903	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial .....	199.16	24.18
26 05 33 13-1904	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial .....	264.80	30.34
26 05 33 13-1905	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial .....	337.21	41.33
<b>26 05 33 13-1906</b>		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1906)</small>		
26 05 33 13-1907	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial .....	136.11	16.70
26 05 33 13-1908	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial .....	153.39	19.34
26 05 33 13-1909	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial .....	173.00	21.98
26 05 33 13-1910	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial .....	210.50	24.18
26 05 33 13-1911	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial .....	302.67	30.34
26 05 33 13-1912	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial .....	381.68	41.33
26 05 33 13-1913	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial .....	485.20	46.60
26 05 33 13-1914	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial .....	541.74	60.67
<b>26 05 33 13-1915</b>		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1915)</small>		
26 05 33 13-1916	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial .....	163.43	16.70
26 05 33 13-1917	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial .....	180.11	19.34
26 05 33 13-1918	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial .....	203.35	21.98
26 05 33 13-1919	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial .....	254.19	24.18
26 05 33 13-1920	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial .....	370.46	30.34
26 05 33 13-1921	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial .....	457.02	41.33
26 05 33 13-1922	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial .....	531.20	46.60
26 05 33 13-1923	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial .....	626.19	60.67
<b>26 05 33 13-1924</b>		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1924)</small>		
26 05 33 13-1925	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial .....	184.70	16.70
26 05 33 13-1926	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial .....	205.00	19.34
26 05 33 13-1927	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial .....	233.22	21.98
26 05 33 13-1928	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial .....	292.23	24.18
26 05 33 13-1929	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial .....	407.45	30.34
26 05 33 13-1930	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial .....	517.28	41.33

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

HUMBOLDT STATE UNIVERSITY

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 13-1931	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial		643.04	46.60
26 05 33 13-1932	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial		703.71	60.67
26 05 33 13-1933	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial		1,174.56	98.93
<b>26 05 33 13-1934</b>		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1853)</small>			
26 05 33 13-1935	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial		212.50	16.70
26 05 33 13-1936	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial		235.05	19.34
26 05 33 13-1937	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial		265.96	21.98
26 05 33 13-1938	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial		334.42	24.18
26 05 33 13-1939	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial		469.08	30.34
26 05 33 13-1940	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial		594.06	41.33
26 05 33 13-1941	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial		699.08	46.60
26 05 33 13-1942	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial		803.79	60.67
26 05 33 13-1943	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial		1,244.70	98.93
26 05 33 13-1944	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial		1,693.94	148.61
<b>26 05 33 13-1945</b>		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1853)</small>			
26 05 33 13-1946	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial		251.21	16.70
26 05 33 13-1947	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial		261.85	19.34
26 05 33 13-1948	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial		309.78	21.98
26 05 33 13-1949	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial		393.15	24.18
26 05 33 13-1950	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial		552.18	30.34
26 05 33 13-1951	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial		697.56	41.33
26 05 33 13-1952	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial		854.89	46.60
26 05 33 13-1953	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial		998.47	60.67
26 05 33 13-1954	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial		1,473.47	98.93
26 05 33 13-1955	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial		1,798.95	148.61
<b>26 05 33 13-1956</b>		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1853)</small>			
26 05 33 13-1957	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial		260.54	16.70
26 05 33 13-1958	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial		307.18	19.34
26 05 33 13-1959	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial		347.67	21.98
26 05 33 13-1960	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial		410.82	24.18
26 05 33 13-1961	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial		572.94	30.34
26 05 33 13-1962	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial		729.39	41.33
26 05 33 13-1963	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial		939.75	46.60
26 05 33 13-1964	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial		1,042.63	60.67
26 05 33 13-1965	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial		1,534.93	98.93
26 05 33 13-1966	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial		1,852.31	148.61
<b>26 05 33 13-1967</b>		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial</b> <small>(26 05 33 13-1853)</small>			
26 05 33 13-1968	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial		83.85	11.00
26 05 33 13-1969	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial		90.25	13.63

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1970	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	117.87	16.70
26 05 33 13-1971	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial .....	174.60	19.34
26 05 33 13-1972	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial .....	207.90	21.98
26 05 33 13-1973	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	266.83	24.18
26 05 33 13-1974	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial .....	356.44	30.34
26 05 33 13-1975	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	468.43	30.34
26 05 33 13-1976	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial .....	599.01	46.60
26 05 33 13-1977	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	770.80	60.67
26 05 33 13-1978	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,411.75	98.93
26 05 33 13-1979	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,742.96	148.61
<b>26 05 33 13-1980 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial (26 05 33 13-1853)</b>					
26 05 33 13-1981	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	85.93	11.00
26 05 33 13-1982	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	98.21	13.63
26 05 33 13-1983	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	122.11	16.70
26 05 33 13-1984	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial .....	182.39	19.34
26 05 33 13-1985	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial .....	218.71	21.98
26 05 33 13-1986	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	290.17	24.18
26 05 33 13-1987	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial .....	406.39	30.34
26 05 33 13-1988	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	519.22	30.34
26 05 33 13-1989	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial .....	690.84	46.60
26 05 33 13-1990	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	862.30	60.67
26 05 33 13-1991	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,579.47	98.93
26 05 33 13-1992	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	2,013.77	148.61
<b>26 05 33 13-1993 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial (26 05 33 13-1853)</b>					
26 05 33 13-1994	EA		1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	28.10	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.17	
26 05 33 13-1995	EA		3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	31.07	6.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96	
26 05 33 13-1996	EA		1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.56	8.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 33 13-1997	EA		1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	42.54	9.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	
26 05 33 13-1998	EA		1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	45.95	11.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 05 33 13-1999	EA		1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	31.23	5.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.43	
26 05 33 13-2000	EA		3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	33.47	6.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96	
26 05 33 13-2001	EA		1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.99	8.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 33 13-2002	EA		1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	45.11	9.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	
26 05 33 13-2003	EA		1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	48.71	11.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 05 33 13-2004	EA		2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	52.55	12.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 05 33 13-2005	EA		1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	31.40	5.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.43	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2006	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	33.64	6.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96	
26 05 33	13-2007	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	38.30	8.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 33	13-2008	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	45.44	9.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	
26 05 33	13-2009	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	49.04	11.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 05 33	13-2010	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	53.41	12.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 05 33	13-2011	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	33.67	5.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.43	
26 05 33	13-2012	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.91	6.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96	
26 05 33	13-2013	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	40.74	8.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 33	13-2014	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	46.83	9.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	
26 05 33	13-2015	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	50.58	11.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 05 33	13-2016	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	56.09	12.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 05 33	13-2017	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	79.85	14.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.97	
26 05 33	13-2018	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	102.44	20.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.40	
26 05 33	13-2019	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	33.84	5.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.43	
26 05 33	13-2020	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	36.23	6.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96	
26 05 33	13-2021	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	41.08	8.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 33	13-2022	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	48.22	9.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	
26 05 33	13-2023	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	52.11	11.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 05 33	13-2024	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	58.78	12.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 05 33	13-2025	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	82.23	14.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.97	
26 05 33	13-2026	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	107.55	20.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.40	
26 05 33	13-2027	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	129.20	23.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.98	
26 05 33	13-2028	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	149.04	30.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.20	
26 05 33	13-2029	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	34.15	5.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.43	
26 05 33	13-2030	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	36.56	6.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96	
26 05 33	13-2031	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	41.44	8.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 33	13-2032	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	48.87	9.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	
26 05 33	13-2033	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	52.78	11.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 05 33	13-2034	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	60.24	12.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 05 33	13-2035	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	91.67	14.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2036	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	115.20	20.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.40	
26 05 33	13-2037	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	130.83	23.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.98	
26 05 33	13-2038	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	153.40	30.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.20	
26 05 33	13-2039	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	227.78	41.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.06	
26 05 33	13-2040	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	34.75	5.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.43	
26 05 33	13-2041	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.16	6.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96	
26 05 33	13-2042	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	42.08	8.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 33	13-2043	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	50.07	9.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	
26 05 33	13-2044	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	54.22	11.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 05 33	13-2045	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	61.70	12.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 05 33	13-2046	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	101.26	14.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.97	
26 05 33	13-2047	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	125.36	20.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.40	
26 05 33	13-2048	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	139.99	23.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.98	
26 05 33	13-2049	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	168.84	30.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.20	
26 05 33	13-2050	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	250.87	41.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.06	
26 05 33	13-2051	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.69	5.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.43	
26 05 33	13-2052	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	38.07	6.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96	
26 05 33	13-2053	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	43.52	8.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 33	13-2054	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	50.38	9.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	
26 05 33	13-2055	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	57.14	11.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 05 33	13-2056	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	68.85	12.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 05 33	13-2057	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	113.05	14.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.97	
26 05 33	13-2058	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	139.26	20.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.40	
26 05 33	13-2059	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	162.90	23.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.98	
26 05 33	13-2060	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	192.02	30.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.20	
26 05 33	13-2061	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	266.69	41.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.06	
26 05 33	13-2062	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	36.67	5.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.43	
26 05 33	13-2063	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	39.03	6.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96	
26 05 33	13-2064	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	44.94	8.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 33	13-2065	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	54.70	9.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2066	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	64.10	11.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 05 33	13-2067	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	79.34	12.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 05 33	13-2068	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	125.52	14.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.97	
26 05 33	13-2069	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	157.07	20.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.40	
26 05 33	13-2070	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	186.97	23.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.98	
26 05 33	13-2071	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	232.58	30.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.20	
26 05 33	13-2072	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	298.26	41.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.06	
26 05 33	13-2073	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.68	5.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.43	
26 05 33	13-2074	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	40.16	6.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96	
26 05 33	13-2075	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	48.53	8.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 33	13-2076	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	61.79	9.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	
26 05 33	13-2077	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	72.51	11.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 05 33	13-2078	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	87.78	12.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 05 33	13-2079	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	142.15	14.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.97	
26 05 33	13-2080	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	183.78	20.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.40	
26 05 33	13-2081	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	201.74	23.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.98	
26 05 33	13-2082	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	245.02	30.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.20	
26 05 33	13-2083	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	302.76	41.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.06	
26 05 33	13-2084		<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit</b> <small>(26 05 33 13-1773)</small> Note: Direct burial or encased application.		
26 05 33	13-2085		<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit</b> <small>(26 05 33 13-2084)</small>		
26 05 33	13-2086	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	5.40	1.08
			<i>For Work In Restricted Working Space, Add</i>	0.82	
26 05 33	13-2087	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	5.95	1.17
			<i>For Work In Restricted Working Space, Add</i>	0.88	
26 05 33	13-2088	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	6.33	1.25
			<i>For Work In Restricted Working Space, Add</i>	0.94	
26 05 33	13-2089	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	6.72	1.34
			<i>For Work In Restricted Working Space, Add</i>	1.01	
26 05 33	13-2090	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	7.20	1.42
			<i>For Work In Restricted Working Space, Add</i>	1.07	
26 05 33	13-2091	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	7.50	1.50
			<i>For Work In Restricted Working Space, Add</i>	1.13	
26 05 33	13-2092	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	8.45	1.59
			<i>For Work In Restricted Working Space, Add</i>	1.19	
26 05 33	13-2093	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	9.55	1.67
			<i>For Work In Restricted Working Space, Add</i>	1.25	
26 05 33	13-2094	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	10.43	1.75
			<i>For Work In Restricted Working Space, Add</i>	1.32	
26 05 33	13-2095	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	11.31	1.84
			<i>For Work In Restricted Working Space, Add</i>	1.38	
26 05 33	13-2096	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	13.20	1.92
			<i>For Work In Restricted Working Space, Add</i>	1.44	
26 05 33	13-2097	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	15.51	2.00
			<i>For Work In Restricted Working Space, Add</i>	1.51	
26 05 33	13-2098		<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows</b> <small>(26 05 33 13-2084)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2099	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	70.46	8.36
			<i>For Work In Restricted Working Space, Add</i>	6.27	
			<i>For 24" Radius, Add</i>	4.76	
			<i>For 36" Radius, Add</i>	7.05	
			<i>For 48" Radius, Add</i>	9.33	
26 05 33	13-2100	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	80.57	10.03
			<i>For Work In Restricted Working Space, Add</i>	7.52	
			<i>For 24" Radius, Add</i>	5.42	
			<i>For 36" Radius, Add</i>	8.06	
			<i>For 48" Radius, Add</i>	10.70	
26 05 33	13-2101	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	85.31	11.71
			<i>For Work In Restricted Working Space, Add</i>	8.78	
			<i>For 24" Radius, Add</i>	5.67	
			<i>For 36" Radius, Add</i>	8.53	
			<i>For 48" Radius, Add</i>	11.40	
26 05 33	13-2102	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	90.05	13.38
			<i>For Work In Restricted Working Space, Add</i>	10.04	
			<i>For 24" Radius, Add</i>	5.92	
			<i>For 36" Radius, Add</i>	9.01	
			<i>For 48" Radius, Add</i>	12.09	
26 05 33	13-2103	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	94.79	15.05
			<i>For Work In Restricted Working Space, Add</i>	11.29	
			<i>For 24" Radius, Add</i>	6.17	
			<i>For 36" Radius, Add</i>	9.48	
			<i>For 48" Radius, Add</i>	12.79	
26 05 33	13-2104	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	106.85	16.73
			<i>For Work In Restricted Working Space, Add</i>	12.54	
			<i>For 24" Radius, Add</i>	6.97	
			<i>For 36" Radius, Add</i>	10.69	
			<i>For 48" Radius, Add</i>	14.40	
26 05 33	13-2105	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	123.84	18.40
			<i>For Work In Restricted Working Space, Add</i>	13.80	
			<i>For 24" Radius, Add</i>	8.14	
			<i>For 36" Radius, Add</i>	12.38	
			<i>For 48" Radius, Add</i>	16.63	
26 05 33	13-2106	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	143.59	20.07
			<i>For Work In Restricted Working Space, Add</i>	15.05	
			<i>For 24" Radius, Add</i>	9.52	
			<i>For 36" Radius, Add</i>	14.36	
			<i>For 48" Radius, Add</i>	19.20	
26 05 33	13-2107	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	163.64	23.41
			<i>For Work In Restricted Working Space, Add</i>	17.56	
			<i>For 24" Radius, Add</i>	10.81	
			<i>For 36" Radius, Add</i>	16.36	
			<i>For 48" Radius, Add</i>	21.92	
26 05 33	13-2108	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	183.67	30.10
			<i>For Work In Restricted Working Space, Add</i>	20.07	
			<i>For 24" Radius, Add</i>	12.10	
			<i>For 36" Radius, Add</i>	18.37	
			<i>For 48" Radius, Add</i>	24.63	
26 05 33	13-2109	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	221.23	30.10
			<i>For Work In Restricted Working Space, Add</i>	22.58	
			<i>For 24" Radius, Add</i>	14.71	
			<i>For 36" Radius, Add</i>	22.12	
			<i>For 48" Radius, Add</i>	29.54	
26 05 33	13-2110	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	266.09	33.45
			<i>For Work In Restricted Working Space, Add</i>	25.09	
			<i>For 24" Radius, Add</i>	17.87	
			<i>For 36" Radius, Add</i>	26.61	
			<i>For 48" Radius, Add</i>	35.35	
26 05 33	13-2111		<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings</b> <small>(26 05 33 13-2084)</small>		
26 05 33	13-2112	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	32.23	4.68
			<i>For Work In Restricted Working Space, Add</i>	3.51	
26 05 33	13-2113	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	36.25	5.35
			<i>For Work In Restricted Working Space, Add</i>	4.01	
26 05 33	13-2114	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	38.15	6.02
			<i>For Work In Restricted Working Space, Add</i>	4.52	
26 05 33	13-2115	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	40.03	6.69
			<i>For Work In Restricted Working Space, Add</i>	5.02	
26 05 33	13-2116	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	42.16	7.36
			<i>For Work In Restricted Working Space, Add</i>	5.52	
26 05 33	13-2117	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	48.37	8.03
			<i>For Work In Restricted Working Space, Add</i>	6.02	
26 05 33	13-2118	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	56.64	9.03
			<i>For Work In Restricted Working Space, Add</i>	6.77	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-2119	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	65.95	10.03
		<i>For Work In Restricted Working Space, Add</i>	7.52	
26 05 33 13-2120	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	75.24	11.71
		<i>For Work In Restricted Working Space, Add</i>	8.78	
26 05 33 13-2121	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	84.54	13.38
		<i>For Work In Restricted Working Space, Add</i>	10.04	
26 05 33 13-2122	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	101.49	15.05
		<i>For Work In Restricted Working Space, Add</i>	11.29	
26 05 33 13-2123	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	121.61	16.73
		<i>For Work In Restricted Working Space, Add</i>	12.54	

**26 05 33 13-2124 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings**

(26 05 33 13-2084)

26 05 33 13-2125	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	23.29	4.68
		<i>For Work In Restricted Working Space, Add</i>	3.51	
26 05 33 13-2126	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	26.24	5.35
		<i>For Work In Restricted Working Space, Add</i>	4.01	
26 05 33 13-2127	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	28.05	6.02
		<i>For Work In Restricted Working Space, Add</i>	4.52	
26 05 33 13-2128	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	29.87	6.69
		<i>For Work In Restricted Working Space, Add</i>	5.02	
26 05 33 13-2129	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	31.67	7.36
		<i>For Work In Restricted Working Space, Add</i>	5.52	
26 05 33 13-2130	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	33.42	8.03
		<i>For Work In Restricted Working Space, Add</i>	6.02	
26 05 33 13-2131	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	38.60	9.03
		<i>For Work In Restricted Working Space, Add</i>	6.77	
26 05 33 13-2132	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	44.31	10.03
		<i>For Work In Restricted Working Space, Add</i>	7.52	
26 05 33 13-2133	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	50.89	11.71
		<i>For Work In Restricted Working Space, Add</i>	8.78	
26 05 33 13-2134	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	57.49	13.38
		<i>For Work In Restricted Working Space, Add</i>	10.04	
26 05 33 13-2135	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	67.70	15.05
		<i>For Work In Restricted Working Space, Add</i>	11.29	
26 05 33 13-2136	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	79.37	16.73
		<i>For Work In Restricted Working Space, Add</i>	12.54	

**26 05 33 13-2137 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings**

(26 05 33 13-2084)

26 05 33 13-2138	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	21.08	2.68
		<i>For Work In Restricted Working Space, Add</i>	2.01	
26 05 33 13-2139	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	23.53	3.01
		<i>For Work In Restricted Working Space, Add</i>	2.26	
26 05 33 13-2140	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	24.53	3.35
		<i>For Work In Restricted Working Space, Add</i>	2.51	
26 05 33 13-2141	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	25.47	3.68
		<i>For Work In Restricted Working Space, Add</i>	2.76	
26 05 33 13-2142	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	26.67	4.02
		<i>For Work In Restricted Working Space, Add</i>	3.01	
26 05 33 13-2143	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	31.52	4.68
		<i>For Work In Restricted Working Space, Add</i>	3.51	
26 05 33 13-2144	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	37.97	5.68
		<i>For Work In Restricted Working Space, Add</i>	4.26	
26 05 33 13-2145	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	45.24	6.69
		<i>For Work In Restricted Working Space, Add</i>	5.02	
26 05 33 13-2146	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	52.97	8.36
		<i>For Work In Restricted Working Space, Add</i>	6.27	
26 05 33 13-2147	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	60.72	10.03
		<i>For Work In Restricted Working Space, Add</i>	7.52	
26 05 33 13-2148	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	73.79	11.71
		<i>For Work In Restricted Working Space, Add</i>	8.78	
26 05 33 13-2149	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	89.13	13.38
		<i>For Work In Restricted Working Space, Add</i>	10.04	

**26 05 33 13-2150 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints**

(26 05 33 13-2084)

26 05 33 13-2151	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	57.67	16.73
		<i>For Work In Restricted Working Space, Add</i>	12.54	
26 05 33 13-2152	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	67.76	20.07
		<i>For Work In Restricted Working Space, Add</i>	15.05	
26 05 33 13-2153	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	76.33	23.41
		<i>For Work In Restricted Working Space, Add</i>	17.56	
26 05 33 13-2154	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	84.80	26.76
		<i>For Work In Restricted Working Space, Add</i>	20.07	
26 05 33 13-2155	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	89.38	28.43
		<i>For Work In Restricted Working Space, Add</i>	21.32	
26 05 33 13-2156	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	97.06	30.10
		<i>For Work In Restricted Working Space, Add</i>	22.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2157	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	105.60 23.83	31.78
26 05 33	13-2158	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	115.01 25.09	33.45
26 05 33	13-2159	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	123.12 26.34	35.12
26 05 33	13-2160	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	131.22 27.59	36.79
26 05 33	13-2161	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	145.22 28.85	38.46
26 05 33	13-2162	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	161.66 30.11	40.14
<b>26 05 33 13-2163 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints <small>(26 05 33 13-2084)</small></b>					
26 05 33	13-2164	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	64.11 12.54	16.73
26 05 33	13-2165	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	74.99 15.05	20.07
26 05 33	13-2166	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	83.59 17.56	23.41
26 05 33	13-2167	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	92.13 20.07	26.76
26 05 33	13-2168	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	96.78 21.32	28.43
26 05 33	13-2169	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	105.51 22.58	30.10
26 05 33	13-2170	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	115.74 23.83	31.78
26 05 33	13-2171	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	127.18 25.09	33.45
26 05 33	13-2172	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	136.81 26.34	35.12
26 05 33	13-2173	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	146.44 27.59	36.79
26 05 33	13-2174	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	164.29 28.85	38.46
26 05 33	13-2175	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	185.50 30.11	40.14
<b>26 05 33 13-2176 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters <small>(26 05 33 13-2084)</small></b>					
26 05 33	13-2177	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	64.74 3.51	4.68
26 05 33	13-2178	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	72.29 4.01	5.35
26 05 33	13-2179	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	75.77 4.52	6.02
26 05 33	13-2180	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	79.34 5.02	6.69
26 05 33	13-2181	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	81.99 5.52	7.36
26 05 33	13-2182	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	89.71 6.02	8.03
26 05 33	13-2183	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	106.16 6.77	9.03
26 05 33	13-2184	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	125.31 7.52	10.03
26 05 33	13-2185	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	142.03 8.78	11.71
26 05 33	13-2186	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	158.75 10.04	13.38
26 05 33	13-2187	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	194.31 11.29	15.05
26 05 33	13-2188	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	236.44 12.54	16.73
<b>26 05 33 13-2189 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints <small>(26 05 33 13-2084)</small></b>					
26 05 33	13-2190	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	75.31 12.54	16.73
26 05 33	13-2191	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	87.40 15.05	20.07
26 05 33	13-2192	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	104.53 17.56	23.41
26 05 33	13-2193	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	128.90 20.07	26.76
26 05 33	13-2194	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	156.08 21.32	28.43

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2195	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	201.25	30.10
			<i>For Work In Restricted Working Space, Add</i>	22.58	
26 05 33	13-2196	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	277.69	31.78
			<i>For Work In Restricted Working Space, Add</i>	23.83	
26 05 33	13-2197	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	329.45	33.45
			<i>For Work In Restricted Working Space, Add</i>	25.09	
26 05 33	13-2198	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	390.13	35.12
			<i>For Work In Restricted Working Space, Add</i>	26.34	
26 05 33	13-2199	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	450.82	36.79
			<i>For Work In Restricted Working Space, Add</i>	27.59	
26 05 33	13-2200	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	522.41	38.46
			<i>For Work In Restricted Working Space, Add</i>	28.85	
26 05 33	13-2201	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	823.97	40.14
			<i>For Work In Restricted Working Space, Add</i>	30.11	
<b>26 05 33</b>	<b>13-2202</b>		<b>Spacers</b> <small>(26 05 33 13-1773)</small> Note: For concrete encasement applications. See CSI section 03 31 13 00-0039 for concrete., 26 05 33 13-1773 for conduit.		
26 05 33	13-2203	EA	1" Base Spacers, Average 4" Wide, Direct Burial .....	8.93	
26 05 33	13-2204	EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial.....	9.58	
26 05 33	13-2205	EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial .....	10.60	
26 05 33	13-2206	EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial.....	11.40	
26 05 33	13-2207	EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial .....	10.70	
26 05 33	13-2208	EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	11.47	
26 05 33	13-2209	EA	2" Base Spacer, Average 4" Wide, Direct Burial .....	13.27	
26 05 33	13-2210	EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	12.32	
26 05 33	13-2211	EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial .....	14.66	
26 05 33	13-2212	EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	14.18	
26 05 33	13-2213	EA	3" Base Spacer, Average 4" Wide, Direct Burial .....	16.76	
26 05 33	13-2214	EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial.....	16.01	
26 05 33	13-2215	EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial .....	18.16	
26 05 33	13-2216	EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	17.36	
26 05 33	13-2217	EA	4" Base Spacer, Average 4" Wide, Direct Burial .....	18.72	
26 05 33	13-2218	EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial.....	17.86	
26 05 33	13-2219	EA	5" Base Spacer, Average 4" Wide, Direct Burial .....	20.69	
26 05 33	13-2220	EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial.....	19.68	
26 05 33	13-2221	EA	6" Base Spacer, Average 4" Wide, Direct Burial .....	23.42	
26 05 33	13-2222	EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial.....	22.55	
<b>26 05 33</b>	<b>13-2223</b>		<b>Conduit Field Bending</b> <small>(26 05 33 13-0057)</small>		
<b>26 05 33</b>	<b>13-2224</b>		<b>Metallic Conduit Field Bending</b> <small>(26 05 33 13-2223)</small> Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.		
26 05 33	13-2225	EA	1-1/4" Metallic Conduit Field Bending .....	14.91	
26 05 33	13-2226	EA	1-1/2" Metallic Conduit Field Bending .....	19.89	
26 05 33	13-2227	EA	2" Metallic Conduit Field Bending .....	24.85	
26 05 33	13-2228	EA	2-1/2" Metallic Conduit Field Bending .....	34.80	
26 05 33	13-2229	EA	3" Metallic Conduit Field Bending .....	44.74	
26 05 33	13-2230	EA	3-1/2" Metallic Conduit Field Bending .....	54.68	
26 05 33	13-2231	EA	4" Metallic Conduit Field Bending .....	64.63	
26 05 33	13-2232	EA	5" Metallic Conduit Field Bending .....	79.54	
26 05 33	13-2233	EA	6" Metallic Conduit Field Bending .....	94.45	
<b>26 05 33</b>	<b>13-2234</b>		<b>Plastic Conduit Field Bending</b> <small>(26 05 33 13-2223)</small> Note: For PVC conduits.		
26 05 33	13-2235	EA	1" Plastic Conduit Field Bending .....	22.87	
26 05 33	13-2236	EA	1-1/4" Plastic Conduit Field Bending .....	24.85	
26 05 33	13-2237	EA	1-1/2" Plastic Conduit Field Bending .....	29.83	
26 05 33	13-2238	EA	2" Plastic Conduit Field Bending .....	39.76	
26 05 33	13-2239	EA	2-1/2" Plastic Conduit Field Bending .....	49.71	
26 05 33	13-2240	EA	3" Plastic Conduit Field Bending .....	59.65	
26 05 33	13-2241	EA	3-1/2" Plastic Conduit Field Bending .....	69.60	
26 05 33	13-2242	EA	4" Plastic Conduit Field Bending .....	79.54	
26 05 33	13-2243	EA	5" Plastic Conduit Field Bending .....	89.48	
26 05 33	13-2244	EA	6" Plastic Conduit Field Bending .....	99.43	
<b>26 05 33</b>	<b>13-2245</b>		<b>Cut And Thread Existing In-Place Threaded Conduit</b> <small>(26 05 33 13-0057)</small> Note: For use when connecting conduit to an existing in-place system.		
26 05 33	13-2246	EA	1/2", Cut And Thread Existing In-Place Threaded Conduit .....	28.94	
			<i>For Work In Restricted Working Space, Add</i>	8.68	
26 05 33	13-2247	EA	3/4", Cut And Thread Existing In-Place Threaded Conduit .....	31.83	
			<i>For Work In Restricted Working Space, Add</i>	9.55	
26 05 33	13-2248	EA	1", Cut And Thread Existing In-Place Threaded Conduit .....	34.73	
			<i>For Work In Restricted Working Space, Add</i>	10.42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2249 EA 1-1/4", Cut And Thread Existing In-Place Threaded Conduit <i>For Work In Restricted Working Space, Add</i>	37.62 11.29	
26 05 33 13-2250 EA 1-1/2", Cut And Thread Existing In-Place Threaded Conduit <i>For Work In Restricted Working Space, Add</i>	39.55 11.87	
26 05 33 13-2251 EA 2", Cut And Thread Existing In-Place Threaded Conduit <i>For Work In Restricted Working Space, Add</i>	41.48 12.44	
26 05 33 13-2252 EA 2-1/2", Cut And Thread Existing In-Place Threaded Conduit <i>For Work In Restricted Working Space, Add</i>	43.41 13.02	
26 05 33 13-2253 EA 3", Cut And Thread Existing In-Place Threaded Conduit <i>For Work In Restricted Working Space, Add</i>	45.34 13.60	
26 05 33 13-2254 EA 3-1/2", Cut And Thread Existing In-Place Threaded Conduit <i>For Work In Restricted Working Space, Add</i>	46.30 13.89	
26 05 33 13-2255 EA 4", Cut And Thread Existing In-Place Threaded Conduit <i>For Work In Restricted Working Space, Add</i>	47.27 14.18	
26 05 33 13-2256 EA 5", Cut And Thread Existing In-Place Threaded Conduit <i>For Work In Restricted Working Space, Add</i>	49.20 14.76	
26 05 33 13-2257 EA 6", Cut And Thread Existing In-Place Threaded Conduit <i>For Work In Restricted Working Space, Add</i>	51.13 15.34	
<b>26 05 33 13-2258 Flexible Conduit</b> <small>(26 05 33 13-0057)</small>		
<b>26 05 33 13-2259 Flexible Liquid Tight Metallic Conduit And Connectors</b> <small>(26 05 33 13-2258)</small> Note: Steel inner core with PVC cover.		
<b>26 05 33 13-2260 Flexible Liquid Tight Metallic Conduit</b> <small>(26 05 33 13-2259)</small>		
26 05 33 13-2261 LF 3/8" Flexible Liquid Tight Metallic Conduit <i>For Work In Restricted Working Space, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	3.65 0.79 0.40	1.05
26 05 33 13-2262 LF 1/2" Flexible Liquid Tight Metallic Conduit <i>For Work In Restricted Working Space, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	3.80 0.79 0.40	1.05
26 05 33 13-2263 LF 3/4" Flexible Liquid Tight Metallic Conduit <i>For Work In Restricted Working Space, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	5.09 1.06 0.53	1.40
26 05 33 13-2264 LF 1" Flexible Liquid Tight Metallic Conduit <i>For Work In Restricted Working Space, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	5.89 1.06 0.53	1.40
26 05 33 13-2265 LF 1-1/4" Flexible Liquid Tight Metallic Conduit <i>For Work In Restricted Working Space, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	7.62 1.32 0.66	1.76
26 05 33 13-2266 LF 1-1/2" Flexible Liquid Tight Metallic Conduit <i>For Work In Restricted Working Space, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	9.82 1.58 0.79	2.11
26 05 33 13-2267 LF 2" Flexible Liquid Tight Metallic Conduit <i>For Work In Restricted Working Space, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	12.91 2.11 1.05	2.81
26 05 33 13-2268 LF 2-1/2" Flexible Liquid Tight Metallic Conduit <i>For Work In Restricted Working Space, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	17.62 2.38 1.19	3.17
26 05 33 13-2269 LF 3" Flexible Liquid Tight Metallic Conduit <i>For Work In Restricted Working Space, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	25.99 2.90 1.45	3.87
26 05 33 13-2270 LF 4" Flexible Liquid Tight Metallic Conduit <i>For Work In Restricted Working Space, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	35.60 3.69 1.85	4.93
<b>26 05 33 13-2271 Straight Liquid Tight Connector</b> <small>(26 05 33 13-2259)</small>		
26 05 33 13-2272 EA 3/8" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.91 2.11 2.11	2.81
26 05 33 13-2273 EA 1/2" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.91 2.11 2.11	2.81
26 05 33 13-2274 EA 3/4" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.04 2.38 2.38	3.17
26 05 33 13-2275 EA 1" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.15 2.64 2.64	3.52
26 05 33 13-2276 EA 1-1/4" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.80 2.90 2.90	3.87
26 05 33 13-2277 EA 1-1/2" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.42 3.17 3.17	4.22
26 05 33 13-2278 EA 2" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.49 3.69 3.69	4.93
26 05 33 13-2279 EA 2-1/2" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.62 4.75 4.75	6.33
26 05 33 13-2280 EA 3" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.09 5.01 5.01	6.68
26 05 33 13-2281 EA 4" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.26 7.39 7.39	9.85

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-2282	<b>90 Degree Angle Liquid Tight Connector</b> (26 05 33 13-2259)		
26 05 33 13-2283	EA 3/8" 90 Degree Angle Liquid Tight Connector.....	14.48	3.87
	For Work In Restricted Working Space, Add	2.90	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.90	
26 05 33 13-2284	EA 1/2" 90 Degree Angle Liquid Tight Connector.....	15.10	3.87
	For Work In Restricted Working Space, Add	2.90	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.90	
26 05 33 13-2285	EA 3/4" 90 Degree Angle Liquid Tight Connector.....	17.08	4.22
	For Work In Restricted Working Space, Add	3.17	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.17	
26 05 33 13-2286	EA 1" 90 Degree Angle Liquid Tight Connector.....	24.18	4.93
	For Work In Restricted Working Space, Add	3.69	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.69	
26 05 33 13-2287	EA 1-1/4" 90 Degree Angle Liquid Tight Connector.....	30.55	5.28
	For Work In Restricted Working Space, Add	3.96	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.96	
26 05 33 13-2288	EA 1-1/2" 90 Degree Angle Liquid Tight Connector.....	37.12	5.63
	For Work In Restricted Working Space, Add	4.22	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
26 05 33 13-2289	EA 2" 90 Degree Angle Liquid Tight Connector.....	49.21	6.33
	For Work In Restricted Working Space, Add	4.75	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.75	
26 05 33 13-2290	EA 2-1/2" 90 Degree Angle Liquid Tight Connector.....	175.68	6.68
	For Work In Restricted Working Space, Add	5.01	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.01	
26 05 33 13-2291	EA 3" 90 Degree Angle Liquid Tight Connector.....	207.61	7.73
	For Work In Restricted Working Space, Add	5.80	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.80	
26 05 33 13-2292	EA 4" 90 Degree Angle Liquid Tight Connector.....	287.06	12.31
	For Work In Restricted Working Space, Add	9.23	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 05 33 13-2293	<b>45 Degree Angle Connector</b> (26 05 33 13-2259)		
26 05 33 13-2294	EA 3/8" 45 Degree Angle Liquid Tight Connector.....	14.27	3.87
	For Work In Restricted Working Space, Add	2.90	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.90	
26 05 33 13-2295	EA 1/2" 45 Degree Angle Liquid Tight Connector.....	14.42	3.87
	For Work In Restricted Working Space, Add	2.90	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.90	
26 05 33 13-2296	EA 3/4" 45 Degree Angle Liquid Tight Connector.....	17.08	4.22
	For Work In Restricted Working Space, Add	3.17	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.17	
26 05 33 13-2297	EA 1" 45 Degree Angle Liquid Tight Connector.....	25.87	4.93
	For Work In Restricted Working Space, Add	3.69	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.69	
26 05 33 13-2298	EA 1-1/4" 45 Degree Angle Liquid Tight Connector.....	29.45	5.28
	For Work In Restricted Working Space, Add	3.96	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.96	
26 05 33 13-2299	EA 1-1/2" 45 Degree Angle Liquid Tight Connector.....	33.02	5.63
	For Work In Restricted Working Space, Add	4.22	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
26 05 33 13-2300	<b>Flexible Metallic Conduit And Connectors</b> (26 05 33 13-2258)		
26 05 33 13-2301	<b>Flexible Steel Conduit</b> (26 05 33 13-2300)		
26 05 33 13-2302	LF 3/8" Flexible Metallic Conduit.....	3.52	1.15
	For Installation In Wood Stud Wall (Includes Drilling), Add	0.71	
	For Installation In Metal Stud Wall, Add	0.28	
	For Work In Restricted Working Space, Add	0.85	
	For Flexible Aluminum Conduit, Add	0.12	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.42	
26 05 33 13-2303	LF 1/2" Flexible Metallic Conduit.....	3.66	1.15
	For Installation In Wood Stud Wall (Includes Drilling), Add	0.72	
	For Installation In Metal Stud Wall, Add	0.29	
	For Work In Restricted Working Space, Add	0.87	
	For Flexible Aluminum Conduit, Add	0.13	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.43	
26 05 33 13-2304	LF 3/4" Flexible Metallic Conduit.....	4.18	1.54
	For Installation In Wood Stud Wall (Includes Drilling), Add	0.78	
	For Installation In Metal Stud Wall, Add	0.31	
	For Work In Restricted Working Space, Add	0.94	
	For Flexible Aluminum Conduit, Add	0.17	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.47	
26 05 33 13-2305	LF 1" Flexible Metallic Conduit.....	5.32	1.54
	For Installation In Wood Stud Wall (Includes Drilling), Add	0.84	
	For Installation In Metal Stud Wall, Add	0.34	
	For Work In Restricted Working Space, Add	1.01	
	For Flexible Aluminum Conduit, Add	0.32	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.51	
26 05 33 13-2306	LF 1-1/4" Flexible Metallic Conduit.....	6.10	1.93
	For Installation In Wood Stud Wall (Includes Drilling), Add	0.89	
	For Installation In Metal Stud Wall, Add	0.36	
	For Work In Restricted Working Space, Add	1.07	
	For Flexible Aluminum Conduit, Add	0.42	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2307	LF	1-1/2" Flexible Metallic Conduit.....	8.17	2.31
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.93	
			<i>For Installation In Metal Stud Wall, Add</i>	0.37	
			<i>For Work In Restricted Working Space, Add</i>	1.11	
			<i>For Flexible Aluminum Conduit, Add</i>	0.74	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.56	
26 05 33	13-2308	LF	2" Flexible Metallic Conduit.....	9.32	3.08
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.96	
			<i>For Installation In Metal Stud Wall, Add</i>	0.39	
			<i>For Work In Restricted Working Space, Add</i>	1.16	
			<i>For Flexible Aluminum Conduit, Add</i>	0.90	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.58	
26 05 33	13-2309	LF	2-1/2" Flexible Steel Conduit.....	11.43	3.47
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.20	
			<i>For Installation In Metal Stud Wall, Add</i>	0.48	
			<i>For Work In Restricted Working Space, Add</i>	1.44	
			<i>For Flexible Aluminum Conduit, Add</i>	1.09	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.72	
26 05 33	13-2310	LF	3" Flexible Metallic Conduit.....	17.28	4.23
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.45	
			<i>For Installation In Metal Stud Wall, Add</i>	0.58	
			<i>For Work In Restricted Working Space, Add</i>	1.73	
			<i>For Flexible Aluminum Conduit, Add</i>	1.90	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.87	
26 05 33	13-2311	LF	3-1/2" Flexible Metallic Conduit.....	21.24	4.62
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.69	
			<i>For Installation In Metal Stud Wall, Add</i>	0.67	
			<i>For Work In Restricted Working Space, Add</i>	2.02	
			<i>For Flexible Aluminum Conduit, Add</i>	2.39	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.01	
26 05 33	13-2312	LF	4" Flexible Metallic Conduit.....	24.43	5.40
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.93	
			<i>For Installation In Metal Stud Wall, Add</i>	0.77	
			<i>For Work In Restricted Working Space, Add</i>	2.31	
			<i>For Flexible Aluminum Conduit, Add</i>	2.76	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.16	
<b>26 05 33 13-2313 Plain Squeeze Type Straight Connector (26 05 33 13-2300)</b>					
26 05 33	13-2314	EA	3/8" Flexible Straight Connectors, Plain.....	6.10	3.08
			<i>For Work In Restricted Working Space, Add</i>	1.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.30	
26 05 33	13-2315	EA	1/2" Flexible Straight Connectors, Plain.....	7.61	3.47
			<i>For Work In Restricted Working Space, Add</i>	1.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.44	
26 05 33	13-2316	EA	3/4" Flexible Straight Connectors, Plain.....	8.73	4.23
			<i>For Work In Restricted Working Space, Add</i>	1.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.73	
26 05 33	13-2317	EA	1" Flexible Straight Connectors, Plain.....	14.18	4.62
			<i>For Work In Restricted Working Space, Add</i>	2.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.31	
26 05 33	13-2318	EA	1-1/4" Flexible Straight Connectors, Plain.....	20.24	5.40
			<i>For Work In Restricted Working Space, Add</i>	2.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.89	
26 05 33	13-2319	EA	1-1/2" Flexible Straight Connectors, Plain.....	26.76	6.55
			<i>For Work In Restricted Working Space, Add</i>	3.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.61	
26 05 33	13-2320	EA	2" Flexible Straight Connectors, Plain.....	35.39	6.55
			<i>For Work In Restricted Working Space, Add</i>	4.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.33	
26 05 33	13-2321	EA	2-1/2" Flexible Straight Connectors, Plain.....	58.00	8.08
			<i>For Work In Restricted Working Space, Add</i>	5.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.06	
26 05 33	13-2322	EA	3" Flexible Straight Connectors, Plain.....	76.29	8.85
			<i>For Work In Restricted Working Space, Add</i>	5.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.78	
26 05 33	13-2323	EA	3-1/2" Flexible Straight Connectors, Plain.....	242.27	10.40
			<i>For Work In Restricted Working Space, Add</i>	6.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.50	
26 05 33	13-2324	EA	4" Flexible Straight Connectors, Plain.....	303.16	12.71
			<i>For Work In Restricted Working Space, Add</i>	7.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.22	
<b>26 05 33 13-2325 Insulated Throat Squeeze Type Straight Connector (26 05 33 13-2300)</b>					
26 05 33	13-2326	EA	1/2" Flexible Straight Connectors, Insulated.....	8.58	3.47
			<i>For Work In Restricted Working Space, Add</i>	1.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.44	
26 05 33	13-2327	EA	3/4" Flexible Straight Connectors, Insulated.....	10.00	4.23
			<i>For Work In Restricted Working Space, Add</i>	1.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.73	
26 05 33	13-2328	EA	1" Flexible Straight Connectors, Insulated.....	15.90	4.62
			<i>For Work In Restricted Working Space, Add</i>	2.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.31	
26 05 33	13-2329	EA	1-1/4" Flexible Straight Connectors, Insulated.....	23.40	5.40
			<i>For Work In Restricted Working Space, Add</i>	2.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.89	
26 05 33	13-2330	EA	1-1/2" Flexible Straight Connectors, Insulated.....	32.39	5.78
			<i>For Work In Restricted Working Space, Add</i>	3.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.61	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2331	EA		2" Flexible Straight Connectors, Insulated .....	45.33	6.55
			<i>For Work In Restricted Working Space, Add</i>	4.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.33	
26 05 33 13-2332	EA		2-1/2" Flexible Straight Connectors, Insulated .....	79.27	8.08
			<i>For Work In Restricted Working Space, Add</i>	5.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.06	
26 05 33 13-2333	EA		3" Flexible Straight Connectors, Insulated .....	101.37	8.85
			<i>For Work In Restricted Working Space, Add</i>	5.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.78	
26 05 33 13-2334	EA		3-1/2" Flexible Straight Connectors, Insulated .....	280.92	10.40
			<i>For Work In Restricted Working Space, Add</i>	6.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.50	
26 05 33 13-2335	EA		4" Flexible Straight Connectors, Insulated .....	361.28	12.71
			<i>For Work In Restricted Working Space, Add</i>	7.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.22	
<b>26 05 33 13-2336</b>			<b>Plain Squeeze Type 90 Degree Connector</b> <small>(26 05 33 13-2300)</small>		
26 05 33 13-2337	EA		3/8" Flexible 90 Degree Connector, Plain .....	8.61	3.85
			<i>For Work In Restricted Working Space, Add</i>	1.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.73	
26 05 33 13-2338	EA		1/2" Flexible 90 Degree Connector, Plain .....	11.47	4.23
			<i>For Work In Restricted Working Space, Add</i>	2.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.02	
26 05 33 13-2339	EA		3/4" Flexible 90 Degree Connector, Plain .....	15.11	4.62
			<i>For Work In Restricted Working Space, Add</i>	2.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.31	
26 05 33 13-2340	EA		1" Flexible 90 Degree Connector, Plain .....	21.32	5.40
			<i>For Work In Restricted Working Space, Add</i>	2.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.89	
26 05 33 13-2341	EA		1-1/4" Flexible 90 Degree Connector, Plain .....	33.75	5.78
			<i>For Work In Restricted Working Space, Add</i>	3.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47	
26 05 33 13-2342	EA		1-1/2" Flexible 90 Degree Connector, Plain .....	53.24	6.74
			<i>For Work In Restricted Working Space, Add</i>	4.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.33	
26 05 33 13-2343	EA		2" Flexible 90 Degree Connector, Plain .....	64.35	8.28
			<i>For Work In Restricted Working Space, Add</i>	4.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.91	
26 05 33 13-2344	EA		2-1/2" Flexible 90 Degree Connector, Plain .....	144.30	8.85
			<i>For Work In Restricted Working Space, Add</i>	5.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.78	
26 05 33 13-2345	EA		3" Flexible 90 Degree Connector, Plain .....	185.83	10.40
			<i>For Work In Restricted Working Space, Add</i>	6.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.50	
26 05 33 13-2346	EA		3-1/2" Flexible 90 Degree Connector, Plain .....	397.42	12.71
			<i>For Work In Restricted Working Space, Add</i>	7.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.22	
26 05 33 13-2347	EA		4" Flexible 90 Degree Connector, Plain .....	712.07	14.44
			<i>For Work In Restricted Working Space, Add</i>	8.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
<b>26 05 33 13-2348</b>			<b>Insulated Throat Squeeze Type 90 Degree Connector</b> <small>(26 05 33 13-2300)</small>		
26 05 33 13-2349	EA		1/2" Flexible 90 Degree Connector, Insulated.....	12.81	4.23
			<i>For Work In Restricted Working Space, Add</i>	2.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.02	
26 05 33 13-2350	EA		3/4" Flexible 90 Degree Connector, Insulated.....	16.76	4.62
			<i>For Work In Restricted Working Space, Add</i>	2.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.31	
26 05 33 13-2351	EA		1" Flexible 90 Degree Connector, Insulated.....	21.32	5.40
			<i>For Work In Restricted Working Space, Add</i>	2.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.89	
26 05 33 13-2352	EA		1-1/4" Flexible 90 Degree Connector, Insulated.....	39.62	5.78
			<i>For Work In Restricted Working Space, Add</i>	3.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47	
26 05 33 13-2353	EA		1-1/2" Flexible 90 Degree Connector, Insulated.....	63.89	6.74
			<i>For Work In Restricted Working Space, Add</i>	4.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.33	
26 05 33 13-2354	EA		2" Flexible 90 Degree Connector, Insulated.....	81.67	8.28
			<i>For Work In Restricted Working Space, Add</i>	4.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.91	
26 05 33 13-2355	EA		2-1/2" Flexible 90 Degree Connector, Insulated.....	198.47	8.85
			<i>For Work In Restricted Working Space, Add</i>	5.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.78	
26 05 33 13-2356	EA		3" Flexible 90 Degree Connector, Insulated.....	244.51	10.40
			<i>For Work In Restricted Working Space, Add</i>	6.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.50	
26 05 33 13-2357	EA		3-1/2" Flexible 90 Degree Connector, Insulated.....	663.38	12.71
			<i>For Work In Restricted Working Space, Add</i>	7.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.22	
26 05 33 13-2358	EA		4" Flexible 90 Degree Connector, Insulated.....	990.62	14.44
			<i>For Work In Restricted Working Space, Add</i>	8.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
<b>26 05 33 13-2359</b>			<b>Plain Squeeze Type 45 Degree Connector</b> <small>(26 05 33 13-2300)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2360	EA	3/8" Flexible 45 Degree Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.69 1.73 1.73	3.85
26 05 33	13-2361	EA	1/2" Flexible 45 Degree Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.20 2.02 2.02	4.23
26 05 33	13-2362	EA	3/4" Flexible 45 Degree Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.04 2.31 2.31	4.62
<b>26 05 33 13-2363 Insulated Squeeze Type 45 Degree Connector</b> <small>(26 05 33 13-2300)</small>					
26 05 33	13-2364	EA	3/8" Flexible 45 Degree Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.43 1.73 1.73	4.62
26 05 33	13-2365	EA	1/2" Flexible 45 Degree Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.43 2.02 2.02	4.23
26 05 33	13-2366	EA	3/4" Flexible 45 Degree Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.77 2.31 2.31	4.62
<b>26 05 33 13-2367 Plain Screw-In Connector</b> <small>(26 05 33 13-2300)</small>					
26 05 33	13-2368	EA	3/8" Flexible Steel Screw-in Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98 1.30 1.30	3.08
26 05 33	13-2369	EA	1/2" Flexible Steel Screw-in Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.35 1.44 1.44	3.47
26 05 33	13-2370	EA	3/4" Flexible Steel Screw-in Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88 1.73 1.73	4.23
26 05 33	13-2371	EA	1" Flexible Steel Screw-in Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.91 2.31 2.31	4.62
26 05 33	13-2372	EA	1-1/4" Flexible Steel Screw-in Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.80 2.89 2.89	5.40
26 05 33	13-2373	EA	1-1/2" Flexible Steel Screw-in Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.05 3.61 3.61	5.78
26 05 33	13-2374	EA	2" Flexible Steel Screw-in Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.95 4.33 4.33	6.55
<b>26 05 33 13-2375 Insulated Screw-In Connector</b> <small>(26 05 33 13-2300)</small>					
26 05 33	13-2376	EA	3/8" Flexible Steel Screw-in Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.30 1.30 1.30	3.08
26 05 33	13-2377	EA	1/2" Flexible Steel Screw-in Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.61 1.44 1.44	3.47
26 05 33	13-2378	EA	3/4" Flexible Steel Screw-in Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.54 1.73 1.73	4.23
26 05 33	13-2379	EA	1" Flexible Steel Screw-in Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.91 2.31 2.31	4.62
26 05 33	13-2380	EA	1-1/4" Flexible Steel Screw-in Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.23 2.89 2.89	5.40
26 05 33	13-2381	EA	1-1/2" Flexible Steel Screw-in Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.76 3.61 3.61	5.78
26 05 33	13-2382	EA	2" Flexible Steel Screw-in Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.45 4.33 4.33	6.55
<b>26 05 33 13-2383 Screw-In Coupling</b> <small>(26 05 33 13-2300)</small>					
26 05 33	13-2384	EA	1/2" Flexible Steel Screw-in Coupling ..... <i>For Work In Restricted Working Space, Add</i>	5.98 1.44	3.47
26 05 33	13-2385	EA	3/4" Flexible Steel Screw-in Coupling ..... <i>For Work In Restricted Working Space, Add</i>	7.91 1.73	4.23
<b>26 05 33 13-2386 Flexible To Electrical Metallic Tubing (EMT) Coupling</b> <small>(26 05 33 13-2300)</small>					
26 05 33	13-2387	EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling ..... <i>For Work In Restricted Working Space, Add</i>	8.31 1.30	3.08
26 05 33	13-2388	EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling ..... <i>For Work In Restricted Working Space, Add</i>	11.44 1.44	3.47
26 05 33	13-2389	EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling ..... <i>For Work In Restricted Working Space, Add</i>	15.21 1.73	4.23
<b>26 05 33 13-2390 Die Cast Squeeze Type Straight Connector</b> <small>(26 05 33 13-2300)</small>					

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2391	EA	3/8" Flexible Straight Connector, Die Cast.....	5.18	3.08
			<i>For Work In Restricted Working Space, Add</i>	1.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.30	
26 05 33	13-2392	EA	1/2" Flexible Straight Connector, Die Cast.....	5.87	3.47
			<i>For Work In Restricted Working Space, Add</i>	1.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.44	
26 05 33	13-2393	EA	3/4" Flexible Straight Connector, Die Cast.....	7.32	4.23
			<i>For Work In Restricted Working Space, Add</i>	1.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.73	
26 05 33	13-2394	EA	1" Flexible Straight Connector, Die Cast.....	11.14	4.62
			<i>For Work In Restricted Working Space, Add</i>	2.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.31	
26 05 33	13-2395	EA	1-1/4" Flexible Straight Connector, Die Cast.....	15.11	5.40
			<i>For Work In Restricted Working Space, Add</i>	2.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.89	
26 05 33	13-2396	EA	1-1/2" Flexible Straight Connector, Die Cast.....	20.62	5.78
			<i>For Work In Restricted Working Space, Add</i>	3.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.61	
26 05 33	13-2397	EA	2" Flexible Straight Connector, Die Cast.....	26.81	6.55
			<i>For Work In Restricted Working Space, Add</i>	4.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.33	
<b>26 05 33 13-2398</b>	<b>Die Cast Squeeze Type 90 Degree Connector</b> (26 05 33 13-2300)				
26 05 33	13-2399	EA	3/8" Flexible 90 Degree Connector, Die Cast.....	6.86	3.85
			<i>For Work In Restricted Working Space, Add</i>	1.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.73	
26 05 33	13-2400	EA	1/2" Flexible 90 Degree Connector, Die Cast.....	8.56	4.23
			<i>For Work In Restricted Working Space, Add</i>	2.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.02	
26 05 33	13-2401	EA	3/4" Flexible 90 Degree Connector, Die Cast.....	10.45	4.62
			<i>For Work In Restricted Working Space, Add</i>	2.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.31	
26 05 33	13-2402	EA	1" Flexible 90 Degree Connector, Die Cast.....	16.89	5.40
			<i>For Work In Restricted Working Space, Add</i>	2.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.89	
26 05 33	13-2403	EA	1-1/4" Flexible 90 Degree Connector, Die Cast.....	24.22	5.78
			<i>For Work In Restricted Working Space, Add</i>	3.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47	
26 05 33	13-2404	EA	1-1/2" Flexible 90 Degree Connector, Die Cast.....	38.09	6.74
			<i>For Work In Restricted Working Space, Add</i>	4.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.33	
26 05 33	13-2405	EA	2" Flexible 90 Degree Connector, Die Cast.....	45.66	8.28
			<i>For Work In Restricted Working Space, Add</i>	4.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.91	
<b>26 05 33 13-2406</b>	<b>Flexible Liquid Tight Non-Metallic Conduit And Connectors</b> (26 05 33 13-2258)				
<b>26 05 33 13-2407</b>	<b>Flexible Liquid Tight Non-Metallic Conduit</b> (26 05 33 13-2406)				
26 05 33	13-2408	LF	3/8" Flexible Liquid Tight Non-Metallic Conduit.....	3.31	1.05
			<i>For Work In Restricted Working Space, Add</i>	0.79	
26 05 33	13-2409	LF	1/2" Flexible Liquid Tight Non-Metallic Conduit.....	3.36	1.05
			<i>For Work In Restricted Working Space, Add</i>	0.79	
26 05 33	13-2410	LF	3/4" Flexible Liquid Tight Non-Metallic Conduit.....	4.52	1.40
			<i>For Work In Restricted Working Space, Add</i>	1.06	
26 05 33	13-2411	LF	1" Flexible Liquid Tight Non-Metallic Conduit.....	5.54	1.40
			<i>For Work In Restricted Working Space, Add</i>	1.06	
26 05 33	13-2412	LF	1-1/4" Flexible Liquid Tight Non-Metallic Conduit.....	7.02	1.76
			<i>For Work In Restricted Working Space, Add</i>	1.32	
26 05 33	13-2413	LF	1-1/2" Flexible Liquid Tight Non-Metallic Conduit.....	8.94	2.11
			<i>For Work In Restricted Working Space, Add</i>	1.58	
26 05 33	13-2414	LF	2" Flexible Liquid Tight Non-Metallic Conduit.....	11.49	2.81
			<i>For Work In Restricted Working Space, Add</i>	2.11	
<b>26 05 33 13-2415</b>	<b>Liquid Tight Non-Metallic Straight Connector</b> (26 05 33 13-2406)				
26 05 33	13-2416	EA	3/8" Liquid Tight Non-Metallic Straight Connector.....	9.49	2.81
			<i>For Work In Restricted Working Space, Add</i>	2.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.11	
26 05 33	13-2417	EA	1/2" Liquid Tight Non-Metallic Straight Connector.....	9.49	2.81
			<i>For Work In Restricted Working Space, Add</i>	2.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.11	
26 05 33	13-2418	EA	3/4" Liquid Tight Non-Metallic Straight Connector.....	11.56	3.17
			<i>For Work In Restricted Working Space, Add</i>	2.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.38	
26 05 33	13-2419	EA	1" Liquid Tight Non-Metallic Straight Connector.....	14.26	3.52
			<i>For Work In Restricted Working Space, Add</i>	2.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.64	
26 05 33	13-2420	EA	1-1/4" Liquid Tight Non-Metallic Straight Connector.....	19.49	3.87
			<i>For Work In Restricted Working Space, Add</i>	2.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 05 33	13-2421	EA	1-1/2" Liquid Tight Non-Metallic Straight Connector.....	24.22	4.22
			<i>For Work In Restricted Working Space, Add</i>	3.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.17	
26 05 33	13-2422	EA	2" Liquid Tight Non-Metallic Straight Connector.....	37.38	4.93
			<i>For Work In Restricted Working Space, Add</i>	3.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.69	

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI UOM		UNIT COST	UNIT COST

<b>26 05 33 13-2423</b>	<b>Liquid Tight Non-Metallic 90 Degree Angle Connector</b> <small>(26 05 33 13-2406)</small>		
26 05 33 13-2424	EA 3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector .....13.67	13.67	3.87
	<i>For Work In Restricted Working Space, Add</i>	2.90	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 05 33 13-2425	EA 1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector .....13.67	13.67	3.87
	<i>For Work In Restricted Working Space, Add</i>	2.90	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 05 33 13-2426	EA 3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector .....16.71	16.71	4.22
	<i>For Work In Restricted Working Space, Add</i>	3.17	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.17	
26 05 33 13-2427	EA 1" Liquid Tight Non-Metallic 90 Degree Angle Connector .....23.43	23.43	4.93
	<i>For Work In Restricted Working Space, Add</i>	3.69	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.69	
26 05 33 13-2428	EA 1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector .....24.25	24.25	5.28
	<i>For Work In Restricted Working Space, Add</i>	3.96	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96	
26 05 33 13-2429	EA 1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector .....37.78	37.78	5.63
	<i>For Work In Restricted Working Space, Add</i>	4.22	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 05 33 13-2430	EA 2" Liquid Tight Non-Metallic 90 Degree Angle Connector .....50.53	50.53	6.33
	<i>For Work In Restricted Working Space, Add</i>	4.75	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.75	
<b>26 05 33 13-2431</b>	<b>Liquid Tight Non-Metallic 45 Degree Angle Connector</b> <small>(26 05 33 13-2406)</small>		
26 05 33 13-2432	EA 3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector .....13.67	13.67	3.87
	<i>For Work In Restricted Working Space, Add</i>	2.90	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 05 33 13-2433	EA 1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector .....13.67	13.67	3.87
	<i>For Work In Restricted Working Space, Add</i>	2.90	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 05 33 13-2434	EA 3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector .....16.71	16.71	4.22
	<i>For Work In Restricted Working Space, Add</i>	3.17	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.17	
26 05 33 13-2435	EA 1" Liquid Tight Non-Metallic 45 Degree Angle Connector .....23.43	23.43	4.93
	<i>For Work In Restricted Working Space, Add</i>	3.69	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.69	
26 05 33 13-2436	EA 1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector .....24.25	24.25	5.28
	<i>For Work In Restricted Working Space, Add</i>	3.96	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96	
26 05 33 13-2437	EA 1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector .....37.78	37.78	5.63
	<i>For Work In Restricted Working Space, Add</i>	4.22	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 05 33 13-2438	EA 2" Liquid Tight Non-Metallic 45 Degree Angle Connector .....50.53	50.53	6.33
	<i>For Work In Restricted Working Space, Add</i>	4.75	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.75	
<b>26 05 33 13-2439</b>	<b>Blue ENT Electrical Non-Metallic Tubing</b> <small>(26 05 33 13-2258)</small>		
	Note: Carlon - FLEX-PLUS.		
<b>26 05 33 13-2440</b>	<b>Blue ENT Electrical Non-Metallic Tubing</b> <small>(26 05 33 13-2439)</small>		
26 05 33 13-2441	LF 1/2" Blue ENT Electrical Non-Metallic Tubing .....3.88	3.88	1.15
	<i>For Work In Restricted Working Space, Add</i>	0.87	
26 05 33 13-2442	LF 3/4" Blue ENT Electrical Non-Metallic Tubing .....5.23	5.23	1.54
	<i>For Work In Restricted Working Space, Add</i>	1.16	
26 05 33 13-2443	LF 1" Blue ENT Electrical Non-Metallic Tubing .....6.08	6.08	1.54
	<i>For Work In Restricted Working Space, Add</i>	1.16	
<b>26 05 33 13-2444</b>	<b>Terminal Adapter</b> <small>(26 05 33 13-2439)</small>		
26 05 33 13-2445	EA 1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing .....9.33	9.33	3.08
	<i>For Work In Restricted Working Space, Add</i>	2.31	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.31	
26 05 33 13-2446	EA 3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing .....11.64	11.64	3.47
	<i>For Work In Restricted Working Space, Add</i>	2.60	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.60	
26 05 33 13-2447	EA 1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing .....13.46	13.46	3.85
	<i>For Work In Restricted Working Space, Add</i>	2.89	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.89	
<b>26 05 33 13-2448</b>	<b>Coupling</b> <small>(26 05 33 13-2439)</small>		
26 05 33 13-2449	EA 1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing .....9.12	9.12	3.08
	<i>For Work In Restricted Working Space, Add</i>	2.31	
26 05 33 13-2450	EA 3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing .....10.50	10.50	3.47
	<i>For Work In Restricted Working Space, Add</i>	2.60	
26 05 33 13-2451	EA 1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing .....12.39	12.39	3.85
	<i>For Work In Restricted Working Space, Add</i>	2.89	
<b>26 05 33 13-2452</b>	<b>Conduit Bodies</b> <small>(26 05 33 13-0057)</small>		
<b>26 05 33 13-2453</b>	<b>Threaded, Cast Aluminum Conduit Body</b> <small>(26 05 33 13-2452)</small>		
<b>26 05 33 13-2454</b>	<b>Type LB, Threaded, Two Hub Cast Aluminum Conduit Body</b> <small>(26 05 33 13-2453)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2455	EA	1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	48.83	16.88
			<i>For Work In Restricted Working Space, Add</i>	12.66	
			<i>For Mogul LB, Add</i>	2.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.22	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.88	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.11	
			<i>For Elevated Installation &gt;40', Add</i>	23.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.66	
26 05 33	13-2456	EA	3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	57.35	19.34
			<i>For Work In Restricted Working Space, Add</i>	14.51	
			<i>For Mogul LB, Add</i>	4.32	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.84	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.18	
			<i>For Elevated Installation &gt;40', Add</i>	26.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.51	
26 05 33	13-2457	EA	1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	69.08	22.51
			<i>For Work In Restricted Working Space, Add</i>	16.88	
			<i>For Mogul LB, Add</i>	6.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.07	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.70	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.51	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.14	
			<i>For Elevated Installation &gt;40', Add</i>	30.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.88	
26 05 33	13-2458	EA	1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	83.30	25.67
			<i>For Work In Restricted Working Space, Add</i>	19.26	
			<i>For Mogul LB, Add</i>	11.12	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.42	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.84	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.05	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.47	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.68	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	32.10	
			<i>For Elevated Installation &gt;40', Add</i>	35.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.26	
26 05 33	13-2459	EA	1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	95.00	28.14
			<i>For Work In Restricted Working Space, Add</i>	21.10	
			<i>For Mogul LB, Add</i>	14.98	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.03	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.07	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.59	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.14	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.17	
			<i>For Elevated Installation &gt;40', Add</i>	38.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.10	
26 05 33	13-2460	EA	2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	124.23	33.77
			<i>For Work In Restricted Working Space, Add</i>	25.32	
			<i>For Mogul LB, Add</i>	25.64	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.44	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.88	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.76	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	42.21	
			<i>For Elevated Installation &gt;40', Add</i>	46.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.32	
26 05 33	13-2461	EA	2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	206.85	47.48
			<i>For Work In Restricted Working Space, Add</i>	35.61	
			<i>For Mogul LB, Add</i>	60.17	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.87	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	23.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	29.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	41.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	47.48	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	59.36	
			<i>For Elevated Installation &gt;40', Add</i>	65.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.61	
26 05 33	13-2462	EA	3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	272.08	63.31
			<i>For Work In Restricted Working Space, Add</i>	47.48	
			<i>For Mogul LB, Add</i>	77.44	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.83	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	31.66	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	39.57	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	55.40	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	63.31	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	79.14	
			<i>For Elevated Installation &gt;40', Add</i>	87.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2463	EA		3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	360.60	79.14
			For Work In Restricted Working Space, Add	59.35	
			For Mogul LB, Add	112.18	
			For Elevated Installation >10' To 15', Add	19.78	
			For Elevated Installation >15' To 20', Add	39.57	
			For Elevated Installation >20' To 25', Add	49.46	
			For Elevated Installation >25' To 30', Add	69.24	
			For Elevated Installation >30' To 35', Add	79.14	
			For Elevated Installation >35' To 40', Add	98.92	
			For Elevated Installation >40', Add	108.81	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.35	
26 05 33 13-2464	EA		4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	467.10	96.37
			For Work In Restricted Working Space, Add	72.28	
			For Mogul LB, Add	157.58	
			For Elevated Installation >10' To 15', Add	24.09	
			For Elevated Installation >15' To 20', Add	48.19	
			For Elevated Installation >20' To 25', Add	60.23	
			For Elevated Installation >25' To 30', Add	84.33	
			For Elevated Installation >30' To 35', Add	96.37	
			For Elevated Installation >35' To 40', Add	120.47	
			For Elevated Installation >40', Add	132.51	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.28	
26 05 33 13-2465			<b>Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With</b>		
			<b>Cover</b> <small>(26 05 33 13-2453)</small>		
26 05 33 13-2466	EA		1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	49.64	16.88
			For Work In Restricted Working Space, Add	12.66	
			For Mogul LB, Add	3.46	
			For Elevated Installation >10' To 15', Add	4.22	
			For Elevated Installation >15' To 20', Add	8.44	
			For Elevated Installation >20' To 25', Add	10.55	
			For Elevated Installation >25' To 30', Add	14.77	
			For Elevated Installation >30' To 35', Add	16.88	
			For Elevated Installation >35' To 40', Add	21.11	
			For Elevated Installation >40', Add	23.22	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.66	
26 05 33 13-2467	EA		3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	58.14	19.34
			For Work In Restricted Working Space, Add	14.51	
			For Mogul LB, Add	4.92	
			For Elevated Installation >10' To 15', Add	4.84	
			For Elevated Installation >15' To 20', Add	9.67	
			For Elevated Installation >20' To 25', Add	12.09	
			For Elevated Installation >25' To 30', Add	16.93	
			For Elevated Installation >30' To 35', Add	19.34	
			For Elevated Installation >35' To 40', Add	24.18	
			For Elevated Installation >40', Add	26.60	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.51	
26 05 33 13-2468	EA		1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	70.66	22.51
			For Work In Restricted Working Space, Add	16.88	
			For Mogul LB, Add	7.97	
			For Elevated Installation >10' To 15', Add	5.63	
			For Elevated Installation >15' To 20', Add	11.26	
			For Elevated Installation >20' To 25', Add	14.07	
			For Elevated Installation >25' To 30', Add	19.70	
			For Elevated Installation >30' To 35', Add	22.51	
			For Elevated Installation >35' To 40', Add	28.14	
			For Elevated Installation >40', Add	30.95	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.88	
26 05 33 13-2469	EA		1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	85.23	25.67
			For Work In Restricted Working Space, Add	19.26	
			For Mogul LB, Add	12.57	
			For Elevated Installation >10' To 15', Add	6.42	
			For Elevated Installation >15' To 20', Add	12.84	
			For Elevated Installation >20' To 25', Add	16.05	
			For Elevated Installation >25' To 30', Add	22.47	
			For Elevated Installation >30' To 35', Add	25.68	
			For Elevated Installation >35' To 40', Add	32.10	
			For Elevated Installation >40', Add	35.30	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.26	
26 05 33 13-2470	EA		1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	98.28	28.14
			For Work In Restricted Working Space, Add	21.10	
			For Mogul LB, Add	17.44	
			For Elevated Installation >10' To 15', Add	7.03	
			For Elevated Installation >15' To 20', Add	14.07	
			For Elevated Installation >20' To 25', Add	17.59	
			For Elevated Installation >25' To 30', Add	24.62	
			For Elevated Installation >30' To 35', Add	28.14	
			For Elevated Installation >35' To 40', Add	35.17	
			For Elevated Installation >40', Add	38.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.10	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2471	EA		2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	131.28	33.77
			<i>For Work In Restricted Working Space, Add</i>	25.32	
			<i>For Mogul LB, Add</i>	30.93	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.44	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.88	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.76	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	42.21	
			<i>For Elevated Installation &gt;40', Add</i>	46.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.32	
26 05 33 13-2472	EA		2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	203.30	47.48
			<i>For Work In Restricted Working Space, Add</i>	35.61	
			<i>For Mogul LB, Add</i>	57.51	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.87	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	23.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	29.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	41.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	47.48	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	59.36	
			<i>For Elevated Installation &gt;40', Add</i>	65.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.61	
26 05 33 13-2473	EA		3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	260.14	63.31
			<i>For Work In Restricted Working Space, Add</i>	47.48	
			<i>For Mogul LB, Add</i>	68.48	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.83	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	31.66	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	39.57	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	55.40	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	63.31	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	79.14	
			<i>For Elevated Installation &gt;40', Add</i>	87.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.48	
26 05 33 13-2474	EA		3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	370.78	79.14
			<i>For Work In Restricted Working Space, Add</i>	59.35	
			<i>For Mogul LB, Add</i>	119.81	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	19.78	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	39.57	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	49.46	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	69.24	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	79.14	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	98.92	
			<i>For Elevated Installation &gt;40', Add</i>	108.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.35	
26 05 33 13-2475	EA		4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	487.91	96.37
			<i>For Work In Restricted Working Space, Add</i>	72.28	
			<i>For Mogul LB, Add</i>	173.19	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	24.09	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	48.19	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	60.23	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	84.33	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	96.37	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	120.47	
			<i>For Elevated Installation &gt;40', Add</i>	132.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.28	
26 05 33 13-2476			Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover <sup>(26 05 33 13-2453)</sup> .....		
26 05 33 13-2477	EA		1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	57.14	19.34
			<i>For Work In Restricted Working Space, Add</i>	14.51	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.84	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.18	
			<i>For Elevated Installation &gt;40', Add</i>	26.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.51	
26 05 33 13-2478	EA		3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	67.58	22.51
			<i>For Work In Restricted Working Space, Add</i>	16.88	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.07	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.70	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.51	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.14	
			<i>For Elevated Installation &gt;40', Add</i>	30.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.88	
26 05 33 13-2479	EA		1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	77.55	24.62
			<i>For Work In Restricted Working Space, Add</i>	18.47	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.16	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.31	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.39	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.62	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.78	
			<i>For Elevated Installation &gt;40', Add</i>	33.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2480 EA 1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	94.58	28.14
For Work In Restricted Working Space, Add	21.10	
For Elevated Installation >10' To 15', Add	7.03	
For Elevated Installation >15' To 20', Add	14.07	
For Elevated Installation >20' To 25', Add	17.59	
For Elevated Installation >25' To 30', Add	24.62	
For Elevated Installation >30' To 35', Add	28.14	
For Elevated Installation >35' To 40', Add	35.17	
For Elevated Installation >40', Add	38.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.10	
26 05 33 13-2481 EA 1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	108.89	30.95
For Work In Restricted Working Space, Add	23.21	
For Elevated Installation >10' To 15', Add	7.74	
For Elevated Installation >15' To 20', Add	15.48	
For Elevated Installation >20' To 25', Add	19.35	
For Elevated Installation >25' To 30', Add	27.08	
For Elevated Installation >30' To 35', Add	30.95	
For Elevated Installation >35' To 40', Add	38.69	
For Elevated Installation >40', Add	42.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.21	
26 05 33 13-2482 EA 2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	144.46	36.23
For Work In Restricted Working Space, Add	27.17	
For Elevated Installation >10' To 15', Add	9.06	
For Elevated Installation >15' To 20', Add	18.11	
For Elevated Installation >20' To 25', Add	22.64	
For Elevated Installation >25' To 30', Add	31.70	
For Elevated Installation >30' To 35', Add	36.23	
For Elevated Installation >35' To 40', Add	45.29	
For Elevated Installation >40', Add	49.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.17	
26 05 33 13-2483 EA 2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	227.12	52.76
For Work In Restricted Working Space, Add	39.57	
For Elevated Installation >10' To 15', Add	13.19	
For Elevated Installation >15' To 20', Add	26.38	
For Elevated Installation >20' To 25', Add	32.98	
For Elevated Installation >25' To 30', Add	46.17	
For Elevated Installation >30' To 35', Add	52.76	
For Elevated Installation >35' To 40', Add	65.95	
For Elevated Installation >40', Add	72.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.57	
26 05 33 13-2484 EA 3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	293.53	68.59
For Work In Restricted Working Space, Add	51.44	
For Elevated Installation >10' To 15', Add	17.15	
For Elevated Installation >15' To 20', Add	34.29	
For Elevated Installation >20' To 25', Add	42.87	
For Elevated Installation >25' To 30', Add	60.01	
For Elevated Installation >30' To 35', Add	68.59	
For Elevated Installation >35' To 40', Add	85.74	
For Elevated Installation >40', Add	94.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.44	
26 05 33 13-2485 EA 3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	464.55	84.41
For Work In Restricted Working Space, Add	63.31	
For Elevated Installation >10' To 15', Add	21.10	
For Elevated Installation >15' To 20', Add	42.21	
For Elevated Installation >20' To 25', Add	52.76	
For Elevated Installation >25' To 30', Add	73.86	
For Elevated Installation >30' To 35', Add	84.41	
For Elevated Installation >35' To 40', Add	105.52	
For Elevated Installation >40', Add	116.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.31	
26 05 33 13-2486 EA 4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	533.26	101.65
For Work In Restricted Working Space, Add	76.24	
For Elevated Installation >10' To 15', Add	25.41	
For Elevated Installation >15' To 20', Add	50.82	
For Elevated Installation >20' To 25', Add	63.53	
For Elevated Installation >25' To 30', Add	88.94	
For Elevated Installation >30' To 35', Add	101.65	
For Elevated Installation >35' To 40', Add	127.06	
For Elevated Installation >40', Add	139.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.24	
<b>26 05 33 13-2487 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2453)</small>		
26 05 33 13-2488 EA 1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	49.80	16.88
For Work In Restricted Working Space, Add	12.66	
For Elevated Installation >10' To 15', Add	4.22	
For Elevated Installation >15' To 20', Add	8.44	
For Elevated Installation >20' To 25', Add	10.55	
For Elevated Installation >25' To 30', Add	14.77	
For Elevated Installation >30' To 35', Add	16.88	
For Elevated Installation >35' To 40', Add	21.11	
For Elevated Installation >40', Add	23.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.66	

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MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-2489	EA 3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	57.58	19.34
	For Work In Restricted Working Space, Add	14.51	
	For Elevated Installation >10' To 15', Add	4.84	
	For Elevated Installation >15' To 20', Add	9.67	
	For Elevated Installation >20' To 25', Add	12.09	
	For Elevated Installation >25' To 30', Add	16.93	
	For Elevated Installation >30' To 35', Add	19.34	
	For Elevated Installation >35' To 40', Add	24.18	
	For Elevated Installation >40', Add	26.60	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.51	
26 05 33 13-2490	EA 1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	69.14	22.16
	For Work In Restricted Working Space, Add	16.62	
	For Elevated Installation >10' To 15', Add	5.54	
	For Elevated Installation >15' To 20', Add	11.08	
	For Elevated Installation >20' To 25', Add	13.85	
	For Elevated Installation >25' To 30', Add	19.39	
	For Elevated Installation >30' To 35', Add	22.16	
	For Elevated Installation >35' To 40', Add	27.70	
	For Elevated Installation >40', Add	30.47	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.62	
26 05 33 13-2491	EA 1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	84.46	25.67
	For Work In Restricted Working Space, Add	19.26	
	For Elevated Installation >10' To 15', Add	6.42	
	For Elevated Installation >15' To 20', Add	12.84	
	For Elevated Installation >20' To 25', Add	16.05	
	For Elevated Installation >25' To 30', Add	22.47	
	For Elevated Installation >30' To 35', Add	25.68	
	For Elevated Installation >35' To 40', Add	32.10	
	For Elevated Installation >40', Add	35.30	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.26	
26 05 33 13-2492	EA 1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	94.46	28.14
	For Work In Restricted Working Space, Add	21.10	
	For Elevated Installation >10' To 15', Add	7.03	
	For Elevated Installation >15' To 20', Add	14.07	
	For Elevated Installation >20' To 25', Add	17.59	
	For Elevated Installation >25' To 30', Add	24.62	
	For Elevated Installation >30' To 35', Add	28.14	
	For Elevated Installation >35' To 40', Add	35.17	
	For Elevated Installation >40', Add	38.69	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.10	
26 05 33 13-2493	EA 2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	124.29	33.77
	For Work In Restricted Working Space, Add	25.32	
	For Elevated Installation >10' To 15', Add	8.44	
	For Elevated Installation >15' To 20', Add	16.88	
	For Elevated Installation >20' To 25', Add	21.10	
	For Elevated Installation >25' To 30', Add	29.54	
	For Elevated Installation >30' To 35', Add	33.76	
	For Elevated Installation >35' To 40', Add	42.21	
	For Elevated Installation >40', Add	46.43	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.32	
26 05 33 13-2494	EA 2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	200.31	47.48
	For Work In Restricted Working Space, Add	35.61	
	For Elevated Installation >10' To 15', Add	11.87	
	For Elevated Installation >15' To 20', Add	23.74	
	For Elevated Installation >20' To 25', Add	29.68	
	For Elevated Installation >25' To 30', Add	41.55	
	For Elevated Installation >30' To 35', Add	47.48	
	For Elevated Installation >35' To 40', Add	59.36	
	For Elevated Installation >40', Add	65.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.61	
26 05 33 13-2495	EA 3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	258.23	63.31
	For Work In Restricted Working Space, Add	47.48	
	For Elevated Installation >10' To 15', Add	15.83	
	For Elevated Installation >15' To 20', Add	31.66	
	For Elevated Installation >20' To 25', Add	39.57	
	For Elevated Installation >25' To 30', Add	55.40	
	For Elevated Installation >30' To 35', Add	63.31	
	For Elevated Installation >35' To 40', Add	79.14	
	For Elevated Installation >40', Add	87.05	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.48	
26 05 33 13-2496	EA 3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	364.66	79.14
	For Work In Restricted Working Space, Add	59.35	
	For Elevated Installation >10' To 15', Add	19.78	
	For Elevated Installation >15' To 20', Add	39.57	
	For Elevated Installation >20' To 25', Add	49.46	
	For Elevated Installation >25' To 30', Add	69.24	
	For Elevated Installation >30' To 35', Add	79.14	
	For Elevated Installation >35' To 40', Add	98.92	
	For Elevated Installation >40', Add	108.81	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.35	
26 05 33 13-2497	EA 4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	469.01	96.37
	For Work In Restricted Working Space, Add	72.28	
	For Elevated Installation >10' To 15', Add	24.09	
	For Elevated Installation >15' To 20', Add	48.19	
	For Elevated Installation >20' To 25', Add	60.23	
	For Elevated Installation >25' To 30', Add	84.33	
	For Elevated Installation >30' To 35', Add	96.37	
	For Elevated Installation >35' To 40', Add	120.47	
	For Elevated Installation >40', Add	132.51	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.28	



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-2498	Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2498)</small>		
26 05 33 13-2499	EA 1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	66.17	22.16
	<i>For Work In Restricted Working Space, Add</i>	16.62	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	5.54	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	11.08	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	13.85	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	19.39	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	22.16	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	27.70	
	<i>For Elevated Installation &gt;40', Add</i>	30.47	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.62	
26 05 33 13-2500	EA 3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	76.13	24.62
	<i>For Work In Restricted Working Space, Add</i>	18.47	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	6.16	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	12.31	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	15.39	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	21.55	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	24.62	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	30.78	
	<i>For Elevated Installation &gt;40', Add</i>	33.86	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	
26 05 33 13-2501	EA 1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	92.37	27.09
	<i>For Work In Restricted Working Space, Add</i>	20.31	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	6.77	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	13.54	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	16.93	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	23.70	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	27.08	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	33.86	
	<i>For Elevated Installation &gt;40', Add</i>	37.24	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.31	
26 05 33 13-2502	EA 1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	106.41	30.95
	<i>For Work In Restricted Working Space, Add</i>	23.21	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	7.74	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	15.48	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	19.35	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	27.08	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	30.95	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	38.69	
	<i>For Elevated Installation &gt;40', Add</i>	42.56	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.21	
26 05 33 13-2503	EA 1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	135.26	33.77
	<i>For Work In Restricted Working Space, Add</i>	25.32	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	8.44	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	16.88	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	21.10	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	29.54	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	33.76	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	42.21	
	<i>For Elevated Installation &gt;40', Add</i>	46.43	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.32	
26 05 33 13-2504	EA 2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	163.72	41.50
	<i>For Work In Restricted Working Space, Add</i>	31.13	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	10.38	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	20.75	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	25.94	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	36.32	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	41.50	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	51.88	
	<i>For Elevated Installation &gt;40', Add</i>	57.07	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.13	
26 05 33 13-2505	EA 2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	300.90	60.84
	<i>For Work In Restricted Working Space, Add</i>	45.64	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	15.21	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	30.43	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	38.03	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	53.25	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	60.85	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	76.07	
	<i>For Elevated Installation &gt;40', Add</i>	83.67	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.64	
26 05 33 13-2506	EA 3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	372.12	79.14
	<i>For Work In Restricted Working Space, Add</i>	59.35	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	19.78	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	39.57	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	49.46	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	69.24	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	79.14	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	98.92	
	<i>For Elevated Installation &gt;40', Add</i>	108.81	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.35	
26 05 33 13-2507	EA 3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	527.29	97.78
	<i>For Work In Restricted Working Space, Add</i>	73.86	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	24.62	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	49.24	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	61.55	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	86.17	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	98.48	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	123.11	
	<i>For Elevated Installation &gt;40', Add</i>	135.42	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.86	

## 26 Electrical

## 26 05 Common Work Results for Electrical

## 26 05 33 Raceway and Boxes for Electrical Systems

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-2508	EA 4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	636.60 88.11 29.37 58.74 73.42 102.79 117.48 146.85 161.53 88.11	117.48
26 05 33 13-2509	Threaded, Malleable Iron Conduit Body <small>(26 05 33 13-2452)</small>		
26 05 33 13-2510	Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2509)</small>		
26 05 33 13-2511	EA 1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.08 4.22 8.44 10.55 14.77 16.88 21.11 23.22 12.66 12.66	16.88
26 05 33 13-2512	EA 3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.24 4.84 9.67 12.09 16.93 19.34 24.18 26.60 14.51 14.51	19.34
26 05 33 13-2513	EA 1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.49 5.63 11.26 14.07 19.70 22.51 28.14 30.95 16.88 16.88	22.51
26 05 33 13-2514	EA 1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.28 6.42 12.84 16.05 22.47 25.68 32.10 35.30 19.26 19.26	25.67
26 05 33 13-2515	EA 1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.02 7.03 14.07 17.59 24.62 28.14 35.17 38.69 21.10 21.10	28.14
26 05 33 13-2516	EA 2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.13 8.44 16.88 21.11 29.55 33.77 42.21 46.43 25.33 25.33	33.77
26 05 33 13-2517	EA 2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	240.94 11.87 23.74 29.68 41.55 47.48 59.36 65.29 35.61 35.61	47.48

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 33	13-2518	EA	3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	340.62	63.31
				For Elevated Installation >10' To 15', Add	15.83	
				For Elevated Installation >15' To 20', Add	31.66	
				For Elevated Installation >20' To 25', Add	39.57	
				For Elevated Installation >25' To 30', Add	55.40	
				For Elevated Installation >30' To 35', Add	63.32	
				For Elevated Installation >35' To 40', Add	79.15	
				For Elevated Installation >40', Add	87.06	
				For Work In Restricted Working Space, Add	47.49	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.49	
	26 05 33	13-2519	EA	3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	467.78	79.14
				For Elevated Installation >10' To 15', Add	19.78	
				For Elevated Installation >15' To 20', Add	39.57	
				For Elevated Installation >20' To 25', Add	49.46	
				For Elevated Installation >25' To 30', Add	69.24	
				For Elevated Installation >30' To 35', Add	79.14	
				For Elevated Installation >35' To 40', Add	98.92	
				For Elevated Installation >40', Add	108.81	
				For Work In Restricted Working Space, Add	59.35	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.35	
	26 05 33	13-2520	EA	4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	560.14	96.37
				For Elevated Installation >10' To 15', Add	24.09	
				For Elevated Installation >15' To 20', Add	48.19	
				For Elevated Installation >20' To 25', Add	60.24	
				For Elevated Installation >25' To 30', Add	84.33	
				For Elevated Installation >30' To 35', Add	96.38	
				For Elevated Installation >35' To 40', Add	120.47	
				For Elevated Installation >40', Add	132.52	
				For Work In Restricted Working Space, Add	72.28	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.28	
	26 05 33	13-2521		<b>Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover</b> (26 05 33 13-2509)		
	26 05 33	13-2522	EA	1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	53.14	16.88
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.66	
	26 05 33	13-2523	EA	3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	59.84	19.34
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.51	
	26 05 33	13-2524	EA	1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	75.63	22.51
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.88	
	26 05 33	13-2525	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	95.38	25.67
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.26	
	26 05 33	13-2526	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	108.59	28.14
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.10	
	26 05 33	13-2527	EA	2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	138.86	33.77
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.33	
	26 05 33	13-2528	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	211.63	47.48
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.61	
	26 05 33	13-2529	EA	3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	287.92	63.31
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.49	
	26 05 33	13-2530	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	498.81	79.14
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.35	
	26 05 33	13-2531	EA	4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	583.03	96.37
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.28	
	26 05 33	13-2532		<b>Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover</b> (26 05 33 13-2509)		
	26 05 33	13-2533	EA	1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	63.01	19.34
				For Elevated Installation >10' To 15', Add	4.84	
				For Elevated Installation >15' To 20', Add	9.67	
				For Elevated Installation >20' To 25', Add	12.09	
				For Elevated Installation >25' To 30', Add	16.93	
				For Elevated Installation >30' To 35', Add	19.34	
				For Elevated Installation >35' To 40', Add	24.18	
				For Elevated Installation >40', Add	26.60	
				For Work In Restricted Working Space, Add	14.51	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.51	
	26 05 33	13-2534	EA	3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	74.28	22.51
				For Elevated Installation >10' To 15', Add	5.72	
				For Elevated Installation >15' To 20', Add	11.43	
				For Elevated Installation >20' To 25', Add	14.29	
				For Elevated Installation >25' To 30', Add	20.00	
				For Elevated Installation >30' To 35', Add	22.86	
				For Elevated Installation >35' To 40', Add	28.58	
				For Elevated Installation >40', Add	31.43	
				For Work In Restricted Working Space, Add	17.15	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.15	
	26 05 33	13-2535	EA	1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	87.47	24.62
				For Elevated Installation >10' To 15', Add	6.16	
				For Elevated Installation >15' To 20', Add	12.31	
				For Elevated Installation >20' To 25', Add	15.39	
				For Elevated Installation >25' To 30', Add	21.55	
				For Elevated Installation >30' To 35', Add	24.62	
				For Elevated Installation >35' To 40', Add	30.78	
				For Elevated Installation >40', Add	33.86	
				For Work In Restricted Working Space, Add	18.47	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.47	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-2536	EA 1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	109.61	28.14
	For Elevated Installation >10' To 15', Add	6.95	
	For Elevated Installation >15' To 20', Add	13.89	
	For Elevated Installation >20' To 25', Add	17.37	
	For Elevated Installation >25' To 30', Add	24.31	
	For Elevated Installation >30' To 35', Add	27.78	
	For Elevated Installation >35' To 40', Add	34.73	
	For Elevated Installation >40', Add	38.20	
	For Work In Restricted Working Space, Add	20.84	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.84	
26 05 33 13-2537	EA 1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	125.63	30.95
	For Elevated Installation >10' To 15', Add	7.74	
	For Elevated Installation >15' To 20', Add	15.48	
	For Elevated Installation >20' To 25', Add	19.35	
	For Elevated Installation >25' To 30', Add	27.08	
	For Elevated Installation >30' To 35', Add	30.95	
	For Elevated Installation >35' To 40', Add	38.69	
	For Elevated Installation >40', Add	42.56	
	For Work In Restricted Working Space, Add	23.21	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.21	
26 05 33 13-2538	EA 2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	166.16	36.23
	For Elevated Installation >10' To 15', Add	9.06	
	For Elevated Installation >15' To 20', Add	18.11	
	For Elevated Installation >20' To 25', Add	22.64	
	For Elevated Installation >25' To 30', Add	31.70	
	For Elevated Installation >30' To 35', Add	36.23	
	For Elevated Installation >35' To 40', Add	45.29	
	For Elevated Installation >40', Add	49.81	
	For Work In Restricted Working Space, Add	27.17	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.17	
26 05 33 13-2539	EA 2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	211.20	52.76
	For Elevated Installation >10' To 15', Add	13.19	
	For Elevated Installation >15' To 20', Add	26.38	
	For Elevated Installation >20' To 25', Add	32.98	
	For Elevated Installation >25' To 30', Add	46.17	
	For Elevated Installation >30' To 35', Add	52.76	
	For Elevated Installation >35' To 40', Add	65.95	
	For Elevated Installation >40', Add	72.55	
	For Work In Restricted Working Space, Add	39.57	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.57	
26 05 33 13-2540	EA 3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	303.25	68.59
	For Elevated Installation >10' To 15', Add	17.15	
	For Elevated Installation >15' To 20', Add	34.29	
	For Elevated Installation >20' To 25', Add	42.87	
	For Elevated Installation >25' To 30', Add	60.01	
	For Elevated Installation >30' To 35', Add	68.59	
	For Elevated Installation >35' To 40', Add	85.74	
	For Elevated Installation >40', Add	94.31	
	For Work In Restricted Working Space, Add	51.44	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.44	
26 05 33 13-2541	EA 3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	526.34	84.41
	For Elevated Installation >10' To 15', Add	21.10	
	For Elevated Installation >15' To 20', Add	42.21	
	For Elevated Installation >20' To 25', Add	52.76	
	For Elevated Installation >25' To 30', Add	73.86	
	For Elevated Installation >30' To 35', Add	84.41	
	For Elevated Installation >35' To 40', Add	105.52	
	For Elevated Installation >40', Add	116.07	
	For Work In Restricted Working Space, Add	63.31	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.31	
26 05 33 13-2542	EA 4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	609.49	101.65
	For Elevated Installation >10' To 15', Add	25.50	
	For Elevated Installation >15' To 20', Add	51.00	
	For Elevated Installation >20' To 25', Add	63.75	
	For Elevated Installation >25' To 30', Add	89.25	
	For Elevated Installation >30' To 35', Add	102.00	
	For Elevated Installation >35' To 40', Add	127.51	
	For Elevated Installation >40', Add	140.26	
	For Work In Restricted Working Space, Add	76.50	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.50	
26 05 33 13-2543	Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2539)</small>		
26 05 33 13-2544	EA 1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	51.24	16.88
	For Elevated Installation >10' To 15', Add	4.22	
	For Elevated Installation >15' To 20', Add	8.44	
	For Elevated Installation >20' To 25', Add	10.55	
	For Elevated Installation >25' To 30', Add	14.77	
	For Elevated Installation >30' To 35', Add	16.88	
	For Elevated Installation >35' To 40', Add	21.11	
	For Elevated Installation >40', Add	23.22	
	For Work In Restricted Working Space, Add	12.66	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2545	EA	3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	61.90	19.34
			For Elevated Installation >10' To 15', Add	4.84	
			For Elevated Installation >15' To 20', Add	9.67	
			For Elevated Installation >20' To 25', Add	12.09	
			For Elevated Installation >25' To 30', Add	16.93	
			For Elevated Installation >30' To 35', Add	19.34	
			For Elevated Installation >35' To 40', Add	24.18	
			For Elevated Installation >40', Add	26.60	
			For Work In Restricted Working Space, Add	14.51	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.51	
26 05 33	13-2546	EA	1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	72.35	22.16
			For Elevated Installation >10' To 15', Add	5.54	
			For Elevated Installation >15' To 20', Add	11.08	
			For Elevated Installation >20' To 25', Add	13.85	
			For Elevated Installation >25' To 30', Add	19.39	
			For Elevated Installation >30' To 35', Add	22.16	
			For Elevated Installation >35' To 40', Add	27.70	
			For Elevated Installation >40', Add	30.47	
			For Work In Restricted Working Space, Add	16.62	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.62	
26 05 33	13-2547	EA	1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	97.16	25.67
			For Elevated Installation >10' To 15', Add	6.42	
			For Elevated Installation >15' To 20', Add	12.84	
			For Elevated Installation >20' To 25', Add	16.05	
			For Elevated Installation >25' To 30', Add	22.47	
			For Elevated Installation >30' To 35', Add	25.68	
			For Elevated Installation >35' To 40', Add	32.10	
			For Elevated Installation >40', Add	35.31	
			For Work In Restricted Working Space, Add	19.26	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.26	
26 05 33	13-2548	EA	1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	113.27	28.14
			For Elevated Installation >10' To 15', Add	7.03	
			For Elevated Installation >15' To 20', Add	14.07	
			For Elevated Installation >20' To 25', Add	17.59	
			For Elevated Installation >25' To 30', Add	24.62	
			For Elevated Installation >30' To 35', Add	28.14	
			For Elevated Installation >35' To 40', Add	35.17	
			For Elevated Installation >40', Add	38.69	
			For Work In Restricted Working Space, Add	21.10	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.10	
26 05 33	13-2549	EA	2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	146.21	33.77
			For Elevated Installation >10' To 15', Add	8.44	
			For Elevated Installation >15' To 20', Add	16.88	
			For Elevated Installation >20' To 25', Add	21.11	
			For Elevated Installation >25' To 30', Add	29.55	
			For Elevated Installation >30' To 35', Add	33.77	
			For Elevated Installation >35' To 40', Add	42.21	
			For Elevated Installation >40', Add	46.43	
			For Work In Restricted Working Space, Add	25.33	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.33	
26 05 33	13-2550	EA	2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	328.79	89.07
			For Elevated Installation >10' To 15', Add	22.26	
			For Elevated Installation >15' To 20', Add	44.52	
			For Elevated Installation >20' To 25', Add	55.65	
			For Elevated Installation >25' To 30', Add	77.91	
			For Elevated Installation >30' To 35', Add	89.04	
			For Elevated Installation >35' To 40', Add	111.30	
			For Elevated Installation >40', Add	122.42	
			For Work In Restricted Working Space, Add	66.78	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.78	
26 05 33	13-2551	EA	3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	310.06	63.31
			For Elevated Installation >10' To 15', Add	15.83	
			For Elevated Installation >15' To 20', Add	31.66	
			For Elevated Installation >20' To 25', Add	39.57	
			For Elevated Installation >25' To 30', Add	55.40	
			For Elevated Installation >30' To 35', Add	63.32	
			For Elevated Installation >35' To 40', Add	79.15	
			For Elevated Installation >40', Add	87.06	
			For Work In Restricted Working Space, Add	47.49	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.49	
26 05 33	13-2552	EA	3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	498.81	79.14
			For Elevated Installation >10' To 15', Add	19.78	
			For Elevated Installation >15' To 20', Add	39.57	
			For Elevated Installation >20' To 25', Add	49.46	
			For Elevated Installation >25' To 30', Add	69.24	
			For Elevated Installation >30' To 35', Add	79.14	
			For Elevated Installation >35' To 40', Add	98.92	
			For Elevated Installation >40', Add	108.81	
			For Work In Restricted Working Space, Add	59.35	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.35	
26 05 33	13-2553	EA	4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	583.01	96.37
			For Elevated Installation >10' To 15', Add	24.09	
			For Elevated Installation >15' To 20', Add	48.18	
			For Elevated Installation >20' To 25', Add	60.23	
			For Elevated Installation >25' To 30', Add	84.32	
			For Elevated Installation >30' To 35', Add	96.37	
			For Elevated Installation >35' To 40', Add	120.46	
			For Elevated Installation >40', Add	132.51	
			For Work In Restricted Working Space, Add	72.28	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.28	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-2554	Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2554)</small>		
26 05 33 13-2555	EA 1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	71.64	22.16
	For Elevated Installation >10' To 15', Add	5.54	
	For Elevated Installation >15' To 20', Add	11.08	
	For Elevated Installation >20' To 25', Add	13.85	
	For Elevated Installation >25' To 30', Add	19.39	
	For Elevated Installation >30' To 35', Add	22.16	
	For Elevated Installation >35' To 40', Add	27.70	
	For Elevated Installation >40', Add	30.47	
	For Work In Restricted Working Space, Add	16.62	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.62	
26 05 33 13-2556	EA 3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	78.41	24.62
	For Elevated Installation >10' To 15', Add	6.16	
	For Elevated Installation >15' To 20', Add	12.31	
	For Elevated Installation >20' To 25', Add	15.39	
	For Elevated Installation >25' To 30', Add	21.55	
	For Elevated Installation >30' To 35', Add	24.62	
	For Elevated Installation >35' To 40', Add	30.78	
	For Elevated Installation >40', Add	33.86	
	For Work In Restricted Working Space, Add	18.47	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.47	
26 05 33 13-2557	EA 1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	90.83	27.09
	For Elevated Installation >10' To 15', Add	6.77	
	For Elevated Installation >15' To 20', Add	13.54	
	For Elevated Installation >20' To 25', Add	16.93	
	For Elevated Installation >25' To 30', Add	23.70	
	For Elevated Installation >30' To 35', Add	27.08	
	For Elevated Installation >35' To 40', Add	33.86	
	For Elevated Installation >40', Add	37.24	
	For Work In Restricted Working Space, Add	20.31	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.31	
26 05 33 13-2558	EA 1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	107.91	30.95
	For Elevated Installation >10' To 15', Add	7.74	
	For Elevated Installation >15' To 20', Add	15.48	
	For Elevated Installation >20' To 25', Add	19.35	
	For Elevated Installation >25' To 30', Add	27.08	
	For Elevated Installation >30' To 35', Add	30.95	
	For Elevated Installation >35' To 40', Add	38.69	
	For Elevated Installation >40', Add	42.56	
	For Work In Restricted Working Space, Add	23.21	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.21	
26 05 33 13-2559	EA 1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	124.24	33.77
	For Elevated Installation >10' To 15', Add	8.44	
	For Elevated Installation >15' To 20', Add	16.88	
	For Elevated Installation >20' To 25', Add	21.10	
	For Elevated Installation >25' To 30', Add	29.54	
	For Elevated Installation >30' To 35', Add	33.76	
	For Elevated Installation >35' To 40', Add	42.21	
	For Elevated Installation >40', Add	46.43	
	For Work In Restricted Working Space, Add	25.32	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.32	
26 05 33 13-2560	EA 2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	173.11	41.50
	For Elevated Installation >10' To 15', Add	10.38	
	For Elevated Installation >15' To 20', Add	20.75	
	For Elevated Installation >20' To 25', Add	25.94	
	For Elevated Installation >25' To 30', Add	36.32	
	For Elevated Installation >30' To 35', Add	41.50	
	For Elevated Installation >35' To 40', Add	51.88	
	For Elevated Installation >40', Add	57.07	
	For Work In Restricted Working Space, Add	31.13	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.13	
26 05 33 13-2561	EA 2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	275.94	60.84
	For Elevated Installation >10' To 15', Add	15.21	
	For Elevated Installation >15' To 20', Add	30.43	
	For Elevated Installation >20' To 25', Add	38.03	
	For Elevated Installation >25' To 30', Add	53.25	
	For Elevated Installation >30' To 35', Add	60.85	
	For Elevated Installation >35' To 40', Add	76.07	
	For Elevated Installation >40', Add	83.67	
	For Work In Restricted Working Space, Add	45.64	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.64	
26 05 33 13-2562	EA 3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	403.58	79.14
	For Elevated Installation >10' To 15', Add	19.78	
	For Elevated Installation >15' To 20', Add	39.57	
	For Elevated Installation >20' To 25', Add	49.46	
	For Elevated Installation >25' To 30', Add	69.24	
	For Elevated Installation >30' To 35', Add	79.14	
	For Elevated Installation >35' To 40', Add	98.92	
	For Elevated Installation >40', Add	108.81	
	For Work In Restricted Working Space, Add	59.35	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.35	
26 05 33 13-2563	EA 3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	600.23	97.78
	For Elevated Installation >10' To 15', Add	24.45	
	For Elevated Installation >15' To 20', Add	48.89	
	For Elevated Installation >20' To 25', Add	61.11	
	For Elevated Installation >25' To 30', Add	85.56	
	For Elevated Installation >30' To 35', Add	97.78	
	For Elevated Installation >35' To 40', Add	122.23	
	For Elevated Installation >40', Add	134.45	
	For Work In Restricted Working Space, Add	73.34	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.34	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 33	13-2564	EA	4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	671.44	117.48
				<i>For Elevated Installation &gt;10' To 15', Add</i>	29.37	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	58.74	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	73.42	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	102.79	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	117.48	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	146.85	
				<i>For Elevated Installation &gt;40', Add</i>	161.53	
				<i>For Work In Restricted Working Space, Add</i>	88.11	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.11	
	26 05 33	13-2565		<b>Set Screw, Cast Aluminum Conduit Body</b> <small>(26 05 33 13-2452)</small>		
	26 05 33	13-2566		<b>Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2565)</small>		
	26 05 33	13-2567	EA	1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	24.40	6.68
				<i>For Work In Restricted Working Space, Add</i>	5.01	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.67	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	3.34	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	4.18	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	5.85	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	6.68	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	8.35	
				<i>For Elevated Installation &gt;40', Add</i>	9.19	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
	26 05 33	13-2568	EA	3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	31.24	8.79
				<i>For Work In Restricted Working Space, Add</i>	6.59	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.20	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	4.40	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	5.50	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	7.69	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	8.79	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	10.99	
				<i>For Elevated Installation &gt;40', Add</i>	12.09	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
	26 05 33	13-2569	EA	1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	42.21	10.90
				<i>For Work In Restricted Working Space, Add</i>	8.18	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.73	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	5.45	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	6.82	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	9.54	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	10.90	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	13.63	
				<i>For Elevated Installation &gt;40', Add</i>	14.99	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
	26 05 33	13-2570	EA	1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	54.68	13.36
				<i>For Work In Restricted Working Space, Add</i>	10.03	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	3.34	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	6.68	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	8.36	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	11.70	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	13.37	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	16.71	
				<i>For Elevated Installation &gt;40', Add</i>	18.38	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.03	
	26 05 33	13-2571	EA	1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	71.76	15.48
				<i>For Work In Restricted Working Space, Add</i>	11.61	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	3.87	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	7.74	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	9.67	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	13.54	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	15.48	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	19.35	
				<i>For Elevated Installation &gt;40', Add</i>	21.28	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.61	
	26 05 33	13-2572	EA	2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	94.87	17.59
				<i>For Work In Restricted Working Space, Add</i>	13.19	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	4.40	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	8.79	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	10.99	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	15.39	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	17.59	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	21.99	
				<i>For Elevated Installation &gt;40', Add</i>	24.18	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.19	
	26 05 33	13-2573		<b>Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2565)</small>		
	26 05 33	13-2574	EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	24.62	6.68
				<i>For Work In Restricted Working Space, Add</i>	5.01	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.67	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	3.34	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	4.18	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	5.85	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	6.68	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	8.35	
				<i>For Elevated Installation &gt;40', Add</i>	9.19	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 05 33 13-2575	EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	32.05	8.79
		<i>For Work In Restricted Working Space, Add</i>	6.59	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.20	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.40	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.50	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	7.69	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	8.79	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	10.99	
		<i>For Elevated Installation &gt;40', Add</i>	12.09	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 05 33 13-2576	EA	1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	39.38	10.90
		<i>For Work In Restricted Working Space, Add</i>	8.18	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.73	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.45	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.82	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.54	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.90	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	13.63	
		<i>For Elevated Installation &gt;40', Add</i>	14.99	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33 13-2577	EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	54.44	13.36
		<i>For Work In Restricted Working Space, Add</i>	10.03	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.34	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.68	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.36	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	11.70	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	13.37	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	16.71	
		<i>For Elevated Installation &gt;40', Add</i>	18.38	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.03	
26 05 33 13-2578	EA	1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	67.06	15.48
		<i>For Work In Restricted Working Space, Add</i>	11.61	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.87	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.74	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	9.67	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	13.54	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	15.48	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	19.35	
		<i>For Elevated Installation &gt;40', Add</i>	21.28	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.61	
26 05 33 13-2579	EA	2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	94.46	17.59
		<i>For Work In Restricted Working Space, Add</i>	13.19	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.40	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.79	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.99	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	15.39	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	17.59	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	21.99	
		<i>For Elevated Installation &gt;40', Add</i>	24.18	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.19	

**26 05 33 13-2580 Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <sup>(26)</sup>**

26 05 33 13-2581	EA	1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	31.68	8.79
		<i>For Work In Restricted Working Space, Add</i>	6.59	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.20	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.40	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.50	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	7.69	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	8.79	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	10.99	
		<i>For Elevated Installation &gt;40', Add</i>	12.09	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 05 33 13-2582	EA	3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	41.24	10.90
		<i>For Work In Restricted Working Space, Add</i>	8.18	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.73	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.45	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.82	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.54	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.90	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	13.63	
		<i>For Elevated Installation &gt;40', Add</i>	14.99	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33 13-2583	EA	1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	49.76	13.36
		<i>For Work In Restricted Working Space, Add</i>	10.03	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.34	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.68	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.36	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	11.70	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	13.37	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	16.71	
		<i>For Elevated Installation &gt;40', Add</i>	18.38	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.03	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2584	EA	1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....	68.66	15.48
			<i>For Work In Restricted Working Space, Add</i>	12.14	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.05	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.09	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.11	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.16	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.18	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.23	
			<i>For Elevated Installation &gt;40', Add</i>	22.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.14	
26 05 33	13-2585	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....	87.91	17.59
			<i>For Work In Restricted Working Space, Add</i>	14.24	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.75	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.50	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.99	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.74	
			<i>For Elevated Installation &gt;40', Add</i>	26.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.24	
26 05 33	13-2586	EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....	118.04	19.69
			<i>For Work In Restricted Working Space, Add</i>	16.35	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.45	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.63	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.08	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	27.26	
			<i>For Elevated Installation &gt;40', Add</i>	29.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.35	
26 05 33	13-2587		<b>Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2585)</small>		
26 05 33	13-2588	EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	25.31	6.68
			<i>For Work In Restricted Working Space, Add</i>	5.01	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.67	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.34	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.18	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.68	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.35	
			<i>For Elevated Installation &gt;40', Add</i>	9.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 33	13-2589	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	33.86	8.79
			<i>For Work In Restricted Working Space, Add</i>	6.59	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.20	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.40	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.69	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.79	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.99	
			<i>For Elevated Installation &gt;40', Add</i>	12.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 05 33	13-2590	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	43.23	10.90
			<i>For Work In Restricted Working Space, Add</i>	8.18	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.73	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.82	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.63	
			<i>For Elevated Installation &gt;40', Add</i>	14.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33	13-2591	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	55.91	13.36
			<i>For Work In Restricted Working Space, Add</i>	10.03	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.34	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.68	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.36	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.70	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.37	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.71	
			<i>For Elevated Installation &gt;40', Add</i>	18.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.03	
26 05 33	13-2592	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	67.90	15.48
			<i>For Work In Restricted Working Space, Add</i>	11.61	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.87	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.67	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.48	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.35	
			<i>For Elevated Installation &gt;40', Add</i>	21.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.61	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2593	EA		2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	102.31	17.59
			<i>For Work In Restricted Working Space, Add</i> .....	13.19	
			<i>For Elevated Installation &gt;10' To 15', Add</i> .....	4.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i> .....	8.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i> .....	10.99	
			<i>For Elevated Installation &gt;25' To 30', Add</i> .....	15.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i> .....	17.59	
			<i>For Elevated Installation &gt;35' To 40', Add</i> .....	21.99	
			<i>For Elevated Installation &gt;40', Add</i> .....	24.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.19	
<b>26 05 33 13-2594</b>			<b>Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways)</b> <small>(26 05 33 13-2452)</small>		
26 05 33 13-2595	EA		3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120).....	117.92	19.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	14.45	
26 05 33 13-2596	EA		1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250).....	431.95	35.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	26.72	
26 05 33 13-2597	EA		3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400).....	831.80	72.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	54.21	
<b>26 05 33 13-2598</b>			<b>Replacement Covers And Gaskets For Conduit Body</b> <small>(26 05 33 13-2452)</small>		
<b>26 05 33 13-2599</b>			<b>Replacement Stamped Aluminum Conduit Body Cover</b> <small>(26 05 33 13-2598)</small>		
26 05 33 13-2600	EA		1/2" Replacement Stamped Aluminum Conduit Body Cover .....	9.03	3.43
26 05 33 13-2601	EA		3/4" Replacement Stamped Aluminum Conduit Body Cover .....	11.04	4.00
26 05 33 13-2602	EA		1" Replacement Stamped Aluminum Conduit Body Cover .....	14.14	5.15
26 05 33 13-2603	EA		1-1/4" Replacement Stamped Aluminum Conduit Body Cover .....	17.20	6.29
26 05 33 13-2604	EA		1-1/2" Replacement Stamped Aluminum Conduit Body Cover .....	21.13	7.43
26 05 33 13-2605	EA		2" Replacement Stamped Aluminum Conduit Body Cover .....	25.05	8.58
26 05 33 13-2606	EA		2-1/2" Replacement Stamped Aluminum Conduit Body Cover .....	33.10	9.72
26 05 33 13-2607	EA		3" Replacement Stamped Aluminum Conduit Body Cover .....	42.85	13.71
26 05 33 13-2608	EA		3-1/2" Replacement Stamped Aluminum Conduit Body Cover .....	46.52	15.43
26 05 33 13-2609	EA		4" Replacement Stamped Aluminum Conduit Body Cover .....	58.61	19.43
<b>26 05 33 13-2610</b>			<b>Replacement Cast Steel Conduit Body Cover</b> <small>(26 05 33 13-2598)</small>		
26 05 33 13-2611	EA		1/2" Replacement Cast Steel Conduit Body Cover .....	10.51	3.43
26 05 33 13-2612	EA		3/4" Replacement Cast Steel Conduit Body Cover .....	12.33	4.00
26 05 33 13-2613	EA		1" Replacement Cast Steel Conduit Body Cover .....	17.31	5.15
26 05 33 13-2614	EA		1-1/4" Replacement Cast Steel Conduit Body Cover .....	21.50	6.29
26 05 33 13-2615	EA		1-1/2" Replacement Cast Steel Conduit Body Cover .....	26.14	7.43
26 05 33 13-2616	EA		2" Replacement Cast Steel Conduit Body Cover .....	30.77	8.58
26 05 33 13-2617	EA		2-1/2" Replacement Cast Steel Conduit Body Cover .....	35.38	9.72
26 05 33 13-2618	EA		3" Replacement Cast Steel Conduit Body Cover .....	48.22	13.71
26 05 33 13-2619	EA		3-1/2" Replacement Cast Steel Conduit Body Cover .....	54.99	15.43
26 05 33 13-2620	EA		4" Replacement Cast Steel Conduit Body Cover .....	69.31	19.43
<b>26 05 33 13-2621</b>			<b>Replacement Velbuna Composition Conduit Body Gasket</b> <small>(26 05 33 13-2598)</small>		
26 05 33 13-2622	EA		1/2" Replacement Velbuna Composition Conduit Body Gasket .....	8.37	3.43
26 05 33 13-2623	EA		3/4" Replacement Velbuna Composition Conduit Body Gasket .....	9.56	4.00
26 05 33 13-2624	EA		1" Replacement Velbuna Composition Conduit Body Gasket .....	12.49	5.15
26 05 33 13-2625	EA		1-1/4" Replacement Velbuna Composition Conduit Body Gasket .....	16.21	6.29
26 05 33 13-2626	EA		1-1/2" Replacement Velbuna Composition Conduit Body Gasket .....	18.50	7.43
26 05 33 13-2627	EA		2" Replacement Velbuna Composition Conduit Body Gasket .....	21.99	8.58
26 05 33 13-2628	EA		2-1/2" Replacement Velbuna Composition Conduit Body Gasket .....	28.93	9.72
26 05 33 13-2629	EA		3" Replacement Velbuna Composition Conduit Body Gasket .....	37.64	13.71
26 05 33 13-2630	EA		3-1/2" Replacement Velbuna Composition Conduit Body Gasket .....	41.59	15.43
26 05 33 13-2631	EA		4" Replacement Velbuna Composition Conduit Body Gasket .....	49.50	19.43
<b>26 05 33 13-2632</b>			<b>Replacement Neoprene Conduit Body Gasket</b> <small>(26 05 33 13-2598)</small>		
26 05 33 13-2633	EA		1/2" Replacement Neoprene Conduit Body Gasket .....	9.39	3.43
26 05 33 13-2634	EA		3/4" Replacement Neoprene Conduit Body Gasket .....	10.54	4.00
26 05 33 13-2635	EA		1" Replacement Neoprene Conduit Body Gasket .....	13.77	5.15
26 05 33 13-2636	EA		1-1/4" Replacement Neoprene Conduit Body Gasket .....	16.86	6.29
26 05 33 13-2637	EA		1-1/2" Replacement Neoprene Conduit Body Gasket .....	19.15	7.43
26 05 33 13-2638	EA		2" Replacement Neoprene Conduit Body Gasket .....	22.06	8.58
26 05 33 13-2639	EA		2-1/2" Replacement Neoprene Conduit Body Gasket .....	29.09	9.72
26 05 33 13-2640	EA		3" Replacement Neoprene Conduit Body Gasket .....	37.80	13.71
26 05 33 13-2641	EA		3-1/2" Replacement Neoprene Conduit Body Gasket .....	42.69	15.43
26 05 33 13-2642	EA		4" Replacement Neoprene Conduit Body Gasket .....	50.60	19.43
<b>26 05 33 16</b>			<b>Boxes for Electrical Systems</b> <small>(26 05 33)</small>		
			See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.		
<b>26 05 33 16-0001</b>			<b>Steel Junction, Device, And Fixture Boxes, Rings And Covers</b> <small>(26 05 33 16)</small>		
			Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0138 for steel box/switch assemblies.		
<b>26 05 33 16-0002</b>			<b>4" Square Steel Boxes, Rings And Covers</b> <small>(26 05 33 16-0001)</small>		
26 05 33 16-0003	EA		1-1/2" Depth, 4" Square Steel Box .....	32.08	14.44
			<i>For Stud Bracket, Add</i> .....	0.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	16-0004	EA	2-1/8" Depth, 4" Square Steel Box.....	33.53	14.44
			<i>For Stud Bracket, Add</i>	1.41	
26 05 33	16-0005	EA	3-1/2" Depth, 4" Square Steel Box.....	38.52	14.44
			<i>For Stud Bracket, Add</i>	1.54	
26 05 33	16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring.....	26.36	9.63
26 05 33	16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring.....	21.31	9.63
26 05 33	16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	11.15	4.81
26 05 33	16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring.....	11.39	4.81
26 05 33	16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	11.55	4.81
26 05 33	16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring.....	12.09	4.81
26 05 33	16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	12.25	4.81
26 05 33	16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	13.98	4.81
26 05 33	16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	11.81	4.81
26 05 33	16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring.....	11.97	4.81
26 05 33	16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	12.18	4.81
26 05 33	16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring.....	13.95	4.81
26 05 33	16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	14.31	4.81
26 05 33	16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	16.55	4.81
26 05 33	16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings.....	12.67	4.81
26 05 33	16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings.....	14.10	4.81
26 05 33	16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover.....	11.78	4.81
26 05 33	16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover.....	11.92	4.81
26 05 33	16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	11.75	4.81
26 05 33	16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover.....	12.13	4.81
26 05 33	16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	12.45	4.81
26 05 33	16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	16.41	4.81
26 05 33	16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	12.39	4.81
26 05 33	16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover.....	16.41	4.81
26 05 33	16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	12.39	4.81
26 05 33	16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	13.32	4.81
26 05 33	16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	16.41	4.81
26 05 33	16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	16.41	4.81
26 05 33	16-0034	EA	Flat, 4" Square Steel Exposed Work Cover.....	10.65	4.81
<b>26 05 33</b>	<b>16-0035</b>		<b>4-11/16" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)</b>		
26 05 33	16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box.....	37.45	14.44
26 05 33	16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box.....	34.17	14.44
			<i>For Stud Bracket, Add</i>	0.74	
26 05 33	16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box.....	50.67	14.44
26 05 33	16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring.....	27.73	9.63
26 05 33	16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring.....	28.54	9.63
26 05 33	16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	14.44	4.81
26 05 33	16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	14.48	4.81
26 05 33	16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	15.88	4.81
26 05 33	16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	15.32	4.81
26 05 33	16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	15.19	4.81
26 05 33	16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	21.02	4.81
26 05 33	16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	15.56	4.81
26 05 33	16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	15.86	4.81
26 05 33	16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	15.88	4.81
26 05 33	16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	17.94	4.81
26 05 33	16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	18.37	4.81
26 05 33	16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	23.36	4.81
26 05 33	16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	15.28	4.81
26 05 33	16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	15.43	4.81
26 05 33	16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover.....	19.30	4.81
26 05 33	16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover.....	20.38	4.81
26 05 33	16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	18.98	4.81
26 05 33	16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover.....	17.80	4.81
26 05 33	16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	21.75	4.81
26 05 33	16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	20.37	4.81
26 05 33	16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	20.37	4.81
26 05 33	16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	20.37	4.81
26 05 33	16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover.....	11.54	4.81
<b>26 05 33</b>	<b>16-0064</b>		<b>Steel Square Box Brackets (26 05 33 16-0001)</b>		
26 05 33	16-0065	EA	16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes.....	15.94	7.23
26 05 33	16-0066	EA	Single Box Bracket, One 4" Or 4-11/16" Square Box.....	11.92	4.82
26 05 33	16-0067	EA	16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes.....	19.45	7.23
26 05 33	16-0068	EA	24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes.....	21.24	7.23
<b>26 05 33</b>	<b>16-0069</b>		<b>4" Octagon Steel Boxes And Covers (26 05 33 16-0001)</b>		
26 05 33	16-0070	EA	1-1/2" Depth, 4" Steel Octagon Box.....	26.69	12.03
			<i>For Stud Bracket, Add</i>	1.91	
26 05 33	16-0071	EA	2-1/8" Depth, 4" Steel Octagon Box.....	27.96	12.03
26 05 33	16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover.....	10.57	4.81
<b>26 05 33</b>	<b>16-0073</b>		<b>4" Steel Octagonal Concrete Rings And Steel Covers (26 05 33 16-0001)</b>		
			Note: Placed in concrete slabs or walls.		
26 05 33	16-0074	EA	2" Depth, 4" Steel Octagonal Concrete Ring.....	44.26	
26 05 33	16-0075	EA	2-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	47.12	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring.....		49.29	
26 05 33 16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring.....		51.38	
26 05 33 16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring.....		56.81	
26 05 33 16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring.....		62.46	
26 05 33 16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring.....		66.71	
26 05 33 16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover .....		12.32	4.81
<b>26 05 33 16-0082</b>		<b>4-1/2" Steel Gang Boxes</b> (26 05 33 16-0001)			
26 05 33 16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....		44.69	12.03
26 05 33 16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....		49.23	13.00
26 05 33 16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....		59.99	14.44
26 05 33 16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....		80.27	15.88
26 05 33 16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....		123.22	17.33
26 05 33 16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....		64.31	12.03
26 05 33 16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....		70.14	13.00
26 05 33 16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....		95.30	14.44
26 05 33 16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....		124.19	15.88
26 05 33 16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....		210.04	17.33
26 05 33 16-0093	EA	2 Device, Gang Box Mud Ring.....		19.84	4.81
26 05 33 16-0094	EA	3 Device, Gang Box Mud Ring.....		20.17	4.81
26 05 33 16-0095	EA	4 Device, Gang Box Mud Ring.....		23.95	4.81
26 05 33 16-0096	EA	5 Device, Gang Box Mud Ring.....		30.45	4.81
26 05 33 16-0097	EA	6 Device, Gang Box Mud Ring.....		44.71	4.81
26 05 33 16-0098	EA	2 Device, Gang Box Flat Cover.....		16.59	4.81
26 05 33 16-0099	EA	3 Device, Gang Box Flat Cover.....		20.13	4.81
26 05 33 16-0100	EA	4 Device, Gang Box Flat Cover.....		24.83	4.81
26 05 33 16-0101	EA	5 Device, Gang Box Flat Cover.....		30.82	4.81
26 05 33 16-0102	EA	6 Device, Gang Box Flat Cover.....		45.72	4.81
<b>26 05 33 16-0103</b>		<b>Steel Switch Boxes</b> (26 05 33 16-0001)			
26 05 33 16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....		29.14	12.03
26 05 33 16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....		29.68	12.03
26 05 33 16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....		32.52	12.03
26 05 33 16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box .....		38.89	12.03
26 05 33 16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box .....		39.44	12.03
26 05 33 16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box .....		48.07	12.03
<b>26 05 33 16-0110</b>		<b>4" x 2" Steel Handy Boxes, Extension Rings And Covers</b> (26 05 33 16-0001)			
26 05 33 16-0111	EA	1-1/2" Deep, 4" x 2" Steel Handy Box .....		26.55	12.03
		For Stud Bracket, Add .....		3.07	
26 05 33 16-0112	EA	1-7/8" Deep, 4" x 2" Steel Handy Box .....		27.14	12.03
		For Stud Bracket, Add .....		1.32	
26 05 33 16-0113	EA	2-1/8" Deep, 4" x 2" Steel Handy Box .....		28.44	12.03
		For Stud Bracket, Add .....		1.80	
26 05 33 16-0114	EA	1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring .....		18.00	7.22
26 05 33 16-0115	EA	1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring .....		17.41	7.22
26 05 33 16-0116	EA	GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover.....		6.10	2.41
26 05 33 16-0117	EA	1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....		6.21	2.41
26 05 33 16-0118	EA	Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover .....		5.65	2.41
26 05 33 16-0119	EA	Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover.....		5.69	2.41
26 05 33 16-0120	EA	1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....		6.81	2.41
26 05 33 16-0121	EA	Flat, 2" x 4" Steel Handy Box Exposed Work Cover .....		5.69	2.41
<b>26 05 33 16-0122</b>		<b>3"-1/2" Depth, 3-3/4" Steel Masonry Boxes</b> (26 05 33 16-0001)			
26 05 33 16-0123	EA	1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box .....		40.59	16.85
26 05 33 16-0124	EA	2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box .....		46.03	17.81
26 05 33 16-0125	EA	3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box .....		53.45	19.25
26 05 33 16-0126	EA	4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box .....		61.33	21.18
<b>26 05 33 16-0127</b>		<b>Cast Boxes</b> (26 05 33 16)			
		Note: For flush or surface mount.			
<b>26 05 33 16-0128</b>		<b>Cast Iron Alloy Boxes</b> (26 05 33 16-0127)			
		See CSI section 26 27 26 00-0277 for box covers.			
<b>26 05 33 16-0129</b>		<b>Shallow, Single Gang Cast Iron Alloy Boxes</b> (26 05 33 16-0128)			
		Note: Up to 2" deep boxes.			
26 05 33 16-0130	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box .....		82.41	28.88
		Note: One hub.			
26 05 33 16-0131	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box .....		88.82	33.69
		Note: One hub.			
26 05 33 16-0132	EA	1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box .....		104.59	40.91
		Note: One hub.			
26 05 33 16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box.....		103.02	38.51
		Note: Two hub.			
26 05 33 16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box.....		131.65	45.73
		Note: Two hub.			
26 05 33 16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box .....		102.60	38.51
		Note: Two hub.			
26 05 33 16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box .....		123.37	45.73
		Note: Two hubs.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	105.26	38.51
26 05 33	16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	123.41	45.73
26 05 33	16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	102.60	38.51
26 05 33	16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	120.13	45.73
26 05 33	16-0141	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	122.29	48.13
26 05 33	16-0142	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	144.74	57.76
26 05 33	16-0143	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	127.40	48.13
26 05 33	16-0144	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	164.21	57.76
26 05 33	16-0145	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	130.73	48.13
26 05 33	16-0146	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	156.21	57.76
26 05 33	16-0147	EA	1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	121.86	48.13
26 05 33	16-0148	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	158.46	57.76
26 05 33	16-0149	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box..... Note: Four hubs.	155.28	57.76
26 05 33	16-0150	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box..... Note: Four hubs.	187.34	69.79
26 05 33	16-0151		<b>Deep, Single Gang Cast Iron Alloy Boxes</b> (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33	16-0152	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	86.17	28.88
26 05 33	16-0153	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	99.25	33.69
26 05 33	16-0154	EA	1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	116.63	40.91
26 05 33	16-0155	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	109.89	38.51
26 05 33	16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	126.91	45.73
26 05 33	16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	152.55	55.35
26 05 33	16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	136.28	45.73
26 05 33	16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	175.31	57.76
26 05 33	16-0160		<b>Shallow, Two Gang Cast Iron Alloy Boxes</b> (26 05 33 16-0128) Note: Up to 2" deep boxes.		
26 05 33	16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	99.05	31.29
26 05 33	16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	109.77	36.10
26 05 33	16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	127.56	43.32
26 05 33	16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	120.10	40.91
26 05 33	16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	136.47	48.13
26 05 33	16-0166		<b>Deep, Two Gang Cast Iron Alloy Boxes</b> (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33	16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box..... Note: One hub.	110.33	31.29
26 05 33	16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box..... Note: One hub.	120.39	36.10
26 05 33	16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	137.09	40.91
26 05 33	16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	154.42	48.13
26 05 33	16-0171		<b>Cast Aluminum Boxes</b> (26 05 33 16-0127) See CSI section 26 27 26 00-0277 for box covers.		
26 05 33	16-0172		<b>Shallow, Single Gang Cast Aluminum Boxes</b> (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33	16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	72.78	24.07
26 05 33	16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	83.40	28.88
26 05 33	16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	92.80	36.10
26 05 33	16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	68.40	24.07

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0177 EA 3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	86.48	28.88
26 05 33 16-0178 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	92.47	33.69
26 05 33 16-0179 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	111.09	40.91
26 05 33 16-0180 EA 1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	139.38	50.54
26 05 33 16-0181 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	100.08	33.69
26 05 33 16-0182 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	107.38	40.91
26 05 33 16-0183 EA 1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	95.75	33.69
26 05 33 16-0184 EA 3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	109.97	40.91
26 05 33 16-0185 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	92.95	33.69
26 05 33 16-0186 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	109.97	40.91
26 05 33 16-0187 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	86.49	33.69
26 05 33 16-0188 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	116.84	40.91
26 05 33 16-0189 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	110.19	43.32
26 05 33 16-0190 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	133.89	52.95
26 05 33 16-0191 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	116.88	43.32
26 05 33 16-0192 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	157.09	52.95
26 05 33 16-0193 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	116.32	43.32
26 05 33 16-0194 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	142.72	52.95
26 05 33 16-0195 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	144.71	52.95
26 05 33 16-0196 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	141.85	52.95
26 05 33 16-0197 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	173.16	64.98
<b>26 05 33 16-0198 Deep, Single Gang Cast Aluminum Boxes</b> (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0199 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	80.55	24.07
26 05 33 16-0200 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	96.50	28.88
26 05 33 16-0201 EA 1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	110.82	36.10
26 05 33 16-0202 EA 3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	103.59	28.88
26 05 33 16-0203 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	102.51	33.69
26 05 33 16-0204 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	123.42	40.91
26 05 33 16-0205 EA 1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	138.22	50.54
26 05 33 16-0206 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	125.07	40.91
26 05 33 16-0207 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box..... Note: Three hubs.	153.07	52.95
<b>26 05 33 16-0208 Shallow, Two Gang Cast Aluminum Boxes</b> (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0209 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	96.25	26.47
26 05 33 16-0210 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	110.25	31.29
26 05 33 16-0211 EA 1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	118.55	38.51
26 05 33 16-0212 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	120.39	36.10
26 05 33 16-0213 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	123.02	43.32
26 05 33 16-0214 EA 1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	151.94	52.95
<b>26 05 33 16-0215 Deep, Two Gang Cast Aluminum Boxes</b> (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0216 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box..... Note: One hub.	96.16	26.47
26 05 33 16-0217 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box..... Note: One hub.	111.30	31.29

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0218 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	122.82	36.10
26 05 33 16-0219 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	139.26	43.32
26 05 33 16-0220 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	122.82	36.10
26 05 33 16-0221 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	139.26	43.32
<b>26 05 33 16-0222 Shallow, Three Gang Cast Aluminum Boxes</b> (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0223 EA 1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box ..... Note: Two hubs.	128.92	38.51
26 05 33 16-0224 EA 3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box ..... Note: Two hubs.	144.74	45.73
<b>26 05 33 16-0225 Deep, Three Gang Cast Aluminum Boxes</b> (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0226 EA 3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box ..... Note: One hub.	146.64	33.69
26 05 33 16-0227 EA 1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box ..... Note: One hub.	163.56	40.91
<b>26 05 33 16-0228 Cast Aluminum Explosion Proof Outlet Bodies</b> (26 05 33 16-0127) Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229 EA 1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	151.84	38.51
26 05 33 16-0230 EA 3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	188.09	43.32
26 05 33 16-0231 EA 1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	172.27	48.13
26 05 33 16-0232 EA 1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body.....	168.29	43.32
26 05 33 16-0233 EA 3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA.....	205.08	48.13
<b>26 05 33 16-0234 Non Metallic (PVC) Boxes</b> (26 05 33 16) See CSI section 26 27 26 00-0277 for box covers.		
<b>26 05 33 16-0235 Shallow, Single Gang Non Metallic (PVC) Boxes</b> (26 05 33 16-0234)		
26 05 33 16-0236 EA 1/2" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	51.01	20.22
26 05 33 16-0237 EA 3/4" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	58.08	23.59
26 05 33 16-0238 EA 1" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	65.41	28.64
26 05 33 16-0239 EA 1/2" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	64.82	26.96
26 05 33 16-0240 EA 3/4" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	76.01	32.01
26 05 33 16-0241 EA 1" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	92.22	38.75
26 05 33 16-0242 EA 1/2" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	65.10	26.96
26 05 33 16-0243 EA 3/4" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	75.26	32.01
26 05 33 16-0244 EA 1" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	89.66	38.75
26 05 33 16-0245 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	82.36	33.69
26 05 33 16-0246 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	92.86	40.43
26 05 33 16-0247 EA 1" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	108.83	48.86
<b>26 05 33 16-0248 Deep, Single Gang Non Metallic (PVC) Boxes</b> (26 05 33 16-0234)		
26 05 33 16-0249 EA No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box ..... Note: No hubs.	51.83	20.22
26 05 33 16-0250 EA 1/2" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	50.39	20.22
26 05 33 16-0251 EA 3/4" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	60.04	23.59
26 05 33 16-0252 EA 1" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	66.21	28.64
26 05 33 16-0253 EA 1/2" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	66.44	26.96
26 05 33 16-0254 EA 3/4" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	73.89	32.01
26 05 33 16-0255 EA 1" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	88.09	38.75
<b>26 05 33 16-0256 Shallow, Two Gang Non Metallic (PVC) Boxes</b> (26 05 33 16-0234)		
26 05 33 16-0257 EA 1/2" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	54.81	21.90
26 05 33 16-0258 EA 3/4" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	62.70	25.27

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	16-0259	EA	1" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	68.93	30.32
26 05 33	16-0260	EA	1/2" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	66.39	28.64
26 05 33	16-0261	EA	3/4" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	82.90	33.69
26 05 33	16-0262	EA	1" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	97.81	40.43
26 05 33	16-0263	EA	1/2" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	68.31	28.64
26 05 33	16-0264	EA	3/4" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	88.21	33.69
26 05 33	16-0265	EA	1" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	93.56	40.43
26 05 33	16-0266	EA	1/2" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: Three hubs.	83.34	35.38
26 05 33	16-0267	EA	3/4" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: Three hubs.	111.72	42.12
26 05 33	16-0268	EA	1" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: Three hubs.	112.07	50.54
26 05 33	16-0269		<b>Poke Thru Units</b> <small>(26 05 33 16)</small>		
26 05 33	16-0270		<b>Surface Poke Thru Units</b> <small>(26 05 33 16-0269)</small>		
26 05 33	16-0271	EA	Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	511.78	36.10
26 05 33	16-0272	EA	Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements..... Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.	326.42	
26 05 33	16-0273	EA	20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit ..... Note: Wiremold RC37REC.	42.28	9.63
26 05 33	16-0274	EA	Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit ..... Note: Wiremold RC3APTCBK.	54.39	4.81
26 05 33	16-0275	EA	Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	579.94	38.51
26 05 33	16-0276	EA	Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements..... Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	304.90	
26 05 33	16-0277	EA	Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC4REC2.	73.47	14.44
26 05 33	16-0278	EA	Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit ..... Note: Wiremold RC4APTCBK.	54.39	4.81
26 05 33	16-0279	EA	Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit ..... Note: Wiremold ABPLUG4.	160.61	9.63
26 05 33	16-0280	EA	Four Jack RC9AMD Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	457.37	33.69
26 05 33	16-0281	EA	Abandonment Plate For RC9 Series Communications Poke Thru Unit..... Note: Wiremold RC9APTCBK.	37.09	4.81
26 05 33	16-0282	EA	Eight Jack AMD8 Communications Poke Thru Unit ..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	455.18	33.69
26 05 33	16-0283	EA	Communication Conduit Adapter For Poke Thru Units ..... Note: Includes two conduit connections for communication systems. Wiremold COM75.	52.49	4.81
26 05 33	16-0284		<b>Recessed Poke Thru Units</b> <small>(26 05 33 16-0269)</small>		
26 05 33	16-0285		<b>Evolution 6AT Poke Thru Units</b> <small>(26 05 33 16-0284)</small>		
26 05 33	16-0286	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	777.02	38.51
26 05 33	16-0287	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP)..... Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	777.12	38.51
26 05 33	16-0288	EA	Recessed Assembly With Surface Style Cover (Wiremold 6ATC) ..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	740.09	38.51
26 05 33	16-0289	EA	Recessed Assembly With Flush Style Cover (Wiremold 6AT) ..... Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	740.09	38.51
26 05 33	16-0290	EA	Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	777.02	38.51



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0291	EA			Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA).....777.02 Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	777.02	38.51
26 05 33 16-0292	EA			Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) .....708.84 Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	708.84	38.51
26 05 33 16-0293	EA			Recessed Assembly With Disposable Plate (Wiremold 6STC).....441.16 Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	441.16	36.10
26 05 33 16-0294	EA			Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) .....473.82 Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	473.82	36.10
26 05 33 16-0295	EA			Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP).....477.06 Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	477.06	36.10
26 05 33 16-0296	EA			6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) .....132.78 Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	132.78	19.25
26 05 33 16-0297	EA			Surface Style Cover Assembly (Wiremold 6CTC).....314.77 Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	314.77	9.63
26 05 33 16-0298	EA			Flush Style Cover Assembly (Wiremold 6CT) .....314.77 Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	314.77	9.63
26 05 33 16-0299	EA			Furniture Feed Cover Assembly (Wiremold 6CFFTC) .....261.22 Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	261.22	9.63
26 05 33 16-0300	EA			Tile Shim (Wiremold 6TS) .....37.51 Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	37.51	2.41
26 05 33 16-0301	EA			Device Mounting Plate (Wiremold 6AAP).....17.40 Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	17.40	4.81
26 05 33 16-0302	EA			Device Mounting Plate (Wiremold 6ACT8A) .....20.30 Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	20.30	4.81
26 05 33 16-0303	EA			Device Mounting Plate (Wiremold 6B) .....17.31 Note: Device plate used to blank off center compartment, when no devices are used.	17.31	4.81
26 05 33 16-0304	EA			Device Mounting Plate (Wiremold 6DEC) .....17.37 Note: Device plate that will accept Decorator style devices such as 20A receptacles, GFCLs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	17.37	4.81
26 05 33 16-0305	EA			Device Mounting Plate (Wiremold 6DP).....17.24 Note: Device plate that will accept standard 20A duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	17.24	4.81
26 05 33 16-0306	EA			Device Mounting Plate (Wiremold 6MAAP).....20.60 Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	20.60	4.81
26 05 33 16-0307	EA			Device Mounting Plate (Wiremold 6MAAP2A) .....20.37 Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	20.37	4.81
26 05 33 16-0308	EA			Mosaic Mounting Plate (Wiremold 6MOS) .....20.90 Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	20.90	4.81
26 05 33 16-0309	EA			Device Mounting Plate (Wiremold 6S1) .....16.97 Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	16.97	4.81
26 05 33 16-0310	EA			Device Mounting Plate (Wiremold 6S2) .....16.98 Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	16.98	4.81
26 05 33 16-0311	EA			Device Mounting Plate (Wiremold 6SER) .....16.73 Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	16.73	4.81
26 05 33 16-0312	EA			Device Mounting Plate (Wiremold 6TRAC) .....16.73 Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	16.73	4.81
26 05 33 16-0313	EA			20 Amperes, Duplex Receptacles (Wiremold 68REC).....41.49 Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	41.49	7.22
26 05 33 16-0314	EA			Device Mounting Plate (Wiremold 68B) .....15.20 Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	15.20	4.81
26 05 33 16-0315	EA			Device Mounting Plate (Wiremold 68MAAP) .....15.62 Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	15.62	4.81
26 05 33 16-0316	EA			20 Amperes, Duplex Receptacles (Wiremold 68REC-25).....134.33 Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	134.33	8.66

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	16-0317	EA	Device Mounting Plate (Wiremold 682A) ..... Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	20.10	4.81
26 05 33	16-0318	EA	Bottom Housing Assembly (Wiremold 5PTHA) ..... Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	21.01	4.81
26 05 33	16-0319	EA	Bottom Housing Assembly (Wiremold 5BLH) ..... Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	21.65	4.81
26 05 33	16-0320	EA	Bottom Housing Assembly (Wiremold 152CHA) ..... Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCF). Covers the center compartment and one of the side compartments.	32.63	9.63
26 05 33	16-0321	EA	Bottom Housing Assembly (Wiremold 575CHA) ..... Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	37.11	12.03
26 05 33	16-0322	EA	Bottom Housing Assembly (Wiremold 175CHA) ..... Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	41.27	12.03
26 05 33	16-0323	EA	Bottom Housing Assembly (Wiremold 1125CHA) ..... Note: One-gang 1 1/4" trade size conduit housing assembly.	31.22	9.63
26 05 33	16-0324	EA	Bottom Housing Assembly (Wiremold 1PTHA) ..... Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	20.85	4.81
26 05 33	16-0325	EA	Bottom Housing Assembly (Wiremold 1BLH) ..... Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	20.85	4.81
26 05 33	16-0326	EA	Bottom Housing Assembly (Wiremold 15FFHA) ..... Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	22.05	4.81
26 05 33	16-0327	EA	Bottom Housing Assembly (Wiremold 1BHA) ..... Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	22.86	4.81
<b>26 05 33</b>	<b>16-0328</b>		<b>Evolution 8AT Poke Thru Units</b> (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33	16-0329	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) ..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,022.64	38.51
26 05 33	16-0330	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) ..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	972.81	38.51
26 05 33	16-0331	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8AT2P) ..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,033.92	38.51
26 05 33	16-0332	EA	Recessed Assembly With Surface Style Cover (Wiremold 8ATC) ..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	963.43	38.51
26 05 33	16-0333	EA	Recessed Assembly With Flush Style Cover (Wiremold 8AT) ..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	954.54	38.51
26 05 33	16-0334	EA	Recessed Assembly With Disposable Plate (Wiremold 8STC) ..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	573.01	36.10
26 05 33	16-0335	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) ..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	643.21	36.10
26 05 33	16-0336	EA	8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) ..... Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	160.18	19.25
26 05 33	16-0337	EA	Surface Style Cover Assembly (Wiremold 8CTC) ..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	340.63	9.63
26 05 33	16-0338	EA	Flush Style Cover Assembly (Wiremold 8CT) ..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	340.63	9.63
26 05 33	16-0339	EA	Tile Shim (Wiremold 8TS) ..... Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	58.82	2.41
26 05 33	16-0340	EA	Device Mounting Plate (Wiremold 8B) ..... Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	18.02	4.81
26 05 33	16-0341	EA	Device Mounting Plate (Wiremold 8DP) ..... Note: Singlegang device plate that accepts standard 20A duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	18.13	4.81
26 05 33	16-0342	EA	Device Mounting Plate (Wiremold 8DEC) ..... Note: Singlegang device plate that will accept Decorator style devices such as 20A receptacles, GGCIs, 106 adapters or AV devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	18.26	4.81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	16-0343	EA	Device Mounting Plate (Wiremold 8ACT6A) ..... Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	21.37	4.81
26 05 33	16-0344	EA	Mosaic Mounting Plate (Wiremold 8MOS) ..... Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	26.16	4.81
26 05 33	16-0345	EA	Crestron Double Gang Plate (Wiremold 8CREST) ..... Note: Device plate accepts Crestron double-gang decorator style devices.	26.12	4.81
26 05 33	16-0346	EA	Device Mounting Plate (Wiremold 8S1) ..... Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	17.44	4.81
26 05 33	16-0347	EA	Device Mounting Plate (Wiremold 8S2) ..... Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	17.67	4.81
26 05 33	16-0348	EA	Device Mounting Plate (Wiremold 8TRAC) ..... Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	17.44	4.81
26 05 33	16-0349	EA	Device Mounting Plate (Wiremold 8SER) ..... Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	17.44	4.81
26 05 33	16-0350	EA	Device Mounting Plate (Wiremold 8MAAP) ..... Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	25.73	4.81
26 05 33	16-0351	EA	Device Mounting Plate (Wiremold 8AAP) ..... Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	21.23	4.81
26 05 33	16-0352	EA	8" Divider (Wiremold 8DIV) ..... Note: Divider allows for separation of services when required.	24.67	4.81
26 05 33	16-0353	EA	Bottom Housing Assembly (Wiremold 22CHA) ..... Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	32.63	9.63
<b>26 05 33 23 Surface Raceways for Electrical Systems (26 05 33)</b>					
<b>26 05 33 23-0001 Raceways (26 05 33 23)</b>					
<b>26 05 33 23-0002 Wireway With Screw Cover (26 05 33 23-0001)</b> Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.					
<b>26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover (26 05 33 23-0002)</b>					
26 05 33	23-0004	LF	2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	20.86 0.60 0.44	4.39
26 05 33	23-0005	EA	2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	17.57 0.22	6.59
26 05 33	23-0006	EA	2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	20.82 0.22	8.23
26 05 33	23-0007	EA	2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	43.61 0.64	15.39
26 05 33	23-0008	EA	2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	69.17 1.92	15.39
26 05 33	23-0009	EA	2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	102.35 2.93	21.89
26 05 33	23-0010	EA	2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	114.85 3.32	24.18
<b>26 05 33 23-0011 4" x 4", Wireway With Screw Cover (26 05 33 23-0002)</b>					
26 05 33	23-0012	LF	4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	25.57 0.73 0.55	5.54
26 05 33	23-0013	LF	4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	45.40 1.72 0.55	5.54
26 05 33	23-0014	EA	4" x 4", End Plate For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	14.24 0.23	4.84
26 05 33	23-0015	EA	4" x 4", Coupling For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	23.04 0.23	9.23
26 05 33	23-0016	EA	4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	51.58 0.70	18.82
26 05 33	23-0017	EA	4" x 4", Elbow For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	79.68 2.10	18.82
26 05 33	23-0018	EA	4" x 4", Tee For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	112.59 3.18	24.45
26 05 33	23-0019	EA	4" x 4", Cross For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	130.09 3.65	28.58
<b>26 05 33 23-0020 6" x 6", Wireway With Screw Cover (26 05 33 23-0002)</b>					
26 05 33	23-0021	LF	6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	38.03 1.24 0.66	6.59
26 05 33	23-0022	LF	6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	72.78 2.98 0.66	6.59
26 05 33	23-0023	EA	6" x 6", End Plate For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	17.90 0.37	5.28
26 05 33	23-0024	EA	6" x 6", Coupling For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	29.33 0.37	11.00

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0025	EA		6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	72.26 1.43	21.89
26 05 33 23-0026	EA		6" x 6", Elbow For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	101.94 2.91	21.89
26 05 33 23-0027	EA		6" x 6", Tee For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	159.27 5.23	27.35
26 05 33 23-0028	EA		6" x 6", Cross For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	172.90 5.48	31.65
<b>26 05 33 23-0029</b>			<b>8" x 8", Wireway With Screw Cover</b> <small>(26 05 33 23-0002)</small>		
26 05 33 23-0030	LF		8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	60.90 2.33 0.72	7.21
26 05 33 23-0031	LF		8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	110.41 4.80 0.72	7.21
26 05 33 23-0032	EA		8" x 8", End Plate For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	19.70 0.41	5.72
26 05 33 23-0033	EA		8" x 8", Coupling For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	32.02 0.41	11.87
26 05 33 23-0034	EA		8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	80.60 1.62	24.10
26 05 33 23-0035	EA		8" x 8", Elbow For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	128.79 4.03	24.10
26 05 33 23-0036	EA		8" x 8", Tee For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	191.13 6.59	29.73
26 05 33 23-0037	EA		8" x 8", Cross For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	266.11 9.70	36.06
<b>26 05 33 23-0038</b>			<b>10" x 10", Wireway With Screw Cover</b> <small>(26 05 33 23-0002)</small>		
26 05 33 23-0039	LF		10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	88.13 3.57 0.84	8.36
26 05 33 23-0040	LF		10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	155.14 6.92 0.84	8.36
26 05 33 23-0041	EA		10" x 10", End Plate For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	27.39 0.71	6.59
26 05 33 23-0042	EA		10" x 10", Coupling For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	40.58 0.71	13.19
26 05 33 23-0043	EA		10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	106.73 2.71	26.20
26 05 33 23-0044	EA		10" x 10", Elbow For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	202.35 7.50	26.20
26 05 33 23-0045	EA		10" x 10", Tee For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	305.15 11.95	33.07
26 05 33 23-0046	EA		10" x 10", Cross For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	434.02 17.96	37.37
<b>26 05 33 23-0047</b>			<b>12" x 12", Wireway With Screw Cover</b> <small>(26 05 33 23-0002)</small>		
26 05 33 23-0048	LF		12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	103.54 4.17 1.01	10.11
26 05 33 23-0049	LF		12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	170.87 7.53 1.01	10.11
26 05 33 23-0050	EA		12" x 12", End Plate For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	35.77 1.09	7.03
26 05 33 23-0051	EA		12" x 12", Coupling For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	49.84 1.09	14.06
26 05 33 23-0052	EA		12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	139.22 4.10	28.58
26 05 33 23-0053	EA		12" x 12", Elbow For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	265.84 10.43	28.58
26 05 33 23-0054	EA		12" x 12", Tee For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	342.60 13.61	35.17
26 05 33 23-0055	EA		12" x 12", Cross For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	555.84 23.84	39.57
<b>26 05 33 23-0056</b>			<b>Surface Metal Raceways</b> <small>(26 05 33 23-0001)</small> Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
<b>26 05 33 23-0057</b>			<b>One Piece Surface Metal Raceways</b> <small>(26 05 33 23-0056)</small> Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
<b>26 05 33 23-0058</b>			<b>3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500)</b> <small>(26 05 33 23-0057)</small> Note: Available in ivory.		
26 05 33 23-0059	LF		3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500) ..... <i>For Concrete Or Masonry Surface, Add</i>	3.94 0.13	1.31
26 05 33 23-0060	EA		Bushing (Wiremold #502).....	3.82	1.76
26 05 33 23-0061	EA		One Or Two Hole Strap (Wiremold #504).....	3.86	1.76

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 23-0062	EA		Connection Cover (Wiremold #506).....	4.01	1.76
26 05 33 23-0063	EA		Flat 90 Degree Elbow (Wiremold #511).....	6.14	2.11
26 05 33 23-0064	EA		Flat 45 Degree Elbow (Wiremold #512).....	10.30	2.20
26 05 33 23-0065	EA		Adjustable Internal Elbow (Wiremold #517).....	7.66	2.64
26 05 33 23-0066	EA		Adjustable External Elbow (Wiremold #518).....	7.48	2.64

**26 05 33 23-0067 3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700)** (26 05 33 23-0067)

Note: Available in ivory and white.

26 05 33 23-0068	LF		3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700).....	4.97	1.76
			<i>For Concrete Or Masonry Surface, Add</i>	0.18	
26 05 33 23-0069	EA		Bushing (Wiremold #702).....	3.93	1.76
26 05 33 23-0070	EA		One Or Two Hole Strap (Wiremold #704).....	4.05	1.76
26 05 33 23-0071	EA		Connection Cover (Wiremold #706).....	4.08	1.76
26 05 33 23-0072	EA		Flat 90 Degree Elbow (Wiremold #711).....	9.02	3.52
26 05 33 23-0073	EA		Flat 45 Degree Elbow (Wiremold #712).....	14.32	3.52
26 05 33 23-0074	EA		Adjustable Internal Elbow (Wiremold #717).....	9.75	3.52
26 05 33 23-0075	EA		Adjustable External Elbow (Wiremold #718).....	9.42	3.52

**26 05 33 23-0076 One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700)**

**Fittings** (26 05 33 23-0057)  
 Note: Available in ivory.

26 05 33 23-0077	EA		18" Flex Fitting, For #500 Or 700 (Wiremold #5700F).....	27.42	2.64
26 05 33 23-0078	EA		Galvanized Coupling For #500 Or 700 (Wiremold #5701).....	4.04	1.76
26 05 33 23-0079	EA		Supporting Clip, For #500 Or 700 (Wiremold #5703).....	4.04	1.76
26 05 33 23-0080	EA		Ground Clamp (Wiremold #5709).....	11.87	2.64
26 05 33 23-0081	EA		Grounding Connector (Wiremold #5709GC).....	10.00	2.64
26 05 33 23-0082	EA		L Or R (Left Or Right) Twisted Internal EII (Wiremold #5711).....	11.31	3.52
26 05 33 23-0083	EA		Tee (Wiremold #5715).....	12.70	4.39
26 05 33 23-0084	EA		2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719).....	22.35	3.52
26 05 33 23-0085	EA		Utility Box For #500 Or #700 (Wiremold #57242).....	17.15	3.52
26 05 33 23-0086	EA		2-3/8" Diameter, Blank Cover (Wiremold #5731).....	9.19	2.20
26 05 33 23-0087	EA		3" Diameter, Outlet Box (Wiremold #5733).....	21.28	3.52
26 05 33 23-0088	EA		4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735).....	21.19	3.52
26 05 33 23-0089	EA		4-3/8" Blank Cover (Wiremold #5736).....	9.76	2.20
26 05 33 23-0090	EA		4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737).....	19.24	3.52
26 05 33 23-0091	EA		5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A).....	18.55	3.52
26 05 33 23-0092	EA		4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738).....	18.72	3.52
26 05 33 23-0093	EA		5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A).....	18.72	3.52
26 05 33 23-0094	EA		5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF).....	21.19	3.52
26 05 33 23-0095	EA		6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739).....	20.93	3.52
26 05 33 23-0096	EA		6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A).....	22.36	3.52
26 05 33 23-0097	EA		Standard Switch Box For #500, Or #700 (Wiremold #57240).....	25.09	5.72
26 05 33 23-0098	EA		Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G).....	39.57	11.00
26 05 33 23-0099	EA		2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741).....	18.85	5.72
26 05 33 23-0100	EA		1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744).....	30.11	5.72
26 05 33 23-0101	EA		2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2).....	34.58	5.72
26 05 33 23-0102	EA		3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3).....	52.74	5.72
26 05 33 23-0103	EA		1 Gang, Signal Box (Wiremold #5744S).....	27.30	4.84
26 05 33 23-0104	EA		2 Gang, Signal Box (Wiremold #5744S-2).....	30.52	4.84
26 05 33 23-0105	EA		3 Gang, Signal Box (Wiremold #5744S-3).....	49.20	4.84
26 05 33 23-0106	EA		4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745).....	19.70	5.72
26 05 33 23-0107	EA		4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747).....	17.26	5.72
26 05 33 23-0108	EA		4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2).....	24.48	5.72
26 05 33 23-0109	EA		4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3).....	48.10	5.72
26 05 33 23-0110	EA		4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748).....	18.49	5.72
26 05 33 23-0111	EA		4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2).....	25.94	5.72
26 05 33 23-0112	EA		4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3).....	46.74	5.72
26 05 33 23-0113	EA		4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4).....	69.61	5.72
26 05 33 23-0114	EA		4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5).....	115.10	5.72
26 05 33 23-0115	EA		4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6).....	117.13	5.72
26 05 33 23-0116	EA		4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S).....	18.25	5.72
26 05 33 23-0117	EA		4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751).....	17.73	5.72
26 05 33 23-0118	EA		4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2).....	23.75	5.72
26 05 33 23-0119	EA		4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3).....	47.19	5.72
26 05 33 23-0120	EA		4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A).....	19.21	5.72
26 05 33 23-0121	EA		4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752).....	25.02	5.72
26 05 33 23-0122	EA		4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753).....	36.26	5.72
26 05 33 23-0123	EA		Blank Extension Box (Wiremold #5760).....	12.58	2.20
26 05 33 23-0124	EA		1/2" Special Nipple (Wiremold #5780).....	11.97	2.20
26 05 33 23-0125	EA		1/2" Box Connector (Wiremold #5781).....	7.89	2.20
26 05 33 23-0126	EA		3/4" Box Connector (Wiremold #5781A).....	15.04	2.64
26 05 33 23-0127	EA		1/2" Conduit Connector (Wiremold #5782).....	7.97	2.20
26 05 33 23-0128	EA		3/4" Conduit Connector (Wiremold #5782A).....	18.90	2.64
26 05 33 23-0129	EA		1/2" Elbow Conduit Connector (Wiremold #5784).....	16.91	2.64
26 05 33 23-0130	EA		Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785).....	9.30	2.64
26 05 33 23-0131	EA		Offset Connector (Wiremold #5786).....	15.68	2.64
26 05 33 23-0132	EA		Armor Cable Connector (Wiremold #5790B).....	8.09	2.20
26 05 33 23-0133	EA		1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791).....	7.19	1.76

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 23-0134		<b>1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500)</b> <sup>(26 05 33 23-0057)</sup>			
		Note: Galvanized finish.			
26 05 33 23-0135	LF	1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10).....	7.19		2.20
		<i>For Concrete Or Masonry Surface, Add</i>	0.22		
26 05 33 23-0136	EA	Wire Clip (Wiremold #1500WC).....	4.45		1.76
26 05 33 23-0137	EA	Bushing (Wiremold #1502).....	5.25		2.20
26 05 33 23-0138	EA	2-Hole Strap (Wiremold #1504).....	5.93		2.64
26 05 33 23-0139	EA	Flat Elbow (Wiremold #1511).....	23.12		8.36
26 05 33 23-0140	EA	Internal Elbow (Wiremold #1517).....	23.91		8.36
26 05 33 23-0141	EA	Adapter Fitting (Wiremold #1517B).....	25.76		8.36
26 05 33 23-0142	EA	External Elbow (Wiremold #1518).....	25.61		8.36
26 05 33 23-0143	EA	Utility Box (Wiremold #1528).....	23.30		5.72
26 05 33 23-0144	EA	Junction Box (Wiremold #1542D).....	24.04		5.72
26 05 33 23-0145	EA	Duplex Receptacle (Wiremold #1543GL).....	47.13		11.00
26 05 33 23-0146	EA	Single Receptacle Box (Wiremold #1546A).....	24.77		5.72
26 05 33 23-0147	EA	Duplex Receptacle Box (Wiremold #1546B).....	30.41		5.72
26 05 33 23-0148	EA	Telephone Box (Wiremold #1546T).....	29.83		5.72
26 05 33 23-0149	EA	Combination Connection (Wiremold #1585).....	14.43		2.64
26 05 33 23-0150		<b>2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600)</b> <sup>(26 05 33 23-0057)</sup>			
		Note: Galvanized finish.			
26 05 33 23-0151	LF	2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10).....	12.29		3.95
		<i>For Concrete Or Masonry Surface, Add</i>	0.40		
26 05 33 23-0152	EA	Wire Clip (Wiremold #2600WC).....	4.57		1.76
26 05 33 23-0153	EA	Fiber Bushing (Wiremold #2602).....	5.16		1.76
26 05 33 23-0154	EA	2-5/8", 90 Degree Flat Elbow (Wiremold #2611).....	19.22		3.08
26 05 33 23-0155	EA	5" Diameter, Junction Box (Wiremold #2642D).....	28.81		4.39
26 05 33 23-0156	EA	Service Fitting (Wiremold #2686FO).....	28.02		5.28
26 05 33 23-0157		<b>Two Piece Surface Metal Raceways</b> <sup>(26 05 33 23-0056)</sup>			
		Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).			
26 05 33 23-0158		<b>1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000)</b> <sup>(26 05 33 23-0157)</sup>			
26 05 33 23-0159	LF	1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC).....	7.26		2.20
		<i>For Concrete Or Masonry Surface, Add</i>	0.22		
26 05 33 23-0160	EA	Wire Clip (Wiremold #2000WC).....	3.38		1.76
26 05 33 23-0161	EA	Coupling (Wiremold #2001).....	8.84		2.20
26 05 33 23-0162	EA	Supporting Clip (Wiremold #2003).....	4.51		1.31
26 05 33 23-0163	EA	Cover Clip (Wiremold #2006).....	4.15		1.31
26 05 33 23-0164	EA	Ground Clamp (Wiremold #2009).....	11.22		2.20
26 05 33 23-0165	EA	Entrance End Fitting (Wiremold #2010A2).....	21.37		6.59
26 05 33 23-0166	EA	Entrance End Fitting (Wiremold #2010A3).....	37.49		8.79
26 05 33 23-0167	EA	Blank End Fitting (Wiremold #2010B).....	5.49		2.20
26 05 33 23-0168	EA	Flat 90 Degree Elbow (Wiremold #2011).....	18.35		5.72
26 05 33 23-0169	EA	Tee (Wiremold #2015).....	34.50		8.27
26 05 33 23-0170	EA	Internal Corner Coupling (Wiremold #2017TC).....	11.50		4.39
26 05 33 23-0171	EA	Single Gang Device Box (Wiremold #2048).....	28.09		7.82
26 05 33 23-0172	EA	2-Gang device Box (Wiremold #2048-2).....	45.70		8.71
26 05 33 23-0173	EA	Flush Plate Adapter (Wiremold #2051H).....	30.35		8.71
26 05 33 23-0174	EA	Side Reducing Connector (Wiremold #2089).....	26.12		4.39
26 05 33 23-0175	EA	#2089E End Reducing Connector.....	10.62		2.20
26 05 33 23-0176		<b>1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400)</b> <sup>(26 05 33 23-0157)</sup>			
		Note: Available in gray enamel (G) or ivory (V).			
26 05 33 23-0177	LF	1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B).....	5.90		2.20
		<i>For Concrete Or Masonry Surface, Add</i>	0.22		
26 05 33 23-0178	LF	1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD).....	6.50		2.20
		<i>For Concrete Or Masonry Surface, Add</i>	0.22		
26 05 33 23-0179	LF	Raceway Cover (Wiremold #2400C).....	2.42		0.44
26 05 33 23-0180	EA	Wire Clip (Wiremold #2400WC).....	3.30		1.76
26 05 33 23-0181	EA	Coupling (Wiremold #2401).....	8.67		2.20
26 05 33 23-0182	EA	Divided Raceway Coupling (Wiremold #2401D).....	7.28		2.20
26 05 33 23-0183	EA	Cover Clip (Wiremold #2406).....	4.02		1.31
26 05 33 23-0184	EA	Device Bracket Frame (Wiremold #2407-2CM).....	30.39		6.59
26 05 33 23-0185	EA	Device Bracket Frame (Wiremold #2407-2TJ).....	29.07		6.59
26 05 33 23-0186	EA	Ground Clamp (Wiremold #2409).....	8.01		1.76
26 05 33 23-0187	EA	End Fitting (Wiremold #2410A).....	19.62		6.59
26 05 33 23-0188	EA	Blank End (Wiremold #2410B).....	5.43		2.20
26 05 33 23-0189	EA	Divided Blank End Fitting (Wiremold #2410BD).....	5.50		2.20
26 05 33 23-0190	EA	Entrance End Fitting (Wiremold #2410C).....	30.26		6.59
26 05 33 23-0191	EA	Divided Entrance End Fitting (Wiremold #2410D).....	28.98		6.59
26 05 33 23-0192	EA	Divided Entrance End Fitting (Wiremold #2410DFO).....	48.05		6.59
26 05 33 23-0193	EA	Full Cap Entrance End Fitting (Wiremold #2410FC).....	36.62		6.59
26 05 33 23-0194	EA	Divided Flat 90 Degree Elbow (Wiremold #2411D).....	22.10		6.59
26 05 33 23-0195	EA	Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO).....	35.91		6.59
26 05 33 23-0196	EA	Radiused Flat 90 Degree Elbow (Wiremold #2411FO).....	32.08		6.51
26 05 33 23-0197	EA	Flat 90 Degree Elbow (Wiremold #2411M).....	21.03		6.59
26 05 33 23-0198	EA	Radiused Divided Tee (Wiremold #2415DFO).....	38.60		6.51
26 05 33 23-0199	EA	Radiused Tee (Wiremold #2415FO).....	36.66		6.51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 23-0200	EA		Tee (Wiremold #2415M) .....	25.09	6.51
26 05 33 23-0201	EA		Divided Internal Coupling (Wiremold #2417D) .....	20.79	6.51
26 05 33 23-0202	EA		Radiused Divided Internal Coupling (Wiremold #2417DFO) .....	33.15	6.51
26 05 33 23-0203	EA		Radiused Internal Coupling (Wiremold #2417FO) .....	32.14	6.51
26 05 33 23-0204	EA		Internal Coupling (Wiremold #2417M) .....	20.12	6.51
26 05 33 23-0205	EA		Radiused Divided External Coupling (Wiremold #2418DFO) .....	36.12	6.51
26 05 33 23-0206	EA		Radiused External Coupling (Wiremold #2418FO) .....	35.51	6.51
26 05 33 23-0207	EA		External Coupling (Wiremold #2418M) .....	24.65	6.51
26 05 33 23-0208	EA		1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444) .....	32.89	5.72
26 05 33 23-0209	EA		2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2) .....	36.60	5.72
26 05 33 23-0210	EA		Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS) .....	36.79	5.72
26 05 33 23-0211	EA		Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D) .....	35.22	5.72
26 05 33 23-0212	EA		Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A) .....	50.04	5.72
26 05 33 23-0213	EA		Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N) .....	43.95	5.72
26 05 33 23-0214	EA		4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448) .....	22.79	5.72
26 05 33 23-0215	EA		4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2) .....	35.77	5.72
26 05 33 23-0216	EA		Device Bracket Type Adapter Plate (Wiremold #2450) .....	10.92	2.20
26 05 33 23-0217	EA		4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H) .....	25.70	6.59
26 05 33 23-0218	EA		Bridge Fitting For 2400/700/500 (Wiremold #2475D) .....	78.41	6.59
26 05 33 23-0219	EA		Side Reducing Connector (Wiremold #2489) .....	22.59	3.52

**26 05 33 23-0220 2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000)** (26 05 33 23-0157)

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0221	LF		2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B) .....	11.44	3.95
			<i>For Concrete Or Masonry Surface, Add</i> .....	0.40	
26 05 33 23-0222	LF		Raceway Cover (Wiremold #3000CE) .....	2.71	0.44
26 05 33 23-0223	EA		Wire Clips For Conductors (Wiremold #3000WC) .....	4.37	1.76
26 05 33 23-0224	EA		Couplings (Wiremold #3001) .....	11.30	1.76
26 05 33 23-0225	EA		Rigid Inside Coupling (Wiremold #3001A) .....	11.14	2.20
26 05 33 23-0226	EA		Supporting Clip (Wiremold #3003) .....	8.24	2.20
26 05 33 23-0227	EA		Clip Cover (Wiremold #3006E) .....	4.74	1.76
26 05 33 23-0228	EA		Device Brackets (Wiremold #3007C) .....	12.24	3.52
26 05 33 23-0229	EA		C-Hanger (Wiremold #3008C) .....	12.16	2.64
26 05 33 23-0230	EA		Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE) .....	28.35	8.36
26 05 33 23-0231	EA		Blank End Fittings (Wiremold #3010B) .....	10.38	3.52
26 05 33 23-0232	EA		Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C) .....	31.38	8.36
26 05 33 23-0233	EA		Flat 90 Degree Elbow (Wiremold #3011E) .....	47.14	10.90
26 05 33 23-0234	EA		Wall Box Connector (Wiremold #3014C) .....	33.70	11.00
26 05 33 23-0235	EA		Tee Fitting (Wiremold #3015E) .....	64.78	13.63
26 05 33 23-0236	EA		Internal Corner Coupling (Wiremold #3017TCE) .....	30.68	8.36
26 05 33 23-0237	EA		External Corner (Wiremold #3018AE) .....	37.81	8.36
26 05 33 23-0238	EA		Single Receptacle Cover With Face Diameters Of 1.38"-1.4" (Wiremold #3027AE) .....	27.02	8.36
26 05 33 23-0239	EA		Utility Box (Wiremold #3028) .....	45.69	8.36
26 05 33 23-0240	EA		Single Receptacle Cover With Face Diameters Of 1.56"-1.57" (Wiremold #3033JE) .....	14.74	2.20
26 05 33 23-0241	EA		Blank Cover (Wiremold #3036HE) .....	16.12	2.20
26 05 33 23-0242	EA		Switch Cover (Wiremold #3040CE) .....	14.70	2.20
26 05 33 23-0243	EA		Duplex Receptacle Cover (Wiremold #3043BE) .....	15.74	2.64
26 05 33 23-0244	EA		15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE) .....	42.04	11.43
26 05 33 23-0245	EA		2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2) .....	51.44	8.36
26 05 33 23-0246	EA		Duplex Receptacle Cover (Wiremold #3046BE) .....	14.82	2.64
26 05 33 23-0247	EA		Tap Off Fitting (Wiremold #3046H-2) .....	15.39	2.20
26 05 33 23-0248	EA		1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD) .....	60.35	5.28
26 05 33 23-0249	EA		2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ) .....	146.46	5.28
26 05 33 23-0250	EA		1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU) .....	52.63	5.28
26 05 33 23-0251	EA		1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S) .....	56.90	5.28
26 05 33 23-0252	EA		1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U) .....	56.90	5.28
26 05 33 23-0253	EA		Rectangular Receptacle Cover (Wiremold #3048R) .....	18.20	2.64

**26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000)** (26 05 33 23-0157)

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0255	LF		4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10) .....	13.99	3.95
			<i>For Concrete Or Masonry Surface, Add</i> .....	0.43	
26 05 33 23-0256	LF		Raceway Cover (Wiremold #4000C) .....	4.93	0.44
26 05 33 23-0257	LF		Divider (Wiremold #4000D) .....	2.39	0.44
26 05 33 23-0258	EA		Wire Clips For Conductors (Wiremold #4000WC) .....	5.36	2.20
26 05 33 23-0259	EA		Couplings (Wiremold #4001A) .....	13.95	2.64
26 05 33 23-0260	EA		Divider Clip (Wiremold #4001D) .....	6.58	2.64
26 05 33 23-0261	EA		Seam Clip (Wiremold #4006) .....	6.69	2.64
26 05 33 23-0262	EA		Single Device Fitting (Wiremold #4007C-1R) .....	27.85	5.72
26 05 33 23-0263	EA		Blank End Fittings (Wiremold #4010B) .....	14.81	3.52
26 05 33 23-0264	EA		Entrance End Fitting (Wiremold #4010DFO) .....	56.90	13.54
26 05 33 23-0265	EA		Flat 90 Degree Elbow (Wiremold #4011) .....	52.89	11.00
26 05 33 23-0266	EA		Radiused Flat 90 Degree Elbow (Wiremold #4011FO) .....	62.48	11.00
26 05 33 23-0267	EA		Internal Or External 45 Degree Elbow (Wiremold #4012TX) .....	57.60	13.63
26 05 33 23-0268	EA		Wall Box Connector (Wiremold #4014A) .....	76.78	13.63
26 05 33 23-0269	EA		Tee Fitting (Wiremold #4015) .....	85.20	13.63
26 05 33 23-0270	EA		Divided Tee Fitting (Wiremold #4015D) .....	88.58	13.63
26 05 33 23-0271	EA		Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO) .....	105.78	13.63
26 05 33 23-0272	EA		Radiused Tee Fitting (Wiremold #4015FO) .....	106.11	13.63
26 05 33 23-0273	EA		Internal Elbow (Wiremold #4017) .....	46.80	13.63
26 05 33 23-0274	EA		Internal Elbow (Wiremold #4017FO) .....	83.71	13.63
26 05 33 23-0275	EA		Inverted Internal Elbow (Wiremold #4017N) .....	51.88	13.63

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 23-0276	EA	Internal Corner Coupling (Wiremold #4017TCA).....	44.12		13.63
26 05 33 23-0277	EA	External Elbow (Wiremold #4018).....	69.86		13.63
26 05 33 23-0278	EA	Radiused External Elbow (Wiremold #4018FO).....	81.07		13.63
26 05 33 23-0279	EA	Single Locking Receptacle And Two RJ11/45 Modular Connectors Outlet Cover (Wiremold #4046ARJ).....	68.60		5.72
26 05 33 23-0280	EA	Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2).....	72.75		5.72
26 05 33 23-0281	EA	Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ).....	72.75		5.72
26 05 33 23-0282	EA	Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2).....	97.28		5.72
26 05 33 23-0283	EA	Tap-Off Fitting (Wiremold #4046H-2).....	20.38		5.72
26 05 33 23-0284	EA	Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ).....	62.45		2.64
26 05 33 23-0285	EA	Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ).....	74.46		5.72
26 05 33 23-0286	EA	1 Gang Device Plate (Wiremold #G4047C-1).....	20.23		5.72
26 05 33 23-0287	EA	2 Gang Device Plate (Wiremold #G4047C-2).....	23.62		5.72
26 05 33 23-0288	EA	Device Mounting Bracket (Wiremold #4050).....	22.96		4.39
26 05 33 23-0289	EA	#4000 To #3000 Take-off Connector (Wiremold #4074A).....	107.41		13.63
26 05 33 23-0290	EA	Bridge Fitting (Wiremold #4075D).....	96.78		13.63
26 05 33 23-0291	EA	Bridge Fitting (Wiremold #4075DA).....	96.78		13.63
26 05 33 23-0292	EA	Panel Connector (Wiremold #4086A).....	77.74		25.94
26 05 33 23-0293	EA	Reducing Connector Fitting (Wiremold #4089).....	47.86		13.63
<b>26 05 33 23-0294</b>		<b>4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000)</b> <small>(26 05 33 23-0157)</small>			
		Note: Available in gray enamel (G) or ivory (V).			
26 05 33 23-0295	LF	4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10).....	20.41		4.84
		<i>For Concrete Or Masonry Surface, Add</i>	0.48		
26 05 33 23-0296	LF	Raceway Cover (Wiremold #6000C).....	5.87		1.31
26 05 33 23-0297	LF	Divider (Wiremold #6000DA).....	6.18		1.31
26 05 33 23-0298	EA	Wire Clips For Conductors (Wiremold #6000WC).....	6.20		2.20
26 05 33 23-0299	EA	Couplings (Wiremold #6001A).....	17.07		4.39
26 05 33 23-0300	EA	Divider Clip (Wiremold #6001D).....	7.90		2.20
26 05 33 23-0301	EA	Converter Coupling (Wiremold #6001TX).....	21.89		5.72
26 05 33 23-0302	EA	Connection Cover (Wiremold #6006).....	20.78		5.72
26 05 33 23-0303	EA	Single Gang Device Plate (Wiremold #6007C-1).....	21.79		5.72
26 05 33 23-0304	EA	Two Gang Device Plate (Wiremold #6007C-2).....	23.86		5.72
26 05 33 23-0305	EA	C-Hanger (Wiremold #6008A).....	34.67		8.36
26 05 33 23-0306	EA	Blank End Fittings (Wiremold #6010B).....	37.36		13.19
26 05 33 23-0307	EA	Combination Flat Elbow (Wiremold #6011TX).....	70.22		13.19
26 05 33 23-0308	EA	Internal-External 45 Degree Elbow (Wiremold #6012TX).....	71.41		12.66
26 05 33 23-0309	EA	Connector Fitting (Wiremold #6014A).....	101.93		13.63
26 05 33 23-0310	EA	Combination Internal-External Elbow (Wiremold #6017TX).....	72.73		14.95
26 05 33 23-0311	EA	Circuit Breaker Housing (Wiremold #6046KD).....	126.77		14.95
26 05 33 23-0312	EA	#6000 To #6000 Take-off Connector (Wiremold #6074).....	122.35		13.19
26 05 33 23-0313	EA	#6000 To #4000 Take-off Connector (Wiremold #6074A).....	132.38		13.19
26 05 33 23-0314	EA	Panel Connector (Wiremold #6086).....	80.10		30.60
<b>26 05 33 23-0315</b>		<b>Two Piece Surface Aluminum Raceways</b> <small>(26 05 33 23-0056)</small>			
		Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).			
<b>26 05 33 23-0316</b>		<b>1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000)</b> <small>(26 05 33 23-0315)</small>			
26 05 33 23-0317	LF	1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B).....	9.09		2.20
		<i>For Concrete Or Masonry Surface, Add</i>	0.22		
26 05 33 23-0318	LF	Aluminum Raceway Cover (Wiremold #AL2000C).....	4.61		0.44
26 05 33 23-0319	EA	Wire Clip (Wiremold #AL2000WC).....	4.39		1.76
26 05 33 23-0320	EA	Coupling (Wiremold #AL2001).....	9.57		2.20
26 05 33 23-0321	EA	Supporting Clip (Wiremold #AL2003).....	4.75		1.31
26 05 33 23-0322	EA	Cover Clip (Wiremold #AL2006).....	6.07		1.31
26 05 33 23-0323	EA	Ground Clamp (Wiremold #AL2009).....	8.65		2.20
26 05 33 23-0324	EA	Entrance End Fitting (Wiremold #AL2010A).....	24.12		6.59
26 05 33 23-0325	EA	Blank End Fitting (Wiremold #AL2010B).....	7.79		2.20
26 05 33 23-0326	EA	Flat 90 Degree Elbow (Wiremold #AL2011).....	28.17		5.72
26 05 33 23-0327	EA	Tee (Wiremold #AL2015).....	38.14		8.27
26 05 33 23-0328	EA	Internal Corner Elbow (Wiremold #AL2017).....	25.59		4.39
26 05 33 23-0329	EA	External Corner Elbow (Wiremold #AL2018).....	25.54		4.39
26 05 33 23-0330	EA	2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043).....	41.59		8.71
26 05 33 23-0331	EA	4-13/16" Round Fixture Box (Wiremold #AL2038).....	97.65		7.82
26 05 33 23-0332	EA	4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044).....	42.95		7.82
26 05 33 23-0333	EA	4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2).....	89.76		8.71
26 05 33 23-0334	EA	Single Gang Shallow Device Box (Wiremold #AL2047).....	44.51		7.82
26 05 33 23-0335	EA	2-Gang Shallow Device Box (Wiremold #AL2047-2).....	79.24		8.71
26 05 33 23-0336	EA	Flush Plate Adapter (Wiremold #AL2051H).....	33.43		8.71
<b>26 05 33 23-0337</b>		<b>2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400)</b> <small>(26 05 33 23-0315)</small>			
26 05 33 23-0338	LF	2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B).....	10.11		2.20
		<i>For Concrete Or Masonry Surface, Add</i>	0.22		
26 05 33 23-0339	LF	Aluminum Raceway Cover (Wiremold #AL2400C).....	4.68		0.44
26 05 33 23-0340	EA	Wire Clip (Wiremold #AL2400WC).....	5.99		1.76
26 05 33 23-0341	EA	Coupling (Wiremold #AL2401).....	11.09		2.20
26 05 33 23-0342	EA	Cover Clip (Wiremold #AL2406).....	7.82		1.31
26 05 33 23-0343	EA	Ground Clamp (Wiremold #AL2409).....	6.87		1.76
26 05 33 23-0344	EA	Blank End (Wiremold #AL2410B).....	8.57		2.20
26 05 33 23-0345	EA	End Fitting (Wiremold #AL2410B2).....	18.25		6.59



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 23-0346	EA		Flat 90 Degree Elbow (Wiremold #AL2411).....	33.67	6.59
26 05 33 23-0347	EA		Tee (Wiremold #AL2415).....	36.77	6.51
26 05 33 23-0348	EA		Fourway Fitting (Wiremold #AL2416).....	43.27	6.51
26 05 33 23-0349	EA		Internal Coupling (Wiremold #AL2417).....	33.55	6.51
26 05 33 23-0350	EA		External Coupling (Wiremold #AL2418).....	36.17	6.51
26 05 33 23-0351	EA		4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H).....	29.99	6.59

**26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300)** (26 05 33 23-0315)

26 05 33 23-0353	LF		2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B).....	17.15	3.95
			<i>For Concrete Or Masonry Surface, Add</i>	0.40	
26 05 33 23-0354	LF		Aluminum Raceway Cover (Wiremold #AL3300CE).....	5.07	0.44
26 05 33 23-0355	LF		Raceway Divider (Wiremold #AL3300D).....	4.18	3.95
26 05 33 23-0356	EA		Wire Clips For Conductors (Wiremold #AL3300WC).....	8.15	1.76
26 05 33 23-0357	EA		Couplings (Wiremold #AL3301).....	14.80	1.76
26 05 33 23-0358	EA		Divider Coupling (Wiremold #AL3301D).....	12.33	2.20
26 05 33 23-0359	EA		Ground Clamp (Wiremold #AL3309).....	8.29	1.76
26 05 33 23-0360	EA		Blank End Fittings (Wiremold #AL3310B).....	17.23	3.52
26 05 33 23-0361	EA		End Fitting (Wiremold #AL3310B1).....	27.94	8.36
26 05 33 23-0362	EA		Flat 90 Degree Elbow (Wiremold #AL3311).....	85.34	10.90
			Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0363	EA		Tee Fitting (Wiremold #AL3315).....	97.86	13.63
			Note: Includes three (3) AL3301 couplings.		
26 05 33 23-0364	EA		Cross Fitting (Wiremold #AL3316).....	110.72	13.63
			Note: Includes four (4) AL3301 couplings.		
26 05 33 23-0365	EA		Internal Elbow (Wiremold #AL3317).....	80.01	8.36
			Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0366	EA		External Elbow (Wiremold #AL3318).....	80.09	8.36
			Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0367	EA		Duplex Receptacle Cover (Wiremold #AL3346D).....	17.74	2.64
26 05 33 23-0368	EA		Single Receptacle Cover (Wiremold #AL3346E).....	17.62	2.64
26 05 33 23-0369	EA		GFCI/ Surge Receptacle Cover (Wiremold #AL3346G).....	17.44	2.64
26 05 33 23-0370	EA		Single Device Cover Plate (Wiremold #AL3356R).....	17.45	2.20

**26 05 33 23-0371 5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200)** (26 05 33 23-0315)

26 05 33 23-0372	LF		5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10).....	22.16	3.95
			<i>For Concrete Or Masonry Surface, Add</i>	0.43	
26 05 33 23-0373	LF		Aluminum Raceway Cover (Wiremold #AL5200C).....	9.28	0.44
26 05 33 23-0374	LF		Divider (Wiremold #AL5200D).....	5.41	0.44
26 05 33 23-0375	EA		Wire Clips For Conductors (Wiremold #AL5200WC).....	7.35	2.20
26 05 33 23-0376	EA		Wire Clips For Conductors (Wiremold #AL5200WC2).....	6.13	2.20
26 05 33 23-0377	EA		Wire Clips For Conductors (Wiremold #AL5200WC3).....	6.09	2.20
26 05 33 23-0378	EA		Couplings (Wiremold #AL5201).....	14.13	2.64
26 05 33 23-0379	EA		Cover Clip (Wiremold #AL5206).....	12.67	2.64
26 05 33 23-0380	EA		Ground Adapter (Wiremold #AL5209).....	15.66	2.64
26 05 33 23-0381	EA		Blank End Fittings (Wiremold #AL5210B).....	16.64	3.52
26 05 33 23-0382	EA		Blank End Fittings (Wiremold #AL5210B1).....	17.90	3.52
26 05 33 23-0383	EA		Blank End Fittings (Wiremold #AL5210B2).....	18.18	3.52
26 05 33 23-0384	EA		Blank End Fittings (Wiremold #AL5210B3).....	17.61	3.52
26 05 33 23-0385	EA		Flat 90 Degree Elbow (Wiremold #AL5211).....	93.26	11.00
			Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0386	EA		Wall Box Connector (Wiremold #AL5214).....	72.50	13.63
26 05 33 23-0387	EA		Tee Fitting (Wiremold #AL5215).....	109.01	13.63
			Note: Includes three (3) pairs of AL5201 couplings.		
26 05 33 23-0388	EA		Four Way Fitting (Wiremold #AL5216).....	119.81	13.63
			Note: Includes four (4) pairs of AL5201 couplings.		
26 05 33 23-0389	EA		Internal Elbow (Wiremold #AL5217).....	96.43	13.63
			Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0390	EA		Internal Corner Coupling (Wiremold #AL5217A).....	39.56	13.63
26 05 33 23-0391	EA		Inverted Internal Elbow (Wiremold #AL5217N).....	99.18	13.63
26 05 33 23-0392	EA		External Elbow (Wiremold #AL5218).....	97.29	13.63
			Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0393	EA		Blank Device Cover Plate (Wiremold #AL5246B).....	20.91	2.64
26 05 33 23-0394	EA		Receptacle Device Cover Plate (Wiremold #AL5246D).....	24.86	2.64
26 05 33 23-0395	EA		Double Receptacle Device Cover Plate (Wiremold #AL5246DD).....	29.59	2.64
26 05 33 23-0396	EA		Device Cover Plate (Wiremold #AL5246F).....	27.72	2.64
26 05 33 23-0397	EA		Device Cover Plate (Wiremold #AL5246G).....	25.56	2.64
26 05 33 23-0398	EA		Offset Divider (Wiremold #AL5260).....	23.62	5.72

**26 05 33 23-0399 3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800)** (26 05 33 23-0315)

26 05 33 23-0400	LF		Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10).....	18.25	3.95
26 05 33 23-0401	EA		Cover Clip (Wiremold #ALA3806).....	8.79	2.64
26 05 33 23-0402	EA		Blank End Fittings (Wiremold #ALA3810B).....	15.30	3.52
26 05 33 23-0403	EA		Entrance End Cap Fittings (Wiremold #ALA3810B1).....	16.42	3.52
26 05 33 23-0404	EA		Flat 90 Degree Elbow (Wiremold #ALA3811).....	83.49	11.00
			Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0405	EA		Flat Tee Fitting (Wiremold #ALA3815).....	86.36	13.63
			Note: Includes three (3) ALA01 couplings.		
26 05 33 23-0406	EA		Internal Elbow (Wiremold #ALA3817).....	84.24	13.63
			Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0407	EA		Inverted Internal Elbow (Wiremold #ALA3817N).....	98.93	13.63
			Note: Includes two (2) ALA01 couplings.		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0408 EA External Elbow (Wiremold #ALA3818)..... Note: Includes two (2) ALA01 couplings.	85.33	13.63
<b>26 05 33 23-0409 6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800)</b>		
26 05 33 23-0410 LF Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10).....	30.47	3.95
26 05 33 23-0411 EA Cover Clip (Wiremold #ALA4806).....	13.08	2.64
26 05 33 23-0412 EA Blank End Fittings (Wiremold #ALA4810B).....	17.11	3.52
26 05 33 23-0413 EA Entrance End Cap Fittings (Wiremold #ALA4810B2).....	19.11	3.52
26 05 33 23-0414 EA Flat 90 Degree Elbow (Wiremold #ALA4811)..... Note: Includes four (4) ALA01 couplings.	113.08	11.00
26 05 33 23-0415 EA Flat Tee Fitting (Wiremold #ALA4815)..... Note: Includes six (6) ALA01 couplings.	154.97	13.63
26 05 33 23-0416 EA Internal Elbow (Wiremold #ALA4817)..... Note: Includes four (4) ALA01 couplings.	104.05	13.63
26 05 33 23-0417 EA Inverted Internal Elbow (Wiremold #ALA4817N)..... Note: Includes four (4) ALA01 couplings.	122.81	13.63
26 05 33 23-0418 EA External Elbow (Wiremold #ALA4818)..... Note: Includes four (4) ALA01 couplings.	109.33	13.63
<b>26 05 33 23-0419 Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800)</b> <small>(26 05 33 23-0315)</small>		
See CSI section 26 27 26 00-0010 for receptacles.		
26 05 33 23-0420 LF 3" Wide Aluminum Raceway Cover (Wiremold #ALA-5)..... Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.	6.58	0.44
26 05 33 23-0421 EA Wire Clips (Wiremold #ALAWC).....	5.86	2.20
26 05 33 23-0422 EA Slide Couplings (Wiremold #ALA01).....	14.59	2.64
26 05 33 23-0423 EA Grounding Adapter (Wiremold #ALA09).....	12.38	2.64
26 05 33 23-0424 EA Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI).....	33.65	11.00
26 05 33 23-0425 EA Internal Corner Coupling (Wiremold #ALA17A).....	40.08	13.63
26 05 33 23-0426 EA Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI).....	37.61	11.00
26 05 33 23-0427 EA Blank Cover Plate (Wiremold #ALA-BL).....	15.95	2.64
26 05 33 23-0428 EA Duplex Receptacle Cover Plate (Wiremold #ALA-DR).....	17.03	2.64
26 05 33 23-0429 EA Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E).....	17.75	2.64
26 05 33 23-0430 EA Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F).....	18.63	2.64
26 05 33 23-0431 EA GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G).....	17.18	2.64
26 05 33 23-0432 EA Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J).....	17.77	2.64
26 05 33 23-0433 EA Toggle Switch Cover Plate (Wiremold #ALA-N).....	18.23	2.64
26 05 33 23-0434 EA Active LPB Cover Plate (Wiremold #ALA-LPB).....	23.49	2.64
26 05 33 23-0435 EA Active MAB Cover Plate (Wiremold #ALA-MAB).....	22.05	2.64
26 05 33 23-0436 EA Ortronics Cover Plate (Wiremold #ALA-MABRT).....	25.48	2.64
26 05 33 23-0437 EA 1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG).....	17.78	2.64
26 05 33 23-0438 EA Active 2A Cover Plate (Wiremold #ALA-2A).....	24.60	2.64
26 05 33 23-0439 EA Ortronics Communications Cover Plate (Wiremold #ALA-ABRT).....	22.48	2.64
26 05 33 23-0440 EA 3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z).....	18.19	2.64
26 05 33 23-0441 EA Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2).....	22.68	2.64
<b>26 05 33 23-0442 Surface Non-Metallic Raceways</b> <small>(26 05 33 23-0001)</small>		
Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
<b>26 05 33 23-0443 One Piece Surface Non-Metallic Raceways</b> <small>(26 05 33 23-0442)</small>		
Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).		
<b>26 05 33 23-0444 7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0445 LF 7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC)..... <i>For Concrete Or Masonry Surface, Add</i>	5.71 0.18	1.76
26 05 33 23-0446 EA Wire Clip (Wiremold #400WC).....	3.98	1.76
26 05 33 23-0447 EA Cover Clip (Wiremold #406).....	4.28	1.76
26 05 33 23-0448 EA Blank End Clip (Wiremold #410B).....	8.11	3.52
26 05 33 23-0449 EA Flat 90 Degree Elbow (Wiremold #411).....	9.94	3.52
26 05 33 23-0450 EA Tee (Wiremold #415).....	12.53	4.39
26 05 33 23-0451 EA Internal Elbow (Wiremold #417).....	9.70	3.52
26 05 33 23-0452 EA External Elbow (Wiremold #418).....	9.70	3.52
<b>26 05 33 23-0453 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0454 LF 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC)..... <i>For Concrete Or Masonry Surface, Add</i>	6.06 0.18	1.76
26 05 33 23-0455 EA Wire Clip (Wiremold #800WC).....	3.94	1.76
26 05 33 23-0456 EA Cover Clip (Wiremold #806).....	4.04	1.76
26 05 33 23-0457 EA Entrance End Fitting (Wiremold #810A2).....	12.67	3.52
26 05 33 23-0458 EA Blank End Fitting (Wiremold #810B).....	7.94	3.52
26 05 33 23-0459 EA Flat 90 Degree Elbow (Wiremold #811).....	9.31	3.52
26 05 33 23-0460 EA Tee (Wiremold #815).....	11.71	4.39
26 05 33 23-0461 EA Internal Elbow (Wiremold #817).....	9.11	3.52
26 05 33 23-0462 EA External Elbow (Wiremold #818).....	9.11	3.52
26 05 33 23-0463 EA End Reducer, #800 To #400 (Wiremold #889A).....	10.40	3.52

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

<b>26 05 33 23-0464</b>	<b>2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0465	LF 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC).....	7.04	1.76
	<i>For Concrete Or Masonry Surface, Add</i>	<i>0.18</i>	
26 05 33 23-0466	LF 2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD).....	7.52	1.76
	<i>For Concrete Or Masonry Surface, Add</i>	<i>0.18</i>	
26 05 33 23-0467	EA Wire Clip (Wiremold #2300WC).....	4.15	1.76
26 05 33 23-0468	EA Cover Clip (Wiremold #2306).....	4.40	1.76
26 05 33 23-0469	EA Entrance End Fitting (Wiremold #2310A).....	13.82	3.52
26 05 33 23-0470	EA Blank End Fitting (Wiremold #2310B).....	8.41	3.52
26 05 33 23-0471	EA Divided Entrance End Fitting (Wiremold #2310DFO).....	15.67	3.52
26 05 33 23-0472	EA Flat 90 Degree Elbow (Wiremold #2311).....	9.50	3.52
26 05 33 23-0473	EA Divided Flat 90 Degree Elbow (Wiremold #2311DFO).....	10.28	3.52
26 05 33 23-0474	EA Tee (Wiremold #2315).....	11.81	4.39
26 05 33 23-0475	EA Internal Elbow (Wiremold #2317).....	9.50	3.52
26 05 33 23-0476	EA Divided Internal Elbow (Wiremold #2317DFO).....	10.29	3.52
26 05 33 23-0477	EA External Elbow (Wiremold #2318).....	9.52	3.52
26 05 33 23-0478	EA Divided External Elbow (Wiremold #2318DFO).....	10.43	3.52
26 05 33 23-0479	EA End Reducer, #2300 To #400 (Wiremold #2389).....	10.44	3.52
26 05 33 23-0480	EA End Reducer, #2300 To #800 (Wiremold #2389A).....	10.94	3.52

<b>26 05 33 23-0481</b>	<b>One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0482	EA Blank Cover, 4-1/2" Diameter (Wiremold #2336).....	11.86	3.08
26 05 33 23-0483	EA Extension Box, 5-1/2" Diameter (Wiremold #2337A).....	19.86	3.52
26 05 33 23-0484	EA -A Fixture Box, 5-1/2" Diameter (Wiremold #233).....	19.98	3.52
26 05 33 23-0485	EA Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344).....	17.93	3.52
26 05 33 23-0486	EA Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2).....	20.94	3.52
26 05 33 23-0487	EA Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D).....	19.63	3.52
26 05 33 23-0488	EA Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A).....	21.40	3.52
26 05 33 23-0489	EA 1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347).....	17.30	5.72
26 05 33 23-0490	EA 2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2).....	19.94	5.72
26 05 33 23-0491	EA 1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348).....	18.07	5.72
26 05 33 23-0492	EA 2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2).....	22.05	5.72
26 05 33 23-0493	EA 3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3).....	26.68	5.72
26 05 33 23-0494	EA 1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP).....	25.21	5.72
26 05 33 23-0495	EA 1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D).....	22.68	5.72
26 05 33 23-0496	EA Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51).....	16.90	5.72

<b>26 05 33 23-0497</b>	<b>3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0498	LF 3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700).....	4.98	1.76
	<i>For Concrete Or Masonry Surface, Add</i>	<i>0.18</i>	
26 05 33 23-0499	EA 3/4" Wire Clip (Wiremold #2700WC).....	2.07	0.88
26 05 33 23-0500	EA Cover Clip (Wiremold #2706).....	3.31	0.88
26 05 33 23-0501	EA Blank End (Wiremold #2710B).....	5.06	1.76
26 05 33 23-0502	EA Flat 90 Degree Elbow (Wiremold #2711).....	5.97	2.20
26 05 33 23-0503	EA Tee (Wiremold #2715).....	9.51	3.95
26 05 33 23-0504	EA Internal Elbow (Wiremold #2717).....	6.86	2.64
26 05 33 23-0505	EA External Elbow (Wiremold #2718).....	6.84	2.64
26 05 33 23-0506	EA Drop Ceiling Connector (Wiremold #2786).....	8.10	3.08

<b>26 05 33 23-0507</b>	<b>1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0508	LF 1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800).....	6.27	2.20
	<i>For Concrete Or Masonry Surface, Add</i>	<i>0.22</i>	
26 05 33 23-0509	EA 1" Wire Clip (Wiremold #2800WC).....	3.04	1.31
26 05 33 23-0510	EA Cover Clip (Wiremold #2806).....	4.16	1.31
26 05 33 23-0511	EA Blank End (Wiremold #2810B).....	5.91	2.20
26 05 33 23-0512	EA Flat 90 Degree Elbow (Wiremold #2811).....	7.75	3.08
26 05 33 23-0513	EA Radiused Flat 90 Degree Elbow (Wiremold #2811FO).....	8.30	3.08
26 05 33 23-0514	EA Tee (Wiremold #2815).....	11.26	4.84
26 05 33 23-0515	EA Internal Elbow (Wiremold #2817).....	8.60	3.52
26 05 33 23-0516	EA External Elbow (Wiremold #2818).....	8.62	3.52
26 05 33 23-0517	EA Radiused Tee (Wiremold #2815FO).....	12.00	4.84
26 05 33 23-0518	EA Radiused Internal Elbow (Wiremold #2817FO).....	9.27	3.52
26 05 33 23-0519	EA Radiused External Elbow (Wiremold #2818FO).....	9.17	3.52
26 05 33 23-0520	EA Drop Ceiling Connector (Wiremold #2886).....	9.72	3.95
26 05 33 23-0521	EA Reducer, #2800 To #2700 (Wiremold #2889).....	8.75	3.52

<b>26 05 33 23-0522</b>	<b>1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0523	LF 1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900).....	7.63	2.64
	<i>For Concrete Or Masonry Surface, Add</i>	<i>0.26</i>	
26 05 33 23-0524	EA 1-1/2" Wire Clip (Wiremold #2900WC).....	4.02	1.76
26 05 33 23-0525	EA Cover Clip (Wiremold #2906).....	5.15	1.76
26 05 33 23-0526	EA Blank End (Wiremold #2910B).....	6.91	2.64
26 05 33 23-0527	EA Flat 90 Degree Elbow (Wiremold #2911).....	8.67	3.52
26 05 33 23-0528	EA Tee (Wiremold #2915).....	12.19	5.28
26 05 33 23-0529	EA Radiused Flat 90 Degree Elbow (Wiremold #2911FO).....	9.54	3.52
26 05 33 23-0530	EA Radiused Tee (Wiremold #2915FO).....	13.08	5.28

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 23-0531	EA	Internal Elbow (Wiremold #2917).....	9.56		3.95
26 05 33 23-0532	EA	Radiused Internal Elbow (Wiremold #2917FO).....	10.46		3.95
26 05 33 23-0533	EA	External Elbow (Wiremold #2918).....	9.55		3.95
26 05 33 23-0534	EA	Radiused External Elbow (Wiremold #2918FO).....	10.71		3.95
26 05 33 23-0535	EA	Drop Ceiling Connector (Wiremold #2986).....	9.70		3.95
26 05 33 23-0536	EA	Reducer, #2900 To #2800 (Wiremold #2989).....	10.78		4.39
26 05 33 23-0537	EA	Reducer, #2900 To #2700 (Wiremold #2989A).....	10.48		4.39
<b>26 05 33 23-0538</b>		<b>Two Piece Surface Non-Metallic Raceways</b> (26 05 33 23-0442)			
		Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).			
<b>26 05 33 23-0539</b>		<b>5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500)</b> (26 05 33 23-0538)			
26 05 33 23-0540	LF	5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B).....	12.04		3.95
		<i>For Concrete Or Masonry Surface, Add</i>	0.40		
26 05 33 23-0541	LF	Black, Gray Or White, Cover (Wiremold #5000C).....	11.41		3.95
26 05 33 23-0542	LF	Oak Veneer, Cover (Wiremold #5000COA).....	22.08		3.95
26 05 33 23-0543	LF	Maple Wood Veneer, Cover (Wiremold #5000CW).....	17.86		3.95
26 05 33 23-0544	LF	Black, Gray Or White, Quarter Round Trim (Wiremold #5000T).....	1.64		0.44
26 05 33 23-0545	LF	Oak Veneer, Quarter Round Trim (Wiremold #5000TOA).....	6.99		0.44
26 05 33 23-0546	LF	Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW).....	4.31		0.44
26 05 33 23-0547	EA	Base Coupling (Wiremold #5001).....	10.96		4.39
26 05 33 23-0548	EA	Blank/Coax Adapter (Wiremold #5004).....	6.19		2.20
26 05 33 23-0549	EA	Low Voltage Blank Plate (Wiremold #5005).....	8.33		2.64
26 05 33 23-0550	EA	Cover Clip (Wiremold #5006).....	11.85		4.39
26 05 33 23-0551	EA	Internal Wire Guard (Wiremold #5006A).....	11.04		4.39
26 05 33 23-0552	EA	Device Bracket (Wiremold #5007C).....	12.71		4.39
26 05 33 23-0553	EA	Device Plate (Wiremold #5007C-1).....	22.89		8.79
26 05 33 23-0554	EA	Deep Device Plate (Wiremold #5007C-2).....	23.75		8.79
26 05 33 23-0555	EA	Right Or Left End Cap (Wiremold #5010).....	19.81		8.36
26 05 33 23-0556	EA	Entrance End Feed (Wiremold #5010A).....	38.91		13.63
26 05 33 23-0557	EA	Internal Base Elbow (Wiremold #5017B).....	26.74		11.00
26 05 33 23-0558	EA	Internal Cover Elbow (Wiremold #5017C).....	24.32		8.79
26 05 33 23-0559	EA	Internal Elbow Wire Guard (Wiremold #5017WG).....	16.56		6.59
26 05 33 23-0560	EA	External Base Elbow (Wiremold #5018B).....	26.68		11.00
26 05 33 23-0561	EA	External Cover Elbow (Wiremold #5018C).....	24.55		8.79
26 05 33 23-0562	EA	External Elbow Wire Guard (Wiremold #5018WG).....	10.81		4.39
<b>26 05 33 23-0563</b>		<b>5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400)</b> (26 05 33 23-0538)			
26 05 33 23-0564	LF	5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB).....	12.95		3.95
		<i>For Concrete Or Masonry Surface, Add</i>	0.40		
26 05 33 23-0565	LF	Full Width Cover (Wiremold #5400C).....	4.57		0.44
26 05 33 23-0566	LF	Twin Snap Cover (Wiremold #5400TC).....	2.93		0.44
26 05 33 23-0567	EA	Twin Snap Cover Wire Clips (Wiremold #5400TWC).....	4.93		2.20
26 05 33 23-0568	EA	Cover Clip (Wiremold #5406A).....	8.41		2.64
26 05 33 23-0569	EA	Twin Cover Clip (Wiremold #5406T).....	7.05		2.64
26 05 33 23-0570	EA	Base Seam Clip (Wiremold #5406TB).....	6.29		2.64
26 05 33 23-0571	EA	L Or R (Left Or Right) Transition Fitting (Wiremold #5408).....	48.00		13.63
26 05 33 23-0572	EA	End Cap (Wiremold #5410).....	23.36		8.36
26 05 33 23-0573	EA	Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO).....	46.05		13.63
26 05 33 23-0574	EA	Radiused Flat 90 Degree Elbow (Wiremold #5411FO).....	42.10		11.00
26 05 33 23-0575	EA	Tee Fitting (Wiremold #5415).....	48.48		13.63
26 05 33 23-0576	EA	Radiused Tee Fitting (Wiremold #5415FO).....	50.82		13.63
26 05 33 23-0577	EA	Radiused Internal Elbow (Wiremold #5417FO).....	39.92		13.63
26 05 33 23-0578	EA	External Elbow (Wiremold #5418).....	40.50		13.63
26 05 33 23-0579	EA	Radiused External Elbow (Wiremold #5418FO).....	41.04		13.63
26 05 33 23-0580	EA	5-5/32" x 6" Device Bracket (Wiremold #5450).....	19.50		4.39
26 05 33 23-0581	EA	7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3).....	25.87		4.39
26 05 33 23-0582	EA	2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T).....	14.79		4.39
26 05 33 23-0583	EA	Transition Fitting (Wiremold #5474).....	42.13		13.63
<b>26 05 33 23-0584</b>		<b>6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500)</b> (26 05 33 23-0538)			
26 05 33 23-0585	LF	6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3).....	16.36		3.95
		<i>For Concrete Or Masonry Surface, Add</i>	0.40		
26 05 33 23-0586	LF	Cover (Wiremold #5500C).....	6.06		0.44
26 05 33 23-0587	EA	Wire Clips (Wiremold #5500WC).....	5.79		2.20
26 05 33 23-0588	EA	Cover Clip (Wiremold #5506).....	9.52		2.64
26 05 33 23-0589	EA	Base Seam Clip Fitting (Wiremold #5506B).....	6.66		2.64
26 05 33 23-0590	EA	Modular Furniture Adapter (Wiremold #5507AD).....	8.85		2.64
26 05 33 23-0591	EA	Blank Faceplate (Wiremold #5507B).....	8.89		2.64
26 05 33 23-0592	EA	Duplex Receptacle Faceplate (Wiremold #5507D).....	8.94		2.64
26 05 33 23-0593	EA	Dual RJ Connector Faceplate (Wiremold #5507FRJ).....	8.84		2.64
26 05 33 23-0594	EA	Rectangular Receptacle Faceplate (Wiremold #5507R).....	8.84		2.64
26 05 33 23-0595	EA	Dual RJ Connector Faceplate (Wiremold #5507RJ).....	8.87		2.64
26 05 33 23-0596	EA	Rectangular Spacer Fitting (Wiremold #5507S).....	8.79		2.64
26 05 33 23-0597	EA	Switch Faceplate (Wiremold #5507SW).....	8.82		2.64
26 05 33 23-0598	EA	Twistlock Faceplate (Wiremold #5507T1).....	8.89		2.64
26 05 33 23-0599	EA	Single Receptacle Faceplate (Wiremold #5507T2).....	8.70		2.64
26 05 33 23-0600	EA	6-5/8" x 6" Device Bracket (Wiremold #5550).....	23.54		4.39

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0601 EA 9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4) .....	31.83	4.39
26 05 33 23-0602 EA End Cap (Wiremold #5510).....	25.50	8.36
26 05 33 23-0603 EA Entrance End Fitting (Wiremold #5510D).....	52.87	13.63
26 05 33 23-0604 EA Radiused Flat 90 Degree Elbow (Wiremold #5511FO) .....	48.42	11.00
26 05 33 23-0605 EA Backfeed Connector (Wiremold #5514A).....	38.62	11.00
26 05 33 23-0606 EA Tee Fitting (Wiremold #5515).....	55.64	13.63
26 05 33 23-0607 EA Radiused Internal Elbow (Wiremold #5517FO).....	44.29	13.63
26 05 33 23-0608 EA External Elbow (Wiremold #5518).....	45.42	13.63
26 05 33 23-0609 EA Radiused External Elbow (Wiremold #5518FO).....	47.82	13.63
26 05 33 23-0610 EA Transition Fitting (Wiremold #5574).....	43.14	13.63
26 05 33 23-0611 EA Transition Fitting (Wiremold #5574A).....	58.65	13.63
<b>26 05 33 23-0612</b> <b>Hellermann Tyton Non-Metallic Low Voltage Raceways</b> <small>(26 05 33 23-0442)</small>		
Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
<b>26 05 33 23-0613</b> <b>1-1/4" x 3/4", Non-Metallic Low Voltage Raceways</b> <small>(26 05 33 23-0612)</small>		
26 05 33 23-0614 LF 1-1/4" x 3/4", Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2).....	4.77	2.20
26 05 33 23-0615 EA Splice For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-14).....	5.18	1.31
26 05 33 23-0616 EA Tee For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-21-1).....	12.48	4.84
26 05 33 23-0617 EA Flat 90 Degree Elbow For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-25-1).....	8.97	3.08
26 05 33 23-0618 EA Internal Elbow For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-36).....	9.57	3.52
26 05 33 23-0619 EA External Elbow For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-29-1).....	12.06	3.52
26 05 33 23-0620 EA End Cap For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-36).....	6.93	2.20
26 05 33 23-0621 EA Drop Ceiling Connector For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-50).....	12.05	3.95
<b>26 05 33 23-0622</b> <b>1-3/4" x 1", Non-Metallic Low Voltage Raceways</b> <small>(26 05 33 23-0612)</small>		
26 05 33 23-0623 LF 1-3/4" x 1", Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3).....	5.83	2.64
26 05 33 23-0624 EA Splice For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-14).....	6.29	1.76
26 05 33 23-0625 EA Tee For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-21-1).....	13.59	5.28
26 05 33 23-0626 EA Flat 90 Degree Elbow For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-25-1).....	10.07	3.52
26 05 33 23-0627 EA Internal Elbow For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-33-1).....	10.96	3.95
26 05 33 23-0628 EA External Elbow For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-29-1).....	13.30	3.95
26 05 33 23-0629 EA End Cap For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-36).....	8.05	2.64
26 05 33 23-0630 EA Drop Ceiling Connector For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-50).....	12.05	3.95
26 05 33 23-0631 EA 1-3/4" To 1-1/4" Reducer For Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR1X-12).....	11.56	4.39
<b>26 05 33 23-0632</b> <b>Non-Metallic Raceway Junction Boxes</b> <small>(26 05 33 23-0612)</small>		
26 05 33 23-0633 EA 3" x 4-3/4" x 1-1/4", Single Gang, Non-Metallic Raceway Junction Box (Hellermann Tyton TSRX-JB1).....	56.67	24.07
26 05 33 23-0634 EA 3" x 4-3/4" x 2", Single Gang, Non-Metallic Raceway Junction Box (Hellermann Tyton TSRX-JB2).....	58.20	24.07
26 05 33 23-0635 EA 4.91" x 4.83" x 1.25", Double Gang, Non-Metallic Raceway Junction Box (Hellermann Tyton TSRX-JBD).....	62.94	24.07
<b>26 05 33 23-0636</b> <b>Hubbell Two-Channel Non-Metallic Raceways</b> <small>(26 05 33 23-0442)</small>		
Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
<b>26 05 33 23-0637</b> <b>2.12" x 1.04", Two-Channel Non-Metallic Raceways</b> <small>(26 05 33 23-0636)</small>		
26 05 33 23-0638 LF 2.12" x 1.04", Two-Channel Non-Metallic Raceway (Hubbell MT8BC7).....	9.68	2.64
26 05 33 23-0639 LF 2.12" x 1.04", Two-Channel Non-Metallic Raceway With Adhesive (Hubbell MT8ABC7).....	10.04	2.64
26 05 33 23-0640 EA Splice Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8SC).....	4.80	1.76
26 05 33 23-0641 EA Tee Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8TCBC).....	18.99	5.28
26 05 33 23-0642 EA Tee Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8TCC).....	7.26	1.76
26 05 33 23-0643 EA Flat 90 Degree Elbow Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8FEBC).....	13.78	3.52
26 05 33 23-0644 EA Flat 90 Degree Elbow Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8FEC).....	6.23	1.76
26 05 33 23-0645 EA Internal Elbow Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8IEBC).....	15.15	3.95
26 05 33 23-0646 EA Internal Elbow Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8IEC).....	6.41	1.76
26 05 33 23-0647 EA External Elbow Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8EEBC).....	15.52	3.95
26 05 33 23-0648 EA External Elbow Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8EEC).....	6.84	1.76
26 05 33 23-0649 EA End Cap For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8EC).....	7.52	2.64
26 05 33 23-0650 EA Conduit Adapter For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8CACF).....	15.64	3.95
26 05 33 23-0651 EA Security Strap For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8SS).....	5.21	1.76
26 05 33 23-0652 EA Light Fixture Box For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT678FB).....	27.19	5.28
26 05 33 23-0653 EA Single Gang Pass-Thru Divider Tunnel For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT678DT1G).....	15.07	5.28
26 05 33 23-0654 EA Double Gang Pass-Thru Divider Tunnel For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT678DT2G).....	20.56	5.28
<b>26 05 33 23-0655</b> <b>Non-Metallic Raceway Junction Boxes</b> <small>(26 05 33 23-0636)</small>		
26 05 33 23-0656 EA 3.25" x 4.90" x 1.25", Single Gang, Non-Metallic Raceway Junction Box (Hubbell MT678LB).....	55.24	24.07
26 05 33 23-0657 EA 3.25" x 4.90" x 1.78", Single Gang, Non-Metallic Raceway Junction Box (Hubbell MT678SB).....	55.85	24.07
26 05 33 23-0658 EA 3.25" x 4.90" x 2.44", Single Gang, Non-Metallic Raceway Junction Box (Hubbell MT678DB).....	58.98	24.07
26 05 33 23-0659 EA 5.06" x 4.90" x 2.44", Double Gang, Non-Metallic Raceway Junction Box (Hubbell MT678CTGB).....	59.46	24.07
26 05 33 23-0660 EA Divided, 5.06" x 4.90" x 2.44", Double Gang, Non-Metallic Raceway Junction Box (Hubbell MT678TGD).....	65.97	24.07
<b>26 05 33 23-0661</b> <b>Surface Cable Protection System</b> <small>(26 05 33 23)</small>		
26 05 33 23-0662 EA 35-1/2" Long x 18-9/16" Wide x 3" High, Three Channel, Heavy Duty Polyurethane, Surface Cable Protector (Yellow Jacket® CP-YJHD-3).....	398.35	
Note: Modular interlocking design with hinged lid.		
26 05 33 23-0663 EA 35-3/4" Long x 19-3/4" Wide x 1-7/8" High, Five Channel, Heavy Duty Polyurethane, Surface Cable Protector (Yellow Jacket® CP-YJHD-5).....	301.01	
Note: Modular interlocking design with hinged lid.		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION		
CSI	UOM	DESCRIPTION	UNIT	COST	UNIT	COST
26 05 36		Cable Trays for Electrical Systems <small>(26 05)</small>				
26 05 36 00-0001		Cable Trays <small>(26 05 36)</small> Note: Excludes supporting hangers.				
26 05 36 00-0002		Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0001)</small>				
26 05 36 00-0003		4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0002)</small>				
26 05 36 00-0004		4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>				
26 05 36 00-0005	LF	6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		34.45 -2.67	9.25	
26 05 36 00-0006	LF	9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		37.25 -2.90	9.92	
26 05 36 00-0007	LF	12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		40.74 -3.18	10.69	
26 05 36 00-0008	LF	18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		45.47 -3.60	11.36	
26 05 36 00-0009	LF	24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		50.07 -4.03	11.74	
26 05 36 00-0010	LF	30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		61.16 -4.99	13.58	
26 05 36 00-0011	LF	36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		68.57 -5.57	15.49	
26 05 36 00-0012		6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>				
26 05 36 00-0013	LF	6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		32.42 -2.48	9.05	
26 05 36 00-0014	LF	9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		35.11 -2.71	9.63	
26 05 36 00-0015	LF	12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		37.44 -2.87	10.49	
26 05 36 00-0016	LF	18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		41.14 -3.19	11.07	
26 05 36 00-0017	LF	24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		44.45 -3.49	11.45	
26 05 36 00-0018	LF	30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		52.30 -4.13	13.19	
26 05 36 00-0019	LF	36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		57.14 -4.51	14.44	
26 05 36 00-0020		9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>				
26 05 36 00-0021	LF	6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		31.20 -2.38	8.95	
26 05 36 00-0022	LF	9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		32.11 -2.44	9.25	
26 05 36 00-0023	LF	12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		35.47 -2.73	9.82	
26 05 36 00-0024	LF	18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		38.93 -3.03	10.30	
26 05 36 00-0025	LF	24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		42.31 -3.35	10.59	
26 05 36 00-0026	LF	30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		46.13 -3.65	11.55	
26 05 36 00-0027	LF	36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		49.54 -3.91	12.51	
26 05 36 00-0028		12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>				
26 05 36 00-0029	LF	6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		30.28 -2.31	8.56	
26 05 36 00-0030	LF	9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		30.91 -2.36	8.76	
26 05 36 00-0031	LF	12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		32.75 -2.51	9.25	
26 05 36 00-0032	LF	18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		34.71 -2.66	9.73	
26 05 36 00-0033	LF	24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		36.24 -2.82	9.73	
26 05 36 00-0034	LF	30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		40.09 -3.14	10.49	
26 05 36 00-0035	LF	36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		42.24 -3.31	10.97	
26 05 36 00-0036		18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>				

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0037 LF 6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	29.89 -2.29	8.37
26 05 36 00-0038 LF 9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	30.40 -2.33	8.56
26 05 36 00-0039 LF 12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	32.23 -2.47	9.05
26 05 36 00-0040 LF 18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	33.85 -2.60	9.44
26 05 36 00-0041 LF 24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	34.43 -2.65	9.53
26 05 36 00-0042 LF 30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	36.56 -2.80	10.21
26 05 36 00-0043 LF 36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	38.12 -2.92	10.78
<b>26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-0002)</small>		
<b>26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0046 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	263.77 -18.33	96.55
26 05 36 00-0047 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	294.34 -20.27	109.93
26 05 36 00-0048 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	323.43 -22.21	121.58
26 05 36 00-0049 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	405.14 -28.10	149.01
26 05 36 00-0050 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	461.52 -31.90	171.06
26 05 36 00-0051 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	552.80 -39.24	192.53
26 05 36 00-0052 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	637.86 -45.45	220.05
<b>26 05 36 00-0053 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0054 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	379.69 -29.60	100.40
26 05 36 00-0055 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	411.23 -31.50	115.42
26 05 36 00-0056 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	440.95 -33.40	128.32
26 05 36 00-0057 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	510.61 -37.78	159.40
26 05 36 00-0058 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	571.10 -41.70	184.91
26 05 36 00-0059 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	635.60 -46.07	209.84
26 05 36 00-0060 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	744.86 -54.23	243.06
<b>26 05 36 00-0061 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0062 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	410.09 -32.26	104.92
26 05 36 00-0063 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	450.66 -34.95	121.48
26 05 36 00-0064 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	486.29 -37.30	135.92
26 05 36 00-0065 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	582.39 -43.98	171.06
26 05 36 00-0066 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	661.36 -49.40	200.80

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

HUMBOLDT STATE UNIVERSITY

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 36 00-0067	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	777.03		231.02
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.45		
26 05 36 00-0068	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	880.28		271.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.41		
<b>26 05 36 00-0069</b>		<b>12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>			
26 05 36 00-0070	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	196.62		69.98
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.83		
		<i>For 60 Degree Bend, Deduct</i>	-38.07		
		<i>For 30 Degree Bend, Deduct</i>	-67.33		
26 05 36 00-0071	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	223.13		83.94
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.32		
		<i>For 60 Degree Bend, Deduct</i>	-41.47		
		<i>For 30 Degree Bend, Deduct</i>	-73.78		
26 05 36 00-0072	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	247.00		96.26
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.68		
		<i>For 60 Degree Bend, Deduct</i>	-44.61		
		<i>For 30 Degree Bend, Deduct</i>	-79.70		
26 05 36 00-0073	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	294.20		121.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.28		
		<i>For 60 Degree Bend, Deduct</i>	-50.46		
		<i>For 30 Degree Bend, Deduct</i>	-90.85		
26 05 36 00-0074	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	365.95		149.01
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.18		
		<i>For 60 Degree Bend, Deduct</i>	-63.64		
		<i>For 30 Degree Bend, Deduct</i>	-114.35		
26 05 36 00-0075	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	435.39		171.06
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.28		
		<i>For 60 Degree Bend, Deduct</i>	-78.10		
		<i>For 30 Degree Bend, Deduct</i>	-139.67		
26 05 36 00-0076	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	491.49		200.80
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.41		
		<i>For 60 Degree Bend, Deduct</i>	-85.21		
		<i>For 30 Degree Bend, Deduct</i>	-153.17		
<b>26 05 36 00-0077</b>		<b>24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>			
26 05 36 00-0078	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	221.52		72.19
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.14		
		<i>For 60 Degree Bend, Deduct</i>	-45.44		
		<i>For 30 Degree Bend, Deduct</i>	-79.75		
26 05 36 00-0079	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	252.86		87.02
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.03		
		<i>For 60 Degree Bend, Deduct</i>	-50.08		
		<i>For 30 Degree Bend, Deduct</i>	-88.30		
26 05 36 00-0080	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	288.33		100.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.46		
		<i>For 60 Degree Bend, Deduct</i>	-56.63		
		<i>For 30 Degree Bend, Deduct</i>	-99.97		
26 05 36 00-0081	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	338.05		128.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.11		
		<i>For 60 Degree Bend, Deduct</i>	-62.35		
		<i>For 30 Degree Bend, Deduct</i>	-111.06		
26 05 36 00-0082	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	415.88		159.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.31		
		<i>For 60 Degree Bend, Deduct</i>	-76.15		
		<i>For 30 Degree Bend, Deduct</i>	-135.77		
26 05 36 00-0083	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	487.80		184.91
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.37		
		<i>For 60 Degree Bend, Deduct</i>	-90.10		
		<i>For 30 Degree Bend, Deduct</i>	-160.44		
26 05 36 00-0084	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	572.64		220.15
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.92		
		<i>For 60 Degree Bend, Deduct</i>	-104.60		
		<i>For 30 Degree Bend, Deduct</i>	-186.55		
<b>26 05 36 00-0085</b>		<b>36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 36 00-0086	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	269.48	74.51
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.74	
		<i>For 60 Degree Bend, Deduct</i>	-60.38	
		<i>For 30 Degree Bend, Deduct</i>	-104.77	
26 05 36 00-0087	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	304.32	90.48
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.89	
		<i>For 60 Degree Bend, Deduct</i>	-65.74	
		<i>For 30 Degree Bend, Deduct</i>	-114.60	
26 05 36 00-0088	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	331.81	105.02
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.43	
		<i>For 60 Degree Bend, Deduct</i>	-69.24	
		<i>For 30 Degree Bend, Deduct</i>	-121.24	
26 05 36 00-0089	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	396.46	135.92
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.32	
		<i>For 60 Degree Bend, Deduct</i>	-78.71	
		<i>For 30 Degree Bend, Deduct</i>	-138.74	
26 05 36 00-0090	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	464.79	171.06
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.22	
		<i>For 60 Degree Bend, Deduct</i>	-87.80	
		<i>For 30 Degree Bend, Deduct</i>	-155.84	
26 05 36 00-0091	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	566.63	200.80
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.93	
		<i>For 60 Degree Bend, Deduct</i>	-110.01	
		<i>For 30 Degree Bend, Deduct</i>	-194.50	
26 05 36 00-0092	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	663.20	243.06
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.06	
		<i>For 60 Degree Bend, Deduct</i>	-125.67	
		<i>For 30 Degree Bend, Deduct</i>	-222.96	

**26 05 36 00-0093     12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)**

26 05 36 00-0094	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	287.31	96.26
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.71	
26 05 36 00-0095	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	313.07	109.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.14	
26 05 36 00-0096	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	336.73	121.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.54	
26 05 36 00-0097	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	388.35	149.01
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.42	
26 05 36 00-0098	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	430.96	171.06
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.84	
26 05 36 00-0099	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	478.36	192.53
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.79	
26 05 36 00-0100	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	529.62	219.76
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.65	

**26 05 36 00-0101     24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)**

26 05 36 00-0102	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	346.73	100.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.31	
26 05 36 00-0103	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	376.27	115.51
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.00	
26 05 36 00-0104	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	404.96	128.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.80	
26 05 36 00-0105	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	466.86	159.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.41	
26 05 36 00-0106	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	519.59	184.91
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.55	
26 05 36 00-0107	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	572.90	209.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.80	
26 05 36 00-0108	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	655.96	243.06
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.34	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-0109		<b>36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>			
26 05 36 00-0110	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	416.97		104.92
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.95		
26 05 36 00-0111	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	453.39		121.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.21		
26 05 36 00-0112	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	480.34		135.92
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.70		
26 05 36 00-0113	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	559.29		171.06
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.67		
26 05 36 00-0114	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	611.77		200.80
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.44		
26 05 36 00-0115	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	700.03		231.02
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.75		
26 05 36 00-0116	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	787.76		271.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.16		
26 05 36 00-0117		<b>12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>			
26 05 36 00-0118	EA	6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	511.37		184.91
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.73		
26 05 36 00-0119	EA	9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	553.09		200.80
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.57		
26 05 36 00-0120	EA	12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	580.31		209.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.54		
26 05 36 00-0121	EA	18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	648.93		231.02
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.64		
26 05 36 00-0122	EA	24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	736.84		256.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.31		
26 05 36 00-0123	EA	30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	823.25		271.94
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.67		
26 05 36 00-0124	EA	36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	931.71		307.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.52		
26 05 36 00-0125		<b>24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>			
26 05 36 00-0126	EA	6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	653.19		200.80
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.58		
26 05 36 00-0127	EA	9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	700.50		220.15
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.71		
26 05 36 00-0128	EA	12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	730.83		231.02
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.83		
26 05 36 00-0129	EA	18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	800.54		256.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.68		
26 05 36 00-0130	EA	24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	887.76		288.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.71		
26 05 36 00-0131	EA	30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	955.97		307.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.94		
26 05 36 00-0132	EA	36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,159.95		355.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.36		
26 05 36 00-0133		<b>36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>			
26 05 36 00-0134	EA	6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	843.07		220.15
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.96		
26 05 36 00-0135	EA	9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	899.56		243.06
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.70		
26 05 36 00-0136	EA	12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	955.23		256.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.15		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0137 EA 18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,048.52	288.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.79	
26 05 36 00-0138 EA 24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,189.45	329.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.47	
26 05 36 00-0139 EA 30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,290.38	355.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.40	
26 05 36 00-0140 EA 36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,448.78	419.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.90	
<b>26 05 36 00-0141 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0142 EA 6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	630.92	171.06
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.84	
26 05 36 00-0143 EA 9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	645.19	177.79
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.70	
26 05 36 00-0144 EA 12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	659.99	184.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.59	
26 05 36 00-0145 EA 18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	692.62	200.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.53	
26 05 36 00-0146 EA 24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	713.77	209.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.89	
26 05 36 00-0147 EA 30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	773.29	231.02
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.08	
26 05 36 00-0148 EA 36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	830.87	256.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.71	
<b>26 05 36 00-0149 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0150 EA 6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	932.98	184.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.89	
26 05 36 00-0151 EA 9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	954.81	192.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.44	
26 05 36 00-0152 EA 12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	977.74	200.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.04	
26 05 36 00-0153 EA 18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,028.09	220.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.47	
26 05 36 00-0154 EA 24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,064.48	231.02
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.20	
26 05 36 00-0155 EA 30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,125.09	256.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.14	
26 05 36 00-0156 EA 36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,209.28	288.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.86	
<b>26 05 36 00-0157 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0158 EA 6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,502.49	200.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-133.51	
26 05 36 00-0159 EA 9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,532.74	209.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-135.79	
26 05 36 00-0160 EA 12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,564.97	220.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-138.15	
26 05 36 00-0161 EA 18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,618.43	243.06
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-141.59	
26 05 36 00-0162 EA 24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,655.91	256.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-144.22	
26 05 36 00-0163 EA 30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,755.26	288.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-151.46	
26 05 36 00-0164 EA 36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,838.56	329.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-156.38	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 36 00-0165		12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>			
26 05 36 00-0166	EA	6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	636.80		231.02
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.43		
26 05 36 00-0167	EA	9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	669.03		243.06
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.65		
26 05 36 00-0168	EA	12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	715.61		256.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.19		
26 05 36 00-0169	EA	18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	768.66		271.94
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.21		
26 05 36 00-0170	EA	24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	864.97		307.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.84		
26 05 36 00-0171	EA	30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	971.06		329.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.63		
26 05 36 00-0172	EA	36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,062.89		355.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.65		
26 05 36 00-0173		24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>			
26 05 36 00-0174	EA	6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	915.80		256.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.21		
26 05 36 00-0175	EA	9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	956.72		271.94
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.01		
26 05 36 00-0176	EA	12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	999.99		288.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.93		
26 05 36 00-0177	EA	18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,065.17		307.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.86		
26 05 36 00-0178	EA	24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,181.19		355.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.48		
26 05 36 00-0179	EA	30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,269.62		385.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.88		
26 05 36 00-0180	EA	36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,427.54		419.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.78		
26 05 36 00-0181		36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>			
26 05 36 00-0182	EA	6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,163.79		288.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.31		
26 05 36 00-0183	EA	9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,225.93		307.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.94		
26 05 36 00-0184	EA	12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,292.58		329.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.79		
26 05 36 00-0185	EA	18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,411.71		355.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.53		
26 05 36 00-0186	EA	24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,609.54		419.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-125.98		
26 05 36 00-0187	EA	30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,754.66		461.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-137.02		
26 05 36 00-0188	EA	36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,918.04		513.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-148.98		
26 05 36 00-0189		12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>			
26 05 36 00-0190	EA	6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	750.09		231.02
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.76		
26 05 36 00-0191	EA	9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	787.92		243.16
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.53		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0192	EA		12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	845.20	256.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.15	
26 05 36 00-0193	EA		18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	910.79	272.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.41	
26 05 36 00-0194	EA		24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,023.31	307.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.68	
26 05 36 00-0195	EA		30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,161.04	329.79
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.62	
26 05 36 00-0196	EA		36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,273.73	355.20
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.77	
<b>26 05 36 00-0197</b>			<b>24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0198	EA		6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,135.56	256.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.18	
26 05 36 00-0199	EA		9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,183.30	271.94
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.67	
26 05 36 00-0200	EA		12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,233.40	288.78
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.27	
26 05 36 00-0201	EA		18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,313.59	307.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.70	
26 05 36 00-0202	EA		24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,445.99	355.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.96	
26 05 36 00-0203	EA		30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,552.16	385.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-123.13	
26 05 36 00-0204	EA		36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,755.13	419.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-140.53	
<b>26 05 36 00-0205</b>			<b>36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0206	EA		6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,470.90	288.78
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-123.02	
26 05 36 00-0207	EA		9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,546.69	307.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-129.01	
26 05 36 00-0208	EA		12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,626.99	329.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-135.23	
26 05 36 00-0209	EA		18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,780.25	355.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-148.39	
26 05 36 00-0210	EA		24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,019.02	419.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-166.92	
26 05 36 00-0211	EA		30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,198.27	461.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-181.38	
26 05 36 00-0212	EA		36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,395.77	513.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-196.76	
<b>26 05 36 00-0213</b>			<b>6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-0002)</small>		
<b>26 05 36 00-0214</b>			<b>12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0215	EA		6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	249.07	96.55
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.86	
26 05 36 00-0216	EA		9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	278.48	109.93
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.68	
26 05 36 00-0217	EA		12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	306.17	121.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.49	
26 05 36 00-0218	EA		18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	382.75	149.01
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.86	
26 05 36 00-0219	EA		24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	436.32	171.06
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.38	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0220	EA		30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	519.66	192.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.92	
26 05 36 00-0221	EA		36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	599.13	220.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.58	
<b>26 05 36 00-0222</b>			<b>24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small></b>		
26 05 36 00-0223	EA		6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	349.35	100.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.57	
26 05 36 00-0224	EA		9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	379.96	115.42
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.38	
26 05 36 00-0225	EA		12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	408.51	128.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.16	
26 05 36 00-0226	EA		18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	475.61	159.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.28	
26 05 36 00-0227	EA		24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	533.53	184.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.95	
26 05 36 00-0228	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	594.77	209.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.99	
26 05 36 00-0229	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	696.33	243.06
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.38	
<b>26 05 36 00-0230</b>			<b>36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small></b>		
26 05 36 00-0231	EA		6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	376.49	104.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.90	
26 05 36 00-0232	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	415.19	121.48
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.40	
26 05 36 00-0233	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	449.19	135.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.59	
26 05 36 00-0234	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	539.92	171.06
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.74	
26 05 36 00-0235	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	614.69	200.80
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.73	
26 05 36 00-0236	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	721.03	231.02
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.85	
26 05 36 00-0237	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	819.15	271.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.30	
<b>26 05 36 00-0238</b>			<b>12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small></b>		
26 05 36 00-0239	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	185.19	69.98
			<i>For 60 Degree Bend, Deduct</i>	-34.30	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.69	
			<i>For 30 Degree Bend, Deduct</i>	-61.05	
26 05 36 00-0240	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	211.23	83.94
			<i>For 60 Degree Bend, Deduct</i>	-37.55	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.13	
			<i>For 30 Degree Bend, Deduct</i>	-67.24	
26 05 36 00-0241	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	234.64	96.26
			<i>For 60 Degree Bend, Deduct</i>	-40.53	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.44	
			<i>For 30 Degree Bend, Deduct</i>	-72.90	
26 05 36 00-0242	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	281.14	121.68
			<i>For 60 Degree Bend, Deduct</i>	-46.15	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.98	
			<i>For 30 Degree Bend, Deduct</i>	-83.67	
26 05 36 00-0243	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	349.15	149.01
			<i>For 60 Degree Bend, Deduct</i>	-58.10	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.50	
			<i>For 30 Degree Bend, Deduct</i>	-105.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0244	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	413.93 -71.02 -27.14 -127.87	171.06
26 05 36 00-0245	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	469.10 -77.82 -30.18 -140.86	200.80
<b>26 05 36 00-0246      24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small></b>					
26 05 36 00-0247	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	207.06 -40.67 -14.69 -71.79	72.19
26 05 36 00-0248	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	237.46 -45.00 -16.49 -79.83	87.02
26 05 36 00-0249	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	271.07 -50.94 -18.73 -90.47	100.50
26 05 36 00-0250	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	320.32 -56.50 -21.34 -101.30	128.32
26 05 36 00-0251	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	394.42 -69.07 -26.16 -123.96	159.40
26 05 36 00-0252	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	462.13 -81.63 -30.81 -146.32	184.91
26 05 36 00-0253	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	543.24 -94.89 -35.98 -170.38	220.15
<b>26 05 36 00-0254      36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small></b>					
26 05 36 00-0255	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	248.72 -53.53 -18.67 -93.35	74.51
26 05 36 00-0256	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	282.39 -58.51 -20.70 -102.54	90.48
26 05 36 00-0257	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	309.42 -61.85 -22.19 -108.92	105.02
26 05 36 00-0258	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	372.19 -70.70 -25.89 -125.39	135.92
26 05 36 00-0259	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	439.12 -79.33 -29.66 -141.72	171.06
26 05 36 00-0260	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	533.49 -99.07 -36.61 -176.27	200.80
26 05 36 00-0261	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	626.33 -113.51 -42.38 -202.68	243.06

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-0262		12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>			
26 05 36 00-0263	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	277.16		96.26
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.69		
26 05 36 00-0264	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	302.68		109.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.10		
26 05 36 00-0265	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	326.00		121.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.47		
26 05 36 00-0266	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	377.15		149.01
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.30		
26 05 36 00-0267	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	419.29		171.06
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.67		
26 05 36 00-0268	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	465.76		192.53
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.53		
26 05 36 00-0269	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	516.55		219.76
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.34		
26 05 36 00-0270		24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>			
26 05 36 00-0271	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	332.38		100.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.87		
26 05 36 00-0272	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	361.57		115.51
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.53		
26 05 36 00-0273	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	389.67		128.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.27		
26 05 36 00-0274	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	450.76		159.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.80		
26 05 36 00-0275	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	502.67		184.91
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.86		
26 05 36 00-0276	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	555.05		209.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.02		
26 05 36 00-0277	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	635.90		243.06
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.33		
26 05 36 00-0278		36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>			
26 05 36 00-0279	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	397.61		104.92
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.02		
26 05 36 00-0280	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	433.33		121.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.20		
26 05 36 00-0281	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	460.04		135.92
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.67		
26 05 36 00-0282	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	537.35		171.06
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.48		
26 05 36 00-0283	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	589.61		200.80
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.23		
26 05 36 00-0284	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	674.83		231.02
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.23		
26 05 36 00-0285	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	760.93		271.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.48		
26 05 36 00-0286		12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>			
26 05 36 00-0287	EA	6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	495.73		184.91
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.17		
26 05 36 00-0288	EA	9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	536.29		200.80
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.89		
26 05 36 00-0289	EA	12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	562.57		209.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.77		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0290 EA 18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	628.63	231.02
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.61	
26 05 36 00-0291 EA 24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	713.04	256.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.93	
26 05 36 00-0292 EA 30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	794.79	271.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.82	
26 05 36 00-0293 EA 36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	899.51	307.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.30	
<b>26 05 36 00-0294 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0295 EA 6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	628.69	200.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.13	
26 05 36 00-0296 EA 9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	674.84	220.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.14	
26 05 36 00-0297 EA 12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	704.23	231.02
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.17	
26 05 36 00-0298 EA 18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	771.84	256.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.81	
26 05 36 00-0299 EA 24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	856.50	288.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.58	
26 05 36 00-0300 EA 30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	921.91	307.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.54	
26 05 36 00-0301 EA 36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,116.32	355.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.00	
<b>26 05 36 00-0302 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0303 EA 6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	806.43	220.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.30	
26 05 36 00-0304 EA 9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	861.52	243.06
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.90	
26 05 36 00-0305 EA 12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	914.63	256.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.09	
26 05 36 00-0306 EA 18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,004.89	288.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.42	
26 05 36 00-0307 EA 24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,140.22	329.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.55	
26 05 36 00-0308 EA 30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,236.72	355.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.04	
26 05 36 00-0309 EA 36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,391.15	419.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.14	
<b>26 05 36 00-0310 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0311 EA 6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	604.32	171.06
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.18	
26 05 36 00-0312 EA 9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	618.36	177.79
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.02	
26 05 36 00-0313 EA 12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	632.93	184.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.89	
26 05 36 00-0314 EA 18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	665.09	200.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.77	
26 05 36 00-0315 EA 24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	685.77	209.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.09	
26 05 36 00-0316 EA 30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	743.43	231.02
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.09	
26 05 36 00-0317 EA 36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	799.84	256.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.61	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-0318		<b>24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>			
26 05 36 00-0319	EA	6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	.884.92		184.91
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.09		
26 05 36 00-0320	EA	9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	.906.05		192.53
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.56		
26 05 36 00-0321	EA	12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	.928.28		200.80
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.09		
26 05 36 00-0322	EA	18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	.977.23		220.15
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.38		
26 05 36 00-0323	EA	24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,012.22		231.02
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.97		
26 05 36 00-0324	EA	30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,071.43		256.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.77		
26 05 36 00-0325	EA	36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,153.29		288.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.26		
26 05 36 00-0326		<b>36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>			
26 05 36 00-0327	EA	6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,412.66		200.80
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-124.53		
26 05 36 00-0328	EA	9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,441.74		209.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-126.69		
26 05 36 00-0329	EA	12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,472.81		220.15
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-128.94		
26 05 36 00-0330	EA	18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,525.10		243.06
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-132.25		
26 05 36 00-0331	EA	24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,561.41		256.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-134.77		
26 05 36 00-0332	EA	30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,657.27		288.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-141.66		
26 05 36 00-0333	EA	36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,739.40		329.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-146.47		
26 05 36 00-0334		<b>12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>			
26 05 36 00-0335	EA	6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	.617.43		231.02
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.49		
26 05 36 00-0336	EA	9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	.648.73		243.06
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.62		
26 05 36 00-0337	EA	12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	.693.44		256.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.97		
26 05 36 00-0338	EA	18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	.744.39		271.94
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.78		
26 05 36 00-0339	EA	24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	.837.91		307.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.14		
26 05 36 00-0340	EA	30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	.938.63		329.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.39		
26 05 36 00-0341	EA	36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,026.72		355.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.04		
26 05 36 00-0342		<b>24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>			
26 05 36 00-0343	EA	6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	.878.23		256.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.45		
26 05 36 00-0344	EA	9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	.917.98		271.94
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.14		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0345 EA 12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	960.09	288.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.94	
26 05 36 00-0346 EA 18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,022.70	307.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.61	
26 05 36 00-0347 EA 24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,135.92	355.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.96	
26 05 36 00-0348 EA 30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,221.32	385.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.05	
26 05 36 00-0349 EA 36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,371.55	419.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.18	
<b>26 05 36 00-0350 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0351 EA 6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,111.29	288.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.06	
26 05 36 00-0352 EA 9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,171.10	307.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.45	
26 05 36 00-0353 EA 12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,235.42	329.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.07	
26 05 36 00-0354 EA 18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,348.71	355.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.23	
26 05 36 00-0355 EA 24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,539.54	419.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.98	
26 05 36 00-0356 EA 30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,678.83	461.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-129.44	
26 05 36 00-0357 EA 36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,836.37	513.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-140.82	
<b>26 05 36 00-0358 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0359 EA 6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	722.01	231.02
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.95	
26 05 36 00-0360 EA 9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	758.49	243.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.59	
26 05 36 00-0361 EA 12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	813.06	256.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.94	
26 05 36 00-0362 EA 18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	875.60	272.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.89	
26 05 36 00-0363 EA 24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	984.06	307.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.75	
26 05 36 00-0364 EA 30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,114.01	329.79
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.92	
26 05 36 00-0365 EA 36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,221.29	355.20
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.53	
<b>26 05 36 00-0366 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0367 EA 6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,081.09	256.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.74	
26 05 36 00-0368 EA 9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,127.14	271.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.05	
26 05 36 00-0369 EA 12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,175.55	288.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.49	
26 05 36 00-0370 EA 18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,252.01	307.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.55	
26 05 36 00-0371 EA 24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,380.35	355.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.40	
26 05 36 00-0372 EA 30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,482.13	385.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.13	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 36 00-0373	EA	36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,673.94		419.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-132.42		
<b>26 05 36 00-0374</b>		<b>36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>			
26 05 36 00-0375	EA	6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,394.78		288.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.41		
26 05 36 00-0376	EA	9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,467.19		307.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.06		
26 05 36 00-0377	EA	12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,544.10		329.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-126.94		
26 05 36 00-0378	EA	18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,688.90		355.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-139.25		
26 05 36 00-0379	EA	24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,917.53		419.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-156.77		
26 05 36 00-0380	EA	30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,088.31		461.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-170.39		
26 05 36 00-0381	EA	36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,277.36		513.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-184.92		
<b>26 05 36 00-0382</b>		<b>9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-0002)</small>			
<b>26 05 36 00-0383</b>		<b>12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>			
26 05 36 00-0384	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	234.37		96.55
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.39		
26 05 36 00-0385	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	262.61		109.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.10		
26 05 36 00-0386	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	288.90		121.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.76		
26 05 36 00-0387	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	360.35		149.01
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.62		
26 05 36 00-0388	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	411.13		171.06
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.86		
26 05 36 00-0389	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	486.53		192.53
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.61		
26 05 36 00-0390	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	560.40		220.05
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.70		
<b>26 05 36 00-0391</b>		<b>24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>			
26 05 36 00-0392	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	319.02		100.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.53		
26 05 36 00-0393	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	348.70		115.42
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.25		
26 05 36 00-0394	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	376.08		128.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.91		
26 05 36 00-0395	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	440.61		159.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.78		
26 05 36 00-0396	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	495.97		184.91
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.19		
26 05 36 00-0397	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	553.94		209.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.91		
26 05 36 00-0398	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	647.80		243.06
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.52		
<b>26 05 36 00-0399</b>		<b>36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0400	EA		6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	342.89 -25.54	104.92
26 05 36 00-0401	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	379.73 -27.85	121.48
26 05 36 00-0402	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	412.09 -29.88	135.92
26 05 36 00-0403	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	497.46 -35.49	171.06
26 05 36 00-0404	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	568.02 -40.07	200.80
26 05 36 00-0405	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	665.03 -47.25	231.02
26 05 36 00-0406	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	758.02 -53.18	271.46
<b>26 05 36 00-0407</b>			<b>12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0408	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	173.75 -54.76 -11.55 -30.52	69.98
26 05 36 00-0409	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	199.33 -60.69 -12.94 -33.62	83.94
26 05 36 00-0410	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	222.27 -66.09 -14.21 -36.45	96.26
26 05 36 00-0411	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	268.07 -76.48 -16.67 -41.83	121.68
26 05 36 00-0412	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	332.35 -95.87 -20.82 -52.56	149.01
26 05 36 00-0413	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	392.46 -116.06 -24.99 -63.93	171.06
26 05 36 00-0414	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	446.70 -128.54 -27.94 -70.43	200.80
<b>26 05 36 00-0415</b>			<b>24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0416	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	192.59 -63.83 -13.25 -35.89	72.19
26 05 36 00-0417	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	222.06 -71.36 -14.95 -39.92	87.02
26 05 36 00-0418	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	253.80 -80.98 -17.01 -45.24	100.50
26 05 36 00-0419	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	302.58 -91.55 -19.56 -50.65	128.32
26 05 36 00-0420	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	372.95 -112.16 -24.01 -61.98	159.40

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

HUMBOLDT STATE UNIVERSITY

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 36 00-0421	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	.....	436.47	184.91
		<i>For 30 Degree Bend, Deduct</i>		-132.21	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-28.24	
		<i>For 60 Degree Bend, Deduct</i>		-73.16	
26 05 36 00-0422	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	.....	513.84	220.15
		<i>For 30 Degree Bend, Deduct</i>		-154.21	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-33.04	
		<i>For 60 Degree Bend, Deduct</i>		-85.19	
<b>26 05 36 00-0423</b>		<b>36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b>	<i>(26 05 36 00-0382)</i>		
26 05 36 00-0424	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	.....	227.95	74.51
		<i>For 30 Degree Bend, Deduct</i>		-81.93	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-16.59	
		<i>For 60 Degree Bend, Deduct</i>		-46.68	
26 05 36 00-0425	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	.....	260.45	90.48
		<i>For 30 Degree Bend, Deduct</i>		-90.47	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-18.51	
		<i>For 60 Degree Bend, Deduct</i>		-51.27	
26 05 36 00-0426	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	.....	287.02	105.02
		<i>For 30 Degree Bend, Deduct</i>		-96.60	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-19.95	
		<i>For 60 Degree Bend, Deduct</i>		-54.46	
26 05 36 00-0427	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	.....	347.93	135.92
		<i>For 30 Degree Bend, Deduct</i>		-112.05	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-23.46	
		<i>For 60 Degree Bend, Deduct</i>		-62.70	
26 05 36 00-0428	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	.....	413.46	171.06
		<i>For 30 Degree Bend, Deduct</i>		-127.61	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-27.09	
		<i>For 60 Degree Bend, Deduct</i>		-70.86	
26 05 36 00-0429	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	.....	500.36	200.80
		<i>For 30 Degree Bend, Deduct</i>		-158.05	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-33.30	
		<i>For 60 Degree Bend, Deduct</i>		-88.14	
26 05 36 00-0430	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	.....	589.47	243.06
		<i>For 30 Degree Bend, Deduct</i>		-182.41	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-38.69	
		<i>For 60 Degree Bend, Deduct</i>		-101.34	
<b>26 05 36 00-0431</b>		<b>12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b>	<i>(26 05 36 00-0382)</i>		
26 05 36 00-0432	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	.....	261.94	96.26
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-18.17	
26 05 36 00-0433	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	.....	287.11	109.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-19.55	
26 05 36 00-0434	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	.....	309.90	121.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-20.86	
26 05 36 00-0435	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	.....	360.35	149.01
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-23.62	
26 05 36 00-0436	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	.....	401.79	171.06
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-25.92	
26 05 36 00-0437	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	.....	446.87	192.53
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-28.64	
26 05 36 00-0438	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	.....	496.95	219.76
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-31.38	
<b>26 05 36 00-0439</b>		<b>24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b>	<i>(26 05 36 00-0382)</i>		
26 05 36 00-0440	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	.....	310.85	100.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-22.72	
26 05 36 00-0441	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	.....	339.52	115.51
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-24.33	
26 05 36 00-0442	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	.....	366.75	128.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-25.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0443	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	426.61 -29.38	159.40
26 05 36 00-0444	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	477.30 -32.32	184.91
26 05 36 00-0445	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	528.27 -35.34	209.84
26 05 36 00-0446	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	605.80 -40.32	243.06
<b>26 05 36 00-0447</b>			<b>36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0448	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	368.56 -28.11	104.92
26 05 36 00-0449	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	403.23 -30.19	121.58
26 05 36 00-0450	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	429.59 -31.63	135.92
26 05 36 00-0451	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	504.46 -36.19	171.06
26 05 36 00-0452	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	556.36 -38.90	200.80
26 05 36 00-0453	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	637.03 -44.45	231.02
26 05 36 00-0454	EA		36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	720.68 -49.45	271.46
<b>26 05 36 00-0455</b>			<b>12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0456	EA		6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	464.47 -31.04	184.91
26 05 36 00-0457	EA		9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	502.69 -33.53	200.80
26 05 36 00-0458	EA		12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	527.11 -35.22	209.84
26 05 36 00-0459	EA		18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	588.03 -39.55	231.02
26 05 36 00-0460	EA		24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	665.44 -45.17	256.44
26 05 36 00-0461	EA		30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	737.86 -51.13	271.94
26 05 36 00-0462	EA		36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	835.11 -57.86	307.85
<b>26 05 36 00-0463</b>			<b>24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0464	EA		6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	579.69 -41.23	200.80
26 05 36 00-0465	EA		9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	623.51 -44.01	220.15
26 05 36 00-0466	EA		12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	651.03 -45.85	231.02
26 05 36 00-0467	EA		18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	714.44 -50.07	256.44
26 05 36 00-0468	EA		24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	793.97 -55.33	288.78
26 05 36 00-0469	EA		30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	853.77 -59.72	307.85
26 05 36 00-0470	EA		36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,029.06 -73.27	355.68

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 36 00-0471		<b>36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>			
26 05 36 00-0472	EA	6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	733.17		220.15
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.97		
26 05 36 00-0473	EA	9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	785.46		243.06
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.29		
26 05 36 00-0474	EA	12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	833.44		256.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.97		
26 05 36 00-0475	EA	18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	917.63		288.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.70		
26 05 36 00-0476	EA	24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,041.76		329.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.70		
26 05 36 00-0477	EA	30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,129.39		355.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.30		
26 05 36 00-0478	EA	36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,275.88		419.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.61		
26 05 36 00-0479		<b>12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>			
26 05 36 00-0480	EA	6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	551.12		171.06
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.86		
26 05 36 00-0481	EA	9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	564.69		177.79
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.65		
26 05 36 00-0482	EA	12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	578.80		184.91
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.47		
26 05 36 00-0483	EA	18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	610.02		200.80
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.27		
26 05 36 00-0484	EA	24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	629.77		209.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.49		
26 05 36 00-0485	EA	30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	683.70		231.02
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.12		
26 05 36 00-0486	EA	36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	737.77		256.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.40		
26 05 36 00-0487		<b>24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>			
26 05 36 00-0488	EA	6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	788.79		184.91
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.47		
26 05 36 00-0489	EA	9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	808.52		192.53
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.81		
26 05 36 00-0490	EA	12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	829.35		200.80
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.20		
26 05 36 00-0491	EA	18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	875.50		220.15
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.21		
26 05 36 00-0492	EA	24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	907.69		231.02
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.52		
26 05 36 00-0493	EA	30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	964.10		256.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.04		
26 05 36 00-0494	EA	36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,041.29		288.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.06		
26 05 36 00-0495		<b>36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>			
26 05 36 00-0496	EA	6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,233.00		200.80
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-106.57		
26 05 36 00-0497	EA	9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,259.75		209.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.49		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0498 EA 12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,288.48	220.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.51	
26 05 36 00-0499 EA 18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,338.44	243.06
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.59	
26 05 36 00-0500 EA 24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,372.42	256.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.87	
26 05 36 00-0501 EA 30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,461.27	288.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-122.06	
26 05 36 00-0502 EA 36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,541.07	329.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-126.64	
<b>26 05 36 00-0503 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0504 EA 6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	578.70	231.02
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.62	
26 05 36 00-0505 EA 9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	608.13	243.06
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.56	
26 05 36 00-0506 EA 12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	649.11	256.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.54	
26 05 36 00-0507 EA 18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	695.86	271.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.93	
26 05 36 00-0508 EA 24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	783.78	307.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.72	
26 05 36 00-0509 EA 30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	873.76	329.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.90	
26 05 36 00-0510 EA 36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	954.39	355.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.80	
<b>26 05 36 00-0511 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0512 EA 6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	803.10	256.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.94	
26 05 36 00-0513 EA 9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	840.52	271.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.39	
26 05 36 00-0514 EA 12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	880.30	288.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.96	
26 05 36 00-0515 EA 18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	937.77	307.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.12	
26 05 36 00-0516 EA 24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,045.39	355.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.90	
26 05 36 00-0517 EA 30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,124.72	385.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.39	
26 05 36 00-0518 EA 36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,259.55	419.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.98	
<b>26 05 36 00-0519 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0520 EA 6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,006.29	288.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.56	
26 05 36 00-0521 EA 9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,061.43	307.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.49	
26 05 36 00-0522 EA 12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,121.09	329.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.64	
26 05 36 00-0523 EA 18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,222.72	355.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.64	
26 05 36 00-0524 EA 24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,399.55	419.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.98	
26 05 36 00-0525 EA 30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,527.17	461.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.27	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 36 00-0526	EA	36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,673.05		513.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-124.48		
<b>26 05 36 00-0527</b>		<b>12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>			
26 05 36 00-0528	EA	6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	665.85		231.02
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.33		
26 05 36 00-0529	EA	9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	699.62		243.16
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.70		
26 05 36 00-0530	EA	12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	748.78		256.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.51		
26 05 36 00-0531	EA	18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	805.23		272.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.85		
26 05 36 00-0532	EA	24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	905.57		307.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.90		
26 05 36 00-0533	EA	30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,019.96		329.79
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.51		
26 05 36 00-0534	EA	36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,116.41		355.20
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.04		
<b>26 05 36 00-0535</b>		<b>24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>			
26 05 36 00-0536	EA	6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	972.15		256.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.84		
26 05 36 00-0537	EA	9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,014.81		271.94
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.82		
26 05 36 00-0538	EA	12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,059.84		288.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.92		
26 05 36 00-0539	EA	18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,128.86		307.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.23		
26 05 36 00-0540	EA	24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,249.08		355.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.27		
26 05 36 00-0541	EA	30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,342.06		385.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.12		
26 05 36 00-0542	EA	36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,511.54		419.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.18		
<b>26 05 36 00-0543</b>		<b>36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>			
26 05 36 00-0544	EA	6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,242.53		288.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.19		
26 05 36 00-0545	EA	9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,308.17		307.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.16		
26 05 36 00-0546	EA	12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,378.33		329.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.36		
26 05 36 00-0547	EA	18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,506.21		355.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-120.98		
26 05 36 00-0548	EA	24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,714.53		419.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-136.47		
26 05 36 00-0549	EA	30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,868.40		461.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-148.40		
26 05 36 00-0550	EA	36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,040.53		513.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-161.23		
26 05 36 00-0551		<b>12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-0002)</small>			
26 05 36 00-0552		<b>12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0553	EA		6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	229.22 -14.88	96.55
26 05 36 00-0554	EA		9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	257.06 -16.54	109.93
26 05 36 00-0555	EA		12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	282.86 -18.16	121.58
26 05 36 00-0556	EA		18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	352.51 -22.83	149.01
26 05 36 00-0557	EA		24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	402.31 -25.97	171.06
26 05 36 00-0558	EA		30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	474.93 -31.45	192.53
26 05 36 00-0559	EA		36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	546.84 -36.35	220.05
<b>26 05 36 00-0560</b>			<b>24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small></b>		
26 05 36 00-0561	EA		6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	308.40 -22.47	100.40
26 05 36 00-0562	EA		9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	337.75 -24.16	115.42
26 05 36 00-0563	EA		12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	364.73 -25.78	128.32
26 05 36 00-0564	EA		18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	428.36 -29.56	159.40
26 05 36 00-0565	EA		24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	482.82 -32.88	184.91
26 05 36 00-0566	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	539.65 -36.48	209.84
26 05 36 00-0567	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	630.81 -42.82	243.06
<b>26 05 36 00-0568</b>			<b>36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small></b>		
26 05 36 00-0569	EA		6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	331.13 -24.37	104.92
26 05 36 00-0570	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	367.31 -26.61	121.48
26 05 36 00-0571	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	399.11 -28.58	135.92
26 05 36 00-0572	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	482.59 -34.00	171.06
26 05 36 00-0573	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	551.69 -38.43	200.80
26 05 36 00-0574	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	645.43 -45.29	231.02
26 05 36 00-0575	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	736.62 -51.04	271.46
<b>26 05 36 00-0576</b>			<b>12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small></b>		
26 05 36 00-0577	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	169.75 -11.15 -29.20 -52.56	69.98
26 05 36 00-0578	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	195.16 -12.52 -32.24 -58.40	83.94

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-0579	EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	217.94 -13.77 -35.02 -63.71	96.26
26 05 36 00-0580	EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	263.50 -16.21 -40.32 -73.97	121.68
26 05 36 00-0581	EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	326.47 -20.23 -50.61 -92.64	149.01
26 05 36 00-0582	EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	384.95 -24.24 -61.45 -111.93	171.06
26 05 36 00-0583	EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	438.86 -27.15 -67.84 -124.23	200.80
26 05 36 00-0584	<b>24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0585	EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	187.53 -12.74 -34.23 -61.05	72.19
26 05 36 00-0586	EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	216.67 -14.41 -38.14 -68.40	87.02
26 05 36 00-0587	EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	247.76 -16.40 -43.24 -77.65	100.50
26 05 36 00-0588	EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	296.38 -18.94 -48.60 -88.14	128.32
26 05 36 00-0589	EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	365.44 -23.26 -59.50 -108.03	159.40
26 05 36 00-0590	EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	427.49 -27.34 -70.20 -127.27	184.91
26 05 36 00-0591	EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	503.56 -32.01 -81.80 -148.56	220.15
26 05 36 00-0592	<b>36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0593	EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	220.68 -15.86 -44.28 -77.93	74.51
26 05 36 00-0594	EA 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	252.78 -17.74 -48.74 -86.25	90.48
26 05 36 00-0595	EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	279.18 -19.17 -51.87 -92.29	105.02
26 05 36 00-0596	EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	339.44 -22.61 -59.90 -107.38	135.92

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0597	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	404.48 -26.19 -67.90 -122.67	171.06
26 05 36 00-0598	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	488.76 -32.14 -84.31 -151.67	200.80
26 05 36 00-0599	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	576.56 -37.40 -97.08 -175.31	243.06
<b>26 05 36 00-0600</b>			<b>12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)</b>		
26 05 36 00-0601	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	254.83 -17.46	96.26
26 05 36 00-0602	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	279.84 -18.82	109.93
26 05 36 00-0603	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	302.39 -20.11	121.58
26 05 36 00-0604	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	352.51 -22.83	149.01
26 05 36 00-0605	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	393.63 -25.11	171.06
26 05 36 00-0606	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	438.05 -27.76	192.53
26 05 36 00-0607	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	487.81 -30.47	219.76
<b>26 05 36 00-0608</b>			<b>24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)</b>		
26 05 36 00-0609	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	300.81 -21.71	100.40
26 05 36 00-0610	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	329.24 -23.30	115.51
26 05 36 00-0611	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	356.05 -24.91	128.32
26 05 36 00-0612	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	415.34 -28.25	159.40
26 05 36 00-0613	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	465.46 -31.14	184.91
26 05 36 00-0614	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	515.78 -34.09	209.84
26 05 36 00-0615	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	591.75 -38.92	243.06
<b>26 05 36 00-0616</b>			<b>36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)</b>		
26 05 36 00-0617	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	355.00 -26.76	104.92
26 05 36 00-0618	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	389.18 -28.79	121.58
26 05 36 00-0619	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	415.38 -30.21	135.92
26 05 36 00-0620	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	489.10 -34.65	171.06
26 05 36 00-0621	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	540.84 -37.35	200.80
26 05 36 00-0622	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	619.39 -42.69	231.02

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 36 00-0623	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	701.90		271.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.57		
<b>26 05 36 00-0624 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)</b>					
26 05 36 00-0625	EA	6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	448.84		184.91
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.48		
26 05 36 00-0626	EA	9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	485.89		200.80
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.85		
26 05 36 00-0627	EA	12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	509.37		209.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.45		
26 05 36 00-0628	EA	18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	567.73		231.02
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.52		
26 05 36 00-0629	EA	24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	641.64		256.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.79		
26 05 36 00-0630	EA	30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	709.39		271.94
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.28		
26 05 36 00-0631	EA	36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	802.91		307.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.64		
<b>26 05 36 00-0632 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)</b>					
26 05 36 00-0633	EA	6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	555.19		200.80
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.78		
26 05 36 00-0634	EA	9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	597.84		220.15
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.44		
26 05 36 00-0635	EA	12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	624.43		231.02
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.19		
26 05 36 00-0636	EA	18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	685.74		256.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.20		
26 05 36 00-0637	EA	24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	762.70		288.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.20		
26 05 36 00-0638	EA	30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	819.71		307.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.32		
26 05 36 00-0639	EA	36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	985.43		355.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.91		
<b>26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)</b>					
26 05 36 00-0641	EA	6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	696.54		220.15
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.31		
26 05 36 00-0642	EA	9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	747.43		243.06
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.49		
26 05 36 00-0643	EA	12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	792.84		256.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.91		
26 05 36 00-0644	EA	18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	874.00		288.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.33		
26 05 36 00-0645	EA	24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	992.52		329.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.78		
26 05 36 00-0646	EA	30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,075.72		355.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.94		
26 05 36 00-0647	EA	36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,218.25		419.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.85		
<b>26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)</b>					
26 05 36 00-0649	EA	6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	524.52		171.06
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.20		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0650 EA 9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	537.86	177.79
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.97	
26 05 36 00-0651 EA 12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	551.73	184.91
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.77	
26 05 36 00-0652 EA 18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	582.49	200.80
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.51	
26 05 36 00-0653 EA 24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	601.77	209.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.69	
26 05 36 00-0654 EA 30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	653.83	231.02
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.13	
26 05 36 00-0655 EA 36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	706.74	256.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.30	
<b>26 05 36 00-0656 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0651)</b>		
26 05 36 00-0657 EA 6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	740.72	184.91
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.67	
26 05 36 00-0658 EA 9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	759.75	192.53
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.93	
26 05 36 00-0659 EA 12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	779.88	200.80
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.25	
26 05 36 00-0660 EA 18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	824.63	220.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.12	
26 05 36 00-0661 EA 24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	855.42	231.02
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.29	
26 05 36 00-0662 EA 30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	910.43	256.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-69.67	
26 05 36 00-0663 EA 36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	985.29	288.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-74.46	
<b>26 05 36 00-0664 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0651)</b>		
26 05 36 00-0665 EA 6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,143.17	200.80
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-97.58	
26 05 36 00-0666 EA 9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,168.75	209.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-99.39	
26 05 36 00-0667 EA 12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,196.32	220.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-101.29	
26 05 36 00-0668 EA 18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,245.11	243.06
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-104.25	
26 05 36 00-0669 EA 24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,277.92	256.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-106.42	
26 05 36 00-0670 EA 30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,363.28	288.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-112.26	
26 05 36 00-0671 EA 36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,441.91	329.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-116.72	
<b>26 05 36 00-0672 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0651)</b>		
26 05 36 00-0673 EA 6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	559.33	231.02
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.68	
26 05 36 00-0674 EA 9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	587.83	243.06
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.53	
26 05 36 00-0675 EA 12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	626.94	256.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.32	
26 05 36 00-0676 EA 18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	671.59	271.94
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.50	
26 05 36 00-0677 EA 24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	756.71	307.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.02	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0678	EA		30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	841.33	329.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.66	
26 05 36 00-0679	EA		36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	918.23	355.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.19	
<b>26 05 36 00-0680</b>			<b>24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small></b>		
26 05 36 00-0681	EA		6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	765.54	256.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.18	
26 05 36 00-0682	EA		9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	801.79	271.94
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.52	
26 05 36 00-0683	EA		12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	840.40	288.78
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.97	
26 05 36 00-0684	EA		18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	895.31	307.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.88	
26 05 36 00-0685	EA		24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,000.13	355.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.38	
26 05 36 00-0686	EA		30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,076.42	385.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.56	
26 05 36 00-0687	EA		36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,203.55	419.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.38	
<b>26 05 36 00-0688</b>			<b>36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small></b>		
26 05 36 00-0689	EA		6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	953.79	288.78
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.31	
26 05 36 00-0690	EA		9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,006.60	307.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.00	
26 05 36 00-0691	EA		12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,063.92	329.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.92	
26 05 36 00-0692	EA		18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,159.72	355.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.34	
26 05 36 00-0693	EA		24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,329.55	419.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.98	
26 05 36 00-0694	EA		30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,451.34	461.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-106.69	
26 05 36 00-0695	EA		36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,591.38	513.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.32	
<b>26 05 36 00-0696</b>			<b>12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small></b>		
26 05 36 00-0697	EA		6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	637.77	231.02
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.53	
26 05 36 00-0698	EA		9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	670.19	243.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.76	
26 05 36 00-0699	EA		12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	716.63	256.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.29	
26 05 36 00-0700	EA		18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	770.05	272.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.34	
26 05 36 00-0701	EA		24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	866.33	307.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.98	
26 05 36 00-0702	EA		30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	972.93	329.79
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.81	
26 05 36 00-0703	EA		36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,063.97	355.20
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.80	
<b>26 05 36 00-0704</b>			<b>24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small></b>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0705	EA		6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	917.68	256.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.40	
26 05 36 00-0706	EA		9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	958.65	271.94
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.21	
26 05 36 00-0707	EA		12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,001.99	288.78
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.13	
26 05 36 00-0708	EA		18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,067.29	307.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.07	
26 05 36 00-0709	EA		24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,183.45	355.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.71	
26 05 36 00-0710	EA		30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,272.03	385.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.12	
26 05 36 00-0711	EA		36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,430.34	419.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.06	
<b>26 05 36 00-0712</b>			<b>36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0713	EA		6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,166.41	288.78
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.58	
26 05 36 00-0714	EA		9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,228.67	307.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.21	
26 05 36 00-0715	EA		12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,295.44	329.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.07	
26 05 36 00-0716	EA		18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,414.86	355.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.85	
26 05 36 00-0717	EA		24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,613.04	419.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-126.33	
26 05 36 00-0718	EA		30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,758.45	461.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-137.40	
26 05 36 00-0719	EA		36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,922.12	513.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-149.39	
<b>26 05 36 00-0720</b>			<b>Dropout Or End Plates And Reducers</b> <small>(26 05 36 00-0002)</small>		
<b>26 05 36 00-0721</b>			<b>Straight Reducers</b> <small>(26 05 36 00-0720)</small>		
26 05 36 00-0722	EA		9"-6" Reducer, Steel Cable Tray.....	225.76	71.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.65	
26 05 36 00-0723	EA		12"-9" Reducer, Steel Cable Tray.....	237.87	76.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.38	
26 05 36 00-0724	EA		18"-12" Reducer, Steel Cable Tray.....	257.66	88.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.37	
26 05 36 00-0725	EA		24"-18" Reducer, Steel Cable Tray.....	283.16	102.71
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.76	
26 05 36 00-0726	EA		30"-24" Reducer, Steel Cable Tray.....	306.86	115.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.06	
26 05 36 00-0727	EA		36"-30" Reducer, Steel Cable Tray.....	348.30	131.98
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.83	
<b>26 05 36 00-0728</b>			<b>Reducers</b> <small>(26 05 36 00-0720)</small>		
26 05 36 00-0729	EA		18"-6" Reducer, Steel Cable Tray.....	262.42	88.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.84	
26 05 36 00-0730	EA		24"-12" Reducer, Steel Cable Tray.....	288.07	102.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.24	
26 05 36 00-0731	EA		30"-12" Reducer, Steel Cable Tray.....	316.03	115.42
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.98	
26 05 36 00-0732	EA		30"-18" Reducer, Steel Cable Tray.....	320.55	115.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.44	
26 05 36 00-0733	EA		36"-12" Reducer, Steel Cable Tray.....	350.63	131.98
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.06	
26 05 36 00-0734	EA		36"-18" Reducer, Steel Cable Tray.....	361.08	135.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.82	
26 05 36 00-0735	EA		36"-24" Reducer, Steel Cable Tray.....	372.97	139.77
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.65	
<b>26 05 36 00-0736</b>			<b>Dropout Or End Plate</b> <small>(26 05 36 00-0720)</small>		
26 05 36 00-0737	EA		6" Dropout Or End Plate, Steel Cable Tray.....	60.15	28.88
26 05 36 00-0738	EA		9" Dropout Or End Plate, Steel Cable Tray.....	69.09	33.02
26 05 36 00-0739	EA		12" Dropout Or End Plate, Steel Cable Tray.....	74.60	35.52
26 05 36 00-0740	EA		18" Dropout Or End Plate, Steel Cable Tray.....	88.05	41.97
26 05 36 00-0741	EA		24" Dropout Or End Plate, Steel Cable Tray.....	98.93	46.21

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 36 00-0742	EA	30" Dropout Or End Plate, Steel Cable Tray .....	109.61		51.30
26 05 36 00-0743	EA	36" Dropout Or End Plate, Steel Cable Tray .....	123.79		57.76
<b>26 05 36 00-0744</b>		<b>Ladder Bottom Aluminum Cable Tray</b> (26 05 36 00-0001) Note: 4-5/8" Height			
<b>26 05 36 00-0745</b>		<b>Straight Tray Sections</b> (26 05 36 00-0744)			
<b>26 05 36 00-0746</b>		<b>4" Rung Spacing</b> (26 05 36 00-0745)			
26 05 36 00-0747	LF	6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section .....	32.65		6.74
		For 6" Overall Height Instead Of 4-5/8", Add	1.63		
		For Class 12C Instead Of Class 12B, Add	3.77		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.70		
26 05 36 00-0748	LF	9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section .....	34.46		7.12
		For 6" Overall Height Instead Of 4-5/8", Add	1.72		
		For Class 12C Instead Of Class 12B, Add	3.99		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.85		
26 05 36 00-0749	LF	12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	36.27		7.41
		For 6" Overall Height Instead Of 4-5/8", Add	1.81		
		For Class 12C Instead Of Class 12B, Add	4.20		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.01		
26 05 36 00-0750	LF	18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	40.14		8.08
		For 6" Overall Height Instead Of 4-5/8", Add	2.01		
		For Class 12C Instead Of Class 12B, Add	4.67		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.34		
26 05 36 00-0751	LF	24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	45.43		8.66
		For 6" Overall Height Instead Of 4-5/8", Add	2.27		
		For Class 12C Instead Of Class 12B, Add	5.38		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.83		
26 05 36 00-0752	LF	30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	49.54		9.25
		For 6" Overall Height Instead Of 4-5/8", Add	2.48		
		For Class 12C Instead Of Class 12B, Add	5.90		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.19		
26 05 36 00-0753	LF	36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	53.31		9.82
		For 6" Overall Height Instead Of 4-5/8", Add	2.67		
		For Class 12C Instead Of Class 12B, Add	6.36		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.51		
<b>26 05 36 00-0754</b>		<b>6" Rung Spacing</b> (26 05 36 00-0745)			
26 05 36 00-0755	LF	6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section .....	30.70		6.74
		For 6" Overall Height Instead Of 4-5/8", Add	1.54		
		For Class 12C Instead Of Class 12B, Add	3.48		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.51		
26 05 36 00-0756	LF	9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section .....	32.40		7.12
		For 6" Overall Height Instead Of 4-5/8", Add	1.62		
		For Class 12C Instead Of Class 12B, Add	3.68		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.65		
26 05 36 00-0757	LF	12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section.....	34.10		7.41
		For 6" Overall Height Instead Of 4-5/8", Add	1.71		
		For Class 12C Instead Of Class 12B, Add	3.88		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.79		
26 05 36 00-0758	LF	18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section.....	37.72		8.08
		For 6" Overall Height Instead Of 4-5/8", Add	1.89		
		For Class 12C Instead Of Class 12B, Add	4.30		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.09		
26 05 36 00-0759	LF	24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section.....	42.61		8.66
		For 6" Overall Height Instead Of 4-5/8", Add	2.13		
		For Class 12C Instead Of Class 12B, Add	4.96		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.54		
26 05 36 00-0760	LF	30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section.....	46.43		9.25
		For 6" Overall Height Instead Of 4-5/8", Add	2.32		
		For Class 12C Instead Of Class 12B, Add	5.43		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.88		
26 05 36 00-0761	LF	36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section.....	49.96		9.82
		For 6" Overall Height Instead Of 4-5/8", Add	2.50		
		For Class 12C Instead Of Class 12B, Add	5.85		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.18		
<b>26 05 36 00-0762</b>		<b>9" Rung Spacing</b> (26 05 36 00-0745)			
26 05 36 00-0763	LF	6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	27.86		6.45
		For 6" Overall Height Instead Of 4-5/8", Add	1.39		
		For Class 12C Instead Of Class 12B, Add	3.10		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.25		
26 05 36 00-0764	LF	9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	28.43		6.74
		For 6" Overall Height Instead Of 4-5/8", Add	1.42		
		For Class 12C Instead Of Class 12B, Add	3.14		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.28		
26 05 36 00-0765	LF	12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section.....	30.29		7.12
		For 6" Overall Height Instead Of 4-5/8", Add	1.51		
		For Class 12C Instead Of Class 12B, Add	3.36		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.44		
26 05 36 00-0766	LF	18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section.....	32.40		7.60
		For 6" Overall Height Instead Of 4-5/8", Add	1.62		
		For Class 12C Instead Of Class 12B, Add	3.59		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.61		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0767	LF		24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	35.88 1.79 4.07 -2.93	7.89
26 05 36 00-0768	LF		30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	39.51 1.98 4.51 -3.24	8.47
26 05 36 00-0769	LF		36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	42.16 2.11 4.78 -3.44	9.25
<b>26 05 36 00-0770</b>			<b>12" Rung Spacing</b> <small>(26 05 36 00-0745)</small>		
26 05 36 00-0771	LF		6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	27.20 1.36 3.04 -2.20	6.26
26 05 36 00-0772	LF		9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	27.67 1.38 3.07 -2.23	6.45
26 05 36 00-0773	LF		12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	28.87 1.44 3.19 -2.32	6.84
26 05 36 00-0774	LF		18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	30.57 1.53 3.38 -2.45	7.22
26 05 36 00-0775	LF		24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	32.84 1.64 3.70 -2.67	7.32
26 05 36 00-0776	LF		30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	35.42 1.77 3.97 -2.87	8.08
26 05 36 00-0777	LF		36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	37.69 1.88 4.20 -3.04	8.76
<b>26 05 36 00-0778</b>			<b>18" Rung Spacing</b> <small>(26 05 36 00-0745)</small>		
26 05 36 00-0779	LF		6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	26.81 1.34 3.01 -2.17	6.07
26 05 36 00-0780	LF		9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	27.00 1.35 3.00 -2.17	6.36
26 05 36 00-0781	LF		12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	28.39 1.42 3.16 -2.29	6.55
26 05 36 00-0782	LF		18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	29.90 1.50 3.33 -2.41	6.93
26 05 36 00-0783	LF		24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	31.51 1.58 3.56 -2.57	7.03
26 05 36 00-0784	LF		30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	33.23 1.66 3.71 -2.69	7.70
26 05 36 00-0785	LF		36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	35.41 1.77 3.91 -2.84	8.37
<b>26 05 36 00-0786</b>			<b>4" Rung Tray Fittings</b> <small>(26 05 36 00-0744)</small>		
<b>26 05 36 00-0787</b>			<b>90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0788	EA		6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	261.05 13.05 -18.06	96.55
26 05 36 00-0789	EA		9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	285.99 14.30 -19.44	109.93
26 05 36 00-0790	EA		12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	324.30 16.22 -22.30	121.58

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-0791	EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	385.30 19.27 -26.11	149.01
26 05 36 00-0792	EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	455.05 22.75 -31.25	171.06
26 05 36 00-0793	EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	500.94 25.05 -34.05	192.53
26 05 36 00-0794	EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	584.85 29.24 -40.15	220.05
<b>26 05 36 00-0795</b>	<b>90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-0795)</small>		
26 05 36 00-0796	EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	344.89 17.24 -26.12	100.40
26 05 36 00-0797	EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	377.51 18.88 -28.13	115.42
26 05 36 00-0798	EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	407.93 20.40 -30.10	128.32
26 05 36 00-0799	EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	476.12 23.81 -34.33	159.40
26 05 36 00-0800	EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	538.93 26.95 -38.49	184.91
26 05 36 00-0801	EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	602.12 30.11 -42.72	209.84
26 05 36 00-0802	EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	689.19 34.46 -48.66	243.06
<b>26 05 36 00-0803</b>	<b>90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-0796)</small>		
26 05 36 00-0804	EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	370.18 18.51 -28.27	104.92
26 05 36 00-0805	EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	402.75 20.14 -30.16	121.48
26 05 36 00-0806	EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	449.78 22.49 -33.65	135.92
26 05 36 00-0807	EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	536.21 26.81 -39.36	171.06
26 05 36 00-0808	EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	618.75 30.94 -45.14	200.80
26 05 36 00-0809	EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	696.98 34.85 -50.45	231.02
26 05 36 00-0810	EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	809.95 40.50 -58.38	271.46
<b>26 05 36 00-0811</b>	<b>45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-0796)</small>		
26 05 36 00-0812	EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	182.53 -33.42 9.13 -59.59 -12.42	69.98
26 05 36 00-0813	EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	208.31 -36.58 10.42 -65.63 -13.84	83.94
26 05 36 00-0814	EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	231.45 -39.48 11.57 -71.14 -15.12	96.26
26 05 36 00-0815	EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	286.43 -47.89 14.32 -86.58 -18.51	121.68
26 05 36 00-0816	EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	352.33 -59.15 17.62 -106.86 -22.82	149.01

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0817 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	404.33	171.06
<i>For 60 Degree Bend, Deduct</i>	-67.85	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.22	
<i>For 30 Degree Bend, Deduct</i>	-122.59	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.18	
26 05 36 00-0818 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	458.97	200.80
<i>For 60 Degree Bend, Deduct</i>	-74.48	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.95	
<i>For 30 Degree Bend, Deduct</i>	-135.29	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.16	
<b>26 05 36 00-0819 45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0820 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	209.02	72.19
<i>For 60 Degree Bend, Deduct</i>	-41.32	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.45	
<i>For 30 Degree Bend, Deduct</i>	-72.87	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.89	
26 05 36 00-0821 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	243.97	87.02
<i>For 60 Degree Bend, Deduct</i>	-47.15	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.20	
<i>For 30 Degree Bend, Deduct</i>	-83.41	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.14	
26 05 36 00-0822 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	268.92	100.50
<i>For 60 Degree Bend, Deduct</i>	-50.23	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.45	
<i>For 30 Degree Bend, Deduct</i>	-89.29	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.52	
26 05 36 00-0823 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	322.97	128.32
<i>For 60 Degree Bend, Deduct</i>	-57.38	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.15	
<i>For 30 Degree Bend, Deduct</i>	-102.76	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.60	
26 05 36 00-0824 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	392.43	159.40
<i>For 60 Degree Bend, Deduct</i>	-68.41	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.62	
<i>For 30 Degree Bend, Deduct</i>	-122.87	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.96	
26 05 36 00-0825 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	460.31	184.91
<i>For 60 Degree Bend, Deduct</i>	-81.03	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.02	
<i>For 30 Degree Bend, Deduct</i>	-145.32	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.62	
26 05 36 00-0826 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	526.63	220.15
<i>For 60 Degree Bend, Deduct</i>	-89.41	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.33	
<i>For 30 Degree Bend, Deduct</i>	-161.25	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.32	
<b>26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0828 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	243.32	74.51
<i>For 60 Degree Bend, Deduct</i>	-51.75	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.17	
<i>For 30 Degree Bend, Deduct</i>	-90.38	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.13	
26 05 36 00-0829 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	272.52	90.48
<i>For 60 Degree Bend, Deduct</i>	-55.25	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.63	
<i>For 30 Degree Bend, Deduct</i>	-97.11	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.71	
26 05 36 00-0830 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	299.29	105.02
<i>For 60 Degree Bend, Deduct</i>	-58.51	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.96	
<i>For 30 Degree Bend, Deduct</i>	-103.35	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.18	
26 05 36 00-0831 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	363.55	135.92
<i>For 60 Degree Bend, Deduct</i>	-67.85	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.18	
<i>For 30 Degree Bend, Deduct</i>	-120.64	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.03	
26 05 36 00-0832 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	452.51	171.06
<i>For 60 Degree Bend, Deduct</i>	-83.75	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.63	
<i>For 30 Degree Bend, Deduct</i>	-149.09	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.99	
26 05 36 00-0833 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	512.23	200.80
<i>For 60 Degree Bend, Deduct</i>	-92.05	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.61	
<i>For 30 Degree Bend, Deduct</i>	-164.58	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.49	
26 05 36 00-0834 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	600.42	243.06
<i>For 60 Degree Bend, Deduct</i>	-104.96	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.02	
<i>For 30 Degree Bend, Deduct</i>	-188.43	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.79	
<b>26 05 36 00-0835 90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-0786)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0836	EA		6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	284.98 14.25 -20.48	96.26
26 05 36 00-0837	EA		9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	314.62 15.73 -22.30	109.93
26 05 36 00-0838	EA		12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	336.17 16.81 -23.49	121.58
26 05 36 00-0839	EA		18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	386.48 19.32 -26.23	149.01
26 05 36 00-0840	EA		24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	430.05 21.50 -28.75	171.06
26 05 36 00-0841	EA		30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	472.58 23.63 -31.21	192.53
26 05 36 00-0842	EA		36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	522.53 26.13 -33.94	219.76
<b>26 05 36 00-0843</b>			<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0844	EA		6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	302.09 15.10 -21.84	100.40
26 05 36 00-0845	EA		9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	332.92 16.65 -23.67	115.51
26 05 36 00-0846	EA		12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	357.71 17.89 -25.08	128.32
26 05 36 00-0847	EA		18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	417.33 20.87 -28.45	159.40
26 05 36 00-0848	EA		24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	468.91 23.45 -31.48	184.91
26 05 36 00-0849	EA		30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	519.61 25.98 -34.47	209.84
26 05 36 00-0850	EA		36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	586.29 29.31 -38.37	243.06
<b>26 05 36 00-0851</b>			<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0852	EA		6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	383.22 19.16 -29.58	104.92
26 05 36 00-0853	EA		9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	415.42 20.77 -31.41	121.58
26 05 36 00-0854	EA		12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	453.04 22.65 -33.97	135.92
26 05 36 00-0855	EA		18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	520.63 26.03 -37.81	171.06
26 05 36 00-0856	EA		24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	579.26 28.96 -41.19	200.80
26 05 36 00-0857	EA		30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	647.71 32.39 -45.52	231.02
26 05 36 00-0858	EA		36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	726.35 36.32 -50.02	271.46
<b>26 05 36 00-0859</b>			<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0860	EA		6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	451.79 22.59 -29.77	184.91
26 05 36 00-0861	EA		9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	487.77 24.39 -32.04	200.80
26 05 36 00-0862	EA		12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	505.21 25.26 -33.03	209.84
26 05 36 00-0863	EA		18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	571.08 28.55 -37.86	231.02
26 05 36 00-0864	EA		24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	632.33 31.62 -41.86	256.44

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0865 EA 30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	691.05	271.94
For 6" Overall Height Instead Of 4-5/8", Add	34.55	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.45	
26 05 36 00-0866 EA 36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	798.07	307.85
For 6" Overall Height Instead Of 4-5/8", Add	39.90	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.15	
<b>26 05 36 00-0867 24" Radius Horizontal Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0868 EA 6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	579.62	200.80
For 6" Overall Height Instead Of 4-5/8", Add	28.98	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.23	
26 05 36 00-0869 EA 9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	625.90	220.15
For 6" Overall Height Instead Of 4-5/8", Add	31.30	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.25	
26 05 36 00-0870 EA 12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	651.15	231.02
For 6" Overall Height Instead Of 4-5/8", Add	32.56	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.86	
26 05 36 00-0871 EA 18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	717.11	256.44
For 6" Overall Height Instead Of 4-5/8", Add	35.86	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.34	
26 05 36 00-0872 EA 24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	796.88	288.78
For 6" Overall Height Instead Of 4-5/8", Add	39.84	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.62	
26 05 36 00-0873 EA 30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	859.30	307.85
For 6" Overall Height Instead Of 4-5/8", Add	42.97	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.27	
26 05 36 00-0874 EA 36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	1,122.61	355.68
For 6" Overall Height Instead Of 4-5/8", Add	56.13	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-82.62	
<b>26 05 36 00-0875 36" Radius Horizontal Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0876 EA 6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	713.03	220.15
For 6" Overall Height Instead Of 4-5/8", Add	35.65	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.96	
26 05 36 00-0877 EA 9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	760.74	243.06
For 6" Overall Height Instead Of 4-5/8", Add	38.04	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.82	
26 05 36 00-0878 EA 12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	816.02	256.44
For 6" Overall Height Instead Of 4-5/8", Add	40.80	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.23	
26 05 36 00-0879 EA 18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	891.08	288.78
For 6" Overall Height Instead Of 4-5/8", Add	44.55	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.04	
26 05 36 00-0880 EA 24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,001.60	329.70
For 6" Overall Height Instead Of 4-5/8", Add	50.08	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-72.69	
26 05 36 00-0881 EA 30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,165.00	355.68
For 6" Overall Height Instead Of 4-5/8", Add	58.25	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-86.86	
26 05 36 00-0882 EA 36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,335.41	419.70
For 6" Overall Height Instead Of 4-5/8", Add	66.77	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-98.56	
<b>26 05 36 00-0883 12" Radius Vertical Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0884 EA 6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	607.76	171.06
For 6" Overall Height Instead Of 4-5/8", Add	30.39	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.52	
26 05 36 00-0885 EA 9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	628.42	177.79
For 6" Overall Height Instead Of 4-5/8", Add	31.42	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.02	
26 05 36 00-0886 EA 12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	642.55	184.91
For 6" Overall Height Instead Of 4-5/8", Add	32.13	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.85	
26 05 36 00-0887 EA 18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	676.17	200.80
For 6" Overall Height Instead Of 4-5/8", Add	33.81	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.88	
26 05 36 00-0888 EA 24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	719.51	209.84
For 6" Overall Height Instead Of 4-5/8", Add	35.98	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.46	
26 05 36 00-0889 EA 30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	761.84	231.02
For 6" Overall Height Instead Of 4-5/8", Add	38.09	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.93	
26 05 36 00-0890 EA 36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	816.02	256.44
For 6" Overall Height Instead Of 4-5/8", Add	40.80	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.23	
<b>26 05 36 00-0891 24" Radius Vertical Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0892 EA 6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	854.49	184.91
For 6" Overall Height Instead Of 4-5/8", Add	42.72	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.04	
26 05 36 00-0893 EA 9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	874.29	192.53
For 6" Overall Height Instead Of 4-5/8", Add	43.71	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.39	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0894	EA		12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	895.18 44.76 -72.78	200.80
26 05 36 00-0895	EA		18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	943.82 47.19 -76.04	220.15
26 05 36 00-0896	EA		24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	976.14 48.81 -78.36	231.02
26 05 36 00-0897	EA		30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,032.68 51.63 -81.90	256.44
26 05 36 00-0898	EA		36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,140.70 57.04 -90.00	288.78
<b>26 05 36 00-0899</b>			<b>36" Radius Vertical Tee</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0900	EA		6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,374.07 68.70 -120.67	200.80
26 05 36 00-0901	EA		9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,402.64 70.13 -122.78	209.84
26 05 36 00-0902	EA		12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,433.21 71.66 -124.98	220.15
26 05 36 00-0903	EA		18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,485.01 74.25 -128.24	243.06
26 05 36 00-0904	EA		24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,520.82 76.04 -130.71	256.44
26 05 36 00-0905	EA		30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,615.16 80.76 -137.45	288.78
26 05 36 00-0906	EA		36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,696.78 84.84 -142.21	329.70
<b>26 05 36 00-0907</b>			<b>12" Radius Horizontal Crosses</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0908	EA		6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	585.21 29.26 -39.27	231.02
26 05 36 00-0909	EA		9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	626.51 31.33 -42.39	243.06
26 05 36 00-0910	EA		12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	651.17 32.56 -43.74	256.44
26 05 36 00-0911	EA		18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	724.02 36.20 -49.74	271.94
26 05 36 00-0912	EA		24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	793.36 39.67 -53.68	307.85
26 05 36 00-0913	EA		30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	879.14 43.96 -60.44	329.70
26 05 36 00-0914	EA		36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,004.86 50.24 -70.85	355.68
<b>26 05 36 00-0915</b>			<b>24" Radius Horizontal Crosses</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0916	EA		6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	811.31 40.57 -59.76	256.44
26 05 36 00-0917	EA		9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	848.84 42.44 -62.22	271.94
26 05 36 00-0918	EA		12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	888.72 44.44 -64.81	288.78
26 05 36 00-0919	EA		18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	941.73 47.09 -68.52	307.85
26 05 36 00-0920	EA		24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,059.03 52.95 -76.27	355.68
26 05 36 00-0921	EA		30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,284.78 64.24 -96.39	385.04
26 05 36 00-0922	EA		36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,424.51 71.23 -107.47	419.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-0923    36" Radius Horizontal Crosses</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0924    EA    6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	933.47	288.78
For 6" Overall Height Instead Of 4-5/8", Add	46.67	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-69.28	
26 05 36 00-0925    EA    9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,119.76	307.85
For 6" Overall Height Instead Of 4-5/8", Add	55.99	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-86.32	
26 05 36 00-0926    EA    12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,192.48	329.70
For 6" Overall Height Instead Of 4-5/8", Add	59.62	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-91.78	
26 05 36 00-0927    EA    18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,124.96	355.68
For 6" Overall Height Instead Of 4-5/8", Add	56.25	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-82.86	
26 05 36 00-0928    EA    24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,358.96	419.70
For 6" Overall Height Instead Of 4-5/8", Add	67.95	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-100.92	
26 05 36 00-0929    EA    30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,498.90	461.28
For 6" Overall Height Instead Of 4-5/8", Add	74.95	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-111.45	
26 05 36 00-0930    EA    36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,668.88	513.84
For 6" Overall Height Instead Of 4-5/8", Add	83.44	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-124.07	
<b>26 05 36 00-0931    12" Radius Vertical Cross</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0932    EA    6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	585.21	231.02
For 6" Overall Height Instead Of 4-5/8", Add	29.26	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.27	
26 05 36 00-0933    EA    9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	626.65	243.16
For 6" Overall Height Instead Of 4-5/8", Add	31.33	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.40	
26 05 36 00-0934    EA    12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	651.09	256.44
For 6" Overall Height Instead Of 4-5/8", Add	32.55	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.74	
26 05 36 00-0935    EA    18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	724.20	272.04
For 6" Overall Height Instead Of 4-5/8", Add	36.21	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.75	
26 05 36 00-0936    EA    24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	793.36	307.85
For 6" Overall Height Instead Of 4-5/8", Add	39.67	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.68	
26 05 36 00-0937    EA    30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	879.39	329.79
For 6" Overall Height Instead Of 4-5/8", Add	43.97	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.45	
26 05 36 00-0938    EA    36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	1,004.13	355.20
For 6" Overall Height Instead Of 4-5/8", Add	50.21	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.81	
<b>26 05 36 00-0939    24" Radius Vertical Crosses</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0940    EA    6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	811.31	256.44
For 6" Overall Height Instead Of 4-5/8", Add	40.57	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.76	
26 05 36 00-0941    EA    9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	848.84	271.94
For 6" Overall Height Instead Of 4-5/8", Add	42.44	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.22	
26 05 36 00-0942    EA    12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	888.72	288.78
For 6" Overall Height Instead Of 4-5/8", Add	44.44	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.81	
26 05 36 00-0943    EA    18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	941.73	307.85
For 6" Overall Height Instead Of 4-5/8", Add	47.09	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.52	
26 05 36 00-0944    EA    24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	1,059.03	355.68
For 6" Overall Height Instead Of 4-5/8", Add	52.95	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.27	
26 05 36 00-0945    EA    30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	1,140.99	385.04
For 6" Overall Height Instead Of 4-5/8", Add	57.05	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-82.01	
26 05 36 00-0946    EA    36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	1,262.41	419.70
For 6" Overall Height Instead Of 4-5/8", Add	63.12	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-91.26	
<b>26 05 36 00-0947    36" Radius Vertical Crosses</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0948    EA    6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,136.94	288.78
For 6" Overall Height Instead Of 4-5/8", Add	56.85	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-89.63	
26 05 36 00-0949    EA    9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,196.06	307.85
For 6" Overall Height Instead Of 4-5/8", Add	59.80	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-93.95	
26 05 36 00-0950    EA    12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,273.36	329.70
For 6" Overall Height Instead Of 4-5/8", Add	63.67	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-99.86	
26 05 36 00-0951    EA    18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,364.47	355.68
For 6" Overall Height Instead Of 4-5/8", Add	68.22	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-106.81	
26 05 36 00-0952    EA    24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,655.69	419.70
For 6" Overall Height Instead Of 4-5/8", Add	82.78	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-130.59	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0953	EA		30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,827.42	461.28
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	91.37	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-144.30	
26 05 36 00-0954	EA		36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	2,034.49	513.84
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	101.72	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-160.63	
<b>26 05 36 00-0955</b>			<b>6" Rung Tray Fittings (26 05 36 00-0744)</b>		
<b>26 05 36 00-0956</b>			<b>90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0955)</b>		
26 05 36 00-0957	EA		6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	246.74	96.55
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.34	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.63	
26 05 36 00-0958	EA		9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	271.32	109.93
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.57	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.97	
26 05 36 00-0959	EA		12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	306.91	121.58
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.35	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.56	
26 05 36 00-0960	EA		18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	365.74	149.01
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.29	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.16	
26 05 36 00-0961	EA		24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	430.78	171.06
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.54	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.82	
26 05 36 00-0962	EA		30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	475.21	192.53
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.76	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.48	
26 05 36 00-0963	EA		36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	553.69	220.05
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.68	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.03	
<b>26 05 36 00-0964</b>			<b>90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0955)</b>		
26 05 36 00-0965	EA		6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	319.53	100.40
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.98	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.59	
26 05 36 00-0966	EA		9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	351.06	115.42
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.55	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.49	
26 05 36 00-0967	EA		12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	380.22	128.32
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.01	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.33	
26 05 36 00-0968	EA		18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	446.05	159.40
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.30	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.32	
26 05 36 00-0969	EA		24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	505.96	184.91
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.30	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.19	
26 05 36 00-0970	EA		30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	566.08	209.84
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.30	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.12	
26 05 36 00-0971	EA		36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	648.61	243.06
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.43	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.60	
<b>26 05 36 00-0972</b>			<b>90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0955)</b>		
26 05 36 00-0973	EA		6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	342.28	104.92
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.11	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.48	
26 05 36 00-0974	EA		9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	374.13	121.48
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.71	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.29	
26 05 36 00-0975	EA		12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	417.90	135.92
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.90	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.46	
26 05 36 00-0976	EA		18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	500.34	171.06
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.02	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.78	
26 05 36 00-0977	EA		24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	578.17	200.80
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.91	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.08	
26 05 36 00-0978	EA		30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	652.42	231.02
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.62	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.99	
26 05 36 00-0979	EA		36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	758.87	271.46
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.94	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.27	
<b>26 05 36 00-0980</b>			<b>45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0955)</b>		
26 05 36 00-0981	EA		6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	173.11	69.98
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.66	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.48	
			<i>For 60 Degree Bend, Deduct</i>	-30.31	
			<i>For 30 Degree Bend, Deduct</i>	-54.40	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0982 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	198.52	83.94
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.93	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.86	
<i>For 60 Degree Bend, Deduct</i>	-33.35	
<i>For 30 Degree Bend, Deduct</i>	-60.25	
26 05 36 00-0983 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	221.31	96.26
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.07	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.11	
<i>For 60 Degree Bend, Deduct</i>	-36.13	
<i>For 30 Degree Bend, Deduct</i>	-65.57	
26 05 36 00-0984 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	274.48	121.68
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.72	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.31	
<i>For 60 Degree Bend, Deduct</i>	-43.95	
<i>For 30 Degree Bend, Deduct</i>	-80.01	
26 05 36 00-0985 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	337.48	149.01
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.87	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.33	
<i>For 60 Degree Bend, Deduct</i>	-54.25	
<i>For 30 Degree Bend, Deduct</i>	-98.69	
26 05 36 00-0986 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	387.30	171.06
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.37	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.47	
<i>For 60 Degree Bend, Deduct</i>	-62.23	
<i>For 30 Degree Bend, Deduct</i>	-113.22	
26 05 36 00-0987 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	441.22	200.80
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.06	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.39	
<i>For 60 Degree Bend, Deduct</i>	-68.62	
<i>For 30 Degree Bend, Deduct</i>	-125.53	
<b>26 05 36 00-0988 45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-0985)</small>		
26 05 36 00-0989 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	196.34	72.19
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.82	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.62	
<i>For 60 Degree Bend, Deduct</i>	-37.13	
<i>For 30 Degree Bend, Deduct</i>	-65.90	
26 05 36 00-0990 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	229.84	87.02
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.49	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.73	
<i>For 60 Degree Bend, Deduct</i>	-42.48	
<i>For 30 Degree Bend, Deduct</i>	-75.64	
26 05 36 00-0991 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	254.42	100.50
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.72	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.07	
<i>For 60 Degree Bend, Deduct</i>	-45.44	
<i>For 30 Degree Bend, Deduct</i>	-81.32	
26 05 36 00-0992 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	307.39	128.32
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.37	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.04	
<i>For 60 Degree Bend, Deduct</i>	-52.24	
<i>For 30 Degree Bend, Deduct</i>	-94.19	
26 05 36 00-0993 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	374.31	159.40
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.72	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.15	
<i>For 60 Degree Bend, Deduct</i>	-62.43	
<i>For 30 Degree Bend, Deduct</i>	-112.90	
26 05 36 00-0994 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	438.57	184.91
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.93	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.45	
<i>For 60 Degree Bend, Deduct</i>	-73.86	
<i>For 30 Degree Bend, Deduct</i>	-133.36	
26 05 36 00-0995 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	503.80	220.15
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.19	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.04	
<i>For 60 Degree Bend, Deduct</i>	-81.88	
<i>For 30 Degree Bend, Deduct</i>	-148.69	
<b>26 05 36 00-0996 45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-0985)</small>		
26 05 36 00-0997 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	226.29	74.51
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.31	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.42	
<i>For 60 Degree Bend, Deduct</i>	-46.13	
<i>For 30 Degree Bend, Deduct</i>	-81.02	
26 05 36 00-0998 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	255.13	90.48
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.76	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.97	
<i>For 60 Degree Bend, Deduct</i>	-49.51	
<i>For 30 Degree Bend, Deduct</i>	-87.55	
26 05 36 00-0999 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	281.54	105.02
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.08	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.40	
<i>For 60 Degree Bend, Deduct</i>	-52.65	
<i>For 30 Degree Bend, Deduct</i>	-93.59	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-1000	EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	343.99 17.20 -23.07 -61.40 -109.88	135.92
26 05 36 00-1001	EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	428.60 21.43 -28.60 -75.86 -135.93	171.06
26 05 36 00-1002	EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	486.87 24.34 -31.95 -83.69 -150.63	200.80
26 05 36 00-1003	EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	572.52 28.63 -37.00 -95.75 -173.09	243.06
<b>26 05 36 00-1004</b>	<b>90 Degree, 12" Radius Vertical Risers (26 05 36 00-0955)</b>		
26 05 36 00-1005	EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	275.02 13.75 -19.48	96.26
26 05 36 00-1006	EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	304.11 15.21 -21.25	109.93
26 05 36 00-1007	EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	325.48 16.27 -22.42	121.58
26 05 36 00-1008	EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	375.43 18.77 -25.13	149.01
26 05 36 00-1009	EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	418.46 20.92 -27.59	171.06
26 05 36 00-1010	EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	460.45 23.02 -30.00	192.53
26 05 36 00-1011	EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	510.03 25.50 -32.69	219.76
<b>26 05 36 00-1012</b>	<b>90 Degree, 24" Radius Vertical Risers (26 05 36 00-0955)</b>		
26 05 36 00-1013	EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	291.31 14.57 -20.76	100.40
26 05 36 00-1014	EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	321.69 16.08 -22.54	115.51
26 05 36 00-1015	EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	346.21 17.31 -23.93	128.32
26 05 36 00-1016	EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	405.20 20.26 -27.24	159.40
26 05 36 00-1017	EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	456.05 22.80 -30.20	184.91
26 05 36 00-1018	EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	506.02 25.30 -33.11	209.84
26 05 36 00-1019	EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	571.80 28.59 -36.92	243.06
<b>26 05 36 00-1020</b>	<b>90 Degree, 36" Radius Vertical Risers (26 05 36 00-0955)</b>		
26 05 36 00-1021	EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	366.56 18.33 -27.91	104.92
26 05 36 00-1022	EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	398.40 19.92 -29.71	121.58
26 05 36 00-1023	EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	434.92 21.75 -32.16	135.92
26 05 36 00-1024	EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	501.79 25.09 -35.92	171.06
26 05 36 00-1025	EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	559.69 27.98 -39.23	200.80
26 05 36 00-1026	EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	626.70 31.34 -43.42	231.02

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1027	EA		36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	704.43 35.22 -47.83	271.46
<b>26 05 36 00-1028</b>			<b>12" Radius Horizontal Tees</b> (26 05 36 00-0955)		
26 05 36 00-1029	EA		6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	440.74 22.04 -28.67	184.91
26 05 36 00-1030	EA		9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	476.00 23.80 -30.87	200.80
26 05 36 00-1031	EA		12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	493.25 24.66 -31.84	209.84
26 05 36 00-1032	EA		18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	556.77 27.84 -36.43	231.02
26 05 36 00-1033	EA		24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	616.57 30.83 -40.28	256.44
26 05 36 00-1034	EA		30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	672.76 33.64 -44.62	271.94
26 05 36 00-1035	EA		36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	776.15 38.81 -51.96	307.85
<b>26 05 36 00-1036</b>			<b>24" Radius Horizontal Tees</b> (26 05 36 00-0955)		
26 05 36 00-1037	EA		6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	560.78 28.04 -39.34	200.80
26 05 36 00-1038	EA		9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	605.97 30.30 -42.25	220.15
26 05 36 00-1039	EA		12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	630.68 31.53 -43.82	231.02
26 05 36 00-1040	EA		18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	694.83 34.74 -48.11	256.44
26 05 36 00-1041	EA		24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	772.60 38.63 -53.19	288.78
26 05 36 00-1042	EA		30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	832.67 41.63 -57.61	307.85
26 05 36 00-1043	EA		36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	1,081.85 54.09 -78.55	355.68
<b>26 05 36 00-1044</b>			<b>36" Radius Horizontal Tees</b> (26 05 36 00-0955)		
26 05 36 00-1045	EA		6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	686.40 34.32 -50.30	220.15
26 05 36 00-1046	EA		9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	733.39 36.67 -53.08	243.06
26 05 36 00-1047	EA		12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	786.13 39.31 -57.24	256.44
26 05 36 00-1048	EA		18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	859.56 42.98 -61.89	288.78
26 05 36 00-1049	EA		24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	966.81 48.34 -69.21	329.70
26 05 36 00-1050	EA		30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	1,120.98 56.05 -82.46	355.68
26 05 36 00-1051	EA		36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	1,286.50 64.33 -93.67	419.70
<b>26 05 36 00-1052</b>			<b>12" Radius Vertical Tees</b> (26 05 36 00-0955)		
26 05 36 00-1053	EA		6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	582.94 29.15 -44.04	171.06
26 05 36 00-1054	EA		9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	602.88 30.14 -45.47	177.79
26 05 36 00-1055	EA		12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	616.82 30.84 -46.28	184.91

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 36 00-1056	EA	18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	649.90	200.80
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		32.50	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-48.26	
26 05 36 00-1057	EA	24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	691.07	209.84
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		34.55	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-51.62	
26 05 36 00-1058	EA	30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	732.85	231.02
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		36.64	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-54.03	
26 05 36 00-1059	EA	36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	786.13	256.44
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		39.31	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-57.24	
<b>26 05 36 00-1060</b>		<b>24" Radius Vertical Tees</b> <small>(26 05 36 00-0955)</small>			
26 05 36 00-1061	EA	6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	812.47	184.91
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		40.62	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-65.84	
26 05 36 00-1062	EA	9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	831.72	192.53
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		41.59	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-67.13	
26 05 36 00-1063	EA	12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	852.07	200.80
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		42.60	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-68.47	
26 05 36 00-1064	EA	18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	899.44	220.15
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		44.97	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-71.60	
26 05 36 00-1065	EA	24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	930.67	231.02
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		46.53	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-73.82	
26 05 36 00-1066	EA	30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	986.12	256.44
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		49.31	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-77.24	
26 05 36 00-1067	EA	36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	1,089.98	288.78
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		54.50	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-84.93	
<b>26 05 36 00-1068</b>		<b>36" Radius Vertical Tees</b> <small>(26 05 36 00-0955)</small>			
26 05 36 00-1069	EA	6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	1,294.12	200.80
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		64.71	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-112.68	
26 05 36 00-1070	EA	9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	1,321.65	209.84
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		66.08	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-114.68	
26 05 36 00-1071	EA	12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	1,351.18	220.15
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		67.56	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-116.78	
26 05 36 00-1072	EA	18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	1,401.95	243.06
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		70.10	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-119.94	
26 05 36 00-1073	EA	24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	1,436.71	256.44
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		71.84	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-122.30	
26 05 36 00-1074	EA	30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	1,527.94	288.78
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		76.40	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-128.73	
26 05 36 00-1075	EA	36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	1,608.53	329.70
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		80.43	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-133.38	
<b>26 05 36 00-1076</b>		<b>12" Radius Horizontal Crosses</b> <small>(26 05 36 00-0955)</small>			
26 05 36 00-1077	EA	6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	569.82	231.02
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		28.49	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-37.73	
26 05 36 00-1078	EA	9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	609.48	243.06
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		30.47	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-40.69	
26 05 36 00-1079	EA	12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	633.96	256.44
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		31.70	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-42.02	
26 05 36 00-1080	EA	18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	703.19	271.94
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		35.16	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-47.66	
26 05 36 00-1081	EA	24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	771.81	307.85
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		38.59	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-51.53	
26 05 36 00-1082	EA	30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	853.78	329.70
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		42.69	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-57.91	
26 05 36 00-1083	EA	36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	973.16	355.68
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		48.66	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-67.68	
<b>26 05 36 00-1084</b>		<b>24" Radius Horizontal Crosses</b> <small>(26 05 36 00-0955)</small>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1085	EA		6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	781.78	256.44
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.09	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.81	
26 05 36 00-1086	EA		9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	818.40	271.94
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.92	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.18	
26 05 36 00-1087	EA		12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	857.38	288.78
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.87	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.67	
26 05 36 00-1088	EA		18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	908.76	307.85
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.44	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.22	
26 05 36 00-1089	EA		24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,023.16	355.68
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	51.16	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.68	
26 05 36 00-1090	EA		30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,102.59	385.04
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	55.13	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.17	
26 05 36 00-1091	EA		36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,219.11	419.70
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	60.96	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.93	
<b>26 05 36 00-1092</b>			<b>36" Radius Horizontal Crosses (26 05 36 00-0955)</b>		
26 05 36 00-1093	EA		6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	898.68	288.78
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.93	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.80	
26 05 36 00-1094	EA		9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	947.88	307.85
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	47.39	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.13	
26 05 36 00-1095	EA		12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,010.29	329.70
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	50.51	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.56	
26 05 36 00-1096	EA		18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,084.02	355.68
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	54.20	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.77	
26 05 36 00-1097	EA		24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,308.24	419.70
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	65.41	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.85	
26 05 36 00-1098	EA		30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,442.75	461.28
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	72.14	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.83	
26 05 36 00-1099	EA		36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,606.38	513.84
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	80.32	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.82	
<b>26 05 36 00-1100</b>			<b>12" Radius Vertical Crosses (26 05 36 00-0955)</b>		
26 05 36 00-1101	EA		6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	569.82	231.02
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.49	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.73	
26 05 36 00-1102	EA		9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	609.62	243.16
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.48	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.70	
26 05 36 00-1103	EA		12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	633.88	256.44
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.69	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.02	
26 05 36 00-1104	EA		18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	703.37	272.04
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.17	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.67	
26 05 36 00-1105	EA		24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	771.81	307.85
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.59	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.53	
26 05 36 00-1106	EA		30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	854.03	329.79
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.70	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.92	
26 05 36 00-1107	EA		36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	972.43	355.20
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.62	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.64	
<b>26 05 36 00-1108</b>			<b>24" Radius Vertical Crosses (26 05 36 00-0955)</b>		
26 05 36 00-1109	EA		6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	781.78	256.44
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.09	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.81	
26 05 36 00-1110	EA		9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	818.40	271.94
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.92	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.18	
26 05 36 00-1111	EA		12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	857.38	288.78
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.87	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.67	
26 05 36 00-1112	EA		18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	908.76	307.85
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.44	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.22	
26 05 36 00-1113	EA		24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,023.16	355.68
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	51.16	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.68	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

HUMBOLDT STATE UNIVERSITY

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 36 00-1114	EA	30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	1,102.59		385.04
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	55.13		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.17		
26 05 36 00-1115	EA	36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	1,219.11		419.70
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	60.96		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.93		
<b>26 05 36 00-1116</b>		<b>36" Radius Vertical Crosses</b> <small>(26 05 36 00-0955)</small>			
26 05 36 00-1117	EA	6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,086.50		288.78
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	54.33		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.58		
26 05 36 00-1118	EA	9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,143.53		307.85
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	57.18		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.70		
26 05 36 00-1119	EA	12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,217.67		329.70
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	60.88		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.30		
26 05 36 00-1120	EA	18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,305.10		355.68
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	65.26		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.87		
26 05 36 00-1121	EA	24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,582.14		419.70
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	79.11		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-123.24		
26 05 36 00-1122	EA	30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,745.99		461.28
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	87.30		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-136.16		
26 05 36 00-1123	EA	36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,943.87		513.84
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	97.19		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-151.57		
<b>26 05 36 00-1124</b>		<b>9" Rung Tray Fittings</b> <small>(26 05 36 00-0744)</small>			
<b>26 05 36 00-1125</b>		<b>90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1124)</small>			
26 05 36 00-1126	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	232.43		96.55
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.62		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.20		
26 05 36 00-1127	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	256.65		109.93
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.83		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.50		
26 05 36 00-1128	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	289.52		121.58
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.48		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.82		
26 05 36 00-1129	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	346.17		149.01
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.31		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.20		
26 05 36 00-1130	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	406.50		171.06
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.33		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.39		
26 05 36 00-1131	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	449.49		192.53
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.47		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.91		
26 05 36 00-1132	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	522.53		220.05
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.13		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.92		
<b>26 05 36 00-1133</b>		<b>90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1124)</small>			
26 05 36 00-1134	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	294.17		100.40
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.71		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.05		
26 05 36 00-1135	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	324.61		115.42
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.23		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.84		
26 05 36 00-1136	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	352.50		128.32
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.63		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.55		
26 05 36 00-1137	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	415.98		159.40
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.80		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.32		
26 05 36 00-1138	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	472.99		184.91
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.65		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.89		
26 05 36 00-1139	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	530.03		209.84
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.50		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.51		
26 05 36 00-1140	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	608.03		243.06
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.40		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.55		
<b>26 05 36 00-1141</b>		<b>90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1124)</small>			
26 05 36 00-1142	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	314.39		104.92
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.72		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.69		
26 05 36 00-1143	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	345.51		121.48
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.28		
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.43		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1144 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	386.01	135.92
For 6" Overall Height Instead Of 4-5/8", Add	19.30	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.27	
26 05 36 00-1145 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	464.47	171.06
For 6" Overall Height Instead Of 4-5/8", Add	23.22	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.19	
26 05 36 00-1146 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	537.59	200.80
For 6" Overall Height Instead Of 4-5/8", Add	26.88	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.02	
26 05 36 00-1147 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	607.86	231.02
For 6" Overall Height Instead Of 4-5/8", Add	30.39	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.53	
26 05 36 00-1148 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	707.78	271.46
For 6" Overall Height Instead Of 4-5/8", Add	35.39	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.16	
<b>26 05 36 00-1149 45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1150 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	163.69	69.98
For 6" Overall Height Instead Of 4-5/8", Add	8.18	
For 30 Degree Bend, Deduct	-49.22	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.54	
For 60 Degree Bend, Deduct	-27.20	
26 05 36 00-1151 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	188.74	83.94
For 6" Overall Height Instead Of 4-5/8", Add	9.44	
For 30 Degree Bend, Deduct	-54.87	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.88	
For 60 Degree Bend, Deduct	-30.12	
26 05 36 00-1152 EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	211.16	96.26
For 6" Overall Height Instead Of 4-5/8", Add	10.56	
For 30 Degree Bend, Deduct	-59.98	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.09	
For 60 Degree Bend, Deduct	-32.78	
26 05 36 00-1153 EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	262.52	121.68
For 6" Overall Height Instead Of 4-5/8", Add	13.13	
For 30 Degree Bend, Deduct	-73.43	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.12	
For 60 Degree Bend, Deduct	-40.00	
26 05 36 00-1154 EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	322.62	149.01
For 6" Overall Height Instead Of 4-5/8", Add	16.13	
For 30 Degree Bend, Deduct	-90.52	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.84	
For 60 Degree Bend, Deduct	-49.34	
26 05 36 00-1155 EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	370.27	171.06
For 6" Overall Height Instead Of 4-5/8", Add	18.51	
For 30 Degree Bend, Deduct	-103.85	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.77	
For 60 Degree Bend, Deduct	-56.61	
26 05 36 00-1156 EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	423.46	200.80
For 6" Overall Height Instead Of 4-5/8", Add	21.17	
For 30 Degree Bend, Deduct	-115.76	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.61	
For 60 Degree Bend, Deduct	-62.76	
<b>26 05 36 00-1157 45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1158 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	183.66	72.19
For 6" Overall Height Instead Of 4-5/8", Add	9.18	
For 30 Degree Bend, Deduct	-58.92	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.35	
For 60 Degree Bend, Deduct	-32.95	
26 05 36 00-1159 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	215.71	87.02
For 6" Overall Height Instead Of 4-5/8", Add	10.79	
For 30 Degree Bend, Deduct	-67.87	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.32	
For 60 Degree Bend, Deduct	-37.82	
26 05 36 00-1160 EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	239.93	100.50
For 6" Overall Height Instead Of 4-5/8", Add	12.00	
For 30 Degree Bend, Deduct	-73.35	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.62	
For 60 Degree Bend, Deduct	-40.66	
26 05 36 00-1161 EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	291.82	128.32
For 6" Overall Height Instead Of 4-5/8", Add	14.59	
For 30 Degree Bend, Deduct	-85.63	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.49	
For 60 Degree Bend, Deduct	-47.10	
26 05 36 00-1162 EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	356.20	159.40
For 6" Overall Height Instead Of 4-5/8", Add	17.81	
For 30 Degree Bend, Deduct	-102.94	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.34	
For 60 Degree Bend, Deduct	-56.45	
26 05 36 00-1163 EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	416.83	184.91
For 6" Overall Height Instead Of 4-5/8", Add	20.84	
For 30 Degree Bend, Deduct	-121.41	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.28	
For 60 Degree Bend, Deduct	-66.68	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1164	EA		36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	480.98	220.15
			For 6" Overall Height Instead Of 4-5/8", Add	24.05	
			For 30 Degree Bend, Deduct	-136.14	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.76	
			For 60 Degree Bend, Deduct	-74.35	
<b>26 05 36 00-1165</b>			<b>45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1124)</b>		
26 05 36 00-1166	EA		6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	209.26	74.51
			For 6" Overall Height Instead Of 4-5/8", Add	10.46	
			For 30 Degree Bend, Deduct	-71.65	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.72	
			For 60 Degree Bend, Deduct	-40.51	
26 05 36 00-1167	EA		9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	237.74	90.48
			For 6" Overall Height Instead Of 4-5/8", Add	11.89	
			For 30 Degree Bend, Deduct	-77.98	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.23	
			For 60 Degree Bend, Deduct	-43.77	
26 05 36 00-1168	EA		12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	263.78	105.02
			For 6" Overall Height Instead Of 4-5/8", Add	13.19	
			For 30 Degree Bend, Deduct	-83.82	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.63	
			For 60 Degree Bend, Deduct	-46.79	
26 05 36 00-1169	EA		18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	324.42	135.92
			For 6" Overall Height Instead Of 4-5/8", Add	16.22	
			For 30 Degree Bend, Deduct	-99.12	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.11	
			For 60 Degree Bend, Deduct	-54.94	
26 05 36 00-1170	EA		24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	404.69	171.06
			For 6" Overall Height Instead Of 4-5/8", Add	20.23	
			For 30 Degree Bend, Deduct	-122.78	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.21	
			For 60 Degree Bend, Deduct	-67.97	
26 05 36 00-1171	EA		30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	461.51	200.80
			For 6" Overall Height Instead Of 4-5/8", Add	23.08	
			For 30 Degree Bend, Deduct	-136.69	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.42	
			For 60 Degree Bend, Deduct	-75.32	
26 05 36 00-1172	EA		36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	544.63	243.06
			For 6" Overall Height Instead Of 4-5/8", Add	27.23	
			For 30 Degree Bend, Deduct	-157.75	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.21	
			For 60 Degree Bend, Deduct	-86.55	
<b>26 05 36 00-1173</b>			<b>90 Degree, 12" Radius Vertical Risers (26 05 36 00-1124)</b>		
26 05 36 00-1174	EA		6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	260.07	96.26
			For 6" Overall Height Instead Of 4-5/8", Add	13.00	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.99	
26 05 36 00-1175	EA		9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	288.35	109.93
			For 6" Overall Height Instead Of 4-5/8", Add	14.42	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.67	
26 05 36 00-1176	EA		12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	309.45	121.58
			For 6" Overall Height Instead Of 4-5/8", Add	15.47	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.82	
26 05 36 00-1177	EA		18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	358.85	149.01
			For 6" Overall Height Instead Of 4-5/8", Add	17.94	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.47	
26 05 36 00-1178	EA		24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	401.07	171.06
			For 6" Overall Height Instead Of 4-5/8", Add	20.05	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.85	
26 05 36 00-1179	EA		30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	442.24	192.53
			For 6" Overall Height Instead Of 4-5/8", Add	22.11	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.18	
26 05 36 00-1180	EA		36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	491.28	219.76
			For 6" Overall Height Instead Of 4-5/8", Add	24.56	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.81	
<b>26 05 36 00-1181</b>			<b>90 Degree, 24" Radius Vertical Risers (26 05 36 00-1124)</b>		
26 05 36 00-1182	EA		6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	275.15	100.40
			For 6" Overall Height Instead Of 4-5/8", Add	13.76	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.15	
26 05 36 00-1183	EA		9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	304.84	115.51
			For 6" Overall Height Instead Of 4-5/8", Add	15.24	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.86	
26 05 36 00-1184	EA		12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	328.95	128.32
			For 6" Overall Height Instead Of 4-5/8", Add	16.45	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.20	
26 05 36 00-1185	EA		18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	386.99	159.40
			For 6" Overall Height Instead Of 4-5/8", Add	19.35	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.42	
26 05 36 00-1186	EA		24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	436.76	184.91
			For 6" Overall Height Instead Of 4-5/8", Add	21.84	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.27	
26 05 36 00-1187	EA		30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	485.64	209.84
			For 6" Overall Height Instead Of 4-5/8", Add	24.28	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.08	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1188 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	550.06 27.50 -34.75	243.06
<b>26 05 36 00-1189 90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1190 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	341.56 17.08 -25.41	104.92
26 05 36 00-1191 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	372.85 18.64 -27.16	121.58
26 05 36 00-1192 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	407.75 20.39 -29.45	135.92
26 05 36 00-1193 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	473.53 23.68 -33.10	171.06
26 05 36 00-1194 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	530.34 26.52 -36.30	200.80
26 05 36 00-1195 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	595.18 29.76 -40.27	231.02
26 05 36 00-1196 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	671.55 33.58 -44.54	271.46
<b>26 05 36 00-1197 12" Radius Horizontal Tees</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1198 EA 6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	418.64 20.93 -26.46	184.91
26 05 36 00-1199 EA 9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	452.45 22.62 -28.51	200.80
26 05 36 00-1200 EA 12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	469.34 23.47 -29.45	209.84
26 05 36 00-1201 EA 18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	528.15 26.41 -33.56	231.02
26 05 36 00-1202 EA 24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	585.05 29.25 -37.13	256.44
26 05 36 00-1203 EA 30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	636.16 31.81 -40.96	271.94
26 05 36 00-1204 EA 36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	732.31 36.62 -47.58	307.85
<b>26 05 36 00-1205 24" Radius Horizontal Tees</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1206 EA 6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	523.10 26.16 -35.58	200.80
26 05 36 00-1207 EA 9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	566.12 28.31 -38.27	220.15
26 05 36 00-1208 EA 12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	589.74 29.49 -39.72	231.02
26 05 36 00-1209 EA 18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	650.27 32.51 -43.65	256.44
26 05 36 00-1210 EA 24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	724.05 36.20 -48.34	288.78
26 05 36 00-1211 EA 30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	779.41 38.97 -52.29	307.85
26 05 36 00-1212 EA 36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,000.33 50.02 -70.40	355.68
<b>26 05 36 00-1213 36" Radius Horizontal Tees</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1214 EA 6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	633.14 31.66 -44.97	220.15
26 05 36 00-1215 EA 9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	678.68 33.93 -47.61	243.06
26 05 36 00-1216 EA 12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	726.35 36.32 -51.26	256.44

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-1217	EA 18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	796.51 39.83 -55.59	288.78
26 05 36 00-1218	EA 24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	897.25 44.86 -62.25	329.70
26 05 36 00-1219	EA 30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,032.94 51.65 -73.66	355.68
26 05 36 00-1220	EA 36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,188.68 59.43 -83.89	419.70
<b>26 05 36 00-1221</b>	<b>12" Radius Vertical Tees</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1222	EA 6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	533.31 26.67 -39.07	171.06
26 05 36 00-1223	EA 9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	551.79 27.59 -40.36	177.79
26 05 36 00-1224	EA 12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	565.38 28.27 -41.13	184.91
26 05 36 00-1225	EA 18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	597.37 29.87 -43.00	200.80
26 05 36 00-1226	EA 24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	634.19 31.71 -45.93	209.84
26 05 36 00-1227	EA 30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	674.88 33.74 -48.24	231.02
26 05 36 00-1228	EA 36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	726.35 36.32 -51.26	256.44
<b>26 05 36 00-1229</b>	<b>24" Radius Vertical Tees</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1230	EA 6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	728.41 36.42 -57.43	184.91
26 05 36 00-1231	EA 9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	746.58 37.33 -58.61	192.53
26 05 36 00-1232	EA 12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	765.84 38.29 -59.85	200.80
26 05 36 00-1233	EA 18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	810.67 40.53 -62.72	220.15
26 05 36 00-1234	EA 24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	839.73 41.99 -64.72	231.02
26 05 36 00-1235	EA 30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	893.01 44.65 -67.93	256.44
26 05 36 00-1236	EA 36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	988.54 49.43 -74.79	288.78
<b>26 05 36 00-1237</b>	<b>36" Radius Vertical Tees</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1238	EA 6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,134.21 56.71 -96.69	200.80
26 05 36 00-1239	EA 9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,159.67 57.98 -98.48	209.84
26 05 36 00-1240	EA 12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,187.12 59.36 -100.37	220.15
26 05 36 00-1241	EA 18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,235.81 61.79 -103.32	243.06
26 05 36 00-1242	EA 24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,268.50 63.43 -105.48	256.44
26 05 36 00-1243	EA 30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,353.50 67.68 -111.28	288.78
26 05 36 00-1244	EA 36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,432.01 71.60 -115.73	329.70
<b>26 05 36 00-1245</b>	<b>12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1124)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1246	EA		6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	539.02	231.02
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.95	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.65	
26 05 36 00-1247	EA		9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	575.42	243.06
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.77	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.29	
26 05 36 00-1248	EA		12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	599.54	256.44
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.98	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.58	
26 05 36 00-1249	EA		18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	661.52	271.94
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.08	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.49	
26 05 36 00-1250	EA		24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	728.69	307.85
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.43	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.21	
26 05 36 00-1251	EA		30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	803.05	329.70
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.15	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.83	
26 05 36 00-1252	EA		36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	909.76	355.68
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.49	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.34	
<b>26 05 36 00-1253</b>			<b>24" Radius Horizontal Crosses</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1254	EA		6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	722.73	256.44
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.14	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.90	
26 05 36 00-1255	EA		9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	757.54	271.94
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.88	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.09	
26 05 36 00-1256	EA		12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	794.70	288.78
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.74	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.40	
26 05 36 00-1257	EA		18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	842.82	307.85
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.14	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.63	
26 05 36 00-1258	EA		24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	951.42	355.68
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	47.57	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.51	
26 05 36 00-1259	EA		30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,025.78	385.04
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	51.29	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.49	
26 05 36 00-1260	EA		36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,132.52	419.70
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	56.63	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.27	
<b>26 05 36 00-1261</b>			<b>36" Radius Horizontal Crosses</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1262	EA		6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	829.12	288.78
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.46	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.85	
26 05 36 00-1263	EA		9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	875.42	307.85
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.77	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.89	
26 05 36 00-1264	EA		12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	933.48	329.70
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.67	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.88	
26 05 36 00-1265	EA		18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,002.14	355.68
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	50.11	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.58	
26 05 36 00-1266	EA		24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,206.80	419.70
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	60.34	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.70	
26 05 36 00-1267	EA		30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,330.43	461.28
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	66.52	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.60	
26 05 36 00-1268	EA		36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,481.38	513.84
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	74.07	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.32	
<b>26 05 36 00-1269</b>			<b>12" Radius Vertical Crosses</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1270	EA		6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	539.02	231.02
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.95	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.65	
26 05 36 00-1271	EA		9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	575.42	243.06
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.77	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.29	
26 05 36 00-1272	EA		12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	599.54	256.44
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.98	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.58	
26 05 36 00-1273	EA		18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	661.52	271.94
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.08	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.49	
26 05 36 00-1274	EA		24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	728.69	307.85
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.43	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.21	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 36 00-1275	EA	30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	803.05	329.70
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		40.15	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-52.83	
26 05 36 00-1276	EA	36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	908.31	354.72
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		45.42	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-61.27	
<b>26 05 36 00-1277</b>		<b>24" Radius Vertical Crosses</b> <small>(26 05 36 00-1124)</small>			
26 05 36 00-1278	EA	6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	722.73	256.44
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		36.14	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-50.90	
26 05 36 00-1279	EA	9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	757.54	271.94
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		37.88	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-53.09	
26 05 36 00-1280	EA	12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	794.70	288.78
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		39.74	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-55.40	
26 05 36 00-1281	EA	18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	842.82	307.85
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		42.14	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-58.63	
26 05 36 00-1282	EA	24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	951.42	355.68
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		47.57	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-65.51	
26 05 36 00-1283	EA	30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	1,025.78	385.04
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		51.29	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-70.49	
26 05 36 00-1284	EA	36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	1,132.52	419.70
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		56.63	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-78.27	
<b>26 05 36 00-1285</b>		<b>36" Radius Vertical Crosses</b> <small>(26 05 36 00-1124)</small>			
26 05 36 00-1286	EA	6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	985.64	288.78
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		49.28	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-74.50	
26 05 36 00-1287	EA	9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	1,038.46	307.85
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		51.92	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-78.19	
26 05 36 00-1288	EA	12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	1,106.30	329.70
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		55.32	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-83.16	
26 05 36 00-1289	EA	18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	1,186.38	355.68
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		59.32	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-89.00	
26 05 36 00-1290	EA	24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	1,435.05	419.70
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		71.75	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-108.53	
26 05 36 00-1291	EA	30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	1,583.14	461.28
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		79.16	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-119.87	
26 05 36 00-1292	EA	36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	1,762.62	513.84
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		88.13	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-133.44	
<b>26 05 36 00-1293</b>		<b>12" Rung Tray Fittings</b> <small>(26 05 36 00-0744)</small>			
<b>26 05 36 00-1294</b>		<b>90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>			
26 05 36 00-1295	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	227.42	96.55
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		11.37	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-14.70	
26 05 36 00-1296	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	251.51	109.93
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		12.58	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-15.99	
26 05 36 00-1297	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	283.44	121.58
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		14.17	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-18.22	
26 05 36 00-1298	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	339.32	149.01
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		16.97	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-21.51	
26 05 36 00-1299	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	398.01	171.06
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		19.90	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-25.54	
26 05 36 00-1300	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	440.48	192.53
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		22.02	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-28.00	
26 05 36 00-1301	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	511.63	220.05
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		25.58	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-32.83	
<b>26 05 36 00-1302</b>		<b>90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>			
26 05 36 00-1303	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	285.29	100.40
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		14.26	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-20.16	
26 05 36 00-1304	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	315.35	115.42
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		15.77	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-21.92	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 36 00-1305	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	342.80 17.14 -23.58	128.32
26 05 36 00-1306	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	405.45 20.27 -27.26	159.40
26 05 36 00-1307	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	461.45 23.07 -30.74	184.91
26 05 36 00-1308	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	517.41 25.87 -34.25	209.84
26 05 36 00-1309	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	593.83 29.69 -39.13	243.06
26 05 36 00-1310		<b>90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1311	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	304.62 15.23 -21.72	104.92
26 05 36 00-1312	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	335.49 16.77 -23.43	121.48
26 05 36 00-1313	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	374.85 18.74 -26.16	135.92
26 05 36 00-1314	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	451.92 22.60 -30.94	171.06
26 05 36 00-1315	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	523.39 26.17 -35.60	200.80
26 05 36 00-1316	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	592.26 29.61 -39.97	231.02
26 05 36 00-1317	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	689.90 34.50 -46.37	271.46
26 05 36 00-1318		<b>45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1319	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 30 Degree Bend, Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	160.39 -47.41 8.02 -10.21 -26.11	69.98
26 05 36 00-1320	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 30 Degree Bend, Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	185.32 -52.99 9.27 -11.54 -28.99	83.94
26 05 36 00-1321	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 30 Degree Bend, Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	207.61 -58.03 10.38 -12.74 -31.61	96.26
26 05 36 00-1322	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 30 Degree Bend, Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	258.34 -71.13 12.92 -15.70 -38.62	121.68
26 05 36 00-1323	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 30 Degree Bend, Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	317.42 -87.66 15.87 -19.32 -47.63	149.01
26 05 36 00-1324	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 30 Degree Bend, Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	364.31 -100.58 18.22 -22.17 -54.64	171.06
26 05 36 00-1325	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 30 Degree Bend, Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	417.25 -112.34 20.86 -24.99 -60.71	200.80
26 05 36 00-1326		<b>45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1327	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 30 Degree Bend, Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	179.22 -56.48 8.96 -11.91 -31.48	72.19

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1328	EA		9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	210.76	87.02
			<i>For 30 Degree Bend, Deduct</i>	-65.15	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.54	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.82	
			<i>For 60 Degree Bend, Deduct</i>	-36.19	
26 05 36 00-1329	EA		12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	234.86	100.50
			<i>For 30 Degree Bend, Deduct</i>	-70.56	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.74	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.11	
			<i>For 60 Degree Bend, Deduct</i>	-38.99	
26 05 36 00-1330	EA		18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	286.36	128.32
			<i>For 30 Degree Bend, Deduct</i>	-82.63	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.32	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.94	
			<i>For 60 Degree Bend, Deduct</i>	-45.30	
26 05 36 00-1331	EA		24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	349.86	159.40
			<i>For 30 Degree Bend, Deduct</i>	-99.46	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.49	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.71	
			<i>For 60 Degree Bend, Deduct</i>	-54.36	
26 05 36 00-1332	EA		30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	409.22	184.91
			<i>For 30 Degree Bend, Deduct</i>	-117.22	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.46	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.52	
			<i>For 60 Degree Bend, Deduct</i>	-64.17	
26 05 36 00-1333	EA		36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	472.99	220.15
			<i>For 30 Degree Bend, Deduct</i>	-131.75	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.65	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.96	
			<i>For 60 Degree Bend, Deduct</i>	-71.71	
<b>26 05 36 00-1334</b>			<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1335	EA		6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	203.30	74.51
			<i>For 30 Degree Bend, Deduct</i>	-68.37	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.17	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.12	
			<i>For 60 Degree Bend, Deduct</i>	-38.54	
26 05 36 00-1336	EA		9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	231.66	90.48
			<i>For 30 Degree Bend, Deduct</i>	-74.64	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.58	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.63	
			<i>For 60 Degree Bend, Deduct</i>	-41.77	
26 05 36 00-1337	EA		12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	257.57	105.02
			<i>For 30 Degree Bend, Deduct</i>	-80.41	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.88	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.01	
			<i>For 60 Degree Bend, Deduct</i>	-44.74	
26 05 36 00-1338	EA		18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	317.57	135.92
			<i>For 30 Degree Bend, Deduct</i>	-95.35	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.88	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.43	
			<i>For 60 Degree Bend, Deduct</i>	-52.68	
26 05 36 00-1339	EA		24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	396.32	171.06
			<i>For 30 Degree Bend, Deduct</i>	-118.18	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.82	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.38	
			<i>For 60 Degree Bend, Deduct</i>	-65.21	
26 05 36 00-1340	EA		30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	452.63	200.80
			<i>For 30 Degree Bend, Deduct</i>	-131.80	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.63	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.53	
			<i>For 60 Degree Bend, Deduct</i>	-72.39	
26 05 36 00-1341	EA		36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	534.86	243.06
			<i>For 30 Degree Bend, Deduct</i>	-152.37	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.74	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.23	
			<i>For 60 Degree Bend, Deduct</i>	-83.32	
<b>26 05 36 00-1342</b>			<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1343	EA		6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	250.11	96.26
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.51	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.99	
26 05 36 00-1344	EA		9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	277.84	109.93
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.89	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.62	
26 05 36 00-1345	EA		12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	298.76	121.58
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.94	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.75	
26 05 36 00-1346	EA		18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	347.80	149.01
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.39	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.36	
26 05 36 00-1347	EA		24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	389.47	171.06
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.47	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.69	
26 05 36 00-1348	EA		30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	430.10	192.53
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.51	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.97	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1349	EA			36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	478.79 23.94 -29.56	219.76
<b>26 05 36 00-1350</b>				<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1351	EA			6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	264.37 13.22 -18.07	100.40
26 05 36 00-1352	EA			9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	293.61 14.68 -19.73	115.51
26 05 36 00-1353	EA			12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	317.45 15.87 -21.05	128.32
26 05 36 00-1354	EA			18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	374.85 18.74 -24.20	159.40
26 05 36 00-1355	EA			24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	423.90 21.20 -26.98	184.91
26 05 36 00-1356	EA			30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	472.06 23.60 -29.72	209.84
26 05 36 00-1357	EA			36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	535.57 26.78 -33.30	243.06
<b>26 05 36 00-1358</b>				<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1359	EA			6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	324.89 16.24 -23.74	104.92
26 05 36 00-1360	EA			9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	355.82 17.79 -25.45	121.58
26 05 36 00-1361	EA			12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	389.64 19.48 -27.63	135.92
26 05 36 00-1362	EA			18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	454.69 22.73 -31.21	171.06
26 05 36 00-1363	EA			24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	510.78 25.54 -34.34	200.80
26 05 36 00-1364	EA			30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	574.16 28.71 -38.16	231.02
26 05 36 00-1365	EA			36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	649.63 32.48 -42.35	271.46
<b>26 05 36 00-1366</b>				<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1367	EA			6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	407.59 20.38 -25.35	184.91
26 05 36 00-1368	EA			9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	440.67 22.03 -27.33	200.80
26 05 36 00-1369	EA			12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	457.38 22.87 -28.25	209.84
26 05 36 00-1370	EA			18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	513.84 25.69 -32.13	231.02
26 05 36 00-1371	EA			24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	569.29 28.46 -35.56	256.44
26 05 36 00-1372	EA			30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	617.87 30.89 -39.13	271.94
26 05 36 00-1373	EA			36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	710.39 35.52 -45.38	307.85
<b>26 05 36 00-1374</b>				<b>24" Radius Horizontal Tees</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1375	EA			6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	504.26 25.21 -33.69	200.80
26 05 36 00-1376	EA			9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	546.19 27.31 -36.28	220.15
26 05 36 00-1377	EA			12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	569.27 28.46 -37.68	231.02

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-1378	EA 18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	627.99 31.40 -41.43	256.44
26 05 36 00-1379	EA 24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	699.78 34.99 -45.91	288.78
26 05 36 00-1380	EA 30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	752.78 37.64 -49.62	307.85
26 05 36 00-1381	EA 36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	959.57 47.98 -66.32	355.68
<b>26 05 36 00-1382</b>	<b>36" Radius Horizontal Tees</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1383	EA 6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	606.51 30.33 -42.31	220.15
26 05 36 00-1384	EA 9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	651.33 32.57 -44.88	243.06
26 05 36 00-1385	EA 12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	696.46 34.82 -48.27	256.44
26 05 36 00-1386	EA 18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	764.99 38.25 -52.43	288.78
26 05 36 00-1387	EA 24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	862.47 43.12 -58.78	329.70
26 05 36 00-1388	EA 30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	988.92 49.45 -69.26	355.68
26 05 36 00-1389	EA 36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,139.77 56.99 -79.00	419.70
<b>26 05 36 00-1390</b>	<b>12" Radius Vertical Tees</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1391	EA 6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	508.49 25.42 -36.59	171.06
26 05 36 00-1392	EA 9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	526.25 26.31 -37.81	177.79
26 05 36 00-1393	EA 12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	539.65 26.98 -38.56	184.91
26 05 36 00-1394	EA 18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	571.10 28.56 -40.38	200.80
26 05 36 00-1395	EA 24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	605.75 30.29 -43.09	209.84
26 05 36 00-1396	EA 30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	645.90 32.30 -45.34	231.02
26 05 36 00-1397	EA 36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	696.46 34.82 -48.27	256.44
<b>26 05 36 00-1398</b>	<b>24" Radius Vertical Tees</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1399	EA 6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	686.39 34.32 -53.23	184.91
26 05 36 00-1400	EA 9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	704.01 35.20 -54.36	192.53
26 05 36 00-1401	EA 12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	722.73 36.14 -55.54	200.80
26 05 36 00-1402	EA 18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	766.29 38.31 -58.29	220.15
26 05 36 00-1403	EA 24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	794.26 39.71 -60.17	231.02
26 05 36 00-1404	EA 30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	846.45 42.32 -63.27	256.44
26 05 36 00-1405	EA 36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	937.81 46.89 -69.72	288.78
<b>26 05 36 00-1406</b>	<b>36" Radius Vertical Tees</b> <small>(26 05 36 00-1293)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1407	EA		6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	1,054.26 52.71 -88.69	200.80
26 05 36 00-1408	EA		9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	1,078.68 53.93 -90.38	209.84
26 05 36 00-1409	EA		12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	1,105.10 55.26 -92.17	220.15
26 05 36 00-1410	EA		18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	1,152.75 57.64 -95.02	243.06
26 05 36 00-1411	EA		24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	1,184.40 59.22 -97.07	256.44
26 05 36 00-1412	EA		30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	1,266.28 63.31 -102.56	288.78
26 05 36 00-1413	EA		36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	1,343.76 67.19 -106.90	329.70
<b>26 05 36 00-1414</b>			<b>12" Radius Horizontal Crosses (26 05 36 00-1293)</b>		
26 05 36 00-1415	EA		6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	523.62 26.18 -33.11	231.02
26 05 36 00-1416	EA		9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	558.39 27.92 -35.58	243.06
26 05 36 00-1417	EA		12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	582.33 29.12 -36.86	256.44
26 05 36 00-1418	EA		18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	640.69 32.03 -41.41	271.94
26 05 36 00-1419	EA		24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	707.13 35.36 -45.06	307.85
26 05 36 00-1420	EA		30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	777.69 38.88 -50.30	329.70
26 05 36 00-1421	EA		36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	878.05 43.90 -58.17	355.68
<b>26 05 36 00-1422</b>			<b>24" Radius Horizontal Crosses (26 05 36 00-1293)</b>		
26 05 36 00-1423	EA		6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	693.20 34.66 -47.95	256.44
26 05 36 00-1424	EA		9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	727.10 36.36 -50.05	271.94
26 05 36 00-1425	EA		12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	763.36 38.17 -52.27	288.78
26 05 36 00-1426	EA		18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	809.85 40.49 -55.33	307.85
26 05 36 00-1427	EA		24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	915.55 45.78 -61.92	355.68
26 05 36 00-1428	EA		30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	987.38 49.37 -66.65	385.04
26 05 36 00-1429	EA		36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	1,089.23 54.46 -73.94	419.70
<b>26 05 36 00-1430</b>			<b>36" Radius Horizontal Crosses (26 05 36 00-1293)</b>		
26 05 36 00-1431	EA		6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	794.34 39.72 -55.37	288.78
26 05 36 00-1432	EA		9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	839.19 41.96 -58.26	307.85
26 05 36 00-1433	EA		12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	895.08 44.75 -62.04	329.70
26 05 36 00-1434	EA		18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	961.20 48.06 -66.48	355.68
26 05 36 00-1435	EA		24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	1,156.07 57.80 -80.63	419.70

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 36 00-1436	EA	30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	1,274.27	461.28
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		63.71	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-88.98	
26 05 36 00-1437	EA	36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	1,418.89	513.84
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		70.94	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-99.07	
<b>26 05 36 00-1438</b>		<b>12" Radius Vertical Crosses</b> <small>(26 05 36 00-1293)</small>			
26 05 36 00-1439	EA	6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	523.62	231.02
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		26.18	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-33.11	
26 05 36 00-1440	EA	9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	558.53	243.16
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		27.93	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-35.59	
26 05 36 00-1441	EA	12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	582.25	256.44
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		29.11	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-36.86	
26 05 36 00-1442	EA	18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	640.87	272.04
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		32.04	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-41.42	
26 05 36 00-1443	EA	24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	707.13	307.85
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		35.36	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-45.06	
26 05 36 00-1444	EA	30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	777.94	329.79
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		38.90	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-50.31	
26 05 36 00-1445	EA	36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	.....	877.32	355.20
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		43.87	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-58.13	
<b>26 05 36 00-1446</b>		<b>24" Radius Vertical Crosses</b> <small>(26 05 36 00-1293)</small>			
26 05 36 00-1447	EA	6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	693.20	256.44
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		34.66	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-47.95	
26 05 36 00-1448	EA	9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	727.10	271.94
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		36.36	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-50.05	
26 05 36 00-1449	EA	12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	763.36	288.78
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		38.17	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-52.27	
26 05 36 00-1450	EA	18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	809.85	307.85
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		40.49	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-55.33	
26 05 36 00-1451	EA	24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	915.55	355.68
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		45.78	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-61.92	
26 05 36 00-1452	EA	30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	987.38	385.04
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		49.37	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-66.65	
26 05 36 00-1453	EA	36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	.....	1,089.23	419.70
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		54.46	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-73.94	
<b>26 05 36 00-1454</b>		<b>36" Radius Vertical Crosses</b> <small>(26 05 36 00-1293)</small>			
26 05 36 00-1455	EA	6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	935.20	288.78
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		46.76	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-69.45	
26 05 36 00-1456	EA	9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	985.93	307.85
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		49.30	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-72.94	
26 05 36 00-1457	EA	12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	1,050.62	329.70
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		52.53	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-77.59	
26 05 36 00-1458	EA	18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	1,127.01	355.68
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		56.35	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-83.06	
26 05 36 00-1459	EA	24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	1,361.50	419.70
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		68.08	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-101.17	
26 05 36 00-1460	EA	30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	1,501.71	461.28
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		75.09	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-111.73	
26 05 36 00-1461	EA	36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	.....	1,672.00	513.84
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		83.60	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-124.38	
<b>26 05 36 00-1462</b>		<b>Dropout Or End Plates And Reducers</b> <small>(26 05 36 00-0744)</small>			
<b>26 05 36 00-1463</b>		<b>Straight Reducers</b> <small>(26 05 36 00-1462)</small>			
26 05 36 00-1464	EA	9"-6" Reducer, Aluminum Cable Tray	.....	199.95	71.04
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		10.00	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-14.07	
26 05 36 00-1465	EA	12"-9" Reducer, Aluminum Cable Tray	.....	211.54	76.91
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>		10.58	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		-14.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1466	EA		18"-12" Reducer, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	233.14 11.66 -15.91	88.76
26 05 36 00-1467	EA		24"-18" Reducer, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	258.11 12.91 -17.25	102.71
26 05 36 00-1468	EA		30"-24" Reducer, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	281.29 14.06 -18.50	115.51
26 05 36 00-1469	EA		36"-30" Reducer, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	314.17 15.71 -20.42	131.98
<b>26 05 36 00-1470 Reducers</b> <small>(26 05 36 00-1462)</small>					
26 05 36 00-1471	EA		18"-6" Reducer, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	233.23 11.66 -15.92	88.85
26 05 36 00-1472	EA		24"-12" Reducer, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	258.36 12.92 -17.27	102.81
26 05 36 00-1473	EA		30"-12" Reducer, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	281.13 14.06 -18.49	115.42
26 05 36 00-1474	EA		30"-18" Reducer, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	282.80 14.14 -18.67	115.32
26 05 36 00-1475	EA		36"-12" Reducer, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	312.36 15.62 -20.24	131.98
26 05 36 00-1476	EA		36"-18" Reducer, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	319.95 16.00 -20.71	135.44
26 05 36 00-1477	EA		36"-24" Reducer, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	330.79 16.54 -21.43	139.77
<b>26 05 36 00-1478 Dropout Or End Plate</b> <small>(26 05 36 00-1462)</small>					
26 05 36 00-1479	EA		6" Dropout Or End Plate, Aluminum Cable Tray .....	58.91	28.88
26 05 36 00-1480	EA		9" Dropout Or End Plate, Aluminum Cable Tray .....	66.47	33.02
26 05 36 00-1481	EA		12" Dropout Or End Plate, Aluminum Cable Tray .....	71.70	35.52
26 05 36 00-1482	EA		18" Dropout Or End Plate, Aluminum Cable Tray .....	86.73	41.97
26 05 36 00-1483	EA		24" Dropout Or End Plate, Aluminum Cable Tray .....	96.66	46.21
26 05 36 00-1484	EA		30" Dropout Or End Plate, Aluminum Cable Tray .....	108.95	51.30
26 05 36 00-1485	EA		36" Dropout Or End Plate, Aluminum Cable Tray .....	122.26	57.76
<b>26 05 36 00-1486 Solid Bottom Cable Tray</b> <small>(26 05 36 00-0001)</small> Note: 3-5/8" Height.					
<b>26 05 36 00-1487 Solid Bottom Galvanized Steel Straight Tray Sections</b> <small>(26 05 36 00-1486)</small>					
26 05 36 00-1488	LF		6" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	25.84 2.62	7.51
26 05 36 00-1489	LF		12" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.22 3.30	9.25
26 05 36 00-1490	LF		18" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	42.82 4.21	13.29
26 05 36 00-1491	LF		24" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	49.57 4.90	15.21
26 05 36 00-1492	LF		30" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	59.39 5.84	18.38
26 05 36 00-1493	LF		36" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	76.24 7.93	21.08
<b>26 05 36 00-1494 Solid Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-1486)</small>					
<b>26 05 36 00-1495 90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>					
26 05 36 00-1496	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	260.86 23.07	96.36
26 05 36 00-1497	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	338.32 28.15	135.54
26 05 36 00-1498	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	413.52 33.52	171.06
26 05 36 00-1499	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	506.78 40.99	210.13
26 05 36 00-1500	EA		30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	592.39 48.28	243.54
26 05 36 00-1501	EA		36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	665.85 54.56	271.94
<b>26 05 36 00-1502 90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>					
26 05 36 00-1503	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	309.68 29.73	100.30
26 05 36 00-1504	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	407.40 37.02	144.49

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-1505	EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	500.73 44.30	184.91
26 05 36 00-1506	EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	609.73 52.96	231.02
26 05 36 00-1507	EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	715.17 62.04	271.46
26 05 36 00-1508	EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	808.03 69.89	307.85
<b>26 05 36 00-1509</b>	<b>90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1494)</b>		
26 05 36 00-1510	EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	383.28 40.03	104.83
26 05 36 00-1511	EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	491.83 48.06	154.31
26 05 36 00-1512	EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	622.05 59.79	201.09
26 05 36 00-1513	EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	738.41 68.02	256.44
26 05 36 00-1514	EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	886.27 81.63	307.85
26 05 36 00-1515	EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,010.58 92.46	354.72
<b>26 05 36 00-1516</b>	<b>45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1494)</b>		
26 05 36 00-1517	EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	235.88 19.32	96.36
26 05 36 00-1518	EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	310.23 23.94	135.54
26 05 36 00-1519	EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	381.09 28.68	170.87
26 05 36 00-1520	EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	467.14 35.09	209.84
26 05 36 00-1521	EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	545.75 41.28	243.54
26 05 36 00-1522	EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	611.85 46.54	271.46
<b>26 05 36 00-1523</b>	<b>45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1494)</b>		
26 05 36 00-1524	EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	274.19 24.39	100.40
26 05 36 00-1525	EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	365.53 30.76	144.39
26 05 36 00-1526	EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	452.97 37.09	185.11
26 05 36 00-1527	EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	553.56 44.53	231.02
26 05 36 00-1528	EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	650.31 52.23	271.94
26 05 36 00-1529	EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	734.30 58.83	307.85
<b>26 05 36 00-1530</b>	<b>45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1494)</b>		
26 05 36 00-1531	EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	331.38 32.22	104.92
26 05 36 00-1532	EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	409.23 38.07	139.87
26 05 36 00-1533	EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	550.33 49.03	201.09
26 05 36 00-1534	EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	661.43 56.39	256.93
26 05 36 00-1535	EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	792.98 67.64	307.85
26 05 36 00-1536	EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	907.21 76.81	355.68
<b>26 05 36 00-1537</b>	<b>90 Degree, 12" Radius Vertical Risers (26 05 36 00-1494)</b>		
26 05 36 00-1538	EA 6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	282.50 26.36	96.07
26 05 36 00-1539	EA 12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	354.36 30.56	135.54
26 05 36 00-1540	EA 18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	415.53 33.82	171.06
26 05 36 00-1541	EA 24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	502.77 40.39	210.13
26 05 36 00-1542	EA 30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	568.32 44.67	243.54
26 05 36 00-1543	EA 36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	620.88 47.90	271.46
<b>26 05 36 00-1544</b>	<b>90 Degree, 24" Radius Vertical Risers (26 05 36 00-1494)</b>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1545	EA		6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	339.77 34.24	100.30
26 05 36 00-1546	EA		12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	429.47 40.33	144.49
26 05 36 00-1547	EA		18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	512.77 46.10	184.91
26 05 36 00-1548	EA		24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	607.72 52.65	231.02
26 05 36 00-1549	EA		30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	687.08 57.83	271.46
26 05 36 00-1550	EA		36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	769.91 64.17	307.85
<b>26 05 36 00-1551</b>			<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1552	EA		6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	409.36 43.94	104.83
26 05 36 00-1553	EA		12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	496.45 51.10	140.16
26 05 36 00-1554	EA		18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	622.05 59.79	201.09
26 05 36 00-1555	EA		24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	742.42 68.62	256.44
26 05 36 00-1556	EA		30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	856.18 77.12	307.85
26 05 36 00-1557	EA		36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	964.44 85.54	354.72
<b>26 05 36 00-1558</b>			<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1559	EA		6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	448.57 36.47	184.91
26 05 36 00-1560	EA		12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	536.90 42.09	230.64
26 05 36 00-1561	EA		18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	633.76 49.74	271.94
26 05 36 00-1562	EA		24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	753.31 57.93	330.37
26 05 36 00-1563	EA		30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	823.45 64.24	355.68
26 05 36 00-1564	EA		36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	964.38 74.70	419.70
<b>26 05 36 00-1565</b>			<b>24" Radius Horizontal Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1566	EA		6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	553.37 49.54	200.80
26 05 36 00-1567	EA		12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	682.23 59.59	256.44
26 05 36 00-1568	EA		18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	795.99 68.09	307.85
26 05 36 00-1569	EA		24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,024.92 89.56	385.04
26 05 36 00-1570	EA		30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,116.85 97.57	419.70
26 05 36 00-1571	EA		36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,307.80 110.53	513.84
<b>26 05 36 00-1572</b>			<b>36" Radius Horizontal Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1573	EA		6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	709.91 69.80	220.15
26 05 36 00-1574	EA		12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	864.49 81.54	288.78
26 05 36 00-1575	EA		18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,010.02 92.23	355.68
26 05 36 00-1576	EA		24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,235.22 115.33	419.70
26 05 36 00-1577	EA		30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,353.12 125.84	462.82
26 05 36 00-1578	EA		36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,564.46 138.41	577.57
<b>26 05 36 00-1579</b>			<b>12" Radius Vertical Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1580	EA		6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	538.85 50.01	184.91
26 05 36 00-1581	EA		12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	625.78 55.36	231.02
26 05 36 00-1582	EA		18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	672.20 58.09	256.44
26 05 36 00-1583	EA		24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	721.19 62.94	271.46
26 05 36 00-1584	EA		30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	800.00 68.69	307.85
26 05 36 00-1585	EA		36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	889.65 74.17	355.68

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 36 00-1586		<b>24" Radius Vertical Tees</b> (26 05 36 00-1494)			
26 05 36 00-1587	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray.....	675.75		200.80
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	67.89		
26 05 36 00-1588	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray.....	784.55		256.44
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	74.94		
26 05 36 00-1589	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray.....	856.46		288.78
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	80.34		
26 05 36 00-1590	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray.....	906.33		307.85
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	84.64		
26 05 36 00-1591	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,024.07		355.68
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	94.34		
26 05 36 00-1592	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,150.96		419.70
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	102.69		
26 05 36 00-1593		<b>36" Radius Vertical Tees</b> (26 05 36 00-1494)			
26 05 36 00-1594	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray.....	897.93		219.76
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	98.06		
26 05 36 00-1595	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,022.98		288.78
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	105.32		
26 05 36 00-1596	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,131.23		329.70
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	114.74		
26 05 36 00-1597	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,194.59		355.68
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	119.91		
26 05 36 00-1598	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,401.73		419.70
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	140.30		
26 05 36 00-1599	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,511.14		461.28
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	149.79		
26 05 36 00-1600		<b>12" Radius Horizontal Crosses</b> (26 05 36 00-1494)			
26 05 36 00-1601	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray.....	553.56		231.02
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	44.53		
26 05 36 00-1602	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray.....	635.76		271.94
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	50.04		
26 05 36 00-1603	EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray.....	764.10		329.70
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	59.67		
26 05 36 00-1604	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray.....	882.48		385.04
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	68.20		
26 05 36 00-1605	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray.....	1,037.69		461.28
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	78.77		
26 05 36 00-1606	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray.....	1,151.32		513.84
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	87.06		
26 05 36 00-1607		<b>24" Radius Horizontal Crosses</b> (26 05 36 00-1494)			
26 05 36 00-1608	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray.....	735.15		256.93
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	67.45		
26 05 36 00-1609	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray.....	856.18		307.85
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	77.12		
26 05 36 00-1610	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,024.92		385.04
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	89.56		
26 05 36 00-1611	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,262.84		462.82
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	112.29		
26 05 36 00-1612	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,388.05		513.84
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	122.57		
26 05 36 00-1613	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,524.34		577.57
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	132.39		
26 05 36 00-1614		<b>36" Radius Horizontal Crosses</b> (26 05 36 00-1494)			
26 05 36 00-1615	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	982.85		288.78
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	99.30		
26 05 36 00-1616	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,144.44		355.68
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	112.39		
26 05 36 00-1617	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,373.18		462.82
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	128.84		
26 05 36 00-1618	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,568.60		513.84
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	149.65		
26 05 36 00-1619	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,734.99		577.57
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	163.99		
26 05 36 00-1620	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,921.40		659.30
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	178.32		
26 05 36 00-1621		<b>Straight Reducers</b> (26 05 36 00-1494)			
26 05 36 00-1622	EA	12"-6" Reducer, Solid Bottom, Steel Cable Tray.....	226.65		77.00
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	21.16		
26 05 36 00-1623	EA	18"-12" Reducer, Solid Bottom, Steel Cable Tray.....	245.37		87.02
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	22.30		
26 05 36 00-1624	EA	24"-18" Reducer, Solid Bottom, Steel Cable Tray.....	271.44		100.30
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	24.00		
26 05 36 00-1625	EA	30"-24" Reducer, Solid Bottom, Steel Cable Tray.....	304.88		115.51
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	26.48		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1626	EA		36"-30" Reducer, Solid Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	329.89 28.13	128.13
<b>26 05 36 00-1627</b>			<b>Reducers</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1628	EA		18"-6" Reducer, Solid Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	245.45 22.30	87.11
26 05 36 00-1629	EA		24"-12" Reducer, Solid Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	269.78 23.72	100.50
26 05 36 00-1630	EA		30"-12" Reducer, Solid Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	300.70 25.87	115.42
26 05 36 00-1631	EA		30"-18" Reducer, Solid Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	302.56 26.16	115.32
26 05 36 00-1632	EA		36"-12" Reducer, Solid Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	327.88 27.83	128.13
26 05 36 00-1633	EA		36"-18" Reducer, Solid Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	329.89 28.13	128.13
26 05 36 00-1634	EA		36"-24" Reducer, Solid Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	332.28 28.45	128.32
<b>26 05 36 00-1635</b>			<b>Dropout Or End Plate</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1636	EA		6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	68.59	28.88
26 05 36 00-1637	EA		12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	84.20	35.23
26 05 36 00-1638	EA		18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	96.97	41.78
26 05 36 00-1639	EA		24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	109.20	46.21
26 05 36 00-1640	EA		30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	121.60	51.30
26 05 36 00-1641	EA		36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	134.88	57.76
<b>26 05 36 00-1642</b>			<b>Solid Bottom Aluminum Straight Cable Tray Sections</b> <small>(26 05 36 00-1486)</small>		
26 05 36 00-1643	LF		6" Solid Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	22.99 2.44	6.07
26 05 36 00-1644	LF		12" Solid Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	28.72 3.13	7.12
26 05 36 00-1645	LF		18" Solid Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	36.67 3.95	9.25
26 05 36 00-1646	LF		24" Solid Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	43.70 4.86	10.21
26 05 36 00-1647	LF		30" Solid Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	53.52 5.83	13.19
26 05 36 00-1648	LF		36" Solid Bottom Steel Aluminum Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	63.75 7.15	14.44
<b>26 05 36 00-1649</b>			<b>Solid Bottom Aluminum Cable Tray Fittings</b> <small>(26 05 36 00-1486)</small>		
<b>26 05 36 00-1650</b>			<b>90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1651	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	263.56 23.48	96.36
26 05 36 00-1652	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	318.11 27.49	121.29
26 05 36 00-1653	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	368.02 32.56	135.83
26 05 36 00-1654	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	428.47 37.68	159.50
26 05 36 00-1655	EA		30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	506.50 45.12	185.11
26 05 36 00-1656	EA		36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	572.41 50.83	210.13
<b>26 05 36 00-1657</b>			<b>90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1658	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	313.70 30.33	100.30
26 05 36 00-1659	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	387.93 36.78	128.51
26 05 36 00-1660	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	438.62 41.73	144.39
26 05 36 00-1661	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	529.77 50.95	171.06
26 05 36 00-1662	EA		30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	614.29 58.72	200.51
26 05 36 00-1663	EA		36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	706.94 67.54	231.02
<b>26 05 36 00-1664</b>			<b>90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1665	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	391.92 41.32	104.83
26 05 36 00-1666	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	487.55 50.45	136.11
26 05 36 00-1667	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	566.13 59.21	154.31
26 05 36 00-1668	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	639.29 65.12	184.62

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

HUMBOLDT STATE UNIVERSITY

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 36 00-1669	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	741.86 74.59	220.15
26 05 36 00-1670	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	866.08 87.24	256.05
<b>26 05 36 00-1671</b>		<b>45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>			
26 05 36 00-1672	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	240.99 20.08	96.36
26 05 36 00-1673	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	292.62 23.67	121.29
26 05 36 00-1674	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	336.65 27.88	135.73
26 05 36 00-1675	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	392.12 32.29	159.21
26 05 36 00-1676	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	462.94 38.59	185.11
26 05 36 00-1677	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	522.52 43.45	209.56
<b>26 05 36 00-1678</b>		<b>45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>			
26 05 36 00-1679	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	281.60 25.50	100.40
26 05 36 00-1680	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	349.50 31.03	128.32
26 05 36 00-1681	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	395.54 35.22	144.68
26 05 36 00-1682	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	475.95 42.88	171.06
26 05 36 00-1683	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	553.61 49.52	201.09
26 05 36 00-1684	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	636.12 56.91	231.02
<b>26 05 36 00-1685</b>		<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>			
26 05 36 00-1686	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	344.38 34.17	104.92
26 05 36 00-1687	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	429.76 41.83	135.83
26 05 36 00-1688	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	498.15 49.01	154.31
26 05 36 00-1689	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	567.14 54.22	185.11
26 05 36 00-1690	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	659.36 62.22	220.15
26 05 36 00-1691	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	770.93 72.82	256.93
<b>26 05 36 00-1692</b>		<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1649)</small>			
26 05 36 00-1693	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	282.44 26.35	96.07
26 05 36 00-1694	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	329.38 29.18	121.29
26 05 36 00-1695	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	369.63 32.81	135.83
26 05 36 00-1696	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	417.20 35.99	159.50
26 05 36 00-1697	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	469.48 39.57	185.11
26 05 36 00-1698	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	515.06 42.33	209.56
<b>26 05 36 00-1699</b>		<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1649)</small>			
26 05 36 00-1700	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	341.06 34.44	100.30
26 05 36 00-1701	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	402.42 38.95	128.51
26 05 36 00-1702	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	443.44 42.45	144.39
26 05 36 00-1703	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	505.63 47.33	171.06
26 05 36 00-1704	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	567.61 51.72	200.51
26 05 36 00-1705	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	642.56 57.88	231.02
<b>26 05 36 00-1706</b>		<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1649)</small>			
26 05 36 00-1707	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	403.19 43.01	104.83
26 05 36 00-1708	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	.....	484.34 49.97	136.11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 36 00-1709	EA		18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	537.16 54.86	154.31
26 05 36 00-1710	EA		24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	599.06 59.09	184.62
26 05 36 00-1711	EA		30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	688.75 66.63	220.15
26 05 36 00-1712	EA		36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	761.46 71.55	256.05
<b>26 05 36 00-1713</b>			<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1714	EA		6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	467.48 39.31	184.91
26 05 36 00-1715	EA		12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	542.42 46.44	209.56
26 05 36 00-1716	EA		18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	602.32 51.84	231.02
26 05 36 00-1717	EA		24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	671.24 57.87	256.93
26 05 36 00-1718	EA		30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	793.17 67.66	307.85
26 05 36 00-1719	EA		36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	963.64 80.37	385.04
<b>26 05 36 00-1720</b>			<b>24" Radius Horizontal Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1721	EA		6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	597.04 56.09	200.80
26 05 36 00-1722	EA		12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	681.18 63.67	231.02
26 05 36 00-1723	EA		18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	762.22 71.59	256.44
26 05 36 00-1724	EA		24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	923.54 87.22	307.85
26 05 36 00-1725	EA		30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,108.49 102.10	385.04
26 05 36 00-1726	EA		36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,224.69 113.54	420.95
<b>26 05 36 00-1727</b>			<b>36" Radius Horizontal Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1728	EA		6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	793.36 82.32	220.15
26 05 36 00-1729	EA		12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	894.20 91.39	256.44
26 05 36 00-1730	EA		18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,020.48 104.94	288.78
26 05 36 00-1731	EA		24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,218.99 123.72	354.72
26 05 36 00-1732	EA		30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,463.40 142.38	462.82
26 05 36 00-1733	EA		36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,628.96 158.70	513.84
<b>26 05 36 00-1734</b>			<b>12" Radius Vertical Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1735	EA		6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	535.08 49.45	184.91
26 05 36 00-1736	EA		12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	581.54 52.25	209.84
26 05 36 00-1737	EA		18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	607.71 54.53	219.76
26 05 36 00-1738	EA		24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	641.95 57.85	230.64
26 05 36 00-1739	EA		30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	707.50 63.38	256.44
26 05 36 00-1740	EA		36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	809.26 70.08	307.85
<b>26 05 36 00-1741</b>			<b>24" Radius Vertical Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1742	EA		6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	669.47 66.95	200.80
26 05 36 00-1743	EA		12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	739.12 72.36	231.02
26 05 36 00-1744	EA		18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	783.37 76.99	243.06
26 05 36 00-1745	EA		24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	837.87 82.94	256.44
26 05 36 00-1746	EA		30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	931.96 91.66	288.78
26 05 36 00-1747	EA		36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,066.09 100.78	354.72
<b>26 05 36 00-1748</b>			<b>36" Radius Vertical Tees</b> <small>(26 05 36 00-1649)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1749	EA		6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	889.37 96.78	219.76
26 05 36 00-1750	EA		12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	969.42 103.19	253.36
26 05 36 00-1751	EA		18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,031.77 109.53	271.46
26 05 36 00-1752	EA		24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,076.82 113.39	288.78
26 05 36 00-1753	EA		30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,193.23 124.04	329.70
26 05 36 00-1754	EA		36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	770.39 45.60	419.70
<b>26 05 36 00-1755</b>			<b>12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1756	EA		6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	552.57 47.91	209.84
26 05 36 00-1757	EA		12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	613.59 53.53	231.02
26 05 36 00-1758	EA		18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	713.09 61.73	271.46
26 05 36 00-1759	EA		24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	845.58 71.89	329.70
26 05 36 00-1760	EA		30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	926.06 79.78	354.72
26 05 36 00-1761	EA		36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,071.79 90.61	420.95
<b>26 05 36 00-1762</b>			<b>24" Radius Horizontal Crosses</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1763	EA		6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	739.74 72.40	231.41
26 05 36 00-1764	EA		12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	837.87 82.94	256.44
26 05 36 00-1765	EA		18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	958.94 92.53	307.85
26 05 36 00-1766	EA		24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,182.63 113.05	386.10
26 05 36 00-1767	EA		30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,297.12 124.41	420.95
26 05 36 00-1768	EA		36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,476.06 135.77	513.84
<b>26 05 36 00-1769</b>			<b>36" Radius Horizontal Crosses</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1770	EA		6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,031.00 111.91	256.44
26 05 36 00-1771	EA		12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,133.15 121.84	288.78
26 05 36 00-1772	EA		18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,317.00 138.28	355.68
26 05 36 00-1773	EA		24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,559.97 156.86	462.82
26 05 36 00-1774	EA		30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,709.43 170.77	513.84
26 05 36 00-1775	EA		36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,960.48 197.81	577.57
<b>26 05 36 00-1776</b>			<b>Straight Reducers</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1777	EA		12"-6" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	209.88 20.47	66.03
26 05 36 00-1778	EA		18"-12" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	231.16 21.86	76.91
26 05 36 00-1779	EA		24"-18" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	254.50 23.67	87.02
26 05 36 00-1780	EA		30"-24" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	286.46 26.23	100.40
26 05 36 00-1781	EA		36"-30" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	317.76 28.44	115.32
<b>26 05 36 00-1782</b>			<b>Reducers</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1783	EA		18"-6" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	229.61 21.62	76.91
26 05 36 00-1784	EA		24"-12" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	253.15 23.44	87.21
26 05 36 00-1785	EA		30"-12" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	283.12 25.74	100.30
26 05 36 00-1786	EA		30"-18" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	284.61 25.98	100.30
26 05 36 00-1787	EA		36"-12" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	317.76 28.44	115.32
26 05 36 00-1788	EA		36"-18" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	319.37 28.68	115.32
26 05 36 00-1789	EA		36"-24" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	322.90 29.18	115.51

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

<b>26 05 36 00-1790</b>	<b>Dropout Or End Plate</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1791	EA 6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	68.49	28.88
26 05 36 00-1792	EA 12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	81.74	35.23
26 05 36 00-1793	EA 18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	97.21	41.78
26 05 36 00-1794	EA 24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	107.34	46.21
26 05 36 00-1795	EA 30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	120.90	51.30
26 05 36 00-1796	EA 36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	137.30	57.76

<b>26 05 36 00-1797</b>	<b>Vented Bottom Cable Tray</b> <small>(26 05 36 00-0001)</small>		
	Note: 6" Height.		

<b>26 05 36 00-1798</b>	<b>Vented Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-1797)</small>		
26 05 36 00-1799	LF 6" Vented Bottom Steel Cable Tray, Straight Section.....	29.92	10.11
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.15	
26 05 36 00-1800	LF 12" Vented Bottom Steel Cable Tray, Straight Section.....	35.12	11.55
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.55	
26 05 36 00-1801	LF 18" Vented Bottom Steel Cable Tray, Straight Section.....	41.29	13.29
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.02	
26 05 36 00-1802	LF 24" Vented Bottom Steel Cable Tray, Straight Section.....	47.38	15.21
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.47	
26 05 36 00-1803	LF 30" Vented Bottom Steel Cable Tray, Straight Section.....	62.21	18.38
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-4.69	
26 05 36 00-1804	LF 36" Vented Bottom Steel Cable Tray, Straight Section.....	73.85	23.10
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-5.46	

<b>26 05 36 00-1805</b>	<b>Vented Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-1797)</small>		
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<b>26 05 36 00-1806</b>	<b>90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1807	EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	283.03	121.68
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-18.17	
26 05 36 00-1808	EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	369.69	164.61
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.25	
26 05 36 00-1809	EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	459.33	209.84
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.44	
26 05 36 00-1810	EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	563.27	256.93
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.92	
26 05 36 00-1811	EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	635.34	289.37
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-39.42	
26 05 36 00-1812	EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	727.77	330.37
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.24	

<b>26 05 36 00-1813</b>	<b>90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
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26 05 36 00-1814	EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	332.27	128.22
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-22.54	
26 05 36 00-1815	EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	432.93	177.79
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.47	
26 05 36 00-1816	EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	550.11	231.02
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.76	
26 05 36 00-1817	EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	667.39	288.78
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.67	
26 05 36 00-1818	EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	711.81	298.31
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.32	
26 05 36 00-1819	EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	890.85	385.04
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-57.00	

<b>26 05 36 00-1820</b>	<b>90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
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26 05 36 00-1821	EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	403.05	135.54
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.01	
26 05 36 00-1822	EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	523.88	192.81
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.32	
26 05 36 00-1823	EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	671.32	256.93
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.72	
26 05 36 00-1824	EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	806.06	329.70
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.13	
26 05 36 00-1825	EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	929.87	385.04
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-60.90	
26 05 36 00-1826	EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,090.00	461.28
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-70.56	

<b>26 05 36 00-1827</b>	<b>45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
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26 05 36 00-1828	EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	265.53	121.77
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.41	
26 05 36 00-1829	EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	348.73	164.61
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.15	
26 05 36 00-1830	EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	434.73	209.56
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.01	
26 05 36 00-1831	EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	532.80	256.44
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.91	
26 05 36 00-1832	EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	601.66	289.37
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.05	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION		
CSI	UOM	DESCRIPTION	UNIT	COST	UNIT	COST
26 05 36 00-1833	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....		687.56		329.70
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-41.28		
<b>26 05 36 00-1834</b>		<b>45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>				
26 05 36 00-1835	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....		306.39		128.32
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-19.94		
26 05 36 00-1836	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....		402.89		177.79
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-25.47		
26 05 36 00-1837	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....		514.42		231.41
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-32.16		
26 05 36 00-1838	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....		626.46		288.78
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-38.58		
26 05 36 00-1839	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....		718.08		330.37
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-44.27		
26 05 36 00-1840	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....		836.05		385.04
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-51.52		
<b>26 05 36 00-1841</b>		<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>				
26 05 36 00-1842	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....		364.51		135.83
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-25.13		
26 05 36 00-1843	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....		478.46		192.24
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-31.82		
26 05 36 00-1844	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....		617.84		256.93
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-40.37		
26 05 36 00-1845	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....		750.85		330.37
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-47.55		
26 05 36 00-1846	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....		866.48		385.04
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-54.56		
26 05 36 00-1847	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....		1,021.82		462.82
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-63.62		
<b>26 05 36 00-1848</b>		<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1805)</small>				
26 05 36 00-1849	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....		305.78		121.29
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-20.47		
26 05 36 00-1850	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....		389.95		164.61
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-25.28		
26 05 36 00-1851	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....		466.83		209.84
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-29.19		
26 05 36 00-1852	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....		561.77		256.93
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-34.77		
26 05 36 00-1853	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....		618.83		289.37
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-37.77		
26 05 36 00-1854	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....		693.50		329.70
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-41.88		
<b>26 05 36 00-1855</b>		<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1805)</small>				
26 05 36 00-1856	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....		362.29		128.22
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-25.54		
26 05 36 00-1857	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....		453.94		177.79
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-30.58		
26 05 36 00-1858	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....		559.12		231.02
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-36.66		
26 05 36 00-1859	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....		661.39		288.78
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-42.07		
26 05 36 00-1860	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....		752.03		329.70
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-47.73		
26 05 36 00-1861	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....		853.34		385.04
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-53.25		
<b>26 05 36 00-1862</b>		<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1805)</small>				
26 05 36 00-1863	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....		427.06		135.54
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-31.41		
26 05 36 00-1864	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....		534.39		192.81
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-37.37		
26 05 36 00-1865	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....		665.32		256.93
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-45.12		
26 05 36 00-1866	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....		803.05		329.70
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-52.83		
26 05 36 00-1867	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....		901.36		385.04
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-58.05		
26 05 36 00-1868	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....		1,056.99		461.28
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-67.26		
<b>26 05 36 00-1869</b>		<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-1805)</small>				
26 05 36 00-1870	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....		506.59		231.02
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-31.41		
26 05 36 00-1871	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....		615.41		288.20
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-37.52		
26 05 36 00-1872	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....		703.76		330.37
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-42.84		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1873	EA		24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	818.82 -49.80	385.04
26 05 36 00-1874	EA		30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	902.16 -55.24	419.70
26 05 36 00-1875	EA		36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	990.96 -60.65	461.28
<b>26 05 36 00-1876</b>			<b>24" Radius Horizontal Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1877	EA		6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	628.54 -41.48	256.44
26 05 36 00-1878	EA		12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	768.54 -49.38	329.70
26 05 36 00-1879	EA		18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	886.35 -56.55	385.04
26 05 36 00-1880	EA		24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,087.00 -70.26	461.28
26 05 36 00-1881	EA		30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,201.57 -77.34	513.84
26 05 36 00-1882	EA		36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,343.78 -86.25	577.57
<b>26 05 36 00-1883</b>			<b>36" Radius Horizontal Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1884	EA		6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	769.44 -52.88	288.78
26 05 36 00-1885	EA		12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	970.39 -64.95	385.04
26 05 36 00-1886	EA		18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,129.99 -74.43	462.82
26 05 36 00-1887	EA		24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,394.80 -91.35	577.57
26 05 36 00-1888	EA		30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,561.62 -100.97	662.37
26 05 36 00-1889	EA		36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,820.30 -118.03	768.07
<b>26 05 36 00-1890</b>			<b>12" Radius Vertical Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1891	EA		6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	587.63 -39.51	231.02
26 05 36 00-1892	EA		12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	686.90 -44.62	288.78
26 05 36 00-1893	EA		18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	723.21 -46.67	307.85
26 05 36 00-1894	EA		24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	771.54 -49.68	329.70
26 05 36 00-1895	EA		30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	828.35 -53.20	355.68
26 05 36 00-1896	EA		36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	939.68 -58.99	419.70
<b>26 05 36 00-1897</b>			<b>24" Radius Vertical Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1898	EA		6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	699.07 -48.53	256.44
26 05 36 00-1899	EA		12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	834.57 -55.99	329.70
26 05 36 00-1900	EA		18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	891.37 -59.50	355.68
26 05 36 00-1901	EA		24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	962.88 -64.20	385.04
26 05 36 00-1902	EA		30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,037.22 -68.74	419.70
26 05 36 00-1903	EA		36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,222.57 -79.44	513.84
<b>26 05 36 00-1904</b>			<b>36" Radius Vertical Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1905	EA		6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	912.54 -67.24	288.20
26 05 36 00-1906	EA		12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,084.44 -76.36	385.04
26 05 36 00-1907	EA		18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,157.28 -80.75	419.70
26 05 36 00-1908	EA		24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,259.05 -87.34	462.82
26 05 36 00-1909	EA		30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,419.16 -99.10	513.84
26 05 36 00-1910	EA		36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,669.13 -111.97	659.30
<b>26 05 36 00-1911</b>			<b>12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1912	EA		6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	637.38 -39.67	288.78

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1913	EA		12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	708.26 -43.29	330.37
26 05 36 00-1914	EA		18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	817.32 -49.65	385.04
26 05 36 00-1915	EA		24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	953.44 -56.90	461.28
26 05 36 00-1916	EA		30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,060.47 -63.38	512.02
26 05 36 00-1917	EA		36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,195.21 -71.39	577.57
<b>26 05 36 00-1918</b>			<b>24" Radius Horizontal Crosses</b> (26 05 36 00-1805)		
26 05 36 00-1919	EA		6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	795.30 -52.00	330.37
26 05 36 00-1920	EA		12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	898.36 -57.75	385.04
26 05 36 00-1921	EA		18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,050.99 -66.66	461.28
26 05 36 00-1922	EA		24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,321.27 -84.00	577.57
26 05 36 00-1923	EA		30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,495.05 -94.56	659.30
26 05 36 00-1924	EA		36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,700.25 -106.02	768.07
<b>26 05 36 00-1925</b>			<b>36" Radius Horizontal Crosses</b> (26 05 36 00-1805)		
26 05 36 00-1926	EA		6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,054.43 -73.36	385.04
26 05 36 00-1927	EA		12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,205.03 -81.94	462.82
26 05 36 00-1928	EA		18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,405.31 -92.40	577.57
26 05 36 00-1929	EA		24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,819.65 -117.62	772.11
26 05 36 00-1930	EA		30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,127.90 -135.66	925.55
26 05 36 00-1931	EA		36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,555.50 -159.29	1,155.14
<b>26 05 36 00-1932</b>			<b>Straight Reducers</b> (26 05 36 00-1805)		
26 05 36 00-1933	EA		12"-6" Reducer, Vented Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	239.72 -15.78	98.37
26 05 36 00-1934	EA		18"-12" Reducer, Vented Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	261.94 -17.04	109.93
26 05 36 00-1935	EA		24"-18" Reducer, Vented Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	297.57 -19.08	128.13
26 05 36 00-1936	EA		30"-24" Reducer, Vented Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	327.69 -20.74	144.39
26 05 36 00-1937	EA		36"-30" Reducer, Vented Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	358.08 -22.56	159.02
<b>26 05 36 00-1938</b>			<b>Reducers</b> (26 05 36 00-1805)		
26 05 36 00-1939	EA		18"-6" Reducer, Vented Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	261.94 -17.04	109.93
26 05 36 00-1940	EA		24"-12" Reducer, Vented Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	296.46 -18.95	128.32
26 05 36 00-1941	EA		30"-12" Reducer, Vented Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	325.95 -20.57	144.20
26 05 36 00-1942	EA		30"-18" Reducer, Vented Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	327.21 -20.71	144.10
26 05 36 00-1943	EA		36"-12" Reducer, Vented Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	356.58 -22.41	159.02
26 05 36 00-1944	EA		36"-18" Reducer, Vented Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	358.08 -22.56	159.02
26 05 36 00-1945	EA		36"-24" Reducer, Vented Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	360.16 -22.74	159.40
<b>26 05 36 00-1946</b>			<b>Dropout Or End Plate</b> (26 05 36 00-1805)		
26 05 36 00-1947	EA		6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	77.28	35.52
26 05 36 00-1948	EA		12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	91.55	41.68
26 05 36 00-1949	EA		18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	100.93	46.01
26 05 36 00-1950	EA		24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	113.42	51.30
26 05 36 00-1951	EA		30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	126.01	57.66
26 05 36 00-1952	EA		36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	147.93	68.92
<b>26 05 36 00-1953</b>			<b>Vented Bottom Aluminum Cable Tray</b> (26 05 36 00-1797)		
26 05 36 00-1954	LF		6" Vented Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	29.00 -2.27	7.51
26 05 36 00-1955	LF		9" Vented Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	32.16 -2.53	8.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1956 LF 12" Vented Bottom Aluminum Cable Tray, Straight Section ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	35.98 -2.83	9.25
26 05 36 00-1957 LF 18" Vented Bottom Aluminum Cable Tray, Straight Section ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	41.90 -3.33	10.30
26 05 36 00-1958 LF 24" Vented Bottom Aluminum Cable Tray, Straight Section ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	48.07 -3.86	11.45
26 05 36 00-1959 LF 30" Vented Bottom Aluminum Cable Tray, Straight Section ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	61.01 -5.00	13.19
26 05 36 00-1960 LF 36" Vented Bottom Aluminum Cable Tray, Straight Section ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	67.92 -5.50	15.49
<b>26 05 36 00-1961 Vented Bottom Aluminum Cable Tray Fittings</b> <small>(26 05 36 00-1797)</small>		
<b>26 05 36 00-1962 90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-1963 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	347.63 -24.63	121.68
26 05 36 00-1964 EA 9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	377.66 -26.76	132.07
26 05 36 00-1965 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	415.83 -29.19	148.72
26 05 36 00-1966 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	470.00 -33.26	164.80
26 05 36 00-1967 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	561.96 -39.44	201.09
26 05 36 00-1968 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	664.95 -47.21	231.41
26 05 36 00-1969 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	732.70 -51.86	256.93
<b>26 05 36 00-1970 90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-1971 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	423.71 -31.69	128.22
26 05 36 00-1972 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	511.31 -37.85	159.40
26 05 36 00-1973 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	579.86 -43.17	177.79
26 05 36 00-1974 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	689.68 -50.65	219.76
26 05 36 00-1975 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	796.28 -58.29	256.05
26 05 36 00-1976 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	880.30 -63.96	288.78
<b>26 05 36 00-1977 90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-1978 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	522.06 -40.91	135.54
26 05 36 00-1979 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	623.56 -48.08	171.25
26 05 36 00-1980 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	705.58 -54.49	192.81
26 05 36 00-1981 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	825.12 -62.26	243.06
26 05 36 00-1982 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	886.06 -68.98	235.56
26 05 36 00-1983 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,084.92 -81.02	329.70
<b>26 05 36 00-1984 45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-1985 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	315.93 -21.45	121.77
26 05 36 00-1986 EA 9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	343.22 -23.30	132.26
26 05 36 00-1987 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	378.88 -25.50	148.72
26 05 36 00-1988 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	426.73 -28.95	164.61
26 05 36 00-1989 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	511.60 -34.43	200.80
26 05 36 00-1990 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	603.51 -41.07	231.41
26 05 36 00-1991 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	664.95 -45.12	256.44
<b>26 05 36 00-1992 45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-1993 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	377.71 -27.08	128.32
26 05 36 00-1994 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	457.26 -32.45	159.40
26 05 36 00-1995 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	517.86 -36.95	178.09
26 05 36 00-1996 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	619.09 -43.57	220.15

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 36 00-1997	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	.....	716.49	256.93
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-50.24	
26 05 36 00-1998	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	.....	792.52	288.78
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-55.19	
<b>26 05 36 00-1999</b>		<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>			
26 05 36 00-2000	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	.....	457.34	135.83
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-34.41	
26 05 36 00-2001	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	.....	548.50	170.87
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-40.61	
26 05 36 00-2002	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	.....	621.03	192.81
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-46.04	
26 05 36 00-2003	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	.....	733.41	243.54
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-53.05	
26 05 36 00-2004	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	.....	838.12	271.94
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-61.15	
26 05 36 00-2005	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	.....	968.37	330.37
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-69.30	
<b>26 05 36 00-2006</b>		<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1961)</small>			
26 05 36 00-2007	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	.....	378.62	121.29
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-27.75	
26 05 36 00-2008	EA	9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	.....	406.46	131.78
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-29.67	
26 05 36 00-2009	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	.....	436.83	148.72
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-31.29	
26 05 36 00-2010	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	.....	470.00	164.80
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-33.26	
26 05 36 00-2011	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	.....	551.46	201.09
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-38.39	
26 05 36 00-2012	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	.....	612.45	231.41
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-41.96	
26 05 36 00-2013	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	.....	656.34	256.44
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-44.26	
<b>26 05 36 00-2014</b>		<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1961)</small>			
26 05 36 00-2015	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	.....	451.01	128.22
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-34.42	
26 05 36 00-2016	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	.....	523.91	159.40
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-39.11	
26 05 36 00-2017	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	.....	577.76	177.79
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-42.96	
26 05 36 00-2018	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	.....	652.44	220.15
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-46.90	
26 05 36 00-2019	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	.....	727.74	256.44
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-51.40	
26 05 36 00-2020	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	.....	796.30	288.78
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-55.56	
<b>26 05 36 00-2021</b>		<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1961)</small>			
26 05 36 00-2022	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	.....	519.96	135.54
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-40.70	
26 05 36 00-2023	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	.....	600.46	171.25
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-45.77	
26 05 36 00-2024	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	.....	674.08	192.81
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-51.34	
26 05 36 00-2025	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	.....	787.33	243.06
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-58.48	
26 05 36 00-2026	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	.....	873.18	271.94
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-64.66	
26 05 36 00-2027	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	.....	982.02	329.70
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-70.73	
<b>26 05 36 00-2028</b>		<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-1961)</small>			
26 05 36 00-2029	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	.....	605.53	231.02
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-41.30	
26 05 36 00-2030	EA	9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	.....	631.93	243.06
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-42.94	
26 05 36 00-2031	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	.....	672.38	256.05
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-45.90	
26 05 36 00-2032	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	.....	767.86	289.37
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-52.67	
26 05 36 00-2033	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	.....	877.03	329.70
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-60.23	
26 05 36 00-2034	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	.....	992.43	385.04
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-67.16	
26 05 36 00-2035	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	.....	1,098.56	419.70
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		-74.88	
<b>26 05 36 00-2036</b>		<b>24" Radius Horizontal Tees</b> <small>(26 05 36 00-1961)</small>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2037	EA		6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	763.44 -54.97	256.44
26 05 36 00-2038	EA		12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	862.54 -62.24	288.20
26 05 36 00-2039	EA		18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	969.42 -69.47	329.70
26 05 36 00-2040	EA		24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,165.01 -84.50	383.99
26 05 36 00-2041	EA		30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,338.31 -95.26	462.82
26 05 36 00-2042	EA		36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,517.89 -108.97	513.84
<b>26 05 36 00-2043     36" Radius Horizontal Tees</b> <small>(26 05 36 00-1961)</small>					
26 05 36 00-2044	EA		6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,020.99 -78.03	288.78
26 05 36 00-2045	EA		12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,168.92 -89.42	329.70
26 05 36 00-2046	EA		18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,239.44 -97.15	321.61
26 05 36 00-2047	EA		24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,587.83 -120.34	461.28
26 05 36 00-2048	EA		30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,837.95 -135.47	579.87
26 05 36 00-2049	EA		36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,106.83 -155.74	659.30
<b>26 05 36 00-2050     12" Radius Vertical Tees</b> <small>(26 05 36 00-1961)</small>					
26 05 36 00-2051	EA		6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	687.43 -49.49	231.02
26 05 36 00-2052	EA		9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	709.63 -50.71	243.06
26 05 36 00-2053	EA		12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	755.04 -54.13	256.44
26 05 36 00-2054	EA		18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	782.89 -55.63	271.94
26 05 36 00-2055	EA		24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	818.44 -57.83	288.20
26 05 36 00-2056	EA		30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	865.91 -60.94	307.85
26 05 36 00-2057	EA		36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	958.78 -66.31	354.72
<b>26 05 36 00-2058     24" Radius Vertical Tees</b> <small>(26 05 36 00-1961)</small>					
26 05 36 00-2059	EA		6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	855.83 -64.21	256.44
26 05 36 00-2060	EA		12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	942.33 -70.22	288.20
26 05 36 00-2061	EA		18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,006.60 -75.00	307.85
26 05 36 00-2062	EA		24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,074.42 -79.97	329.70
26 05 36 00-2063	EA		30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,158.27 -86.26	354.72
26 05 36 00-2064	EA		36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,279.09 -92.83	420.95
<b>26 05 36 00-2065     36" Radius Vertical Tees</b> <small>(26 05 36 00-1961)</small>					
26 05 36 00-2066	EA		6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,141.83 -90.17	288.20
26 05 36 00-2067	EA		12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,252.91 -97.82	329.70
26 05 36 00-2068	EA		18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,315.76 -102.01	354.72
26 05 36 00-2069	EA		24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,420.43 -109.87	386.10
26 05 36 00-2070	EA		30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,541.58 -119.08	420.95
26 05 36 00-2071	EA		36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,735.35 -130.87	512.02
<b>26 05 36 00-2072     12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1961)</small>					
26 05 36 00-2073	EA		6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	702.54 -48.88	256.44
26 05 36 00-2074	EA		9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	747.19 -52.06	271.94
26 05 36 00-2075	EA		12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	784.66 -54.35	289.37
26 05 36 00-2076	EA		18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	866.53 -59.18	329.70
26 05 36 00-2077	EA		24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	992.82 -67.28	383.99

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 36 00-2078	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	1,125.92 -77.72	418.54
26 05 36 00-2079	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	1,372.99 -94.48	513.84
<b>26 05 36 00-2080</b>		<b>24" Radius Horizontal Crosses</b> <small>(26 05 36 00-1961)</small>			
26 05 36 00-2081	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	975.75 -73.46	289.37
26 05 36 00-2082	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	1,089.12 -81.44	329.70
26 05 36 00-2083	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	1,221.71 -90.17	383.99
26 05 36 00-2084	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	1,440.84 -105.64	461.28
26 05 36 00-2085	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	1,577.85 -115.12	512.02
26 05 36 00-2086	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	1,917.84 -136.84	659.30
<b>26 05 36 00-2087</b>		<b>36" Radius Horizontal Crosses</b> <small>(26 05 36 00-1961)</small>			
26 05 36 00-2088	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	1,357.91 -108.32	329.70
26 05 36 00-2089	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	1,504.43 -118.27	386.10
26 05 36 00-2090	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	1,703.33 -131.89	461.28
26 05 36 00-2091	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	2,047.94 -156.47	579.87
26 05 36 00-2092	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	2,279.87 -172.79	662.37
26 05 36 00-2093	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	2,645.01 -200.50	768.07
<b>26 05 36 00-2094</b>		<b>Straight Reducers</b> <small>(26 05 36 00-1961)</small>			
26 05 36 00-2095	EA	9"-6" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	262.82 -19.86	77.00
26 05 36 00-2096	EA	12"-9" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	275.90 -20.83	81.15
26 05 36 00-2097	EA	18"-12" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	311.52 -23.14	96.17
26 05 36 00-2098	EA	24"-18" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	344.70 -25.32	109.84
26 05 36 00-2099	EA	30"-24" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	379.81 -27.29	128.32
26 05 36 00-2100	EA	36"-30" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	412.36 -29.23	144.10
<b>26 05 36 00-2101</b>		<b>Reducers</b> <small>(26 05 36 00-1961)</small>			
26 05 36 00-2102	EA	12"-6" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	275.68 -20.82	80.96
26 05 36 00-2103	EA	18"-6" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	311.42 -23.13	96.17
26 05 36 00-2104	EA	18"-9" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	311.42 -23.13	96.17
26 05 36 00-2105	EA	24"-6" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	344.84 -25.33	109.93
26 05 36 00-2106	EA	24"-9" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	344.84 -25.33	109.93
26 05 36 00-2107	EA	24"-12" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	345.11 -25.34	110.03
26 05 36 00-2108	EA	30"-12" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	383.81 -27.70	128.22
26 05 36 00-2109	EA	30"-18" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	379.42 -27.27	128.13
26 05 36 00-2110	EA	36"-12" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	412.36 -29.23	144.10
26 05 36 00-2111	EA	36"-18" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	412.36 -29.23	144.10
26 05 36 00-2112	EA	36"-24" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	.....	412.84 -29.25	144.39
<b>26 05 36 00-2113</b>		<b>Dropout Or End Plate</b> <small>(26 05 36 00-1961)</small>			
26 05 36 00-2114	EA	6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	.....	86.71	35.52
26 05 36 00-2115	EA	9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	.....	94.62	38.80
26 05 36 00-2116	EA	12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	.....	101.96	41.68
26 05 36 00-2117	EA	18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	.....	115.85	46.01
26 05 36 00-2118	EA	24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	.....	132.83	51.30
26 05 36 00-2119	EA	30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	.....	146.55	57.66
26 05 36 00-2120	EA	36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	.....	167.79	66.03
<b>26 05 36 00-2121</b>		<b>Covers And Dividers</b> <small>(26 05 36 00-0001)</small>			

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 05 36 00-2122</b>	<b>Galvanized Steel Covers</b> <small>(26 05 36 00-2121)</small>		
<b>26 05 36 00-2123</b>	<b>Ventilated Straight Sections</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2124	LF 6" Steel Cable Tray Cover, Straight Section .....	7.67	1.73
26 05 36 00-2125	LF 9" Steel Cable Tray Cover, Straight Section .....	9.22	2.03
26 05 36 00-2126	LF 12" Steel Cable Tray Cover, Straight Section .....	10.82	2.31
26 05 36 00-2127	LF 18" Steel Cable Tray Cover, Straight Section .....	14.65	3.08
26 05 36 00-2128	LF 24" Steel Cable Tray Cover, Straight Section .....	18.65	4.14
26 05 36 00-2129	LF 30" Steel Cable Tray Cover, Straight Section .....	22.64	5.10
26 05 36 00-2130	LF 36" Steel Cable Tray Cover, Straight Section .....	112.59	57.85
<b>26 05 36 00-2131</b>	<b>90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2132	EA 6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	45.58	6.16
26 05 36 00-2133	EA 9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	51.05	7.22
26 05 36 00-2134	EA 12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	55.49	8.56
26 05 36 00-2135	EA 18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	75.31	10.97
26 05 36 00-2136	EA 24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	92.34	13.96
26 05 36 00-2137	EA 30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	111.29	15.49
26 05 36 00-2138	EA 36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	134.40	18.48
<b>26 05 36 00-2139</b>	<b>90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2140	EA 6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	69.88	6.84
26 05 36 00-2141	EA 9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	73.32	7.99
26 05 36 00-2142	EA 12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	82.86	9.63
26 05 36 00-2143	EA 18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	102.86	12.22
26 05 36 00-2144	EA 24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	126.25	15.40
26 05 36 00-2145	EA 30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	161.65	17.71
26 05 36 00-2146	EA 36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	188.11	20.99
<b>26 05 36 00-2147</b>	<b>90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2148	EA 6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	98.32	7.70
26 05 36 00-2149	EA 9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	109.36	8.85
26 05 36 00-2150	EA 12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	118.86	10.97
26 05 36 00-2151	EA 18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	150.45	12.81
26 05 36 00-2152	EA 24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	182.68	17.81
26 05 36 00-2153	EA 30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	215.08	20.12
26 05 36 00-2154	EA 36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	251.55	23.10
<b>26 05 36 00-2155</b>	<b>45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2156	EA 6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	35.38	6.16
	<i>For 60 Degree Bend, Deduct</i>	-9.30	
	<i>For 30 Degree Bend, Deduct</i>	-15.85	
26 05 36 00-2157	EA 9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	42.04	7.22
	<i>For 60 Degree Bend, Deduct</i>	-11.11	
	<i>For 30 Degree Bend, Deduct</i>	-18.91	
26 05 36 00-2158	EA 12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	47.23	8.56
	<i>For 60 Degree Bend, Deduct</i>	-12.32	
	<i>For 30 Degree Bend, Deduct</i>	-21.00	
26 05 36 00-2159	EA 18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	57.25	10.49
	<i>For 60 Degree Bend, Deduct</i>	-14.87	
	<i>For 30 Degree Bend, Deduct</i>	-25.37	
26 05 36 00-2160	EA 24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	66.82	12.13
	<i>For 60 Degree Bend, Deduct</i>	-17.38	
	<i>For 30 Degree Bend, Deduct</i>	-29.65	
26 05 36 00-2161	EA 30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	78.11	13.96
	<i>For 60 Degree Bend, Deduct</i>	-20.41	
	<i>For 30 Degree Bend, Deduct</i>	-34.79	
26 05 36 00-2162	EA 36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	87.20	15.40
	<i>For 60 Degree Bend, Deduct</i>	-22.87	
	<i>For 30 Degree Bend, Deduct</i>	-38.98	
<b>26 05 36 00-2163</b>	<b>45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2164	EA 6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	48.13	6.84
	<i>For 60 Degree Bend, Deduct</i>	-13.27	
	<i>For 30 Degree Bend, Deduct</i>	-22.50	
26 05 36 00-2165	EA 9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	54.56	7.99
	<i>For 60 Degree Bend, Deduct</i>	-14.95	
	<i>For 30 Degree Bend, Deduct</i>	-25.36	
26 05 36 00-2166	EA 12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	62.60	9.63
	<i>For 60 Degree Bend, Deduct</i>	-16.96	
	<i>For 30 Degree Bend, Deduct</i>	-28.80	
26 05 36 00-2167	EA 18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	72.55	11.55
	<i>For 60 Degree Bend, Deduct</i>	-19.51	
	<i>For 30 Degree Bend, Deduct</i>	-33.15	
26 05 36 00-2168	EA 24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	83.57	13.19
	<i>For 60 Degree Bend, Deduct</i>	-22.51	
	<i>For 30 Degree Bend, Deduct</i>	-38.25	
26 05 36 00-2169	EA 30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	103.77	15.40
	<i>For 60 Degree Bend, Deduct</i>	-28.33	
	<i>For 30 Degree Bend, Deduct</i>	-48.07	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2170	EA		36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	115.19	17.81
			<i>For 60 Degree Bend, Deduct</i>	-31.19	
			<i>For 30 Degree Bend, Deduct</i>	-52.98	
<b>26 05 36 00-2171</b>			<b>45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2122)</b>		
26 05 36 00-2172	EA		6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	66.07	7.70
			<i>For 60 Degree Bend, Deduct</i>	-18.86	
			<i>For 30 Degree Bend, Deduct</i>	-31.86	
26 05 36 00-2173	EA		9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	74.85	8.85
			<i>For 60 Degree Bend, Deduct</i>	-21.29	
			<i>For 30 Degree Bend, Deduct</i>	-35.98	
26 05 36 00-2174	EA		12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	84.30	10.97
			<i>For 60 Degree Bend, Deduct</i>	-23.62	
			<i>For 30 Degree Bend, Deduct</i>	-39.97	
26 05 36 00-2175	EA		18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	96.12	12.22
			<i>For 60 Degree Bend, Deduct</i>	-27.04	
			<i>For 30 Degree Bend, Deduct</i>	-45.75	
26 05 36 00-2176	EA		24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	117.16	14.92
			<i>For 60 Degree Bend, Deduct</i>	-32.94	
			<i>For 30 Degree Bend, Deduct</i>	-55.73	
26 05 36 00-2177	EA		30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	130.20	17.81
			<i>For 60 Degree Bend, Deduct</i>	-36.15	
			<i>For 30 Degree Bend, Deduct</i>	-61.23	
26 05 36 00-2178	EA		36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	153.66	19.25
			<i>For 60 Degree Bend, Deduct</i>	-43.32	
			<i>For 30 Degree Bend, Deduct</i>	-73.27	
<b>26 05 36 00-2179</b>			<b>90 Degree, 12" Radius Vertical Risers (26 05 36 00-2122)</b>		
26 05 36 00-2180	EA		6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover .....	39.69	6.16
26 05 36 00-2181	EA		9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover .....	42.04	7.22
26 05 36 00-2182	EA		12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover .....	46.48	8.56
26 05 36 00-2183	EA		18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover .....	54.28	10.49
26 05 36 00-2184	EA		24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover .....	60.16	13.58
26 05 36 00-2185	EA		30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover .....	67.02	15.49
26 05 36 00-2186	EA		36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover .....	84.04	18.48
<b>26 05 36 00-2187</b>			<b>90 Degree, 24" Radius Vertical Risers (26 05 36 00-2122)</b>		
26 05 36 00-2188	EA		6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover .....	47.37	6.84
26 05 36 00-2189	EA		9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover .....	53.06	7.99
26 05 36 00-2190	EA		12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover .....	57.35	9.63
26 05 36 00-2191	EA		18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover .....	74.02	11.55
26 05 36 00-2192	EA		24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover .....	86.37	14.92
26 05 36 00-2193	EA		30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover .....	99.39	17.81
26 05 36 00-2194	EA		36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover .....	114.58	20.99
<b>26 05 36 00-2195</b>			<b>90 Degree, 36" Radius Vertical Risers (26 05 36 00-2122)</b>		
26 05 36 00-2196	EA		6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover .....	54.80	7.70
26 05 36 00-2197	EA		9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover .....	68.09	8.85
26 05 36 00-2198	EA		12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover .....	78.34	10.97
26 05 36 00-2199	EA		18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover .....	96.11	12.22
26 05 36 00-2200	EA		24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover .....	112.50	17.04
26 05 36 00-2201	EA		30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover .....	134.05	20.12
26 05 36 00-2202	EA		36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover .....	157.00	23.10
<b>26 05 36 00-2203</b>			<b>12" Radius Horizontal Tees (26 05 36 00-2122)</b>		
26 05 36 00-2204	EA		6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	70.02	10.01
26 05 36 00-2205	EA		9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	74.02	11.55
26 05 36 00-2206	EA		12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	84.10	13.58
26 05 36 00-2207	EA		18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	100.76	15.40
26 05 36 00-2208	EA		24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	124.19	17.81
26 05 36 00-2209	EA		30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	153.76	25.60
26 05 36 00-2210	EA		36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	184.78	30.71
<b>26 05 36 00-2211</b>			<b>24" Radius Horizontal Tees (26 05 36 00-2122)</b>		
26 05 36 00-2212	EA		6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	101.55	10.49
26 05 36 00-2213	EA		9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	116.37	12.22
26 05 36 00-2214	EA		12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	123.08	14.44
26 05 36 00-2215	EA		18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	155.09	16.56
26 05 36 00-2216	EA		24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	227.10	19.25
26 05 36 00-2217	EA		30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	270.27	28.88
26 05 36 00-2218	EA		36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	303.81	35.52
<b>26 05 36 00-2219</b>			<b>36" Radius Horizontal Tees (26 05 36 00-2122)</b>		
26 05 36 00-2220	EA		6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	169.86	10.97
26 05 36 00-2221	EA		9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	175.94	12.81
26 05 36 00-2222	EA		12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	196.78	15.40
26 05 36 00-2223	EA		18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	230.78	17.81
26 05 36 00-2224	EA		24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	299.16	20.99

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 36 00-2225	EA		30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	341.77	33.11
26 05 36 00-2226	EA		36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	395.44	41.88
<b>26 05 36 00-2227 12" Radius Horizontal Crosses (26 05 36 00-2122)</b>					
26 05 36 00-2228	EA		6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	102.16	13.58
26 05 36 00-2229	EA		9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	108.11	14.44
26 05 36 00-2230	EA		12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	119.52	15.40
26 05 36 00-2231	EA		18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	140.70	17.81
26 05 36 00-2232	EA		24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	177.73	25.60
26 05 36 00-2233	EA		30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	205.74	30.71
26 05 36 00-2234	EA		36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	235.05	33.02
<b>26 05 36 00-2235 24" Radius Horizontal Crosses (26 05 36 00-2122)</b>					
26 05 36 00-2236	EA		6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	175.67	14.44
26 05 36 00-2237	EA		9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	190.77	15.40
26 05 36 00-2238	EA		12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	204.61	16.56
26 05 36 00-2239	EA		18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	243.61	19.25
26 05 36 00-2240	EA		24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	306.25	28.88
26 05 36 00-2241	EA		30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	350.25	35.52
26 05 36 00-2242	EA		36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	391.19	38.41
<b>26 05 36 00-2243 36" Radius Horizontal Crosses (26 05 36 00-2122)</b>					
26 05 36 00-2244	EA		6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	279.31	15.40
26 05 36 00-2245	EA		9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	290.15	16.56
26 05 36 00-2246	EA		12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	305.81	17.81
26 05 36 00-2247	EA		18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	353.18	20.99
26 05 36 00-2248	EA		24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	460.28	33.02
26 05 36 00-2249	EA		30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	505.30	42.07
26 05 36 00-2250	EA		36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	542.21	46.21
<b>26 05 36 00-2251 Reducers (26 05 36 00-2122)</b>					
26 05 36 00-2252	EA		9"-6" Reducer, Steel Cable Tray Covers.....	45.81	7.22
26 05 36 00-2253	EA		12"-6" Reducer, Steel Cable Tray Covers.....	49.52	8.56
26 05 36 00-2254	EA		12"-9" Reducer, Steel Cable Tray Covers.....	49.52	8.56
26 05 36 00-2255	EA		18"-6" Reducer, Steel Cable Tray Covers.....	55.02	10.49
26 05 36 00-2256	EA		18"-12" Reducer, Steel Cable Tray Covers.....	55.02	10.49
26 05 36 00-2257	EA		24"-12" Reducer, Steel Cable Tray Covers.....	67.27	11.55
26 05 36 00-2258	EA		24"-18" Reducer, Steel Cable Tray Covers.....	71.77	11.55
26 05 36 00-2259	EA		30"-12" Reducer, Steel Cable Tray Covers.....	70.04	13.19
26 05 36 00-2260	EA		30"-18" Reducer, Steel Cable Tray Covers.....	74.54	13.19
26 05 36 00-2261	EA		30"-24" Reducer, Steel Cable Tray Covers.....	77.54	13.19
26 05 36 00-2262	EA		36"-12" Reducer, Steel Cable Tray Covers.....	81.05	14.44
26 05 36 00-2263	EA		36"-18" Reducer, Steel Cable Tray Covers.....	82.55	14.44
26 05 36 00-2264	EA		36"-24" Reducer, Steel Cable Tray Covers.....	84.05	14.44
26 05 36 00-2265	EA		36"-30" Reducer, Steel Cable Tray Covers.....	84.80	14.44
<b>26 05 36 00-2266 Aluminum Covers (26 05 36 00-2121)</b>					
<b>26 05 36 00-2267 Ventilated Straight Sections (26 05 36 00-2266)</b>					
26 05 36 00-2268	LF		6" Aluminum Cable Tray Cover, Straight Section.....	10.34	1.73
26 05 36 00-2269	LF		9" Aluminum Cable Tray Cover, Straight Section.....	12.35	2.03
26 05 36 00-2270	LF		12" Aluminum Cable Tray Cover, Straight Section.....	14.52	2.31
26 05 36 00-2271	LF		18" Aluminum Cable Tray Cover, Straight Section.....	19.31	3.08
26 05 36 00-2272	LF		24" Aluminum Cable Tray Cover, Straight Section.....	24.77	4.14
26 05 36 00-2273	LF		30" Aluminum Cable Tray Cover, Straight Section.....	28.06	5.10
26 05 36 00-2274	LF		36" Aluminum Cable Tray Cover, Straight Section.....	117.21	57.85
<b>26 05 36 00-2275 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2266)</b>					
26 05 36 00-2276	EA		6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	58.92	6.16
26 05 36 00-2277	EA		9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	62.75	7.22
26 05 36 00-2278	EA		12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	69.17	8.56
26 05 36 00-2279	EA		18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	90.14	10.97
26 05 36 00-2280	EA		24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	114.19	13.96
26 05 36 00-2281	EA		30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	134.59	15.49
26 05 36 00-2282	EA		36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	164.00	18.48
<b>26 05 36 00-2283 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2266)</b>					
26 05 36 00-2284	EA		6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	77.92	6.84
26 05 36 00-2285	EA		9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	95.71	7.99
26 05 36 00-2286	EA		12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	106.96	9.63
26 05 36 00-2287	EA		18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	128.11	12.22
26 05 36 00-2288	EA		24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	158.85	15.40
26 05 36 00-2289	EA		30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	192.32	17.71
26 05 36 00-2290	EA		36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	235.82	20.99
<b>26 05 36 00-2291 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2266)</b>					

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2292	EA		6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover .....	126.91	7.70
26 05 36 00-2293	EA		9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover .....	139.51	8.85
26 05 36 00-2294	EA		12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover .....	159.91	10.97
26 05 36 00-2295	EA		18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover .....	190.47	12.81
26 05 36 00-2296	EA		24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover .....	234.61	17.81
26 05 36 00-2297	EA		30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover .....	270.21	20.12
26 05 36 00-2298	EA		36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover .....	315.31	23.10
<b>26 05 36 00-2299</b>			<b>45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2300	EA		6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover .....	46.25	6.16
			<i>For 30 Degree Bend, Deduct</i>	-21.83	
			<i>For 60 Degree Bend, Deduct</i>	-12.89	
26 05 36 00-2301	EA		9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover .....	49.02	7.22
			<i>For 30 Degree Bend, Deduct</i>	-22.75	
			<i>For 60 Degree Bend, Deduct</i>	-13.41	
26 05 36 00-2302	EA		12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover .....	55.64	8.56
			<i>For 30 Degree Bend, Deduct</i>	-25.63	
			<i>For 60 Degree Bend, Deduct</i>	-15.09	
26 05 36 00-2303	EA		18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover .....	65.03	10.49
			<i>For 30 Degree Bend, Deduct</i>	-29.65	
			<i>For 60 Degree Bend, Deduct</i>	-17.44	
26 05 36 00-2304	EA		24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover .....	73.14	12.13
			<i>For 30 Degree Bend, Deduct</i>	-33.12	
			<i>For 60 Degree Bend, Deduct</i>	-19.47	
26 05 36 00-2305	EA		30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover .....	89.91	13.96
			<i>For 30 Degree Bend, Deduct</i>	-41.28	
			<i>For 60 Degree Bend, Deduct</i>	-24.30	
26 05 36 00-2306	EA		36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover .....	105.98	15.40
			<i>For 30 Degree Bend, Deduct</i>	-49.30	
			<i>For 60 Degree Bend, Deduct</i>	-29.07	
<b>26 05 36 00-2307</b>			<b>45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2308	EA		6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover .....	53.10	6.84
			<i>For 30 Degree Bend, Deduct</i>	-25.23	
			<i>For 60 Degree Bend, Deduct</i>	-14.91	
26 05 36 00-2309	EA		9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover .....	66.13	7.99
			<i>For 30 Degree Bend, Deduct</i>	-31.72	
			<i>For 60 Degree Bend, Deduct</i>	-18.77	
26 05 36 00-2310	EA		12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover .....	71.03	9.63
			<i>For 30 Degree Bend, Deduct</i>	-33.44	
			<i>For 60 Degree Bend, Deduct</i>	-19.74	
26 05 36 00-2311	EA		18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover .....	85.85	11.55
			<i>For 30 Degree Bend, Deduct</i>	-40.47	
			<i>For 60 Degree Bend, Deduct</i>	-23.90	
26 05 36 00-2312	EA		24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover .....	104.46	13.19
			<i>For 30 Degree Bend, Deduct</i>	-49.74	
			<i>For 60 Degree Bend, Deduct</i>	-29.40	
26 05 36 00-2313	EA		30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover .....	120.83	15.40
			<i>For 30 Degree Bend, Deduct</i>	-57.45	
			<i>For 60 Degree Bend, Deduct</i>	-33.96	
26 05 36 00-2314	EA		36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover .....	139.55	17.81
			<i>For 30 Degree Bend, Deduct</i>	-66.38	
			<i>For 60 Degree Bend, Deduct</i>	-39.23	
<b>26 05 36 00-2315</b>			<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2316	EA		6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover .....	84.66	7.70
			<i>For 30 Degree Bend, Deduct</i>	-42.08	
			<i>For 60 Degree Bend, Deduct</i>	-24.99	
26 05 36 00-2317	EA		9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover .....	93.02	8.85
			<i>For 30 Degree Bend, Deduct</i>	-45.97	
			<i>For 60 Degree Bend, Deduct</i>	-27.29	
26 05 36 00-2318	EA		12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover .....	100.69	10.97
			<i>For 30 Degree Bend, Deduct</i>	-48.99	
			<i>For 60 Degree Bend, Deduct</i>	-29.03	
26 05 36 00-2319	EA		18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover .....	119.67	12.22
			<i>For 30 Degree Bend, Deduct</i>	-58.70	
			<i>For 60 Degree Bend, Deduct</i>	-34.81	
26 05 36 00-2320	EA		24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover .....	145.34	14.92
			<i>For 30 Degree Bend, Deduct</i>	-71.23	
			<i>For 60 Degree Bend, Deduct</i>	-42.24	
26 05 36 00-2321	EA		30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover .....	167.02	17.81
			<i>For 30 Degree Bend, Deduct</i>	-81.48	
			<i>For 60 Degree Bend, Deduct</i>	-48.30	
26 05 36 00-2322	EA		36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover .....	188.50	19.25
			<i>For 30 Degree Bend, Deduct</i>	-92.44	
			<i>For 60 Degree Bend, Deduct</i>	-54.82	
<b>26 05 36 00-2323</b>			<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2324	EA		6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	51.70	6.16
26 05 36 00-2325	EA		9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	53.77	7.22
26 05 36 00-2326	EA		12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	59.66	8.56
26 05 36 00-2327	EA		18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	70.35	10.49
26 05 36 00-2328	EA		24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	77.59	13.58
26 05 36 00-2329	EA		30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	81.76	15.49



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2330	EA	36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	98.40	18.48
<b>26 05 36 00-2331</b>		<b>90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-2266)</small></b>		
26 05 36 00-2332	EA	6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	58.90	6.84
26 05 36 00-2333	EA	9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	65.07	7.99
26 05 36 00-2334	EA	12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	72.09	9.63
26 05 36 00-2335	EA	18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	86.88	11.55
26 05 36 00-2336	EA	24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	98.81	14.92
26 05 36 00-2337	EA	30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	124.71	17.81
26 05 36 00-2338	EA	36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	138.60	20.99
<b>26 05 36 00-2339</b>		<b>90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-2266)</small></b>		
26 05 36 00-2340	EA	6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	67.73	7.70
26 05 36 00-2341	EA	9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	82.45	8.85
26 05 36 00-2342	EA	12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	96.51	10.97
26 05 36 00-2343	EA	18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	115.43	12.22
26 05 36 00-2344	EA	24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	140.47	17.04
26 05 36 00-2345	EA	30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	175.10	20.12
26 05 36 00-2346	EA	36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	190.62	23.10
<b>26 05 36 00-2347</b>		<b>12" Radius Horizontal Tees <small>(26 05 36 00-2266)</small></b>		
26 05 36 00-2348	EA	6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	84.38	10.01
26 05 36 00-2349	EA	9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	91.11	11.55
26 05 36 00-2350	EA	12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	102.88	13.58
26 05 36 00-2351	EA	18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	120.83	15.40
26 05 36 00-2352	EA	24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	150.12	17.81
26 05 36 00-2353	EA	30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	184.31	25.60
26 05 36 00-2354	EA	36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	222.41	30.71
<b>26 05 36 00-2355</b>		<b>24" Radius Horizontal Tees <small>(26 05 36 00-2266)</small></b>		
26 05 36 00-2356	EA	6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	127.41	10.49
26 05 36 00-2357	EA	9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	142.91	12.22
26 05 36 00-2358	EA	12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	161.41	14.44
26 05 36 00-2359	EA	18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	188.15	16.56
26 05 36 00-2360	EA	24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	287.74	19.25
26 05 36 00-2361	EA	30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	331.37	28.88
26 05 36 00-2362	EA	36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	374.10	35.52
<b>26 05 36 00-2363</b>		<b>36" Radius Horizontal Tees <small>(26 05 36 00-2266)</small></b>		
26 05 36 00-2364	EA	6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	219.07	10.97
26 05 36 00-2365	EA	9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	226.37	12.81
26 05 36 00-2366	EA	12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	251.84	15.40
26 05 36 00-2367	EA	18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	285.42	17.81
26 05 36 00-2368	EA	24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	360.51	20.99
26 05 36 00-2369	EA	30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	420.77	33.11
26 05 36 00-2370	EA	36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	481.91	41.88
<b>26 05 36 00-2371</b>		<b>12" Radius Horizontal Crosses <small>(26 05 36 00-2266)</small></b>		
26 05 36 00-2372	EA	6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	126.18	13.58
26 05 36 00-2373	EA	9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	133.97	14.44
26 05 36 00-2374	EA	12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	148.31	15.40
26 05 36 00-2375	EA	18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	177.59	17.81
26 05 36 00-2376	EA	24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	213.86	25.60
26 05 36 00-2377	EA	30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	254.06	30.71
26 05 36 00-2378	EA	36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	289.56	33.02
<b>26 05 36 00-2379</b>		<b>24" Radius Horizontal Crosses <small>(26 05 36 00-2266)</small></b>		
26 05 36 00-2380	EA	6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	226.99	14.44
26 05 36 00-2381	EA	9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	243.38	15.40
26 05 36 00-2382	EA	12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	262.12	16.56
26 05 36 00-2383	EA	18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	304.64	19.25
26 05 36 00-2384	EA	24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	373.60	28.88
26 05 36 00-2385	EA	30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	439.54	35.52
26 05 36 00-2386	EA	36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	476.16	38.41
<b>26 05 36 00-2387</b>		<b>36" Radius Horizontal Crosses <small>(26 05 36 00-2266)</small></b>		
26 05 36 00-2388	EA	6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	351.17	15.40
26 05 36 00-2389	EA	9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	367.79	16.56
26 05 36 00-2390	EA	12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	395.32	17.81
26 05 36 00-2391	EA	18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	436.59	20.99
26 05 36 00-2392	EA	24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	551.76	33.02
26 05 36 00-2393	EA	30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	640.73	42.07
26 05 36 00-2394	EA	36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	700.46	46.21

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
<b>26 05 36 00-2395 Reducers (26 05 36 00-2266)</b>					
26 05 36 00-2396	EA	9"-6" Reducer, Aluminum Cable Tray Covers .....	63.82		7.22
26 05 36 00-2397	EA	12"-6" Reducer, Aluminum Cable Tray Covers .....	68.14		8.56
26 05 36 00-2398	EA	12"-9" Reducer, Aluminum Cable Tray Covers .....	68.14		8.56
26 05 36 00-2399	EA	18"-6" Reducer, Aluminum Cable Tray Covers .....	76.68		10.49
26 05 36 00-2400	EA	18"-12" Reducer, Aluminum Cable Tray Covers .....	76.68		10.49
26 05 36 00-2401	EA	24"-12" Reducer, Aluminum Cable Tray Covers .....	84.77		11.55
26 05 36 00-2402	EA	24"-18" Reducer, Aluminum Cable Tray Covers .....	93.18		11.55
26 05 36 00-2403	EA	30"-12" Reducer, Aluminum Cable Tray Covers .....	98.10		13.19
26 05 36 00-2404	EA	30"-18" Reducer, Aluminum Cable Tray Covers .....	101.25		13.19
26 05 36 00-2405	EA	30"-24" Reducer, Aluminum Cable Tray Covers .....	103.41		13.19
26 05 36 00-2406	EA	36"-12" Reducer, Aluminum Cable Tray Covers .....	108.56		14.44
26 05 36 00-2407	EA	36"-18" Reducer, Aluminum Cable Tray Covers .....	110.67		14.44
26 05 36 00-2408	EA	36"-24" Reducer, Aluminum Cable Tray Covers .....	111.73		14.44
26 05 36 00-2409	EA	36"-30" Reducer, Aluminum Cable Tray Covers .....	112.78		14.44
<b>26 05 36 00-2410 Galvanized Steel Dividers (26 05 36 00-2121)</b>					
<b>26 05 36 00-2411 Straight Dividers (26 05 36 00-2410)</b>					
26 05 36 00-2412	LF	3" Deep Galvanized Steel Divider Strip, Straight .....	7.98		2.31
26 05 36 00-2413	LF	4" Deep Galvanized Steel Divider Strip, Straight .....	9.34		2.51
26 05 36 00-2414	LF	6" Deep Galvanized Steel Divider Strip, Straight .....	11.49		2.89
<b>26 05 36 00-2415 3" Deep Vertical Dividers (26 05 36 00-2410)</b>					
26 05 36 00-2416	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray .....	47.79		16.56
26 05 36 00-2417	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray .....	53.93		17.14
26 05 36 00-2418	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray .....	56.66		17.81
26 05 36 00-2419	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray .....	64.58		18.48
26 05 36 00-2420	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray .....	61.57		18.48
26 05 36 00-2421	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray .....	66.57		19.25
26 05 36 00-2422	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray .....	77.02		20.12
26 05 36 00-2423	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray .....	94.32		20.99
26 05 36 00-2424	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable .....	76.31		20.99
26 05 36 00-2425	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray .....	84.69		22.04
26 05 36 00-2426	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray .....	94.79		23.10
26 05 36 00-2427	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray .....	118.56		24.36
<b>26 05 36 00-2428 4" Deep Vertical Dividers (26 05 36 00-2410)</b>					
26 05 36 00-2429	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray .....	54.30		17.14
26 05 36 00-2430	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray .....	59.66		17.81
26 05 36 00-2431	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray .....	64.58		18.48
26 05 36 00-2432	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray .....	73.32		19.25
26 05 36 00-2433	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray .....	73.32		19.25
26 05 36 00-2434	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray .....	85.27		20.12
26 05 36 00-2435	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray .....	93.57		20.99
26 05 36 00-2436	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray .....	114.71		22.04
26 05 36 00-2437	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray .....	81.52		20.12
26 05 36 00-2438	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray .....	89.81		20.99
26 05 36 00-2439	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray .....	105.70		22.04
26 05 36 00-2440	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray .....	132.30		23.10
<b>26 05 36 00-2441 6" Deep Vertical Dividers (26 05 36 00-2410)</b>					
26 05 36 00-2442	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray .....	60.19		19.25
26 05 36 00-2443	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray .....	65.01		20.12
26 05 36 00-2444	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray .....	71.06		20.99
26 05 36 00-2445	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray .....	81.69		22.04
26 05 36 00-2446	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray .....	74.77		20.12
26 05 36 00-2447	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray .....	86.81		20.99
26 05 36 00-2448	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray .....	95.95		22.04
26 05 36 00-2449	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray .....	116.55		23.10
26 05 36 00-2450	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray .....	83.06		20.99
26 05 36 00-2451	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray .....	95.95		22.04
26 05 36 00-2452	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray .....	116.55		23.10
26 05 36 00-2453	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray .....	141.07		24.36
<b>26 05 36 00-2454 Horizontal Dividers (26 05 36 00-2410)</b>					
26 05 36 00-2455	EA	3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray .....	52.18		13.96
26 05 36 00-2456	EA	4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray .....	57.96		15.40
26 05 36 00-2457	EA	6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray .....	69.76		17.14
<b>26 05 36 00-2458 Aluminum Dividers (26 05 36 00-2121)</b>					
<b>26 05 36 00-2459 Straight Dividers (26 05 36 00-2458)</b>					
26 05 36 00-2460	LF	3" Deep Aluminum Divider Strip, Straight .....	9.47		2.22
26 05 36 00-2461	LF	4" Deep Aluminum Divider Strip, Straight .....	11.23		2.41
26 05 36 00-2462	LF	6" Deep Aluminum Divider Strip, Straight .....	13.92		2.70

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**26 05 36 00-2463 3" Deep Vertical Dividers** (26 05 36 00-2458)

26 05 36 00-2464	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray.....	49.70	15.97
26 05 36 00-2465	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray.....	54.81	16.56
26 05 36 00-2466	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray.....	60.42	17.14
26 05 36 00-2467	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray.....	70.06	17.81
26 05 36 00-2468	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray.....	68.04	17.81
26 05 36 00-2469	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray.....	75.27	18.48
26 05 36 00-2470	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray.....	87.62	19.25
26 05 36 00-2471	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray.....	109.28	20.12
26 05 36 00-2472	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray.....	92.10	20.12
26 05 36 00-2473	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray.....	110.82	20.99
26 05 36 00-2474	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray.....	134.67	22.04
26 05 36 00-2475	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	166.82	23.10

**26 05 36 00-2476 4" Deep Vertical Dividers** (26 05 36 00-2458)

26 05 36 00-2477	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray.....	60.16	16.56
26 05 36 00-2478	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray.....	66.38	17.14
26 05 36 00-2479	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray.....	73.10	17.81
26 05 36 00-2480	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray.....	82.34	18.48
26 05 36 00-2481	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray.....	81.33	18.48
26 05 36 00-2482	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray.....	94.69	19.25
26 05 36 00-2483	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray.....	107.26	20.12
26 05 36 00-2484	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray.....	136.08	20.99
26 05 36 00-2485	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray.....	110.86	19.25
26 05 36 00-2486	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray.....	134.54	20.12
26 05 36 00-2487	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray.....	158.30	20.99
26 05 36 00-2488	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	192.26	22.04

**26 05 36 00-2489 6" Deep Vertical Dividers** (26 05 36 00-2458)

26 05 36 00-2490	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray.....	66.58	18.48
26 05 36 00-2491	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray.....	74.48	19.25
26 05 36 00-2492	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray.....	77.96	20.12
26 05 36 00-2493	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray.....	87.58	20.99
26 05 36 00-2494	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray.....	84.59	19.25
26 05 36 00-2495	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray.....	105.24	20.12
26 05 36 00-2496	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray.....	113.85	20.99
26 05 36 00-2497	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray.....	143.77	22.04
26 05 36 00-2498	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray.....	113.32	20.12
26 05 36 00-2499	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray.....	142.14	20.99
26 05 36 00-2500	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray.....	162.96	22.04
26 05 36 00-2501	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	190.06	23.10

**26 05 36 00-2502 Horizontal Dividers** (26 05 36 00-2458)

26 05 36 00-2503	EA	3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray.....	58.82	13.19
26 05 36 00-2504	EA	4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray.....	64.48	14.44
26 05 36 00-2505	EA	6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray.....	80.11	15.97

**26 05 36 00-2506 Wall Brackets** (26 05 36 00-0001)

**26 05 36 00-2507 Wall Brackets** (26 05 36 00-2506)

26 05 36 00-2508	EA	6" Wide Tray Wall Bracket.....	72.88	19.25
26 05 36 00-2509	EA	9" Wide Tray Wall Bracket.....	75.50	20.12
26 05 36 00-2510	EA	12" Wide Tray Wall Bracket.....	82.87	20.99
26 05 36 00-2511	EA	18" Wide Tray Wall Bracket.....	88.00	22.04
26 05 36 00-2512	EA	24" Wide Tray Wall Bracket.....	95.67	23.10
26 05 36 00-2513	EA	30" Wide Tray Wall Bracket.....	114.02	24.36
26 05 36 00-2514	EA	36" Wide Tray Wall Bracket.....	136.64	25.99

**26 05 36 00-2515 Triangle Wall Brackets** (26 05 36 00-2506)

26 05 36 00-2516	EA	6" Wide, Ladder Rack Triangle Wall Support (Hubbell HLTSB06B).....	75.33	19.25
26 05 36 00-2517	EA	12" Wide, Ladder Rack Triangle Wall Support (Hubbell HLTSB12B).....	86.52	20.99
26 05 36 00-2518	EA	18" Wide, Ladder Rack Triangle Wall Support (Hubbell HLTSB18B).....	91.17	22.04
26 05 36 00-2519	EA	24" Wide Ladder Rack, Triangle Wall Support (Hubbell HLTSB24B).....	95.54	23.10

**26 05 36 00-2520 Cable Retaining Posts** (26 05 36 00-0001)

Note: Includes mounting bracket and end cap.

26 05 36 00-2521	EA	6" High, Cable Retaining Post (Hubbell HLP06B).....	27.01	3.86
26 05 36 00-2522	EA	8" High, Cable Retaining Post (Hubbell HLP08B).....	27.73	3.86
26 05 36 00-2523	EA	10" High, Cable Retaining Post (Hubbell HLP10B).....	28.70	3.86

**26 05 36 00-2524 Fiberglass Cable Tray** (26 05 36 00-0001)

**26 05 36 00-2525 Ladder Bottom Fiberglass Cable Tray** (26 05 36 00-2524)

Note: Excludes hangers and support system.

**26 05 36 00-2526 Straight Tray Sections** (26 05 36 00-2525)

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-2527	LF 6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	9.27	2.60
	For 6" Rung Spacing, Add	0.81	
	For 4" Rung Spacing, Add	1.49	
	For Vented Trough Bottom, Add	2.65	
	For Solid Bottom, Add	2.20	
	For 18" Rung Spacing, Deduct	-0.14	
	For 9" Rung Spacing, Add	0.19	
26 05 36 00-2528	LF 9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	10.41	3.18
	For 6" Rung Spacing, Add	0.84	
	For 4" Rung Spacing, Add	1.54	
	For Vented Trough Bottom, Add	2.84	
	For Solid Bottom, Add	2.40	
	For 18" Rung Spacing, Deduct	-0.14	
	For 9" Rung Spacing, Add	0.20	
26 05 36 00-2529	LF 12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	11.54	3.85
	For 6" Rung Spacing, Add	0.86	
	For 4" Rung Spacing, Add	1.58	
	For Vented Trough Bottom, Add	3.03	
	For Solid Bottom, Add	2.60	
	For 18" Rung Spacing, Deduct	-0.14	
	For 9" Rung Spacing, Add	0.20	
26 05 36 00-2530	LF 18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	13.89	5.10
	For 6" Rung Spacing, Add	0.93	
	For 4" Rung Spacing, Add	1.70	
	For Vented Trough Bottom, Add	3.44	
	For Solid Bottom, Add	3.01	
	For 18" Rung Spacing, Deduct	-0.15	
	For 9" Rung Spacing, Add	0.22	
26 05 36 00-2531	LF 24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	16.24	6.45
	For 6" Rung Spacing, Add	0.99	
	For 4" Rung Spacing, Add	1.82	
	For Vented Trough Bottom, Add	3.85	
	For Solid Bottom, Add	3.43	
	For 18" Rung Spacing, Deduct	-0.17	
	For 9" Rung Spacing, Add	0.23	
26 05 36 00-2532	LF 30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	17.76	7.03
	For 6" Rung Spacing, Add	1.08	
	For 4" Rung Spacing, Add	1.97	
	For Vented Trough Bottom, Add	4.19	
	For Solid Bottom, Add	3.74	
	For 18" Rung Spacing, Deduct	-0.18	
	For 9" Rung Spacing, Add	0.25	
26 05 36 00-2533	LF 36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	19.30	7.70
	For 6" Rung Spacing, Add	1.16	
	For 4" Rung Spacing, Add	2.13	
	For Vented Trough Bottom, Add	4.54	
	For Solid Bottom, Add	4.06	
	For 18" Rung Spacing, Deduct	-0.19	
	For 9" Rung Spacing, Add	0.27	
<b>26 05 36 00-2534</b>	<b>90 Degree Horizontal Elbows</b> <small>(26 05 36 00-2525)</small>		
26 05 36 00-2535	EA 6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	50.82	19.25
	For 6" Rung Spacing, Add	3.29	
	For 30 Degree Bend, Deduct	-17.84	
	For 4" Rung Spacing, Add	6.03	
	For 45 Degree Bend, Deduct	-13.99	
	For Vented Trough Bottom, Add	12.39	
	For Solid Bottom, Add	10.91	
	For 18" Rung Spacing, Deduct	-0.55	
	For 60 Degree Bend, Deduct	-10.13	
	For 9" Rung Spacing, Add	0.77	
26 05 36 00-2536	EA 9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	56.88	22.43
	For 6" Rung Spacing, Add	3.48	
	For 30 Degree Bend, Deduct	-19.49	
	For 4" Rung Spacing, Add	6.38	
	For 45 Degree Bend, Deduct	-15.26	
	For Vented Trough Bottom, Add	13.49	
	For Solid Bottom, Add	12.01	
	For 18" Rung Spacing, Deduct	-0.58	
	For 60 Degree Bend, Deduct	-11.02	
	For 9" Rung Spacing, Add	0.81	
26 05 36 00-2537	EA 12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	66.81	28.21
	For 6" Rung Spacing, Add	3.67	
	For 30 Degree Bend, Deduct	-21.92	
	For 4" Rung Spacing, Add	6.72	
	For 45 Degree Bend, Deduct	-17.11	
	For Vented Trough Bottom, Add	15.08	
	For Solid Bottom, Add	13.69	
	For 18" Rung Spacing, Deduct	-0.61	
	For 60 Degree Bend, Deduct	-12.30	
	For 9" Rung Spacing, Add	0.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2538	EA		18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	79.10	34.07
			For 6" Rung Spacing, Add	4.21	
			For 30 Degree Bend, Deduct	-25.65	
			For 4" Rung Spacing, Add	7.72	
			For 45 Degree Bend, Deduct	-20.01	
			For Vented Trough Bottom, Add	17.61	
			For Solid Bottom, Add	16.08	
			For 18" Rung Spacing, Deduct	-0.70	
			For 60 Degree Bend, Deduct	-14.37	
			For 9" Rung Spacing, Add	0.98	
26 05 36 00-2539	EA		24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	89.60	39.18
			For 6" Rung Spacing, Add	4.63	
			For 30 Degree Bend, Deduct	-28.73	
			For 4" Rung Spacing, Add	8.49	
			For 45 Degree Bend, Deduct	-22.40	
			For Vented Trough Bottom, Add	19.69	
			For Solid Bottom, Add	18.07	
			For 18" Rung Spacing, Deduct	-0.77	
			For 60 Degree Bend, Deduct	-16.06	
			For 9" Rung Spacing, Add	1.08	
26 05 36 00-2540	EA		30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	98.06	41.78
			For 6" Rung Spacing, Add	5.32	
			For 30 Degree Bend, Deduct	-32.03	
			For 4" Rung Spacing, Add	9.76	
			For 45 Degree Bend, Deduct	-25.00	
			For Vented Trough Bottom, Add	22.02	
			For Solid Bottom, Add	20.03	
			For 18" Rung Spacing, Deduct	-0.89	
			For 60 Degree Bend, Deduct	-17.97	
			For 9" Rung Spacing, Add	1.24	
26 05 36 00-2541	EA		36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	108.15	44.96
			For 6" Rung Spacing, Add	6.11	
			For 30 Degree Bend, Deduct	-35.90	
			For 4" Rung Spacing, Add	11.21	
			For 45 Degree Bend, Deduct	-28.04	
			For Vented Trough Bottom, Add	24.73	
			For Solid Bottom, Add	22.34	
			For 18" Rung Spacing, Deduct	-1.02	
			For 60 Degree Bend, Deduct	-20.19	
			For 9" Rung Spacing, Add	1.43	
<b>26 05 36 00-2542 Inside Or Outside Vertical Risers <small>(26 05 36 00-2525)</small></b>					
26 05 36 00-2543	EA		6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray .....	73.73	19.25
			For 6" Rung Spacing, Add	6.73	
			For 30 Degree Bend, Deduct	-30.44	
			For 4" Rung Spacing, Add	12.33	
			For 45 Degree Bend, Deduct	-24.07	
			For Vented Trough Bottom, Add	21.55	
			For Solid Bottom, Add	17.79	
			For 18" Rung Spacing, Deduct	-1.12	
			For 60 Degree Bend, Deduct	-17.69	
			For 9" Rung Spacing, Add	1.57	
26 05 36 00-2544	EA		9" Vertical Inside Or Outside Riser 90, Fiberglass .....	79.17	22.43
			For 6" Rung Spacing, Add	6.82	
			For 30 Degree Bend, Deduct	-31.75	
			For 4" Rung Spacing, Add	12.51	
			For 45 Degree Bend, Deduct	-25.06	
			For Vented Trough Bottom, Add	22.40	
			For Solid Bottom, Add	18.70	
			For 18" Rung Spacing, Deduct	-1.14	
			For 60 Degree Bend, Deduct	-18.38	
			For 9" Rung Spacing, Add	1.59	
26 05 36 00-2545	EA		12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray .....	88.47	28.21
			For 6" Rung Spacing, Add	6.92	
			For 30 Degree Bend, Deduct	-33.83	
			For 4" Rung Spacing, Add	12.68	
			For 45 Degree Bend, Deduct	-26.64	
			For Vented Trough Bottom, Add	23.74	
			For Solid Bottom, Add	20.19	
			For 18" Rung Spacing, Deduct	-1.15	
			For 60 Degree Bend, Deduct	-19.45	
			For 9" Rung Spacing, Add	1.61	
26 05 36 00-2546	EA		18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray .....	98.52	34.07
			For 6" Rung Spacing, Add	7.13	
			For 30 Degree Bend, Deduct	-36.33	
			For 4" Rung Spacing, Add	13.06	
			For 45 Degree Bend, Deduct	-28.55	
			For Vented Trough Bottom, Add	25.38	
			For Solid Bottom, Add	21.90	
			For 18" Rung Spacing, Deduct	-1.19	
			For 60 Degree Bend, Deduct	-20.78	
			For 9" Rung Spacing, Add	1.66	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-2547	EA 24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	107.48	39.18
	For 6" Rung Spacing, Add	7.31	
	For 30 Degree Bend, Deduct	-38.56	
	For 4" Rung Spacing, Add	13.41	
	For 45 Degree Bend, Deduct	-30.26	
	For Vented Trough Bottom, Add	26.84	
	For Solid Bottom, Add	23.44	
	For 18" Rung Spacing, Deduct	-1.22	
	For 60 Degree Bend, Deduct	-21.96	
	For 9" Rung Spacing, Add	1.71	
26 05 36 00-2548	EA 30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	112.59	41.78
	For 6" Rung Spacing, Add	7.50	
	For 30 Degree Bend, Deduct	-40.03	
	For 4" Rung Spacing, Add	13.76	
	For 45 Degree Bend, Deduct	-31.39	
	For Vented Trough Bottom, Add	27.83	
	For Solid Bottom, Add	24.39	
	For 18" Rung Spacing, Deduct	-1.25	
	For 60 Degree Bend, Deduct	-22.76	
	For 9" Rung Spacing, Add	1.75	
26 05 36 00-2549	EA 36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	122.65	44.96
	For 6" Rung Spacing, Add	8.29	
	For 30 Degree Bend, Deduct	-43.87	
	For 4" Rung Spacing, Add	15.20	
	For 45 Degree Bend, Deduct	-34.42	
	For Vented Trough Bottom, Add	30.53	
	For Solid Bottom, Add	26.69	
	For 18" Rung Spacing, Deduct	-1.38	
	For 60 Degree Bend, Deduct	-24.97	
	For 9" Rung Spacing, Add	1.93	
<b>26 05 36 00-2550</b>	<b>Horizontal Tees</b> (26 05 36 00-2525)		
26 05 36 00-2551	EA 6" Horizontal Tee, Fiberglass Cable Tray.....	110.90	48.13
	For 6" Rung Spacing, Add	5.81	
	For 4" Rung Spacing, Add	10.64	
	For Vented Trough Bottom, Add	24.51	
	For Solid Bottom, Add	22.44	
	For 18" Rung Spacing, Deduct	-0.97	
	For 9" Rung Spacing, Add	1.35	
26 05 36 00-2552	EA 9" Horizontal Tee, Fiberglass Cable Tray.....	124.95	56.51
	For 6" Rung Spacing, Add	6.03	
	For 4" Rung Spacing, Add	11.06	
	For Vented Trough Bottom, Add	26.68	
	For Solid Bottom, Add	24.78	
	For 18" Rung Spacing, Deduct	-1.01	
	For 9" Rung Spacing, Add	1.41	
26 05 36 00-2553	EA 12" Horizontal Tee, Fiberglass Cable Tray.....	142.86	67.39
	For 6" Rung Spacing, Add	6.27	
	For 4" Rung Spacing, Add	11.49	
	For Vented Trough Bottom, Add	29.35	
	For Solid Bottom, Add	27.70	
	For 18" Rung Spacing, Deduct	-1.04	
	For 9" Rung Spacing, Add	1.46	
26 05 36 00-2554	EA 18" Horizontal Tee, Fiberglass Cable Tray.....	159.56	75.76
	For 6" Rung Spacing, Add	6.90	
	For 4" Rung Spacing, Add	12.64	
	For Vented Trough Bottom, Add	32.59	
	For Solid Bottom, Add	30.83	
	For 18" Rung Spacing, Deduct	-1.15	
	For 9" Rung Spacing, Add	1.61	
26 05 36 00-2555	EA 24" Horizontal Tee, Fiberglass Cable Tray.....	167.72	78.93
	For 6" Rung Spacing, Add	7.40	
	For 4" Rung Spacing, Add	13.56	
	For Vented Trough Bottom, Add	34.53	
	For Solid Bottom, Add	32.56	
	For 18" Rung Spacing, Deduct	-1.23	
	For 9" Rung Spacing, Add	1.73	
26 05 36 00-2556	EA 30" Horizontal Tee, Fiberglass Cable Tray.....	179.63	83.46
	For 6" Rung Spacing, Add	8.17	
	For 4" Rung Spacing, Add	14.98	
	For Vented Trough Bottom, Add	37.44	
	For Solid Bottom, Add	35.12	
	For 18" Rung Spacing, Deduct	-1.36	
	For 9" Rung Spacing, Add	1.91	
26 05 36 00-2557	EA 36" Horizontal Tee, Fiberglass Cable Tray.....	194.97	89.91
	For 6" Rung Spacing, Add	9.03	
	For 4" Rung Spacing, Add	16.56	
	For Vented Trough Bottom, Add	40.93	
	For Solid Bottom, Add	38.28	
	For 18" Rung Spacing, Deduct	-1.51	
	For 9" Rung Spacing, Add	2.11	

**26 05 36 00-2558 Horizontal Crosses** (26 05 36 00-2525)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2559	EA		6" Horizontal Cross, Fiberglass Cable Tray .....	174.74	83.46
			For 6" Rung Spacing, Add	7.44	
			For 4" Rung Spacing, Add	13.64	
			For Vented Trough Bottom, Add	35.48	
			For Solid Bottom, Add	33.65	
			For 18" Rung Spacing, Deduct	-1.24	
			For 9" Rung Spacing, Add	1.74	
26 05 36 00-2560	EA		9" Horizontal Cross, Fiberglass Cable Tray .....	185.83	89.91
			For 6" Rung Spacing, Add	7.66	
			For 4" Rung Spacing, Add	14.04	
			For Vented Trough Bottom, Add	37.27	
			For Solid Bottom, Add	35.54	
			For 18" Rung Spacing, Deduct	-1.28	
			For 9" Rung Spacing, Add	1.79	
26 05 36 00-2561	EA		12" Horizontal Cross, Fiberglass Cable Tray .....	196.93	96.36
			For 6" Rung Spacing, Add	7.88	
			For 4" Rung Spacing, Add	14.45	
			For Vented Trough Bottom, Add	39.06	
			For Solid Bottom, Add	37.42	
			For 18" Rung Spacing, Deduct	-1.31	
			For 9" Rung Spacing, Add	1.84	
26 05 36 00-2562	EA		18" Horizontal Cross, Fiberglass Cable Tray .....	210.75	102.71
			For 6" Rung Spacing, Add	8.51	
			For 4" Rung Spacing, Add	15.60	
			For Vented Trough Bottom, Add	41.94	
			For Solid Bottom, Add	40.12	
			For 18" Rung Spacing, Deduct	-1.42	
			For 9" Rung Spacing, Add	1.99	
26 05 36 00-2563	EA		24" Horizontal Cross, Fiberglass Cable Tray .....	223.59	109.16
			For 6" Rung Spacing, Add	8.99	
			For 4" Rung Spacing, Add	16.48	
			For Vented Trough Bottom, Add	44.43	
			For Solid Bottom, Add	42.53	
			For 18" Rung Spacing, Deduct	-1.50	
			For 9" Rung Spacing, Add	2.10	
26 05 36 00-2564	EA		30" Horizontal Cross, Fiberglass Cable Tray .....	238.52	115.61
			For 6" Rung Spacing, Add	9.79	
			For 4" Rung Spacing, Add	17.94	
			For Vented Trough Bottom, Add	47.76	
			For Solid Bottom, Add	45.57	
			For 18" Rung Spacing, Deduct	-1.63	
			For 9" Rung Spacing, Add	2.28	
26 05 36 00-2565	EA		36" Horizontal Cross, Fiberglass Cable Tray .....	257.87	123.88
			For 6" Rung Spacing, Add	10.81	
			For 4" Rung Spacing, Add	19.82	
			For Vented Trough Bottom, Add	52.06	
			For Solid Bottom, Add	49.49	
			For 18" Rung Spacing, Deduct	-1.80	
			For 9" Rung Spacing, Add	2.52	
<b>26 05 36 00-2566</b>			<b>Horizontal Wyes</b> <small>(26 05 36 00-2525)</small>		
26 05 36 00-2567	EA		6" Horizontal Wye, Fiberglass Cable Tray .....	106.98	48.13
			For 6" Rung Spacing, Add	5.22	
			For 4" Rung Spacing, Add	9.57	
			For Vented Trough Bottom, Add	22.94	
			For Solid Bottom, Add	21.27	
			For 18" Rung Spacing, Deduct	-0.87	
			For 9" Rung Spacing, Add	1.22	
26 05 36 00-2568	EA		9" Horizontal Wye, Fiberglass Cable Tray .....	113.21	51.40
			For 6" Rung Spacing, Add	5.43	
			For 4" Rung Spacing, Add	9.96	
			For Vented Trough Bottom, Add	24.11	
			For Solid Bottom, Add	22.41	
			For 18" Rung Spacing, Deduct	-0.91	
			For 9" Rung Spacing, Add	1.27	
26 05 36 00-2569	EA		12" Horizontal Wye, Fiberglass Cable Tray .....	138.66	67.39
			For 6" Rung Spacing, Add	5.64	
			For 4" Rung Spacing, Add	10.33	
			For Vented Trough Bottom, Add	27.67	
			For Solid Bottom, Add	26.44	
			For 18" Rung Spacing, Deduct	-0.94	
			For 9" Rung Spacing, Add	1.32	
26 05 36 00-2570	EA		18" Horizontal Wye, Fiberglass Cable Tray .....	154.95	75.76
			For 6" Rung Spacing, Add	6.20	
			For 4" Rung Spacing, Add	11.37	
			For Vented Trough Bottom, Add	30.74	
			For Solid Bottom, Add	29.45	
			For 18" Rung Spacing, Deduct	-1.03	
			For 9" Rung Spacing, Add	1.45	
26 05 36 00-2571	EA		24" Horizontal Wye, Fiberglass Cable Tray .....	162.69	78.93
			For 6" Rung Spacing, Add	6.64	
			For 4" Rung Spacing, Add	12.18	
			For Vented Trough Bottom, Add	32.52	
			For Solid Bottom, Add	31.05	
			For 18" Rung Spacing, Deduct	-1.11	
			For 9" Rung Spacing, Add	1.55	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-2572	EA 30" Horizontal Wye, Fiberglass Cable Tray.....	174.18	83.46
	For 6" Rung Spacing, Add	7.36	
	For 4" Rung Spacing, Add	13.49	
	For Vented Trough Bottom, Add	35.26	
	For Solid Bottom, Add	33.48	
	For 18" Rung Spacing, Deduct	-1.23	
	For 9" Rung Spacing, Add	1.72	
26 05 36 00-2573	EA 36" Horizontal Wye, Fiberglass Cable Tray.....	188.95	89.91
	For 6" Rung Spacing, Add	8.13	
	For 4" Rung Spacing, Add	14.90	
	For Vented Trough Bottom, Add	38.52	
	For Solid Bottom, Add	36.47	
	For 18" Rung Spacing, Deduct	-1.35	
	For 9" Rung Spacing, Add	1.90	
<b>26 05 36 00-2574</b>	<b>Straight Reducers</b> <small>(26 05 36 00-2525)</small>		
26 05 36 00-2575	EA 9"-6" Reducer, Fiberglass Cable Tray.....	48.58	19.25
	For 6" Rung Spacing, Add	2.96	
	For 4" Rung Spacing, Add	5.42	
	For Vented Trough Bottom, Add	11.49	
	For Solid Bottom, Add	10.24	
	For 18" Rung Spacing, Deduct	-0.49	
	For 9" Rung Spacing, Add	0.69	
26 05 36 00-2576	EA 12"-9" Reducer, Fiberglass Cable Tray.....	53.68	22.43
	For 6" Rung Spacing, Add	3.00	
	For 4" Rung Spacing, Add	5.50	
	For Vented Trough Bottom, Add	12.21	
	For Solid Bottom, Add	11.05	
	For 18" Rung Spacing, Deduct	-0.50	
	For 9" Rung Spacing, Add	0.70	
26 05 36 00-2577	EA 18"-12" Reducer, Fiberglass Cable Tray.....	58.77	25.70
	For 6" Rung Spacing, Add	3.04	
	For 4" Rung Spacing, Add	5.57	
	For Vented Trough Bottom, Add	12.92	
	For Solid Bottom, Add	11.85	
	For 18" Rung Spacing, Deduct	-0.51	
	For 9" Rung Spacing, Add	0.71	
26 05 36 00-2578	EA 24"-18" Reducer, Fiberglass Cable Tray.....	63.32	28.21
	For 6" Rung Spacing, Add	3.14	
	For 4" Rung Spacing, Add	5.76	
	For Vented Trough Bottom, Add	13.68	
	For Solid Bottom, Add	12.64	
	For 18" Rung Spacing, Deduct	-0.52	
	For 9" Rung Spacing, Add	0.73	
26 05 36 00-2579	EA 30"-24" Reducer, Fiberglass Cable Tray.....	70.66	30.81
	For 6" Rung Spacing, Add	3.67	
	For 4" Rung Spacing, Add	6.72	
	For Vented Trough Bottom, Add	15.56	
	For Solid Bottom, Add	14.27	
	For 18" Rung Spacing, Deduct	-0.61	
	For 9" Rung Spacing, Add	0.86	
26 05 36 00-2580	EA 36"-30" Reducer, Fiberglass Cable Tray.....	79.42	34.07
	For 6" Rung Spacing, Add	4.26	
	For 4" Rung Spacing, Add	7.81	
	For Vented Trough Bottom, Add	17.74	
	For Solid Bottom, Add	16.17	
	For 18" Rung Spacing, Deduct	-0.71	
	For 9" Rung Spacing, Add	0.99	
<b>26 05 36 00-2581</b>	<b>Vertical Tees</b> <small>(26 05 36 00-2525)</small>		
26 05 36 00-2582	EA 6" Vertical Tee, Fiberglass Cable Tray.....	146.10	48.13
	For 6" Rung Spacing, Add	11.09	
	For 4" Rung Spacing, Add	20.33	
	For Vented Trough Bottom, Add	38.59	
	For Solid Bottom, Add	33.00	
	For 18" Rung Spacing, Deduct	-1.85	
	For 9" Rung Spacing, Add	2.59	
26 05 36 00-2583	EA 9" Vertical Tee, Fiberglass Cable Tray.....	151.83	51.40
	For 6" Rung Spacing, Add	11.22	
	For 4" Rung Spacing, Add	20.58	
	For Vented Trough Bottom, Add	39.56	
	For Solid Bottom, Add	34.00	
	For 18" Rung Spacing, Deduct	-1.87	
	For 9" Rung Spacing, Add	2.62	
26 05 36 00-2584	EA 12" Vertical Tee, Fiberglass Cable Tray.....	176.80	67.39
	For 6" Rung Spacing, Add	11.36	
	For 4" Rung Spacing, Add	20.83	
	For Vented Trough Bottom, Add	42.93	
	For Solid Bottom, Add	37.88	
	For 18" Rung Spacing, Deduct	-1.89	
	For 9" Rung Spacing, Add	2.65	
26 05 36 00-2585	EA 18" Vertical Tee, Fiberglass Cable Tray.....	191.41	75.76
	For 6" Rung Spacing, Add	11.67	
	For 4" Rung Spacing, Add	21.40	
	For Vented Trough Bottom, Add	45.33	
	For Solid Bottom, Add	40.38	
	For 18" Rung Spacing, Deduct	-1.95	
	For 9" Rung Spacing, Add	2.72	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2586	EA		24" Vertical Tee, Fiberglass Cable Tray.....	198.18	78.93
			For 6" Rung Spacing, Add	11.97	
			For 4" Rung Spacing, Add	21.94	
			For Vented Trough Bottom, Add	46.71	
			For Solid Bottom, Add	41.69	
			For 18" Rung Spacing, Deduct	-1.99	
			For 9" Rung Spacing, Add	2.79	
26 05 36 00-2587	EA		30" Vertical Tee, Fiberglass Cable Tray.....	206.74	83.46
			For 6" Rung Spacing, Add	12.24	
			For 4" Rung Spacing, Add	22.44	
			For Vented Trough Bottom, Add	48.28	
			For Solid Bottom, Add	43.25	
			For 18" Rung Spacing, Deduct	-2.04	
			For 9" Rung Spacing, Add	2.86	
26 05 36 00-2588	EA		36" Vertical Tee, Fiberglass Cable Tray.....	224.92	89.91
			For 6" Rung Spacing, Add	13.52	
			For 4" Rung Spacing, Add	24.79	
			For Vented Trough Bottom, Add	52.91	
			For Solid Bottom, Add	47.26	
			For 18" Rung Spacing, Deduct	-2.25	
			For 9" Rung Spacing, Add	3.16	
<b>26 05 36 00-2589</b>			<b>Flextray™ Cable Tray (26 05 36 00-0001)</b>		
<b>26 05 36 00-2590</b>			<b>Flextray™ Cable Tray Straight Sections (26 05 36 00-2589)</b>		
			Note: Includes splicing and splice bars.		
26 05 36 00-2591	LF		2" Deep x 2" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	21.61	6.07
26 05 36 00-2592	LF		2" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	27.63	6.47
26 05 36 00-2593	LF		2" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	29.05	6.76
26 05 36 00-2594	LF		2" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	30.54	7.10
26 05 36 00-2595	LF		2" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	32.77	7.45
26 05 36 00-2596	LF		2" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	35.30	7.80
26 05 36 00-2597	LF		2" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	36.03	8.14
26 05 36 00-2598	LF		2" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	37.44	8.37
26 05 36 00-2599	LF		2" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	38.21	8.60
26 05 36 00-2600	LF		4" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	28.68	7.12
26 05 36 00-2601	LF		4" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	31.35	7.41
26 05 36 00-2602	LF		4" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	34.12	7.80
26 05 36 00-2603	LF		4" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	36.26	8.18
26 05 36 00-2604	LF		4" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	38.65	8.56
26 05 36 00-2605	LF		4" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	41.89	8.95
26 05 36 00-2606	LF		4" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	44.45	9.25
26 05 36 00-2607	LF		4" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	46.30	9.44
26 05 36 00-2608	LF		4" Deep x 30" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	59.74	10.11
26 05 36 00-2609	LF		6" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	37.96	8.56
26 05 36 00-2610	LF		6" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	43.46	8.95
26 05 36 00-2611	LF		6" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	45.47	9.34
26 05 36 00-2612	LF		6" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	49.15	9.82
26 05 36 00-2613	LF		6" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	50.76	10.01
26 05 36 00-2614	LF		6" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	62.98	10.30
<b>26 05 36 00-2615</b>			<b>Flextray™ Cable Tray Bends (26 05 36 00-2589)</b>		
			Note: Includes field fabricated bend and 90 degree kit.		
26 05 36 00-2616	EA		2" Deep x 2" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	16.22	4.52
			Note: Field Fabricated		
26 05 36 00-2617	EA		2" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	20.73	4.81
			Note: Field Fabricated		
26 05 36 00-2618	EA		2" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	29.05	6.74
			Note: Field Fabricated		
26 05 36 00-2619	EA		2" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	45.86	10.69
			Note: Field Fabricated		
26 05 36 00-2620	EA		2" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	65.56	14.92
			Note: Field Fabricated		
26 05 36 00-2621	EA		2" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	88.27	19.54
			Note: Field Fabricated		
26 05 36 00-2622	EA		2" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	100.23	24.45
			Note: Field Fabricated		
26 05 36 00-2623	EA		2" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	119.33	29.36
			Note: Field Fabricated		
26 05 36 00-2624	EA		2" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	152.88	34.47
			Note: Field Fabricated		
26 05 36 00-2625	EA		4" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	21.47	5.29
			Note: Field Fabricated		
26 05 36 00-2626	EA		4" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	31.38	7.41
			Note: Field Fabricated		
26 05 36 00-2627	EA		4" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	51.16	11.74
			Note: Field Fabricated		
26 05 36 00-2628	EA		4" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	72.54	16.37
			Note: Field Fabricated		
26 05 36 00-2629	EA		4" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	96.58	21.47
			Note: Field Fabricated		
26 05 36 00-2630	EA		4" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	116.22	26.85
			Note: Field Fabricated		
26 05 36 00-2631	EA		4" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	140.99	32.25
			Note: Field Fabricated		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 36 00-2632	EA	4" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish ..... Note: Field Fabricated	185.22		37.84
26 05 36 00-2633	EA	4" Deep x 30" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish ..... Note: Field Fabricated	298.78		50.54
26 05 36 00-2634	EA	6" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish ..... Note: Field Fabricated	56.88		12.81
26 05 36 00-2635	EA	6" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish ..... Note: Field Fabricated	86.96		17.90
26 05 36 00-2636	EA	6" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish ..... Note: Field Fabricated	113.69		23.40
26 05 36 00-2637	EA	6" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish ..... Note: Field Fabricated	135.97		29.36
26 05 36 00-2638	EA	6" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish ..... Note: Field Fabricated	160.64		35.14
26 05 36 00-2639	EA	6" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish ..... Note: Field Fabricated	251.93		41.29
<b>26 05 36 00-2640</b>		<b>Flextray™ Cable Tray Brackets</b> (26 05 36 00-2589)			
26 05 36 00-2641	EA	6" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™ .....	39.88		12.71
26 05 36 00-2642	EA	8" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™ .....	42.96		12.71
26 05 36 00-2643	EA	12" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™ .....	48.23		12.71
26 05 36 00-2644	EA	16" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™ .....	59.74		13.86
26 05 36 00-2645	EA	18" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™ .....	64.34		13.86
26 05 36 00-2646	EA	20" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™ .....	65.88		13.86
26 05 36 00-2647	EA	24" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™ .....	67.24		13.86
<b>26 05 39</b>		<b>Underfloor Raceways for Electrical Systems</b> (26 05)			
<b>26 05 39 00-0001</b>		<b>Underfloor Ducts</b> (26 05 39)			
<b>26 05 39 00-0002</b>		<b>Straight Duct Sections 10' Long, 14 Gauge Steel</b> (26 05 39 00-0001)			
<b>26 05 39 00-0003</b>		<b>Standard Ducts, 3.8 Square Inches</b> (26 05 39 00-0002)			
26 05 39 00-0004	EA	Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches .....	80.99		16.94
26 05 39 00-0005	EA	Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches .....	101.84		19.83
<b>26 05 39 00-0006</b>		<b>Large Capacity Ducts, 8.9 Square Inches</b> (26 05 39 00-0002)			
26 05 39 00-0007	EA	Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches .....	134.41		21.47
26 05 39 00-0008	EA	Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches .....	153.88		23.78
<b>26 05 39 00-0009</b>		<b>Junction Boxes</b> (26 05 39 00-0001)			
<b>26 05 39 00-0010</b>		<b>One Level Junction Boxes</b> (26 05 39 00-0009)			
26 05 39 00-0011	EA	1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box .....	204.96		33.69
26 05 39 00-0012	EA	1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box .....	231.86		36.10
26 05 39 00-0013	EA	1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box .....	371.05		33.69
		Note: Isolate each duct and form a continuous raceway through the box in both directions.			
26 05 39 00-0014	EA	1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box .....	253.53		36.10
26 05 39 00-0015	EA	1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box .....	401.63		47.45
26 05 39 00-0016	EA	1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct .....	562.33		51.59
<b>26 05 39 00-0017</b>		<b>Two Level Junction Boxes</b> (26 05 39 00-0009)			
26 05 39 00-0018	EA	2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level .....	853.22		34.07
		Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.			
26 05 39 00-0019	EA	2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts .....	981.45		36.10
<b>26 05 39 00-0020</b>		<b>Elbow Fittings</b> (26 05 39 00-0001)			
<b>26 05 39 00-0021</b>		<b>90 Degree Horizontal Elbow</b> (26 05 39 00-0020)			
26 05 39 00-0022	EA	Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree .....	99.78		12.41
26 05 39 00-0023	EA	Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree .....	102.76		12.41
<b>26 05 39 00-0024</b>		<b>90 Degree Vertical Elbow</b> (26 05 39 00-0020)			
26 05 39 00-0025	EA	Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree .....	56.46		12.41
26 05 39 00-0026	EA	Underfloor Large Duct Vertical Elbow Fitting, 90 Degree .....	57.65		12.41
<b>26 05 39 00-0027</b>		<b>Offset Elbow</b> (26 05 39 00-0020)			
		Note: Two elbows required for crossover or crossunder.			
26 05 39 00-0028	EA	Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under .....	56.46		14.44
26 05 39 00-0029	EA	Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under .....	57.65		14.44
<b>26 05 39 00-0030</b>		<b>Couplings</b> (26 05 39 00-0001)			
<b>26 05 39 00-0031</b>		<b>Sleeve Couplings</b> (26 05 39 00-0030)			
26 05 39 00-0032	EA	Underfloor Standard Duct Sleeve Coupling .....	36.93		19.25
26 05 39 00-0033	EA	Underfloor Large Duct Sleeve Coupling .....	57.66		19.25

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 05 39 00-0034 Expansion Couplings (26 05 39 00-0030)</b>				
26 05 39 00-0035	EA	Underfloor Standard Duct Expansion Coupling.....	81.18	19.25
26 05 39 00-0036	EA	Underfloor Large Duct Expansion Coupling.....	82.66	20.31
<b>26 05 39 00-0037 Reducing Couplings (26 05 39 00-0030)</b>				
26 05 39 00-0038	EA	Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling .....	76.71	2.89
<b>26 05 39 00-0039 Duct Supports (26 05 39 00-0001)</b>				
<b>26 05 39 00-0040 Combination Support And Coupling (26 05 39 00-0039)</b>				
Note: Includes leveling legs and anchoring feet.				
26 05 39 00-0041	EA	1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	84.81	40.43
26 05 39 00-0042	EA	2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	94.65	40.43
26 05 39 00-0043	EA	3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	104.57	40.43
26 05 39 00-0044	EA	1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	94.65	45.25
26 05 39 00-0045	EA	2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	114.71	45.25
26 05 39 00-0046	EA	1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	104.57	48.13
26 05 39 00-0047	EA	2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	104.57	48.13
26 05 39 00-0048	EA	1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	114.71	48.13
<b>26 05 39 00-0049 Duct Support Only (26 05 39 00-0039)</b>				
Note: Includes leveling legs and anchoring feet.				
26 05 39 00-0050	EA	1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet .....	76.28	35.62
26 05 39 00-0051	EA	2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet .....	89.70	35.62
26 05 39 00-0052	EA	3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	104.08	35.62
<b>26 05 39 00-0053 Underfloor Duct Accessories (26 05 39 00-0001)</b>				
<b>26 05 39 00-0054 Plugs For Unused Junction Box Openings And Duct Ends (26 05 39 00-0053)</b>				
26 05 39 00-0055	EA	Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends .....	24.76	2.89
26 05 39 00-0056	EA	Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends.....	25.27	2.89
<b>26 05 39 00-0057 Conduit Adapters (26 05 39 00-0053)</b>				
26 05 39 00-0058	EA	One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter .....	29.68	4.81
26 05 39 00-0059	EA	Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter .....	31.58	4.81
26 05 39 00-0060	EA	One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter.....	30.68	4.81
26 05 39 00-0061	EA	Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter .....	31.69	4.81
<b>26 05 39 00-0062 Holders And Caps (26 05 39 00-0053)</b>				
26 05 39 00-0063	EA	Tile Holder, Underfloor Duct Accessories .....	193.60	40.43
26 05 39 00-0064	EA	Terrazzo Holder, Underfloor Duct Accessories .....	365.24	40.43
26 05 39 00-0065	EA	Closing Caps For Inserts, Underfloor Duct Accessories .....	2.53	0.96
<b>26 05 39 00-0066 Underfloor Dust Pans (26 05 39 00-0001)</b>				
26 05 39 00-0067	EA	Underfloor Dust Carpet Pan.....	82.63	5.28

**26 05 43 Underground Ducts and Raceways for Electrical Systems (26 05)**

Note: Underground utilities and conduits include warning tape.

<b>26 05 43 00-0001 Precast Concrete Trenches, One Piece Pedestrian Trench (26 05 43)</b>				
Note: Rated for 200 PSF Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.				
<b>26 05 43 00-0002 10" Wide Pedestrian Trench (26 05 43 00-0001)</b>				
26 05 43 00-0003	LF	Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench .....	65.34	
26 05 43 00-0004	LF	Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench.....	62.64	
26 05 43 00-0005	LF	Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench .....	90.74	
26 05 43 00-0006	LF	Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench.....	86.99	
26 05 43 00-0007	EA	End Wall, 10" Wide x 15" Deep Pedestrian Trench .....	45.36	
26 05 43 00-0008	EA	End Wall, 10" Wide x 24" Deep Pedestrian Trench .....	54.45	
26 05 43 00-0009	LF	Lid, Concrete, 10" Wide Pedestrian Trench .....	43.56	
<b>26 05 43 00-0010 20" Wide Pedestrian Trench (26 05 43 00-0001)</b>				
26 05 43 00-0011	LF	Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench .....	83.24	
26 05 43 00-0012	LF	Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench.....	78.47	
26 05 43 00-0013	LF	Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench .....	113.21	
26 05 43 00-0014	LF	Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench.....	108.86	
26 05 43 00-0015	EA	End Wall, 20" Wide x 15" Deep Pedestrian Trench .....	57.22	
26 05 43 00-0016	EA	End Wall, 20" Wide x 24" Deep Pedestrian Trench .....	83.30	
26 05 43 00-0017	LF	Lid, Concrete, 20" Wide Pedestrian Trench .....	54.47	
<b>26 05 43 00-0018 30" Wide Pedestrian Trench (26 05 43 00-0001)</b>				
26 05 43 00-0019	LF	Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench .....	107.43	
26 05 43 00-0020	LF	Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench.....	124.91	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 43 Underground Ducts and Raceways for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 43 00-0021	LF	Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench.....		134.15	
26 05 43 00-0022	LF	Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench.....		129.20	
26 05 43 00-0023	EA	End Wall, 30" Wide x 15" Deep Pedestrian Trench.....		82.45	
26 05 43 00-0024	EA	End Wall, 30" Wide x 24" Deep Pedestrian Trench.....		110.80	
26 05 43 00-0025	LF	Lid, Concrete, 30" Wide Pedestrian Trench.....		67.86	
<b>26 05 43 00-0026</b>		<b>40" Wide Pedestrian Trench (26 05 43 00-0001)</b>			
26 05 43 00-0027	LF	Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench.....		129.30	
26 05 43 00-0028	LF	Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench.....		124.79	
26 05 43 00-0029	LF	Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench.....		158.17	
26 05 43 00-0030	LF	Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench.....		152.66	
26 05 43 00-0031	EA	End Wall, 40" Wide x 15" Deep Pedestrian Trench.....		105.52	
26 05 43 00-0032	EA	End Wall, 40" Wide x 24" Deep Pedestrian Trench.....		141.69	
26 05 43 00-0033	LF	Lid, Concrete, 40" Wide Pedestrian Trench.....		80.44	
<b>26 05 43 00-0034</b>		<b>Precast Concrete Trenches, One Piece Medium Vehicle Trench (26 05 43)</b>			
		Note: Rated for 7000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.			
<b>26 05 43 00-0035</b>		<b>10" Wide Medium Vehicle Trench (26 05 43 00-0034)</b>			
26 05 43 00-0036	LF	Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench.....		78.59	
26 05 43 00-0037	LF	Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench.....		75.09	
26 05 43 00-0038	LF	Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench.....		109.11	
26 05 43 00-0039	LF	Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench.....		104.28	
26 05 43 00-0040	EA	End Wall, 10" Wide x 15" Deep Medium Vehicle Trench.....		52.72	
26 05 43 00-0041	EA	End Wall, 10" Wide x 24" Deep Medium Vehicle Trench.....		62.17	
26 05 43 00-0042	LF	Lid, Concrete 10" Wide Medium Vehicle Trench.....		52.40	
26 05 43 00-0043	LF	Lid, Galvanized Steel 10" Wide Medium Vehicle Trench.....		224.29	
<b>26 05 43 00-0044</b>		<b>20" Wide Medium Vehicle Trench (26 05 43 00-0034)</b>			
26 05 43 00-0045	LF	Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench.....		99.41	
26 05 43 00-0046	LF	Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench.....		93.26	
26 05 43 00-0047	LF	Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench.....		134.53	
26 05 43 00-0048	LF	Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench.....		128.91	
26 05 43 00-0049	EA	End Wall, 20" Wide x 15" Deep Medium Vehicle Trench.....		65.74	
26 05 43 00-0050	EA	End Wall, 20" Wide x 24" Deep Medium Vehicle Trench.....		95.84	
26 05 43 00-0051	LF	Lid, Concrete 20" Wide Medium Vehicle Trench.....		65.51	
26 05 43 00-0052	LF	Lid, Galvanized Steel 20" Wide Medium Vehicle Trench.....		297.31	
<b>26 05 43 00-0053</b>		<b>30" Wide Medium Vehicle Trench (26 05 43 00-0034)</b>			
26 05 43 00-0054	LF	Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench.....		102.52	
26 05 43 00-0055	LF	Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench.....		121.50	
26 05 43 00-0056	LF	Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench.....		158.42	
26 05 43 00-0057	LF	Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench.....		152.01	
26 05 43 00-0058	EA	End Wall, 30" Wide x 15" Deep Medium Vehicle Trench.....		94.20	
26 05 43 00-0059	EA	End Wall, 30" Wide x 24" Deep Medium Vehicle Trench.....		128.20	
26 05 43 00-0060	LF	Lid, Concrete 30" Wide Medium Vehicle Trench.....		81.84	
26 05 43 00-0061	LF	Lid, Galvanized Steel 30" Wide Medium Vehicle Trench.....		371.04	
<b>26 05 43 00-0062</b>		<b>40" Wide Medium Vehicle Trench (26 05 43 00-0034)</b>			
26 05 43 00-0063	LF	Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench.....		151.35	
26 05 43 00-0064	LF	Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench.....		145.53	
26 05 43 00-0065	LF	Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench.....		185.22	
26 05 43 00-0066	LF	Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench.....		178.09	
26 05 43 00-0067	EA	End Wall, 40" Wide x 15" Deep Medium Vehicle Trench.....		120.58	
26 05 43 00-0068	EA	End Wall, 40" Wide x 24" Deep Medium Vehicle Trench.....		163.90	
26 05 43 00-0069	LF	Lid, Concrete 40" Wide Medium Vehicle Trench.....		96.61	
26 05 43 00-0070	LF	Lid, Galvanized Steel 40" Wide Medium Vehicle Trench.....		504.17	
<b>26 05 43 00-0071</b>		<b>Precast Concrete Trenches, One Piece H20 Road Crossing Trench (26 05 43)</b>			
		Note: H20 Rated for 32000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.			
<b>26 05 43 00-0072</b>		<b>10" Wide H20 Road Crossing Trench (26 05 43 00-0071)</b>			
26 05 43 00-0073	LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench.....		165.92	
26 05 43 00-0074	LF	Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench.....		158.07	
26 05 43 00-0075	LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench.....		207.76	
26 05 43 00-0076	LF	Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench.....		197.85	
26 05 43 00-0077	LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench.....		159.46	
26 05 43 00-0078	LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench.....		151.98	
26 05 43 00-0079	LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench.....		201.29	
26 05 43 00-0080	LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench.....		191.79	
26 05 43 00-0081	EA	End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench.....		110.93	
26 05 43 00-0082	EA	End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench.....		150.26	
26 05 43 00-0083	EA	End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench.....		100.67	
26 05 43 00-0084	EA	End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench.....		139.78	
26 05 43 00-0085	LF	Lid, Concrete 10" Wide Road Crossing Trench.....		77.31	
26 05 43 00-0086	LF	Lid, Galvanized Steel 10" Wide Road Crossing Trench.....		243.25	
<b>26 05 43 00-0087</b>		<b>20" Wide H20 Road Crossing Trench (26 05 43 00-0071)</b>			

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI UOM		UNIT COST	UNIT COST

26 05 43 00-0088	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench .....	177.05
26 05 43 00-0089	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench.....	169.00
26 05 43 00-0090	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench .....	234.80
26 05 43 00-0091	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench.....	224.03
26 05 43 00-0092	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench.....	177.05
26 05 43 00-0093	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench .....	169.00
26 05 43 00-0094	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench .....	228.33
26 05 43 00-0095	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench .....	217.96
26 05 43 00-0096	EA	End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench.....	158.29
26 05 43 00-0097	EA	End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench.....	215.82
26 05 43 00-0098	EA	End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench .....	143.35
26 05 43 00-0099	EA	End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench .....	200.88
26 05 43 00-0100	LF	Lid, Concrete 20" Wide Road Crossing Trench.....	86.52
26 05 43 00-0101	LF	Lid, Galvanized Steel 20" Wide Road Crossing Trench .....	360.43

**26 05 43 00-0102 30" Wide H20 Road Crossing Trench** (26 05 43 00-0071)

26 05 43 00-0103	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench .....	210.64
26 05 43 00-0104	LF	Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench.....	201.43
26 05 43 00-0105	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench .....	260.29
26 05 43 00-0106	LF	Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench.....	248.85
26 05 43 00-0107	LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench .....	204.17
26 05 43 00-0108	LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench .....	195.34
26 05 43 00-0109	LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench .....	253.82
26 05 43 00-0110	LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench .....	242.56
26 05 43 00-0111	EA	End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench.....	211.96
26 05 43 00-0112	EA	End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench.....	279.85
26 05 43 00-0113	EA	End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench .....	192.33
26 05 43 00-0114	EA	End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench .....	260.22
26 05 43 00-0115	LF	Lid, Concrete 30" Wide Road Crossing Trench .....	109.32
26 05 43 00-0116	LF	Lid, Galvanized Steel 30" Wide Road Crossing Trench .....	451.84

**26 05 43 00-0117 40" Wide H20 Road Crossing Trench** (26 05 43 00-0071)

26 05 43 00-0118	LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench .....	233.83
26 05 43 00-0119	LF	Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench.....	223.92
26 05 43 00-0120	LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench .....	287.75
26 05 43 00-0121	LF	Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench.....	275.32
26 05 43 00-0122	LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench .....	227.36
26 05 43 00-0123	LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench .....	217.86
26 05 43 00-0124	LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench .....	281.28
26 05 43 00-0125	LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench .....	269.24
26 05 43 00-0126	EA	End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench.....	263.31
26 05 43 00-0127	EA	End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench.....	347.45
26 05 43 00-0128	EA	End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench .....	239.22
26 05 43 00-0129	EA	End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench .....	323.36
26 05 43 00-0130	LF	Lid, Concrete 40" Wide Road Crossing Trench.....	132.19
26 05 43 00-0131	LF	Lid, Galvanized Steel 40" Wide Road Crossing Trench .....	614.12

**26 05 43 00-0132 Duct Bank** (26 05 43)

Note: Installation of single or multiple configuration underground utility raceways to have 3" concrete leveling base and encased in concrete envelope. Based on 100' run, minimum 30" bury depth. Labor units include material handling, unloading at job site, layout of job, measuring, cutting and fabrication, installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.

**26 05 43 00-0133 Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank** (26 05 43 00-0132)

Note: Includes appropriate spacers and fittings.

26 05 43 00-0134	LF	2 At 2", Rigid Galvanized Conduit Duct Bank .....	31.19
26 05 43 00-0135	LF	4 At 2", Rigid Galvanized Conduit Duct Bank .....	62.41
26 05 43 00-0136	LF	2 At 3", Rigid Galvanized Conduit Duct Bank .....	64.74
26 05 43 00-0137	LF	4 At 3", Rigid Galvanized Conduit Duct Bank .....	129.86
26 05 43 00-0138	LF	2 At 4", Rigid Galvanized Conduit Duct Bank .....	95.39
26 05 43 00-0139	LF	4 At 4", Rigid Galvanized Conduit Duct Bank .....	191.68
26 05 43 00-0140	LF	6 At 4", Rigid Galvanized Conduit Duct Bank .....	287.79
26 05 43 00-0141	LF	2 At 5", Rigid Galvanized Conduit Duct Bank .....	181.85
26 05 43 00-0142	LF	4 At 5", Rigid Galvanized Conduit Duct Bank .....	362.82
26 05 43 00-0143	LF	6 At 5", Rigid Galvanized Conduit Duct Bank .....	557.05
26 05 43 00-0144	LF	2 At 6", Rigid Galvanized Conduit Duct Bank .....	258.15
26 05 43 00-0145	LF	4 At 6", Rigid Galvanized Conduit Duct Bank .....	518.24
26 05 43 00-0146	LF	6 At 6", Rigid Galvanized Conduit Duct Bank .....	772.04

**26 05 43 00-0147 Polyvinyl Chloride (PVC), Type EB Duct Bank System** (26 05 43 00-0132)

Note: Includes appropriate spacers and fittings.

26 05 43 00-0148	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	6.25
26 05 43 00-0149	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	13.73
26 05 43 00-0150	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	26.36
26 05 43 00-0151	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	8.28
26 05 43 00-0152	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	16.52
26 05 43 00-0153	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	33.58
26 05 43 00-0154	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	11.08

**26 Electrical****26 05 Common Work Results for Electrical****26 05 43 Underground Ducts and Raceways for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 43 00-0155	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	22.17	
26 05 43 00-0156	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	44.39	
26 05 43 00-0157	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	66.57	
26 05 43 00-0158	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	14.02	
26 05 43 00-0159	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	28.02	
26 05 43 00-0160	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	54.26	
26 05 43 00-0161	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	76.98	
26 05 43 00-0162	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	24.85	
26 05 43 00-0163	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	37.98	
26 05 43 00-0164	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	76.12	
26 05 43 00-0165	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	122.99	

**26 05 43 00-0166 Polyvinyl Chloride (PVC), Type DB Duct Bank System (26 05 43 00-0132)**

Note: Includes appropriate spacers and fittings.

26 05 43 00-0167	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	6.95	
26 05 43 00-0168	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	15.17	
26 05 43 00-0169	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	29.05	
26 05 43 00-0170	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	8.60	
26 05 43 00-0171	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	17.18	
26 05 43 00-0172	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	34.25	
26 05 43 00-0173	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	11.35	
26 05 43 00-0174	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	22.72	
26 05 43 00-0175	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	45.48	
26 05 43 00-0176	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	68.20	
26 05 43 00-0177	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	14.43	
26 05 43 00-0178	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	28.84	
26 05 43 00-0179	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	55.90	
26 05 43 00-0180	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	79.45	
26 05 43 00-0181	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	25.42	
26 05 43 00-0182	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	39.16	
26 05 43 00-0183	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	78.48	
26 05 43 00-0184	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	126.53	

**26 05 43 00-0185 Male Or Female Adapters (26 05 43 00-0132)**

26 05 43 00-0186	EA	2" Adapter	34.39	
26 05 43 00-0187	EA	3" Adapter	51.25	
26 05 43 00-0188	EA	4" Adapter	66.81	
26 05 43 00-0189	EA	5" Adapter	107.39	
26 05 43 00-0190	EA	6" Adapter	131.65	

**26 05 46 Utility Poles for Electrical Systems (26 05)****26 05 46 00-0001 Wood Poles (26 05 46)****26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 LB Retention (26 05 46 00-0001)**

Note: Machine dig and set.

26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set	832.92	261.51
		<i>For Class 4 Pole, Deduct</i>	-30.98	
		<i>For Class 2 Pole, Add</i>	61.96	
		<i>For Class 1 Pole, Add</i>	108.43	
		<i>For Class 5 Pole, Deduct</i>	-92.94	
		<i>For Class 6 Pole, Deduct</i>	-123.92	
26 05 46 00-0004	EA	30' Treated Wood Pole, Class 3, Machine Dig And Set	1,000.97	290.14
		<i>For Class 4 Pole, Deduct</i>	-42.06	
		<i>For Class 2 Pole, Add</i>	84.13	
		<i>For Class 1 Pole, Add</i>	147.22	
		<i>For Class 5 Pole, Deduct</i>	-126.19	
		<i>For Class 6 Pole, Deduct</i>	-168.26	
26 05 46 00-0005	EA	35' Treated Wood Pole, Class 3, Machine Dig And Set	1,296.31	383.74
		<i>For Class 4 Pole, Deduct</i>	-52.89	
		<i>For Class 2 Pole, Add</i>	105.79	
		<i>For Class 1 Pole, Add</i>	185.13	
		<i>For Class 5 Pole, Deduct</i>	-158.68	
		<i>For Class 6 Pole, Deduct</i>	-211.58	
26 05 46 00-0006	EA	40' Treated Wood Pole, Class 3, Machine Dig And Set	1,486.40	422.06
		<i>For Class 4 Pole, Deduct</i>	-64.23	
		<i>For Class 2 Pole, Add</i>	128.46	
		<i>For Class 1 Pole, Add</i>	224.80	
		<i>For Class 5 Pole, Deduct</i>	-192.69	
		<i>For Class 6 Pole, Deduct</i>	-256.92	
26 05 46 00-0007	EA	45' Treated Wood Pole, Class 3, Machine Dig And Set	1,700.94	470.08
		<i>For Class 4 Pole, Deduct</i>	-76.07	
		<i>For Class 2 Pole, Add</i>	152.13	
		<i>For Class 1 Pole, Add</i>	266.23	
		<i>For Class 5 Pole, Deduct</i>	-228.20	
		<i>For Class 6 Pole, Deduct</i>	-304.27	
26 05 46 00-0008	EA	50' Treated Wood Pole, Class 3, Machine Dig And Set	1,936.70	527.58
		<i>For Class 4 Pole, Deduct</i>	-88.16	
		<i>For Class 2 Pole, Add</i>	176.31	
		<i>For Class 1 Pole, Add</i>	308.55	
		<i>For Class 5 Pole, Deduct</i>	-264.47	
		<i>For Class 6 Pole, Deduct</i>	-352.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0009	EA		55' Treated Wood Pole, Class 3, Machine Dig And Set..... <i>For Class 4 Pole, Deduct</i> <i>For Class 2 Pole, Add</i> <i>For Class 1 Pole, Add</i> <i>For Class 5 Pole, Deduct</i> <i>For Class 6 Pole, Deduct</i>	2,168.15 -100.75 201.50 352.63 -302.25 -403.00	580.29
26 05 46 00-0010	EA		60' Treated Wood Pole, Class 3, Machine Dig And Set..... <i>For Class 4 Pole, Deduct</i> <i>For Class 2 Pole, Add</i> <i>For Class 1 Pole, Add</i> <i>For Class 5 Pole, Deduct</i> <i>For Class 6 Pole, Deduct</i>	2,424.87 -114.86 229.71 402.00 -344.57 -459.42	638.11
26 05 46 00-0011	EA		65' Treated Wood Pole, Class 3, Machine Dig And Set..... <i>For Class 4 Pole, Deduct</i> <i>For Class 2 Pole, Add</i> <i>For Class 1 Pole, Add</i> <i>For Class 5 Pole, Deduct</i> <i>For Class 6 Pole, Deduct</i>	4,037.52 -264.65 529.30 926.27 -793.95 -1,058.60	695.49
26 05 46 00-0012	EA		70' Treated Wood Pole, Class 3, Machine Dig And Set..... <i>For Class 4 Pole, Deduct</i> <i>For Class 2 Pole, Add</i> <i>For Class 1 Pole, Add</i> <i>For Class 5 Pole, Deduct</i> <i>For Class 6 Pole, Deduct</i>	4,438.38 -295.87 591.73 1,035.53 -887.60 -1,183.47	739.84
26 05 46 00-0013	EA		75' Treated Wood Pole, Class 3, Machine Dig And Set..... <i>For Class 4 Pole, Deduct</i> <i>For Class 2 Pole, Add</i> <i>For Class 1 Pole, Add</i> <i>For Class 5 Pole, Deduct</i> <i>For Class 6 Pole, Deduct</i>	4,883.24 -330.28 660.56 1,155.98 -990.84 -1,321.12	790.20
26 05 46 00-0014			<b>Removal And Relocation Of Wood Poles With Cross Arm</b> <small>(26 05 46 00-0001)</small>		
26 05 46 00-0015	LF		Removal And Relocation Of Up To 75' Wood Pole With Cross Arms .....	22.28	
26 05 46 00-0016			<b>Crossarms</b> <small>(26 05 46)</small> Note: Includes hardware and braces.		
26 05 46 00-0017			<b>Wood Single Arm Crossarms</b> <small>(26 05 46 00-0016)</small>		
26 05 46 00-0018	EA		3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces .....	194.95	78.00
26 05 46 00-0019	EA		3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces .....	235.27	78.00
26 05 46 00-0020	EA		3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces .....	246.78	100.28
26 05 46 00-0021			<b>Wood Double Arm Crossarms</b> <small>(26 05 46 00-0016)</small>		
26 05 46 00-0022	EA		3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces.....	500.70	217.27
26 05 46 00-0023	EA		3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	533.53	217.27
26 05 46 00-0024	EA		3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	555.01	217.27
26 05 46 00-0025			<b>Fiberglass Crossarms</b> <small>(26 05 46 00-0016)</small> Note: Includes hardware.		
26 05 46 00-0026			<b>Single Phase, 15 Degree Angle</b> <small>(26 05 46 00-0025)</small>		
26 05 46 00-0027	EA		Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB.....	195.26	
26 05 46 00-0028	EA		Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB.....	249.62	46.80
26 05 46 00-0029	EA		Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB.....	260.75	50.14
26 05 46 00-0030			<b>Two Phase, 15 Degree Angle</b> <small>(26 05 46 00-0025)</small>		
26 05 46 00-0031	EA		Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB.....	312.35	60.17
26 05 46 00-0032			<b>Fiberglass Crossarm Accessories</b> <small>(26 05 46 00-0025)</small>		
26 05 46 00-0033	EA		Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor .....	503.93	76.88
26 05 46 00-0034	EA		Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor .....	598.40	93.60
26 05 46 00-0035	EA		Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded .....	87.64	13.37
26 05 46 00-0036	EA		Three Phase Equipment Mounting Bracket.....	438.21	66.85
26 05 46 00-0037	EA		Fiberglass Bull Horn Crossarm .....	352.06	111.42
26 05 46 00-0038			<b>Insulator Support System</b> <small>(26 05 46 00-0016)</small>		
26 05 46 00-0039			<b>Epoxy Construction Units, In Place Mounting</b> <small>(26 05 46 00-0038)</small> Note: Includes hardware.		
26 05 46 00-0040	EA		1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting .....	105.82	
26 05 46 00-0041	EA		1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting .....	85.04	
26 05 46 00-0042	EA		Deadend Arms, In Place Mounting .....	234.28	
26 05 46 00-0043	EA		1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting .....	166.59	
26 05 46 00-0044			<b>Epoxy Construction Units, Grounding Mounting</b> <small>(26 05 46 00-0038)</small> Note: Includes hardware.		
26 05 46 00-0045	EA		1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting.....	73.57	
26 05 46 00-0046	EA		1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting .....	63.55	
26 05 46 00-0047	EA		Deadend Arms, Grounding Mounting.....	212.79	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 46 Utility Poles for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 46 00-0048		<b>Guying</b> <small>(26 05 46)</small>			
		Note: Includes cable, anchor and rod assembly, guy marker.			
26 05 46 00-0049		<b>Down Guy</b> <small>(26 05 46 00-0048)</small>			
26 05 46 00-0050	EA	Down Guy For 25' To 40' Pole .....	752.82		311.98
26 05 46 00-0051	EA	Down Guy For 45' To 60' Pole .....	765.15		311.98
26 05 46 00-0052	EA	Down Guy For 65' To 75' Pole .....	790.51		311.98
26 05 46 00-0053	EA	Guy Guard, Plastic .....	28.20		
26 05 46 00-0054		<b>Head Guy, 50' Spans</b> <small>(26 05 46 00-0048)</small>			
26 05 46 00-0055	EA	Head Guy (50' Span), For 25' To 40' Pole .....	1,093.98		479.11
26 05 46 00-0056	EA	Head Guy (50' Span), For 45' To 60' Pole .....	1,093.98		479.11
26 05 46 00-0057	EA	Head Guy (50' Span), For 65' To 75' Pole .....	1,093.98		479.11
26 05 46 00-0058		<b>Guy Strain Insulators Additional Insulators</b> <small>(26 05 46 00-0048)</small>			
		Note: As required at same material cost and labor.			
26 05 46 00-0059	EA	Guy Strain Insulator .....	472.03		233.98
26 05 46 00-0060		<b>Insulators</b> <small>(26 05 46)</small>			
26 05 46 00-0061		<b>Pin Insulator With Pin</b> <small>(26 05 46 00-0060)</small>			
26 05 46 00-0062	EA	5 KV Class 55-3, Pin Insulator With Pin .....	153.20		66.85
26 05 46 00-0063	EA	15 KV Class 55-5, Pin Insulator With Pin .....	159.68		66.85
26 05 46 00-0064		<b>Suspension Insulator</b> <small>(26 05 46 00-0060)</small>			
		Note: Includes clevis and strain clamp.			
26 05 46 00-0065	EA	5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp .....	197.71		89.13
26 05 46 00-0066	EA	15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp .....	215.34		89.13
26 05 46 00-0067	EA	25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp .....	308.37		111.42
26 05 46 00-0068	EA	50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp .....	497.18		178.28
26 05 46 00-0069		<b>Spool Insulator With Clevis</b> <small>(26 05 46 00-0060)</small>			
26 05 46 00-0070	EA	5 KV Class 53-5, Spool Insulator With Clevis .....	65.83		27.86
26 05 46 00-0071	EA	15 KV Class, Spool Insulator With Clevis .....	213.16		100.28
26 05 46 00-0072	EA	25 KV Class, Spool Insulator With Clevis .....	275.87		100.28
26 05 46 00-0073		<b>Secondary Rack</b> <small>(26 05 46 00-0060)</small>			
26 05 46 00-0074	EA	1 Spool Secondary Rack .....	130.40		55.71
26 05 46 00-0075	EA	2 Spool Secondary Rack .....	136.10		71.09
26 05 46 00-0076	EA	3 Spool Secondary Rack .....	203.51		94.71
26 05 46 00-0077	EA	4 Spool Secondary Rack .....	227.91		94.71
26 05 46 00-0078		<b>Outdoor Load Break Switches</b> <small>(26 05 46)</small>			
		Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.			
26 05 46 00-0079		<b>7.2 KV Outdoor Load Break Switches</b> <small>(26 05 46 00-0078)</small>			
26 05 46 00-0080	EA	600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	3,920.08		378.83
26 05 46 00-0081	EA	1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	7,684.84		378.83
26 05 46 00-0082	EA	1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	11,446.35		640.67
26 05 46 00-0083	EA	2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	11,676.74		640.67
26 05 46 00-0084		<b>14.4 KV Outdoor Load Break Switches</b> <small>(26 05 46 00-0078)</small>			
26 05 46 00-0085	EA	600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	4,790.81		378.83
26 05 46 00-0086	EA	1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	9,082.24		378.83
26 05 46 00-0087	EA	1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	11,446.35		640.67
26 05 46 00-0088	EA	2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	11,676.74		640.67
26 05 46 00-0089		<b>23 KV Outdoor Load Break Switches</b> <small>(26 05 46 00-0078)</small>			
26 05 46 00-0090	EA	600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	5,282.56		440.12
26 05 46 00-0091	EA	1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	9,937.89		440.12
26 05 46 00-0092	EA	1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	11,959.65		757.66
26 05 46 00-0093	EA	2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	12,197.59		757.66
26 05 46 00-0094		<b>Square Distribution Poles</b> <small>(26 05 46)</small>			
26 05 46 00-0095		<b>Square Steel Tapered Shaft Distribution Poles</b> <small>(26 05 46 00-0094)</small>			
26 05 46 00-0096	EA	20', Steel Taped Shaft Distribution Pole .....	2,670.47		473.54
26 05 46 00-0097	EA	25', Steel Taped Shaft Distribution Pole .....	2,987.01		501.40
26 05 46 00-0098	EA	30', Steel Taped Shaft Distribution Pole .....	3,243.62		557.11
26 05 46 00-0099	EA	35', Steel Taped Shaft Distribution Pole .....	3,588.27		612.82
26 05 46 00-0100	EA	40', Steel Taped Shaft Distribution Pole .....	4,830.24		668.53



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 05 46 00-0101</b>	<b>Square Prestressed Concrete Distribution Poles</b> <small>(26 05 46 00-0094)</small>		
26 05 46 00-0102	EA 30', Prestressed Concrete Square Pole For Distribution	4,279.58	826.35
26 05 46 00-0103	EA 35', Prestressed Concrete Square Pole For Distribution	4,842.50	906.31
26 05 46 00-0104	EA 40', Prestressed Concrete Square Pole For Distribution	5,688.46	1,012.94
26 05 46 00-0105	EA 45', Prestressed Concrete Square Pole For Distribution	6,411.42	1,119.56
26 05 46 00-0106	EA 50', Prestressed Concrete Square Pole For Distribution	4,665.63	1,359.47
26 05 46 00-0107	EA 55', Prestressed Concrete Square Pole For Distribution	9,044.61	1,599.37
26 05 46 00-0108	EA 60', Prestressed Concrete Square Pole For Distribution	10,679.18	1,812.63
26 05 46 00-0109	EA 65', Prestressed Concrete Square Pole For Distribution	12,885.28	2,239.12
26 05 46 00-0110	EA 70', Prestressed Concrete Square Pole For Distribution	14,437.81	2,452.37

<b>26 05 46 00-0111</b>	<b>Aluminum Tapered Poles</b> <small>(26 05 46)</small>		
<b>26 05 46 00-0112</b>	<b>Aluminum Tapered Round Seamless Shaft Poles</b> <small>(26 05 46 00-0111)</small>		
26 05 46 00-0113	EA 20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	2,387.65	417.84
26 05 46 00-0114	EA 25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,297.66	445.68
26 05 46 00-0115	EA 30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,788.51	501.40
26 05 46 00-0116	EA 35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	4,479.91	557.11
26 05 46 00-0117	EA 40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	6,695.88	612.82

<b>26 05 46 00-0118</b>	<b>Steel Service Poles Distribution</b> <small>(26 05 46)</small>		
Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.			
<b>26 05 46 00-0119</b>	<b>Round Tapered Pole</b> <small>(26 05 46 00-0118)</small>		
26 05 46 00-0120	EA 40', Galvanized Steel Tapered Round Pole For Distribution	3,385.60	668.53
26 05 46 00-0121	EA 45', Galvanized Steel Tapered Round Pole For Distribution	3,909.80	724.24
26 05 46 00-0122	EA 50', Galvanized Steel Tapered Round Pole For Distribution	4,169.48	779.96
26 05 46 00-0123	EA 55', Galvanized Steel Tapered Round Pole For Distribution	4,898.31	891.37
26 05 46 00-0124	EA 60', Galvanized Steel Tapered Round Pole For Distribution	6,013.32	1,002.79
26 05 46 00-0125	EA 65', Galvanized Steel Tapered Round Pole For Distribution	7,101.29	1,252.84
26 05 46 00-0126	EA 70', Galvanized Steel Tapered Round Pole For Distribution	7,917.25	1,421.31
26 05 46 00-0127	EA 75', Galvanized Steel Tapered Round Pole For Distribution	8,759.01	1,599.37
26 05 46 00-0128	EA 80', Galvanized Steel Tapered Round Pole For Distribution	9,843.90	1,812.63
26 05 46 00-0129	EA 85', Galvanized Steel Tapered Round Pole For Distribution	10,514.19	1,919.25
26 05 46 00-0130	EA 90', Galvanized Steel Tapered Round Pole For Distribution	11,433.32	2,132.50
26 05 46 00-0131	EA 95', Galvanized Steel Tapered Round Pole For Distribution	12,581.89	2,399.06
26 05 46 00-0132	EA 100', Galvanized Steel Tapered Round Pole For Distribution	13,928.78	2,718.93

<b>26 05 46 00-0133</b>	<b>12 Sided Tapered</b> <small>(26 05 46 00-0118)</small>		
26 05 46 00-0134	EA 40', Galvanized Steel Tapered 12 Sided Pole For Distribution	5,581.26	668.53
26 05 46 00-0135	EA 45', Galvanized Steel Tapered 12 Sided Pole For Distribution	6,153.03	724.24
26 05 46 00-0136	EA 50', Galvanized Steel Tapered 12 Sided Pole For Distribution	6,804.38	779.96
26 05 46 00-0137	EA 55', Galvanized Steel Tapered 12 Sided Pole For Distribution	7,491.62	891.37
26 05 46 00-0138	EA 60', Galvanized Steel Tapered 12 Sided Pole For Distribution	9,876.61	1,002.79
26 05 46 00-0139	EA 65', Galvanized Steel Tapered 12 Sided Pole For Distribution	10,988.33	1,252.84
26 05 46 00-0140	EA 70', Galvanized Steel Tapered 12 Sided Pole For Distribution	12,718.17	1,421.31
26 05 46 00-0141	EA 75', Galvanized Steel Tapered 12 Sided Pole For Distribution	13,711.25	1,599.37
26 05 46 00-0142	EA 80', Galvanized Steel Tapered 12 Sided Pole For Distribution	14,789.93	1,812.63
26 05 46 00-0143	EA 85', Galvanized Steel Tapered 12 Sided Pole For Distribution	15,671.21	1,919.25
26 05 46 00-0144	EA 90', Galvanized Steel Tapered 12 Sided Pole For Distribution	17,774.21	2,132.50
26 05 46 00-0145	EA 95', Galvanized Steel Tapered 12 Sided Pole For Distribution	18,905.02	2,399.06
26 05 46 00-0146	EA 100', Galvanized Steel Tapered 12 Sided Pole For Distribution	20,293.41	2,718.93
26 05 46 00-0147	EA 105', Galvanized Steel Tapered 12 Sided Pole For Distribution	21,771.05	3,038.81

<b>26 05 46 00-0148</b>	<b>Standard Options For Round, 12 Sided and Octagonal Tapered Poles</b> <small>(26 05 46 00-0118)</small>		
26 05 46 00-0149	EA Ladder Clips	18.52	
26 05 46 00-0150	EA Coal Tar Epoxy Coating From Base To 1' Above Ground Line	138.94	
26 05 46 00-0151	EA Ground Sleeve-2' At Ground Line	139.75	

<b>26 05 46 00-0152</b>	<b>Arms With Baseplates And Endplates</b> <small>(26 05 46 00-0118)</small>		
26 05 46 00-0153	EA 4' Arm With Baseplate And Endplate	581.48	111.42
26 05 46 00-0154	EA 5' Arm With Baseplate And Endplate	630.10	111.42
26 05 46 00-0155	EA 6' Arm With Baseplate And Endplate	791.02	167.13
26 05 46 00-0156	EA 7' Arm With Baseplate And Endplate	833.55	167.13
26 05 46 00-0157	EA 8' Arm With Baseplate And Endplate	992.75	222.85
26 05 46 00-0158	EA 9' Arm With Baseplate And Endplate	1,041.35	222.85
26 05 46 00-0159	EA 10' Arm With Baseplate And Endplate	1,377.71	278.55
26 05 46 00-0160	EA 11' Arm With Baseplate And Endplate	1,432.27	278.55

<b>26 05 46 00-0161</b>	<b>Standard Vangs Load Bearing At Any Angle</b> <small>(26 05 46 00-0118)</small>		
26 05 46 00-0162	EA 15,000 LB Standard Vangs Load Bearing At Any Angle	262.95	111.42
26 05 46 00-0163	EA 30,000 LB Standard Vangs Load Bearing At Any Angle	292.74	111.42
26 05 46 00-0164	EA 45,000 LB Standard Vangs Load Bearing At Any Angle	333.48	111.42

<b>26 05 46 00-0165</b>	<b>Armless Construction Brackets</b> <small>(26 05 46 00-0118)</small>		
<b>26 05 46 00-0166</b>	<b>Verticals Insulator And Equipment Bracket</b> <small>(26 05 46 00-0165)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0167	EA		7" 1 Position Vertical Insulation And Equipment Bracket .....	267.81	111.42
26 05 46 00-0168	EA		12" 1 Position Vertical Insulation And Equipment Bracket .....	286.62	111.42
26 05 46 00-0169	EA		12" 3 Position Vertical Insulation And Equipment Bracket .....	317.18	111.42
26 05 46 00-0170	EA		18" 1 Position Vertical Insulation And Equipment Bracket .....	448.67	167.13
26 05 46 00-0171	EA		18" 3 Position Vertical Insulation And Equipment Bracket .....	466.51	167.13
<b>26 05 46 00-0172</b>			<b>Horizontal And Multiple Insulator Brackets</b> (26 05 46 00-0165)		
26 05 46 00-0173	EA		Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets.....	253.16	111.42
26 05 46 00-0174	EA		Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets.....	292.69	111.42
26 05 46 00-0175	EA		Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets.....	429.52	167.13
26 05 46 00-0176	EA		Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets.....	522.81	167.13
26 05 46 00-0177	EA		Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets.....	673.01	222.85
26 05 46 00-0178	EA		Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets.....	722.52	222.85
<b>26 05 46 00-0179</b>			<b>Pole Top Bracket And Pins</b> (26 05 46 00-0165)		
26 05 46 00-0180	EA		Pole Top Pin - 5" .....	258.90	111.42
26 05 46 00-0181	EA		Pole Top Bracket - 5" .....	268.50	111.42
<b>26 05 46 00-0182</b>			<b>Angle Pins</b> (26 05 46 00-0165)		
26 05 46 00-0183	EA		Angle Pin - 25 Degree, 6" .....	257.60	111.42
26 05 46 00-0184	EA		Angle Pin - 25 Degree, 7 1/4" .....	288.77	111.42
<b>26 05 46 00-0185</b>			<b>Static And Neutral Wire Brackets</b> (26 05 46 00-0165)		
26 05 46 00-0186	EA		Neutral Wire Extension Bracket .....	273.10	111.42
26 05 46 00-0187	EA		Static Wire Support Bracket .....	276.70	111.42
<b>26 05 46 00-0188</b>			<b>Cutout, Arrestor And Terminator Brackets</b> (26 05 46 00-0165)		
26 05 46 00-0189	EA		Cutout And Arrestor, With Mounting Bracket .....	250.41	111.42
26 05 46 00-0190	EA		Equipment Mounting T Bracket.....	268.45	111.42
26 05 46 00-0191	EA		15 KV Cutout.....	351.01	
26 05 46 00-0192	EA		9/10 KV Arrestor.....	325.64	111.42
<b>26 05 46 00-0193</b>			<b>Spacer Cable, Conduit Support And Cluster Bracket</b> (26 05 46 00-0165)		
26 05 46 00-0194	EA		Parallel Cable Spacer .....	298.96	111.42
26 05 46 00-0195	EA		Conduit Standoff Support Bracket.....	287.46	111.42
26 05 46 00-0196	EA		Three Transformer Pole Mounted Cluster Bracket.....	686.18	111.42
<b>26 05 46 00-0197</b>			<b>15 KV, 200 Amperes, Solenoid Operated High Voltage Switch</b> (26 05 46 00-0165)		
			Note: Includes pole mounting bracket.		
26 05 46 00-0198	EA		15 KV, 1 Phase, Solenoid Switch With Pole Bracket .....	1,675.07	278.55
<b>26 05 46 00-0199</b>			<b>Octagonal Tapered</b> (26 05 46 00-0118)		
26 05 46 00-0200	EA		40', Galvanized Steel Tapered Octagonal Pole For Distribution .....	5,744.45	668.53
26 05 46 00-0201	EA		45', Galvanized Steel Tapered Octagonal Pole For Distribution .....	6,334.03	724.24
26 05 46 00-0202	EA		50', Galvanized Steel Tapered Octagonal Pole For Distribution .....	7,006.15	779.96
26 05 46 00-0203	EA		55', Galvanized Steel Tapered Octagonal Pole For Distribution .....	7,711.20	947.09
26 05 46 00-0204	EA		60', Galvanized Steel Tapered Octagonal Pole For Distribution .....	10,179.26	1,002.79
26 05 46 00-0205	EA		65', Galvanized Steel Tapered Octagonal Pole For Distribution .....	11,314.73	1,252.84
26 05 46 00-0206	EA		70', Galvanized Steel Tapered Octagonal Pole For Distribution .....	13,097.97	1,332.81
26 05 46 00-0207	EA		75', Galvanized Steel Tapered Octagonal Pole For Distribution .....	14,116.27	1,599.37
26 05 46 00-0208	EA		80', Galvanized Steel Tapered Octagonal Pole For Distribution .....	15,218.68	1,705.99
26 05 46 00-0209	EA		85', Galvanized Steel Tapered Octagonal Pole For Distribution .....	16,125.19	1,919.25
26 05 46 00-0210	EA		90', Galvanized Steel Tapered Octagonal Pole For Distribution .....	18,291.98	2,025.87
26 05 46 00-0211	EA		95', Galvanized Steel Tapered Octagonal Pole For Distribution .....	19,449.50	2,399.06
26 05 46 00-0212	EA		100', Galvanized Steel Tapered Octagonal Pole For Distribution .....	20,864.60	2,559.00
26 05 46 00-0213	EA		105', Galvanized Steel Tapered Octagonal Pole For Distribution .....	22,371.91	2,878.87
<b>26 05 46 00-0214</b>			<b>Removal And Relocation Of Steel Service Poles</b> (26 05 46 00-0118)		
26 05 46 00-0215	LF		Removal And Relocation Of Steel Service Poles With Arms Up To 60' .....	38.99	
<b>26 05 46 00-0216</b>			<b>Special Steel Bases For Poles</b> (26 05 46 00-0118)		
26 05 46 00-0217	EA		Spin-In Steel Base For Poles .....	210.16	
26 05 46 00-0218	EA		Series 3, 25' Pole And less .....	230.99	55.71
26 05 46 00-0219	EA		Series 4, 40' Pole And less .....	274.29	64.06
26 05 46 00-0220	EA		Series 5, 50' Pole And less .....	312.00	69.64
<b>26 05 46 00-0221</b>			<b>Primary Fuse Cutouts</b> (26 05 46)		
			Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
<b>26 05 46 00-0222</b>			<b>Non-Loadbreak Current Limiting Primary Fuse Cutouts</b> (26 05 46 00-0221)		
			Note: Includes the fuse and cut-out switch.		
<b>26 05 46 00-0223</b>			<b>8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting</b> (26 05 46 00-0222)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0224 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	560.60 133.70	278.55
26 05 46 00-0225 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	672.03 167.13	278.55
26 05 46 00-0226 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	783.08 200.45	278.55
26 05 46 00-0227 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	794.18 200.57	278.55
26 05 46 00-0228 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	794.18 200.57	278.55
<b>26 05 46 00-0229 17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting</b> <small>(26 05 46 00-0222)</small>		
26 05 46 00-0230 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	560.60 133.70	222.85
<b>26 05 46 00-0231 17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting</b> <small>(26 05 46 00-0222)</small>		
26 05 46 00-0232 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	575.09 133.70	222.85
<b>26 05 46 00-0233 Fuseholders</b> <small>(26 05 46 00-0222)</small> Note: Including current limiting fuse.		
26 05 46 00-0234 EA 15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	499.52 133.70	278.55
26 05 46 00-0235 EA 25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	610.95 167.13	278.55
26 05 46 00-0236 EA 40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	722.00 200.45	278.55
26 05 46 00-0237 EA 100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	504.53 133.70	278.55
26 05 46 00-0238 EA 200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	615.96 167.13	278.55
26 05 46 00-0239 EA 15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	499.52 133.70	222.85
<b>26 05 46 00-0240 Accessories</b> <small>(26 05 46 00-0222)</small>		
26 05 46 00-0241 EA Hot Line Clamp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.66 16.71	25.07
26 05 46 00-0242 EA Stirrup .....	75.27	25.07
<b>26 05 46 00-0243 Loadbreak Current Limiting Primary Fuse Cutouts</b> <small>(26 05 46 00-0221)</small> Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
<b>26 05 46 00-0244 8.3 KV-95 KV BIL Loadbreak Current Limiting</b> <small>(26 05 46 00-0243)</small>		
26 05 46 00-0245 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	673.45 133.70	278.55
26 05 46 00-0246 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	784.88 167.13	278.55
26 05 46 00-0247 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	895.93 200.45	278.55
26 05 46 00-0248 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	917.54 200.57	278.55
26 05 46 00-0249 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	917.54 200.57	278.55
<b>26 05 46 00-0250 17.1 KV-95 KV BIL Loadbreak Current Limiting</b> <small>(26 05 46 00-0243)</small>		
26 05 46 00-0251 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	673.45 133.70	222.85
<b>26 05 46 00-0252 17.1 KV-125 KV BIL Loadbreak Current Limiting</b> <small>(26 05 46 00-0243)</small>		
26 05 46 00-0253 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	673.45 133.70	222.85
<b>26 05 46 00-0254 Fuseholders</b> <small>(26 05 46 00-0243)</small> Note: Includes current limiting fuses.		
26 05 46 00-0255 EA 15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	504.69 133.70	278.55
26 05 46 00-0256 EA 25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	616.12 167.13	278.55
26 05 46 00-0257 EA 40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	727.17 200.45	278.55
26 05 46 00-0258 EA 15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	504.69 133.70	278.55
<b>26 05 46 00-0259 Pole Mounted Capacitors</b> <small>(26 05 46 00-0243)</small>		
26 05 46 00-0260 EA Capacitors - Pole Mounted 6 KVAR .....	1,092.46	224.63

**26 Electrical****26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 46 00-0261 Pole Structure Assemblies</b> (26 05 46 00-0221)		
<b>26 05 46 00-0262 5 KV Pole Structure Assemblies</b> (26 05 46 00-0261)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0263 EA Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	443.24	211.70
26 05 46 00-0264 EA Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	742.19	356.55
26 05 46 00-0265 EA Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	762.65	278.55
26 05 46 00-0266 EA Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	422.54	144.85
26 05 46 00-0267 EA Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	549.10	200.56
26 05 46 00-0268 EA Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	994.65	401.11
26 05 46 00-0269 EA Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	769.93	300.83
26 05 46 00-0270 EA Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,447.58	601.68
26 05 46 00-0271 EA Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,638.81	679.68
26 05 46 00-0272 EA Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	874.07	334.26
26 05 46 00-0273 EA Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	787.74	356.55
26 05 46 00-0274 EA Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,516.60	724.24
26 05 46 00-0275 EA Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,080.27	434.55
26 05 46 00-0276 EA Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	699.76	311.98
26 05 46 00-0277 EA Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,352.68	635.11
26 05 46 00-0278 EA Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	988.42	323.13
<b>26 05 46 00-0279 15 KV Pole Structure Assemblies</b> (26 05 46 00-0261)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0280 EA Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	457.73	211.70
26 05 46 00-0281 EA Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	762.90	356.55
26 05 46 00-0282 EA Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	833.05	278.55
26 05 46 00-0283 EA Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	447.39	144.85
26 05 46 00-0284 EA Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	584.29	189.42
26 05 46 00-0285 EA Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,065.05	401.11
26 05 46 00-0286 EA Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	821.70	300.83
26 05 46 00-0287 EA Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,553.18	601.68
26 05 46 00-0288 EA Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,781.69	679.68
26 05 46 00-0289 EA Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	944.47	334.26
26 05 46 00-0290 EA Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	814.66	356.55
26 05 46 00-0291 EA Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,543.52	724.24
26 05 46 00-0292 EA Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,134.11	434.55
26 05 46 00-0293 EA Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	726.68	300.83
26 05 46 00-0294 EA Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,379.60	635.11
26 05 46 00-0295 EA Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,042.26	389.98
<b>26 05 46 00-0296 25 KV Pole Structure Assemblies</b> (26 05 46 00-0261)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0297 EA Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,190.87	334.26
26 05 46 00-0298 EA Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	705.20	167.13
26 05 46 00-0299 EA Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,027.63	256.27
26 05 46 00-0300 EA Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,474.49	523.68
26 05 46 00-0301 EA Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,331.64	389.98
26 05 46 00-0302 EA Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	2,249.09	768.81
26 05 46 00-0303 EA Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	2,229.76	869.09
26 05 46 00-0304 EA Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,507.62	506.97
26 05 46 00-0305 EA Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,335.38	506.97
<b>26 05 46 00-0306 50 KV Pole Structure Assemblies</b> (26 05 46 00-0261)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0307 EA Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,600.41	456.83
26 05 46 00-0308 EA Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	858.91	233.98
26 05 46 00-0309 EA Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,142.44	367.69
26 05 46 00-0310 EA Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	2,177.20	746.53
26 05 46 00-0311 EA Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,660.86	557.11
26 05 46 00-0312 EA Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	3,220.25	1,114.22
26 05 46 00-0313 EA Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	3,755.66	1,236.79
26 05 46 00-0314 EA Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,894.83	601.68
26 05 46 00-0315 EA Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,970.47	696.39
26 05 46 00-0316 EA Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....	1,888.54	657.39
<b>26 05 46 00-0317 Overhead To Underground Conversion Structures</b> (26 05 46 00-0221)		
Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		
<b>26 05 46 00-0318 5 KV Structures</b> (26 05 46 00-0317)		
Note: Excludes pole.		
26 05 46 00-0319 EA (3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles .....	4,218.82	2,228.43
26 05 46 00-0320 EA (3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles .....	4,218.82	2,228.43
26 05 46 00-0321 EA (4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles .....	4,218.82	2,228.43
26 05 46 00-0322 EA (4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles .....	4,218.82	2,228.43
<b>26 05 46 00-0323 15 KV Structures</b> (26 05 46 00-0317)		
Note: Excludes pole.		
26 05 46 00-0324 EA (3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles .....	4,316.25	2,228.43
26 05 46 00-0325 EA (3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles .....	4,316.25	2,228.43
26 05 46 00-0326 EA (4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles .....	4,316.25	2,228.43

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

26 05 46 00-0327	EA	(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles .....	4,316.25	2,228.43
<b>26 05 46 00-0328 25 KV Structures</b> <small>(26 05 46 00-0317)</small>				
Note: Excludes pole.				
26 05 46 00-0329	EA	(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles .....	4,422.53	2,228.43
26 05 46 00-0330	EA	(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles .....	4,422.53	2,228.43
26 05 46 00-0331	EA	(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles .....	4,422.53	2,228.43
26 05 46 00-0332	EA	(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles .....	4,422.53	2,228.43
<b>26 05 46 00-0333 Transformer Stations</b> <small>(26 05 46 00-0221)</small>				
Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.				
<b>26 05 46 00-0334 5 KV Station</b> <small>(26 05 46 00-0333)</small>				
26 05 46 00-0335	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole .....	5,767.71	2,970.50
26 05 46 00-0336	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole .....	6,475.37	3,342.65
26 05 46 00-0337	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole .....	7,183.05	3,713.69
26 05 46 00-0338	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole .....	7,183.05	3,713.69
26 05 46 00-0339	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole .....	5,767.71	2,970.50
<b>26 05 46 00-0340 15 KV Stations</b> <small>(26 05 46 00-0333)</small>				
26 05 46 00-0341	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole .....	5,865.13	2,969.66
26 05 46 00-0342	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole .....	6,572.80	3,342.65
26 05 46 00-0343	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole .....	7,280.48	3,713.69
26 05 46 00-0344	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole .....	7,280.48	3,713.69
26 05 46 00-0345	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole .....	5,865.13	2,970.50
<b>26 05 46 00-0346 25 KV Stations</b> <small>(26 05 46 00-0333)</small>				
26 05 46 00-0347	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole .....	5,971.42	2,970.50
26 05 46 00-0348	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole .....	6,679.09	3,342.65
26 05 46 00-0349	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole .....	7,386.76	3,713.69
26 05 46 00-0350	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole .....	7,386.76	3,713.69
26 05 46 00-0351	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole .....	5,971.42	2,970.50

**26 05 53 Identification for Electrical Systems** (26 05)

<b>26 05 53 00-0001 Conduit Markers Pressure-Sensitive</b> <small>(26 05 53)</small>				
Note: Stick-on, includes arrow tape.				
26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on .....	12.63	
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on .....	13.11	
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on .....	14.08	
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on .....	14.27	
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on .....	14.46	
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on .....	14.75	
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on .....	18.33	
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on .....	18.71	
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on .....	19.00	
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on .....	19.30	
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on .....	19.90	
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on .....	20.54	
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on .....	21.11	
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on .....	21.68	
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on .....	24.46	
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on .....	25.52	
<b>26 05 53 00-0018 Labeling Electrical Wires</b> <small>(26 05 53)</small>				
Note: Self-adhesive vinly coated white cloth				
26 05 53 00-0019	EA	Labeling Wire .....	2.97	
<b>26 05 53 00-0020 Equipment Labeling</b> <small>(26 05 53)</small>				
26 05 53 00-0021	EA	Label Both Ends Of One 4 Pair Cable .....	18.95	
26 05 53 00-0022	EA	Label single gang face plate (2 labels required) .....	15.16	
26 05 53 00-0023	EA	Label two gang face plate (4 labels required) .....	22.73	
26 05 53 00-0024	EA	Label both ends of a Siamese (dual 4 Pair cable) .....	18.95	

**26 05 83 Wiring Connections** (26 05)

<b>26 05 83 00-0001 Tape Wrapped Compression Connectors</b> <small>(26 05 83)</small>				
26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt .....	13.18	4.33
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt .....	14.48	4.81
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt .....	15.72	5.29
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt .....	18.25	5.78
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt .....	19.63	6.26
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt .....	21.80	6.74
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt .....	23.37	7.22
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt .....	25.47	7.70

**26 Electrical****26 05 Common Work Results for Electrical****26 05 83 Wiring Connections**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	28.18		8.66
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	29.55		9.15
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	32.99		9.63
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	35.99		10.11
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	40.26		11.07
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	46.77		12.51
<b>26 05 83 00-0016 One Hole Compression Lugs <small>(26 05 83)</small></b>					
26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	16.77		12.51
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	16.91		12.51
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	19.15		13.48
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	23.87		14.92
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	33.42		19.25
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	39.02		19.25
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	44.90		19.25
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	55.19		28.88
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	64.59		28.88
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	75.53		28.88
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	91.02		38.51
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	107.92		57.76
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	123.48		57.76
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	132.67		57.76
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	144.59		67.39
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	158.14		67.39
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	171.80		77.00
26 05 83 00-0034	EA	1,000 MCM Compression Lugs, 1 Hole, Low Voltage, To 600 Volt.....	202.58		86.63
<b>26 05 83 00-0035 Two Hole Compression Lugs <small>(26 05 83)</small></b>					
26 05 83 00-0036	EA	#8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	34.34		16.37
26 05 83 00-0037	EA	#6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	36.93		17.42
26 05 83 00-0038	EA	#4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	38.86		17.42
26 05 83 00-0039	EA	#2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	44.72		20.03
26 05 83 00-0040	EA	1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	55.00		25.03
26 05 83 00-0041	EA	2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	64.39		29.74
26 05 83 00-0042	EA	3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	75.31		34.85
26 05 83 00-0043	EA	4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	90.77		42.26
26 05 83 00-0044	EA	250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	107.63		50.15
26 05 83 00-0045	EA	300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	123.14		57.28
26 05 83 00-0046	EA	350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	132.32		61.70
26 05 83 00-0047	EA	400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	144.18		66.81
26 05 83 00-0048	EA	500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	157.67		72.96
26 05 83 00-0049	EA	750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	172.46		79.13
26 05 83 00-0050	EA	1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	213.99		96.26
<b>26 05 83 00-0051 Tape Wrapped Split Bolt Connectors <small>(26 05 83)</small></b>					
26 05 83 00-0052	EA	#8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	50.99		38.51
26 05 83 00-0053	EA	#6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	56.07		41.40
26 05 83 00-0054	EA	#4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	63.94		43.32
26 05 83 00-0055	EA	#2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	74.39		48.13
26 05 83 00-0056	EA	1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	87.97		52.95
26 05 83 00-0057	EA	2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	99.14		57.76
26 05 83 00-0058	EA	3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	124.10		62.57
26 05 83 00-0059	EA	4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	133.17		67.39
26 05 83 00-0060	EA	250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	140.42		72.19
26 05 83 00-0061	EA	300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	160.96		79.41
26 05 83 00-0062	EA	350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	181.48		115.51
26 05 83 00-0063	EA	400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	199.06		96.26
26 05 83 00-0064	EA	500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	216.62		129.95
26 05 83 00-0065	EA	750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	241.68		134.77
26 05 83 00-0066	EA	1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	275.08		144.39
<b>26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone <small>(26 05 83)</small></b>					
26 05 83 00-0068	EA	#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	86.12		38.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.21		
26 05 83 00-0069	EA	#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	95.60		38.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.92		
26 05 83 00-0070	EA	1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	132.20		57.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.09		
26 05 83 00-0071	EA	4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	149.78		57.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.02		
26 05 83 00-0072	EA	300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	179.49		72.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.76		
26 05 83 00-0073	EA	500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	251.33		96.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.17		
<b>26 05 83 00-0074 Terminal Blocks <small>(26 05 83)</small></b>					
		Note: Labor excludes wire termination.			
26 05 83 00-0075	EA	Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt.....	866.23		356.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	213.91		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0076 EA #22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block.....	235.42	48.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.22	
26 05 83 00-0077 EA #8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block.....	261.14	48.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.53	
<b>26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection (26 05 83)</b>		
26 05 83 00-0079 EA #8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	34.33	17.42
26 05 83 00-0080 EA #6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	36.93	17.42
26 05 83 00-0081 EA #4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	38.86	17.42
26 05 83 00-0082 EA #2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	44.72	20.03
26 05 83 00-0083 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	55.00	25.03
26 05 83 00-0084 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	64.39	29.74
26 05 83 00-0085 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	75.31	34.85
26 05 83 00-0086 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	90.77	42.26
26 05 83 00-0087 EA 250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	107.63	50.15
26 05 83 00-0088 EA 300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	123.14	57.28
26 05 83 00-0089 EA 350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	132.32	61.70
26 05 83 00-0090 EA 400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	144.18	66.81
26 05 83 00-0091 EA 500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	157.67	72.96
26 05 83 00-0092 EA 750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	158.09	72.96
26 05 83 00-0093 EA #8 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	34.33	17.42
26 05 83 00-0094 EA #6 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	36.93	17.42
26 05 83 00-0095 EA #4 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	38.86	17.42
26 05 83 00-0096 EA #2 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	44.72	20.03
26 05 83 00-0097 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	55.00	25.03
26 05 83 00-0098 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	64.39	29.74
26 05 83 00-0099 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	75.31	34.85
26 05 83 00-0100 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	90.77	42.26
26 05 83 00-0101 EA 250 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	107.63	50.15
26 05 83 00-0102 EA 300 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	123.14	57.28
26 05 83 00-0103 EA 350 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	132.32	61.70
26 05 83 00-0104 EA 400 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	144.18	66.81
26 05 83 00-0105 EA 500 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	157.67	72.96
26 05 83 00-0106 EA 750 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	158.09	72.96
<b>26 05 83 00-0107 Copper Mechanical Lugs (26 05 83)</b>		
26 05 83 00-0108 EA #8 Copper Mechanical Lugs.....	26.81	12.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.22	
26 05 83 00-0109 EA #6 Copper Mechanical Lugs.....	32.20	14.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.72	
26 05 83 00-0110 EA #4 Copper Mechanical Lugs.....	37.22	16.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.11	
26 05 83 00-0111 EA #2 Copper Mechanical Lugs.....	48.53	21.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.89	
26 05 83 00-0112 EA 1/0 Copper Mechanical Lugs.....	65.34	28.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.33	
26 05 83 00-0113 EA 2/0 Copper Mechanical Lugs.....	77.61	33.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.13	
26 05 83 00-0114 EA 3/0 Copper Mechanical Lugs.....	90.51	38.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.10	
26 05 83 00-0115 EA 4/0 Copper Mechanical Lugs.....	102.83	43.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.91	
26 05 83 00-0116 EA 250 MCM Copper Mechanical Lugs.....	117.32	48.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.88	
26 05 83 00-0117 EA 300 MCM Copper Mechanical Lugs.....	131.58	52.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.78	
26 05 83 00-0118 EA 350 MCM Copper Mechanical Lugs.....	145.78	57.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.65	
26 05 83 00-0119 EA 400 MCM Copper Mechanical Lugs.....	159.88	62.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.51	
26 05 83 00-0120 EA 500 MCM Copper Mechanical Lugs.....	174.21	67.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.43	
26 05 83 00-0121 EA 750 MCM Copper Mechanical Lugs.....	197.57	76.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.06	
26 05 83 00-0122 EA 1,000 MCM Copper Mechanical Lugs.....	223.60	86.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.98	
<b>26 05 83 00-0123 Gel Connectors (26 05 83)</b>		
26 05 83 00-0124 EA 3 Port, #14 to 2/0, Push On Gel Stub Splice Kit.....	47.76	
Note: Kit contains connector, gel filled cap and cap clamp.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.90	
26 05 83 00-0125 EA 4 Port, #14 to 2, Gel Tap Splice Kit.....	46.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.47	
<b>26 05 83 00-0126 Other Connections (26 05 83)</b>		
26 05 83 00-0127 EA #14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	9.66	4.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.64	
26 05 83 00-0128 EA #12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	9.74	4.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.64	
26 05 83 00-0129 EA #10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	9.83	4.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.64	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 83 Wiring Connections**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0130			<b>Motor/Equipment Connections And Terminations</b> <small>(26 05 83)</small> Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.		
26 05 83 00-0131			<b>AC Single Phase, 230 Volt</b> <small>(26 05 83 00-0130)</small>		
26 05 83 00-0132	EA		<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	59.37	24.07
26 05 83 00-0133	EA		1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	58.99	24.07
26 05 83 00-0134	EA		3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	69.07	28.88
26 05 83 00-0135	EA		1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	84.34	36.10
26 05 83 00-0136	EA		1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	85.10	36.10
26 05 83 00-0137	EA		2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	85.25	36.10
26 05 83 00-0138	EA		3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	87.74	36.10
26 05 83 00-0139	EA		5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	112.10	48.13
26 05 83 00-0140	EA		7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	114.89	48.13
26 05 83 00-0141	EA		10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	145.21	60.17
26 05 83 00-0142			<b>AC Three Phase, 230 Volt</b> <small>(26 05 83 00-0130)</small>		
26 05 83 00-0143	EA		1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	58.99	24.07
26 05 83 00-0144	EA		3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	69.07	28.88
26 05 83 00-0145	EA		1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	84.34	36.10
26 05 83 00-0146	EA		1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	85.10	36.10
26 05 83 00-0147	EA		2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	85.25	36.10
26 05 83 00-0148	EA		3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	87.74	36.10
26 05 83 00-0149	EA		5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	112.10	48.13
26 05 83 00-0150	EA		7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	114.89	48.13
26 05 83 00-0151	EA		10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	145.21	60.17
26 05 83 00-0152	EA		15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	148.98	60.17
26 05 83 00-0153	EA		20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	187.91	72.19
26 05 83 00-0154	EA		25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	193.65	72.19
26 05 83 00-0155	EA		30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	264.19	96.26
26 05 83 00-0156	EA		40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	331.16	120.32
26 05 83 00-0157	EA		50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	390.32	144.39
26 05 83 00-0158	EA		60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	464.53	168.46
26 05 83 00-0159	EA		75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	533.93	192.53
26 05 83 00-0160	EA		100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	662.71	240.65
26 05 83 00-0161	EA		125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	782.70	286.38
26 05 83 00-0162	EA		150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	926.90	334.03
26 05 83 00-0163	EA		200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	1,321.33	500.94
26 05 83 00-0164			<b>AC Three Phase, 460 Volt</b> <small>(26 05 83 00-0130)</small>		
26 05 83 00-0165	EA		1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	58.99	24.07
26 05 83 00-0166	EA		3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	69.07	28.88
26 05 83 00-0167	EA		1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	84.34	36.10
26 05 83 00-0168	EA		1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	85.10	36.10
26 05 83 00-0169	EA		2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	85.25	36.10
26 05 83 00-0170	EA		3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	87.74	36.10
26 05 83 00-0171	EA		5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	112.10	48.13
26 05 83 00-0172	EA		7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	114.89	48.13
26 05 83 00-0173	EA		10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	145.21	60.17
26 05 83 00-0174	EA		15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	148.98	60.17
26 05 83 00-0175	EA		20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	187.92	72.19
26 05 83 00-0176	EA		25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	193.64	72.19
26 05 83 00-0177	EA		30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	264.19	96.26
26 05 83 00-0178	EA		40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	331.45	120.52
26 05 83 00-0179	EA		50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	390.32	144.39
26 05 83 00-0180	EA		60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	464.53	168.46
26 05 83 00-0181	EA		75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	533.93	192.53
26 05 83 00-0182	EA		100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	662.71	240.65
26 05 83 00-0183	EA		125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	782.97	286.48
26 05 83 00-0184	EA		150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	927.27	334.22
26 05 83 00-0185	EA		200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	1,322.16	501.33
26 05 83 00-0186			<b>AC Single Phase, 120 Volt</b> <small>(26 05 83 00-0130)</small>		
26 05 83 00-0187	EA		1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	59.37	24.07
26 05 83 00-0188			<b>Motor Moisture Sensor</b> <small>(26 05 83 00-0130)</small>		
26 05 83 00-0189	EA		Motor Moisture Sensor Located In Winding .....	617.61	

**26 09 Instrumentation and Control for Electrical Systems** (26)

Note: Includes testing of new devices and certification.

**26 09 23 Lighting Control Devices** (26 09)

**26 09 23 00-0001 Lighting Contactors** (26 09 23)

Note: Up to 600 volt.

**26 09 23 00-0002 Electrically Held, Lighting Contactors** (26 09 23 00-0001)



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 09 23 00-0003	NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0004	2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0005	EA 20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	480.20	77.00
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>46.21</i>	
26 09 23 00-0006	EA 30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	599.84	86.63
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>51.98</i>	
26 09 23 00-0007	EA 60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,143.29	134.77
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>80.86</i>	
26 09 23 00-0008	EA 100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,800.55	182.90
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>109.74</i>	
26 09 23 00-0009	EA 200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	3,855.36	240.65
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>144.39</i>	
26 09 23 00-0010	3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0011	EA 20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	542.55	86.63
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>51.98</i>	
26 09 23 00-0012	EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	656.74	96.26
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>57.76</i>	
26 09 23 00-0013	EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,231.98	154.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>92.41</i>	
26 09 23 00-0014	EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,941.22	202.15
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>121.29</i>	
26 09 23 00-0015	EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	4,133.80	264.72
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>158.83</i>	
26 09 23 00-0016	4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0017	EA 20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	643.11	96.26
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>57.76</i>	
26 09 23 00-0018	EA 30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	779.04	105.88
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>63.53</i>	
26 09 23 00-0019	EA 60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,499.90	173.27
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>103.96</i>	
26 09 23 00-0020	EA 100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,337.29	221.40
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>132.84</i>	
26 09 23 00-0021	EA 200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	5,313.79	288.78
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>173.27</i>	
26 09 23 00-0022	NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0023	2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0022)</small>		
26 09 23 00-0024	EA 20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	826.96	77.00
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>46.21</i>	
26 09 23 00-0025	EA 30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,059.58	86.63
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>51.98</i>	
26 09 23 00-0026	EA 60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	2,060.06	134.77
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>80.86</i>	
26 09 23 00-0027	EA 100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,102.67	182.90
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>109.74</i>	
26 09 23 00-0028	EA 200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	6,077.85	240.65
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>144.39</i>	
26 09 23 00-0029	3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0022)</small>		
26 09 23 00-0030	EA 20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	853.06	86.63
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>51.98</i>	
26 09 23 00-0031	EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,116.47	96.26
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>57.76</i>	
26 09 23 00-0032	EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	2,151.45	154.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>92.41</i>	
26 09 23 00-0033	EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,242.45	202.15
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>121.29</i>	
26 09 23 00-0034	EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	6,355.39	264.72
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>158.83</i>	
26 09 23 00-0035	4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0022)</small>		
26 09 23 00-0036	EA 20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	920.32	96.26
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>57.76</i>	
26 09 23 00-0037	EA 30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,238.77	105.88
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>63.53</i>	
26 09 23 00-0038	EA 60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	2,776.93	173.27
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>103.96</i>	
26 09 23 00-0039	EA 100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,996.09	221.40
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>132.84</i>	
26 09 23 00-0040	EA 200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	8,521.16	288.78
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>173.27</i>	
26 09 23 00-0041	Mechanically Held, Lighting Contactors <small>(26 09 23 00-0001)</small>		
26 09 23 00-0042	NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0041)</small>		

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 09 23 00-0043	<b>2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors</b> (26 09 23 00-0042)		
26 09 23 00-0044	EA 20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....732.92	77.00	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.21	
26 09 23 00-0045	EA 30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....834.64	86.63	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.98	
26 09 23 00-0046	EA 60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....1,600.33	134.77	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.86	
26 09 23 00-0047	EA 100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....2,233.39	182.90	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.74	
26 09 23 00-0048	EA 200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....5,260.55	240.65	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.39	
26 09 23 00-0049	<b>3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors</b> (26 09 23 00-0042)		
26 09 23 00-0050	EA 20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....780.58	86.63	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.98	
26 09 23 00-0051	EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....893.33	96.26	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.76	
26 09 23 00-0052	EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....1,691.72	154.02	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.41	
26 09 23 00-0053	EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....2,374.96	202.15	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.29	
26 09 23 00-0054	EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....5,919.85	264.72	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.83	
26 09 23 00-0055	<b>4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors</b> (26 09 23 00-0042)		
26 09 23 00-0056	EA 20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....840.98	96.26	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.76	
26 09 23 00-0057	EA 30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....950.21	105.88	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.53	
26 09 23 00-0058	EA 60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....1,983.83	173.27	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.96	
26 09 23 00-0059	EA 100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....2,797.02	221.40	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.84	
26 09 23 00-0060	EA 200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....7,167.06	288.78	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.27	
26 09 23 00-0061	<b>NEMA 4 Enclosure, Mechanically Held, Lighting Contactors</b> (26 09 23 00-0041)		
26 09 23 00-0062	<b>2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors</b> (26 09 23 00-0061)		
26 09 23 00-0063	EA 20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....1,123.75	77.00	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.21	
26 09 23 00-0064	EA 30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....1,294.37	86.63	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.98	
26 09 23 00-0065	EA 60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....2,519.80	134.77	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.86	
26 09 23 00-0066	EA 100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....3,535.52	182.90	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.74	
26 09 23 00-0067	EA 200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....7,481.24	240.65	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.39	
26 09 23 00-0068	<b>3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors</b> (26 09 23 00-0061)		
26 09 23 00-0069	EA 20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....1,184.14	86.63	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.98	
26 09 23 00-0070	EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....1,353.06	96.26	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.76	
26 09 23 00-0071	EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....2,611.18	154.02	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.41	
26 09 23 00-0072	EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....3,677.98	202.15	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.29	
26 09 23 00-0073	EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....8,142.33	264.72	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.83	
26 09 23 00-0074	<b>4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors</b> (26 09 23 00-0061)		
26 09 23 00-0075	EA 20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....1,249.44	96.26	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.76	
26 09 23 00-0076	EA 30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....1,409.94	105.88	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.53	
26 09 23 00-0077	EA 60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....3,260.86	173.27	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.96	
26 09 23 00-0078	EA 100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....4,455.82	221.40	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.84	
26 09 23 00-0079	EA 200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....10,309.00	288.78	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.27	
26 09 23 00-0080	<b>Combination Lighting Contactors</b> (26 09 23) Note: Up to 600 volt.		
26 09 23 00-0081	<b>Electrically Held, Combination Lighting Contactors</b> (26 09 23 00-0080)		

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0082			NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0081)</small>		
26 09 23 00-0083			3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0082)</small>		
26 09 23 00-0084	EA		30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,441.75 63.53	105.88
26 09 23 00-0085	EA		60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,258.42 101.65	169.42
26 09 23 00-0086	EA		100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,678.98 133.42	222.36
26 09 23 00-0087	EA		200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,788.76 174.71	291.19
26 09 23 00-0088			NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0081)</small>		
26 09 23 00-0089			3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0088)</small>		
26 09 23 00-0090	EA		30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,666.36 63.53	105.88
26 09 23 00-0091	EA		60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,145.74 101.65	169.42
26 09 23 00-0092	EA		100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,972.38 133.42	222.36
26 09 23 00-0093	EA		200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,001.62 174.71	291.19
26 09 23 00-0094			Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0080)</small>		
26 09 23 00-0095			NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0094)</small>		
26 09 23 00-0096			3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0095)</small>		
26 09 23 00-0097	EA		30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,581.56 63.53	105.88
26 09 23 00-0098	EA		60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,742.35 101.65	169.42
26 09 23 00-0099	EA		100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,137.37 133.42	222.36
26 09 23 00-0100	EA		200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,091.33 174.71	291.19
26 09 23 00-0101			NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0094)</small>		
26 09 23 00-0102			3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0101)</small>		
26 09 23 00-0103	EA		30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,807.51 63.53	105.88
26 09 23 00-0104	EA		60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,632.36 101.65	169.42
26 09 23 00-0105	EA		100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,432.11 133.42	222.36
26 09 23 00-0106	EA		200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,304.19 174.71	291.19
26 09 23 00-0107			Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket <small>(26 09 23)</small>		
26 09 23 00-0108	EA		105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.37 15.04	25.03
26 09 23 00-0109	EA		105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.84 15.04	25.03
26 09 23 00-0110			Dimming Module System (Lutron Grafik Eye) <small>(26 09 23)</small>		
26 09 23 00-0111	EA		2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,230.80 57.76	96.26

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 09 23 00-0112	EA 4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4).....	1,583.43	96.26
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.76	
26 09 23 00-0113	EA 6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6).....	1,942.34	96.26
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.76	
<b>26 09 23 00-0114</b>	<b>Dimming Module Contol (Leviton) (26 09 23)</b>		
26 09 23 00-0115	EA 5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0).....	159.20	12.06
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
<b>26 09 23 00-0116</b>	<b>Light Control Panels (26 09 23)</b>		
<b>26 09 23 00-0117</b>	<b>Lighting Control Panels (Watt Stopper) (26 09 23 00-0116)</b>		
<b>26 09 23 00-0118</b>	<b>Lighting Control Panels (Watt Stopper) (26 09 23 00-0117)</b>		
26 09 23 00-0119	EA 4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4).....	1,517.77	135.04
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.02	
26 09 23 00-0120	EA 8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8).....	1,423.56	144.69
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.81	
26 09 23 00-0121	EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G).....	1,600.87	144.69
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.81	
26 09 23 00-0122	EA 8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8).....	2,394.33	144.69
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.81	
26 09 23 00-0123	EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G).....	2,602.49	144.69
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.81	
26 09 23 00-0124	EA 4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4).....	1,688.28	135.04
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.02	
26 09 23 00-0125	EA 8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8).....	1,811.57	144.69
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.81	
26 09 23 00-0126	EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G).....	2,019.52	144.69
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.81	
26 09 23 00-0127	EA 8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8).....	2,477.52	144.69
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.81	
26 09 23 00-0128	EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G).....	2,685.67	144.69
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.81	
<b>26 09 23 00-0129</b>	<b>Accessories For Lighting Control Panels (Watt Stopper) (26 09 23 00-0117)</b>		
26 09 23 00-0130	EA Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2).....	147.08	24.12
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.47	
26 09 23 00-0131	EA Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W).....	113.20	19.29
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
26 09 23 00-0132	EA Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2).....	59.71	19.29
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
<b>26 09 23 00-0133</b>	<b>Lighting Control Panels (Synergy) (26 09 23 00-0116)</b>		
<b>26 09 23 00-0134</b>	<b>Lighting Control Panels (Synergy) (26 09 23 00-0133)</b>		
26 09 23 00-0135	EA 8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S).....	1,951.35	144.69
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.81	
<b>26 09 23 00-0136</b>	<b>Accessories For Lighting Control Panels (Synergy) (26 09 23 00-0133)</b>		
26 09 23 00-0137	EA Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL).....	475.84	24.12
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.47	
26 09 23 00-0138	EA Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSSL-20).....	184.38	9.65
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 09 23 00-0139	EA Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT).....	106.63	14.47
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.68	
<b>26 09 23 00-0140</b>	<b>Lighting Switching Panels (Lutron) (26 09 23 00-0116)</b>		
<b>26 09 23 00-0141</b>	<b>Lighting Switching Panels (Lutron) (26 09 23 00-0140)</b>		
26 09 23 00-0142	EA 8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT).....	1,594.46	144.69
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.81	
26 09 23 00-0143	EA 12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT).....	2,175.40	154.34
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.60	
26 09 23 00-0144	EA 16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT).....	2,839.39	163.98
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.39	
<b>26 09 23 00-0145</b>	<b>Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) (26 09 23 00-0116)</b>		
26 09 23 00-0146	EA 6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z).....	1,075.92	135.04
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.02	
26 09 23 00-0147	EA 12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z).....	1,222.44	135.04
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.02	
26 09 23 00-0148	EA 18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z).....	1,368.96	135.04
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.02	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 09 23 00-0149 Power Filters</b> <small>(26 09 23 00-0116)</small>				
26 09 23 00-0150	EA	600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure.....	35,954.89	802.14
26 09 23 00-0151	EA	200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure.....	21,307.86	348.75
<b>26 09 23 00-0152 Signal Filters</b> <small>(26 09 23 00-0116)</small>				
26 09 23 00-0153	EA	0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case .....	16,343.73	729.27
26 09 23 00-0154	EA	0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case .....	11,196.47	445.69
26 09 23 00-0155	EA	0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case.....	6,242.62	258.75
26 09 23 00-0156	EA	5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case.....	8,532.65	258.75
<b>26 09 23 00-0157 Lighting Control Devices (Encelium)</b> <small>(26 09 23)</small>				
26 09 23 00-0158	EA	8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120V) With Polaris 3D™ (Encelium EN-ECU-G4-P3D).....	11,117.55	96.46
Note: Excludes GB II cable.				
26 09 23 00-0159	EA	Server, System Support Unit (SSU) (Encelium EN-SSU-1U).....	5,093.77	96.46
Note: Excludes GB II and Ethernet cable.				
26 09 23 00-0160	EA	Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT).....	2,661.06	96.46
Note: Excludes GB II and Ethernet cable.				
26 09 23 00-0161	EA	Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT).....	11,182.81	96.46
Note: Excludes GB II and Ethernet cable.				
26 09 23 00-0162	EA	Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK).....	90.39	12.06
Note: Excludes GB II cable.				
26 09 23 00-0163	EA	Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR).....	138.58	12.06
Note: Excludes GB II cable.				
26 09 23 00-0164	EA	Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK).....	176.31	24.12
Note: Excludes GB II cable.				
26 09 23 00-0165	EA	Damp Rated, Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR).....	211.74	24.12
Note: Excludes GB II cable.				
26 09 23 00-0166	EA	Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK).....	114.50	24.12
Note: Excludes GB II cable.				
26 09 23 00-0167	EA	Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR).....	162.69	24.12
Note: Excludes GB II cable.				
26 09 23 00-0168	EA	16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700).....	407.13	48.23
Note: Excludes cable.				
26 09 23 00-0169	EA	Rack Mounted, Wired Power Bar (Encelium PWR-700).....	308.11	48.23
26 09 23 00-0170	EA	Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800).....	557.03	48.23
26 09 23 00-0171	EA	Wall Mounted, 4U Mounting Rack (Encelium RCK-700).....	196.22	48.23
26 09 23 00-0172	EA	4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042).....	623.34	48.23
Note: Excludes cable.				
26 09 23 00-0173	EA	Wired BACnet Interface (Encelium BIF-600).....	6,474.87	192.92
Note: Excludes cable.				
26 09 23 00-0174	EA	Wired AV Interface (Encelium EN-SW-AVINT).....	4,774.75	48.23
Note: Excludes cable.				
26 09 23 00-0175	EA	Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH).....	180.82	12.06
Note: Includes white finish. Excludes GB II cable.				
26 09 23 00-0176	EA	3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH).....	219.98	12.06
Note: Includes white finish. Excludes GB II cable.				
26 09 23 00-0177	EA	3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH).....	210.53	12.06
Note: Includes white finish. Excludes GB II cable.				
26 09 23 00-0178	EA	5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH).....	219.98	12.06
Note: Includes white finish. Excludes GB II cable.				
26 09 23 00-0179	EA	6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH).....	210.53	12.06
Note: Includes white finish. Excludes GB II cable.				
26 09 23 00-0180	EA	Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT).....	159.66	12.06
Note: Includes white finish. Excludes GB II cable.				
26 09 23 00-0181	EA	Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT).....	219.98	12.06
Note: Includes white finish. Excludes GB II cable.				
26 09 23 00-0182	EA	3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT).....	210.53	12.06
Note: Includes white finish. Excludes GB II cable.				
26 09 23 00-0183	EA	Wired Key Switch Controller (Encelium KSW-300).....	155.85	12.06
Note: Excludes GB II cable.				
26 09 23 00-0184	EA	Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH).....	67.73	12.06
Note: Includes white finish.				
26 09 23 00-0185	EA	1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2).....	58.14	24.12
26 09 23 00-0186	EA	1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2).....	58.56	24.12
26 09 23 00-0187	EA	5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2).....	61.89	24.12
26 09 23 00-0188	EA	10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2).....	65.18	24.12
26 09 23 00-0189	EA	15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2).....	69.12	24.12
26 09 23 00-0190	EA	20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2).....	72.66	24.12
26 09 23 00-0191	EA	25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2).....	77.02	24.12
26 09 23 00-0192	EA	50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2).....	96.71	24.12
26 09 23 00-0193	EA	1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2).....	594.39	24.12
26 09 23 00-0194	EA	Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2).....	148.15	24.12
26 09 23 00-0195	EA	1,000' Box, Category 5, Network Cable (Encelium NWC-400-B).....	765.87	24.12
26 09 23 00-0196	EA	Indoor Wired Photo Sensor (Encelium PHS-700).....	455.29	48.23
Note: Excludes GB II cable.				
26 09 23 00-0197	EA	Outdoor Wired Photo Sensor (Encelium PHS-800).....	455.29	48.23
Note: Excludes GB II cable.				
26 09 23 00-0198	EA	Skylight Wired Photo Sensor (Encelium PHS-900).....	455.29	48.23
Note: Excludes GB II cable.				
26 09 23 00-0199	EA	450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450).....	241.92	48.23
Note: Excludes GB II cable.				

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0200	EA		1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500) ..... Note: Excludes GB II cable.	234.76	48.23
26 09 23 00-0201	EA		2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00) ..... Note: Excludes GB II cable.	239.53	48.23
26 09 23 00-0202	EA		High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY) ..... Note: Excludes GB II cable.	263.38	48.23
26 09 23 00-0203	EA		Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG) ..... Note: Excludes GB II cable.	239.53	48.23
26 09 23 00-0204	EA		120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV) ..... Note: Excludes GB II cable.	191.85	48.23
26 09 23 00-0205	EA		High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPM24V) ..... Note: Excludes GB II cable.	202.75	48.23
26 09 23 00-0206	EA		High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V) ..... Note: Excludes GB II cable.	202.75	48.23
26 09 23 00-0207	EA		360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLNS360) ..... Note: Excludes GB II cable.	111.91	48.23
26 09 23 00-0208	EA		Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24) ..... Note: Excludes GB II cable.	245.43	48.23
26 09 23 00-0209	EA		Hallway, Wired Occupancy Sensor (Encelium HW-13) ..... Note: Excludes GB II cable.	342.64	48.23
26 09 23 00-0210	EA		500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500) ..... Note: Excludes GB II cable.	301.53	48.23
26 09 23 00-0211	EA		1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000) ..... Note: Excludes GB II cable.	320.60	48.23
26 09 23 00-0212	EA		2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000) ..... Note: Excludes GB II cable.	330.15	48.23
26 09 23 00-0213	EA		1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200) ..... Note: Excludes GB II cable.	299.14	48.23
26 09 23 00-0214	EA		120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV) ..... Note: Excludes GB II cable.	251.46	48.23
26 09 23 00-0215	EA		500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W) ..... Note: Excludes GB II cable.	311.78	48.23
26 09 23 00-0216	EA		1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W) ..... Note: Excludes GB II cable.	309.29	48.23
26 09 23 00-0217	EA		2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W) ..... Note: Excludes GB II cable.	341.83	48.23
26 09 23 00-0218	EA		1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W) ..... Note: Excludes GB II cable.	331.82	48.23
26 09 23 00-0219	EA		Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24) ..... Note: Excludes GB II cable.	356.27	48.23
26 09 23 00-0220	EA		Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV) ..... Note: Excludes GB II cable.	331.92	48.23
26 09 23 00-0221	EA		Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT) ..... Note: Excludes GB II cable.	331.92	48.23
26 09 23 00-0222	EA		10A, 120V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C) ..... Note: Excludes GB II cable.	222.03	48.23
26 09 23 00-0223	EA		10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C) ..... Note: Excludes GB II cable.	237.02	48.23
26 09 23 00-0224	EA		20A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P) ..... Note: Excludes GB II cable.	406.80	48.23
26 09 23 00-0225	EA		20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P) ..... Note: Excludes GB II cable.	434.31	48.23
26 09 23 00-0226	EA		10A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D) ..... Note: Excludes GB II cable.	323.30	48.23
26 09 23 00-0227	EA		10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D) ..... Note: Excludes GB II cable.	336.59	48.23
26 09 23 00-0228	EA		24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2) ..... Note: Excludes GB II cable and enclosure.	955.98	96.46
26 09 23 00-0229	EA		24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V) ..... Note: Excludes GB II cable.	3,006.35	385.83
26 09 23 00-0230	EA		12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V) ..... Note: Excludes GB II cable.	4,347.16	385.83
26 09 23 00-0231	EA		24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V) ..... Note: Excludes GB II cable.	5,687.96	385.83
26 09 23 00-0232	EA		Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2) ..... Note: Excludes GB II cable.	477.99	48.23
26 09 23 00-0233	EA		Wired DALI Bridge (Encelium EN-DB-1L-GB2) ..... Note: Excludes GB II cable.	546.13	48.23
26 09 23 00-0234	EA		Wireless Manager (Encelium EN-WM-ZB-P3D) ..... Note: Includes white finish.	1,459.07	48.23
26 09 23 00-0235	EA		Wireless Control Module (Encelium EN-WCM-ZB) ..... Note: Includes white finish.	202.66	24.12
26 09 23 00-0236	EA		Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR) ..... Note: Includes white finish.	239.00	24.12
26 09 23 00-0237	EA		Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK) ..... Note: Includes white finish.	239.90	24.12
26 09 23 00-0238	EA		Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR) ..... Note: Includes white finish.	248.47	24.12
26 09 23 00-0239	EA		2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) ..... Note: Includes white finish.	178.55	12.06
26 09 23 00-0240	EA		3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) ..... Note: Includes white finish.	178.55	12.06
26 09 23 00-0241	EA		3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) ..... Note: Includes white finish.	178.55	12.06
26 09 23 00-0242	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) ..... Note: Includes white finish.	178.55	12.06
26 09 23 00-0243	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) ..... Note: Includes white finish.	178.55	12.06
26 09 23 00-0244	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) ..... Note: Includes white finish.	184.45	12.06
26 09 23 00-0245	EA		315 MHz, Wireless Photocell (Encelium TAP-17C) ..... Note: Includes white finish.	396.23	48.23
26 09 23 00-0246	EA		450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB) ..... Note: Includes white finish.	250.89	48.23
26 09 23 00-0247	EA		1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB) ..... Note: Includes white finish.	250.89	48.23
26 09 23 00-0248	EA		1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR) ..... Note: Includes white finish.	287.23	48.23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0249	EA		450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	287.23	48.23
26 09 23 00-0250	EA		2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH).....	178.55	12.06
			Note: Includes white finish.		
26 09 23 00-0251	EA		3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH).....	178.55	12.06
			Note: Includes white finish.		
26 09 23 00-0252	EA		3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	178.55	12.06
			Note: Includes white finish.		
26 09 23 00-0253	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH).....	178.55	12.06
			Note: Includes white finish.		
26 09 23 00-0254	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	178.55	12.06
			Note: Includes white finish.		
26 09 23 00-0255	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW).....	184.45	12.06
			Note: Includes white finish.		
26 09 23 00-0256	EA		315 MHz, Wireless Photocell (Encelium TAP-17C).....	396.23	48.23
26 09 23 00-0257	EA		3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	178.55	12.06
26 09 23 00-0258	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH).....	178.55	12.06
26 09 23 00-0259	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	178.55	12.06
26 09 23 00-0260	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW).....	184.45	12.06
26 09 23 00-0261	EA		315 MHz, Wireless Photocell (Encelium TAP-17C).....	396.23	48.23
26 09 23 00-0262	EA		450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB).....	250.89	48.23
26 09 23 00-0263	EA		1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB).....	250.89	48.23
26 09 23 00-0264	EA		1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	287.23	48.23
26 09 23 00-0265	EA		450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	287.23	48.23
26 09 23 00-0266	EA		2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH).....	178.55	12.06
			Note: Includes white finish.		
26 09 23 00-0267	EA		3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH).....	178.55	12.06
			Note: Includes white finish.		
26 09 23 00-0268	EA		3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	178.55	12.06
			Note: Includes white finish.		
26 09 23 00-0269	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH).....	178.55	12.06
			Note: Includes white finish.		
26 09 23 00-0270	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	178.55	12.06
			Note: Includes white finish.		
26 09 23 00-0271	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW).....	184.45	12.06
26 09 23 00-0272	EA		315 MHz, Wireless Photocell (Encelium TAP-17C).....	396.23	48.23
26 09 23 00-0273	EA		Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB).....	117.35	48.23
26 09 23 00-0274	EA		Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit).....	515.84	48.23
<b>26 09 23 00-0275</b>			<b>Lighting Control Sensors (26 09 23)</b>		
26 09 23 00-0276	EA		DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI).....	274.17	21.70
26 09 23 00-0277	EA		DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI).....	274.17	21.70
26 09 23 00-0278	EA		Smart Multi-sensor (LG 9SD131VVDA.ALWB000).....	240.68	21.70
26 09 23 00-0279	EA		Zigbee Dongle (LG 9CM2315VD2.AWP01U).....	73.12	14.47
26 09 23 00-0280	EA		Clip for Performance Troffer (LG BKTTR015122.BUAAWAA).....	6.22	
26 09 23 00-0281	EA		Clip for Downlight (BKTCE015123.BUAAWAA).....	47.33	
26 09 23 00-0282	EA		Clip for Tube (LG BKTU015121.BUAAWAA).....	8.66	
<b>26 09 23 00-0283</b>			<b>Radio Controlled Devices (Lutron) (26 09 23)</b>		
<b>26 09 23 00-0284</b>			<b>Tabletop Transmitters For Radio Controlled Devices (26 09 23 00-0283)</b>		
<b>26 09 23 00-0285</b>			<b>Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0284)</b>		
26 09 23 00-0286	EA		One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH).....	357.85	14.47
26 09 23 00-0287	EA		Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH).....	464.65	14.47
26 09 23 00-0288	EA		Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH).....	584.79	14.47
<b>26 09 23 00-0289</b>			<b>Dimmable Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0284)</b>		
26 09 23 00-0290	EA		One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH).....	357.85	14.47
26 09 23 00-0291	EA		Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH).....	424.60	14.47
26 09 23 00-0292	EA		Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH).....	584.79	14.47
26 09 23 00-0293	EA		One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH).....	357.85	14.47
26 09 23 00-0294	EA		Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH).....	464.65	14.47
26 09 23 00-0295	EA		Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH).....	584.79	14.47
<b>26 09 23 00-0296</b>			<b>Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0284)</b>		
26 09 23 00-0297	EA		One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH).....	464.65	14.47
26 09 23 00-0298	EA		Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH).....	584.79	14.47
26 09 23 00-0299	EA		One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH).....	584.79	14.47
<b>26 09 23 00-0300</b>			<b>Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter (26 09 23 00-0284)</b>		
26 09 23 00-0301	EA		One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH).....	357.85	14.47
26 09 23 00-0302	EA		Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH).....	464.65	14.47

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MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 09 23 00-0303	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH) .....	424.60		14.47
26 09 23 00-0304	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH) .....	518.04		14.47
26 09 23 00-0305	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH) .....	464.65		14.47
26 09 23 00-0306	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH) .....	558.09		14.47
26 09 23 00-0307	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH) .....	464.65		14.47
<b>26 09 23 00-0308</b>		<b>Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0284)</small>			
26 09 23 00-0309	EA	One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH) .....	357.85		14.47
26 09 23 00-0310	EA	Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH) .....	464.65		14.47
26 09 23 00-0311	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH) .....	464.65		14.47
26 09 23 00-0312	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH) .....	584.79		14.47
26 09 23 00-0313	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH) .....	464.65		14.47
26 09 23 00-0314	EA	One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH) .....	584.79		14.47
<b>26 09 23 00-0315</b>		<b>Output Switch Closure Controls, Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0284)</small>			
26 09 23 00-0316	EA	Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH) .....	357.85		14.47
26 09 23 00-0317	EA	Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH) .....	464.65		14.47
26 09 23 00-0318	EA	Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH) .....	584.79		14.47
<b>26 09 23 00-0319</b>		<b>Accessories For Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0284)</small>			
26 09 23 00-0320	EA	Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH) .....	77.52		14.47
<b>26 09 23 00-0321</b>		<b>Wall Box Transmitters For Radio Controlled Devices</b> <small>(26 09 23 00-0283)</small>			
26 09 23 00-0322	EA	On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH) .....	331.15		14.47
26 09 23 00-0323	EA	Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH) .....	357.85		14.47
26 09 23 00-0324	EA	Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH) .....	357.85		14.47
26 09 23 00-0325	EA	Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH) .....	357.85		14.47
26 09 23 00-0326	EA	Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH) .....	357.85		14.47
26 09 23 00-0327	EA	Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH) .....	357.85		14.47
<b>26 09 23 00-0328</b>		<b>Interfaces For Radio Controlled Devices</b> <small>(26 09 23 00-0283)</small>			
26 09 23 00-0329	EA	Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000) .....	331.15		14.47
26 09 23 00-0330	EA	Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000) .....	331.15		14.47
26 09 23 00-0331	EA	Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000) .....	331.15		14.47
26 09 23 00-0332	EA	Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8) .....	670.23		14.47
26 09 23 00-0333	EA	RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232) .....	958.57		14.47
26 09 23 00-0334	EA	Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI) .....	958.57		14.47
<b>26 09 23 00-0335</b>		<b>Fluorescent Controllers For Radio Controlled Devices</b> <small>(26 09 23 00-0283)</small>			
26 09 23 00-0336	EA	On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW) .....	424.60		14.47
26 09 23 00-0337	EA	Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F) .....	478.00		14.47
26 09 23 00-0338	EA	Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC) .....	558.09		14.47
<b>26 09 23 00-0339</b>		<b>AC Motor Group Controllers For Radio Controlled Devices</b> <small>(26 09 23 00-0283)</small>			
26 09 23 00-0340	EA	Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC) .....	624.84		14.47
26 09 23 00-0341	EA	Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC) .....	858.45		14.47
<b>26 09 23 00-0342</b>		<b>RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®)</b> <small>(26 09 23)</small>			
<b>26 09 23 00-0343</b>		<b>RF Wireless Technology, Switches (Lutron® Maestro Wireless®)</b> <small>(26 09 23 00-0342)</small>			
26 09 23 00-0344	EA	6 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS) .....	100.05		19.29
26 09 23 00-0345	EA	8 Amperes Lighting, 5.8 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120) .....	117.05		19.29
26 09 23 00-0346	EA	8 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV) .....	180.41		19.29
26 09 23 00-0347	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS) .....	71.69		19.29
26 09 23 00-0348	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277) .....	86.54		19.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0349 EA 120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS).....	77.92	19.29
26 09 23 00-0350 EA 277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277) .....	93.07	19.29
<b>26 09 23 00-0351 RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®) (26 09 23 00-0342)</b>		
26 09 23 00-0352 EA 600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M).....	96.12	19.29
26 09 23 00-0353 EA 600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV) .....	103.97	19.29
26 09 23 00-0354 EA 600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120) .....	123.58	19.29
26 09 23 00-0355 EA 1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120).....	133.22	24.12
26 09 23 00-0356 EA 600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120).....	162.16	19.29
26 09 23 00-0357 EA 120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R).....	56.57	19.29
26 09 23 00-0358 EA 277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277).....	67.36	19.29
26 09 23 00-0359 EA 120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD) .....	60.50	19.29
26 09 23 00-0360 EA 277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277) .....	71.28	19.29
26 09 23 00-0361 EA 6 Amperes, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV) .....	185.21	33.76
<b>26 09 23 00-0362 Removal And Reinstallation Of Occupancy Sensors (26 09 23)</b>		
26 09 23 00-0363 EA Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor .....	65.11	
Note: Includes storing and cleaning.		
26 09 23 00-0364 EA Removal And Reinstallation Of Wall Mounted Occupancy Sensor .....	43.41	
Note: Includes storing and cleaning.		
<b>26 09 23 00-0365 Occupancy Sensors (Watt Stopper) (26 09 23)</b>		
Note: Includes testing of new devices and certification.		
<b>26 09 23 00-0366 Occupancy Sensors (26 09 23 00-0365)</b>		
Note: Exclude boxes.		
<b>26 09 23 00-0367 Wall Switch Mounted Occupancy Sensors (26 09 23 00-0366)</b>		
<b>26 09 23 00-0368 Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0367)</b>		
26 09 23 00-0369 EA Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100) .....	106.89	9.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.79	
26 09 23 00-0370 EA Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200).....	126.28	9.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.79	
<b>26 09 23 00-0371 Passive Infrared, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0367)</b>		
26 09 23 00-0372 EA Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100) .....	88.13	9.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.79	
26 09 23 00-0373 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS).....	82.25	9.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.79	
26 09 23 00-0374 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100) .....	93.23	9.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.79	
26 09 23 00-0375 EA Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200).....	108.06	9.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.79	
26 09 23 00-0376 EA Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD) .....	106.84	9.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.79	
<b>26 09 23 00-0377 Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0367)</b>		
26 09 23 00-0378 EA Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100).....	155.82	9.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.79	
26 09 23 00-0379 EA Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200).....	168.09	9.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.79	
<b>26 09 23 00-0380 Wall Switch Mounted Occupancy Sensor Accessories (26 09 23 00-0367)</b>		
26 09 23 00-0381 EA Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	5.99	2.41
26 09 23 00-0382 EA One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	6.97	2.41
26 09 23 00-0383 EA Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP) .....	6.97	2.41
<b>26 09 23 00-0384 Ceiling Mounted Occupancy Sensors (26 09 23 00-0366)</b>		
<b>26 09 23 00-0385 Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0384)</b>		
<b>26 09 23 00-0386 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0385)</b>		
26 09 23 00-0387 EA 500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A) .....	140.51	21.70
26 09 23 00-0388 EA 1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A) .....	161.61	21.70
26 09 23 00-0389 EA 2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A) .....	182.86	21.70
26 09 23 00-0390 EA 90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H).....	180.94	21.70

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 09 23 00-0391		<b>32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors</b> <small>(26 09 23 00-0385)</small>			
26 09 23 00-0392	EA	600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605) .....	153.00		21.70
26 09 23 00-0393	EA	1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105).....	174.40		21.70
26 09 23 00-0394	EA	2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205).....	194.66		21.70
26 09 23 00-0395	EA	90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255) .....	198.09		21.70
26 09 23 00-0396	EA	600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600) .....	165.79		21.70
26 09 23 00-0397	EA	1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100) .....	187.72		21.70
26 09 23 00-0398	EA	2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200) .....	209.57		21.70
26 09 23 00-0399	EA	90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250).....	215.86		21.70
26 09 23 00-0400		<b>40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors</b> <small>(26 09 23 00-0385)</small>			
26 09 23 00-0401	EA	500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1).....	159.18		21.70
26 09 23 00-0402	EA	1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	184.75		21.70
26 09 23 00-0403	EA	2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	206.15		21.70
26 09 23 00-0404	EA	500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	149.76		21.70
26 09 23 00-0405	EA	1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	181.98		21.70
26 09 23 00-0406	EA	2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	192.42		21.70
26 09 23 00-0407	EA	500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	160.51		21.70
26 09 23 00-0408	EA	1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	179.06		21.70
26 09 23 00-0409	EA	2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	201.97		21.70
26 09 23 00-0410		<b>Passive Infrared, Ceiling Mounted Occupancy Sensors</b> <small>(26 09 23 00-0384)</small>			
26 09 23 00-0411	EA	30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR) .....	115.88		21.70
26 09 23 00-0412	EA	HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24) .....	118.37		21.70
26 09 23 00-0413	EA	Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205) .....	124.28		21.70
26 09 23 00-0414	EA	Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355) .....	140.11		21.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.02		
26 09 23 00-0415	EA	Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305) .....	142.03		21.70
26 09 23 00-0416	EA	Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200).....	150.32		21.70
26 09 23 00-0417	EA	Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300).....	163.58		21.70
26 09 23 00-0418		<b>Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors</b> <small>(26 09 23 00-0384)</small>			
26 09 23 00-0419	EA	1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355) .....	194.48		21.70
26 09 23 00-0420	EA	1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300) .....	222.54		21.70
26 09 23 00-0421	EA	1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305) .....	188.53		21.70
26 09 23 00-0422		<b>Ceiling/Wall Mounted Occupancy Sensors</b> <small>(26 09 23 00-0386)</small>			
26 09 23 00-0423		<b>Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors</b> <small>(26 09 23 00-0422)</small>			
26 09 23 00-0424	EA	120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3) .....	239.35		21.70
26 09 23 00-0425	EA	2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100) .....	239.35		21.70
26 09 23 00-0426		<b>Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors</b> <small>(26 09 23 00-0422)</small>			
26 09 23 00-0427	EA	2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	222.54		21.70
26 09 23 00-0428		<b>Occupancy Sensor Power Packs</b> <small>(26 09 23 00-0385)</small>			
26 09 23 00-0429		<b>Single Voltage, Occupancy Sensor Power Packs</b> <small>(26 09 23 00-0428)</small>			
26 09 23 00-0430	EA	220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	77.82		19.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	11.58		
26 09 23 00-0431	EA	347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	70.69		19.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	11.58		
26 09 23 00-0432		<b>Auxiliary, Occupancy Sensor Power Packs</b> <small>(26 09 23 00-0428)</small>			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0433 EA 120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P).....	64.82	19.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
<b>26 09 23 00-0434 Universal Voltage, Power Packs For Occupancy Sensors</b> (26 09 23 00-0428)		
26 09 23 00-0435 EA 120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100).....	86.31	19.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
<b>26 09 23 00-0436 Form C, Occupancy Sensor Power Packs</b> (26 09 23 00-0428)		
26 09 23 00-0437 EA 120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P).....	78.14	19.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
26 09 23 00-0438 EA 277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P).....	78.20	19.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
<b>26 09 23 00-0439 Two Relay, Occupancy Sensor Power Packs</b> (26 09 23 00-0428)		
26 09 23 00-0440 EA 120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P).....	98.79	19.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
26 09 23 00-0441 EA 277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P).....	100.21	19.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
<b>26 09 23 00-0442 Occupancy Sensor Power Supplies</b> (26 09 23 00-0428)		
26 09 23 00-0443 EA 120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150).....	92.86	19.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
26 09 23 00-0444 EA 277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277).....	203.21	19.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
<b>26 09 23 00-0445 Intelligent, Occupancy Sensor Power Packs</b> (26 09 23 00-0428)		
26 09 23 00-0446 EA 120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100).....	269.44	19.29
<b>26 09 23 00-0447 DIN Rail Mounted, Occupancy Sensor Power Packs</b> (26 09 23 00-0428)		
26 09 23 00-0448 EA 120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100).....	85.50	19.29
<b>26 09 23 00-0449 Occupancy Sensor Accessories</b> (26 09 23 00-0365)		
<b>26 09 23 00-0450 Protective Cages For Occupancy Sensors</b> (26 09 23 00-0449)		
26 09 23 00-0451 EA Protective Cage For Occupancy Sensors (Watt Stopper WC).....	49.46	7.23
<b>26 09 23 00-0452 Mounting Brackets For Occupancy Sensors</b> (26 09 23 00-0449)		
26 09 23 00-0453 EA Mounting Bracket For Occupancy Sensor (Watt Stopper MB).....	38.09	12.06
Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.		
<b>26 09 23 00-0454 Occupancy/Lighting Logger</b> (26 09 23 00-0449)		
Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0455 EA Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	368.33	41.00
<b>26 09 23 00-0456 Digital Time Light Switches</b> (26 09 23 00-0365)		
26 09 23 00-0457 EA Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400).....	79.47	9.65
<b>26 09 23 00-0458 Occupancy Sensors (Sensor Switch)</b> (26 09 23)		
Note: Includes testing of new devices and certification.		
<b>26 09 23 00-0459 Occupancy Sensors (Sensor Switch)</b> (26 09 23 00-0458)		
Note: Exclude boxes		
<b>26 09 23 00-0460 Wall Switch Mount Occupancy Sensors (Sensor Switch)</b> (26 09 23 00-0459)		
<b>26 09 23 00-0461 Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch)</b> (26 09 23 00-0460)		
26 09 23 00-0462 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV).....	152.78	9.65
<i>For Low Temp/High Humidity Option, Add</i>	10.11	
<i>For Low Voltage Relay Option, Add</i>	12.14	
26 09 23 00-0463 EA Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL).....	108.29	9.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 09 23 00-0464 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD).....	103.39	9.65
<i>For Low Temp/High Humidity Option, Add</i>	10.11	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 09 23 00-0465 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA).....	103.39	9.65
<i>For Low Temp/High Humidity Option, Add</i>	10.11	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0466	EA		2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P).....	130.53	9.65
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 09 23 00-0467	EA		Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	130.53	9.65
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
26 09 23 00-0468	EA		2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P).....	158.35	9.65
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
26 09 23 00-0469	EA		Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD).....	130.53	9.65
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
<b>26 09 23 00-0470</b>			<b>Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch)</b>		
			<small>(26 09 23 00-0460)</small> Note: Includes passive infrared and microphonics detection		
26 09 23 00-0471	EA		Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	197.28	9.65
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Low Voltage Relay Option, Add</i>	12.14	
26 09 23 00-0472	EA		Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL).....	152.78	9.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 09 23 00-0473	EA		Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT).....	149.45	9.65
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 09 23 00-0474	EA		Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA).....	149.45	9.65
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 09 23 00-0475	EA		2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P).....	175.03	9.65
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 09 23 00-0476	EA		Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT).....	175.03	9.65
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
26 09 23 00-0477	EA		2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P).....	188.38	9.65
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
<b>26 09 23 00-0478</b>			<b>Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch)</b> <small>(26 09 23 00-0460)</small>		
26 09 23 00-0479	EA		One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX).....	13.72	2.41
26 09 23 00-0480	EA		One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX).....	13.72	2.41
26 09 23 00-0481	EA		Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3).....	27.07	2.41
26 09 23 00-0482	EA		Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3).....	27.07	2.41
<b>26 09 23 00-0483</b>			<b>360 Degree View Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0459)</small>		
<b>26 09 23 00-0484</b>			<b>Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0483)</small>		
			Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0485	EA		Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9).....	176.90	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i>	20.23	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Low Voltage Relay Option, Add</i>	12.14	
			<i>For Photocell Option With Dimming Capability, Add</i>	30.34	
26 09 23 00-0486	EA		Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9).....	176.90	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i>	20.23	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Low Voltage Relay Option, Add</i>	12.14	
			<i>For Photocell Option With Dimming Capability, Add</i>	30.34	
26 09 23 00-0487	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9).....	176.90	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i>	20.23	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Low Voltage Relay Option, Add</i>	12.14	
			<i>For Photocell Option With Dimming Capability, Add</i>	30.34	
26 09 23 00-0488	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9).....	188.03	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i>	20.23	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Photocell Option With Dimming Capability, Add</i>	30.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0489	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9).....	188.03	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i>	20.23	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Photocell Option With Dimming Capability, Add</i>	30.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0490	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9).....	152.43	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i>	20.23	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Photocell Option With Dimming Capability, Add</i>	30.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0491	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P).....	232.53	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell Option With Dual Zone On/Off, Add</i>	30.34	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0492	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P).....	232.53	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell Option With Dual Zone On/Off, Add</i>	30.34	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0493	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P).....	196.93	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell Option With Dual Zone On/Off, Add</i>	30.34	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0494	EA		Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10).....	176.90	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i>	20.23	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Low Voltage Relay Option, Add</i>	12.14	
			<i>For Photocell Option With Dimming Capability, Add</i>	30.34	
26 09 23 00-0495	EA		Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10).....	176.90	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i>	20.23	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Low Voltage Relay Option, Add</i>	12.14	
			<i>For Photocell Option With Dimming Capability, Add</i>	30.34	
26 09 23 00-0496	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10).....	176.90	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i>	20.23	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Low Voltage Relay Option, Add</i>	12.14	
			<i>For Photocell Option With Dimming Capability, Add</i>	30.34	
26 09 23 00-0497	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10).....	188.03	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i>	20.23	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Photocell Option With Dimming Capability, Add</i>	30.34	
26 09 23 00-0498	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10).....	188.03	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i>	20.23	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Photocell Option With Dimming Capability, Add</i>	30.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0499	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10).....	152.43	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i>	20.23	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Photocell Option With Dimming Capability, Add</i>	30.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0500	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P).....	232.53	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell Option With Dual Zone On/Off, Add</i>	30.34	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0501	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P).....	232.53	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell Option With Dual Zone On/Off, Add</i>	30.34	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0502	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P).....	196.93	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell Option With Dual Zone On/Off, Add</i>	30.34	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 09 23 00-0503		<b>Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch)</b> <sup>(26)</sup> <small>(09 23 00-0483)</small> Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection			
26 09 23 00-0504	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9) .....	221.40		21.70
		<i>For Low Temp/High Humidity Option, Add</i>	10.11		
		<i>For Occupancy Controlled Dimming Option, Add</i>	20.23		
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14		
		<i>For Low Voltage Relay Option, Add</i>	12.14		
		<i>For Photocell Option With Dimming Capability, Add</i>	30.34		
26 09 23 00-0505	EA	Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9) .....	221.40		21.70
		<i>For Low Temp/High Humidity Option, Add</i>	10.11		
		<i>For Occupancy Controlled Dimming Option, Add</i>	20.23		
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14		
		<i>For Low Voltage Relay Option, Add</i>	12.14		
		<i>For Photocell Option With Dimming Capability, Add</i>	30.34		
26 09 23 00-0506	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9) .....	221.40		21.70
		<i>For Low Temp/High Humidity Option, Add</i>	10.11		
		<i>For Occupancy Controlled Dimming Option, Add</i>	20.23		
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14		
		<i>For Low Voltage Relay Option, Add</i>	12.14		
		<i>For Photocell Option With Dimming Capability, Add</i>	30.34		
26 09 23 00-0507	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9) .....	210.28		21.70
		<i>For Low Temp/High Humidity Option, Add</i>	10.11		
		<i>For Occupancy Controlled Dimming Option, Add</i>	20.23		
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14		
		<i>For Photocell Option With Dimming Capability, Add</i>	30.34		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02		
26 09 23 00-0508	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9) .....	210.28		21.70
		<i>For Low Temp/High Humidity Option, Add</i>	10.11		
		<i>For Occupancy Controlled Dimming Option, Add</i>	20.23		
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14		
		<i>For Photocell Option With Dimming Capability, Add</i>	30.34		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02		
26 09 23 00-0509	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9) .....	174.68		21.70
		<i>For Low Temp/High Humidity Option, Add</i>	10.11		
		<i>For Occupancy Controlled Dimming Option, Add</i>	20.23		
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14		
		<i>For Photocell Option With Dimming Capability, Add</i>	30.34		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02		
26 09 23 00-0510	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P) .....	254.77		21.70
		<i>For Low Temp/High Humidity Option, Add</i>	10.11		
		<i>For Photocell Option With Dual Zone On/Off, Add</i>	30.34		
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02		
26 09 23 00-0511	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P) .....	254.77		21.70
		<i>For Low Temp/High Humidity Option, Add</i>	10.11		
		<i>For Photocell Option With Dual Zone On/Off, Add</i>	30.34		
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02		
26 09 23 00-0512	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P) .....	219.18		21.70
		<i>For Low Temp/High Humidity Option, Add</i>	10.11		
		<i>For Photocell Option With Dual Zone On/Off, Add</i>	30.34		
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02		
26 09 23 00-0513	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10) .....	221.40		21.70
		<i>For Low Temp/High Humidity Option, Add</i>	10.11		
		<i>For Occupancy Controlled Dimming Option, Add</i>	20.23		
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14		
		<i>For Low Voltage Relay Option, Add</i>	12.14		
		<i>For Photocell Option With Dimming Capability, Add</i>	30.34		
26 09 23 00-0514	EA	Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10) .....	221.40		21.70
		<i>For Low Temp/High Humidity Option, Add</i>	10.11		
		<i>For Occupancy Controlled Dimming Option, Add</i>	20.23		
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14		
		<i>For Low Voltage Relay Option, Add</i>	12.14		
		<i>For Photocell Option With Dimming Capability, Add</i>	30.34		
26 09 23 00-0515	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10) .....	221.40		21.70
		<i>For Low Temp/High Humidity Option, Add</i>	10.11		
		<i>For Occupancy Controlled Dimming Option, Add</i>	20.23		
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14		
		<i>For Low Voltage Relay Option, Add</i>	12.14		
		<i>For Photocell Option With Dimming Capability, Add</i>	30.34		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0516	EA		Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10).....	210.28	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i>	20.23	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Photocell Option With Dimming Capability, Add</i>	30.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0517	EA		Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10).....	210.28	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i>	20.23	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Photocell Option With Dimming Capability, Add</i>	30.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0518	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10).....	174.68	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i>	20.23	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Photocell Option With Dimming Capability, Add</i>	30.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0519	EA		2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P).....	254.77	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell Option With Dual Zone On/Off, Add</i>	30.34	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0520	EA		2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P).....	254.77	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell Option With Dual Zone On/Off, Add</i>	30.34	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0521	EA		2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P).....	219.18	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell Option With Dual Zone On/Off, Add</i>	30.34	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0522			<b>Wide View And Hallway Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0459)</small>		
26 09 23 00-0523			<b>Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0522)</small>		
26 09 23 00-0524	EA		Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16).....	176.90	21.70
			<i>For Ceiling Mount, Add</i>	20.23	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Low Voltage Relay Option, Add</i>	12.14	
26 09 23 00-0525	EA		Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13).....	199.15	21.70
			<i>For Ceiling Mount, Add</i>	20.23	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Low Voltage Relay Option, Add</i>	12.14	
26 09 23 00-0526	EA		Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13).....	243.65	21.70
			<i>For Ceiling Mount, Add</i>	20.23	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
26 09 23 00-0527	EA		Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16).....	232.53	21.70
			<i>For Ceiling Mount, Add</i>	20.23	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0528	EA		2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P).....	277.02	21.70
			<i>For Ceiling Mount, Add</i>	20.23	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0529			<b>Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0522)</small>		
			Note: Includes passive infrared and microphonics detection		
26 09 23 00-0530	EA		Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16).....	221.40	21.70
			<i>For Ceiling Mount, Add</i>	20.23	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Low Voltage Relay Option, Add</i>	12.14	
26 09 23 00-0531	EA		Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16).....	254.77	21.70
			<i>For Ceiling Mount, Add</i>	20.23	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0532	EA		2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P).....	299.27	21.70
			<i>For Ceiling Mount, Add</i>	20.23	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 09 23 00-0533		High Bay Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0459)</small>			
26 09 23 00-0534		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0533)</small>			
26 09 23 00-0535	EA	Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6).....	176.90		21.70
		For Low Temp/High Humidity Option, Add	10.11		
		For Occupancy Controlled Dimming Option, Add	20.23		
		For Photozell Option, Add	20.23		
		For Low Voltage Relay Option, Add	12.14		
26 09 23 00-0536	EA	Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6).....	176.90		21.70
		For Low Temp/High Humidity Option, Add	10.11		
		For Occupancy Controlled Dimming Option, Add	20.23		
		For Photozell Option, Add	20.23		
		For Low Voltage Relay Option, Add	12.14		
26 09 23 00-0537	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6).....	176.90		21.70
		For Low Temp/High Humidity Option, Add	10.11		
		For Occupancy Controlled Dimming Option, Add	20.23		
		For Photozell Option, Add	20.23		
		For Low Voltage Relay Option, Add	12.14		
26 09 23 00-0538	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6).....	152.43		21.70
		For Low Temp/High Humidity Option, Add	10.11		
		For Occupancy Controlled Dimming Option, Add	20.23		
		For Start To High, HID Option, Add	12.14		
		For Photozell Option, Add	20.23		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.02		
26 09 23 00-0539	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6).....	152.43		21.70
		For Low Temp/High Humidity Option, Add	10.11		
		For Occupancy Controlled Dimming Option, Add	20.23		
		For Start To High, HID Option, Add	12.14		
		For Photozell Option, Add	20.23		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.02		
26 09 23 00-0540	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6).....	152.43		21.70
		For Low Temp/High Humidity Option, Add	10.11		
		For Occupancy Controlled Dimming Option, Add	20.23		
		For Start To High, HID Option, Add	12.14		
		For Photozell Option, Add	20.23		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.02		
26 09 23 00-0541	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P).....	196.93		21.70
		For Low Temp/High Humidity Option, Add	10.11		
		For Photozell Option, Add	20.23		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.02		
26 09 23 00-0542	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P).....	196.93		21.70
		For Low Temp/High Humidity Option, Add	10.11		
		For Photozell Option, Add	20.23		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.02		
26 09 23 00-0543	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P).....	196.93		21.70
		For Low Temp/High Humidity Option, Add	10.11		
		For Photozell Option, Add	20.23		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.02		
26 09 23 00-0544	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208).....	168.00		21.70
		For Low Temp/High Humidity Option, Add	10.11		
		For Photozell Option, Add	20.23		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.02		
26 09 23 00-0545	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208).....	168.00		21.70
		For Low Temp/High Humidity Option, Add	10.11		
		For Photozell Option, Add	20.23		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.02		
26 09 23 00-0546	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208).....	168.00		21.70
		For Low Temp/High Humidity Option, Add	10.11		
		For Photozell Option, Add	20.23		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.02		
26 09 23 00-0547	EA	480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480).....	168.00		21.70
		For Low Temp/High Humidity Option, Add	10.11		
		For Photozell Option, Add	20.23		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.02		
26 09 23 00-0548	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480).....	168.00		21.70
		For Low Temp/High Humidity Option, Add	10.11		
		For Photozell Option, Add	20.23		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.02		
26 09 23 00-0549	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480).....	168.00		21.70
		For Low Temp/High Humidity Option, Add	10.11		
		For Photozell Option, Add	20.23		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.02		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0550	EA		Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50).....	199.15	21.70
			<i>For Low Temp/High Humidity Option, Add</i> .....	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i> .....	20.23	
			<i>For Low Voltage Relay Option, Add</i> .....	12.14	
26 09 23 00-0551	EA		Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50).....	199.15	21.70
			<i>For Low Temp/High Humidity Option, Add</i> .....	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i> .....	20.23	
			<i>For Low Voltage Relay Option, Add</i> .....	12.14	
26 09 23 00-0552	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50).....	199.15	21.70
			<i>For Low Temp/High Humidity Option, Add</i> .....	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i> .....	20.23	
			<i>For Photocell Option, Add</i> .....	20.23	
			<i>For Low Voltage Relay Option, Add</i> .....	12.14	
26 09 23 00-0553	EA		Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50).....	241.43	21.70
			<i>For Low Temp/High Humidity Option, Add</i> .....	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i> .....	20.23	
			<i>For Start To High, HID Option, Add</i> .....	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.02	
26 09 23 00-0554	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50).....	241.43	21.70
			<i>For Low Temp/High Humidity Option, Add</i> .....	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i> .....	20.23	
			<i>For Start To High, HID Option, Add</i> .....	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.02	
26 09 23 00-0555	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50).....	241.43	21.70
			<i>For Low Temp/High Humidity Option, Add</i> .....	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i> .....	20.23	
			<i>For Start To High, HID Option, Add</i> .....	12.14	
			<i>For Photocell Option, Add</i> .....	20.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.02	
26 09 23 00-0556	EA		2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P).....	212.50	21.70
			<i>For Low Temp/High Humidity Option, Add</i> .....	10.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.02	
26 09 23 00-0557	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P).....	212.50	21.70
			<i>For Low Temp/High Humidity Option, Add</i> .....	10.11	
			<i>For Photocell Option, Add</i> .....	20.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.02	
26 09 23 00-0558	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208).....	179.13	21.70
			<i>For Low Temp/High Humidity Option, Add</i> .....	10.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.02	
26 09 23 00-0559	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208).....	179.13	21.70
			<i>For Low Temp/High Humidity Option, Add</i> .....	10.11	
			<i>For Photocell Option, Add</i> .....	20.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.02	
26 09 23 00-0560	EA		480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480).....	179.13	21.70
			<i>For Low Temp/High Humidity Option, Add</i> .....	10.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.02	
26 09 23 00-0561	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480).....	179.13	21.70
			<i>For Low Temp/High Humidity Option, Add</i> .....	10.11	
			<i>For Photocell Option, Add</i> .....	20.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.02	
26 09 23 00-0562	EA		Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10).....	199.15	21.70
			<i>For Low Temp/High Humidity Option, Add</i> .....	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i> .....	20.23	
			<i>For Low Voltage Relay Option, Add</i> .....	12.14	
26 09 23 00-0563	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10).....	199.15	21.70
			<i>For Low Temp/High Humidity Option, Add</i> .....	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i> .....	20.23	
			<i>For Low Voltage Relay Option, Add</i> .....	12.14	
26 09 23 00-0564	EA		Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10).....	241.43	21.70
			<i>For Low Temp/High Humidity Option, Add</i> .....	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i> .....	20.23	
			<i>For Start To High, HID Option, Add</i> .....	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.02	
26 09 23 00-0565	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10).....	241.43	21.70
			<i>For Low Temp/High Humidity Option, Add</i> .....	10.11	
			<i>For Occupancy Controlled Dimming Option, Add</i> .....	20.23	
			<i>For Start To High, HID Option, Add</i> .....	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.02	
26 09 23 00-0566	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P).....	232.53	21.70
			<i>For Low Temp/High Humidity Option, Add</i> .....	10.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.02	

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0567	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480).....	210.28	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0568	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208).....	210.28	21.70
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
<b>26 09 23 00-0569</b>			<b>Occupancy Sensor Power Packs (Sensor Switch)</b> <small>(26 09 23 00-0458)</small>		
26 09 23 00-0570	EA		Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20).....	100.89	19.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
26 09 23 00-0571	EA		2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P).....	145.38	19.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
26 09 23 00-0572	EA		Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20).....	78.64	19.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
26 09 23 00-0573	EA		2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20).....	71.96	19.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
26 09 23 00-0574	EA		20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20).....	94.21	19.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
26 09 23 00-0575	EA		120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH).....	149.83	19.29
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
26 09 23 00-0576	EA		120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR).....	149.83	19.29
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
26 09 23 00-0577	EA		120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM).....	149.83	19.29
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
<b>26 09 23 00-0578</b>			<b>Daylighting Control (Sensor Switch)</b> <small>(26 09 23 00-0458)</small>		
26 09 23 00-0579	EA		Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC).....	154.65	21.70
			<i>For Dual Zone Option, Add</i>	30.34	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
26 09 23 00-0580	EA		Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC).....	154.65	21.70
			<i>For Dual Zone Option, Add</i>	30.34	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
26 09 23 00-0581	EA		Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC).....	154.65	21.70
			<i>For Dual Zone Option, Add</i>	30.34	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
26 09 23 00-0582	EA		Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC).....	154.65	21.70
			<i>For Dual Zone Option, Add</i>	30.34	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For 480 Volt AC Option, Add</i>	14.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0583	EA		Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC).....	154.65	21.70
			<i>For Dual Zone Option, Add</i>	30.34	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For 480 Volt AC Option, Add</i>	14.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0584	EA		Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC).....	154.65	21.70
			<i>For Dual Zone Option, Add</i>	30.34	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For 480 Volt AC Option, Add</i>	14.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0585	EA		Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC).....	154.65	21.70
			<i>For Dual Zone Option, Add</i>	30.34	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
26 09 23 00-0586	EA		Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC).....	154.65	21.70
			<i>For Dual Zone Option, Add</i>	30.34	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
26 09 23 00-0587	EA		Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC).....	154.65	21.70
			<i>For Dual Zone Option, Add</i>	30.34	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
26 09 23 00-0588	EA		Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC).....	154.65	21.70
			<i>For Dual Zone Option, Add</i>	30.34	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0589	EA		Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC).....	154.65	21.70
			<i>For Dual Zone Option, Add</i>	30.34	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0590	EA		Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC).....	154.65	21.70
			<i>For Dual Zone Option, Add</i>	30.34	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 09 23 00-0591	EA		Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC).....	221.40	21.70
			<i>For Dual Zone Option, Add</i>	30.34	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	
26 09 23 00-0592	EA		Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC).....	221.40	21.70
			<i>For Dual Zone Option, Add</i>	30.34	
			<i>For Low Temp/High Humidity Option, Add</i>	10.11	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 09 23 00-0593	EA		Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC).....	221.40	21.70
				<i>For Dual Zone Option, Add</i> .....	30.34	
				<i>For Low Temp/High Humidity Option, Add</i> .....	10.11	
	26 09 23 00-0594	EA		Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC).....	221.40	21.70
				<i>For Dual Zone Option, Add</i> .....	30.34	
				<i>For Low Temp/High Humidity Option, Add</i> .....	10.11	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.02	
	26 09 23 00-0595	EA		Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC).....	221.40	21.70
				<i>For Dual Zone Option, Add</i> .....	30.34	
				<i>For Low Temp/High Humidity Option, Add</i> .....	10.11	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.02	
	26 09 23 00-0596	EA		Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC).....	221.40	21.70
				<i>For Dual Zone Option, Add</i> .....	30.34	
				<i>For Low Temp/High Humidity Option, Add</i> .....	10.11	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.02	
	26 09 23 00-0597			<b>Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23) Note: Includes testing of new devices and certification.		
	26 09 23 00-0598			<b>Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0597) Note: Excludes boxes.		
	26 09 23 00-0599			<b>Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0598)		
	26 09 23 00-0600			<b>Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0599) Note: Includes passive infrared and microphonics detection		
	26 09 23 00-0601	EA		Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	236.57	9.65
	26 09 23 00-0602			<b>360 Degree View Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0598)		
	26 09 23 00-0603			<b>Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0602) Note: One photocell or dimming option per occupancy sensor		
	26 09 23 00-0604	EA		Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	282.17	21.70
	26 09 23 00-0605	EA		Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	282.17	21.70
	26 09 23 00-0606	EA		Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC).....	282.17	21.70
	26 09 23 00-0607			<b>Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0602) Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
	26 09 23 00-0608	EA		Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	329.92	21.70
	26 09 23 00-0609	EA		Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	329.92	21.70
	26 09 23 00-0610	EA		2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	341.84	21.70
	26 09 23 00-0611			<b>Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0598)		
	26 09 23 00-0612			<b>Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0611) Note: Includes passive infrared and microphonics detection		
	26 09 23 00-0613	EA		Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16).....	329.92	21.70
	26 09 23 00-0614			<b>High Bay Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0598)		
	26 09 23 00-0615			<b>Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0614)		
	26 09 23 00-0616	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6).....	282.17	21.70
	26 09 23 00-0617			<b>Occupancy Sensor Power Packs (Sensor Switch nLight®)</b> (26 09 23 00-0597)		
	26 09 23 00-0618	EA		150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	98.28	19.29
	26 09 23 00-0619	EA		250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	122.18	19.29
	26 09 23 00-0620	EA		30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO).....	162.75	19.29
	26 09 23 00-0621	EA		System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16).....	162.75	19.29
	26 09 23 00-0622			<b>Occupancy Sensor Accessories (Sensor Switch nLight®)</b> (26 09 23 00-0597)		
	26 09 23 00-0623	EA		RS232 AV Integrator (Sensor Switch nLight® nIO X).....	341.84	21.70

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 09 23 00-0624	EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT).....	277.21		21.70
<b>26 09 23 00-0625</b>		<b>Daylighting Controls (Sensor Switch nLight®) (26 09 23 00-0597)</b>			
26 09 23 00-0626	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC).....	234.42		21.70
<b>26 09 23 00-0627</b>		<b>Controls (Sensor Switch nLight®) (26 09 23 00-0597)</b>			
26 09 23 00-0628	EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	155.63		21.70
26 09 23 00-0629	EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB).....	222.50		21.70
26 09 23 00-0630	EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM).....	509.00		21.70
26 09 23 00-0631	EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX).....	509.00		21.70
26 09 23 00-0632	EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	1,893.81		21.70
<b>26 09 23 00-0633</b>		<b>Occupancy Sensors (Lutron) (26 09 23)</b>			
		Note: Includes testing of new devices and certification.			
<b>26 09 23 00-0634</b>		<b>Wireless Occupancy Sensors (26 09 23 00-0633)</b>			
26 09 23 00-0635	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH).....	116.95		21.70
26 09 23 00-0636	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH).....	121.86		21.70
26 09 23 00-0637	EA	Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH).....	118.12		21.70
26 09 23 00-0638	EA	Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH).....	124.65		21.70
26 09 23 00-0639	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH).....	119.58		21.70
26 09 23 00-0640	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH).....	124.65		21.70
26 09 23 00-0641	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH).....	116.95		21.70
26 09 23 00-0642	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH).....	119.58		21.70
26 09 23 00-0643	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V).....	118.12		21.70
26 09 23 00-0644	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH).....	179.66		21.70
26 09 23 00-0645	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH).....	191.38		21.70
26 09 23 00-0646	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH).....	217.75		21.70
26 09 23 00-0647	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH).....	229.47		21.70
26 09 23 00-0648	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH).....	235.33		21.70
26 09 23 00-0649	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH).....	247.05		21.70
26 09 23 00-0650	EA	Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH).....	142.73		21.70
26 09 23 00-0651	EA	Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH).....	150.35		21.70
26 09 23 00-0652	EA	Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH).....	175.26		21.70
26 09 23 00-0653	EA	Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH).....	194.31		21.70
26 09 23 00-0654	EA	Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH).....	208.96		21.70
26 09 23 00-0655	EA	Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH).....	181.12		21.70
26 09 23 00-0656	EA	Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH).....	166.85		21.70
26 09 23 00-0657	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH).....	140.38		21.70
26 09 23 00-0658	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH).....	171.60		21.70
26 09 23 00-0659	EA	Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C).....	207.32		21.70
26 09 23 00-0660	EA	Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H).....	219.74		21.70
26 09 23 00-0661	EA	Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K).....	219.74		21.70
26 09 23 00-0662	EA	Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W).....	219.74		21.70
26 09 23 00-0663	EA	Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V).....	231.11		21.70
26 09 23 00-0664	EA	Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W).....	373.99		31.35
<b>26 09 23 00-0665</b>		<b>Nodes And Modules (26 09 23 00-0633)</b>			
26 09 23 00-0666	EA	0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C).....	186.98		21.70
26 09 23 00-0667	EA	0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J).....	186.98		21.70
26 09 23 00-0668	EA	4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C).....	235.33		21.70
26 09 23 00-0669	EA	4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J).....	235.33		21.70
26 09 23 00-0670	EA	120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH).....	300.22		24.12
26 09 23 00-0671	EA	120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH).....	300.22		24.12
26 09 23 00-0672	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH).....	363.23		24.12
26 09 23 00-0673	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH).....	372.02		24.12
26 09 23 00-0674	EA	120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH).....	458.46		24.12
26 09 23 00-0675	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH).....	486.30		24.12
26 09 23 00-0676	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH).....	514.14		24.12
26 09 23 00-0677	EA	1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2).....	1,384.82		38.59
26 09 23 00-0678	EA	2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4).....	1,361.51		43.41
26 09 23 00-0679	EA	3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6).....	1,993.86		48.23

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**26 09 23 00-0680**

**Other Accessories** (26 09 23 00-0633)

26 09 23 00-0681	EA	Pico® Wireless Control Wallplate Adapter (Lutron® PJ) .....	31.56	
26 09 23 00-0682	EA	Pico® Wireless Control (Lutron® PJ).....	37.90	
26 09 23 00-0683	EA	4-Scene Wireless Remote Control (Lutron® GRX-IT-WH) .....	112.20	
26 09 23 00-0684	EA	8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH) .....	213.29	
26 09 23 00-0685	EA	4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL).....	226.88	21.70
26 09 23 00-0686	EA	seeTouch® QS Wallstation (Lutron® QSWS2).....	286.26	21.70
26 09 23 00-0687	EA	seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2) .....	286.26	21.70
26 09 23 00-0688	EA	120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S).....	467.25	24.12
26 09 23 00-0689	EA	120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S) .....	638.68	24.12
26 09 23 00-0690	EA	Control Interface (Lutron® QSE-CI-NWK-E).....	767.19	21.70
26 09 23 00-0691	EA	1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S) .....	761.34	21.70
26 09 23 00-0692	EA	2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S) .....	1,017.75	21.70
26 09 23 00-0693	MLF	5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S) .....	1,787.19	673.83
26 09 23 00-0694	MLF	5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S) .....	2,373.25	673.83

**26 09 23 00-0695**

**Wired Occupancy Sensors** (26 09 23 00-0633)

26 09 23 00-0696	EA	120 Volt, Dimmer With Occupancy Sensor (Lutron® MS-OP600M).....	95.14	24.12
26 09 23 00-0697	EA	120 Volt, Eco-dim Dimmer With Occupancy Sensor (Lutron® MS-OP600GHW) .....	99.69	24.12
26 09 23 00-0698	EA	120 Volt, Dimmer With Vacancy Sensor (Lutron® MS-VP600M).....	95.14	24.12
26 09 23 00-0699	EA	120 Volt, Eco-dim Dimmer With Vacancy Sensor (Lutron® MS-VP600GHW).....	99.69	24.12
26 09 23 00-0700	EA	120 Volt, Occupancy Sensor Switch (Lutron® MS-OPS2).....	73.34	24.12
26 09 23 00-0701	EA	120 Volt, 3-Way Occupancy Sensor Switch (Lutron® MS-OPS5M) .....	86.17	24.12
26 09 23 00-0702	EA	120 Volt, 3-Way Occupancy Sensor With Dual Voltage Switch (Lutron® MS-OPS6M2-DV).....	118.94	24.12
26 09 23 00-0703	EA	120 Volt, 3-Way Occupancy Sensor With Dual Voltage Switch (Lutron® MS-OPS6M2N-DV) .....	105.44	24.12
26 09 23 00-0704	EA	120 Volt, Vacancy Sensor Switch (Lutron® MS-VPS2) .....	71.61	24.12
26 09 23 00-0705	EA	120 Volt, 3-Way Vacancy Sensor Switch (Lutron® MS-VPS5M).....	86.17	24.12
26 09 23 00-0706	EA	120 Volt, 3-Way Vacancy Sensor With Dual Voltage Switch (Lutron® MS-VPS6M2-DV) .....	113.90	24.12
26 09 23 00-0707	EA	120 Volt, 3-Way Vacancy Sensor With Dual Voltage Switch (Lutron® MS-VPS6M2N-DV).....	96.75	24.12

**26 09 23 00-0708**

**Fixture Mounted Occupancy Sensors (Leviton)** (26 09 23)

Note: Includes testing of new devices and certification.

26 09 23 00-0709	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW) .....	112.26	21.70
26 09 23 00-0710	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W).....	98.78	21.70
26 09 23 00-0711	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW).....	123.39	21.70
26 09 23 00-0712	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W).....	98.78	21.70
26 09 23 00-0713	EA	120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT) .....	159.08	9.63

**26 09 23 00-0714**

**Wireless Enabled Communication Devices For Streetlights** (26 09 23)

Note: Includes testing of new devices and certification.

**26 09 23 00-0715**

**Wireless Enabled Communication Devices For Streetlights (Roam®)** (26 09 23 00-0714)

**26 09 23 00-0716**

**Wireless Enabled Communication Nodes For Streetlights (Roam®)** (26 09 23 00-0715)

Note: 2.4GHz wireless enabled communication node for wireless remote on/off, group scheduling, photocontrol and diagnostics.

26 09 23 00-0717	EA	120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1).....	242.54	
26 09 23 00-0718	EA	480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1).....	338.05	

**26 09 23 00-0719**

**Wireless Enabled Communication Devices For Streetlights (Roam®)** (26 09 23 00-0715)

26 09 23 00-0720	EA	Retrofit Receptacle Kit (Roam® DUR103).....	44.38	
Note: For adapting light fixtures for use with a NEMA locking type photocontrol.				
26 09 23 00-0721	EA	Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127) .....	9,661.00	55.29

**26 09 23 00-0722**

**Counter Mounted Consolets** (26 09 23)

26 09 23 00-0723	EA	20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24).....	495.80	120.32
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**26 09 23 00-0724**

**Lighting Console And Stations** (26 09 23)

26 09 23 00-0725	EA	80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40).....	3,433.09	120.32
For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add			73.82	
For Lighting Console Case (ETC ColorSourcePart 11866), Add			787.13	
26 09 23 00-0726	EA	10 Preset, Lighting Control Station (Doug Fleenor PRE10-A2).....	2,369.02	72.19

**26 09 23 00-0727**

**Theatre Lighting Console** (26 09 23)

26 09 23 00-0728	EA	Theatre Lighting Console (ETC Colorsources 20) .....	2,477.13	144.39
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**26 09 23 00-0729**

**Outdoor Lighting Controls** (26 09 23)

26 09 23 00-0730	EA	1 Channel 365 Day Outdoor Lighting Control Tork #DZS-100.....	768.00	96.26
26 09 23 00-0731	EA	2 Channel 365 Day Outdoor Lighting Control Tork #DZS-200.....	915.27	96.26
26 09 23 00-0732	EA	Astro 365 Day Outdoor Lighting Control Tork #DZS-400A.....	1,601.77	96.26

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0733	EA		4 Circuit, 120 Volt, 10 Amperes, Timer Tork #K400Z.....	2,079.68	48.13
26 09 23 00-0734	EA		6 Circuit, 120 Volt, 10 Amperes, Timer (Tork #K600Z).....	2,840.64	48.13
26 09 23 00-0735	EA		8 Circuit, 120 Volt, 10 Amperes, Timer (Tork #K800Z).....	3,324.28	48.13
26 09 23 00-0736	EA		SPST, 120 Volt Photoelectric Control Tork #2101.....	78.11	25.03
26 09 23 00-0737	EA		SPST, 208/277 Volt Photoelectric Control Tork #2104.....	85.59	25.03
26 09 23 00-0738	EA		SPST, 120 Volt Photoelectric Control Tork #2105.....	104.96	25.03
26 09 23 00-0739	EA		120-277 Volt, 2,000 Watt Photoelectric Control Tork #2107.....	98.26	25.03
<b>26 09 23 00-0740</b>			<b>Emergency Lighting Controls (26 09 23)</b>		
<b>26 09 23 00-0741</b>			<b>Emergency Lighting Control Units (Watt Stopper ELCU) (26 09 23 00-0740)</b>		
			Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0742	EA		DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100).....	183.40	24.12
26 09 23 00-0743	EA		1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200).....	183.40	24.12
<b>26 09 23 00-0744</b>			<b>Emergency Shunt Relays (Lighting Control &amp; Design GR 2001™) (26 09 23 00-0740)</b>		
			Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0745	EA		1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	283.21	33.76
26 09 23 00-0746	EA		2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	385.17	38.59
26 09 23 00-0747	EA		2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual).....	518.16	43.41
			Note: Controls normal and emergency lighting from single-pole wall switch.		
<b>26 09 23 00-0748</b>			<b>Photocells (26 09 23)</b>		
26 09 23 00-0749	EA		Plug-In Photocell For Lighting Fixtures (Intermac® LC2000).....	72.33	
26 09 23 00-0750	EA		Wired Photocell For Lighting Fixtures (Intermac® K4021C).....	169.33	
<b>26 09 23 00-0751</b>			<b>Outdoor Lighting Motion Sensors (26 09 23)</b>		
26 09 23 00-0752	EA		70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000).....	94.60	24.12
26 09 23 00-0753	EA		70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000).....	103.00	24.12
26 09 23 00-0754	EA		30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR).....	415.14	24.12
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.47	
<b>26 09 23 00-0755</b>			<b>Street Light Controls (26 09 23)</b>		
<b>26 09 23 00-0756</b>			<b>Photo Controls (26 09 23 00-0755)</b>		
26 09 23 00-0757	EA		Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014.....	83.15	
26 09 23 00-0758	EA		Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016.....	96.39	
<b>26 09 23 00-0759</b>			<b>Connector Node (26 09 23 00-0755)</b>		
26 09 23 00-0760	EA		Outdoor Lighting Connector Node (Philips City Touch LLC7260).....	376.66	2.79

**26 10 Medium-Voltage Electrical Distribution (26)****26 11 Substations (26 10)****26 11 13 Primary Unit Substations (26 11)****26 11 13 00-0001 "Switchyard" Substation Primary Incoming Section (26 11 13)****26 11 13 00-0002 Outdoor Oil Circuit Breakers "Switchyard" (26 11 13 00-0001)**

Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment

26 11 13 00-0003	EA		14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	54,861.90	1,682.89
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,027.06	
26 11 13 00-0004	EA		23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	67,291.41	2,128.36
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,283.82	
26 11 13 00-0005	EA		34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	76,293.12	2,128.36
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,283.82	
26 11 13 00-0006	EA		46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	87,766.85	2,128.36
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,369.41	
26 11 13 00-0007	EA		69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	99,562.73	2,623.33
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,580.09	

**26 11 13 00-0008 Accessories For Outdoor Oil Circuit Breakers (26 11 13 00-0001)**

26 11 13 00-0009	EA		Reclosure Relay, Adjustable, 3 Shot, #179.....	1,473.32	175.86
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	104.13	
26 11 13 00-0010	EA		Overcurrent Relay, 1 Phase, #51/51N.....	452.41	127.50
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.45	
26 11 13 00-0011	EA		Directional Overcurrent Relay, Three-Phase, Device No. 67.....	684.80	127.50
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	86.54	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 11 13 00-0012	EA		Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	541.21 69.45	127.50
	26 11 13 00-0013	EA		Differential Relay Package, Complete, Device No. 87 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,024.48 260.17	430.87
	<b>26 11 13 00-0014</b>			<b>"Switchyard", Substation Transformer Section</b> <small>(26 11 13)</small> Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range		
	<b>26 11 13 00-0015</b>			<b>14.4 KV Nominal Primary</b> <small>(26 11 13 00-0014)</small>		
	26 11 13 00-0016	EA		1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i>	31,442.50 4,202.85 3,502.37 280.19 3,362.28 840.57 1,400.95 3,362.28	1,682.89
	26 11 13 00-0017	EA		2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i>	35,911.63 4,744.83 3,954.03 316.32 3,795.87 948.97 1,581.61 3,795.87	2,108.56
	26 11 13 00-0018	EA		5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i>	55,307.56 7,383.19 6,152.66 492.21 1,476.64 2,461.06 5,906.55 5,906.55	2,969.81
	26 11 13 00-0019	EA		7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For External Control Panel, Add</i> <i>For Forced Air Cooling, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i>	80,399.94 10,887.12 9,072.60 725.81 2,177.42 8,709.69 3,629.04 8,709.69	3,625.24
	26 11 13 00-0020	EA		10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i>	99,040.04 13,389.92 11,158.26 892.66 2,677.98 4,463.31 10,711.93 10,711.93	4,691.49
	<b>26 11 13 00-0021</b>			<b>23 KV Nominal Primary</b> <small>(26 11 13 00-0014)</small>		
	26 11 13 00-0022	EA		1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i>	35,100.97 4,623.24 3,852.70 308.22 924.65 1,541.08 3,698.59 2,465.73	2,276.85
	26 11 13 00-0023	EA		2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i>	40,044.61 5,231.55 4,359.63 348.77 1,046.31 1,743.85 4,185.24 2,790.16	2,276.85
	26 11 13 00-0024	EA		5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i>	64,411.00 8,634.59 7,195.49 575.64 4,605.12 1,726.92 2,878.20 6,907.67	3,365.78
	26 11 13 00-0025	EA		7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For Forced Air Cooling, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i>	86,526.10 6,140.17 11,512.82 9,594.02 767.52 2,302.56 3,837.61 9,210.26	4,691.49

**26 Electrical****26 10 Medium-Voltage Electrical Distribution****26 11 Substations**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 11 13 00-0026	EA 10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i>	107,382.70 14,641.31 12,201.10 976.09 2,928.26 4,880.44 11,713.05 7,808.70	4,691.49
<b>26 11 13 00-0027</b>	<b>34.5 KV Nominal Primary</b> <small>(26 11 13 00-0014)</small>		
26 11 13 00-0028	EA 1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For External Control Panel, Add</i> <i>For Forced Air Cooling, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i>	44,100.06 5,839.87 4,866.56 389.32 1,167.97 3,114.60 1,946.62 4,671.90	2,722.32
26 11 13 00-0029	EA 2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For External Control Panel, Add</i> <i>For Forced Air Cooling, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i>	53,267.97 7,056.51 5,880.42 470.43 1,411.30 3,763.47 2,352.17 5,645.20	4,256.72
26 11 13 00-0030	EA 5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i>	73,631.57 9,760.91 8,134.09 650.73 1,952.18 3,253.64 7,808.73 5,205.82	4,256.72
26 11 13 00-0031	EA 7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i>	94,868.68 12,764.21 6,807.58 10,636.84 850.95 2,552.84 4,254.74 10,211.37	4,584.87
26 11 13 00-0032	EA 10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i>	164,346.56 22,775.39 18,979.49 1,518.36 12,146.87 4,555.08 7,591.80 18,220.31	5,864.36
<b>26 11 13 00-0033</b>	<b>46 KV Nominal Primary</b> <small>(26 11 13 00-0014)</small>		
26 11 13 00-0034	EA 1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i>	67,813.38 9,238.32 7,698.60 615.89 4,927.10 1,847.66 3,079.44 7,390.65	3,167.79
26 11 13 00-0035	EA 2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i>	76,671.21 10,473.62 8,728.02 698.24 5,585.93 2,094.72 3,491.21 8,378.90	3,167.79
26 11 13 00-0036	EA 5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For External Control Panel, Add</i> <i>For Forced Air Cooling, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i>	106,309.69 14,662.63 12,218.86 977.51 2,932.53 7,820.07 4,887.54 11,730.10	4,256.72
26 11 13 00-0037	EA 7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i>	129,969.79 17,618.87 14,682.39 1,174.59 3,523.77 5,872.96 14,095.10 9,396.73	5,864.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 11 13 00-0038	EA 10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	185,254.84	5,864.36
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	25,911.63	
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	21,593.02	
	For Internally Mounted Current Transformers And Linear Couplers, Add	1,727.44	
	For External Control Panel, Add	5,182.33	
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	8,637.21	
	For 50 Hz Operation, Add	20,729.30	
	For Forced Air Cooling, Add	13,819.54	
<b>26 11 13 00-0039</b>	<b>69 KV Nominal Primary</b> <small>(26 11 13 00-0014)</small>		
26 11 13 00-0040	EA 1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	97,847.87	3,365.78
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,650.12	
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,375.10	
	For Internally Mounted Current Transformers And Linear Couplers, Add	910.01	
	For Forced Air Cooling, Add	7,280.06	
	For External Control Panel, Add	2,730.02	
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,550.04	
	For 50 Hz Operation, Add	10,920.10	
26 11 13 00-0041	EA 2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	112,305.74	4,256.72
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	15,562.04	
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,968.37	
	For Internally Mounted Current Transformers And Linear Couplers, Add	1,037.47	
	For Forced Air Cooling, Add	8,299.75	
	For External Control Panel, Add	3,112.41	
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,187.35	
	For 50 Hz Operation, Add	12,449.63	
26 11 13 00-0042	EA 5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	154,691.68	4,256.72
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	21,919.93	
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	18,266.61	
	For Internally Mounted Current Transformers And Linear Couplers, Add	1,461.33	
	For External Control Panel, Add	4,383.99	
	For Forced Air Cooling, Add	11,690.63	
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,306.64	
	For 50 Hz Operation, Add	17,535.94	
26 11 13 00-0043	EA 7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	163,739.94	5,864.36
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	22,684.39	
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	18,903.66	
	For Internally Mounted Current Transformers And Linear Couplers, Add	1,512.29	
	For External Control Panel, Add	4,536.88	
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,561.46	
	For 50 Hz Operation, Add	18,147.51	
	For Forced Air Cooling, Add	12,098.34	
26 11 13 00-0044	EA 10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	214,791.87	5,864.36
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	30,342.18	
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	25,285.15	
	For Internally Mounted Current Transformers And Linear Couplers, Add	2,022.81	
	For External Control Panel, Add	6,068.44	
	For Forced Air Cooling, Add	16,182.50	
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	10,114.06	
	For 50 Hz Operation, Add	24,273.75	
<b>26 11 13 00-0045</b>	<b>Circuit Breakers Fluarc SF6 13.8 KV</b> <small>(26 11 13)</small>		
26 11 13 00-0046	EA 1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	58,947.53	849.81
26 11 13 00-0047	EA 1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	64,735.99	849.81
26 11 13 00-0048	EA 1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	73,687.81	1,055.61
26 11 13 00-0049	EA 2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	68,854.26	1,269.31
26 11 13 00-0050	EA 2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	77,598.96	1,269.31
26 11 13 00-0051	EA 2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	88,524.08	1,474.67
26 11 13 00-0052	EA 3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	91,229.52	1,684.81
26 11 13 00-0053	EA 3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	102,117.16	1,684.81
26 11 13 00-0054	EA 3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	107,010.06	1,892.05
<b>26 11 16</b>	<b>Secondary Unit Substations</b> <small>(26 11)</small>		
<b>26 11 16 11</b>	<b>Secondary Unit Substations with Switchgear Secondary</b> <small>(26 11 16)</small>		
26 11 16 11-0001	Substation Primary Incoming Section <small>(26 11 16 11)</small>		
26 11 16 11-0002	Manual Transferring Fused Load Break Switches <small>(26 11 16 11-0001)</small>		
	Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 11-0003	EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position .....	31,195.39	1,247.92
26 11 16 11-0004	EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position .....	35,994.91	1,247.92
26 11 16 11-0005	Automatic Transferring Fused Load Break Switches <small>(26 11 16 11-0001)</small>		
	Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 11-0006	EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch .....	44,121.11	1,247.92
26 11 16 11-0007	EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch .....	47,244.67	1,247.92
26 11 16 11-0008	Accessories For Substation Fused Load Break Switches <small>(26 11 16 11-0001)</small>		
26 11 16 11-0009	EA Primary Lightning Arrestors Accessories, Secondary Distribution Section .....	8,113.08	
26 11 16 11-0010	EA Key Interlock Accessories, Secondary Distribution Section .....	789.70	

**26 Electrical****26 10 Medium-Voltage Electrical Distribution****26 11 Substations**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0011			<b>Oil Filled Substation Transformers</b> <small>(26 11 16 11)</small> Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 11-0012			<b>Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ</b> <small>(26 11 16 11-0011)</small>		
26 11 16 11-0013	EA		75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof .....	14,898.47	742.45
			For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	938.95	
			For Internal Mounted Current Transformer And Linear Coupler, Add	134.14	
			For Control Power Transformer On Fans And Auxiliary, Add	402.41	
26 11 16 11-0014	EA		112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof .....	21,816.83	890.94
			For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,402.45	
			For Internal Mounted Current Transformer And Linear Coupler, Add	200.35	
			For Control Power Transformer On Fans And Auxiliary, Add	601.05	
26 11 16 11-0015	EA		150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof .....	24,687.15	989.93
			For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,589.51	
			For Internal Mounted Current Transformer And Linear Coupler, Add	227.07	
			For Control Power Transformer On Fans And Auxiliary, Add	681.22	
26 11 16 11-0016	EA		225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof .....	29,232.82	1,237.42
			For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,873.06	
			For Internal Mounted Current Transformer And Linear Coupler, Add	267.58	
			For Control Power Transformer On Fans And Auxiliary, Add	802.74	
26 11 16 11-0017	EA		300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof .....	32,640.66	1,534.40
			For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,070.03	
			For Internal Mounted Current Transformer And Linear Coupler, Add	295.72	
			For Control Power Transformer On Fans And Auxiliary, Add	887.16	
26 11 16 11-0018	EA		500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof .....	34,978.48	1,880.87
			For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,185.17	
			For Internal Mounted Current Transformer And Linear Coupler, Add	312.17	
			For Control Power Transformer On Fans And Auxiliary, Add	936.50	
26 11 16 11-0019	EA		750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof .....	40,962.83	2,276.85
			For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,548.64	
			For Internal Mounted Current Transformer And Linear Coupler, Add	364.09	
			For Control Power Transformer On Fans And Auxiliary, Add	1,092.27	
26 11 16 11-0020	EA		1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof .....	43,661.06	2,474.84
			For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,709.80	
			For Internal Mounted Current Transformer And Linear Coupler, Add	387.11	
			For Control Power Transformer On Fans And Auxiliary, Add	1,161.34	
26 11 16 11-0021	EA		1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof .....	48,775.48	2,722.32
			For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,033.16	
			For Internal Mounted Current Transformer And Linear Coupler, Add	433.31	
			For Control Power Transformer On Fans And Auxiliary, Add	1,299.92	
26 11 16 11-0022	EA		2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof .....	56,370.62	3,019.30
			For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,523.24	
			For Internal Mounted Current Transformer And Linear Coupler, Add	503.32	
			For Control Power Transformer On Fans And Auxiliary, Add	1,509.96	
26 11 16 11-0023	EA		2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof .....	61,892.16	3,291.54
			For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,871.64	
			For Internal Mounted Current Transformer And Linear Coupler, Add	553.09	
			For Control Power Transformer On Fans And Auxiliary, Add	1,659.27	
26 11 16 11-0024			<b>Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ</b> <small>(26 11 16 11-0011)</small>		
26 11 16 11-0025	EA		75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof .....	14,229.29	742.45
			For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	892.11	
			For Internal Mounted Current Transformer And Linear Coupler, Add	127.44	
			For Control Power Transformer On Fans And Auxiliary, Add	382.33	
26 11 16 11-0026	EA		112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof .....	21,302.86	742.45
			For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,387.26	
			For Internal Mounted Current Transformer And Linear Coupler, Add	198.18	
			For Control Power Transformer On Fans And Auxiliary, Add	594.54	
26 11 16 11-0027	EA		150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof .....	24,672.34	989.93
			For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,588.47	
			For Internal Mounted Current Transformer And Linear Coupler, Add	226.92	
			For Control Power Transformer On Fans And Auxiliary, Add	680.77	
26 11 16 11-0028	EA		225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof .....	29,258.29	1,237.42
			For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,874.84	
			For Internal Mounted Current Transformer And Linear Coupler, Add	267.83	
			For Control Power Transformer On Fans And Auxiliary, Add	803.50	
26 11 16 11-0029	EA		300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof .....	35,240.95	1,534.40
			For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,252.05	
			For Internal Mounted Current Transformer And Linear Coupler, Add	321.72	
			For Control Power Transformer On Fans And Auxiliary, Add	965.16	
26 11 16 11-0030	EA		500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof .....	38,216.32	1,880.87
			For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,411.82	
			For Internal Mounted Current Transformer And Linear Coupler, Add	344.55	
			For Control Power Transformer On Fans And Auxiliary, Add	1,033.64	
26 11 16 11-0031	EA		750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof .....	42,457.94	2,276.85
			For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,653.30	
			For Internal Mounted Current Transformer And Linear Coupler, Add	379.04	
			For Control Power Transformer On Fans And Auxiliary, Add	1,137.13	
26 11 16 11-0032	EA		1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof .....	46,236.53	2,474.84
			For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,890.08	
			For Internal Mounted Current Transformer And Linear Coupler, Add	412.87	
			For Control Power Transformer On Fans And Auxiliary, Add	1,238.61	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 11 16 11-0033	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i>	52,105.95 3,266.29 466.61 1,399.84	2,722.32
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**26 11 16 11-0034 Accessories For Oil Filled Substation Transformers** (26 11 16 11-0011)

26 11 16 11-0035	EA	Sudden Pressure Relay	4,065.60	
26 11 16 11-0036	EA	Throats Or Flanges (HV Or LV)	8,071.60	
26 11 16 11-0037	EA	Lightning Arrestors (3 - 1 Pole)	5,314.84	
26 11 16 11-0038	EA	Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X)	29,494.68	
26 11 16 11-0039	EA	Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	27,595.21	

**26 11 16 11-0040 Reinforced Concrete Curb With 6" Slab** (26 11 16 11-0011)

Note: For transformer liquid containment area.

26 11 16 11-0041	EA	112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,368.56	1,147.20
26 11 16 11-0042	EA	150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,368.56	1,147.20
26 11 16 11-0043	EA	225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,368.56	1,147.20
26 11 16 11-0044	EA	300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,368.56	1,147.20
26 11 16 11-0045	EA	500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,368.56	1,147.20
26 11 16 11-0046	EA	750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,368.56	1,147.20
26 11 16 11-0047	EA	1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,368.56	1,147.20
26 11 16 11-0048	EA	1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	5,162.14	1,322.75

**26 11 16 11-0049 Dry Type Substation Transformer** (26 11 16 11)

Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.

**26 11 16 11-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt** (26 11 16 11-0049)

Note: Primary 4.160 or 4.8 KV (delta or wye).

26 11 16 11-0051	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	25,796.49	791.95
		<i>For Single Phase Transformers, Deduct</i>	-605.31	
		<i>For Dry Type Unit, Add</i>	5,485.16	
		<i>For Gas Filled Transformers, Add</i>	14,527.55	
26 11 16 11-0052	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	25,895.48	841.45
		<i>For Single Phase Transformers, Deduct</i>	-605.31	
		<i>For Dry Type Unit, Add</i>	5,495.06	
		<i>For Gas Filled Transformers, Add</i>	14,527.55	
26 11 16 11-0053	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	26,507.85	989.93
		<i>For Single Phase Transformers, Deduct</i>	-613.20	
		<i>For Dry Type Unit, Add</i>	5,594.14	
		<i>For Gas Filled Transformers, Add</i>	14,716.78	
26 11 16 11-0054	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	29,256.23	1,088.93
		<i>For Single Phase Transformers, Deduct</i>	-676.96	
		<i>For Dry Type Unit, Add</i>	6,175.03	
		<i>For Gas Filled Transformers, Add</i>	16,247.02	
26 11 16 11-0055	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	32,503.07	1,286.92
		<i>For Single Phase Transformers, Deduct</i>	-748.23	
		<i>For Dry Type Unit, Add</i>	6,841.82	
		<i>For Gas Filled Transformers, Add</i>	17,957.54	
26 11 16 11-0056	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	37,654.66	1,484.90
		<i>For Single Phase Transformers, Deduct</i>	-867.12	
		<i>For Dry Type Unit, Add</i>	7,927.65	
		<i>For Gas Filled Transformers, Add</i>	20,810.91	
26 11 16 11-0057	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	43,741.77	1,781.88
		<i>For Single Phase Transformers, Deduct</i>	-1,004.45	
		<i>For Dry Type Unit, Add</i>	9,195.54	
		<i>For Gas Filled Transformers, Add</i>	24,106.80	
26 11 16 11-0058	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	51,652.33	1,979.88
		<i>For Single Phase Transformers, Deduct</i>	-1,192.31	
		<i>For Dry Type Unit, Add</i>	10,888.34	
		<i>For Gas Filled Transformers, Add</i>	28,615.55	
26 11 16 11-0059	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	66,737.96	2,078.87
		<i>For Single Phase Transformers, Deduct</i>	-1,564.51	
		<i>For Dry Type Unit, Add</i>	14,183.42	
		<i>For Gas Filled Transformers, Add</i>	37,548.14	

**26 11 16 11-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt** (26 11 16 11-0049)

Note: Primary 4.16 or 4.8 KV (delta or wye).

26 11 16 11-0061	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	24,937.25	791.95
		<i>For Single Phase Transformers, Deduct</i>	-583.83	
		<i>For Dry Type Unit, Add</i>	5,296.13	
		<i>For Gas Filled Transformers, Add</i>	14,012.01	
26 11 16 11-0062	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	25,895.48	841.45
		<i>For Single Phase Transformers, Deduct</i>	-605.31	
		<i>For Dry Type Unit, Add</i>	5,495.06	
		<i>For Gas Filled Transformers, Add</i>	14,527.55	
26 11 16 11-0063	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	26,507.85	989.93
		<i>For Single Phase Transformers, Deduct</i>	-613.20	
		<i>For Dry Type Unit, Add</i>	5,594.14	
		<i>For Gas Filled Transformers, Add</i>	14,716.78	
26 11 16 11-0064	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	29,256.23	1,088.93
		<i>For Single Phase Transformers, Deduct</i>	-676.96	
		<i>For Dry Type Unit, Add</i>	6,175.03	
		<i>For Gas Filled Transformers, Add</i>	16,247.02	

**26 Electrical**  
**26 10 Medium-Voltage Electrical Distribution**  
**26 11 Substations**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0065	EA		500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	32,503.07	1,286.92
			<i>For Single Phase Transformers, Deduct</i>	-748.23	
			<i>For Dry Type Unit, Add</i>	6,841.82	
			<i>For Gas Filled Transformers, Add</i>	17,957.54	
26 11 16 11-0066	EA		750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	37,654.66	1,484.90
			<i>For Single Phase Transformers, Deduct</i>	-867.12	
			<i>For Dry Type Unit, Add</i>	7,927.65	
			<i>For Gas Filled Transformers, Add</i>	20,810.91	
26 11 16 11-0067	EA		1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	43,741.77	1,781.88
			<i>For Single Phase Transformers, Deduct</i>	-1,004.45	
			<i>For Dry Type Unit, Add</i>	9,195.54	
			<i>For Gas Filled Transformers, Add</i>	24,106.80	
26 11 16 11-0068	EA		1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	51,652.33	1,979.88
			<i>For Single Phase Transformers, Deduct</i>	-1,192.31	
			<i>For Dry Type Unit, Add</i>	10,888.34	
			<i>For Gas Filled Transformers, Add</i>	28,615.55	
26 11 16 11-0069	EA		2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	66,737.96	2,078.87
			<i>For Single Phase Transformers, Deduct</i>	-1,564.51	
			<i>For Dry Type Unit, Add</i>	14,183.42	
			<i>For Gas Filled Transformers, Add</i>	37,548.14	
26 11 16 11-0070	EA		2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	73,208.88	2,177.86
			<i>For Single Phase Transformers, Deduct</i>	-1,721.33	
			<i>For Dry Type Unit, Add</i>	15,583.27	
			<i>For Gas Filled Transformers, Add</i>	41,311.90	
26 11 16 11-0071	EA		3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	81,644.11	2,276.85
			<i>For Single Phase Transformers, Deduct</i>	-1,927.26	
			<i>For Dry Type Unit, Add</i>	17,415.26	
			<i>For Gas Filled Transformers, Add</i>	46,254.24	
26 11 16 11-0072	EA		3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	94,000.54	2,375.84
			<i>For Single Phase Transformers, Deduct</i>	-2,231.22	
			<i>For Dry Type Unit, Add</i>	20,109.92	
			<i>For Gas Filled Transformers, Add</i>	53,549.31	
<b>26 11 16 11-0073</b>			<b>Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt</b> <small>(26 11 16 11-0049)</small>		
26 11 16 11-0074	EA		112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer.....	27,772.54	890.94
			<i>For Single Phase Transformers, Deduct</i>	-649.77	
			<i>For Dry Type Unit, Add</i>	5,896.13	
			<i>For Gas Filled Transformers, Add</i>	15,594.40	
26 11 16 11-0075	EA		150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer.....	28,725.80	940.44
			<i>For Single Phase Transformers, Deduct</i>	-671.12	
			<i>For Dry Type Unit, Add</i>	6,093.97	
			<i>For Gas Filled Transformers, Add</i>	16,106.96	
26 11 16 11-0076	EA		225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer.....	30,773.55	1,088.93
			<i>For Single Phase Transformers, Deduct</i>	-714.89	
			<i>For Dry Type Unit, Add</i>	6,508.84	
			<i>For Gas Filled Transformers, Add</i>	17,157.41	
26 11 16 11-0077	EA		300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer.....	32,511.20	1,187.93
			<i>For Single Phase Transformers, Deduct</i>	-753.38	
			<i>For Dry Type Unit, Add</i>	6,867.36	
			<i>For Gas Filled Transformers, Add</i>	18,081.22	
26 11 16 11-0078	EA		500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer.....	37,089.13	1,385.91
			<i>For Single Phase Transformers, Deduct</i>	-857.93	
			<i>For Dry Type Unit, Add</i>	7,826.99	
			<i>For Gas Filled Transformers, Add</i>	20,590.39	
26 11 16 11-0079	EA		750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer.....	41,128.16	1,583.90
			<i>For Single Phase Transformers, Deduct</i>	-949.01	
			<i>For Dry Type Unit, Add</i>	8,668.06	
			<i>For Gas Filled Transformers, Add</i>	22,776.22	
26 11 16 11-0080	EA		1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer.....	48,042.24	1,880.87
			<i>For Single Phase Transformers, Deduct</i>	-1,107.01	
			<i>For Dry Type Unit, Add</i>	10,117.88	
			<i>For Gas Filled Transformers, Add</i>	26,568.29	
26 11 16 11-0081	EA		1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer.....	58,110.83	2,078.87
			<i>For Single Phase Transformers, Deduct</i>	-1,348.83	
			<i>For Dry Type Unit, Add</i>	12,285.46	
			<i>For Gas Filled Transformers, Add</i>	32,371.86	
26 11 16 11-0082	EA		2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer.....	70,060.00	2,177.86
			<i>For Single Phase Transformers, Deduct</i>	-1,642.61	
			<i>For Dry Type Unit, Add</i>	14,890.51	
			<i>For Gas Filled Transformers, Add</i>	39,422.57	
<b>26 11 16 11-0083</b>			<b>Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt</b> <small>(26 11 16 11-0049)</small>		
26 11 16 11-0084	EA		112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer.....	27,772.54	890.94
			<i>For Single Phase Transformers, Deduct</i>	-649.77	
			<i>For Dry Type Unit, Add</i>	5,896.13	
			<i>For Gas Filled Transformers, Add</i>	15,594.40	
26 11 16 11-0085	EA		150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer.....	28,725.80	940.44
			<i>For Single Phase Transformers, Deduct</i>	-671.12	
			<i>For Dry Type Unit, Add</i>	6,093.97	
			<i>For Gas Filled Transformers, Add</i>	16,106.96	
26 11 16 11-0086	EA		225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer.....	30,773.55	1,088.93
			<i>For Single Phase Transformers, Deduct</i>	-714.89	
			<i>For Dry Type Unit, Add</i>	6,508.84	
			<i>For Gas Filled Transformers, Add</i>	17,157.41	
26 11 16 11-0087	EA		300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer.....	32,511.20	1,187.93
			<i>For Single Phase Transformers, Deduct</i>	-753.38	
			<i>For Dry Type Unit, Add</i>	6,867.36	
			<i>For Gas Filled Transformers, Add</i>	18,081.22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0088 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	37,089.13 -857.93 7,826.99 20,590.39	1,385.91
26 11 16 11-0089 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	36,161.48 -824.84 7,575.39 19,796.21	1,583.90
26 11 16 11-0090 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	37,838.74 -851.92 7,873.11 20,446.19	1,880.87
26 11 16 11-0091 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	46,420.54 -1,056.57 9,713.59 25,357.69	2,078.87
26 11 16 11-0092 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	54,907.84 -1,263.80 11,557.04 30,331.27	2,177.86
26 11 16 11-0093 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	61,302.69 -1,418.72 12,940.15 34,049.39	2,276.85
26 11 16 11-0094 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	71,824.93 -1,676.83 15,231.28 40,243.94	2,375.84
26 11 16 11-0095 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	87,865.72 -2,072.90 18,736.50 49,749.63	2,474.84

26 12 Medium-Voltage Transformers <sup>(26 10)</sup>

**26 12 13 Liquid-Filled, Medium-Voltage Transformers <sup>(26 12)</sup>**

**26 12 13 00-0001 Removal And Relocation Of Transformers <sup>(26 12 13)</sup>**

26 12 13 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer.....	1,051.15
26 12 13 00-0003	EA	Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers .....	1,934.41

**26 12 13 00-0004 Single Phase Oil Filled Distribution Transformers <sup>(26 12 13)</sup>**

Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.

**26 12 13 00-0005 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent**

<b>Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA <sup>(26 12 13 00-0004)</sup></b>			
26 12 13 00-0006	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	1,939.13 416.88
26 12 13 00-0007	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	2,354.99 521.11
26 12 13 00-0008	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	2,763.32 625.33
26 12 13 00-0009	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	3,541.33 781.66
26 12 13 00-0010	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	4,216.37 938.00
26 12 13 00-0011	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	5,568.77 1,094.32
26 12 13 00-0012	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	6,607.84 1,302.76

**26 12 13 00-0013 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent**

<b>Taps FCAN And FCBN. Rated To 5 KVA <sup>(26 12 13 00-0004)</sup></b>			
26 12 13 00-0014	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	1,939.13 416.88
26 12 13 00-0015	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	2,385.34 521.11
26 12 13 00-0016	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	2,763.32 625.33
26 12 13 00-0017	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	3,541.33 781.66
26 12 13 00-0018	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	4,216.37 938.00
26 12 13 00-0019	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	5,256.77 1,094.32
26 12 13 00-0020	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	6,449.41 1,302.76

**26 12 13 00-0021 Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps**

<b>FCBN And FCAN <sup>(26 12 13 00-0004)</sup></b>			
26 12 13 00-0022	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	1,903.72 416.88
26 12 13 00-0023	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	2,258.87 521.11
26 12 13 00-0024	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	2,668.26 625.33
26 12 13 00-0025	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	3,519.39 781.66
26 12 13 00-0026	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	4,123.74 938.00
26 12 13 00-0027	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	5,315.27 1,094.32
26 12 13 00-0028	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	6,464.03 1,302.76

**26 12 13 00-0029 Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent**

<b>Taps FCBN And FCAN <sup>(26 12 13 00-0004)</sup></b>			
26 12 13 00-0030	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	2,068.13 416.88
26 12 13 00-0031	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	2,428.34 521.11
26 12 13 00-0032	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	3,112.24 625.33
26 12 13 00-0033	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	3,914.63 781.66
26 12 13 00-0034	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	4,566.81 938.00

**26 Electrical****26 10 Medium-Voltage Electrical Distribution****26 12 Medium-Voltage Transformers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0035	EA		75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	5,970.53	1,094.32
26 12 13 00-0036	EA		100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	7,521.84	1,302.76
<b>26 12 13 00-0037</b>			<b>Transformer Platforms</b> <small>(26 12 13 00-0004)</small>		
26 12 13 00-0038	EA		Transformer Platforms, 75 - 167 KVA .....	3,738.41	704.02
<b>26 12 13 00-0039</b>			<b>Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCBN</b> <small>(26 12 13 00-0004)</small>		
26 12 13 00-0040	EA		10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	2,218.06	416.88
26 12 13 00-0041	EA		15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	2,564.47	521.11
26 12 13 00-0042	EA		25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	3,113.23	625.33
26 12 13 00-0043	EA		37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	3,913.40	781.66
26 12 13 00-0044	EA		50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	4,670.61	930.10
26 12 13 00-0045	EA		75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	5,973.60	1,094.32
26 12 13 00-0046	EA		100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	7,521.84	1,302.76
26 12 13 00-0047	EA		167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	9,953.00	1,667.54
26 12 13 00-0048	EA		250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	12,893.04	2,240.76
26 12 13 00-0049	EA		333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	15,075.87	2,605.54
26 12 13 00-0050	EA		500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	18,436.10	2,813.98
<b>26 12 13 00-0051</b>			<b>Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL</b> <small>(26 12 13 00-0004)</small>		
26 12 13 00-0052	EA		10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	1,939.13	510.47
26 12 13 00-0053	EA		15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	2,354.99	638.05
26 12 13 00-0054	EA		25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	2,762.89	764.88
26 12 13 00-0055	EA		37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	3,542.34	958.53
26 12 13 00-0056	EA		50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	4,215.41	1,148.21
26 12 13 00-0057	EA		75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	5,567.47	1,337.26
26 12 13 00-0058	EA		100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	6,607.84	1,595.21
<b>26 12 13 00-0059</b>			<b>Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCBN</b> <small>(26 12 13 00-0004)</small>		
26 12 13 00-0060	EA		10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	1,939.13	510.47
26 12 13 00-0061	EA		15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	2,385.34	638.05
26 12 13 00-0062	EA		25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	2,762.89	764.88
26 12 13 00-0063	EA		37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	3,542.34	958.53
26 12 13 00-0064	EA		50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	4,215.41	1,148.21
26 12 13 00-0065	EA		75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	5,255.47	1,337.26
26 12 13 00-0066	EA		100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	6,449.41	1,595.21
<b>26 12 13 00-0067</b>			<b>Primary 7.2 To 14.4 KV Ground Y</b> <small>(26 12 13 00-0004)</small>		
<b>26 12 13 00-0068</b>			<b>Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCBN</b> <small>(26 12 13 00-0067)</small>		
26 12 13 00-0069	EA		10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	1,673.08	416.88
26 12 13 00-0070	EA		15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	2,028.69	521.11
26 12 13 00-0071	EA		25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	2,375.98	625.33
26 12 13 00-0072	EA		37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	3,060.23	781.66
26 12 13 00-0073	EA		50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	3,772.53	938.00
26 12 13 00-0074	EA		75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	5,403.56	1,094.32
26 12 13 00-0075	EA		100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	6,284.72	1,302.76
<b>26 12 13 00-0076</b>			<b>Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCBN</b> <small>(26 12 13 00-0067)</small>		
26 12 13 00-0077	EA		10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	1,592.60	416.88
26 12 13 00-0078	EA		15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	1,927.51	521.11
26 12 13 00-0079	EA		25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	2,329.99	625.33
26 12 13 00-0080	EA		37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	2,968.25	781.66
26 12 13 00-0081	EA		50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	3,646.05	938.00
26 12 13 00-0082	EA		75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	4,943.66	1,094.32
26 12 13 00-0083	EA		100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	5,824.82	1,302.76
<b>26 12 13 00-0084</b>			<b>3 Phase Oil Filled Distribution Transformers</b> <small>(26 12 13)</small>		
<b>26 12 13 00-0085</b>			<b>Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt</b> <small>(26 12 13 00-0084)</small> Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 13 00-0086	EA		112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase .....	6,970.56	1,459.10
26 12 13 00-0087	EA		150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase .....	8,341.09	1,563.32
26 12 13 00-0088	EA		225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase .....	10,932.87	1,980.21
26 12 13 00-0089	EA		300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase .....	14,150.27	2,501.31
26 12 13 00-0090	EA		500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase .....	19,572.89	2,813.98
26 12 13 00-0091	EA		750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase .....	29,076.87	3,751.96

**26 12 16 Dry-Type, Medium-Voltage Transformers** (26 12)**26 12 16 00-0001 Removal and Relocation of Transformers** (26 12 16)

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 12 16 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer.....	410.83	
26 12 16 00-0003	EA	Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer.....	1,825.89	

**26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers (26 12)**

**26 12 19 00-0001 Single Phase Pad Mounted Distribution Transformers (26 12 19)**

Note: Designed for residential and multi-family buildings. UL listed.

**26 12 19 00-0002 Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled (26 12 19 00-0001)**

Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.

**26 12 19 00-0003 Primary, 4.16/4.8 KV Ground Y Or Delta (26 12 19 00-0002)**

Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.

26 12 19 00-0004	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,852.66	494.97
26 12 19 00-0005	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	4,267.56	593.96
26 12 19 00-0006	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	5,066.56	692.96
26 12 19 00-0007	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	6,111.79	742.45
26 12 19 00-0008	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	6,868.94	791.95
26 12 19 00-0009	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	8,993.13	1,039.43

**26 12 19 00-0010 Factory Modifications Material Cost Only (26 12 19 00-0002)**

26 12 19 00-0011	EA	Loadbreaker Current Limiting Fuse Factory Modifications.....	685.47	
26 12 19 00-0012	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications.....	720.24	
26 12 19 00-0013	EA	Loadbreaker Inserts, Factory Modifications.....	792.26	

**26 12 19 00-0014 Distribution - Single Phase Multiple Building Transformer (26 12 19 00-0001)**

Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.

**26 12 19 00-0015 Primary, 4.16/4.8 KVA Ground Y Or Delta (26 12 19 00-0014)**

Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.

26 12 19 00-0016	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	4,613.35	494.97
26 12 19 00-0017	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	5,258.00	494.97
26 12 19 00-0018	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	5,717.50	678.11
26 12 19 00-0019	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	7,032.34	678.11
26 12 19 00-0020	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	7,876.40	890.94
26 12 19 00-0021	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	9,504.40	890.94
26 12 19 00-0022	EA	250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	14,861.35	1,237.42

**26 12 19 00-0023 Factory Modifications Material Cost Only (26 12 19 00-0014)**

26 12 19 00-0024	EA	Loadbreaker Current Limiting Fuse Factory Modifications.....	913.95	
26 12 19 00-0025	EA	Lightning Arrestors, Factory Modifications.....	231.57	
26 12 19 00-0026	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications.....	720.24	
26 12 19 00-0027	EA	Loop Feed Air Switch, Factory Modifications.....	1,172.24	
26 12 19 00-0028	EA	Loadbreaker Inserts (Two), Factory Modifications.....	312.93	
26 12 19 00-0029	EA	Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications.....	270.71	

**26 12 19 00-0030 Primary, 12.47 KV Ground Y Or Delta (26 12 19 00-0014)**

Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.

26 12 19 00-0031	EA	25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	4,950.20	494.97
26 12 19 00-0032	EA	37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	5,370.63	494.97
26 12 19 00-0033	EA	50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	5,673.44	678.11
26 12 19 00-0034	EA	75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	6,763.76	678.11
26 12 19 00-0035	EA	100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	8,434.60	890.94
26 12 19 00-0036	EA	167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	10,489.55	891.04
26 12 19 00-0037	EA	250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	13,290.15	1,237.42

**26 12 19 00-0038 Oil Filled Distribution Transformer Single Phase Cluster Mounted (26 12 19 00-0001)**

Note: Conventional type.

**26 Electrical**  
**26 10 Medium-Voltage Electrical Distribution**  
**26 12 Medium-Voltage Transformers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 12 19 00-0039		<b>13.8/14.4 KV Ground Y Or Delta Primary 120/240V</b> <small>(26 12 19 00-0038)</small>			
		Note: 2.5 Taps FCBN and FCAN.			
26 12 19 00-0040	EA	10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	3,384.55		356.55
26 12 19 00-0041	EA	37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	4,265.98		501.40
26 12 19 00-0042	EA	50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	6,471.98		802.24
26 12 19 00-0043	EA	100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	11,184.33		802.24
26 12 19 00-0044	EA	167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	15,290.79		1,314.77
26 12 19 00-0045	EA	250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	20,191.22		1,314.77
26 12 19 00-0046		<b>Oil Filled Distribution Transformer Single Phase</b> <small>(26 12 19 00-0001)</small>			
26 12 19 00-0047		<b>7.2 KV Primary, 120/240 Volt Secondary</b> <small>(26 12 19 00-0046)</small>			
26 12 19 00-0048	EA	10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	3,294.86		378.83
26 12 19 00-0049	EA	15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	3,603.22		378.83
26 12 19 00-0050	EA	25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	4,219.81		534.83
26 12 19 00-0051	EA	37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	5,489.98		534.83
26 12 19 00-0052	EA	50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	6,329.41		724.24
26 12 19 00-0053	EA	100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	10,955.28		1,114.22
26 12 19 00-0054	EA	167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	15,111.42		1,114.22
26 12 19 00-0055	EA	250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	19,914.35		1,392.77
26 12 19 00-0056		<b>7.2 KV Primary, 240/480 Volt Secondary</b> <small>(26 12 19 00-0046)</small>			
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	3,294.86		378.83
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	3,603.32		378.83
26 12 19 00-0059	EA	25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	4,219.81		534.83
26 12 19 00-0060	EA	37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	5,489.98		534.83
26 12 19 00-0061	EA	50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	6,329.41		724.24
26 12 19 00-0062	EA	75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	9,618.30		980.51
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	10,955.28		980.51
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	15,111.42		1,236.79
26 12 19 00-0065	EA	250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	19,914.35		1,392.77
26 12 19 00-0066		<b>2.4 KV Primary, 277 Volt Secondary</b> <small>(26 12 19 00-0046)</small>			
26 12 19 00-0067	EA	10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	3,576.30		378.83
26 12 19 00-0068	EA	15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	3,909.93		378.83
26 12 19 00-0069	EA	25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	4,583.45		534.83
26 12 19 00-0070	EA	37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	5,954.52		534.83
26 12 19 00-0071	EA	50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	6,861.99		724.24
26 12 19 00-0072	EA	75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	10,303.28		980.51
26 12 19 00-0073	EA	100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	11,938.80		980.51
26 12 19 00-0074	EA	167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	16,491.87		1,236.79
26 12 19 00-0075	EA	250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	21,785.72		1,392.77
26 12 19 00-0076		<b>2.4 KV Primary, 120/240 Volt Secondary</b> <small>(26 12 19 00-0046)</small>			
26 12 19 00-0077	EA	10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	3,294.86		378.83
26 12 19 00-0078	EA	15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	3,603.22		378.83
26 12 19 00-0079	EA	25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	4,219.81		727.70
26 12 19 00-0080	EA	37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	5,489.98		980.51
26 12 19 00-0081	EA	50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	6,329.41		724.24
26 12 19 00-0082	EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	9,463.79		980.51
26 12 19 00-0083	EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	10,953.45		980.51
26 12 19 00-0084		<b>2.4 KV Primary, 240/480 Volt Secondary</b> <small>(26 12 19 00-0046)</small>			
26 12 19 00-0085	EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	3,294.86		378.83
26 12 19 00-0086	EA	15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	3,603.22		378.83
26 12 19 00-0087	EA	25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	4,219.81		534.83
26 12 19 00-0088	EA	37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	5,489.98		534.83
26 12 19 00-0089	EA	50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	6,329.41		724.24
26 12 19 00-0090	EA	75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	9,463.79		980.51
26 12 19 00-0091	EA	100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	10,953.45		980.51
26 12 19 00-0092		<b>2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary</b> <small>(26 12 19 00-0046)</small>			
26 12 19 00-0093	EA	10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	2,857.30		389.98
26 12 19 00-0094	EA	15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	3,108.93		434.55
26 12 19 00-0095	EA	25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	3,742.88		479.11
26 12 19 00-0096	EA	37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	4,816.20		668.53
26 12 19 00-0097	EA	50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	5,397.24		779.96
26 12 19 00-0098	EA	75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	7,308.97		913.66
26 12 19 00-0099	EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	8,741.23		1,047.36
26 12 19 00-0100	EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	13,399.13		1,337.06
26 12 19 00-0101	EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	18,185.51		1,504.19

**26 13 Medium-Voltage Switchgear** (26 10)

**26 13 16 Medium-Voltage Fusible Interrupter Switchgear** (26 13)



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 13 16 00-0001	<b>"Switchyard", Substation Secondary Distribution Section</b> <small>(26 13 16)</small> Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.		
26 13 16 00-0002	<b>4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0003	EA 1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	12,704.10	1,158.79
	<i>For Weatherproofing, Add</i>	2,632.41	
26 13 16 00-0004	EA 1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	13,338.68	1,158.79
	<i>For Weatherproofing, Add</i>	2,772.02	
26 13 16 00-0005	EA 1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	18,185.56	1,476.34
	<i>For Weatherproofing, Add</i>	3,805.35	
26 13 16 00-0006	EA 2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	24,806.90	1,476.34
	<i>For Weatherproofing, Add</i>	5,237.19	
26 13 16 00-0007	EA 2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	35,593.21	1,782.75
	<i>For Weatherproofing, Add</i>	7,580.52	
26 13 16 00-0008	EA 3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	32,463.06	1,782.75
	<i>For Weatherproofing, Add</i>	6,879.26	
26 13 16 00-0009	<b>7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0010	EA 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	18,992.58	1,337.06
	<i>For Weatherproofing, Add</i>	3,999.07	
26 13 16 00-0011	EA 2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	23,314.62	1,671.32
	<i>For Weatherproofing, Add</i>	4,895.00	
26 13 16 00-0012	EA 3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	32,812.78	2,005.59
	<i>For Weatherproofing, Add</i>	6,945.14	
26 13 16 00-0013	<b>13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0014	EA 1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	18,304.76	1,337.06
	<i>For Weatherproofing, Add</i>	3,833.03	
26 13 16 00-0015	EA 1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	25,223.27	1,337.06
	<i>For Weatherproofing, Add</i>	5,323.05	
26 13 16 00-0016	EA 1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	36,883.90	1,782.75
	<i>For Weatherproofing, Add</i>	7,851.85	
26 13 16 00-0017	EA 2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	23,025.74	1,782.75
	<i>For Weatherproofing, Add</i>	4,818.06	
26 13 16 00-0018	EA 2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	33,480.91	2,228.43
	<i>For Weatherproofing, Add</i>	7,086.25	
26 13 16 00-0019	EA 2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	46,896.19	2,228.43
	<i>For Weatherproofing, Add</i>	10,003.93	
26 13 16 00-0020	EA 3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	32,224.31	2,228.43
	<i>For Weatherproofing, Add</i>	6,800.48	
26 13 16 00-0021	EA 3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	44,727.53	2,228.43
	<i>For Weatherproofing, Add</i>	9,519.09	
26 13 16 00-0022	EA 3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	58,011.66	2,228.43
	<i>For Weatherproofing, Add</i>	12,411.24	
26 13 16 00-0023	<b>4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0024	EA 1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	5,686.97	729.82
	<i>For Weatherproofing, Add</i>	1,148.78	
26 13 16 00-0025	EA 1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,407.34	729.82
	<i>For Weatherproofing, Add</i>	1,527.26	
26 13 16 00-0026	EA 2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,021.74	969.37
	<i>For Weatherproofing, Add</i>	1,629.37	
26 13 16 00-0027	EA 2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,940.35	1,197.78
	<i>For Weatherproofing, Add</i>	2,019.15	
26 13 16 00-0028	EA 3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	13,422.23	1,197.78
	<i>For Weatherproofing, Add</i>	2,785.16	
26 13 16 00-0029	<b>7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0030	EA 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,201.26	1,114.22
	<i>For Weatherproofing, Add</i>	1,467.69	
26 13 16 00-0031	EA 2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,423.86	1,114.22
	<i>For Weatherproofing, Add</i>	1,923.83	
26 13 16 00-0032	EA 3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	14,398.67	1,114.22
	<i>For Weatherproofing, Add</i>	2,985.90	
26 13 16 00-0033	<b>13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0034	EA 1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,421.08	947.09
	<i>For Weatherproofing, Add</i>	1,500.67	

**26 Electrical****26 10 Medium-Voltage Electrical Distribution****26 13 Medium-Voltage Switchgear**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0035	EA		1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section ..... <i>For Weatherproofing, Add</i>	7,918.97 1,610.20	947.09
26 13 16 00-0036	EA		1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section ..... <i>For Weatherproofing, Add</i>	11,358.21 2,334.26	1,169.92
26 13 16 00-0037	EA		2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section ..... <i>For Weatherproofing, Add</i>	10,103.02 2,025.71	1,403.92
26 13 16 00-0038	EA		2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section ..... <i>For Weatherproofing, Add</i>	12,449.30 2,541.89	1,403.92
26 13 16 00-0039	EA		2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section ..... <i>For Weatherproofing, Add</i>	14,312.83 2,918.75	1,637.90
26 13 16 00-0040	EA		3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section ..... <i>For Weatherproofing, Add</i>	13,387.19 2,682.57	1,871.88
26 13 16 00-0041	EA		3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section ..... <i>For Weatherproofing, Add</i>	14,994.93 3,036.27	1,871.88
26 13 16 00-0042	EA		3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section ..... <i>For Weatherproofing, Add</i>	18,486.61 3,771.62	2,094.73
<b>26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections (26 13 16 00-0001)</b>					
26 13 16 00-0044	EA		1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,596.75 423.66	706.08
26 13 16 00-0045	EA		2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,501.76 470.13	783.51
26 13 16 00-0046	EA		3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,880.48 565.59	942.63
26 13 16 00-0047	EA		3-Phase Pothead Termination Accessories, Secondary Distribution Section .....	3,674.03	1,417.61
26 13 16 00-0048	EA		5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section .....	4,513.95	87.93
26 13 16 00-0049	EA		5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section .....	6,033.61	87.93
26 13 16 00-0050	EA		5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section .....	11,059.70	87.93
26 13 16 00-0051	EA		15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section .....	8,688.88	87.93
26 13 16 00-0052	EA		15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section .....	9,486.61	87.93
26 13 16 00-0053	EA		15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section .....	12,917.95	87.93
26 13 16 00-0054	EA		6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section .....	2,037.72	87.93
26 13 16 00-0055	EA		9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section .....	2,304.84	87.93
26 13 16 00-0056	EA		15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section .....	3,507.57	87.93
26 13 16 00-0057	EA		Overcurrent Phase Protection, Time And Instantaneous Device 67 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,240.58 52.76	87.93
26 13 16 00-0058	EA		AC Ammeter With Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	868.91 52.76	87.93
26 13 16 00-0059	EA		AC Voltmeter With Switch And Potential Transformer ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	868.91 52.76	87.93
26 13 16 00-0060	EA		Indicating Wattmeter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,290.52 52.76	87.93
26 13 16 00-0061	EA		Indicating Varmeter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,524.43 52.76	87.93
26 13 16 00-0062	EA		Indicating Watt-hour Meter, 2 Element ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	952.66 52.76	87.93
26 13 16 00-0063	EA		Ground Protection, Time Or Instantaneous Device 67N ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,195.29 52.76	87.93
26 13 16 00-0064	EA		Differential Generator Protection Single Phase NEMA Device 87 .....	4,267.05	87.93
26 13 16 00-0065	EA		Current Transformers 5 And 15 KV Single Secondary .....	585.20	87.93
26 13 16 00-0066	EA		Potential Transformers 5 KV And 15 KV With Primary Fuses .....	2,843.40	87.93
<b>26 13 19 Medium-Voltage Vacuum Interrupter Switchgear (26 13)</b>					
<b>26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV (26 13 19)</b>					
26 13 19 00-0002	EA		1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section .....	46,080.29	1,392.77
26 13 19 00-0003	EA		1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section .....	50,883.70	1,760.47
26 13 19 00-0004	EA		1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section .....	57,769.04	1,760.47
26 13 19 00-0005	EA		2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section .....	52,818.61	1,392.77
26 13 19 00-0006	EA		2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section .....	59,424.40	1,392.77
26 13 19 00-0007	EA		2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section .....	67,730.80	1,637.90
26 13 19 00-0008	EA		3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section .....	69,878.12	1,871.88
26 13 19 00-0009	EA		3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section .....	76,517.45	1,871.88
26 13 19 00-0010	EA		3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section .....	83,605.89	2,105.87
<b>26 13 29 Medium-Voltage Compartmentalized Switchgear (26 13)</b>					
<b>26 13 29 00-0001 Substation Secondary Distribution Section (26 13 29)</b>					
Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.					
<b>26 13 29 00-0002 Switchgear Compartment Complete With Air Circuit Breaker (26 13 29 00-0001)</b>					
Note: With solid state long - time and instantaneous trips.					
26 13 29 00-0003	EA		800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206 .....	14,647.08	869.21
26 13 29 00-0004	EA		1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416 .....	23,095.88	1,314.16
26 13 29 00-0005	EA		2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420 .....	31,267.17	1,614.25
26 13 29 00-0006	EA		3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632 .....	52,049.86	1,872.94
26 13 29 00-0007	EA		4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840 .....	66,932.58	2,131.63
<b>26 13 29 00-0008 Switchgear Compartment Without Circuit Breaker (26 13 29 00-0001)</b>					
26 13 29 00-0009	EA		800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	6,481.88	263.87
26 13 29 00-0010	EA		1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	7,489.95	263.87
26 13 29 00-0011	EA		2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	9,799.49	388.03
26 13 29 00-0012	EA		3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	14,025.91	388.03

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 13 29 00-0013	EA	4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	23,437.87	569.12
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**26 13 29 00-0014 Switchgear Compartment, Blank, Use As Filler Or Metering** (26 13 29 00-0001)

Note: No provisions for future breaker.

26 13 29 00-0015	EA	600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section .....	3,375.73	294.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.63	
26 13 29 00-0016	EA	3,000 Amperes, Blank Section Filler, Secondary Distribution Section .....	4,220.96	294.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	197.96	
26 13 29 00-0017	EA	4,000 Amperes, Blank Section Filler, Secondary Distribution Section .....	5,515.41	455.30
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	284.56	

**26 13 29 00-0018 Accessories For Substation Secondary Distribution** (26 13 29 00-0001)

26 13 29 00-0019	EA	Short Time Delay Accessories, Secondary Distribution Section .....	1,819.86	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.76	
26 13 29 00-0020	EA	Key Interlock Accessories, Secondary Distribution Section .....	1,425.00	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.76	
26 13 29 00-0021	EA	Ammeter And Switch Complete Accessories, Secondary Distribution Section .....	4,427.42	87.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.76	
26 13 29 00-0022	EA	Voltmeter And Switch Complete Accessories, Secondary Distribution Section .....	4,427.42	87.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.76	
26 13 29 00-0023	EA	Wattmeter - Complete Accessories, Secondary Distribution Section .....	5,842.95	87.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.76	
26 13 29 00-0024	EA	Watt-hour Meter - Complete Accessories, Secondary Distribution Section .....	7,556.48	87.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.76	
26 13 29 00-0025	EA	Circuit Breaker Lifting Device Accessories, Secondary Distribution Section .....	3,302.30	100.30
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.17	
26 13 29 00-0026	EA	Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section .....	10,604.95	1,485.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	891.31	
26 13 29 00-0027	EA	Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800 .....	2,028.47	87.93
26 13 29 00-0028	EA	Potential Transformers Each With Fuses Accessories, Secondary Distribution Section .....	2,375.31	87.93
26 13 29 00-0029	EA	Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section .....	1,267.54	43.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.38	
26 13 29 00-0030	EA	3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section .....	9,481.10	87.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.76	
26 13 29 00-0031	EA	3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section .....	1,207.94	43.97

**26 18 Medium-Voltage Circuit Protection Devices** (26 10)

**26 18 36 Medium-Voltage Enclosed Fuses** (26 18)

26 18 36 00-0001	EA	Sectionalizing Switch <small>(26 18 36)</small>		
26 18 36 00-0002	EA	Pad Mounted Metal Enclosed Oil Filled Switching Units <small>(26 18 36 00-0001)</small>		
		Note: 15 KV - 25 KV.		
26 18 36 00-0003	EA	Sectionalizing Tapping And Fusing Underground Feeders <small>(26 18 36 00-0002)</small>		
		Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 36 00-0004	EA	3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground .....	29,294.36	742.45
26 18 36 00-0005	EA	3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground .....	32,917.19	742.45

**26 20 Low-Voltage Electrical Distribution** (26)

**26 21 Low-Voltage Electrical Service Entrance** (26 20)

See CSI section 26 05 13 00-0000 for wire and cables.

**26 21 13 Low-Voltage Overhead Electrical Service Entrance** (26 21)

26 21 13 00-0001	LF	Service Drop Cable And Weatherheads <small>(26 21 13)</small>		
26 21 13 00-0002	LF	600 Volt Insulated Stranded Conductors <small>(26 21 13 00-0001)</small>		
26 21 13 00-0003	LF	Aluminum Duplex ACSR Neutral <small>(26 21 13 00-0002)</small>		
26 21 13 00-0004	LF	#6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	6.85	2.65
26 21 13 00-0005	LF	#4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	8.17	3.14
26 21 13 00-0006	LF	#2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	9.42	3.53
26 21 13 00-0007	LF	1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	12.21	4.45

**26 21 13 00-0008 Aluminum Triplex ACSR Neutral** (26 21 13 00-0002)

26 21 13 00-0009	LF	#6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	8.22	3.14
26 21 13 00-0010	LF	#4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	9.35	3.53
26 21 13 00-0011	LF	#2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	11.84	4.45
26 21 13 00-0012	LF	1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	14.62	5.44
26 21 13 00-0013	LF	2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	19.21	7.19
26 21 13 00-0014	LF	4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	24.17	8.92
26 21 13 00-0015	LF	336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	30.55	10.61

**26 21 13 00-0016 Aluminum Quadruplex ACSR Neutral** (26 21 13 00-0002)

26 21 13 00-0017	LF	#6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	9.36	3.53
26 21 13 00-0018	LF	#4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	11.83	4.45
26 21 13 00-0019	LF	#2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	15.22	5.71
26 21 13 00-0020	LF	1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	19.51	7.19

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 21 Low-Voltage Electrical Service Entrance**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 21 13 00-0021	LF	2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	21.67		7.96
26 21 13 00-0022	LF	3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	24.66		8.92
26 21 13 00-0023	LF	4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	29.19		10.61
26 21 13 00-0024	LF	336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	34.41		11.73
<b>26 21 13 00-0025</b>		<b>Weatherproof Conduit Hubs</b> <small>(26 21 13 00-0002)</small>			
26 21 13 00-0026	EA	1/2" Weatherproof Conduit Hubs .....	44.35		16.94
26 21 13 00-0027	EA	3/4" Weatherproof Conduit Hubs .....	50.57		19.25
26 21 13 00-0028	EA	1" Weatherproof Conduit Hubs .....	58.49		21.56
26 21 13 00-0029	EA	1-1/4" Weatherproof Conduit Hubs .....	81.20		28.88
26 21 13 00-0030	EA	1-1/2" Weatherproof Conduit Hubs .....	89.12		31.19
26 21 13 00-0031	EA	2" Weatherproof Conduit Hubs .....	113.88		36.19
26 21 13 00-0032	EA	2-1/2" Weatherproof Conduit Hubs .....	147.48		40.81
26 21 13 00-0033	EA	3" Weatherproof Conduit Hubs .....	189.05		48.13
26 21 13 00-0034	EA	4" Weatherproof Conduit Hubs .....	338.25		96.26
<b>26 21 13 00-0035</b>		<b>Service Entrance Cap, Threaded Weatherhead, Galvanized</b> <small>(26 21 13 00-0002)</small>			
26 21 13 00-0036	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service .....	49.67		16.94
26 21 13 00-0037	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service .....	56.94		19.25
26 21 13 00-0038	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service .....	65.16		21.56
26 21 13 00-0039	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service .....	87.54		28.88
26 21 13 00-0040	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service .....	98.88		31.19
26 21 13 00-0041	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service .....	129.55		36.19
26 21 13 00-0042	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service .....	216.36		40.81
26 21 13 00-0043	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service .....	246.43		48.13
26 21 13 00-0044	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service .....	406.54		96.26
<b>26 21 13 00-0045</b>		<b>Service Entrance Cap, Clamp-On Weatherhead, Aluminum</b> <small>(26 21 13 00-0002)</small>			
26 21 13 00-0046	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service .....	48.07		16.94
26 21 13 00-0047	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service .....	54.26		19.25
26 21 13 00-0048	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service .....	61.53		21.47
26 21 13 00-0049	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service .....	81.80		28.88
26 21 13 00-0050	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service .....	91.14		31.19
26 21 13 00-0051	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service .....	107.41		36.19
26 21 13 00-0052	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service .....	174.84		40.81
26 21 13 00-0053	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service .....	225.55		48.13
26 21 13 00-0054	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service .....	317.90		72.19
26 21 13 00-0055	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service .....	381.69		96.26
<b>26 21 13 00-0056</b>		<b>Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC)</b> <small>(26 21 13 00-0002)</small>			
26 21 13 00-0057	EA	1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service .....	45.58		16.94
26 21 13 00-0058	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service .....	52.08		19.25
26 21 13 00-0059	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service .....	58.99		21.47
26 21 13 00-0060	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service .....	78.65		28.88
26 21 13 00-0061	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service .....	85.53		31.19
26 21 13 00-0062	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service .....	103.84		36.19
26 21 13 00-0063	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service .....	163.56		40.81
26 21 13 00-0064	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service .....	184.51		48.13
26 21 13 00-0065	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service .....	311.69		72.19
26 21 13 00-0066	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service .....	429.78		96.26
<b>26 21 16</b>		<b>Low-Voltage Underground Electrical Service Entrance</b> <small>(26 21)</small>			
<b>26 21 16 00-0001</b>		<b>Aluminum Triplex For Underground Service, Direct Burial</b> <small>(26 21 16)</small>			
Note: Excludes excavation and backfill.					
26 21 16 00-0002	MLF	#6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	2,929.74		990.43
26 21 16 00-0003	MLF	#4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	3,224.72		1,048.70
26 21 16 00-0004	MLF	#2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	3,621.77		1,114.22
26 21 16 00-0005	MLF	1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	3,980.10		1,114.22
26 21 16 00-0006	MLF	2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	4,351.97		1,188.54
26 21 16 00-0007	MLF	3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	5,108.82		1,371.38
26 21 16 00-0008	MLF	4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	6,416.45		1,782.75
<b>26 22</b>		<b>Low-Voltage Transformers</b> <small>(26 20)</small>			
<b>26 22 13</b>		<b>Low-Voltage Distribution Transformers</b> <small>(26 22)</small>			
<b>26 22 13 00-0001</b>		<b>Single Phase General Purpose "Dry Type" Transformers</b> <small>(26 22 13)</small>			
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.					
<b>26 22 13 00-0002</b>		<b>480 Volt, 120/240 Volt, General Purpose Dry Type Transformers</b> <small>(26 22 13 00-0001)</small>			
Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.					
26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	743.27		248.55
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	971.28		298.27
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,157.31		311.19
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,344.88		323.12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0007 EA 10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,791.05	347.98
26 22 13 00-0008 EA 15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,090.00	372.83
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	67.22	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	100.83	
26 22 13 00-0009 EA 25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,279.18	397.68
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	74.19	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	111.29	
26 22 13 00-0010 EA 37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,278.00	447.39
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	69.16	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	103.74	
26 22 13 00-0011 EA 50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,677.32	497.11
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	84.16	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	126.23	
26 22 13 00-0012 EA 75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	3,474.52	596.53
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	114.07	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	171.11	
26 22 13 00-0013 EA 100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	4,342.65	695.95
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	147.54	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	221.31	
26 22 13 00-0014 EA 167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	6,683.95	894.79
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	244.72	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	367.08	
26 22 13 00-0015 EA 250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	11,472.35	1,093.64
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	464.25	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	696.38	
26 22 13 00-0016 EA 333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	17,465.65	1,242.77
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	749.01	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	1,123.51	
<b>26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)</b>		
<i>Note: 1-10 Percent x 2-5 percent FCBN taps.</i>		
26 22 13 00-0018 EA 3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	856.72	298.27
26 22 13 00-0019 EA 5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	973.74	310.70
26 22 13 00-0020 EA 7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,139.68	323.12
26 22 13 00-0021 EA 10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,308.51	347.98
<b>26 22 13 00-0022 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)</b>		
<i>Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.</i>		
26 22 13 00-0023 EA 15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,090.00	372.83
26 22 13 00-0024 EA 25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,279.18	397.68
<b>26 22 13 00-0025 1 Phase Mounting Brackets (26 22 13 00-0001)</b>		
26 22 13 00-0026 EA 1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	492.85	175.86
<b>26 22 13 00-0027 1 Phase Weathershields (26 22 13 00-0001)</b>		
<i>Note: Use with types DT-3 and DS-3.</i>		
26 22 13 00-0028 EA 37.5 KVA 1 Phase Weathershields, Set Of 2	48.43	
26 22 13 00-0029 EA 50 KVA 1 Phase Weathershields, Set Of 2	61.73	
26 22 13 00-0030 EA 75 KVA 1 Phase Weathershields, Set Of 2	73.61	
26 22 13 00-0031 EA 100 KVA 1 Phase Weathershields, Set Of 2	87.81	
26 22 13 00-0032 EA 167 KVA 1 Phase Weathershields, Set Of 2	118.81	
26 22 13 00-0033 EA 250 KVA 1 Phase Weathershields, Set Of 2	142.05	
26 22 13 00-0034 EA 333 KVA 1 Phase Weathershields, Set Of 2	174.34	
<b>26 22 13 00-0035 Packaged Power Supply (26 22 13 00-0001)</b>		
<i>Note: 2-5 Percent FCBN taps.</i>		
26 22 13 00-0036 EA 5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers	1,333.34	310.70
26 22 13 00-0037 EA 7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers	1,478.72	323.12
26 22 13 00-0038 EA 10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers	1,600.22	347.98
26 22 13 00-0039 EA 15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers	1,919.30	372.83
26 22 13 00-0040 EA 25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers	2,545.95	397.68
<b>26 22 13 00-0041 240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade (26 22 13 00-0001)</b>		
26 22 13 00-0042 EA 0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	983.32	223.70
26 22 13 00-0043 EA 1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,330.06	248.55
26 22 13 00-0044 EA 2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,558.61	298.27
26 22 13 00-0045 EA 5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,706.15	310.70
26 22 13 00-0046 EA 7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,898.89	323.12
26 22 13 00-0047 EA 10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	2,387.67	347.98
26 22 13 00-0048 EA 15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	3,028.84	372.83
<b>26 22 13 00-0049 1 Phase, 208/600 Volt, Dry General Purpose Transformer (26 22 13 00-0001)</b>		
26 22 13 00-0050 EA 15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,651.73	372.83
26 22 13 00-0051 EA 25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,797.76	397.68
26 22 13 00-0052 EA 30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,954.05	422.54
26 22 13 00-0053 EA 37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	5,118.36	447.39
26 22 13 00-0054 EA 45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	5,325.42	472.26

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0055	EA		50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry .....	6,981.96	497.11
26 22 13 00-0056			<b>3 Phase General Purpose "Dry Type" Transformer</b> <sup>(26 22 13)</sup> Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0057			<b>Packaged Power Supply</b> <sup>(26 22 13 00-0056)</sup> Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058	EA		15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers ..... <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	5,550.12 255.94 170.63	1,068.78
26 22 13 00-0059	EA		22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers ..... <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	6,515.58 317.17 211.44	1,143.35
26 22 13 00-0060	EA		30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers ..... <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	7,674.32 389.16 259.44	1,242.77
26 22 13 00-0061			<b>Drive Isolation Transformers</b> <sup>(26 22 13 00-0056)</sup> Note: Only use in step-up applications.		
26 22 13 00-0062			<b>230 Volt Drive Isolation Transformers</b> <sup>(26 22 13 00-0061)</sup>		
26 22 13 00-0063	EA		7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	3,815.71	397.68
26 22 13 00-0064	EA		11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	4,430.33	422.54
26 22 13 00-0065	EA		15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	4,593.01	447.39
26 22 13 00-0066	EA		20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	5,376.34	472.26
26 22 13 00-0067	EA		27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	5,591.76	521.96
26 22 13 00-0068	EA		34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	6,146.12	571.67
26 22 13 00-0069	EA		40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	6,929.45	621.38
26 22 13 00-0070	EA		51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	8,041.18	695.95
26 22 13 00-0071	EA		63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	8,676.87	720.81
26 22 13 00-0072	EA		75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	9,948.27	745.66
26 22 13 00-0073	EA		93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	12,382.62	770.51
26 22 13 00-0074	EA		118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	13,964.34	944.50
26 22 13 00-0075	EA		145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	15,529.50	994.21
26 22 13 00-0076	EA		175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	17,715.29	1,043.93
26 22 13 00-0077	EA		220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	21,585.24	1,242.77
26 22 13 00-0078	EA		275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	28,455.93	1,466.47
26 22 13 00-0079	EA		330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	30,088.88	1,615.60
26 22 13 00-0080	EA		440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	36,503.14	1,789.59
26 22 13 00-0081	EA		550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	44,881.75	1,988.43
26 22 13 00-0082			<b>208V Drive Isolation Transformers</b> <sup>(26 22 13 00-0061)</sup>		
26 22 13 00-0083	EA		7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	3,969.45	397.68
26 22 13 00-0084	EA		11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	4,612.82	422.54
26 22 13 00-0085	EA		15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	4,781.25	447.39
26 22 13 00-0086	EA		20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	5,601.92	472.26
26 22 13 00-0087	EA		27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	5,823.25	521.96
26 22 13 00-0088	EA		30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	6,351.05	546.82
26 22 13 00-0089	EA		45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	7,268.61	646.24
26 22 13 00-0090	EA		51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	8,379.62	695.95
26 22 13 00-0091	EA		63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	9,045.14	720.81
26 22 13 00-0092	EA		75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	10,378.73	745.66
26 22 13 00-0093	EA		93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	12,934.46	770.51
26 22 13 00-0094	EA		118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	14,578.98	944.50
26 22 13 00-0095	EA		145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	16,218.74	994.21
26 22 13 00-0096	EA		175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	18,510.72	1,043.93
26 22 13 00-0097	EA		220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers .....	22,557.41	1,242.77
26 22 13 00-0098			<b>480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps</b> <sup>(26 22 13 00-0056)</sup>		
26 22 13 00-0099	EA		9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	2,788.24	410.11
26 22 13 00-0100	EA		15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	3,595.16	447.39
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	202.53	
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	135.02	
26 22 13 00-0101			<b>480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps</b> <sup>(26 22 13 00-0056)</sup>		
26 22 13 00-0102	EA		30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	4,059.92	546.82
			<i>For K13 Factor Rating, Add</i>	2,966.28	
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	148.31	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	222.47	
			<i>For K20 Factor Rating, Add</i>	3,856.16	
			<i>For K4 Factor Rating, Add</i>	2,076.40	
26 22 13 00-0103	EA		37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	4,859.54	596.53
			<i>For K13 Factor Rating, Add</i>	3,666.49	
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	183.32	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	274.99	
			<i>For K20 Factor Rating, Add</i>	4,766.44	
			<i>For K4 Factor Rating, Add</i>	2,566.54	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22	13 00-0104	EA		45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For K13 Factor Rating, Add</i> <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K20 Factor Rating, Add</i> <i>For K4 Factor Rating, Add</i>	5,095.56 3,803.08 190.15 285.23 4,944.00 2,662.16	646.24
26 22	13 00-0105	EA		50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For K13 Factor Rating, Add</i> <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K20 Factor Rating, Add</i> <i>For K4 Factor Rating, Add</i>	6,589.87 5,197.96 259.90 389.85 6,757.35 3,638.57	695.95
26 22	13 00-0106	EA		75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For K13 Factor Rating, Add</i> <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K20 Factor Rating, Add</i> <i>For K4 Factor Rating, Add</i>	6,537.76 5,046.44 252.32 378.48 6,560.37 3,532.51	745.66
26 22	13 00-0107	EA		112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For K13 Factor Rating, Add</i> <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K20 Factor Rating, Add</i> <i>For K4 Factor Rating, Add</i>	8,115.89 6,326.30 316.32 474.47 8,224.19 4,428.41	894.79
26 22	13 00-0108	EA		150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For K13 Factor Rating, Add</i> <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K20 Factor Rating, Add</i> <i>For K4 Factor Rating, Add</i>	10,425.52 8,437.09 421.85 632.78 10,968.22 5,905.96	994.21
26 22	13 00-0109	EA		225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For K13 Factor Rating, Add</i> <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K20 Factor Rating, Add</i> <i>For K4 Factor Rating, Add</i>	14,142.96 11,657.42 582.87 874.31 15,154.65 8,160.19	1,242.77
26 22	13 00-0110	EA		300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For K13 Factor Rating, Add</i> <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K20 Factor Rating, Add</i> <i>For K4 Factor Rating, Add</i>	17,256.63 14,174.56 708.73 1,063.09 18,426.93 9,922.19	1,541.03
26 22	13 00-0111	EA		500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For K13 Factor Rating, Add</i> <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K20 Factor Rating, Add</i> <i>For K4 Factor Rating, Add</i>	24,534.36 20,756.34 1,037.82 1,556.73 26,983.24 14,529.44	1,889.01
26 22	13 00-0112	EA		750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For K13 Factor Rating, Add</i> <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K20 Factor Rating, Add</i> <i>For K4 Factor Rating, Add</i>	55,202.86 50,629.47 2,531.47 3,797.21 65,818.31 35,440.63	2,276.85
26 22	13 00-0113	EA		1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For K13 Factor Rating, Add</i> <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K20 Factor Rating, Add</i> <i>For K4 Factor Rating, Add</i>	72,377.64 67,406.57 3,370.33 5,055.49 87,628.54 47,184.60	2,485.54
26 22	13 00-0114			<b>480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps</b> <small>(26 22 13 00-0056)</small>		
26 22	13 00-0115	EA		6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i> <i>For K4 Factor Rating, Add</i>	2,304.37 1,533.86 1,994.02 1,073.70	385.26
26 22	13 00-0116	EA		9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i> <i>For K4 Factor Rating, Add</i>	2,788.24 1,968.02 2,558.43 1,377.61	410.11
26 22	13 00-0117	EA		15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For K13 Factor Rating, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K20 Factor Rating, Add</i> <i>For K4 Factor Rating, Add</i>	3,595.16 2,700.37 202.53 135.02 3,510.48 1,890.26	447.39
26 22	13 00-0118			<b>480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps</b> <small>(26 22 13 00-0056)</small>		
26 22	13 00-0119	EA		30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For K20 Factor Rating, Add</i> <i>For K4 Factor Rating, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K13 Factor Rating, Add</i>	6,740.08 7,340.37 3,952.51 423.48 282.32 5,646.44	546.82

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 22 13 00-0120	EA 45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For K20 Factor Rating, Add For K4 Factor Rating, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For K13 Factor Rating, Add	7,575.84 8,168.37 4,398.35 471.25 314.17 6,283.36	646.24
26 22 13 00-0121	EA 75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For K20 Factor Rating, Add For K4 Factor Rating, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For K13 Factor Rating, Add	11,047.56 12,423.11 6,689.37 716.72 477.81 9,556.24	745.66
26 22 13 00-0122	EA 112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For K20 Factor Rating, Add For K4 Factor Rating, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For K13 Factor Rating, Add	13,843.43 15,669.99 8,437.69 904.04 602.69 12,053.84	894.79
26 22 13 00-0123	EA 150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For K20 Factor Rating, Add For K4 Factor Rating, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For K13 Factor Rating, Add	16,620.98 19,022.32 10,242.79 1,097.44 731.63 14,632.55	994.21
26 22 13 00-0124	EA 225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For K20 Factor Rating, Add For K4 Factor Rating, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For K13 Factor Rating, Add	21,285.52 24,439.97 13,159.99 1,410.00 940.00 18,799.98	1,242.77
26 22 13 00-0125	EA 300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For K20 Factor Rating, Add For K4 Factor Rating, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For K13 Factor Rating, Add	25,899.21 29,662.28 15,972.00 1,711.29 1,140.86 22,817.14	1,541.03
26 22 13 00-0126	EA 500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For K20 Factor Rating, Add For K4 Factor Rating, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For K13 Factor Rating, Add	41,253.94 48,718.70 26,233.14 2,810.69 1,873.80 37,475.92	1,889.01
26 22 13 00-0127	<b>3 Phase 60 Hz K20 Dry Type Transformers</b> (26 22 13 00-0056)		
26 22 13 00-0128	<b>3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise</b> (26 22 13 00-0127) Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129	EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	3,378.08	447.39
26 22 13 00-0130	EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	5,027.30	546.82
26 22 13 00-0131	EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	7,282.43	646.24
26 22 13 00-0132	EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	9,256.06	745.66
26 22 13 00-0133	EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	13,767.09	894.79
26 22 13 00-0134	EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	16,687.77	994.21
26 22 13 00-0135	EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	19,460.63	1,242.77
26 22 13 00-0136	EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	30,643.93	1,541.03
26 22 13 00-0137	<b>3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise</b> (26 22 13 00-0127) Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138	EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	3,876.64	447.39
26 22 13 00-0139	EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	5,814.51	546.82
26 22 13 00-0140	EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	8,479.94	646.24
26 22 13 00-0141	EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	10,806.63	745.66
26 22 13 00-0142	EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	16,162.12	894.79
26 22 13 00-0143	EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	19,629.07	994.21
26 22 13 00-0144	EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	22,855.17	1,242.77
26 22 13 00-0145	EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	36,156.78	1,541.03
26 22 13 00-0146	<b>NEMA Premium Efficient Dry Type Transformers</b> (26 22 13 00-0056)		
26 22 13 00-0147	<b>Aluminum Windings, NEMA Premium Efficient Dry Type Transformers</b> (26 22 13 00-0146) Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0148	<b>150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers</b> (26 22 13 00-0147)		
26 22 13 00-0149	EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,090.47	445.47
26 22 13 00-0150	EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,769.87	544.46
26 22 13 00-0151	EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,544.59	643.45
26 22 13 00-0152	EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,100.85	742.45
26 22 13 00-0153	EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	8,161.38	890.94
26 22 13 00-0154	EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	10,151.87	989.93



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 22	13 00	00-0155	EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer .....	13,459.16	1,237.42
	26 22	13 00	00-0156	EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer .....	18,945.18	1,534.40
<b>26 22</b>	<b>13 00</b>	<b>00-0157</b>		<b>115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0147)</b>		
	26 22	13 00	00-0158	EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer .....	3,752.25	445.47
	26 22	13 00	00-0159	EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer .....	4,571.49	544.46
	26 22	13 00	00-0160	EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer .....	5,522.10	643.45
	26 22	13 00	00-0161	EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer .....	7,485.86	742.45
	26 22	13 00	00-0162	EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer .....	9,590.92	890.94
	26 22	13 00	00-0163	EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer .....	12,603.47	989.93
	26 22	13 00	00-0164	EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer .....	16,754.67	1,237.42
	26 22	13 00	00-0165	EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer .....	23,708.09	1,534.40
<b>26 22</b>	<b>13 00</b>	<b>00-0166</b>		<b>80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0147)</b>		
	26 22	13 00	00-0167	EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer .....	4,411.36	445.47
	26 22	13 00	00-0168	EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer .....	5,375.33	544.46
	26 22	13 00	00-0169	EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer .....	6,499.63	643.45
	26 22	13 00	00-0170	EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer .....	8,868.64	742.45
	26 22	13 00	00-0171	EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer .....	11,394.55	890.94
	26 22	13 00	00-0172	EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer .....	15,055.07	989.93
	26 22	13 00	00-0173	EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer .....	20,050.19	1,237.42
	26 22	13 00	00-0174	EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer .....	28,471.00	1,534.40
<b>26 22</b>	<b>13 00</b>	<b>00-0175</b>		<b>Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0146)</b>		
				Note: Two taps at 2.5%, four at -2.5%.		
<b>26 22</b>	<b>13 00</b>	<b>00-0176</b>		<b>150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)</b>		
	26 22	13 00	00-0177	EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	4,190.91	445.47
	26 22	13 00	00-0178	EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	5,108.12	544.46
	26 22	13 00	00-0179	EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	6,172.30	643.45
	26 22	13 00	00-0180	EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	8,407.71	742.45
	26 22	13 00	00-0181	EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	11,421.26	890.94
	26 22	13 00	00-0182	EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	14,322.48	989.93
	26 22	13 00	00-0183	EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	19,063.76	1,237.42
	26 22	13 00	00-0184	EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	27,048.14	1,534.40
<b>26 22</b>	<b>13 00</b>	<b>00-0185</b>		<b>115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)</b>		
	26 22	13 00	00-0186	EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	4,850.02	445.47
	26 22	13 00	00-0187	EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	5,911.97	544.46
	26 22	13 00	00-0188	EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	7,149.83	643.45
	26 22	13 00	00-0189	EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	9,792.72	742.45
	26 22	13 00	00-0190	EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	14,930.55	890.94
	26 22	13 00	00-0191	EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	18,833.77	989.93
	26 22	13 00	00-0192	EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	24,042.67	1,237.42

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 22 13 00-0193	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	35,841.38		1,534.40
<b>26 22 13 00-0194</b>		<b>80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers</b> <small>(26 22 13 00-0175)</small>			
26 22 13 00-0195	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	5,511.34		445.47
26 22 13 00-0196	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	6,715.80		544.46
26 22 13 00-0197	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	8,127.34		643.45
26 22 13 00-0198	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	11,175.50		742.45
26 22 13 00-0199	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	17,749.56		890.94
26 22 13 00-0200	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	22,924.23		989.93
26 22 13 00-0201	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	29,019.34		1,237.42
26 22 13 00-0202	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer .....	42,864.39		1,534.40
<b>26 22 13 00-0203</b>		<b>3 Phase Weathershields</b> <small>(26 22 13 00-0056)</small> Note: Use with type DT-3 and DS-3.			
26 22 13 00-0204	EA	45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	656.01		
26 22 13 00-0205	EA	150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	1,114.02		
26 22 13 00-0206	EA	500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	1,114.02		
<b>26 22 13 00-0207</b>		<b>Three Phase Mounting Brackets</b> <small>(26 22 13 00-0056)</small>			
26 22 13 00-0208	EA	3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA .....	701.91		175.86
<b>26 22 13 00-0209</b>		<b>Pad Mounted Commercial Type Distribution Transformers UL Listed</b> <small>(26 22 13)</small>			
<b>26 22 13 00-0210</b>		<b>Distribution 3 Phase Oil Filled Transformer</b> <small>(26 22 13 00-0209)</small> Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.			
<b>26 22 13 00-0211</b>		<b>Factory Modifications</b> <small>(26 22 13 00-0210)</small> Note: For use with series 4100 3 phase transformers.			
26 22 13 00-0212	EA	Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification.....	1,202.05		
26 22 13 00-0213	EA	Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification.....	195.47		
26 22 13 00-0214	EA	Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification.....	781.86		
26 22 13 00-0215	EA	Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification .....	2,252.60		
26 22 13 00-0216	EA	Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification.....	275.95		
26 22 13 00-0217	EA	Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification.....	218.46		
<b>26 22 13 00-0218</b>		<b>Accessories For Transformer Liquid Containment Area</b> <small>(26 22 13 00-0210)</small> Note: Reinforced concrete curb with 6" slab.			
26 22 13 00-0219	EA	Containment Area For 75 KVA.....	5,377.78		1,918.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,278.74		
26 22 13 00-0220	EA	Containment Area For 112.5 KVA.....	5,377.78		1,918.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,278.74		
26 22 13 00-0221	EA	Containment Area For 150 KVA.....	5,377.78		1,918.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,278.74		
26 22 13 00-0222	EA	Containment Area For 225 KVA.....	5,377.78		1,918.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,278.74		
26 22 13 00-0223	EA	Containment Area For 300 KVA.....	5,370.90		1,918.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,276.68		
26 22 13 00-0224	EA	Containment Area For 500 KVA.....	5,370.90		1,918.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,276.68		
26 22 13 00-0225	EA	Containment Area For 750 KVA.....	5,403.09		1,918.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,276.68		
26 22 13 00-0226	EA	Containment Area For 1,000 KVA.....	5,869.91		1,918.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,276.68		
<b>26 22 13 00-0227</b>		<b>Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil</b> <small>(26 22 13 00-0210)</small> Note: Rated to 5 KVA.			
26 22 13 00-0228	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	8,043.66		1,187.93
26 22 13 00-0229	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	8,733.54		1,187.93
26 22 13 00-0230	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	9,193.46		1,187.93
26 22 13 00-0231	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	10,573.22		1,187.93
26 22 13 00-0232	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	11,600.87		1,781.88
26 22 13 00-0233	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	12,060.79		1,781.88

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 22 13 00-0234	EA		500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	17,579.84	1,781.88
26 22 13 00-0235	EA		750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	22,526.21	2,375.84
26 22 13 00-0236	EA		1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	28,505.17	2,375.84
<b>26 22 13 00-0237</b>			<b>Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL.</b> <small>(26 22 13 00-0210)</small> Note: Rated to 5 KVA.		
26 22 13 00-0238	EA		45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,273.62	1,187.93
26 22 13 00-0239	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	9,193.46	1,187.93
26 22 13 00-0240	EA		112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	9,423.42	1,187.93
26 22 13 00-0241	EA		150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	9,653.38	1,187.93
26 22 13 00-0242	EA		225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	11,600.87	1,781.88
26 22 13 00-0243	EA		300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	12,520.72	1,781.88
26 22 13 00-0244	EA		500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	17,579.84	1,781.88
26 22 13 00-0245	EA		750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	22,756.17	2,375.84
26 22 13 00-0246	EA		1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	28,505.17	2,375.84
<b>26 22 13 00-0247</b>			<b>Primary 5 KV Or 15 KV, Secondary 277/480 Volt</b> <small>(26 22 13 00-0209)</small> Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0248	EA		150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	13,676.45	1,605.01
26 22 13 00-0249	EA		225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	15,128.58	1,894.74
26 22 13 00-0250	EA		300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	17,245.85	2,315.80
26 22 13 00-0251	EA		500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	20,342.46	2,605.54
26 22 13 00-0252	EA		750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	24,371.12	2,742.59
26 22 13 00-0253	EA		1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	30,429.69	4,007.31
26 22 13 00-0254	EA		1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	35,515.16	4,533.63
26 22 13 00-0255	EA		2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	43,870.46	5,211.07
26 22 13 00-0256	EA		2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	48,091.53	5,471.62
26 22 13 00-0257	EA		3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	51,222.87	6,097.16
26 22 13 00-0258	EA		3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	58,194.29	6,514.05
<b>26 22 13 00-0259</b>			<b>Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled</b> <small>(26 22 13 00-0209)</small>		
26 22 13 00-0260	EA		1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	51,863.81	4,411.65
26 22 13 00-0261	EA		2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	63,597.71	5,073.42
26 22 13 00-0262	EA		2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	72,046.95	5,340.40
26 22 13 00-0263	EA		3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	76,708.28	5,968.71
26 22 13 00-0264	EA		3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	85,661.02	6,149.58
<b>26 22 13 00-0265</b>			<b>Silicone Filled Distribution Transformers, 3 Phase</b> <small>(26 22 13 00-0209)</small> Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0266	EA		225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	22,416.62	1,894.74
26 22 13 00-0267	EA		300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	24,445.85	2,315.80
26 22 13 00-0268	EA		500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	28,506.80	2,605.54
26 22 13 00-0269	EA		750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	33,981.96	2,742.59
26 22 13 00-0270	EA		1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	41,714.57	4,007.31
26 22 13 00-0271	EA		1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	52,239.32	4,533.63
26 22 13 00-0272	EA		2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	63,189.66	5,211.07
26 22 13 00-0273	EA		2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	71,615.02	5,471.62
<b>26 22 13 00-0274</b>			<b>Foam Core Poly Transformer Pads</b> <small>(26 22 13)</small>		
26 22 13 00-0275	EA		Single Phase Foam Core Poly Pads.....	201.14	34.10
			Note: Excludes site prep.		
<b>26 24</b>			<b>Switchboards and Panelboards</b> <small>(26 24)</small>		
<b>26 24 13</b>			<b>Switchboards</b> <small>(26 24)</small> Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.		
26 24 13 00-0001			<b>Fusible Switch Type 240 Volt, 3 Phase, 3 Wire</b> <small>(26 24 13)</small>		
26 24 13 00-0002			<b>Incoming Service Section Main Device Only</b> <small>(26 24 13 00-0001)</small> Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003	EA		400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	3,703.34	841.99
26 24 13 00-0004	EA		600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	4,114.57	890.61
26 24 13 00-0005	EA		800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	6,810.11	1,010.26
26 24 13 00-0006	EA		1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	7,337.93	1,083.03
26 24 13 00-0007	EA		1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	11,998.04	1,154.74

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0008	EA		2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	13,402.92	1,227.81
26 24 13 00-0009	EA		400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	4,551.79	841.99
26 24 13 00-0010	EA		600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	5,902.69	890.61
26 24 13 00-0011	EA		800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	8,315.99	1,011.12
26 24 13 00-0012	EA		1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	11,490.70	1,083.03
26 24 13 00-0013	EA		1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	11,998.04	1,155.91
26 24 13 00-0014	EA		2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	13,402.92	1,227.81
26 24 13 00-0015	EA		2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	16,183.15	1,283.64
26 24 13 00-0016	EA		3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	18,371.82	1,375.19
26 24 13 00-0017	EA		4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	21,742.63	1,482.42
26 24 13 00-0018	EA		400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,446.45	746.03
26 24 13 00-0019	EA		600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,715.66	794.25
26 24 13 00-0020	EA		800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,108.71	914.28
26 24 13 00-0021	EA		1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,362.48	952.69
26 24 13 00-0022	EA		1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,592.02	987.06
26 24 13 00-0023	EA		1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,945.58	1,058.30
26 24 13 00-0024	EA		2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,268.39	1,130.88
<b>26 24 13 00-0025</b>			<b>Branch Breaker Units</b> <small>(26 24 13 00-0001)</small>		
			Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0026	EA		15 To 60 Amperes, 240 Volt, MC Branch Breaker .....	334.08	29.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.62	
26 24 13 00-0027	EA		70 To 100 Amperes, 240 Volt, MC Branch Breaker .....	488.24	46.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.72	
26 24 13 00-0028	EA		125 To 225 Amperes, 240 Volt, MC Branch Breaker .....	1,326.68	84.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.54	
26 24 13 00-0029	EA		100 To 400 Amperes, 240 Volt, MC Branch Breaker .....	2,370.72	109.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.84	
26 24 13 00-0030	EA		300 To 600 Amperes, 240 Volt, MC Branch Breaker .....	4,194.39	269.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.69	
26 24 13 00-0031	EA		400 To 800 Amperes, 240 Volt, MC Branch Breaker .....	6,777.61	269.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.69	
26 24 13 00-0032	EA		600 To 1,200 Amperes, 240 Volt, MC Branch Breaker .....	10,971.75	480.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	288.21	
<b>26 24 13 00-0033</b>			<b>Fusible Switch Type 480 Volt, 3 Phase, 3 Wire</b> <small>(26 24 13)</small>		
<b>26 24 13 00-0034</b>			<b>Incoming Service Section Main Device Only</b> <small>(26 24 13 00-0033)</small>		
			Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035	EA		400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	5,257.83	1,092.56
26 24 13 00-0036	EA		600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	5,895.32	1,092.56
26 24 13 00-0037	EA		800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	8,910.62	1,419.85
26 24 13 00-0038	EA		1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	10,129.54	1,419.85
<b>26 24 13 00-0039</b>			<b>Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire</b> <small>(26 24 13)</small>		
<b>26 24 13 00-0040</b>			<b>Incoming Service Section Main Device Only</b> <small>(26 24 13 00-0039)</small>		
			Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041	EA		200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	3,336.86	746.03
26 24 13 00-0042	EA		600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	3,729.39	794.25
26 24 13 00-0043	EA		800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	5,830.00	914.28
26 24 13 00-0044	EA		1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	6,337.02	986.30
26 24 13 00-0045	EA		200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	4,142.29	746.03
26 24 13 00-0046	EA		600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	5,288.61	794.25
26 24 13 00-0047	EA		800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	7,502.81	914.28
26 24 13 00-0048	EA		1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	10,899.39	986.30
26 24 13 00-0049	EA		2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	12,815.28	1,107.00
26 24 13 00-0050	EA		200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	2,287.27	649.67
26 24 13 00-0051	EA		600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	2,574.79	697.99
26 24 13 00-0052	EA		800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,023.11	818.03
26 24 13 00-0053	EA		1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,263.45	856.43
26 24 13 00-0054	EA		1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,497.13	890.61
26 24 13 00-0055	EA		1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,800.22	952.69
26 24 13 00-0056	EA		2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	4,097.84	1,010.26
26 24 13 00-0057	EA		2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	5,088.03	1,251.39
26 24 13 00-0058	EA		3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	5,705.87	1,371.72
26 24 13 00-0059	EA		4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	6,765.40	1,480.01
<b>26 24 13 00-0060</b>			<b>Branch Breaker Units</b> <small>(26 24 13 00-0039)</small>		
			Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061	EA		15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker .....	175.96	25.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31	
26 24 13 00-0062	EA		70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker .....	278.84	42.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.41	
26 24 13 00-0063	EA		125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker .....	875.64	59.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.52	
26 24 13 00-0064	EA		100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker .....	2,552.89	76.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.63	
26 24 13 00-0065	EA		300 To 600 Amperes, 120/240 Volt, MC Branch Breaker .....	3,996.73	185.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.17	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24	13 00-0066	EA 400 To 800 Amperes, 120/240 Volt, MC Branch Breaker .....	5,710.85		185.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.17		
26 24	13 00-0067	EA 600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker .....	9,398.65		353.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	212.28		

**26 24 13 00-0068 Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire (26 24 13)**

**26 24 13 00-0069 Incoming Service Section Main Device Only (26 24 13 00-0068)**

Note: Copper bus, non-metering type, with fuses.

26 24	13 00-0070	EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	3,704.53		841.99
26 24	13 00-0071	EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	4,113.25		890.61
26 24	13 00-0072	EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	6,808.42		1,010.26
26 24	13 00-0073	EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	7,335.98		1,083.03
26 24	13 00-0074	EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	11,993.60		1,154.74
26 24	13 00-0075	EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	13,402.92		1,227.81
26 24	13 00-0076	EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	4,552.98		841.99
26 24	13 00-0077	EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	5,901.37		890.61
26 24	13 00-0078	EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	8,315.99		1,011.12
26 24	13 00-0079	EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	11,488.75		1,083.03
26 24	13 00-0080	EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	11,995.81		1,155.91
26 24	13 00-0081	EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	13,402.92		1,227.81
26 24	13 00-0082	EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	2,581.34		746.03
26 24	13 00-0083	EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	2,901.58		794.25
26 24	13 00-0084	EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	3,387.90		914.28
26 24	13 00-0085	EA 1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	3,657.38		952.69
26 24	13 00-0086	EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	3,918.91		987.06
26 24	13 00-0087	EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	4,259.21		1,058.30
26 24	13 00-0088	EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	4,604.06		1,130.88
26 24	13 00-0089	EA 2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	5,487.56		1,285.09
26 24	13 00-0090	EA 3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	6,089.99		1,375.09
26 24	13 00-0091	EA 4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	7,247.28		1,477.60

**26 24 13 00-0092 Branch Breaker Units (26 24 13 00-0088)**

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24	13 00-0093	EA 15 To 60 Amperes, 120/208 Volt, MC Branch Breaker .....	334.08		29.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.62		
26 24	13 00-0094	EA 70 To 100 Amperes, 120/208 Volt, MC Branch Breaker .....	488.24		46.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.72		
26 24	13 00-0095	EA 125 To 225 Amperes, 120/208 Volt, MC Branch Breaker .....	1,326.68		84.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.54		
26 24	13 00-0096	EA 100 To 400 Amperes, 120/208 Volt, MC Branch Breaker .....	2,370.72		109.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.84		
26 24	13 00-0097	EA 300 To 600 Amperes, 120/208 Volt, MC Branch Breaker .....	4,194.39		269.53
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.69		
26 24	13 00-0098	EA 400 To 800 Amperes, 120/208 Volt, MC Branch Breaker .....	6,777.61		269.53
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.69		
26 24	13 00-0099	EA 600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker .....	10,971.75		480.35
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	288.21		

**26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire (26 24 13)**

**26 24 13 00-0101 Incoming Service Section Main Device Only (26 24 13 00-0100)**

Note: Copper bus, non-metering type, with fuses.

26 24	13 00-0102	EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	4,777.45		1,154.74
26 24	13 00-0103	EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	5,259.14		1,227.81
26 24	13 00-0104	EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	7,626.84		1,370.46
26 24	13 00-0105	EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	8,349.06		1,467.40
26 24	13 00-0106	EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	6,217.92		1,154.74
26 24	13 00-0107	EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	8,487.74		1,227.81
26 24	13 00-0108	EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	9,624.61		1,372.01
26 24	13 00-0109	EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	12,257.45		1,467.40
26 24	13 00-0110	EA 1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	12,813.49		1,564.73
26 24	13 00-0111	EA 2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	14,271.22		1,661.95
26 24	13 00-0112	EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	2,581.34		746.03
26 24	13 00-0113	EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	2,901.58		794.25
26 24	13 00-0114	EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	3,387.90		914.28
26 24	13 00-0115	EA 1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	3,657.38		952.69
26 24	13 00-0116	EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	3,918.91		987.06
26 24	13 00-0117	EA 1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	4,259.21		1,058.30
26 24	13 00-0118	EA 2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	4,604.06		1,130.88

**26 24 13 00-0119 Branch Breaker Units (26 24 13 00-0100)**

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24	13 00-0120	EA 15 To 60 Amperes, 480/277 Volt, MC Branch Breaker .....	704.10		29.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.62		
26 24	13 00-0121	EA 70 To 100 Amperes, 480/277 Volt, MC Branch Breaker .....	806.63		46.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.72		
26 24	13 00-0122	EA 125 To 225 Amperes, 480/277 Volt, MC Branch Breaker .....	1,462.64		84.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.54		
26 24	13 00-0123	EA 100 To 400 Amperes, 480/277 Volt, MC Branch Breaker .....	2,370.72		109.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.84		

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0124	EA		300 To 600 Amperes, 480/277 Volt, MC Branch Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,677.89 161.69	269.53
26 24 13 00-0125	EA		400 To 800 Amperes, 480/277 Volt, MC Branch Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,810.41 161.69	269.53
26 24 13 00-0126	EA		600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,304.10 288.21	480.35
26 24 13 00-0127			<b>Fusible Branch Circuit Switch</b> <small>(26 24 13)</small> Note: Includes switch fuses, and portion of distribution section occupied by that branch device.		
26 24 13 00-0128			<b>240 Volt, 2 Pole Twin Branch Switch Units</b> <small>(26 24 13 00-0127)</small>		
26 24 13 00-0129	EA		30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	707.32 300.86	75.56
26 24 13 00-0130	EA		30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	704.74 300.86	75.56
26 24 13 00-0131	EA		60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	704.74 300.86	75.56
26 24 13 00-0132	EA		60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,113.65 300.86	99.63
26 24 13 00-0133	EA		100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,113.65 300.86	99.63
26 24 13 00-0134			<b>240 Volt, 2 Pole Single Branch Switch Units</b> <small>(26 24 13 00-0127)</small>		
26 24 13 00-0135	EA		100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	814.01 288.22	74.12
26 24 13 00-0136	EA		200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	1,200.50 288.22	74.12
26 24 13 00-0137	EA		400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit .....	3,081.97	199.75
26 24 13 00-0138			<b>240 Volt, 3 Pole Twin Branch Switch Units</b> <small>(26 24 13 00-0127)</small>		
26 24 13 00-0139	EA		30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	911.06 300.86	85.19
26 24 13 00-0140	EA		30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	908.48 300.86	85.19
26 24 13 00-0141	EA		60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	908.48 300.86	85.19
26 24 13 00-0142	EA		60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,374.24 300.86	114.07
26 24 13 00-0143	EA		100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,374.24 300.86	114.07
26 24 13 00-0144			<b>240 Volt, 3 Pole Single Branch Switch Units</b> <small>(26 24 13 00-0127)</small>		
26 24 13 00-0145	EA		100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	988.31 300.86	83.74
26 24 13 00-0146	EA		200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	1,618.36 288.22	83.74
26 24 13 00-0147	EA		400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit .....	4,145.30	223.61
26 24 13 00-0148	EA		600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit .....	5,932.89	286.48
26 24 13 00-0149	EA		800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit .....	11,100.87	388.12
26 24 13 00-0150			<b>600 Volt, 3 Pole Twin Branch Switch Units</b> <small>(26 24 13 00-0127)</small>		
26 24 13 00-0151	EA		30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,301.21 300.86	85.19
26 24 13 00-0152	EA		30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,298.60 300.86	85.19
26 24 13 00-0153	EA		60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,301.21 300.86	85.19
26 24 13 00-0154	EA		60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,962.92 300.86	114.07
26 24 13 00-0155	EA		100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	2,006.48 300.86	114.07
26 24 13 00-0156	EA		200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	4,309.85 300.86	149.21
26 24 13 00-0157			<b>600 Volt, 3 Pole, Single Branch Switch Units</b> <small>(26 24 13 00-0127)</small>		
26 24 13 00-0158	EA		100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	1,408.51 300.86	83.74
26 24 13 00-0159	EA		200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	2,151.82 288.22	83.74
26 24 13 00-0160	EA		400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	5,227.40 288.22	223.61
26 24 13 00-0161	EA		600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit .....	6,342.47	286.48
26 24 13 00-0162	EA		800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit .....	11,100.87	388.12
26 24 13 00-0163			<b>Service And Distribution Structures</b> <small>(26 24 13)</small>		
26 24 13 00-0164			<b>Distribution Section 600 Volt, 250 Volt DC</b> <small>(26 24 13 00-0163)</small>		
26 24 13 00-0165			<b>600 Amperes, 4 Wire, Main Bus</b> <small>(26 24 13 00-0164)</small>		
26 24 13 00-0166	EA		14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	2,361.78	885.60

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0167 EA 24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	2,842.21	885.60
26 24 13 00-0168 EA 34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	3,164.64	1,126.25
26 24 13 00-0169 EA 42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	3,475.62	1,126.25
<b>26 24 13 00-0170 800 Amperes, 4 Wire, Main Bus <small>(26 24 13 00-0164)</small></b>		
26 24 13 00-0171 EA 14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	2,644.78	1,025.18
26 24 13 00-0172 EA 24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	3,112.92	1,025.18
26 24 13 00-0173 EA 34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	3,475.62	1,270.65
26 24 13 00-0174 EA 42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	3,754.99	1,270.65
<b>26 24 13 00-0175 1,200 Amperes, 4 Wire, Main Bus <small>(26 24 13 00-0164)</small></b>		
26 24 13 00-0176 EA 14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	3,082.80	1,251.39
26 24 13 00-0177 EA 24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	3,561.45	1,251.39
26 24 13 00-0178 EA 34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	3,945.98	1,540.18
26 24 13 00-0179 EA 42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	4,355.25	1,540.18
<b>26 24 13 00-0180 1,600 Amperes, 4 Wire, Main Bus <small>(26 24 13 00-0164)</small></b>		
26 24 13 00-0181 EA 14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	3,876.69	1,371.72
26 24 13 00-0182 EA 24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	4,439.47	1,371.72
26 24 13 00-0183 EA 34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	4,893.85	1,694.20
26 24 13 00-0184 EA 42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	5,250.37	1,694.20
<b>26 24 13 00-0185 2,000 Amperes, 4 Wire, Main Bus <small>(26 24 13 00-0164)</small></b>		
26 24 13 00-0186 EA 14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	4,055.15	1,376.53
26 24 13 00-0187 EA 24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	4,659.85	1,549.80
26 24 13 00-0188 EA 34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	4,770.44	1,549.80
26 24 13 00-0189 EA 42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	4,959.33	1,636.43
<b>26 24 13 00-0190 3,000 Amperes, 4 Wire, Main Bus <small>(26 24 13 00-0164)</small></b>		
26 24 13 00-0191 EA 24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	5,711.21	1,549.80
26 24 13 00-0192 EA 34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	5,820.15	1,549.80
26 24 13 00-0193 EA 42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	6,009.04	1,636.43
<b>26 24 13 00-0194 4,000 Amperes, 4 Wire, Main Bus <small>(26 24 13 00-0164)</small></b>		
26 24 13 00-0195 EA 24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	5,834.62	1,636.43
26 24 13 00-0196 EA 34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	6,009.04	1,636.43
26 24 13 00-0197 EA 42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus .....	6,077.25	1,636.43
<b>26 24 13 00-0198 Pull Boy, Horizontal Mounted Across Top Of Switch Board <small>(26 24 13 00-0164)</small></b>		
26 24 13 00-0199 EA 18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard .....	528.08	115.51
26 24 13 00-0200 EA Drilled Bottom For Pull Boy .....	594.84	115.51
26 24 13 00-0201 EA Cable Supports In Pull Box .....	218.53	28.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>16.04</i>
<b>26 24 13 00-0202 Underground Pull Sections <small>(26 24 13 00-0164)</small></b>		
<i>Note: Excludes no bus or terminal.</i>		
26 24 13 00-0203 EA 12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal .....	505.72	134.77
26 24 13 00-0204 EA 24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal .....	888.87	173.27
26 24 13 00-0205 EA 24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal .....	888.87	173.27
26 24 13 00-0206 EA 14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal .....	660.71	134.77
26 24 13 00-0207 EA 28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal .....	954.30	197.34
26 24 13 00-0208 EA 14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal .....	1,085.63	197.34
26 24 13 00-0209 EA 26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal .....	1,133.43	255.09
26 24 13 00-0210 EA 38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal .....	1,191.68	255.09
<b>26 24 13 00-0211 Switchboard Sections <small>(26 24 13 00-0163)</small></b>		
26 24 13 00-0212 EA 600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit .....	4,131.49	802.14
26 24 13 00-0213 EA 800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit .....	4,527.37	871.94
26 24 13 00-0214 EA 1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit .....	5,671.02	1,114.12
26 24 13 00-0215 EA 1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit .....	6,203.23	1,215.39
26 24 13 00-0216 EA 2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit .....	6,616.43	1,293.84
26 24 13 00-0217 EA 400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section .....	4,996.59	703.67
26 24 13 00-0218 EA 200 Amperes, Distribution Section Subfeeder Lug-Rated .....	2,758.01	668.44
26 24 13 00-0219 EA 400 Amperes, Distribution Section Subfeeder Lug-Rated .....	3,061.21	724.85
26 24 13 00-0220 EA 120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus .....	5,083.98	802.14
26 24 13 00-0221 EA 800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker .....	5,476.31	804.26
26 24 13 00-0222 EA 1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker .....	6,020.41	897.92
26 24 13 00-0223 EA 15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame .....	150.72	48.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>29.39</i>
26 24 13 00-0224 EA 70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame .....	184.60	49.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>34.73</i>
26 24 13 00-0225 EA 70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame .....	901.30	57.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>74.81</i>
26 24 13 00-0226 EA 125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame .....	1,504.62	124.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>104.18</i>

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0227	EA		100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker.....	588.77	173.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.17	
26 24 13 00-0228	EA		225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker.....	1,714.39	100.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.81	
<b>26 24 13 00-0229</b>			<b>Switchboard, Structure Per Section Copper, 480 Volt <small>(26 24 13 00-0163)</small></b>		
26 24 13 00-0230	EA		225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard .....	2,141.10	417.77
26 24 13 00-0231	EA		400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard .....	3,055.23	564.95
26 24 13 00-0232	EA		600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard .....	3,410.04	687.59
26 24 13 00-0233	EA		800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard .....	4,269.37	962.61
26 24 13 00-0234	EA		1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard .....	5,287.12	1,203.26
26 24 13 00-0235	EA		1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard .....	5,867.34	1,203.26
26 24 13 00-0236	EA		2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard .....	7,204.57	1,604.39
26 24 13 00-0237	EA		2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard .....	8,317.12	1,604.39
26 24 13 00-0238	EA		3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard .....	9,772.63	1,909.92
26 24 13 00-0239	EA		4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard .....	11,819.84	1,909.92
<b>26 24 13 00-0240</b>			<b>Main Devices <small>(26 24 13)</small></b>		
<b>26 24 13 00-0241</b>			<b>Power Circuit Breakers <small>(26 24 13 00-0240)</small></b>		
<b>26 24 13 00-0242</b>			<b>DSL Breaker With Current Limiters And Amptector <small>(26 24 13 00-0241)</small></b>		
			Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243	EA		50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip .....	7,665.17	1,010.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	605.16	
26 24 13 00-0244	EA		50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip .....	14,039.47	1,684.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,009.73	
26 24 13 00-0245	EA		1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip .....	31,948.08	2,830.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,682.88	
26 24 13 00-0246	EA		4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip .....	51,418.33	4,582.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,798.29	
26 24 13 00-0247	EA		Ground-Fault Trip All Power Breakers - Factory Installed .....	2,786.02	
26 24 13 00-0248	EA		Key Interlock All Power Breakers - Factory Installed.....	359.81	
26 24 13 00-0249	EA		Short Time Delay Selective Trip - Factory Installed .....	472.04	
26 24 13 00-0250	EA		Shunt Trip Manually Open Breakers - Factory Installed.....	340.00	
<b>26 24 13 00-0251</b>			<b>DSL Breaker Electrical Operated And Amptector <small>(26 24 13 00-0241)</small></b>		
			Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252	EA		50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip .....	9,020.21	1,058.87
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	638.33	
26 24 13 00-0253	EA		50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip .....	16,824.04	1,780.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,063.27	
26 24 13 00-0254	EA		1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip.....	35,958.66	2,935.96
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,769.51	
26 24 13 00-0255	EA		4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip.....	55,409.64	4,813.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,958.84	
<b>26 24 13 00-0256</b>			<b>DS Breakers With Amptector Static Trip, Manually Operated <small>(26 24 13 00-0241)</small></b>		
			Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257	EA		50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip .....	6,059.91	924.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	555.35	
26 24 13 00-0258	EA		50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip .....	11,138.01	1,549.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	925.59	
26 24 13 00-0259	EA		2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip .....	16,413.32	2,599.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,542.65	
26 24 13 00-0260	EA		1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip .....	28,378.24	4,187.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,569.25	
26 24 13 00-0261	EA		4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip .....	46,130.50	6,834.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,271.94	
<b>26 24 13 00-0262</b>			<b>DS Breakers With Amptector Static Trip, Electrically Operated <small>(26 24 13 00-0241)</small></b>		
			Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263	EA		50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	7,218.82	885.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	529.68	
26 24 13 00-0264	EA		50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	13,531.49	1,482.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	882.59	
26 24 13 00-0265	EA		2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip .....	19,148.38	2,464.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,473.38	
26 24 13 00-0266	EA		1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	31,589.36	4,014.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,455.64	
26 24 13 00-0267	EA		4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip .....	49,252.99	6,882.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,102.04	
<b>26 24 13 00-0268</b>			<b>Molded Case Circuit Breakers Conventional <small>(26 24 13 00-0241)</small></b>		
26 24 13 00-0269	EA		70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker .....	2,445.51	808.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	465.78	
26 24 13 00-0270	EA		125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker .....	3,674.33	808.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	506.64	
26 24 13 00-0271	EA		300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker .....	4,079.33	962.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	555.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0272 EA 400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	4,882.24	962.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	601.63	
26 24 13 00-0273 EA 600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	7,376.97	1,155.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	659.32	
26 24 13 00-0274 EA 1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	12,110.94	1,155.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	729.25	
26 24 13 00-0275 EA Shunt Trip, Factory Installed.....	356.50	
26 24 13 00-0276 EA Groundfault Trip Complete Interrupting Circuit, Factory Installed.....	82.52	
<b>26 24 13 00-0277 Switchboard Branch Breaker 480 Volt (26 24 13 00-0240)</b>		
26 24 13 00-0278 EA 60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	540.47	69.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.85	
26 24 13 00-0279 EA 100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	633.97	92.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.54	
26 24 13 00-0280 EA 225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	1,877.21	139.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.66	
26 24 13 00-0281 EA 400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,484.56	174.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	104.93	
26 24 13 00-0282 EA 600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,999.37	234.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	140.73	
26 24 13 00-0283 EA 800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	3,616.32	300.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	180.49	
26 24 13 00-0284 EA 1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	5,825.40	458.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	275.03	
26 24 13 00-0285 EA 1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	5,825.40	458.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	275.03	
26 24 13 00-0286 EA 1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	8,170.89	641.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	385.04	
26 24 13 00-0287 EA 2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	10,140.02	962.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	577.57	
<b>26 24 13 00-0288 Switchboard 277/480 Volt Main Breaker (26 24 13 00-0240)</b>		
26 24 13 00-0289 EA 400 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	6,651.51	417.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	250.68	
26 24 13 00-0290 EA 600 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	6,730.94	457.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	274.51	
26 24 13 00-0291 EA 800 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	7,191.07	687.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	412.55	
26 24 13 00-0292 EA 1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	12,373.33	962.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	577.57	
26 24 13 00-0293 EA 1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	12,577.78	1,064.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	638.90	
26 24 13 00-0294 EA 2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	16,431.51	1,909.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,145.96	
<b>26 24 13 00-0295 Branch Or Distribution Devices (26 24 13)</b>		
<b>26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295)</b>		
Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297 EA 15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	455.19	34.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.10	
26 24 13 00-0298 EA 70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	461.21	43.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.88	
26 24 13 00-0299 EA 125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,100.38	51.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.65	
26 24 13 00-0300 EA 70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,594.17	67.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.76	
26 24 13 00-0301 EA 125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,245.49	83.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.45	
26 24 13 00-0302 EA 300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,938.97	97.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.97	
26 24 13 00-0303 EA 900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	4,479.45	109.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.35	
<b>26 24 13 00-0304 2 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295)</b>		
Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305 EA 15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	314.03	25.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.33	
26 24 13 00-0306 EA 70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	403.69	34.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.10	
26 24 13 00-0307 EA 125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,094.96	43.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.88	
26 24 13 00-0308 EA 70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,731.05	48.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.76	
26 24 13 00-0309 EA 125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,831.52	62.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.87	
26 24 13 00-0310 EA 900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	4,141.62	90.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.65	
<b>26 24 13 00-0311 Meter Devices And Instrumentation (26 24 13)</b>		
Note: Factory installed accessories.		
<b>26 24 13 00-0312 Compartments For Instrument Transformers And Metering Devices (26 24 13 00-0311)</b>		

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0313	EA		Compartment For, Up To 800 Amperes, Primary Current Transformer .....	430.78	
26 24 13 00-0314	EA		Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer .....	622.23	
26 24 13 00-0315	EA		Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer .....	732.82	
<b>26 24 13 00-0316</b>			<b>Instruments</b> <small>(26 24 13 00-0311)</small>		
26 24 13 00-0317	EA		AC Voltmeter.....	587.57	
26 24 13 00-0318	EA		AC Ammeter.....	587.57	
26 24 13 00-0319	EA		AC Wattmeter.....	1,569.61	
26 24 13 00-0320	EA		Variometer .....	1,772.62	
26 24 13 00-0321	EA		Power Factor Meter.....	1,416.12	
26 24 13 00-0322	EA		Frequency Meter.....	1,563.01	
26 24 13 00-0323	EA		200 Volt-Amperes Max Potential Transformer .....	528.16	
26 24 13 00-0324	EA		AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block.....	1,988.84	
26 24 13 00-0325	EA		AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2.....	3,327.38	
26 24 13 00-0326	EA		Weatherproof, Modify Meter.....	3,110.45	
26 24 13 00-0327	EA		Control Switch Resistor Type 130 V.....	70.32	
26 24 13 00-0328	EA		Metering Instrument: Voltage, Amperes And Watt Hour .....	4,013.66	
<b>26 24 16</b>			<b>Panelboards</b> <small>(26 24)</small>		
<b>26 24 16 00-0001</b>			<b>Branch Circuit Panelboard</b> <small>(26 24 16)</small>		
			Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
<b>26 24 16 00-0002</b>			<b>Assembled Lighting And Power Panelboards</b> <small>(26 24 16 00-0001)</small>		
			Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
<b>26 24 16 00-0003</b>			<b>120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0004	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers .....	1,126.97	274.34
			<i>For NEMA 3R Panelboard, Add</i> .....	1,058.54	
26 24 16 00-0005	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers .....	1,276.39	274.34
			<i>For NEMA 3R Panelboard, Add</i> .....	1,058.54	
26 24 16 00-0006	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers .....	1,445.57	380.23
			<i>For NEMA 3R Panelboard, Add</i> .....	1,058.54	
26 24 16 00-0007	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers .....	1,618.27	380.23
			<i>For NEMA 3R Panelboard, Add</i> .....	1,058.54	
26 24 16 00-0008	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers .....	1,779.58	476.50
			<i>For NEMA 3R Panelboard, Add</i> .....	1,058.54	
26 24 16 00-0009	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers .....	1,945.14	476.50
			<i>For NEMA 3R Panelboard, Add</i> .....	1,058.54	
26 24 16 00-0010	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers .....	2,105.47	548.69
			<i>For NEMA 3R Panelboard, Add</i> .....	1,058.54	
26 24 16 00-0011	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	2,522.24	702.71
			<i>For NEMA 3R Panelboard, Add</i> .....	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	85.06	
26 24 16 00-0012	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers .....	2,650.17	702.71
			<i>For NEMA 3R Panelboard, Add</i> .....	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	85.06	
26 24 16 00-0013	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers .....	2,778.29	803.78
			<i>For NEMA 3R Panelboard, Add</i> .....	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	85.06	
26 24 16 00-0014	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers .....	2,986.21	803.78
			<i>For NEMA 3R Panelboard, Add</i> .....	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	145.28	
26 24 16 00-0015	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers .....	3,115.54	904.86
			<i>For NEMA 3R Panelboard, Add</i> .....	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	145.28	
26 24 16 00-0016	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers .....	3,305.23	904.86
			<i>For NEMA 3R Panelboard, Add</i> .....	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	145.28	
26 24 16 00-0017	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	3,418.29	1,001.12
			<i>For NEMA 3R Panelboard, Add</i> .....	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	145.28	
26 24 16 00-0018	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers .....	3,612.87	1,001.12
			<i>For NEMA 3R Panelboard, Add</i> .....	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	145.28	
26 24 16 00-0019	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	3,788.21	1,107.00
			<i>For NEMA 3R Panelboard, Add</i> .....	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	145.28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0020 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,912.59 1,431.18 185.67	1,107.00
26 24 16 00-0021 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,085.78 1,431.18 185.67	1,107.00
<b>26 24 16 00-0022 120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0023 EA 50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,354.39 1,058.54	264.72
26 24 16 00-0024 EA 50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,505.90 1,058.54	264.72
26 24 16 00-0025 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,847.94 1,058.54	452.43
26 24 16 00-0026 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,097.92 1,058.54	452.43
26 24 16 00-0027 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,262.61 1,058.54	553.50
26 24 16 00-0028 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,433.85 1,058.54	553.50
26 24 16 00-0029 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,586.83 1,058.54	664.20
26 24 16 00-0030 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,135.19 1,164.10 85.06	664.20
26 24 16 00-0031 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,270.33 1,164.10 85.06	813.40
26 24 16 00-0032 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,416.38 1,164.10 85.06	813.40
26 24 16 00-0033 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,575.54 1,375.08 145.28	914.48
26 24 16 00-0034 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,706.20 1,375.08 145.28	914.48
26 24 16 00-0035 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,844.96 1,375.08 145.28	1,001.12
26 24 16 00-0036 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,993.04 1,375.08 145.28	1,001.12
26 24 16 00-0037 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,151.97 1,375.08 145.28	1,184.02
26 24 16 00-0038 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,323.61 1,375.08 145.28	1,184.02
26 24 16 00-0039 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,510.28 1,431.18 185.67	1,184.02
26 24 16 00-0040 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,627.92 1,431.18 185.67	1,251.39
<b>26 24 16 00-0041 120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0042 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,365.38 1,058.54	312.85
26 24 16 00-0043 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,528.06 1,058.54	312.85
26 24 16 00-0044 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,713.61 1,058.54	418.74

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 16 00-0045	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	1,909.80	418.74
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0046	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,084.87	514.99
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0047	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,271.48	514.99
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0048	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	2,447.97	611.26
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0049	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	2,627.82	611.26
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0050	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	2,797.90	717.15
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0051	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	2,993.83	717.15
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0052	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,191.00	827.84
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0053	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,386.88	827.84
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0054	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	3,770.56	1,001.12
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0055	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	3,898.68	1,001.12
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0056	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,128.60	1,111.81
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0057	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	4,333.34	1,111.81
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0058	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	4,481.60	1,212.89
			<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0059	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	4,682.12	1,212.89
			<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0060	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,601.15	1,076.20
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0061	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	4,742.70	1,131.07
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0062	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,982.27	1,191.23
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0063	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	5,201.36	1,261.02
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0064	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,357.86	1,299.53
			<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0065	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,604.16	1,378.94
			<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	

**26 24 16 00-0066 120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards** (26 24 16 00-0062)

26 24 16 00-0067	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,647.19	303.22
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0068	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,811.84	303.22
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0069 EA 50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,009.91	399.48
<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0070 EA 50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,293.48	399.48
<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0071 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,683.53	601.63
<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0072 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,855.20	601.63
<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0073 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,039.74	702.71
<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0074 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,191.68	702.71
<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0075 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,399.56	813.40
<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0076 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,538.28	813.40
<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0077 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,770.97	914.48
<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0078 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,972.62	914.48
<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0079 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,683.39	1,058.87
<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0080 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	4,886.62	1,116.63
<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0081 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,970.76	1,116.63
<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0082 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	5,197.66	1,261.02
<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0083 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,359.57	1,261.02
<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0084 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,460.91	1,261.02
<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0085 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,537.27	1,159.95
<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0086 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	5,758.32	1,227.33
<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0087 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,845.03	1,261.02
<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0088 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,089.21	1,338.02
<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0089 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,249.93	1,376.53
<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0090 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,397.72	1,424.67
<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
<b>26 24 16 00-0091 480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0092 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,555.30	308.04
<i>For NEMA 3R Panelboard, Add</i>	1,058.54	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0093	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,772.52	308.04
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0094	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	1,981.48	423.55
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0095	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,198.68	423.55
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0096	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,402.40	529.43
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0097	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,616.13	529.43
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0098	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	2,838.44	640.13
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0099	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,043.61	640.13
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0100	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,267.47	760.47
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0101	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,484.20	760.47
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0102	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,684.82	866.35
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0103	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,898.55	866.35
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0104	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,348.40	1,054.05
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0105	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	4,561.90	1,054.05
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0106	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,788.11	1,155.14
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0107	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	4,957.84	1,155.14
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0108	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,207.63	1,275.46
			<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0109	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,390.81	1,275.46
			<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
<b>26 24 16 00-0110</b>			<b>480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards</b> (26 24 16 00-0002)		
26 24 16 00-0111	EA		50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,987.31	327.29
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0112	EA		50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,199.97	356.16
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0113	EA		50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,414.79	442.80
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0114	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,897.42	539.06
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0115	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,100.93	596.82
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0116	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,287.54	644.95
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0117	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,491.94	702.71
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0118	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,689.08	760.47
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0119 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,870.52 1,164.10 85.06	808.59
26 24 16 00-0120 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,064.26 1,164.10 85.06	856.72
26 24 16 00-0121 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,272.90 1,164.10 85.06	914.48
26 24 16 00-0122 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,499.78 1,164.10 85.06	986.68
26 24 16 00-0123 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,711.55 1,375.08 145.28	1,097.37
26 24 16 00-0124 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,929.61 1,375.08 145.28	1,164.76
26 24 16 00-0125 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,088.26 1,375.08 145.28	1,193.63
26 24 16 00-0126 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,331.87 1,375.08 145.28	1,270.65
26 24 16 00-0127 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,505.11 1,431.18 185.67	1,318.78
26 24 16 00-0128 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,684.29 1,431.18 185.67	1,360.17
<b>26 24 16 00-0129 277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0130 EA 100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	1,904.56 1,058.54	336.92
26 24 16 00-0131 EA 100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	2,149.78 1,058.54	336.92
26 24 16 00-0132 EA 100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	2,389.14 1,058.54	447.62
26 24 16 00-0133 EA 100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	2,630.31 1,058.54	447.62
26 24 16 00-0134 EA 100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	2,875.08 1,058.54	553.50
26 24 16 00-0135 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	3,115.19 1,058.54	553.50
26 24 16 00-0136 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	3,358.91 1,058.54	664.20
26 24 16 00-0137 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,601.71 1,164.10 85.06	664.20
26 24 16 00-0138 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,865.20 1,164.10 85.06	779.71
26 24 16 00-0139 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,089.05 1,164.10 85.06	779.71
26 24 16 00-0140 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,324.46 1,164.10 85.06	784.52
26 24 16 00-0141 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,573.85 1,164.10 85.06	784.52
26 24 16 00-0142 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,204.56 1,375.08 145.28	1,087.75

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 16 00-0143	EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,459.96 1,375.08 145.28	1,087.75
26 24 16 00-0144	EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,661.78 1,375.08 145.28	1,145.51
26 24 16 00-0145	EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,938.82 1,375.08 145.28	1,222.51
26 24 16 00-0146	EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,152.92 1,431.18 185.67	1,222.51
26 24 16 00-0147	EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,458.17 1,431.18 185.67	1,338.02
<b>26 24 16 00-0148</b>	<b>277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0149	EA 50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,478.46 1,058.54	413.92
26 24 16 00-0150	EA 50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,729.02 1,058.54	413.92
26 24 16 00-0151	EA 50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,970.86 1,058.54	548.69
26 24 16 00-0152	EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	3,535.38 1,058.54	548.69
26 24 16 00-0153	EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	3,766.23 1,058.54	693.08
26 24 16 00-0154	EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	3,996.72 1,058.54	693.08
26 24 16 00-0155	EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	4,219.96 1,058.54	794.15
26 24 16 00-0156	EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,427.49 1,164.10 85.06	794.15
26 24 16 00-0157	EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,647.32 1,164.10 85.06	904.86
26 24 16 00-0158	EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,882.04 1,164.10 85.06	904.86
26 24 16 00-0159	EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,086.12 1,164.10 85.06	1,001.12
26 24 16 00-0160	EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,299.52 1,164.10 85.06	1,001.12
26 24 16 00-0161	EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,994.36 1,375.08 145.28	1,184.02
26 24 16 00-0162	EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,250.69 1,375.08 145.28	1,184.02
26 24 16 00-0163	EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,444.06 1,375.08 145.28	1,294.71
26 24 16 00-0164	EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,728.61 1,375.08 145.28	1,294.71
26 24 16 00-0165	EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,938.22 1,431.18 185.67	1,415.04
26 24 16 00-0166	EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	8,154.43 1,431.18 185.67	1,415.04



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 24 16 00-0167	EA		400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	9,720.28	1,575.80
				<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
	26 24 16 00-0168	EA		600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	11,841.31	1,891.52
				<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
	<b>26 24 16 00-0169</b>			<b>Unassembled Lighting And Power Panelboards</b> <small>(26 24 16 00-0001)</small>		
				Note: Listed panelboards include the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 28 28 16 13-0001 for circuit breakers.		
	<b>26 24 16 00-0170</b>			<b>240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small>		
				Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.		
	<b>26 24 16 00-0171</b>			<b>Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0170)</small>		
	26 24 16 00-0172	EA		100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	621.12	
	26 24 16 00-0173	EA		100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	712.68	
	26 24 16 00-0174	EA		225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	961.69	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
	26 24 16 00-0175	EA		225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,108.23	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
	26 24 16 00-0176	EA		225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,252.41	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
	26 24 16 00-0177	EA		400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,396.74	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
	26 24 16 00-0178	EA		400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,514.84	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
	26 24 16 00-0179	EA		400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,656.98	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
	26 24 16 00-0180	EA		600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,770.40	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
	26 24 16 00-0181	EA		600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,887.01	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
	26 24 16 00-0182	EA		600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,056.22	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
	<b>26 24 16 00-0183</b>			<b>Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0170)</small>		
	26 24 16 00-0184	EA		100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	921.49	
	26 24 16 00-0185	EA		100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,040.77	
	26 24 16 00-0186	EA		225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,660.87	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
	26 24 16 00-0187	EA		225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,840.17	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
	26 24 16 00-0188	EA		225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,006.99	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
	26 24 16 00-0189	EA		400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,536.86	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
	26 24 16 00-0190	EA		400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,729.82	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
	26 24 16 00-0191	EA		400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,906.40	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
	<b>26 24 16 00-0192</b>			<b>Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0170)</small>		
	26 24 16 00-0193	EA		100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,279.24	
	26 24 16 00-0194	EA		100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,363.28	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0195	EA		225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,596.62	
26 24 16 00-0196	EA		225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,740.03	
26 24 16 00-0197	EA		225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,872.30	
26 24 16 00-0198	EA		400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,138.22	
26 24 16 00-0199	EA		400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,248.17	
26 24 16 00-0200	EA		400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,382.79	
26 24 16 00-0201	EA		600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,553.88	
26 24 16 00-0202	EA		600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,666.13	
26 24 16 00-0203	EA		600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,823.73	
<b>26 24 16 00-0204</b>			<b>Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0170)</small>		
26 24 16 00-0205	EA		100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,572.09	
26 24 16 00-0206	EA		100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,683.22	
26 24 16 00-0207	EA		225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,417.40	
26 24 16 00-0208	EA		225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,581.66	
26 24 16 00-0209	EA		225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,737.19	
26 24 16 00-0210	EA		400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,251.39	
26 24 16 00-0211	EA		400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,436.83	
26 24 16 00-0212	EA		400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,611.53	
<b>26 24 16 00-0213</b>			<b>240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small>		
			Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers		
<b>26 24 16 00-0214</b>			<b>Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0213)</small>		
26 24 16 00-0215	EA		100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	698.44	
26 24 16 00-0216	EA		100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	819.86	
26 24 16 00-0217	EA		100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	919.86	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0218	EA		225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,035.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0219	EA		225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,190.32	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0220	EA		225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,316.61	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0221	EA		400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,517.15	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0222	EA		400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,632.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0223	EA		400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,759.83	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0224	EA		600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,904.60	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0225	EA		600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,105.88	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0226	EA		600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,502.14	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
<b>26 24 16 00-0227</b>			<b>Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0213)</small>		
26 24 16 00-0228	EA		100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,082.20	
26 24 16 00-0229	EA		100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,219.43	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 24 16 00-0230	EA		100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,384.95	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
	26 24 16 00-0231	EA		225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,066.83	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
	26 24 16 00-0232	EA		225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,236.13	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
	26 24 16 00-0233	EA		225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,389.14	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
	26 24 16 00-0234	EA		400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	3,325.61	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
	26 24 16 00-0235	EA		400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	3,503.18	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
	26 24 16 00-0236	EA		400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	3,651.31	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
	<b>26 24 16 00-0237</b>			<b>Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0213)</small>		
	26 24 16 00-0238	EA		100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,356.56	
	26 24 16 00-0239	EA		100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,470.46	
	26 24 16 00-0240	EA		100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,562.31	
	26 24 16 00-0241	EA		225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,670.01	
	26 24 16 00-0242	EA		225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,822.12	
	26 24 16 00-0243	EA		225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,936.50	
	26 24 16 00-0244	EA		400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,258.64	
	26 24 16 00-0245	EA		400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,366.29	
	26 24 16 00-0246	EA		400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,485.64	
	26 24 16 00-0247	EA		600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,688.07	
	26 24 16 00-0248	EA		600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,874.94	
	26 24 16 00-0249	EA		600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	3,271.20	
	<b>26 24 16 00-0250</b>			<b>Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0213)</small>		
	26 24 16 00-0251	EA		100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,732.80	
	26 24 16 00-0252	EA		100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,861.88	
	26 24 16 00-0253	EA		100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,023.02	
	26 24 16 00-0254	EA		225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,823.35	
	26 24 16 00-0255	EA		225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,977.61	
	26 24 16 00-0256	EA		225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	3,119.34	
	26 24 16 00-0257	EA		400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	4,697.26	
	26 24 16 00-0258	EA		400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	4,881.35	
	26 24 16 00-0259	EA		400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	5,040.51	
	<b>26 24 16 00-0260</b>			<b>480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small>		
				Note: As manufactured by Square D or equal.		
	<b>26 24 16 00-0261</b>			<b>Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0260)</small>		
	26 24 16 00-0262	EA		125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,013.11	
	26 24 16 00-0263	EA		125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,108.22	
	26 24 16 00-0264	EA		250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,523.94	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
	26 24 16 00-0265	EA		250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,696.17	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0266	EA		250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,844.82	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	185.67	
26 24 16 00-0267	EA		400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,828.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	85.06	
26 24 16 00-0268	EA		400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,923.15	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	145.28	
26 24 16 00-0269	EA		400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,087.04	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	185.67	
26 24 16 00-0270	EA		600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,170.03	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	85.06	
26 24 16 00-0271	EA		600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,325.62	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	145.28	
26 24 16 00-0272	EA		600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,536.88	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	185.67	
<b>26 24 16 00-0273</b>			<b>Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0260)</small>		
26 24 16 00-0274	EA		100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,096.75	
26 24 16 00-0275	EA		100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,163.13	
26 24 16 00-0276	EA		125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,346.98	
26 24 16 00-0277	EA		125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,469.00	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	85.06	
26 24 16 00-0278	EA		125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,703.76	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	145.28	
26 24 16 00-0279	EA		250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,516.31	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	85.06	
26 24 16 00-0280	EA		250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,666.22	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	145.28	
26 24 16 00-0281	EA		250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,857.61	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	185.67	
26 24 16 00-0282	EA		400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,962.86	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	85.06	
26 24 16 00-0283	EA		400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,154.63	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	145.28	
26 24 16 00-0284	EA		400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,330.92	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	185.67	
<b>26 24 16 00-0285</b>			<b>Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0260)</small>		
26 24 16 00-0286	EA		125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,648.67	
26 24 16 00-0287	EA		125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,743.78	
26 24 16 00-0288	EA		250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,144.45	
26 24 16 00-0289	EA		250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,425.75	
26 24 16 00-0290	EA		250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,561.86	
26 24 16 00-0291	EA		400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,545.48	
26 24 16 00-0292	EA		400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,621.39	
26 24 16 00-0293	EA		400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,758.33	
26 24 16 00-0294	EA		600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,903.99	
26 24 16 00-0295	EA		600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,044.17	
26 24 16 00-0296	EA		600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,222.31	
<b>26 24 16 00-0297</b>			<b>Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0260)</small>		
26 24 16 00-0298	EA		100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,867.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 16 00-0299	EA		100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,934.08	
26 24 16 00-0300	EA		125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,973.14	
26 24 16 00-0301	EA		125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,089.51	
26 24 16 00-0302	EA		125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,433.34	
26 24 16 00-0303	EA		250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,233.35	
26 24 16 00-0304	EA		250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,364.46	
26 24 16 00-0305	EA		250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,528.90	
26 24 16 00-0306	EA		400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,634.14	
26 24 16 00-0307	EA		400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,808.65	
26 24 16 00-0308	EA		400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,982.22	

**26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards** (26 24 16 00-0169)  
 Note: As manufactured by Square D or equal.

**26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards** (26 24 16 00-0309)

26 24 16 00-0311	EA		125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,055.73	
26 24 16 00-0312	EA		125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,151.47	
26 24 16 00-0313	EA		125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,330.40	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0314	EA		250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,586.65	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0315	EA		250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,760.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0316	EA		250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,907.67	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0317	EA		400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,911.40	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0318	EA		400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	2,025.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0319	EA		400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	2,188.62	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0320	EA		600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	2,271.89	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0321	EA		600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	2,428.04	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0322	EA		600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	2,640.03	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	

**26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards** (26 24 16 00-0309)

26 24 16 00-0324	EA		100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	2,316.12	
26 24 16 00-0325	EA		100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	2,383.13	
26 24 16 00-0326	EA		100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	2,580.83	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0327	EA		125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	2,648.53	
26 24 16 00-0328	EA		125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	2,771.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0329	EA		125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	3,005.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0330	EA		250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	3,870.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0331	EA		250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	4,021.83	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0332	EA		250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	4,211.19	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0333	EA		400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	4,386.78	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	85.06	
26 24 16 00-0334	EA		400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	4,580.50	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	145.28	
26 24 16 00-0335	EA		400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	4,756.58	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	185.67	
<b>26 24 16 00-0336</b>			<b>Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0309)</small>		
26 24 16 00-0337	EA		125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	1,691.29	
26 24 16 00-0338	EA		125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	1,787.03	
26 24 16 00-0339	EA		125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	1,956.56	
26 24 16 00-0340	EA		250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,207.16	
26 24 16 00-0341	EA		250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,489.82	
26 24 16 00-0342	EA		250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,624.71	
26 24 16 00-0343	EA		400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,630.32	
26 24 16 00-0344	EA		400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,724.18	
26 24 16 00-0345	EA		400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,859.90	
26 24 16 00-0346	EA		600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	3,005.85	
26 24 16 00-0347	EA		600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	3,146.34	
26 24 16 00-0348	EA		600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	3,324.48	
<b>26 24 16 00-0349</b>			<b>Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0309)</small>		
26 24 16 00-0350	EA		100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	2,936.64	
26 24 16 00-0351	EA		100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	3,003.65	
26 24 16 00-0352	EA		100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	3,310.41	
26 24 16 00-0353	EA		125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	3,274.68	
26 24 16 00-0354	EA		125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	3,391.59	
26 24 16 00-0355	EA		125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	3,734.76	
26 24 16 00-0356	EA		250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	4,587.14	
26 24 16 00-0357	EA		250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	4,720.06	
26 24 16 00-0358	EA		250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	4,882.48	
26 24 16 00-0359	EA		400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	5,058.06	
26 24 16 00-0360	EA		400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	5,234.23	
26 24 16 00-0361	EA		400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	5,407.18	
<b>26 24 16 00-0362</b>			<b>600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small> Note: Square D I-Line or equal.		
<b>26 24 16 00-0363</b>			<b>Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0362)</small>		
26 24 16 00-0364	EA		400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard .....	1,744.87	286.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	171.74	
26 24 16 00-0365	EA		400 Ampere Rating, 45" Breaker Mounted Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard .....	2,059.08	286.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	171.69	
26 24 16 00-0366	EA		400 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard .....	2,295.67	286.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	171.69	
26 24 16 00-0367	EA		600 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard .....	2,572.45	469.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	281.95	
26 24 16 00-0368	EA		600 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard .....	2,755.57	469.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	281.95	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0369 EA 600 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,956.51	469.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	281.95	
26 24 16 00-0370 EA 800 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,156.59	624.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	374.78	
26 24 16 00-0371 EA 800 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,332.17	626.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	375.93	
26 24 16 00-0372 EA 800 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,404.52	624.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	374.78	
26 24 16 00-0373 EA 800 Ampere Rating, 99" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,985.46	624.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	374.78	
26 24 16 00-0374 EA 1,200 Ampere Rating, 27" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,153.82	939.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	563.89	
26 24 16 00-0375 EA 1,200 Ampere Rating, 45" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,549.22	939.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	563.89	
26 24 16 00-0376 EA 1,200 Ampere Rating, 63" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,872.50	939.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	563.89	
26 24 16 00-0377 EA 1,200 Ampere Rating, 99" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,267.09	939.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	563.89	
<b>26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0362)</small>		
26 24 16 00-0379 EA 225 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,456.03	292.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	175.36	
26 24 16 00-0380 EA 400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,553.81	331.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.91	
26 24 16 00-0381 EA 400 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,782.30	331.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.91	
26 24 16 00-0382 EA 400 Ampere Rating, 81" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,454.80	331.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.91	
26 24 16 00-0383 EA 600 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,078.63	543.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	326.07	
26 24 16 00-0384 EA 600 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,455.85	544.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	326.94	
26 24 16 00-0385 EA 600 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,767.33	543.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	326.07	
26 24 16 00-0386 EA 800 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	8,937.25	726.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	435.92	
26 24 16 00-0387 EA 800 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	9,385.03	723.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	434.38	
26 24 16 00-0388 EA 800 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	9,830.67	723.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	434.38	
<b>26 24 16 00-0389 Residential Lighting And Power Panelboards</b> <small>(26 24 16 00-0001)</small>		
See CSI section 26 28 16 13-0001 for circuit breakers.		
<b>26 24 16 00-0390 Residential Type Unassembled Load Center</b> <small>(26 24 16 00-0389)</small>		
Note: Interior box and cover, includes ground bar kit.		
<b>26 24 16 00-0391 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt</b> <small>(26 24 16 00-0390)</small>		
26 24 16 00-0392 EA 30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	135.89	48.13
26 24 16 00-0393 EA 70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	443.94	192.53
26 24 16 00-0394 EA 100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	677.12	274.82
26 24 16 00-0395 EA 125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	1,451.08	577.66
26 24 16 00-0396 EA 150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	1,589.20	625.70
<b>26 24 16 00-0397 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC</b> <small>(26 24 16 00-0390)</small>		
Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.		
26 24 16 00-0398 EA 60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard.....	194.62	52.95
26 24 16 00-0399 EA 125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard.....	362.48	57.76

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 24 16 00-0400		<b>Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof</b> <small>(26 24 16 00-0390)</small>			
26 24 16 00-0401	EA	40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	198.26		52.95
26 24 16 00-0402	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	221.62		57.76
26 24 16 00-0403	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	749.76		274.82
26 24 16 00-0404	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	1,699.74		625.70
26 24 16 00-0405		<b>Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC</b> <small>(26 24 16 00-0390)</small>			
Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.					
26 24 16 00-0406	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard .....	249.89		52.95
26 24 16 00-0407	EA	125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard .....	1,653.36		577.66
26 24 16 00-0408		<b>Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt</b> <small>(26 24 16 00-0390)</small>			
26 24 16 00-0409	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	1,795.31		577.66
26 24 16 00-0410	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	1,949.23		625.70
26 24 16 00-0411	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	7,317.09		962.61
26 24 16 00-0412		<b>Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC</b> <small>(26 24 16 00-0390)</small>			
Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.					
26 24 16 00-0413	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard .....	2,712.43		577.66
26 24 16 00-0414	EA	150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard .....	2,960.30		625.70
26 24 16 00-0415	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard .....	8,088.77		962.61
26 24 16 00-0416		<b>Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof</b> <small>(26 24 16 00-0390)</small>			
26 24 16 00-0417	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	1,897.95		577.66
26 24 16 00-0418	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	2,124.50		625.70
26 24 16 00-0419		<b>Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC</b> <small>(26 24 16 00-0390)</small>			
Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.					
26 24 16 00-0420	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard .....	2,882.66		577.66
26 24 16 00-0421	EA	155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard .....	2,978.78		625.70
26 24 16 00-0422		<b>Residential Type Assembled Load Center</b> <small>(26 24 16 00-0389)</small>			
26 24 16 00-0423		<b>Main Lug Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase</b> <small>(26 24 16 00-0422)</small>			
Note: Includes 1 pole plug-in breaker.					
26 24 16 00-0424	EA	100 Ampere Rating, Main Lugs, Indoor 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	677.59		274.82
26 24 16 00-0425	EA	100 Ampere Rating, Main Lugs, Indoor 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	830.00		321.03
26 24 16 00-0426	EA	100 Ampere Rating, Main Lugs, Rainproof, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	694.96		274.82
26 24 16 00-0427	EA	100 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	834.74		321.03
26 24 16 00-0428	EA	200 Ampere Rating, Main Lugs, Indoor, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,225.30		427.88
26 24 16 00-0429	EA	200 Ampere Rating, Main Lugs, Indoor, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,442.40		513.55
26 24 16 00-0430	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,647.57		592.49
26 24 16 00-0431	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,819.68		641.39
26 24 16 00-0432	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,722.65		962.61
26 24 16 00-0433	EA	200 Ampere Rating, Main Lugs, Rainproof, 16 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,286.88		427.88
26 24 16 00-0434	EA	200 Ampere Rating, Main Lugs, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,500.83		513.55
26 24 16 00-0435	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,705.99		592.49
26 24 16 00-0436	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,874.95		641.39
26 24 16 00-0437	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,904.24		962.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0438 EA 400 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	3,394.48	1,069.56
26 24 16 00-0439 EA 400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	3,583.97	1,069.56
<b>26 24 16 00-0440 Main Lug Load Center, 4 Wire, 20 Amperes, 120/208 Volt</b> <small>(26 24 16 00-0422)</small> Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0441 EA 125 Ampere Rating, Main Lugs, Indoor, 12 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	918.43	321.03
26 24 16 00-0442 EA 125 Ampere Rating, Main Lugs, Indoor, 18 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,368.43	481.31
26 24 16 00-0443 EA 125 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	970.53	321.03
26 24 16 00-0444 EA 125 Ampere Rating, Main Lugs, Rainproof, 18 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,415.80	481.31
26 24 16 00-0445 EA 200 Ampere Rating, Main Lugs, Indoor, 24 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,737.57	592.49
26 24 16 00-0446 EA 200 Ampere Rating, Main Lugs, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,899.31	641.78
26 24 16 00-0447 EA 200 Ampere Rating, Main Lugs, Indoor, 36 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,330.20	770.37
26 24 16 00-0448 EA 200 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,785.81	962.61
26 24 16 00-0449 EA 200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,792.84	592.49
26 24 16 00-0450 EA 200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,961.80	641.39
26 24 16 00-0451 EA 200 Ampere Rating, Main Lugs, Rainproof, 36 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,542.39	769.80
26 24 16 00-0452 EA 200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,998.98	962.61
26 24 16 00-0453 EA 400 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	3,441.86	1,069.56
26 24 16 00-0454 EA 400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	3,631.34	1,069.56
<b>26 24 16 00-0455 Main Breaker Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase</b> <small>(26 24 16 00-0422)</small> Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0456 EA 125 Ampere Rating, Main Breaker, Indoor, 12 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	912.11	321.03
26 24 16 00-0457 EA 125 Ampere Rating, Main Breaker, Indoor, 18 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,346.32	481.31
26 24 16 00-0458 EA 200 Ampere Rating, Main Breaker, Indoor, 20 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,571.89	513.55
26 24 16 00-0459 EA 200 Ampere Rating, Main Breaker, Indoor, 24 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,801.31	592.78
26 24 16 00-0460 EA 200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,986.16	641.78
26 24 16 00-0461 EA 200 Ampere Rating, Main Breaker, Indoor, 40 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,627.47	855.76
26 24 16 00-0462 EA 200 Ampere Rating, Main Breaker, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,587.68	513.55
26 24 16 00-0463 EA 200 Ampere Rating, Main Breaker, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,832.32	592.49
26 24 16 00-0464 EA 200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,993.38	641.39
26 24 16 00-0465 EA 200 Ampere Rating, Main Breaker, Rainproof, 40 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,540.62	855.76
26 24 16 00-0466 EA 400 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	5,020.92	1,069.56
26 24 16 00-0467 EA 400 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	5,336.73	1,069.56
<b>26 24 16 00-0468 Main Breaker Load Center, 4 Wire, 20 Amperes, 120/208 Volt</b> <small>(26 24 16 00-0422)</small> Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0469 EA 200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,428.30	641.78
26 24 16 00-0470 EA 200 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	3,291.11	962.61
26 24 16 00-0471 EA 200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,522.36	641.39
26 24 16 00-0472 EA 200 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	3,385.85	962.61
<b>26 24 16 00-0473 Panel Mounted Accessories And Fuseholders</b> <small>(26 24 16 00-0001)</small>		
<b>26 24 16 00-0474 Midget Finger-Safe Fuse Holders</b> <small>(26 24 16 00-0473)</small> Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0475 EA 1 Pole Midget Finger-Safe Fuse Holder .....	58.77	17.33
26 24 16 00-0476 EA 1 Pole With Indicator Midget Finger-Safe Fuse Holder .....	68.36	17.33
26 24 16 00-0477 EA 2 Pole Midget Finger-Safe Fuse Holder .....	94.25	25.99
	17.33	

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MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 16 00-0478	EA 2 Pole With Indicators Midget Finger-Safe Fuse Holder ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.30 17.33	25.99
26 24 16 00-0479	EA 3 Pole Midget Finger-Safe Fuse Holder ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.48 23.10	34.66
26 24 16 00-0480	EA 3 Pole With Indicators Midget Finger-Safe Fuse Holder ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	170.75 23.10	34.66
26 24 16 00-0481	EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder ..... Note: With indicators. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.58 23.10	34.66
26 24 16 00-0482	EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.69 23.10	34.66
26 24 16 00-0483	EA 4 Pole Midget Finger-Safe Fuse Holder ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.07 28.88	43.32
26 24 16 00-0484	EA 4 Pole With Indicator Midget Finger-Safe Fuse Holder ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	209.61 28.88	43.32
26 24 16 00-0485	EA 12 To 24 Volt DC Midget Finger-Safe Fuse Holder ..... Note: With indicator. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.40 11.55	17.33
26 24 16 00-0486	EA 20 To 24 Volt DC Midget Finger-Safe Fuse Holder ..... Note: With indicator. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.49 11.55	17.33
26 24 16 00-0487	EA 35 To 48 Volt DC Midget Finger-Safe Fuse Holder ..... Note: With indicator. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.33 11.55	17.33
<b>26 24 16 00-0488</b>	<b>Removal And Reinstallation Of Panelboards</b> <small>(26 24 16 00-0001)</small> Note: Includes storage, cleaning and supply materials.		
26 24 16 00-0489	EA Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers ..... Note: Includes removal and reinstallation of main wiring to panelboard. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,209.63 360.98	
26 24 16 00-0490	EA Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.40 18.77	
26 24 16 00-0491	EA Panelboard Filler Plate, Fits 1" Opening ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.84 0.90	
<b>26 24 19</b>	<b>Motor-Control Centers</b> <small>(26 24)</small>		
26 24 19 00-0001	<b>Combination Starters With Molded Case Circuit Breakers</b> <small>(26 24 19)</small> Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		
26 24 19 00-0002	<b>230 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0003	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,293.61 52.76	87.93
26 24 19 00-0004	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,721.08 55.40	92.33
26 24 19 00-0005	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,065.65 58.04	96.73
26 24 19 00-0006	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,394.85 68.59	114.32
26 24 19 00-0007	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,932.97 79.14	131.90
26 24 19 00-0008	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,142.22 105.52	175.86
26 24 19 00-0009	<b>480 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0010	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,293.61 52.76	87.93
26 24 19 00-0011	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,721.08 55.40	92.33
26 24 19 00-0012	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,065.65 58.04	96.73
26 24 19 00-0013	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,394.85 68.59	114.32
26 24 19 00-0014	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,932.97 79.14	131.90
26 24 19 00-0015	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,142.22 105.52	175.86
26 24 19 00-0016	<b>230 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0017	EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,339.19 52.76	87.93
26 24 19 00-0018	EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,460.03 55.40	92.33
26 24 19 00-0019	EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,407.13 58.04	96.73
26 24 19 00-0020	EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,231.61 68.59	114.32
26 24 19 00-0021	EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,143.50 79.14	131.90
26 24 19 00-0022	EA 230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,180.99 105.52	175.86

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 24 19 00-0023</b>	<b>480 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small>		
	Note: 1-Speed reversing.		
26 24 19 00-0024	EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit .....3,339.19		87.93
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.76	
26 24 19 00-0025	EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit .....4,460.03		92.33
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.40	
26 24 19 00-0026	EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit .....6,407.13		96.73
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.04	
26 24 19 00-0027	EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit .....11,231.61		114.32
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.59	
26 24 19 00-0028	EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit .....22,143.50		131.90
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.14	
26 24 19 00-0029	EA 480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit .....38,180.99		175.86
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.52	
<b>26 24 19 00-0030</b>	<b>230 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small>		
	Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit .....4,049.45		140.69
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.41	
26 24 19 00-0032	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit .....5,586.69		149.49
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.69	
26 24 19 00-0033	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit .....8,249.23		158.28
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.96	
26 24 19 00-0034	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit .....14,781.58		180.26
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.15	
26 24 19 00-0035	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit .....24,521.44		211.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.63	
<b>26 24 19 00-0036</b>	<b>480 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small>		
	Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037	EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit .....4,049.45		140.69
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.41	
26 24 19 00-0038	EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit .....5,586.69		149.49
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.69	
26 24 19 00-0039	EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit .....8,249.23		158.28
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.96	
26 24 19 00-0040	EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit .....14,781.58		180.26
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.15	
26 24 19 00-0041	EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit .....24,521.44		211.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.63	
<b>26 24 19 00-0042</b>	<b>230 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small>		
	Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit .....4,705.98		87.93
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.76	
26 24 19 00-0044	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit .....7,018.61		92.33
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.40	
26 24 19 00-0045	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit .....9,619.20		96.73
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.04	
26 24 19 00-0046	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit .....18,096.56		114.32
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.59	
26 24 19 00-0047	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit .....31,378.75		131.90
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.14	
<b>26 24 19 00-0048</b>	<b>480 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small>		
	Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit .....4,705.98		87.93
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.76	
26 24 19 00-0050	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit .....7,018.61		92.33
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.40	
26 24 19 00-0051	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit .....9,619.20		96.73
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.04	
26 24 19 00-0052	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit .....18,096.56		114.32
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.59	
26 24 19 00-0053	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit .....31,378.75		131.90
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.14	
<b>26 24 19 00-0054</b>	<b>230 Volt Combination With Molded Case Circuit</b> <small>(26 24 19 00-0001)</small>		
	Note: Reducing volt, auto-transformer.		
26 24 19 00-0055	EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit .....6,974.30		92.33
26 24 19 00-0056	EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit .....10,693.51		101.12
26 24 19 00-0057	EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit .....18,045.61		114.32
26 24 19 00-0058	EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit .....27,931.87		131.90
26 24 19 00-0059	EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit .....47,803.89		175.86
<b>26 24 19 00-0060</b>	<b>480 Volt Combination With Molded Case Circuit</b> <small>(26 24 19 00-0001)</small>		
	Note: Reducing volt, auto-transformer.		
26 24 19 00-0061	EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit .....6,974.30		92.33
26 24 19 00-0062	EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit .....10,693.51		101.12

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 24 19 00-0063	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit .....	18,045.61		114.32
26 24 19 00-0064	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit .....	27,931.87		131.90
26 24 19 00-0065	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit .....	47,803.89		175.86
<b>26 24 19 00-0066</b>		<b>230 Volt Combination With Molded Case Circuit</b> <small>(26 24 19 00-0001)</small>			
		Note: Reducing volt, part winding.			
26 24 19 00-0067	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit .....	4,733.96		140.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.41		
26 24 19 00-0068	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit .....	6,122.56		162.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.60		
26 24 19 00-0069	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit .....	10,805.26		180.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.15		
26 24 19 00-0070	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit .....	18,449.38		219.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.90		
26 24 19 00-0071	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit .....	25,353.28		281.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.83		
<b>26 24 19 00-0072</b>		<b>480 Volt Combination With Molded Case Circuit</b> <small>(26 24 19 00-0001)</small>			
		Note: Reducing volt, part winding.			
26 24 19 00-0073	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit .....	4,733.96		140.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.41		
26 24 19 00-0074	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit .....	6,122.56		162.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.60		
26 24 19 00-0075	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit .....	10,805.26		180.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.15		
26 24 19 00-0076	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit .....	18,449.38		219.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.90		
26 24 19 00-0077	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit .....	25,353.28		281.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.83		
<b>26 24 19 00-0078</b>		<b>230 Volt Combination With Molded Case Circuit</b> <small>(26 24 19 00-0001)</small>			
		Note: Reducing volt, energy saver.			
26 24 19 00-0079	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit .....	19,735.83		114.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.59		
26 24 19 00-0080	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit .....	20,929.41		140.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.41		
26 24 19 00-0081	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit .....	23,108.85		162.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.60		
26 24 19 00-0082	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit .....	35,013.16		180.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.15		
26 24 19 00-0083	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit .....	47,761.14		219.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.90		
26 24 19 00-0084	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit .....	64,821.81		281.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.83		
<b>26 24 19 00-0085</b>		<b>480 Volt Combination With Molded Case Circuit</b> <small>(26 24 19 00-0001)</small>			
		Note: Reducing volt, energy saver.			
26 24 19 00-0086	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit .....	19,735.83		114.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.59		
26 24 19 00-0087	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit .....	20,929.41		140.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.41		
26 24 19 00-0088	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit .....	23,108.85		162.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.60		
26 24 19 00-0089	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit .....	35,013.16		180.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.15		
26 24 19 00-0090	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit .....	47,761.14		219.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.90		
26 24 19 00-0091	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit .....	64,821.81		281.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.83		
<b>26 24 19 00-0092</b>		<b>Combination Starters With Current Limiting Circuit Breakers</b> <small>(26 24 19)</small>			
		Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.			
<b>26 24 19 00-0093</b>		<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>			
		Note: Full volt, 1-speed non-reversing.			
26 24 19 00-0094	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit .....	3,080.01		87.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.76		
26 24 19 00-0095	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit .....	3,507.49		92.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.40		
26 24 19 00-0096	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit .....	5,441.30		96.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.04		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0097 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	10,050.89	114.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>68.59</i>	
26 24 19 00-0098 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	18,020.98	131.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>79.14</i>	
26 24 19 00-0099 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	29,388.79	175.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>105.52</i>	
<b>26 24 19 00-0100 480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
<i>Note: Full volt, 1-speed non-reversing.</i>		
26 24 19 00-0101 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit.....	3,080.01	87.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.76</i>	
26 24 19 00-0102 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit.....	3,507.49	92.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>55.40</i>	
26 24 19 00-0103 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	5,441.30	96.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>58.04</i>	
26 24 19 00-0104 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	10,050.89	114.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>68.59</i>	
26 24 19 00-0105 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	18,020.98	131.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>79.14</i>	
26 24 19 00-0106 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit.....	29,388.79	175.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>105.52</i>	
<b>26 24 19 00-0107 230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
<i>Note: Full volt, 1-speed reversing.</i>		
26 24 19 00-0108 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	4,118.95	87.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.76</i>	
26 24 19 00-0109 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit.....	5,230.93	92.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>55.40</i>	
26 24 19 00-0110 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit.....	7,751.77	96.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>58.04</i>	
26 24 19 00-0111 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	13,852.21	114.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>68.59</i>	
26 24 19 00-0112 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	25,169.49	131.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>79.14</i>	
<b>26 24 19 00-0113 480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
<i>Note: Full volt, 1-speed reversing.</i>		
26 24 19 00-0114 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit.....	4,118.95	87.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.76</i>	
26 24 19 00-0115 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit.....	5,230.93	92.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>55.40</i>	
26 24 19 00-0116 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	7,751.77	96.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>58.04</i>	
26 24 19 00-0117 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	13,852.21	114.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>68.59</i>	
26 24 19 00-0118 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	25,169.49	131.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>79.14</i>	
<b>26 24 19 00-0119 230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
<i>Note: Full volt, 2-speed non-reversing, 2 wind.</i>		
26 24 19 00-0120 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	4,815.92	140.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>84.41</i>	
26 24 19 00-0121 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit.....	6,342.08	149.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>89.69</i>	
26 24 19 00-0122 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit.....	9,571.72	158.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>94.96</i>	
26 24 19 00-0123 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit.....	17,371.17	180.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>108.15</i>	
26 24 19 00-0124 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit.....	27,523.06	211.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>126.63</i>	
<b>26 24 19 00-0125 480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
<i>Note: Full volt, 2-speed non-reversing, 2 wind.</i>		
26 24 19 00-0126 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit.....	4,815.92	140.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>84.41</i>	
26 24 19 00-0127 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit.....	6,342.08	149.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>89.69</i>	
26 24 19 00-0128 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit.....	9,571.72	158.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>94.96</i>	
26 24 19 00-0129 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit.....	17,371.17	180.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>108.15</i>	
26 24 19 00-0130 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit.....	27,523.06	211.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>126.63</i>	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0131			<b>230 Volt Combination Starters With Current Limiting Circuit</b> (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	5,560.39	131.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.14	
26 24 19 00-0133	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit.....	7,857.41	140.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.41	
26 24 19 00-0134	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit.....	11,040.56	149.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.69	
26 24 19 00-0135	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit.....	20,769.45	171.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.88	
26 24 19 00-0136	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit.....	34,461.25	202.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.35	
26 24 19 00-0137			<b>480 Volt Combination Starters With Current Limiting Circuit</b> (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit.....	5,560.39	131.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.14	
26 24 19 00-0139	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit.....	7,857.41	140.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.41	
26 24 19 00-0140	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit.....	11,040.56	149.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.69	
26 24 19 00-0141	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit.....	20,769.45	171.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.88	
26 24 19 00-0142	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit.....	34,461.25	202.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.35	
26 24 19 00-0143			<b>230 Volt Combination Starters With Current Limiting Circuit</b> (26 24 19 00-0092) Note: Reduced volt, auto-transformer.		
26 24 19 00-0144	EA		230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit.....	7,718.61	92.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.40	
26 24 19 00-0145	EA		230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit.....	12,447.96	101.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.67	
26 24 19 00-0146	EA		230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit.....	21,060.53	114.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.59	
26 24 19 00-0147	EA		230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit.....	31,921.47	131.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.14	
26 24 19 00-0148	EA		230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit.....	52,537.81	175.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.52	
26 24 19 00-0149			<b>480 Volt Combination Starters With Current Limiting Circuit</b> (26 24 19 00-0092) Note: Reduced volt, auto-transformer.		
26 24 19 00-0150	EA		480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit.....	7,718.61	92.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.40	
26 24 19 00-0151	EA		480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit.....	12,447.96	101.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.67	
26 24 19 00-0152	EA		480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit.....	21,060.53	114.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.59	
26 24 19 00-0153	EA		480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit.....	31,921.47	131.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.14	
26 24 19 00-0154	EA		480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit.....	52,537.81	175.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.52	
26 24 19 00-0155			<b>230 Volt Combination Starters With Current Limiting Circuit</b> (26 24 19 00-0092) Note: Reduced volt, part winding.		
26 24 19 00-0156	EA		230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit.....	5,500.42	140.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.41	
26 24 19 00-0157	EA		230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit.....	6,873.52	162.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.60	
26 24 19 00-0158	EA		230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit.....	12,118.88	180.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.15	
26 24 19 00-0159	EA		230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit.....	21,501.95	219.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.90	
26 24 19 00-0160	EA		230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit.....	31,737.54	281.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.83	
26 24 19 00-0161			<b>480 Volt Combination Starters With Current Limiting Circuit</b> (26 24 19 00-0092) Note: Reduced volt, part winding.		
26 24 19 00-0162	EA		480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit.....	5,500.42	140.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.41	
26 24 19 00-0163	EA		480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit.....	6,873.52	162.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.60	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0164 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,118.88 108.15	180.26
26 24 19 00-0165 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,501.95 131.90	219.83
26 24 19 00-0166 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,737.54 168.83	281.38
<b>26 24 19 00-0167 230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, energy saving		
26 24 19 00-0168 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,371.59 68.59	114.32
26 24 19 00-0169 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,558.53 84.41	140.69
26 24 19 00-0170 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,715.82 97.60	162.67
26 24 19 00-0171 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,516.01 108.15	180.26
26 24 19 00-0172 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48,151.02 131.90	219.83
26 24 19 00-0173 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67,495.58 168.83	281.38
<b>26 24 19 00-0174 480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, energy saving		
26 24 19 00-0175 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,371.63 68.60	114.32
26 24 19 00-0176 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,558.53 84.41	140.69
26 24 19 00-0177 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,715.82 97.60	162.67
26 24 19 00-0178 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,516.01 108.15	180.26
26 24 19 00-0179 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48,151.02 131.90	219.83
26 24 19 00-0180 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67,495.58 168.83	281.38
<b>26 24 19 00-0181 Combination Starters With Fusible Switch</b> <small>(26 24 19)</small> Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
<b>26 24 19 00-0182 230 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0183 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,036.64 52.76	87.93
26 24 19 00-0184 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,820.77 55.40	92.33
26 24 19 00-0185 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,778.95 58.04	96.73
26 24 19 00-0186 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,451.51 68.59	114.32
26 24 19 00-0187 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,741.18 79.14	131.90
26 24 19 00-0188 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,533.03 105.52	175.86
<b>26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0190 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,036.64 52.76	87.93
26 24 19 00-0191 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,820.77 55.40	92.33
26 24 19 00-0192 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,778.95 58.04	96.73
26 24 19 00-0193 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,451.51 68.59	114.32
26 24 19 00-0194 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,741.18 79.14	131.90
26 24 19 00-0195 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,533.03 105.52	175.86

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0196	<b>230 Volt Combination Starters With Fusible Switch, Full Volt</b> (26 24 19 00-0181) Note: 1-Speed reversing.		
26 24 19 00-0197	EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing .....3,310.39	87.93	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.76	
26 24 19 00-0198	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing .....4,947.38	92.33	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.40	
26 24 19 00-0199	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing .....7,935.64	96.73	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.04	
26 24 19 00-0200	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing .....12,950.61	114.32	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.59	
26 24 19 00-0201	EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing .....19,941.58	131.90	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.14	
26 24 19 00-0202	EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing .....33,916.70	175.86	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.52	
26 24 19 00-0203	<b>480 Volt Combination Starters With Fusible Switch, Full Volt</b> (26 24 19 00-0181) Note: 1-Speed reversing.		
26 24 19 00-0204	EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing .....3,310.39	87.93	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.76	
26 24 19 00-0205	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing .....4,947.38	92.33	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.40	
26 24 19 00-0206	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing .....7,935.64	96.73	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.04	
26 24 19 00-0207	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing .....12,950.61	114.32	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.59	
26 24 19 00-0208	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing .....19,941.58	131.90	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.14	
26 24 19 00-0209	EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing .....33,916.70	175.86	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.52	
26 24 19 00-0210	<b>230 Volt Combination Starters With Fusible Switch, Full Volt</b> (26 24 19 00-0181) Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211	EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....3,863.38	140.69	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.41	
26 24 19 00-0212	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....5,329.73	149.49	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.69	
26 24 19 00-0213	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....8,415.38	158.28	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.96	
26 24 19 00-0214	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....15,069.55	180.26	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.15	
26 24 19 00-0215	EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....24,036.31	211.03	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.63	
26 24 19 00-0216	<b>480 Volt Combination Starters With Fusible Switch, Full Volt</b> (26 24 19 00-0181) Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217	EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....3,863.38	140.69	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.41	
26 24 19 00-0218	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....5,329.73	149.49	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.69	
26 24 19 00-0219	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....8,415.38	158.28	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.96	
26 24 19 00-0220	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....15,069.55	180.26	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.15	
26 24 19 00-0221	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....24,036.31	211.03	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.63	
26 24 19 00-0222	<b>230 Volt Combination Starters With Fusible Switch, Full Volt</b> (26 24 19 00-0181) Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223	EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter .....4,435.72	87.93	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.76	
26 24 19 00-0224	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter .....6,779.36	92.33	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.40	
26 24 19 00-0225	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter .....9,774.27	96.73	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.04	
26 24 19 00-0226	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter .....19,731.40	114.32	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.59	
26 24 19 00-0227	<b>480 Volt Combination Starters With Fusible Switch, Full Volt</b> (26 24 19 00-0181) Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228	EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter .....4,435.72	87.93	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.76	
26 24 19 00-0229	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter .....6,779.36	92.33	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.40	
26 24 19 00-0230	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter .....9,774.27	96.73	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.04	
26 24 19 00-0231	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter .....19,731.40	114.32	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.59	
26 24 19 00-0232	<b>230 Volt Combination Starters With Fusible Switch, Reduced Volt</b> (26 24 19 00-0181) Note: Auto-transformer.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0233 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,732.84 55.40	92.33
26 24 19 00-0234 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,909.66 60.67	101.12
26 24 19 00-0235 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,862.09 68.59	114.32
26 24 19 00-0236 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,527.42 79.14	131.90
26 24 19 00-0237 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44,582.97 105.52	175.86
<b>26 24 19 00-0238 480 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0239 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,732.84 55.40	92.33
26 24 19 00-0240 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,909.66 60.67	101.12
26 24 19 00-0241 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,862.09 68.59	114.32
26 24 19 00-0242 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,527.42 79.14	131.90
26 24 19 00-0243 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44,582.97 105.52	175.86
<b>26 24 19 00-0244 230 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Part winding.		
26 24 19 00-0245 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,762.75 84.41	140.69
26 24 19 00-0246 EA 25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,313.07 97.60	162.67
26 24 19 00-0247 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,078.67 108.15	180.26
26 24 19 00-0248 EA 75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,139.59 131.90	219.83
<b>26 24 19 00-0249 480 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Part winding.		
26 24 19 00-0250 EA 15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,762.75 84.41	140.69
26 24 19 00-0251 EA 40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,313.07 97.60	162.67
26 24 19 00-0252 EA 75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,078.67 108.15	180.26
26 24 19 00-0253 EA 150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,139.59 131.90	219.83
<b>26 24 19 00-0254 230 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Energy saver.		
26 24 19 00-0255 EA 7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,733.61 68.59	114.32
26 24 19 00-0256 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,929.41 84.41	140.69
26 24 19 00-0257 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,108.85 97.60	162.67
26 24 19 00-0258 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,013.16 108.15	180.26
26 24 19 00-0259 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47,761.14 131.90	219.83
26 24 19 00-0260 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64,821.81 168.83	281.38
<b>26 24 19 00-0261 480 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Energy saver.		
26 24 19 00-0262 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,733.61 68.59	114.32
26 24 19 00-0263 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,929.41 84.41	140.69
26 24 19 00-0264 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,108.85 97.60	162.67
26 24 19 00-0265 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,013.16 108.15	180.26

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0266	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	47,761.14	219.83
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.90	
26 24 19 00-0267	EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	64,821.81	281.38
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.83	
<b>26 24 19 00-0268</b>	<b>Starter Accessories</b> <small>(26 24 19)</small>		
	Note: Additional options or accessories for the Combination Starters		
<b>26 24 19 00-0269</b>	<b>Starter Modifications</b> <small>(26 24 19 00-0268)</small>		
26 24 19 00-0270	EA Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer .....	129.98	
26 24 19 00-0271	EA Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer .....	345.57	
26 24 19 00-0272	EA Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer.....	493.99	
26 24 19 00-0273	EA Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes.....	124.05	
26 24 19 00-0274	EA Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes.....	175.00	
26 24 19 00-0275	EA Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes.....	294.62	
26 24 19 00-0276	EA Overload Relay Heater Elements, 3 Per Starter.....	73.10	
26 24 19 00-0277	EA N.O. Overload Relay Alarm.....	62.03	
26 24 19 00-0278	EA Control Circuit Fuses, Primary/Secondary .....	102.91	
26 24 19 00-0279	EA Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton .....	127.23	
26 24 19 00-0280	EA Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton .....	248.86	
26 24 19 00-0281	EA Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select.....	127.23	
26 24 19 00-0282	EA Control Devices Type PB2 Mount On Device, Individual Light Full V.....	145.95	
26 24 19 00-0283	EA Control Devices Type PB2 Mount On Device, Individual Light Transformer .....	175.88	
26 24 19 00-0284	EA Control Devices Type PB2 Mount On Device, Individual Light Push To .....	207.69	
26 24 19 00-0285	EA Blank Devices Panel .....	39.29	
26 24 19 00-0286	EA Oversize Or Special Color Starter.....	61.75	
26 24 19 00-0287	EA Mini Voltmeter/Ammeter With Current Transformer .....	540.93	
26 24 19 00-0288	EA Mini Elapsed Time Meters, Non Resettable.....	490.41	
26 24 19 00-0289	EA Panel Elapsed Time Meter, Resettable.....	729.73	
26 24 19 00-0290	EA Terminal Blocks, Side Mounted, Press Connection, Plug-In Press.....	61.75	
26 24 19 00-0291	EA Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw.....	87.94	
26 24 19 00-0292	EA Terminal Blocks, Front Mounted, Press Connection, Standard.....	61.75	
26 24 19 00-0293	EA Terminal Blocks, Front Mounted, Press Connection, Plug-In.....	87.94	
26 24 19 00-0294	EA Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility .....	87.94	
26 24 19 00-0295	EA Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type .....	127.23	
26 24 19 00-0296	EA MOR - A Solid State Modular Overload Relay .....	316.21	
26 24 19 00-0297	EA Heater Module.....	54.99	
26 24 19 00-0298	EA LAM - Long Acceleration Module .....	341.61	
26 24 19 00-0299	EA JAM - Jam Protection Module .....	391.60	
26 24 19 00-0300	EA PUM - Phase Unbalance Module.....	743.21	
26 24 19 00-0301	EA ULM - Underload Module .....	356.61	
26 24 19 00-0302	EA Wiring To Common Control Circuit Transformer .....	78.32	
26 24 19 00-0303	EA Handle Operator Separable Source Control Circuit .....	146.64	
26 24 19 00-0304	EA Type SIS Control Wire .....	61.66	
26 24 19 00-0305	EA Ring Or Spade Terminals Control .....	78.32	
26 24 19 00-0306	EA Ring Terminals Power.....	78.32	
26 24 19 00-0307	EA 14 Gauge Control Wire .....	61.66	
26 24 19 00-0308	EA Wiremakers .....	78.32	
26 24 19 00-0309	EA Wiring Diagram On Door.....	46.66	
26 24 19 00-0310	EA Special Color Or Type Control Wire.....	56.66	
26 24 19 00-0311	EA Current Transformer 12.5 VA.....	444.93	
26 24 19 00-0312	EA Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4 .....	1,421.44	
26 24 19 00-0313	EA Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6 .....	1,599.74	
<b>26 24 19 00-0314</b>	<b>Control Relays And Special Components</b> <small>(26 24 19 00-0268)</small>		
26 24 19 00-0315	EA 600 Volt, 2 Pole, Control Relays .....	454.44	
26 24 19 00-0316	EA 600 Volt, 4 Pole, Control Relays .....	536.75	
26 24 19 00-0317	EA 600 Volt, 6 Pole, Control Relays .....	627.85	
26 24 19 00-0318	EA 600 Volt, 8 Pole, Control Relays .....	698.39	
26 24 19 00-0319	EA Pneumatic Timer, Control Relays.....	604.58	
26 24 19 00-0320	EA Motor Driven Timer, Control Relays.....	1,575.44	
26 24 19 00-0321	EA 7 Days Time Switch, Control Relays .....	1,982.91	
26 24 19 00-0322	EA 24 Hour Time Switch, Control Relays .....	556.04	
26 24 19 00-0323	EA Phase Voltage, Control Relays .....	945.85	
26 24 19 00-0324	EA Two Circuit Alternator, Control Relays .....	1,323.90	
26 24 19 00-0325	EA Manual 120 Volt, Control Relays .....	129.45	
26 24 19 00-0326	EA Over-Current Relay, Control Relays.....	3,179.48	
26 24 19 00-0327	EA UV-Relay, Control Relays .....	2,692.90	
26 24 19 00-0328	EA Over-Current Relay, Control Relays.....	2,692.90	
26 24 19 00-0329	EA Teleductor, Control Relays.....	975.27	
26 24 19 00-0330	EA Current Transducer, Control Relays.....	2,622.79	
26 24 19 00-0331	EA Watt Transducer, Control Relays .....	5,245.58	
26 24 19 00-0332	EA Control Relays, Blank, Add For Each 1x.....	177.99	
26 24 19 00-0333	EA Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway .....	266.25	
26 24 19 00-0334	EA Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway .....	300.08	
26 24 19 00-0335	EA Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway .....	333.92	
26 24 19 00-0336	EA Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway .....	300.08	
26 24 19 00-0337	EA Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway .....	333.92	
26 24 19 00-0338	EA Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway .....	351.57	
<b>26 24 19 00-0339</b>	<b>Circuit Breaker Modifications/Accessories</b> <small>(26 24 19 00-0268)</small>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0340	EA	Shunt Trip, Circuit Breaker.....	262.97	
26 24 19 00-0341	EA	Auxiliary Switch, Circuit Breaker.....	90.83	
26 24 19 00-0342	EA	Key Interlock, Circuit Breaker.....	326.70	
26 24 19 00-0343	EA	GFR Ground Fault, Circuit Breaker.....	1,506.04	
26 24 19 00-0344	EA	Seltronic Breaker, Circuit Breaker.....	872.42	

**26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers** (26 24 19 00-0268)

26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100.....	1,315.54	57.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>34.29</i>	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150.....	2,280.84	87.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.76</i>	
26 24 19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100.....	2,204.31	57.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>34.29</i>	
26 24 19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150.....	3,167.74	87.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.76</i>	
26 24 19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150.....	4,073.35	87.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.76</i>	
26 24 19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250.....	2,505.78	114.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>68.60</i>	
26 24 19 00-0352	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400.....	4,076.38	123.10
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>73.88</i>	
26 24 19 00-0353	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600.....	5,377.73	158.28
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>94.93</i>	
26 24 19 00-0354	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800.....	6,315.98	241.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>145.13</i>	
26 24 19 00-0355	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200.....	8,940.78	364.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>219.13</i>	
26 24 19 00-0356	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000.....	19,656.77	483.63
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>289.93</i>	
26 24 19 00-0357	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500.....	29,392.84	606.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>363.69</i>	
26 24 19 00-0358	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000.....	49,092.92	703.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>422.43</i>	
26 24 19 00-0359	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	1,583.11	57.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>34.29</i>	
26 24 19 00-0360	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150.....	2,540.92	87.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.76</i>	
26 24 19 00-0361	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	1,583.11	57.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>34.29</i>	
26 24 19 00-0362	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50.....	2,540.92	87.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.76</i>	
26 24 19 00-0363	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150.....	2,700.15	57.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>34.29</i>	
26 24 19 00-0364	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150.....	3,695.39	87.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.76</i>	
26 24 19 00-0365	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	4,589.77	87.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.76</i>	
26 24 19 00-0366	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100.....	2,411.82	87.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.76</i>	
26 24 19 00-0367	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400.....	6,106.42	241.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>145.13</i>	
26 24 19 00-0368	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225.....	6,106.42	241.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>145.13</i>	
26 24 19 00-0369	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400.....	8,236.27	263.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>158.21</i>	
26 24 19 00-0370	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600.....	10,288.81	307.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>184.58</i>	
26 24 19 00-0371	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800.....	11,837.23	364.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>219.13</i>	

**26 24 19 00-0372 Incoming Line And Feeder Fusible Switches** (26 24 19 00-0268)

26 24 19 00-0373	EA	30 To 60 Amperes, Incoming Line And Feeder Fusible Switches.....	1,352.34	87.93
26 24 19 00-0374	EA	Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual.....	2,083.88	87.93
26 24 19 00-0375	EA	100 Amperes, Incoming Line And Feeder Fusible Switches.....	2,274.29	109.91
26 24 19 00-0376	EA	200 Amperes, Incoming Line And Feeder Fusible Switches.....	3,704.79	131.90
26 24 19 00-0377	EA	400 Amperes, Incoming Line And Feeder Fusible Switches.....	7,315.28	167.07
26 24 19 00-0378	EA	600 Amperes, Incoming Line And Feeder Fusible Switches.....	10,262.90	219.83
26 24 19 00-0379	EA	800 Amperes, Incoming Line And Feeder Fusible Switches.....	24,993.40	294.57
26 24 19 00-0380	EA	1,200 Amperes, Incoming Line And Feeder Fusible Switches.....	28,188.24	408.88

**26 24 19 00-0381 Dry Type Distribution Transformers** (26 24 19 00-0268)

26 24 19 00-0382	EA	500 VA, Phase 1, Dry Type Distribution Transformers.....	1,276.09	
26 24 19 00-0383	EA	750 VA, Phase 1, Dry Type Distribution Transformers.....	1,317.25	
26 24 19 00-0384	EA	1,000 VA, Phase 1, Dry Type Distribution Transformers.....	1,360.28	
26 24 19 00-0385	EA	1,500 VA, Phase 1, Dry Type Distribution Transformers.....	1,560.49	
26 24 19 00-0386	EA	2,000 VA, Phase 1, Dry Type Distribution Transformers.....	1,691.47	
26 24 19 00-0387	EA	3,000 VA, Phase 1, Dry Type Distribution Transformers.....	1,788.04	
26 24 19 00-0388	EA	5,000 VA, Phase 1, Dry Type Distribution Transformers.....	2,301.44	
26 24 19 00-0389	EA	7,500 VA, Phase 1, Dry Type Distribution Transformers.....	2,593.34	
26 24 19 00-0390	EA	9,000 VA, Phase 3, Dry Type Distribution Transformers.....	6,028.66	
26 24 19 00-0391	EA	10,000 VA, Phase 1, Dry Type Distribution Transformers.....	3,199.57	
26 24 19 00-0392	EA	15,000 VA, Phase 1, Dry Type Distribution Transformers.....	4,432.62	
26 24 19 00-0393	EA	15,000 VA, Phase 3, Dry Type Distribution Transformers.....	6,908.08	
26 24 19 00-0394	EA	20,000 VA, Phase 1, Dry Type Distribution Transformers.....	6,397.27	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 24 19 00-0395	EA	30,000 VA, Phase 1, Dry Type Distribution Transformers.....		8,865.24	
26 24 19 00-0396	EA	30,000 VA, Phase 3, Dry Type Distribution Transformers.....		8,548.61	
26 24 19 00-0397	EA	45,000 VA, Phase 1, Dry Type Distribution Transformers.....		11,841.41	
<b>26 24 19 00-0398</b>		<b>Metering Equipment</b> <small>(26 24 19 00-0268)</small>			
26 24 19 00-0399	EA	Metering Equipment, Voltmeter, Panel Type.....		602.49	
26 24 19 00-0400	EA	Metering Equipment, Voltmeter, Switchboard Type.....		1,317.25	
26 24 19 00-0401	EA	Metering Equipment, Ammeter, Panel.....		542.62	
26 24 19 00-0402	EA	Metering Equipment, Ammeter, Switchboard Type.....		1,317.25	
26 24 19 00-0403	EA	Metering Equipment, Voltmeter/Ammeter, Switch.....		731.60	
26 24 19 00-0404	EA	Metering Equipment, Control Switch, 4 Circuits.....		776.50	
26 24 19 00-0405	EA	Add For Additional Circuits.....		91.65	
26 24 19 00-0406	EA	Metering Equipment, Indicating Wattmeter.....		2,716.83	
26 24 19 00-0407	EA	Metering Equipment, Indicating Power Factor.....		2,845.93	
26 24 19 00-0408	EA	Metering Equipment, Integrating Watt-hour.....		2,509.14	
26 24 19 00-0409	EA	Add For Demand Attachment.....		599.90	
26 24 19 00-0410	EA	800 Amperes, Metering Equipment, Current Transformer.....		750.31	
26 24 19 00-0411	EA	1,000 Amperes, Metering Equipment, Current Transformer.....		1,294.80	
26 24 19 00-0412	EA	2,000 Amperes, Metering Equipment, Current Transformer.....		1,508.10	
26 24 19 00-0413	EA	Metering Equipment, Potential Transformer.....		1,257.37	
26 24 19 00-0414	EA	Metering Equipment, Surge Arrester.....		1,352.80	
26 24 19 00-0415	EA	Metering Equipment, Ground Detector System.....		1,034.71	
<b>26 24 19 00-0416</b>		<b>Current Limiting Reactors</b> <small>(26 24 19 00-0268)</small>			
26 24 19 00-0417	EA	600 Amperes, Current Limiting Reactors.....		23,094.90	
26 24 19 00-0418	EA	800 Amperes, Current Limiting Reactors.....		33,632.90	
26 24 19 00-0419	EA	1,000 Amperes, Current Limiting Reactors.....		44,195.22	
26 24 19 00-0420	EA	1,200 Amperes, Current Limiting Reactors.....		67,273.28	
<b>26 24 19 00-0421</b>		<b>Incoming Line Cable Space Requirements, Main Lugs Only</b> <small>(26 24 19 00-0268)</small>			
26 24 19 00-0422	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Screw.....		480.70	
26 24 19 00-0423	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp.....		480.70	
26 24 19 00-0424	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Screw.....		664.57	
26 24 19 00-0425	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp.....		1,216.16	
26 24 19 00-0426	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Screw.....		664.57	
26 24 19 00-0427	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp.....		848.43	
26 24 19 00-0428	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Screw.....		848.43	
26 24 19 00-0429	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp.....		1,213.94	
26 24 19 00-0430	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Screw.....		848.43	
26 24 19 00-0431	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp.....		1,213.94	
26 24 19 00-0432	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Screw.....		1,032.29	
26 24 19 00-0433	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp.....		3,347.19	
26 24 19 00-0434	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw.....		1,032.29	
26 24 19 00-0435	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp.....		1,213.94	
26 24 19 00-0436	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw.....		3,347.19	
26 24 19 00-0437	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp.....		3,347.19	
26 24 19 00-0438	EA	Bus Duct Transition Pull Box.....		896.60	
26 24 19 00-0439	EA	Throat And Transition To Substation.....		1,730.88	
26 24 19 00-0440	EA	Service Entrance Label.....		374.85	
26 24 19 00-0441	EA	Type W To 5 Star - 10" Transition.....		783.53	
26 24 19 00-0442	EA	600 Amperes, Sub Feed Lugs On Main Bus.....		398.27	
<b>26 24 19 00-0443</b>		<b>Standard Structures And Structure Options/Modifications</b> <small>(26 24 19 00-0268)</small>			
26 24 19 00-0444	EA	Standard Structure Add For Each Additional 4" Of Structure Width.....		247.52	
26 24 19 00-0445	EA	Standard Structure Add For 8" Vertical Wireway In Lieu Of 4".....		247.52	
26 24 19 00-0446	EA	Standard Structure Single Corner Section "L", 16" Depth.....		765.72	
26 24 19 00-0447	EA	Standard Structure Single Corner Section "L", 21" Depth.....		863.66	
26 24 19 00-0448	EA	Standard Structure Unused Space/Future Space.....		73.90	
26 24 19 00-0449	EA	Standard Structure NEMA 12 Dustproof.....		199.44	
26 24 19 00-0450	EA	Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure.....		41.85	
26 24 19 00-0451	EA	Standard Structure 150 Watt Space.....		179.86	
26 24 19 00-0452	EA	Standard Structure Thermostat For Space Heater Control.....		484.92	
26 24 19 00-0453	EA	Standard Structure Rear Hinged Structure Door, 72" High.....		179.86	
26 24 19 00-0454	EA	Standard Structure NEMA 2 Drip Shield On Top Of MCC.....		313.28	
26 24 19 00-0455	EA	Standard Structure NEMA 3R N-Walk In Front Mounted.....		4,469.27	
26 24 19 00-0456	EA	Standard Structure NEMA 3R N-Walk In Back-to-back.....		5,165.83	
26 24 19 00-0457	EA	Standard Structure NEMA 3R Walk-in Aisle Front Mounted.....		5,170.83	
<b>26 24 19 00-0458</b>		<b>Installation Hours For Vertical Sections</b> <small>(26 24 19 00-0268)</small>			
26 24 19 00-0459	EA	Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes.....		527.57	263.79
26 24 19 00-0460	EA	Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes.....		791.35	395.70
26 24 19 00-0461	EA	Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes.....		879.31	439.66
26 24 19 00-0462	EA	Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes.....		1,055.27	527.59
26 24 19 00-0463	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes.....		87.93	43.97
26 24 19 00-0464	EA	Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes.....		527.57	263.79
26 24 19 00-0465	EA	Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes.....		791.35	395.70
26 24 19 00-0466	EA	Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes.....		879.31	439.66
26 24 19 00-0467	EA	Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes.....		1,055.27	527.59
26 24 19 00-0468	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes.....		87.93	43.97

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0469	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes.....	615.54	307.76
26 24 19 00-0470	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes.....	791.35	395.70
26 24 19 00-0471	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes.....	1,055.27	527.59
26 24 19 00-0472	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes.....	1,230.89	615.43
26 24 19 00-0473	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes .....	131.89	65.95
26 24 19 00-0474	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes.....	703.45	351.72
26 24 19 00-0475	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes.....	967.33	483.63
26 24 19 00-0476	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes.....	1,230.89	615.43
26 24 19 00-0477	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes.....	1,406.66	703.37
26 24 19 00-0478	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes .....	175.86	87.93
26 24 19 00-0479	EA	Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes.....	703.45	351.72
26 24 19 00-0480	EA	Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes.....	1,055.27	527.59
26 24 19 00-0481	EA	Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes.....	1,318.83	659.40
26 24 19 00-0482	EA	Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes.....	1,494.93	747.51
26 24 19 00-0483	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes .....	175.86	87.93
<b>26 24 19 00-0484 Motor Control Centers (26 24 19)</b>				
<b>26 24 19 00-0485 2.4 KV Motor Control Centers (26 24 19 00-0484)</b>				
26 24 19 00-0486	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp .....	15,328.84	175.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>105.52</i>	
26 24 19 00-0487	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp .....	15,328.84	175.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>105.52</i>	
26 24 19 00-0488	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp .....	15,328.84	175.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>105.52</i>	
26 24 19 00-0489	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp .....	15,372.84	197.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>118.72</i>	
26 24 19 00-0490	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp .....	16,323.65	219.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>131.90</i>	
26 24 19 00-0491	EA	2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp.....	16,367.60	241.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>145.08</i>	
26 24 19 00-0492	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp.....	16,411.56	263.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>158.27</i>	
26 24 19 00-0493	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp.....	16,499.53	307.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>184.66</i>	
26 24 19 00-0494	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp.....	16,587.44	351.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>211.04</i>	
26 24 19 00-0495	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp.....	27,979.17	395.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>237.41</i>	
26 24 19 00-0496	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp.....	30,027.44	439.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>263.79</i>	
26 24 19 00-0497	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp .....	22,763.35	175.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>105.52</i>	
26 24 19 00-0498	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp .....	23,713.10	189.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>113.43</i>	
26 24 19 00-0499	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp .....	26,941.55	206.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>123.98</i>	
26 24 19 00-0500	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp .....	29,990.85	219.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>131.90</i>	
26 24 19 00-0501	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp .....	32,626.11	255.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>153.01</i>	
26 24 19 00-0502	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp .....	35,748.28	272.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>163.55</i>	
26 24 19 00-0503	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp .....	38,868.62	290.18
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>174.10</i>	
26 24 19 00-0504	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp .....	42,569.06	316.55
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>189.94</i>	
26 24 19 00-0505	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp .....	49,540.77	351.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>211.04</i>	
26 24 19 00-0506	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp .....	53,675.79	373.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>224.24</i>	
26 24 19 00-0507	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp .....	82,003.09	439.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>263.79</i>	
26 24 19 00-0508	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp .....	87,367.45	483.63
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>290.20</i>	
26 24 19 00-0509	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp .....	92,035.55	527.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>316.58</i>	
26 24 19 00-0510	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp .....	100,217.65	571.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>342.99</i>	
26 24 19 00-0511	EA	2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp .....	21,475.41	175.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>105.52</i>	
26 24 19 00-0512	EA	2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp .....	21,519.41	197.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>118.72</i>	
26 24 19 00-0513	EA	2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp .....	21,563.35	219.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>131.90</i>	
26 24 19 00-0514	EA	2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp .....	21,607.30	241.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>145.08</i>	
26 24 19 00-0515	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp .....	21,654.93	263.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>158.27</i>	
26 24 19 00-0516	EA	2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP.....	21,698.94	285.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>171.47</i>	
26 24 19 00-0517	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp .....	21,742.90	307.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>184.66</i>	
26 24 19 00-0518	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp .....	21,918.71	395.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>237.41</i>	
26 24 19 00-0519	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp .....	37,401.50	439.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>263.79</i>	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0520	EA		2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp.....	37,489.52	483.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	290.20	
26 24 19 00-0521	EA		2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp.....	39,526.77	527.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	316.58	
26 24 19 00-0522	EA		Add For Reversing Starters, 100 To 700 HP.....	8,438.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.76	
26 24 19 00-0523	EA		Add For Reversing Starters, 1,000 To 1,500 Hp.....	8,694.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.76	
26 24 19 00-0524	EA		Add For Reversing Starters, 1,750 To 2,500 HP.....	13,320.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.76	
<b>26 24 19 00-0525</b>			<b>4.8 KV Motor Control Centers (26 24 19 00-0484)</b>		
26 24 19 00-0526	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP.....	16,668.05	263.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.27	
26 24 19 00-0527	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP.....	16,712.06	285.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.47	
26 24 19 00-0528	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP.....	16,756.02	307.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.66	
26 24 19 00-0529	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP.....	16,800.00	329.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	197.86	
26 24 19 00-0530	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP.....	17,741.64	351.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	211.04	
26 24 19 00-0531	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP.....	17,785.66	373.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	224.24	
26 24 19 00-0532	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP.....	17,829.54	395.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	237.41	
26 24 19 00-0533	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP.....	17,873.58	417.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	250.62	
26 24 19 00-0534	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP.....	17,917.50	439.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	263.79	
26 24 19 00-0535	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP.....	30,392.21	571.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	342.99	
26 24 19 00-0536	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP.....	30,479.79	615.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	369.27	
26 24 19 00-0537	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP.....	32,518.87	659.40
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	395.65	
26 24 19 00-0538	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP.....	32,606.70	703.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	422.00	
26 24 19 00-0539	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP.....	23,199.36	263.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.27	
26 24 19 00-0540	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP.....	23,499.86	285.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.47	
26 24 19 00-0541	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP.....	27,409.47	307.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.66	
26 24 19 00-0542	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP.....	30,467.20	329.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	197.86	
26 24 19 00-0543	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP.....	33,076.01	351.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	211.04	
26 24 19 00-0544	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP.....	36,207.06	373.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	224.24	
26 24 19 00-0545	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP.....	39,145.60	395.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	237.41	
26 24 19 00-0546	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP.....	43,027.82	417.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	250.62	
26 24 19 00-0547	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP.....	49,850.37	439.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	263.79	
26 24 19 00-0548	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP.....	54,485.51	461.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	276.99	
26 24 19 00-0549	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP.....	59,164.61	505.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	303.38	
26 24 19 00-0550	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP.....	63,035.81	527.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	316.58	
26 24 19 00-0551	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP.....	66,687.03	549.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	329.75	
26 24 19 00-0552	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP.....	71,796.84	571.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	342.99	
26 24 19 00-0553	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP.....	113,849.56	703.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	422.00	
26 24 19 00-0554	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP.....	126,615.71	747.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	448.48	
26 24 19 00-0555	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP.....	152,214.97	791.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	474.81	
26 24 19 00-0556	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP.....	161,018.04	791.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	474.81	
26 24 19 00-0557	EA		4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP.....	22,898.93	307.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.66	
26 24 19 00-0558	EA		4.8 KV CL 14-202, Synchronous Motor Control, 700 HP.....	22,942.91	329.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	197.86	
26 24 19 00-0559	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP.....	22,986.84	351.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	211.04	
26 24 19 00-0560	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP.....	23,030.86	373.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	224.24	
26 24 19 00-0561	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP.....	25,005.73	395.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	237.41	
26 24 19 00-0562	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP.....	25,049.77	417.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	250.62	
26 24 19 00-0563	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP.....	25,093.69	439.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	263.79	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0564 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,137.68 276.99	461.64
26 24 19 00-0565 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,181.71 290.20	483.63
26 24 19 00-0566 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,445.27 369.27	615.43
26 24 19 00-0567 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41,184.53 395.65	659.40
26 24 19 00-0568 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,214.35 422.00	703.37
26 24 19 00-0569 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,214.35 422.00	703.37
26 24 19 00-0570 EA Add For Reversing Starters, 100 To 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,166.49 52.76	
26 24 19 00-0571 EA Add For Reversing Starters, 1,500 To 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,476.62 52.76	
26 24 19 00-0572 EA Add For Reversing Starters, 3,000 To 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,070.05 52.76	
<b>26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories (26 24 19 00-0484)</b>		
26 24 19 00-0574 EA 2.4/4.8 KV Load Break Disconnect Switch 600 Amperes .....	13,199.98	175.86
26 24 19 00-0575 EA 2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes.....	15,836.94	263.79
26 24 19 00-0576 EA 2.4/4.8 KV NEMA 3 Weather Resistant.....	5,230.13	
26 24 19 00-0577 EA 2.4/4.8 KV Space Heaters.....	222.12	13.19
26 24 19 00-0578 EA 2.4/4.8 KV Potential Transformer Fused .....	1,515.21	
26 24 19 00-0579 EA 2.4/4.8 KV Current Transformer 600 Volt, 5 KVA.....	812.98	
26 24 19 00-0580 EA 2.4/4.8 KV Control Transformer 4 KVA Max .....	2,421.23	
26 24 19 00-0581 EA 2.4/4.8 KV Pushbuttons Each .....	155.06	
26 24 19 00-0582 EA 2.4/4.8 KV Selector Switch Each .....	513.93	
26 24 19 00-0583 EA 2.4/4.8 KV Indicating Light .....	155.06	
26 24 19 00-0584 EA 2.4/4.8 KV Push To Test Light .....	469.63	
26 24 19 00-0585 EA 2.4/4.8 KV AC Voltmeter, Switchboard Type .....	1,249.38	
26 24 19 00-0586 EA 2.4/4.8 KV AC Ammeter, Switchboard Type .....	1,249.38	
26 24 19 00-0587 EA 2.4/4.8 KV Power Factor Meter.....	3,737.07	
26 24 19 00-0588 EA 2.4/4.8 KV Watt Hr Meter, 2 Element Drawout.....	2,576.30	
26 24 19 00-0589 EA 2.4/4.8 KV Operation Counter.....	496.01	13.19
26 24 19 00-0590 EA 2.4/4.8 KV Phase Failure Protection .....	3,592.40	43.97
26 24 19 00-0591 EA 2.4/4.8 KV Ground Protection .....	6,893.42	21.98
26 24 19 00-0592 EA 2.4/4.8 KV Synchronous Motor DC Protection.....	2,542.90	21.98
26 24 19 00-0593 EA 2.4/4.8 KV Lightning Arresters .....	3,680.79	13.19
26 24 19 00-0594 EA 2.4/4.8 KV Portable Lifting Mechanism .....	5,326.84	
26 24 19 00-0595 EA 2.4/4.8 KV Auxiliary Timing Relay.....	557.43	43.97
26 24 19 00-0596 EA 2.4/4.8 KV Auxiliary Control Relay.....	398.41	43.97
<b>26 24 19 00-0597 Incoming Section And Feeder Air Circuit Breakers (26 24 19 00-0484)</b>		
Note: 3 Pole. Includes structure.		
26 24 19 00-0598 EA Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included .....	1,086.71	263.75
26 24 19 00-0599 EA Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included .....	1,882.51	466.87
26 24 19 00-0600 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included .....	2,233.58	597.78
26 24 19 00-0601 EA Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included .....	3,596.82	962.61
26 24 19 00-0602 EA Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included .....	4,247.91	1,058.87
26 24 19 00-0603 EA Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included .....	5,557.30	1,174.39
26 24 19 00-0604 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included .....	6,463.68	1,376.53
26 24 19 00-0605 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included .....	11,494.21	1,603.71
<b>26 24 19 00-0606 Main Lugs Only (26 24 19 00-0484)</b>		
26 24 19 00-0607 EA 600 Amperes Incoming Section, Main Lugs.....	820.41	336.92
26 24 19 00-0608 EA 800 Amperes Incoming Section, Main Lugs.....	888.56	336.92
26 24 19 00-0609 EA 1,200 Amperes Incoming Section, Main Lugs.....	1,234.17	529.43
26 24 19 00-0610 EA 2,000 Amperes Incoming Section, Main Lugs.....	3,163.91	962.61
26 24 19 00-0611 EA 3,000 Amperes Incoming Section, Main Lugs.....	4,831.53	1,395.78
26 24 19 00-0612 EA 4,000 Amperes Incoming Section, Main Lugs.....	6,934.39	1,925.22
<b>26 24 19 00-0613 Incoming Main Circuit Breaker Structure (26 24 19 00-0484)</b>		
Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0614 EA 225 Amperes, Main Circuit Breaker Section .....	6,168.52	465.81
<i>For NEMA 1 With Gaskets, Add</i>		97.00
<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>		182.00
<i>For 20" Cabinet Depth, Add</i>		108.00
<i>For NEMA 12, Add</i>		245.00
<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>		334.00

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0615	EA		400 Amperes, Main Circuit Breaker Section .....	13,239.64	598.36
			<i>For NEMA 1 With Gaskets, Add</i> .....	97.00	
			<i>For 800 Amperes, Tin Plated Copper Bus, Add</i> .....	182.00	
			<i>For 20" Cabinet Depth, Add</i> .....	108.00	
			<i>For NEMA 12, Add</i> .....	245.00	
			<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> .....	334.00	
26 24 19 00-0616	EA		600 Amperes, Main Circuit Breaker Section .....	13,631.08	932.00
			<i>For NEMA 1 With Gaskets, Add</i> .....	97.00	
			<i>For 800 Amperes, Tin Plated Copper Bus, Add</i> .....	182.00	
			<i>For 20" Cabinet Depth, Add</i> .....	108.00	
			<i>For NEMA 12, Add</i> .....	245.00	
			<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> .....	334.00	
26 24 19 00-0617	EA		800 Amperes, Main Circuit Breaker Section .....	19,513.72	932.00
			<i>For NEMA 1 With Gaskets, Add</i> .....	97.00	
			<i>For 800 Amperes, Tin Plated Copper Bus, Add</i> .....	182.00	
			<i>For 20" Cabinet Depth, Add</i> .....	108.00	
			<i>For NEMA 12, Add</i> .....	245.00	
			<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> .....	334.00	
26 24 19 00-0618	EA		1,200 Amperes, Main Circuit Breaker Section .....	28,353.45	1,054.54
			<i>For NEMA 1 With Gaskets, Add</i> .....	97.00	
			<i>For 800 Amperes, Tin Plated Copper Bus, Add</i> .....	182.00	
			<i>For 20" Cabinet Depth, Add</i> .....	108.00	
			<i>For NEMA 12, Add</i> .....	245.00	
			<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> .....	334.00	
26 24 19 00-0619			<b>Incoming Fusible Main Disconnect Section</b> <small>(26 24 19 00-0484)</small>		
			Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0620	EA		200 Amperes, Fusible Main Disconnect Section .....	5,333.16	466.39
			<i>For NEMA 1 With Gaskets, Add</i> .....	97.00	
			<i>For 800 Amperes, Tin Plated Copper Bus, Add</i> .....	182.00	
			<i>For 20" Cabinet Depth, Add</i> .....	108.00	
			<i>For NEMA 12, Add</i> .....	245.00	
			<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> .....	334.00	
26 24 19 00-0621	EA		400 Amperes, Fusible Main Disconnect Section .....	7,380.48	598.65
			<i>For NEMA 1 With Gaskets, Add</i> .....	97.00	
			<i>For 800 Amperes, Tin Plated Copper Bus, Add</i> .....	182.00	
			<i>For 20" Cabinet Depth, Add</i> .....	108.00	
			<i>For NEMA 12, Add</i> .....	245.00	
			<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> .....	334.00	
26 24 19 00-0622	EA		600 Amperes, Fusible Main Disconnect Section .....	14,506.76	932.77
			<i>For NEMA 1 With Gaskets, Add</i> .....	97.00	
			<i>For 800 Amperes, Tin Plated Copper Bus, Add</i> .....	182.00	
			<i>For 20" Cabinet Depth, Add</i> .....	108.00	
			<i>For NEMA 12, Add</i> .....	245.00	
			<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> .....	334.00	
26 24 19 00-0623	EA		800 Amperes, Fusible Main Disconnect Section .....	16,919.93	932.77
			<i>For NEMA 1 With Gaskets, Add</i> .....	97.00	
			<i>For 800 Amperes, Tin Plated Copper Bus, Add</i> .....	182.00	
			<i>For 20" Cabinet Depth, Add</i> .....	108.00	
			<i>For NEMA 12, Add</i> .....	245.00	
			<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> .....	334.00	
26 24 19 00-0624	EA		1,200 Amperes, Fusible Main Disconnect Section .....	23,925.71	1,055.50
			<i>For NEMA 1 With Gaskets, Add</i> .....	97.00	
			<i>For 800 Amperes, Tin Plated Copper Bus, Add</i> .....	182.00	
			<i>For 20" Cabinet Depth, Add</i> .....	108.00	
			<i>For NEMA 12, Add</i> .....	245.00	
			<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> .....	334.00	
26 24 19 00-0625			<b>Circuit Breaker Combination Starters</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0626			<b>Class I, Type A</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0627	EA		Size 1, Class I, Type A Circuit Breaker Combination Starter .....	918.27	195.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	111.41	
26 24 19 00-0628	EA		Size 2, Class I, Type A Circuit Breaker Combination Starter .....	1,071.55	195.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	123.41	
26 24 19 00-0629	EA		Size 3, Class I, Type A Circuit Breaker Combination Starter .....	1,562.67	277.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	165.97	
26 24 19 00-0630	EA		Size 4, Class I, Type A Circuit Breaker Combination Starter .....	2,572.51	364.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	218.78	
26 24 19 00-0631	EA		Size 5, Class I, Type A Circuit Breaker Combination Starter .....	4,672.79	456.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	273.47	
26 24 19 00-0632			<b>Class I, Type B</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0633	EA		Size 1, Class I, Type B Circuit Breaker Combination Starter .....	874.05	170.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	96.26	
26 24 19 00-0634	EA		Size 2, Class I, Type B Circuit Breaker Combination Starter .....	1,021.52	170.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	108.40	
26 24 19 00-0635	EA		Size 3, Class I, Type B Circuit Breaker Combination Starter .....	1,503.09	246.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	148.09	
26 24 19 00-0636	EA		Size 4, Class I, Type B Circuit Breaker Combination Starter .....	2,511.74	334.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	200.54	
26 24 19 00-0637	EA		Size 5, Class I, Type B Circuit Breaker Combination Starter .....	4,623.77	426.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	258.77	



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 24 19 00-0638 Class I, Type C</b> <small>(26 24 19 00-0625)</small>				
26 24 19 00-0639	EA	Size 1, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	928.54 87.19	157.87
26 24 19 00-0640	EA	Size 2, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,084.31 102.41	157.87
26 24 19 00-0641	EA	Size 3, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,616.58 141.56	235.84
26 24 19 00-0642	EA	Size 4, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,630.71 195.65	326.33
26 24 19 00-0643	EA	Size 5, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,736.12 250.68	418.74
<b>26 24 19 00-0644 Class II, Type B</b> <small>(26 24 19 00-0625)</small>				
26 24 19 00-0645	EA	Size 1, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	909.97 132.23	233.91
26 24 19 00-0646	EA	Size 2, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,273.45 147.64	233.91
26 24 19 00-0647	EA	Size 3, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,815.01 186.55	311.89
26 24 19 00-0648	EA	Size 4, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,992.68 240.65	399.48
26 24 19 00-0649	EA	Size 5, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,462.25 293.48	488.05
<b>26 24 19 00-0650 Class II, Type C</b> <small>(26 24 19 00-0625)</small>				
26 24 19 00-0651	EA	Size 1, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,153.04 126.66	221.40
26 24 19 00-0652	EA	Size 2, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,327.13 138.31	221.40
26 24 19 00-0653	EA	Size 3, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,933.60 180.94	302.26
26 24 19 00-0654	EA	Size 4, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,104.59 233.64	389.86
26 24 19 00-0655	EA	Size 5, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,587.75 289.94	481.31
<b>26 24 19 00-0656 Fused Disconnect Combination Starter</b> <small>(26 24 19 00-0484)</small>				
<b>26 24 19 00-0657 Class I, Type A</b> <small>(26 24 19 00-0656)</small>				
26 24 19 00-0658	EA	Size 1, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	835.32 108.40	180.01
26 24 19 00-0659	EA	Size 2, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,265.37 147.64	246.43
26 24 19 00-0660	EA	Size 3, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,026.71 192.52	320.55
26 24 19 00-0661	EA	Size 4, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,769.89 270.40	449.54
26 24 19 00-0662	EA	Size 5, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,900.48 343.79	572.75
<b>26 24 19 00-0663 Class I, Type B</b> <small>(26 24 19 00-0656)</small>				
26 24 19 00-0664	EA	Size 1, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	855.88 96.26	160.76
26 24 19 00-0665	EA	Size 2, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,151.73 132.23	220.43
26 24 19 00-0666	EA	Size 3, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,710.98 176.95	294.56
26 24 19 00-0667	EA	Size 4, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,876.90 256.01	425.47
26 24 19 00-0668	EA	Size 5, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,994.34 325.21	540.99
<b>26 24 19 00-0669 Class I, Type C</b> <small>(26 24 19 00-0656)</small>				
26 24 19 00-0670	EA	Size 1, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	910.15 90.13	150.17
26 24 19 00-0671	EA	Size 2, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,222.60 123.41	204.08
26 24 19 00-0672	EA	Size 3, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,867.30 171.89	283.97
26 24 19 00-0673	EA	Size 4, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,032.32 250.68	418.74
26 24 19 00-0674	EA	Size 5, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,719.75 320.87	535.21
<b>26 24 19 00-0675 Class II, Type B</b> <small>(26 24 19 00-0656)</small>				
26 24 19 00-0676	EA	Size 1, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,074.50 135.20	225.25
26 24 19 00-0677	EA	Size 2, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,390.43 168.29	281.08

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0678	EA Size 3, Class II, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,026.13 216.80	361.94
26 24 19 00-0679	EA Size 4, Class II, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,320.81 293.48	488.05
26 24 19 00-0680	EA Size 5, Class II, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,745.55 364.62	609.34
<b>26 24 19 00-0681</b>	<b>Class II, Type C</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0682	EA Size 1, Class II, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,120.74 126.66	211.77
26 24 19 00-0683	EA Size 2, Class II, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,460.96 159.37	265.68
26 24 19 00-0684	EA Size 3, Class II, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,159.05 207.46	345.58
26 24 19 00-0685	EA Size 4, Class II, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,461.59 286.49	476.50
26 24 19 00-0686	EA Size 5, Class II, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,883.01 353.90	590.08
<b>26 24 19 00-0687</b>	<b>Space Complete With Bus And Hardware</b> <small>(26 24 19 00-0484)</small>		
<b>26 24 19 00-0688</b>	<b>Circuit Breaker Type</b> <small>(26 24 19 00-0687)</small>		
26 24 19 00-0689	EA Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware .....	255.60	65.46
26 24 19 00-0690	EA Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware .....	255.60	65.46
26 24 19 00-0691	EA Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware .....	380.32	95.30
26 24 19 00-0692	EA Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware .....	447.93	125.14
26 24 19 00-0693	EA Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware .....	757.72	190.60
<b>26 24 19 00-0694</b>	<b>Fused Disconnect Type</b> <small>(26 24 19 00-0687)</small>		
26 24 19 00-0695	EA Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware .....	255.60	65.46
26 24 19 00-0696	EA Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware .....	336.39	95.30
26 24 19 00-0697	EA Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware .....	469.43	125.14
26 24 19 00-0698	EA Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware .....	817.70	190.60
26 24 19 00-0699	EA Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware .....	1,136.57	277.23
<b>26 24 19 00-0700</b>	<b>Blank Space For Future Expansion</b> <small>(26 24 19 00-0687)</small>		
Note: Factory modified no labor costs.			
26 24 19 00-0701	EA Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs .....	125.17	
26 24 19 00-0702	EA Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs .....	125.17	
26 24 19 00-0703	EA Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs .....	189.78	
26 24 19 00-0704	EA Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs .....	189.78	
26 24 19 00-0705	EA Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs .....	377.54	
<b>26 24 19 00-0706</b>	<b>Structure Combination Of Starters To 72" High</b> <small>(26 24 19 00-0687)</small>		
26 24 19 00-0707	EA Structure Combination Of Starters To 72" High .....	3,048.10	506.62
<b>26 24 19 00-0708</b>	<b>Motor Control Center Basic Distribution Section</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0709	EA 20" Wide Basic Section With Vertical Wireway ..... <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For NEMA 12, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For 20" Cabinet Depth, Add</i>	4,973.09 210.00 245.00 182.00 97.00 402.00 334.00 506.00 108.00	1,319.35
26 24 19 00-0710	EA 25"-35" Wide Basic Section (No Vertical Wireway) ..... <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For NEMA 12, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For 20" Cabinet Depth, Add</i>	4,973.09 210.00 245.00 182.00 97.00 402.00 334.00 506.00 108.00	1,319.35
26 24 19 00-0711	EA 25" Wide Basic Section With 9" Wide Vertical Wireway ..... <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For NEMA 12, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For 20" Cabinet Depth, Add</i>	5,523.15 210.00 245.00 182.00 97.00 402.00 334.00 506.00 108.00	1,319.35

	MINOR CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0712	EA	Corner Section ..... <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For NEMA 12, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For 20" Cabinet Depth, Add</i>	5,523.15 210.00 245.00 182.00 97.00 402.00 334.00 506.00 108.00	1,319.35
26 24 19 00-0713		<b>Motor Control Center Starters With HMCP Circuit Breaker</b> <small>(26 24 19 00-0484)</small> Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714		<b>FVNR Starters With HMCP Circuit Breaker</b> <small>(26 24 19 00-0713)</small>		
26 24 19 00-0715	EA	Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,327.69 111.17	185.31
26 24 19 00-0716	EA	Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,477.95 123.31	205.52
26 24 19 00-0717	EA	Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,581.31 165.78	276.27
26 24 19 00-0718	EA	Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,752.74 218.58	364.25
26 24 19 00-0719	EA	Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,644.05 273.16	455.22
26 24 19 00-0720	EA	Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,362.20 273.16	455.22
26 24 19 00-0721	EA	Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,346.81 96.16	160.28
26 24 19 00-0722	EA	Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,519.03 108.29	180.49
26 24 19 00-0723	EA	Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,647.74 147.85	246.43
26 24 19 00-0724	EA	Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,762.36 200.43	334.03
26 24 19 00-0725	EA	Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,666.18 258.77	431.25
26 24 19 00-0726	EA	Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,510.42 258.77	431.25
26 24 19 00-0727		<b>Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker</b> <small>(26 24 19 00-0713)</small>		
26 24 19 00-0728	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,141.89 139.10	231.90
26 24 19 00-0729	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,634.37 153.94	256.53
26 24 19 00-0730	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,360.03 206.87	344.81
26 24 19 00-0731	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,533.30 273.47	455.80
26 24 19 00-0732	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,664.75 342.16	570.25
26 24 19 00-0733	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,183.79 120.13	200.23
26 24 19 00-0734	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,698.94 135.45	225.73
26 24 19 00-0735	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,448.77 185.12	308.52
26 24 19 00-0736	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,562.48 250.68	417.77
26 24 19 00-0737	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,708.53 323.75	539.54
26 24 19 00-0738		<b>Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker</b> <small>(26 24 19 00-0713)</small>		
26 24 19 00-0739	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,352.20 139.10	231.90
26 24 19 00-0740	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,364.82 153.94	256.53
26 24 19 00-0741	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,383.14 206.87	344.81
26 24 19 00-0742	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,695.57 273.47	455.80
26 24 19 00-0743	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,513.29 342.16	570.25
26 24 19 00-0744	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,394.09 120.13	200.23
26 24 19 00-0745	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,429.39 135.45	225.73
26 24 19 00-0746	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,471.88 185.12	308.52
26 24 19 00-0747	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,724.75 250.68	417.77
26 24 19 00-0748	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,557.07 323.75	539.54

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 24 19 00-0749		<b>Motor Control Center Starters With Fusible Disconnect</b> <small>(26 24 19 00-0484)</small>			
		Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.			
26 24 19 00-0750		<b>FVNR Starters With Fusible Disconnect</b> <small>(26 24 19 00-0749)</small>			
26 24 19 00-0751	EA	Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect .....	1,063.75		180.68
26 24 19 00-0752	EA	Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect .....	1,384.21		245.56
26 24 19 00-0753	EA	Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect .....	2,329.46		319.97
26 24 19 00-0754	EA	Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect .....	3,949.31		450.69
26 24 19 00-0755	EA	Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect .....	8,014.45		572.94
26 24 19 00-0756	EA	Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect .....	20,526.05		572.94
26 24 19 00-0757	EA	Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect .....	1,091.08		160.18
26 24 19 00-0758	EA	Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect .....	1,424.17		219.95
26 24 19 00-0759	EA	Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect .....	2,405.44		294.94
26 24 19 00-0760	EA	Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect .....	3,971.47		426.73
26 24 19 00-0761	EA	Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect .....	8,022.60		542.05
26 24 19 00-0762	EA	Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect .....	20,660.38		542.05
26 24 19 00-0763		<b>Two Speed 2-Winding (TS2W) With Fusible Disconnect</b> <small>(26 24 19 00-0749)</small>			
26 24 19 00-0764	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect .....	1,852.98		226.21
26 24 19 00-0765	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect .....	2,583.74		306.97
26 24 19 00-0766	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect .....	4,018.54		399.77
26 24 19 00-0767	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect .....	8,489.01		564.95
26 24 19 00-0768	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect .....	13,873.13		661.12
26 24 19 00-0769	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect .....	1,905.25		200.23
26 24 19 00-0770	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect .....	2,645.46		274.72
26 24 19 00-0771	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect .....	4,118.45		369.07
26 24 19 00-0772	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect .....	8,529.17		532.42
26 24 19 00-0773	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect .....	13,902.91		623.49
26 24 19 00-0774		<b>Two Speed 1-Winding (TS1W) With Fusible Disconnect</b> <small>(26 24 19 00-0749)</small>			
26 24 19 00-0775	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect .....	2,169.83		226.21
26 24 19 00-0776	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect .....	3,325.41		306.97
26 24 19 00-0777	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect .....	6,062.68		399.77
26 24 19 00-0778	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect .....	8,915.22		564.95
26 24 19 00-0779	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect .....	16,939.34		661.12
26 24 19 00-0780	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect .....	2,223.04		200.23
26 24 19 00-0781	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect .....	3,387.12		274.72
26 24 19 00-0782	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect .....	6,162.59		369.07
26 24 19 00-0783	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect .....	8,955.38		532.42
26 24 19 00-0784	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect .....	16,969.12		623.49
26 24 19 00-0785		<b>Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit</b> <small>(26 24 19 00-0484)</small>			
		Note: Per section. Labor is included in basic distribution section.			
26 24 19 00-0786	EA	600 Amperes, Horizontal Tin Plated Copper Bus Kit.....	237.23		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.24		
26 24 19 00-0787	EA	800 Amperes, Horizontal Tin Plated Copper Bus Kit.....	291.44		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.24		
26 24 19 00-0788	EA	1,200 Amperes, Horizontal Tin Plated Copper Bus Kit.....	350.47		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.68		
26 24 19 00-0789	EA	1,600 Amperes, Horizontal Tin Plated Copper Bus Kit.....	457.02		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.68		
26 24 19 00-0790	EA	2,000 Amperes, Horizontal Tin Plated Copper Bus Kit.....	768.42		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.13		
26 24 19 00-0791	EA	1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit.....	135.19		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79		
26 24 19 00-0792		<b>Disconnect Switch For Motor Control Centers</b> <small>(26 24 19 00-0484)</small>			
26 24 19 00-0793		<b>3 Pole Circuit Breaker Disconnect For Motor Control Center</b> <small>(26 24 19 00-0792)</small>			
		Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).			
26 24 19 00-0794	EA	150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect .....	654.87		139.10
26 24 19 00-0795	EA	150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect .....	1,102.38		154.02
26 24 19 00-0796	EA	225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect .....	1,354.42		207.45
26 24 19 00-0797	EA	400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect .....	2,212.81		273.38
26 24 19 00-0798	EA	600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect .....	3,759.30		341.73
26 24 19 00-0799	EA	800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect .....	4,264.93		341.73
26 24 19 00-0800	EA	1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect .....	8,651.58		427.88
26 24 19 00-0801		<b>Fusible Disconnect Switch For Motor Control Center</b> <small>(26 24 19 00-0792)</small>			
		Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).			
26 24 19 00-0802	EA	30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips .....	733.15		135.25
26 24 19 00-0803	EA	60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips .....	859.42		184.34
26 24 19 00-0804	EA	100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips .....	1,181.10		235.84
26 24 19 00-0805	EA	200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips .....	2,222.22		337.88
26 24 19 00-0806	EA	400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips .....	3,981.76		429.71
26 24 19 00-0807	EA	600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips .....	9,253.35		429.71
26 24 19 00-0808	EA	800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips .....	11,438.05		537.14
26 24 19 00-0809	EA	1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips .....	16,956.39		537.14

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 24 19 00-0810</b>	<b>Control Circuit Transformer</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0811	EA Control Circuit Transformer, Size 1 Factory Installed.....	66.78	
26 24 19 00-0812	EA Control Circuit Transformer, Size 2 Factory Installed.....	66.78	
26 24 19 00-0813	EA Control Circuit Transformer, Size 3 Factory Installed.....	128.61	
26 24 19 00-0814	EA Control Circuit Transformer, Size 4 Factory Installed.....	128.61	
26 24 19 00-0815	EA Control Circuit Transformer, Size 5 Factory Installed.....	178.67	
26 24 19 00-0816	EA Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay.....	47.02	10.90
<b>26 24 19 00-0817</b>	<b>Cover Mounted Control Devices</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0818	EA Control Device, 2 Unit Push Button Station Cover Mounted.....	106.89	19.25
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.03	
26 24 19 00-0819	EA Control Device, 2-3 Unit Selector Switch Cover Mounted.....	119.39	19.25
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.04	
26 24 19 00-0820	EA Control Device, Pilot Light Cover Mounted.....	101.77	19.25
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.01	
26 24 19 00-0821	EA Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light.....	270.01	65.46
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.45	
26 24 19 00-0822	EA Auxiliary Contact Add Per Starter.....	337.35	24.93
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.96	
<b>26 24 19 00-0823</b>	<b>Extra Interlocks</b> <small>(26 24 19 00-0484)</small>		
	Note: Per contact.		
26 24 19 00-0824	EA Extra Interlocks, Class I, Type A Per Contact.....	69.13	12.51
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.01	
26 24 19 00-0825	EA Extra Interlocks, Class I, Type B Per Contact.....	97.05	12.51
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.01	
26 24 19 00-0826	EA Extra Interlocks, Class I, Type C Per Contact.....	108.82	12.51
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.52	
26 24 19 00-0827	EA Extra Interlocks, Class II, Type B Per Contact.....	98.22	12.51
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.02	
26 24 19 00-0828	EA Extra Interlocks, Class II, Type C Per Contact.....	104.47	12.51
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.54	
<b>26 24 19 00-0829</b>	<b>Special Cabinet Provisions</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0830	EA Provisions For Bus Duct Entrance Special Cabinet Provisions.....	835.97	
<b>26 24 19 00-0831</b>	<b>Nameplate Requirements</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0832	EA Special Cabinet Nameplate Requirements.....	29.68	
<b>26 24 19 00-0833</b>	<b>Auxiliary Relays</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0834	EA Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts.....	158.15	24.12
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.47	
26 24 19 00-0835	EA Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay.....	149.22	21.70
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.47	
26 24 19 00-0836	EA General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base.....	82.58	21.70
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.47	
<b>26 24 19 00-0837</b>	<b>Motor Control Center Accessories</b> <small>(26 24 19 00-0484)</small>		
<b>26 24 19 00-0838</b>	<b>Lighting Transformer With Circuit Breaker</b> <small>(26 24 19 00-0837)</small>		
	Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839	EA 1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,779.59	310.70
26 24 19 00-0840	EA 1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,969.34	323.12
26 24 19 00-0841	EA 1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,438.13	347.98
26 24 19 00-0842	EA 1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,848.72	372.83
26 24 19 00-0843	EA 1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,228.59	397.68
26 24 19 00-0844	EA 1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	11,344.42	447.39
26 24 19 00-0845	EA 1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	14,923.62	497.11
26 24 19 00-0846	EA 3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,693.51	410.11
26 24 19 00-0847	EA 3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,444.71	447.39
26 24 19 00-0848	EA 3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,804.91	497.11
26 24 19 00-0849	EA 3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	11,459.11	546.82
26 24 19 00-0850	EA 3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	13,837.72	596.53
26 24 19 00-0851	EA 3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	14,272.08	646.24
<b>26 24 19 00-0852</b>	<b>Bolt-On Lighting Panel</b> <small>(26 24 19 00-0837)</small>		
	Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853	EA 18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	1,908.76	500.94
26 24 19 00-0854	EA 30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,949.59	871.94
26 24 19 00-0855	EA 42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	3,913.73	1,179.68
26 24 19 00-0856	EA 18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	1,990.89	542.05
26 24 19 00-0857	EA 30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,912.49	853.36
26 24 19 00-0858	EA 42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	4,061.19	1,253.42
26 24 19 00-0859	EA 18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	3,298.65	581.03
26 24 19 00-0860	EA 30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	4,345.68	932.77

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0861	EA		42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	5,404.32	1,253.42
26 24 19 00-0862	EA		18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	3,390.04	626.66
26 24 19 00-0863	EA		30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	4,345.68	932.77
26 24 19 00-0864	EA		42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	5,485.18	1,293.84
<b>26 24 19 00-0865</b>			<b>Factory Installed Bolt-On Branch Circuit Breaker</b> <small>(26 24 19 00-0837)</small>		
			Note: For MCC lighting panel only.		
26 24 19 00-0866	EA		15 To 30 Amperes, 1 Pole, Bolt-On Branch Circuit Breaker .....	15.11	
26 24 19 00-0867	EA		15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker .....	257.63	
26 24 19 00-0868	EA		15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker .....	29.53	
26 24 19 00-0869	EA		60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker .....	67.99	
26 24 19 00-0870	EA		15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker .....	79.66	
26 24 19 00-0871	EA		60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker .....	120.86	
<b>26 24 19 00-0872</b>			<b>Blank Unit Door (BUD)</b> <small>(26 24 19 00-0837)</small>		
			Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0873	EA		6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....	68.70	
26 24 19 00-0874	EA		12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....	82.44	
26 24 19 00-0875	EA		18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....	123.66	
26 24 19 00-0876	EA		24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....	164.89	
26 24 19 00-0877	EA		30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....	247.33	
26 24 19 00-0878	EA		48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....	288.55	
26 24 19 00-0879	EA		72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....	329.77	
<b>26 25 Enclosed Bus Assemblies</b> <small>(26 20)</small>					
<b>26 25 13 Low-Voltage Busways</b> <small>(26 25)</small>					
<b>26 25 13 00-0001</b>			<b>Plug-In Bus Duct</b> <small>(26 25 13)</small>		
			Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
<b>26 25 13 00-0002</b>			<b>600 Volt, 3-Phase, 3-Wire, Copper Conductors</b> <small>(26 25 13 00-0001)</small>		
26 25 13 00-0003	LF		225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	483.03	28.88
			For Up To 25, Add	120.76	
			For >25 To 50, Add	72.45	
			For >50 To 100, Add	36.23	
26 25 13 00-0004	LF		400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	706.26	28.88
			For Up To 25, Add	176.57	
			For >25 To 50, Add	105.94	
			For >50 To 100, Add	52.97	
26 25 13 00-0005	LF		600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	904.01	38.51
			For Up To 25, Add	226.00	
			For >25 To 50, Add	135.60	
			For >50 To 100, Add	67.80	
26 25 13 00-0006	LF		800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,275.81	38.51
			For Up To 25, Add	318.95	
			For >25 To 50, Add	191.37	
			For >50 To 100, Add	95.69	
26 25 13 00-0007	LF		1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,344.14	48.13
			For Up To 25, Add	336.04	
			For >25 To 50, Add	201.62	
			For >50 To 100, Add	100.81	
26 25 13 00-0008	LF		1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,905.64	48.13
			For Up To 25, Add	476.41	
			For >25 To 50, Add	285.85	
			For >50 To 100, Add	142.92	
26 25 13 00-0009	LF		1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,246.63	50.54
			For Up To 25, Add	561.66	
			For >25 To 50, Add	336.99	
			For >50 To 100, Add	168.50	
26 25 13 00-0010	LF		2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,760.03	51.98
			For Up To 25, Add	690.01	
			For >25 To 50, Add	414.00	
			For >50 To 100, Add	207.00	
26 25 13 00-0011	LF		2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	3,430.16	54.87
			For Up To 25, Add	857.54	
			For >25 To 50, Add	514.52	
			For >50 To 100, Add	257.26	
26 25 13 00-0012	LF		3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	3,958.98	64.02
			For Up To 25, Add	989.75	
			For >25 To 50, Add	593.85	
			For >50 To 100, Add	296.92	
26 25 13 00-0013	LF		4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	4,592.60	69.79
			For Up To 25, Add	1,148.15	
			For >25 To 50, Add	688.89	
			For >50 To 100, Add	344.45	
<b>26 25 13 00-0014</b>			<b>277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors</b> <small>(26 25 13 00-0001)</small>		
26 25 13 00-0015	LF		225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	843.53	28.88
			For Up To 25, Add	210.88	
			For >25 To 50, Add	126.53	
			For >50 To 100, Add	63.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0016	LF		400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,239.21	28.88
			For Up To 25, Add	309.80	
			For >25 To 50, Add	185.88	
			For >50 To 100, Add	92.94	
26 25 13 00-0017	LF		600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,401.28	38.51
			For Up To 25, Add	350.32	
			For >25 To 50, Add	210.19	
			For >50 To 100, Add	105.10	
26 25 13 00-0018	LF		800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,796.58	38.51
			For Up To 25, Add	449.15	
			For >25 To 50, Add	269.49	
			For >50 To 100, Add	134.74	
26 25 13 00-0019	LF		1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,204.22	48.13
			For Up To 25, Add	551.06	
			For >25 To 50, Add	330.63	
			For >50 To 100, Add	165.32	
26 25 13 00-0020	LF		1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,882.08	48.13
			For Up To 25, Add	720.52	
			For >25 To 50, Add	432.31	
			For >50 To 100, Add	216.16	
26 25 13 00-0021	LF		1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,744.68	49.86
			For Up To 25, Add	936.17	
			For >25 To 50, Add	561.70	
			For >50 To 100, Add	280.85	
26 25 13 00-0022	LF		2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	4,530.67	51.98
			For Up To 25, Add	1,132.67	
			For >25 To 50, Add	679.60	
			For >50 To 100, Add	339.80	
26 25 13 00-0023	LF		2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	5,643.66	54.39
			For Up To 25, Add	1,410.92	
			For >25 To 50, Add	846.55	
			For >50 To 100, Add	423.27	
26 25 13 00-0024	LF		3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	6,513.07	64.02
			For Up To 25, Add	1,628.27	
			For >25 To 50, Add	976.96	
			For >50 To 100, Add	488.48	
26 25 13 00-0025	LF		4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	7,561.27	69.79
			For Up To 25, Add	1,890.32	
			For >25 To 50, Add	1,134.19	
			For >50 To 100, Add	567.10	
<b>26 25 13 00-0026</b>			<b>Cable Tap Boxes</b> <small>(26 25 13 00-0001)</small>		
<b>26 25 13 00-0027</b>			<b>600 Volt, 3-Phase, 3-Wire, Copper Conductors</b> <small>(26 25 13 00-0026)</small>		
26 25 13 00-0028	EA		225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	4,267.04	134.77
26 25 13 00-0029	EA		400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	4,351.63	134.77
26 25 13 00-0030	EA		600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	4,668.47	182.90
26 25 13 00-0031	EA		800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	4,928.20	182.90
26 25 13 00-0032	EA		1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire.....	5,256.36	240.65
26 25 13 00-0033	EA		1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire.....	5,748.17	240.65
<b>26 25 13 00-0034</b>			<b>277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors</b> <small>(26 25 13 00-0026)</small>		
26 25 13 00-0035	EA		225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	4,351.63	264.72
26 25 13 00-0036	EA		400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	4,679.51	264.72
26 25 13 00-0037	EA		600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	4,949.31	360.97
26 25 13 00-0038	EA		800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	5,553.04	360.97
26 25 13 00-0039	EA		1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	5,788.82	481.31
26 25 13 00-0040	EA		1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	6,604.46	481.31
<b>26 25 13 00-0041</b>			<b>Bus Duct Plug-In Circuit Breaker</b> <small>(26 25 13 00-0001)</small>		
<b>26 25 13 00-0042</b>			<b>240 Volt, 3-Phase</b> <small>(26 25 13 00-0041)</small>		
26 25 13 00-0043	EA		60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker.....	1,835.47	96.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.66	
26 25 13 00-0044	EA		100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker.....	3,823.80	96.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.60	
<b>26 25 13 00-0045</b>			<b>600 Volt, 3-Phase</b> <small>(26 25 13 00-0041)</small>		
26 25 13 00-0046	EA		60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker .....	3,774.00	96.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.66	
26 25 13 00-0047	EA		100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker .....	4,891.04	96.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.60	
<b>26 25 13 00-0048</b>			<b>120/208 Volt, 3-Phase, 4-Wire</b> <small>(26 25 13 00-0041)</small>		
26 25 13 00-0049	EA		60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker.....	2,115.87	115.51
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.17	
26 25 13 00-0050	EA		100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker.....	2,512.26	115.51
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.20	
<b>26 25 13 00-0051</b>			<b>277/480 Volt, 3-Phase, 4-Wire</b> <small>(26 25 13 00-0041)</small>		
26 25 13 00-0052	EA		60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	2,462.13	115.51
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.17	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 25 Enclosed Bus Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0053	EA		100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	3,868.19	115.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.20	
26 25 13 00-0054	EA		225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	5,357.74	399.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.13	
26 25 13 00-0055	EA		400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	12,959.81	399.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	376.02	
26 25 13 00-0056	EA		600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	14,001.89	1,155.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	523.16	
26 25 13 00-0057	EA		800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	16,262.67	1,155.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	925.59	
<b>26 25 13 00-0058</b>			<b>Bus Duct Plug-In Fusible Switch</b> <small>(26 25 13 00-0001)</small>		
<b>26 25 13 00-0059</b>			<b>240 Volt, 3-Pole, 3-Fuse</b> <small>(26 25 13 00-0058)</small>		
26 25 13 00-0060	EA		30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,830.71	96.26
26 25 13 00-0061	EA		60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,985.18	96.26
26 25 13 00-0062	EA		100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,779.68	115.51
26 25 13 00-0063	EA		200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	4,661.10	231.02
26 25 13 00-0064	EA		400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	12,000.41	519.81
26 25 13 00-0065	EA		600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	17,533.13	904.86
<b>26 25 13 00-0066</b>			<b>600 Volt, 3-Pole, 3-Fuse</b> <small>(26 25 13 00-0058)</small>		
26 25 13 00-0067	EA		30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,935.07	105.88
26 25 13 00-0068	EA		60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,084.04	105.88
26 25 13 00-0069	EA		100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,827.30	105.88
26 25 13 00-0070	EA		200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	4,818.97	221.40
26 25 13 00-0071	EA		400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	11,974.70	500.55
26 25 13 00-0072	EA		600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	17,715.45	962.61
26 25 13 00-0073	EA		800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	29,947.44	1,251.39
<b>26 25 13 00-0074</b>			<b>120/208 Volt, 4-pole, 3 Fuse</b> <small>(26 25 13 00-0058)</small>		
26 25 13 00-0075	EA		30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,129.54	125.14
26 25 13 00-0076	EA		60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,249.46	125.14
26 25 13 00-0077	EA		100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	3,046.02	125.14
26 25 13 00-0078	EA		200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	5,174.77	259.90
26 25 13 00-0079	EA		400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	13,095.84	577.57
26 25 13 00-0080	EA		600 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	18,965.78	885.60
<b>26 25 13 00-0081</b>			<b>277/480 Volt, 4-pole, 3-Fuse</b> <small>(26 25 13 00-0058)</small>		
26 25 13 00-0082	EA		30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,209.17	125.14
26 25 13 00-0083	EA		60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,329.09	106.18
26 25 13 00-0084	EA		100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	3,272.90	144.39
26 25 13 00-0085	EA		200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	5,415.02	259.90
26 25 13 00-0086	EA		400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	13,095.84	577.57
26 25 13 00-0087	EA		600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	18,965.78	885.60
26 25 13 00-0088	EA		800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	30,696.50	1,174.39
<b>26 25 16</b>			<b>Low-Voltage Cablebus Systems</b> <small>(26 25)</small>		
<b>26 25 16 00-0001</b>			<b>Feeder Bus Duct</b> <small>(26 25 16)</small>		
			Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
<b>26 25 16 00-0002</b>			<b>600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance</b> <small>(26 25 16 00-0001)</small>		
			Note: Copper conductors.		
26 25 16 00-0003	LF		800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	1,574.24	40.43
			<i>For Up To 25, Add</i>	393.56	
			<i>For &gt;25 To 50, Add</i>	236.14	
			<i>For &gt;50 To 100, Add</i>	118.07	
26 25 16 00-0004	LF		1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	1,589.15	40.43
			<i>For Up To 25, Add</i>	397.29	
			<i>For &gt;25 To 50, Add</i>	238.37	
			<i>For &gt;50 To 100, Add</i>	119.19	
26 25 16 00-0005	LF		1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	2,101.39	40.43
			<i>For Up To 25, Add</i>	525.35	
			<i>For &gt;25 To 50, Add</i>	315.21	
			<i>For &gt;50 To 100, Add</i>	157.60	
26 25 16 00-0006	LF		1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	2,537.40	40.43
			<i>For Up To 25, Add</i>	634.35	
			<i>For &gt;25 To 50, Add</i>	380.61	
			<i>For &gt;50 To 100, Add</i>	190.31	
26 25 16 00-0007	LF		2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	3,110.41	40.43
			<i>For Up To 25, Add</i>	777.60	
			<i>For &gt;25 To 50, Add</i>	466.56	
			<i>For &gt;50 To 100, Add</i>	233.28	
26 25 16 00-0008	LF		3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	4,239.45	96.26
			<i>For Up To 25, Add</i>	1,059.86	
			<i>For &gt;25 To 50, Add</i>	635.92	
			<i>For &gt;50 To 100, Add</i>	317.96	
26 25 16 00-0009	LF		4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	5,887.74	96.26
			<i>For Up To 25, Add</i>	1,471.94	
			<i>For &gt;25 To 50, Add</i>	883.16	
			<i>For &gt;50 To 100, Add</i>	441.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 16 00-0010 LF 5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	6,964.89	96.26
For Up To 25, Add	1,741.22	
For >25 To 50, Add	1,044.73	
For >50 To 100, Add	522.37	
26 25 16 00-0011 LF 6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	8,599.85	96.26
For Up To 25, Add	2,149.96	
For >25 To 50, Add	1,289.98	
For >50 To 100, Add	644.99	
<b>26 25 16 00-0012 277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated</b> <small>(26 25 16 00-0001)</small>		
Note: Low impedance, copper conductors.		
26 25 16 00-0013 LF 800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	1,818.12	43.32
For Up To 25, Add	454.53	
For >25 To 50, Add	272.72	
For >50 To 100, Add	136.36	
26 25 16 00-0014 LF 1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	1,836.04	43.32
For Up To 25, Add	459.01	
For >25 To 50, Add	275.41	
For >50 To 100, Add	137.70	
26 25 16 00-0015 LF 1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	2,381.76	43.32
For Up To 25, Add	595.44	
For >25 To 50, Add	357.26	
For >50 To 100, Add	178.63	
26 25 16 00-0016 LF 1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	2,824.85	43.32
For Up To 25, Add	706.21	
For >25 To 50, Add	423.73	
For >50 To 100, Add	211.86	
26 25 16 00-0017 LF 2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	3,419.51	43.32
For Up To 25, Add	854.88	
For >25 To 50, Add	512.93	
For >50 To 100, Add	256.46	
26 25 16 00-0018 LF 3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	5,278.75	74.12
For Up To 25, Add	1,319.69	
For >25 To 50, Add	791.81	
For >50 To 100, Add	395.91	
26 25 16 00-0019 LF 4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	6,624.50	74.12
For Up To 25, Add	1,656.13	
For >25 To 50, Add	993.68	
For >50 To 100, Add	496.84	
26 25 16 00-0020 LF 5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	7,833.83	137.65
For Up To 25, Add	1,958.46	
For >25 To 50, Add	1,175.07	
For >50 To 100, Add	587.54	
26 25 16 00-0021 LF 6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	9,689.71	137.65
For Up To 25, Add	2,422.43	
For >25 To 50, Add	1,453.46	
For >50 To 100, Add	726.73	

**26 27 Low-Voltage Distribution Equipment** (26 20)

**26 27 13 Electricity Metering** (26 27)

**26 27 13 00-0001 Revenue Metering** (26 27 13)

**26 27 13 00-0002 Meter Socket Base** (26 27 13 00-0001)

Note: NEMA 3R.		
26 27 13 00-0003 EA 100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass.....	219.37	62.57
26 27 13 00-0004 EA 100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass.....	232.59	62.57
26 27 13 00-0005 EA 200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass.....	299.35	77.00
26 27 13 00-0006 EA 200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass.....	303.10	77.00
26 27 13 00-0007 EA 200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	585.86	86.63
26 27 13 00-0008 EA 320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	779.08	96.26
26 27 13 00-0009 EA 400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	1,924.77	105.88
26 27 13 00-0010 EA Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base .....	2,210.75	481.31

**26 27 13 00-0011 Meter Device** (26 27 13 00-0001)

Note: Direct read, with 15 minute demand.		
26 27 13 00-0012 EA 100 To 200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter.....	217.31	19.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.84	
26 27 13 00-0013 EA 200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter .....	612.09	19.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.06	

**26 27 13 00-0014 Current Transformer Enclosure** (26 27 13 00-0001)

26 27 13 00-0015 EA 18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure .....	453.63	125.14
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**26 27 13 00-0016 120/240 Volt Meter Center And Main Breaker, Indoor Housing** (26 27 13 00-0001)

**26 27 13 00-0017 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole** (26 27 13 00-0016)

26 27 13 00-0018 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	847.07	60.17
26 27 13 00-0019 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	1,114.82	72.19
26 27 13 00-0020 EA 5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	1,381.13	84.22
26 27 13 00-0021 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	1,600.43	96.26
26 27 13 00-0022 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	2,083.34	108.29

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 27 Low-Voltage Distribution Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 27 13 00-0023	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max.....	2,249.90		120.32
26 27 13 00-0024	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max.....	2,625.79		144.39
<b>26 27 13 00-0025</b>		<b>1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole</b> <small>(26 27 13 00-0016)</small>			
26 27 13 00-0026	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max.....	1,559.58		60.17
26 27 13 00-0027	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max.....	2,053.90		72.19
26 27 13 00-0028	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max.....	2,828.80		96.26
26 27 13 00-0029	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max.....	3,137.85		108.29
26 27 13 00-0030	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max.....	3,945.66		120.32
<b>26 27 13 00-0031</b>		<b>800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0016)</small>			
26 27 13 00-0032	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,297.05		84.22
26 27 13 00-0033	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,703.03		96.26
26 27 13 00-0034	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,083.34		108.29
26 27 13 00-0035	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,449.40		120.32
26 27 13 00-0036	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,086.23		132.36
26 27 13 00-0037	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,238.55		144.39
26 27 13 00-0038	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,013.42		168.46
<b>26 27 13 00-0039</b>		<b>1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0016)</small>			
26 27 13 00-0040	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,006.70		84.22
26 27 13 00-0041	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,629.28		96.26
26 27 13 00-0042	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,703.41		120.32
26 27 13 00-0043	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,969.73		132.36
26 27 13 00-0044	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,076.77		144.39
<b>26 27 13 00-0045</b>		<b>120/208 Volt Meter Center And Main Breaker, Indoor Housing</b> <small>(26 27 13 00-0001)</small>			
<b>26 27 13 00-0046</b>		<b>800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole</b> <small>(26 27 13 00-0045)</small>			
26 27 13 00-0047	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max.....	922.44		72.19
26 27 13 00-0048	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max.....	1,205.85		84.22
26 27 13 00-0049	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max.....	1,487.86		96.26
26 27 13 00-0050	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max.....	1,727.09		108.29
26 27 13 00-0051	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max.....	2,121.65		120.32
26 27 13 00-0052	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max.....	2,288.22		132.36
26 27 13 00-0053	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max.....	2,820.86		156.43
<b>26 27 13 00-0054</b>		<b>1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0045)</small>			
26 27 13 00-0055	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,640.65		72.19
26 27 13 00-0056	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,163.47		84.22
26 27 13 00-0057	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,123.60		108.29
26 27 13 00-0058	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,432.66		120.32
26 27 13 00-0059	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	4,155.01		132.36
<b>26 27 13 00-0060</b>		<b>800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0045)</small>			
26 27 13 00-0061	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,372.44		96.26
26 27 13 00-0062	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,784.11		108.29
26 27 13 00-0063	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,207.18		120.32
26 27 13 00-0064	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,573.25		132.36
26 27 13 00-0065	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,238.59		144.39
26 27 13 00-0066	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,390.87		156.43
26 27 13 00-0067	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,222.77		180.49
<b>26 27 13 00-0068</b>		<b>1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0045)</small>			
26 27 13 00-0069	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,102.04		96.26
26 27 13 00-0070	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,767.36		108.29
26 27 13 00-0071	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,969.76		132.36
26 27 13 00-0072	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,150.55		144.39
26 27 13 00-0073	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,271.87		156.43
<b>26 27 13 00-0074</b>		<b>120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing</b> <small>(26 27 13 00-0001)</small>			
<b>26 27 13 00-0075</b>		<b>800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0074)</small>			
26 27 13 00-0076	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	847.07		60.17
26 27 13 00-0077	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,114.82		72.19
26 27 13 00-0078	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,600.43		96.26
26 27 13 00-0079	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,083.34		108.29
26 27 13 00-0080	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,577.65		120.32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 13 00-0081		1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0082	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,559.57	60.17
26 27 13 00-0083	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,053.89	72.19
26 27 13 00-0084	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,971.29	96.26
26 27 13 00-0085	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,280.35	108.29
26 27 13 00-0086	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,945.66	120.32
26 27 13 00-0087		800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0088	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,297.05	84.22
26 27 13 00-0089	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,703.03	96.26
26 27 13 00-0090	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,449.40	120.32
26 27 13 00-0091	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,086.23	132.36
26 27 13 00-0092	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,238.55	144.39
26 27 13 00-0093		1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0094	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,006.72	84.22
26 27 13 00-0095	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,629.28	96.26
26 27 13 00-0096	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,703.41	120.32
26 27 13 00-0097	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,969.73	132.36
26 27 13 00-0098	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,076.80	144.39
26 27 13 00-0099		120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0100		800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0101	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	922.44	72.19
26 27 13 00-0102	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,205.85	84.22
26 27 13 00-0103	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,727.09	108.29
26 27 13 00-0104	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,264.15	120.32
26 27 13 00-0105	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,573.22	132.36
26 27 13 00-0106		1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0107	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,640.64	72.19
26 27 13 00-0108	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,163.45	84.22
26 27 13 00-0109	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,981.10	108.29
26 27 13 00-0110	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,290.16	120.32
26 27 13 00-0111	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	4,154.98	132.36
26 27 13 00-0112		800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0113	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,372.43	96.26
26 27 13 00-0114	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,784.09	108.29
26 27 13 00-0115	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,573.22	132.36
26 27 13 00-0116	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,238.55	144.39
26 27 13 00-0117	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,390.87	156.43
26 27 13 00-0118		1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0119	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,102.03	96.26
26 27 13 00-0120	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,767.34	108.29
26 27 13 00-0121	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,969.73	132.36
26 27 13 00-0122	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,150.55	144.39
26 27 13 00-0123	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,271.87	156.43
26 27 13 00-0124		Watt/Hour Meters <small>(26 27 13)</small>		
26 27 13 00-0125	EA	Single Phase M-90 Meter, Socket, NEMA 3R Enclosure .....	901.89	57.76
26 27 13 00-0126	EA	Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure .....	2,743.50	115.51
26 27 13 00-0127	EA	Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure .....	1,456.07	86.63
26 27 13 00-0128	EA	Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure .....	1,781.51	86.63
26 27 13 00-0129	EA	Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure .....	1,503.87	86.63
26 27 13 00-0130	EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure .....	1,018.67	79.89
26 27 13 00-0131	EA	P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure .....	1,741.34	144.39
26 27 13 00-0132		Watt/Hour Meter Systems <small>(26 27 13)</small>		
Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.				
26 27 13 00-0133		Watt/Hour Meter System Without Main Breaker <small>(26 27 13 00-0132)</small>		
26 27 13 00-0134	EA	400 Amperes System; 200 Amperes M-90 Meter And Enclosure .....	4,458.92	577.66

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 27 13 00-0135	EA	600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure .....		5,226.97	577.66
<b>26 27 13 00-0136</b>		<b>Watt/Hour Meter System With Main Breaker</b> (26 27 13 00-0132)			
26 27 13 00-0137	EA	400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure .....		7,831.04	577.66
26 27 13 00-0138	EA	600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure .....		9,505.80	577.66
26 27 13 00-0139	EA	800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure .....		10,216.06	577.66
<b>26 27 16</b>		<b>Electrical Cabinets and Enclosures</b> (26 27)			
		Note: Can be used as enclosure or pull/junction boxes.			
<b>26 27 16 00-0001</b>		<b>NEMA 1 Enclosures, Lockable</b> (26 27 16)			
<b>26 27 16 00-0002</b>		<b>Hinged Cover, Galvanized Steel NEMA 1 Enclosures</b> (26 27 16 00-0001)			
<b>26 27 16 00-0003</b>		<b>4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures</b> (26 27 16 00-0002)			
26 27 16 00-0004	EA	6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		60.56	19.25
26 27 16 00-0005	EA	6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		67.89	21.18
26 27 16 00-0006	EA	8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		75.28	23.10
26 27 16 00-0007	EA	8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		87.89	26.96
26 27 16 00-0008	EA	10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		95.68	28.88
26 27 16 00-0009	EA	10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		104.05	30.81
26 27 16 00-0010	EA	12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		103.76	30.81
26 27 16 00-0011	EA	12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		112.33	32.73
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		121.32	34.66
26 27 16 00-0013	EA	16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		157.42	46.21
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		190.95	55.84
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		181.47	53.91
<b>26 27 16 00-0016</b>		<b>6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures</b> (26 27 16 00-0002)			
26 27 16 00-0017	EA	6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		75.84	23.10
26 27 16 00-0018	EA	8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		92.00	26.96
26 27 16 00-0019	EA	10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		109.85	32.73
26 27 16 00-0020	EA	10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		118.63	34.66
26 27 16 00-0021	EA	12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		127.58	36.58
26 27 16 00-0022	EA	12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		136.94	38.51
26 27 16 00-0023	EA	16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		173.98	50.06
26 27 16 00-0024	EA	16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		211.00	61.61
26 27 16 00-0025	EA	18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		203.50	59.69
26 27 16 00-0026	EA	18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		264.97	77.00
26 27 16 00-0027	EA	24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		339.32	88.56
26 27 16 00-0028	EA	24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		387.38	96.26
26 27 16 00-0029	EA	30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		430.87	102.03
26 27 16 00-0030	EA	36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....		469.56	105.88
26 27 16 00-0031	EA	24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L) .....		313.10	77.00
<b>26 27 16 00-0032</b>		<b>Screw Cover, Galvanized Steel NEMA 1 Enclosures</b> (26 27 16 00-0001)			
<b>26 27 16 00-0033</b>		<b>3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures</b> (26 27 16 00-0032)			
26 27 16 00-0034	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		41.35	13.48
26 27 16 00-0035	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		59.10	19.25
26 27 16 00-0036	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		65.87	21.18
<b>26 27 16 00-0037</b>		<b>4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures</b> (26 27 16 00-0032)			
26 27 16 00-0038	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		46.31	15.40
26 27 16 00-0039	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		57.44	19.25
26 27 16 00-0040	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		64.10	21.18
26 27 16 00-0041	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		70.86	23.10
26 27 16 00-0042	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		82.68	26.96
26 27 16 00-0043	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		89.72	28.88
26 27 16 00-0044	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		97.12	30.81
26 27 16 00-0045	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		96.86	30.81
26 27 16 00-0046	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		104.57	32.73
26 27 16 00-0047	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		112.48	34.66
26 27 16 00-0048	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		147.32	46.21
26 27 16 00-0049	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		182.66	57.76
26 27 16 00-0050	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		169.56	53.91
26 27 16 00-0051	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		219.53	69.31
26 27 16 00-0052	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		314.10	86.63
<b>26 27 16 00-0053</b>		<b>6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures</b> (26 27 16 00-0032)			
26 27 16 00-0054	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		71.22	23.10
26 27 16 00-0055	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		78.47	25.03
26 27 16 00-0056	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		90.45	28.88
26 27 16 00-0057	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		102.68	32.73
26 27 16 00-0058	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		110.48	34.66
26 27 16 00-0059	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		118.37	36.58
26 27 16 00-0060	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		126.56	38.51
26 27 16 00-0061	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		162.21	50.06
26 27 16 00-0062	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		199.32	61.61
26 27 16 00-0063	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....		189.68	59.69

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0064 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	246.51	77.00
26 27 16 00-0065 EA 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	306.25	88.56
26 27 16 00-0066 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	349.88	96.26
26 27 16 00-0067 EA 30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	377.36	102.03
26 27 16 00-0068 EA 36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	411.56	105.88
<b>26 27 16 00-0069 8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)</b>		
26 27 16 00-0070 EA 8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	102.68	32.73
26 27 16 00-0071 EA 12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	139.59	42.36
26 27 16 00-0072 EA 16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	177.47	53.91
26 27 16 00-0073 EA 16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	220.38	67.39
26 27 16 00-0074 EA 18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	210.85	65.46
26 27 16 00-0075 EA 18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	261.15	80.86
26 27 16 00-0076 EA 24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	291.69	92.41
26 27 16 00-0077 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	336.44	98.18
26 27 16 00-0078 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	385.77	105.88
26 27 16 00-0079 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	410.25	111.66
26 27 16 00-0080 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	430.63	115.51
26 27 16 00-0081 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	441.38	115.51
<b>26 27 16 00-0082 10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)</b>		
26 27 16 00-0083 EA 18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	239.05	73.15
26 27 16 00-0084 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	314.20	94.33
26 27 16 00-0085 EA 24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	319.01	100.11
26 27 16 00-0086 EA 24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	409.20	107.81
26 27 16 00-0087 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	469.93	119.36
26 27 16 00-0088 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	519.57	123.21
26 27 16 00-0089 EA 36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	553.74	128.99
<b>26 27 16 00-0090 12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)</b>		
26 27 16 00-0091 EA 18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	346.83	103.96
26 27 16 00-0092 EA 24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	346.75	109.74
26 27 16 00-0093 EA 24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	450.09	119.36
26 27 16 00-0094 EA 24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	513.09	130.91
26 27 16 00-0095 EA 30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	573.60	136.69
26 27 16 00-0096 EA 36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	604.62	142.47
<b>26 27 16 00-0097 NEMA 1 Enclosures For Up To 6 Boards, Lockable (26 27 16)</b>		
<b>26 27 16 00-0098 4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures (26 27 16 00-0097)</b>		
26 27 16 00-0099 EA 24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12).....	868.65	84.71
<b>26 27 16 00-0100 NEMA 12 Enclosures, Lockable (26 27 16)</b>		
Note: Dust-tight enclosures.		
<b>26 27 16 00-0101 Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)</b>		
<b>26 27 16 00-0102 4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)</b>		
26 27 16 00-0103 EA 4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	85.50	15.40
26 27 16 00-0104 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	111.40	21.18
26 27 16 00-0105 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	137.86	26.96
26 27 16 00-0106 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	149.22	28.88
26 27 16 00-0107 EA 12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	167.43	30.81
26 27 16 00-0108 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	180.34	32.73
<b>26 27 16 00-0109 6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)</b>		
26 27 16 00-0110 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	123.65	23.10
26 27 16 00-0111 EA 8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	136.21	25.03
<b>26 27 16 00-0112 Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)</b>		
<b>26 27 16 00-0113 4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)</b>		
26 27 16 00-0114 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	169.38	15.40
26 27 16 00-0115 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	203.34	21.18
26 27 16 00-0116 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	229.89	23.10
26 27 16 00-0117 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	263.05	26.96
26 27 16 00-0118 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	270.61	28.88
26 27 16 00-0119 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	319.40	30.81
26 27 16 00-0120 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	342.94	32.73
26 27 16 00-0121 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	390.08	34.66
<b>26 27 16 00-0122 6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)</b>		
26 27 16 00-0123 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	247.40	23.10
26 27 16 00-0124 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	279.62	25.03
26 27 16 00-0125 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	304.88	28.88
26 27 16 00-0126 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	360.62	34.66

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 27 16 00-0127	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure .....	391.69		38.51
26 27 16 00-0128	EA	16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure .....	543.73		50.06
26 27 16 00-0129	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure .....	842.56		77.00
26 27 16 00-0130	EA	24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure .....	1,102.91		88.56
26 27 16 00-0131	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure .....	1,243.27		96.26
<b>26 27 16 00-0132</b>		<b>8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0112)</small></b>			
26 27 16 00-0133	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure .....	1,150.36		98.18
26 27 16 00-0134	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure .....	1,325.31		105.88
26 27 16 00-0135	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure .....	1,456.54		111.66
26 27 16 00-0136	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure .....	1,605.45		115.51
26 27 16 00-0137	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure .....	1,583.44		115.51
<b>26 27 16 00-0138</b>		<b>Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0100)</small></b>			
<b>26 27 16 00-0139</b>		<b>8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0138)</small></b>			
26 27 16 00-0140	EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	5,046.44		156.43
<b>26 27 16 00-0141</b>		<b>10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0138)</small></b>			
26 27 16 00-0142	EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	5,096.04		173.27
26 27 16 00-0143	EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	5,845.03		185.31
26 27 16 00-0144	EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	6,725.05		231.02
26 27 16 00-0145	EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	7,509.99		272.42
<b>26 27 16 00-0146</b>		<b>12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0138)</small></b>			
26 27 16 00-0147	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	5,439.78		272.42
26 27 16 00-0148	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	6,063.36		288.78
26 27 16 00-0149	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	6,885.88		308.04
26 27 16 00-0150	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	7,597.13		308.04
<b>26 27 16 00-0151</b>		<b>NEMA 3 Enclosures, Lockable <small>(26 27 16)</small></b>			
		Note: Can be used underground or encased in concrete.			
<b>26 27 16 00-0152</b>		<b>2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0151)</small></b>			
26 27 16 00-0153	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	248.50		67.39
<b>26 27 16 00-0154</b>		<b>3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0151)</small></b>			
26 27 16 00-0155	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	266.50		67.39
26 27 16 00-0156	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	339.45		69.79
26 27 16 00-0157	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	351.69		69.79
26 27 16 00-0158	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	440.81		72.19
<b>26 27 16 00-0159</b>		<b>4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0151)</small></b>			
26 27 16 00-0160	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	336.14		69.79
26 27 16 00-0161	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	368.16		69.79
26 27 16 00-0162	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	383.73		72.19
26 27 16 00-0163	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	482.10		72.19
26 27 16 00-0164	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	529.81		77.00
26 27 16 00-0165	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	570.23		81.82
26 27 16 00-0166	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	593.62		81.82
26 27 16 00-0167	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	705.08		84.22
26 27 16 00-0168	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	764.61		86.63
26 27 16 00-0169	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,045.42		96.26
<b>26 27 16 00-0170</b>		<b>6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0151)</small></b>			
26 27 16 00-0171	EA	6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	509.07		74.60
26 27 16 00-0172	EA	8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	640.92		84.22
26 27 16 00-0173	EA	8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	750.22		86.63
26 27 16 00-0174	EA	10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	863.95		89.04
26 27 16 00-0175	EA	10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	919.13		89.04
26 27 16 00-0176	EA	12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,045.12		96.26
26 27 16 00-0177	EA	12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,208.72		108.29
26 27 16 00-0178	EA	16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,139.06		103.48
26 27 16 00-0179	EA	18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,214.07		192.53
26 27 16 00-0180	EA	18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,830.61		240.65
<b>26 27 16 00-0181</b>		<b>8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0151)</small></b>			
26 27 16 00-0182	EA	8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	927.88		91.44
26 27 16 00-0183	EA	12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,394.38		120.32
26 27 16 00-0184	EA	12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,416.91		120.32
26 27 16 00-0185	EA	16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,920.58		180.49

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0186 EA 18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,527.11	192.53
26 27 16 00-0187 EA 24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	6,404.45	336.92
<b>26 27 16 00-0188 10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> (26 27 16 00-0151)		
26 27 16 00-0189 EA 18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,368.74	240.65
<b>26 27 16 00-0190 12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> (26 27 16 00-0151)		
26 27 16 00-0191 EA 18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	5,176.63	288.78
26 27 16 00-0192 EA 24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	4,258.71	264.72
<b>26 27 16 00-0193 NEMA 3R Enclosures, Lockable</b> (26 27 16) Note: Rain-tight enclosures.		
<b>26 27 16 00-0194 Hinged Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0193)		
<b>26 27 16 00-0195 4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0194)		
26 27 16 00-0196 EA 6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	80.19	19.25
26 27 16 00-0197 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	88.54	21.18
26 27 16 00-0198 EA 8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	130.98	23.10
<b>26 27 16 00-0199 6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0194)		
26 27 16 00-0200 EA 8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	164.87	28.88
26 27 16 00-0201 EA 10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	184.24	32.73
26 27 16 00-0202 EA 12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	216.16	36.58
26 27 16 00-0203 EA 12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	233.68	38.51
26 27 16 00-0204 EA 16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	304.24	50.06
26 27 16 00-0205 EA 16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	363.83	61.61
26 27 16 00-0206 EA 18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	415.64	77.00
<b>26 27 16 00-0207 8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0194)		
26 27 16 00-0208 EA 24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	631.10	98.18
26 27 16 00-0209 EA 24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	699.92	105.88
26 27 16 00-0210 EA 30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	787.84	111.66
26 27 16 00-0211 EA 30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	828.62	115.51
<b>26 27 16 00-0212 10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0194)		
26 27 16 00-0213 EA 12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	782.54	119.36
26 27 16 00-0214 EA 12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	883.99	134.77
26 27 16 00-0215 EA 12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	978.65	149.21
26 27 16 00-0216 EA 12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,078.17	164.61
26 27 16 00-0217 EA 12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,173.81	179.05
26 27 16 00-0218 EA 18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	509.56	94.33
26 27 16 00-0219 EA 24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	782.54	119.36
26 27 16 00-0220 EA 30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	926.44	123.21
26 27 16 00-0221 EA 36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,172.62	134.77
<b>26 27 16 00-0222 12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0194)		
26 27 16 00-0223 EA 12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	758.89	95.30
26 27 16 00-0224 EA 12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	850.96	106.85
26 27 16 00-0225 EA 12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	942.07	118.40
26 27 16 00-0226 EA 12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,041.91	130.91
26 27 16 00-0227 EA 12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,133.97	142.47
26 27 16 00-0228 EA 18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	566.99	71.23
26 27 16 00-0229 EA 18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	758.89	95.30
26 27 16 00-0230 EA 18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	850.96	106.85
26 27 16 00-0231 EA 18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,001.74	125.14
26 27 16 00-0232 EA 18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,133.97	142.47
26 27 16 00-0233 EA 30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,077.81	140.54
26 27 16 00-0234 EA 36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,133.97	142.47
26 27 16 00-0235 EA 36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,194.47	146.32
26 27 16 00-0236 EA 36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,330.48	154.02
26 27 16 00-0237 EA 42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,442.99	161.72
<b>26 27 16 00-0238 Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0193)		
<b>26 27 16 00-0239 4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0238)		
26 27 16 00-0240 EA 4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	56.87	15.40
26 27 16 00-0241 EA 6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	68.80	19.25
26 27 16 00-0242 EA 6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	75.96	21.18
26 27 16 00-0243 EA 8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	84.19	23.10
26 27 16 00-0244 EA 8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	97.77	26.96
26 27 16 00-0245 EA 10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	106.51	28.88
26 27 16 00-0246 EA 10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	116.01	30.81
26 27 16 00-0247 EA 12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	115.50	30.81
26 27 16 00-0248 EA 12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	126.17	32.73
26 27 16 00-0249 EA 12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	135.67	34.66

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0250	EA		18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	205.11	53.91
26 27 16 00-0251	EA		18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	273.37	69.31
<b>26 27 16 00-0252</b>			<b>6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> <small>(26 27 16 00-0238)</small>		
26 27 16 00-0253	EA		6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	79.17	23.10
26 27 16 00-0254	EA		8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	107.87	28.88
26 27 16 00-0255	EA		10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	122.20	32.73
26 27 16 00-0256	EA		10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	132.39	34.66
26 27 16 00-0257	EA		12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	131.64	34.66
26 27 16 00-0258	EA		12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	142.44	36.58
26 27 16 00-0259	EA		12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	153.33	38.51
26 27 16 00-0260	EA		16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	200.10	50.06
26 27 16 00-0261	EA		18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	230.50	59.69
26 27 16 00-0262	EA		18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	307.40	77.00
26 27 16 00-0263	EA		24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	321.06	82.78
26 27 16 00-0264	EA		24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	366.57	88.56
26 27 16 00-0265	EA		24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	412.68	96.26
<b>26 27 16 00-0266</b>			<b>8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> <small>(26 27 16 00-0238)</small>		
26 27 16 00-0267	EA		12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	171.57	42.36
26 27 16 00-0268	EA		18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	248.76	65.46
26 27 16 00-0269	EA		18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	340.07	84.71
26 27 16 00-0270	EA		24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	405.62	98.18
26 27 16 00-0271	EA		24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	458.61	105.88
26 27 16 00-0272	EA		30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	509.13	111.66
<b>26 27 16 00-0273</b>			<b>10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> <small>(26 27 16 00-0238)</small>		
26 27 16 00-0274	EA		18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	375.23	94.33
26 27 16 00-0275	EA		24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	504.48	119.36
26 27 16 00-0276	EA		30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	553.00	123.21
<b>26 27 16 00-0277</b>			<b>12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> <small>(26 27 16 00-0238)</small>		
26 27 16 00-0278	EA		24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	557.26	130.91
26 27 16 00-0279	EA		30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	773.68	142.47
26 27 16 00-0280	EA		36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	799.56	146.32
26 27 16 00-0281	EA		36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	934.06	154.02
<b>26 27 16 00-0282</b>			<b>NEMA 4 Enclosures, Lockable</b> <small>(26 27 16)</small>		
			Note: Water-tight enclosures.		
<b>26 27 16 00-0283</b>			<b>Hinge Cover, Painted Steel NEMA 4 Enclosures</b> <small>(26 27 16 00-0282)</small>		
26 27 16 00-0284	EA		4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	94.61	13.48
26 27 16 00-0285	EA		6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	110.29	16.37
26 27 16 00-0286	EA		8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	137.82	21.18
26 27 16 00-0287	EA		6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	130.90	21.18
26 27 16 00-0288	EA		10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	174.81	28.88
26 27 16 00-0289	EA		12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	218.08	34.66
26 27 16 00-0290	EA		10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	201.30	32.73
26 27 16 00-0291	EA		12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	234.60	38.51
26 27 16 00-0292	EA		14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	276.29	44.28
26 27 16 00-0293	EA		16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	334.41	55.84
<b>26 27 16 00-0294</b>			<b>Clamp Cover, Painted Steel NEMA 4 Enclosures</b> <small>(26 27 16 00-0282)</small>		
26 27 16 00-0295	EA		4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure .....	86.57	13.48
26 27 16 00-0296	EA		6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure .....	122.88	21.18
<b>26 27 16 00-0297</b>			<b>Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures</b> <small>(26 27 16 00-0282)</small>		
26 27 16 00-0298	EA		6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	108.35	18.48
26 27 16 00-0299	EA		8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	115.02	20.03
26 27 16 00-0300	EA		10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	140.81	26.18
26 27 16 00-0301	EA		12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	164.94	28.88
26 27 16 00-0302	EA		14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure.....	213.60	36.58
26 27 16 00-0303	EA		16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure.....	249.61	43.32
26 27 16 00-0304	EA		18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure.....	349.51	69.31
<b>26 27 16 00-0305</b>			<b>NEMA 4X Enclosures, Lockable</b> <small>(26 27 16)</small>		
			Note: Water-tight enclosures.		
<b>26 27 16 00-0306</b>			<b>Clamp Cover, Aluminum NEMA 4X Enclosures</b> <small>(26 27 16 00-0305)</small>		
26 27 16 00-0307	EA		6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure .....	191.04	15.40
26 27 16 00-0308	EA		6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure .....	224.51	21.18
26 27 16 00-0309	EA		10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure .....	284.07	28.88
26 27 16 00-0310	EA		12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure .....	344.96	34.66
26 27 16 00-0311	EA		14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure .....	424.92	44.28
26 27 16 00-0312	EA		16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure .....	500.95	55.84



	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 27 16 00-0313</b>	<b>Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures</b> <small>(26 27 16 00-0305)</small>			
26 27 16 00-0314	EA 4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure..... <i>For 316L Stainless Steel, Add</i>	242.36	56.34	13.48
26 27 16 00-0315	EA 6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure..... <i>For 316L Stainless Steel, Add</i>	315.14	72.09	19.25
26 27 16 00-0316	EA 6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure..... <i>For 316L Stainless Steel, Add</i>	357.14	82.13	21.18
26 27 16 00-0317	EA 8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure..... <i>For 316L Stainless Steel, Add</i>	408.80	94.78	23.10
26 27 16 00-0318	EA 10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure..... <i>For 316L Stainless Steel, Add</i>	502.04	116.06	28.88
26 27 16 00-0319	EA 12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure..... <i>For 316L Stainless Steel, Add</i>	706.35	166.03	36.58
26 27 16 00-0320	EA 14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure..... <i>For 316L Stainless Steel, Add</i>	880.64	207.88	44.28
26 27 16 00-0321	EA 16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure..... <i>For 316L Stainless Steel, Add</i>	1,061.54	248.93	55.84

<b>26 27 16 00-0322</b>	<b>Screw Cover, Polycarbonate NEMA 4X Enclosures</b> <small>(26 27 16 00-0305)</small>			
<small>Note: NEMA 3R, 4, 4X and 12 rated.</small>				
26 27 16 00-0323	EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	109.98		21.18
26 27 16 00-0324	EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	123.79		23.10
26 27 16 00-0325	EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	141.68		26.96
26 27 16 00-0326	EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	153.98		28.88
26 27 16 00-0327	EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	177.86		32.73
26 27 16 00-0328	EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	167.36		32.73
26 27 16 00-0329	EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	194.94		36.58
26 27 16 00-0330	EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	244.26		44.28
26 27 16 00-0331	EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	312.18		60.65
26 27 16 00-0332	EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	402.35		87.31
26 27 16 00-0333	EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	118.24		21.18
26 27 16 00-0334	EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	133.55		23.10
26 27 16 00-0335	EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	152.18		26.96
26 27 16 00-0336	EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	166.73		28.88
26 27 16 00-0337	EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	191.37		32.73
26 27 16 00-0338	EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	180.12		32.73
26 27 16 00-0339	EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	212.25		36.58
26 27 16 00-0340	EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	253.26		44.28
26 27 16 00-0341	EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	330.95		60.65
26 27 16 00-0342	EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	422.60		87.31

<b>26 27 16 00-0343</b>	<b>Hinged Cover, Polycarbonate NEMA 4X Enclosures</b> <small>(26 27 16 00-0305)</small>			
<small>Note: NEMA 3R, 4, 4X and 12 rated.</small>				
26 27 16 00-0344	EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	133.24		21.18
26 27 16 00-0345	EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	142.55		23.10
26 27 16 00-0346	EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	161.93		26.96
26 27 16 00-0347	EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	174.99		28.88
26 27 16 00-0348	EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	207.13		32.73
26 27 16 00-0349	EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	190.62		32.73
26 27 16 00-0350	EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	234.00		36.58
26 27 16 00-0351	EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	278.03		44.28
26 27 16 00-0352	EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	341.45		60.65
26 27 16 00-0353	EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	440.61		87.31
26 27 16 00-0354	EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	139.25		21.18
26 27 16 00-0355	EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	153.80		23.10
26 27 16 00-0356	EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	172.44		26.96
26 27 16 00-0357	EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	186.24		28.88
26 27 16 00-0358	EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	222.14		32.73
26 27 16 00-0359	EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	203.37		32.73
26 27 16 00-0360	EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	249.77		36.58
26 27 16 00-0361	EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	285.53		44.28
26 27 16 00-0362	EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	366.20		60.65
26 27 16 00-0363	EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	466.88		87.31

<b>26 27 16 00-0364</b>	<b>NEMA 7/9 Enclosures, Lockable</b> <small>(26 27 16)</small>			
<small>Note: Nominal inside dimensions.</small>				
<b>26 27 16 00-0365</b>	<b>4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures</b> <small>(26 27 16 00-0364)</small>			
26 27 16 00-0366	EA 6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	1,093.96	46.44	108.29
26 27 16 00-0367	EA 6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	872.92	86.54	115.51
26 27 16 00-0368	EA 8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	1,704.32	119.34	129.95

<b>26 27 16 00-0369</b>	<b>6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures</b> <small>(26 27 16 00-0364)</small>			
26 27 16 00-0370	EA 8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	1,515.84	60.68	129.95

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0371	EA		8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	1,974.34 119.34	133.56
26 27 16 00-0372	EA		8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	2,020.41 91.28	144.39
26 27 16 00-0373	EA		10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	2,073.39 106.80	144.39
26 27 16 00-0374	EA		10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	2,930.99 140.12	180.49
26 27 16 00-0375	EA		12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	2,762.87 87.49	162.44
26 27 16 00-0376	EA		12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	2,858.46 130.91	180.49
26 27 16 00-0377	EA		12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	4,416.49 176.12	324.88
26 27 16 00-0378	EA		14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	3,505.80 171.48	216.58
26 27 16 00-0379	EA		16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	4,602.55 157.43	360.97
26 27 16 00-0380	EA		18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	5,514.72 255.93	360.97
<b>26 27 16 00-0381</b>			<b>8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures</b> <small>(26 27 16 00-0364)</small>		
26 27 16 00-0382	EA		8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	2,357.95 91.28	162.44
26 27 16 00-0383	EA		10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	2,374.41 106.80	162.44
26 27 16 00-0384	EA		10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	2,687.98 140.12	162.44
26 27 16 00-0385	EA		12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	2,978.61 87.49	180.49
26 27 16 00-0386	EA		12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	4,331.55 130.91	324.88
26 27 16 00-0387	EA		12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	5,270.98 176.12	397.08
26 27 16 00-0388	EA		12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	8,274.44 264.87	469.28
26 27 16 00-0389	EA		14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	4,747.28 171.48	397.08
26 27 16 00-0390	EA		16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	4,876.32 157.43	397.08
26 27 16 00-0391	EA		16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	7,261.28 235.98	433.18
26 27 16 00-0392	EA		18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	5,998.44 255.93	397.08
26 27 16 00-0393	EA		18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	8,010.22 374.25	433.18
26 27 16 00-0394	EA		18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	7,955.43 498.92	433.18
26 27 16 00-0395	EA		18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	12,348.83 623.56	577.57
26 27 16 00-0396	EA		24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	9,399.24 579.80	469.28
26 27 16 00-0397	EA		24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	17,026.13 793.74	721.96
<b>26 27 16 00-0398</b>			<b>10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures</b> <small>(26 27 16 00-0364)</small>		
26 27 16 00-0399	EA		12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	8,606.39 264.87	469.28
26 27 16 00-0400	EA		16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	7,922.44 235.98	433.18
26 27 16 00-0401	EA		18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	8,631.09 374.25	469.28
26 27 16 00-0402	EA		18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	10,900.78 623.56	505.37
26 27 16 00-0403	EA		24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	9,647.02 579.80	505.37
26 27 16 00-0404	EA		24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	18,546.82 793.74	721.96
<b>26 27 16 00-0405</b>			<b>12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures</b> <small>(26 27 16 00-0364)</small>		
26 27 16 00-0406	EA		12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	5,389.37 176.12	397.08
<b>26 27 16 00-0407</b>			<b>Breaker Enclosures</b> <small>(26 27 16)</small>		
			See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
<b>26 27 16 00-0408</b>			<b>15 To 100 Amperes, F-Frame Breaker Enclosures</b> <small>(26 27 16 00-0407)</small>		
26 27 16 00-0409	EA		NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure .....	330.02	77.00
26 27 16 00-0410	EA		NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure .....	619.62	77.00
26 27 16 00-0411	EA		NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure .....	1,544.32	105.88

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0412 EA NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	2,099.01	115.51
26 27 16 00-0413 EA NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	1,524.46	115.51
26 27 16 00-0414 EA NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	523.74	105.88
<b>26 27 16 00-0415 15 To 250 Amperes, H Or J-Frame Breaker Enclosures (26 27 16 00-0407)</b>		
26 27 16 00-0416 EA NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	530.24	105.88
26 27 16 00-0417 EA NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	994.00	105.88
26 27 16 00-0418 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	3,440.26	134.77
26 27 16 00-0419 EA NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	811.48	134.77
<b>26 27 16 00-0420 125 To 400 Amperes, L-Frame Breaker Enclosures (26 27 16 00-0407)</b>		
26 27 16 00-0421 EA NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	821.16	211.77
26 27 16 00-0422 EA NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	1,964.75	211.77
26 27 16 00-0423 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	5,821.80	269.53
26 27 16 00-0424 EA NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	1,379.85	269.53
<b>26 27 16 00-0425 300 To 800 Amperes, M-Frame Breaker Enclosures (26 27 16 00-0407)</b>		
26 27 16 00-0426 EA NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	1,610.40	404.30
26 27 16 00-0427 EA NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	2,819.10	404.30
26 27 16 00-0428 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	10,467.93	519.81
26 27 16 00-0429 EA NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	5,619.17	519.81
<b>26 27 16 00-0430 250 To 1,200 Amperes, P-Frame Breaker Enclosures (26 27 16 00-0407)</b>		
26 27 16 00-0431 EA NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	1,981.95	404.30
26 27 16 00-0432 EA NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	3,406.69	404.30
26 27 16 00-0433 EA NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	7,090.47	519.81
<b>26 27 16 00-0434 Legend Plates (26 27 16)</b>		
26 27 16 00-0435 EA 3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters.....	13.64	4.81
26 27 16 00-0436 EA 3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters.....	19.58	4.81
<b>26 27 19 Multi-Outlet Assemblies (26 27)</b>		
<b>26 27 19 00-0001 Surface Metal Raceway, Preamsembled With Outlets (26 27 19)</b>		
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 27 19 00-0002 LF Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center.....	25.05	7.03
<i>For Concrete Or Masonry Surface, Add</i>		
	0.70	
26 27 19 00-0003 LF Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center.....	19.58	5.00
<i>For Concrete Or Masonry Surface, Add</i>		
	0.51	
26 27 19 00-0004 LF Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center.....	18.23	5.29
<i>For Concrete Or Masonry Surface, Add</i>		
	0.53	
26 27 19 00-0005 LF Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center.....	20.40	5.00
<i>For Concrete Or Masonry Surface, Add</i>		
	0.51	
26 27 19 00-0006 LF Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center.....	16.16	5.10
<i>For Concrete Or Masonry Surface, Add</i>		
	0.51	
26 27 19 00-0007 LF Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center.....	23.08	5.00
<i>For Concrete Or Masonry Surface, Add</i>		
	0.51	
26 27 19 00-0008 LF Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center.....	20.15	5.00
<i>For Concrete Or Masonry Surface, Add</i>		
	0.51	
26 27 19 00-0009 LF Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center.....	21.92	5.00
<i>For Concrete Or Masonry Surface, Add</i>		
	0.51	
<b>26 27 23 Indoor Service Poles (26 27)</b>		
<b>26 27 23 00-0001 Communication And Power Poles (26 27 23)</b>		
Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
<b>26 27 23 00-0002 Steel Communication And Power Poles (26 27 23 00-0001)</b>		
<b>26 27 23 00-0003 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)</b>		
<b>26 27 23 00-0004 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)</b>		
26 27 23 00-0005 EA 2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	242.00	42.65
26 27 23 00-0006 EA 2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	262.36	42.65
26 27 23 00-0007 EA 2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	285.90	42.65
<b>26 27 23 00-0008 Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)</b>		
Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009 EA Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	49.56	8.79
26 27 23 00-0010 EA Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles.....	43.13	8.79
26 27 23 00-0011 EA Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	48.67	8.79
26 27 23 00-0012 EA Add-On 2-1/4" Width Steel Cover Plate For Data And AV Modular Devices.....	36.39	8.79

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0013	EA		Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting .....	30.20	8.79
26 27 23 00-0014			<b>2-3/4" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0002)</small>		
26 27 23 00-0015			<b>2-3/4" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0014)</small>		
26 27 23 00-0016	EA		2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole .....	311.81	42.65
26 27 23 00-0017	EA		2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole .....	355.56	42.65
26 27 23 00-0018	EA		2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole .....	379.18	42.65
26 27 23 00-0019			<b>Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0014)</small>		
			Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020	EA		Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle .....	33.66	8.79
26 27 23 00-0021	EA		Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle .....	30.39	8.79
26 27 23 00-0022	EA		Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices .....	32.73	8.79
26 27 23 00-0023			<b>3" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0002)</small>		
26 27 23 00-0024			<b>3" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0023)</small>		
26 27 23 00-0025	EA		3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole .....	404.53	42.65
26 27 23 00-0026	EA		3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole .....	457.20	42.65
26 27 23 00-0027	EA		3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole .....	491.91	42.65
26 27 23 00-0028			<b>Additional Cover Plates For 3" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0023)</small>		
			Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029	EA		Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle .....	33.66	8.79
26 27 23 00-0030	EA		Add-On 3" Width Steel Cover Plate For One Duplex Receptacle .....	30.39	8.79
26 27 23 00-0031	EA		Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices .....	32.73	8.79
26 27 23 00-0032			<b>Aluminum Communication And Power Poles</b> <small>(26 27 23 00-0001)</small>		
26 27 23 00-0033			<b>2-1/8" Width, Aluminum Communication And Power Poles</b> <small>(26 27 23 00-0032)</small>		
26 27 23 00-0034			<b>2-1/8" Width, Aluminum Communication And Power Poles</b> <small>(26 27 23 00-0033)</small>		
26 27 23 00-0035	EA		2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole .....	325.51	42.65
26 27 23 00-0036	EA		2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole .....	362.33	42.65
26 27 23 00-0037	EA		2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole .....	403.61	42.65
26 27 23 00-0038			<b>Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles</b> <small>(26 27 23 00-0033)</small>		
26 27 23 00-0039	EA		Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle .....	50.82	8.79
26 27 23 00-0040	EA		Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles .....	51.85	8.79
26 27 23 00-0041	EA		Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle .....	55.31	8.79
26 27 23 00-0042	EA		Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices .....	38.33	8.79
26 27 23 00-0043	EA		Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting .....	30.20	8.79
26 27 23 00-0044			<b>2-1/4" Width, Aluminum Communication And Power Poles</b> <small>(26 27 23 00-0032)</small>		
26 27 23 00-0045	EA		2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole .....	314.01	42.65
26 27 23 00-0046	EA		2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole .....	351.78	42.65
26 27 23 00-0047	EA		2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole .....	396.27	42.65
26 27 23 00-0048			<b>5" Width, Aluminum Communication And Power Poles</b> <small>(26 27 23 00-0032)</small>		
26 27 23 00-0049	EA		5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole .....	650.40	42.65
26 27 23 00-0050	EA		5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole .....	743.02	42.65
26 27 23 00-0051	EA		5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole .....	846.75	42.65
26 27 23 00-0052			<b>2" Diameter, Round Aluminum Communication And Power Pole</b> <small>(26 27 23 00-0032)</small>		
26 27 23 00-0053	EA		2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole .....	356.22	42.65
26 27 23 00-0054	EA		2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole .....	337.56	42.65
26 27 23 00-0055	EA		2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole .....	430.71	42.65
26 27 26			<b>Wiring Devices</b> <small>(26 27)</small>		
			Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001			<b>Receptacles</b> <small>(26 27 26)</small>		
26 27 26 00-0002			<b>General Use Receptacles</b> <small>(26 27 26 00-0001)</small>		
26 27 26 00-0003			<b>Receptacle Assemblies</b> <small>(26 27 26 00-0002)</small>		
			Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004	EA		15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly .....	79.93	34.18
26 27 26 00-0005	EA		20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly .....	85.53	36.58
26 27 26 00-0006	EA		15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly .....	102.55	43.80

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 26 00-0007	EA			20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly .....	113.78	48.62
26 27 26 00-0008	EA			15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly .....	90.77	34.18
26 27 26 00-0009	EA			20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly .....	96.94	36.58

**26 27 26 00-0010 Receptacle Components** (26 27 26 00-0002)

26 27 26 00-0011	EA			15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle .....	22.21	9.63
26 27 26 00-0012	EA			15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle .....	21.57	9.63
26 27 26 00-0013	EA			15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle .....	25.30	9.63
26 27 26 00-0014	EA			15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle .....	27.46	9.63
26 27 26 00-0015	EA			15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle .....	35.02	12.03
26 27 26 00-0016	EA			15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle .....	42.10	12.03
26 27 26 00-0017	EA			20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle .....	23.04	9.63
26 27 26 00-0018	EA			20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle .....	22.37	9.63
26 27 26 00-0019	EA			20 Amperes, 120/277 Volt, Single Receptacle .....	32.09	9.63
26 27 26 00-0020	EA			20 Amperes, 120/277 Volt, Duplex Receptacle .....	26.78	9.63
26 27 26 00-0021	EA			20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle .....	35.02	12.03
26 27 26 00-0022	EA			20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle .....	42.10	12.03
26 27 26 00-0023	EA			20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle .....	64.80	12.03
26 27 26 00-0024	EA			20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle .....	64.80	12.03
26 27 26 00-0025	EA			25 Amperes, 120/277 Volt, Duplex Receptacle .....	55.04	14.44

**26 27 26 00-0026 Specialty Receptacles** (26 27 26 00-0001)

**26 27 26 00-0027 Specialty Receptacles** (26 27 26 00-0026)

26 27 26 00-0028	EA			30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle .....	49.76	16.85
26 27 26 00-0029	EA			30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle .....	49.76	16.85
26 27 26 00-0030	EA			30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles .....	62.53	16.85
26 27 26 00-0031	EA			30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle .....	74.42	16.85
26 27 26 00-0032	EA			30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle .....	79.24	19.25
26 27 26 00-0033	EA			50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle .....	73.36	19.25
26 27 26 00-0034	EA			50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle .....	71.70	19.25
26 27 26 00-0035	EA			50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle .....	63.15	19.25
26 27 26 00-0036	EA			50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle .....	75.44	19.25
26 27 26 00-0037	EA			50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle .....	88.30	19.25
26 27 26 00-0038	EA			50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle .....	93.11	21.66
26 27 26 00-0039	EA			60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle .....	102.44	24.07
26 27 26 00-0040	EA			60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle .....	112.07	28.88
26 27 26 00-0041	EA			100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete .....	1,056.87	226.21
26 27 26 00-0042	EA			400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete .....	2,555.73	276.75
26 27 26 00-0043	EA			30 Amperes, 230 Volt, Dryer Receptacle .....	59.28	19.25
26 27 26 00-0044	EA			60 Amperes, 230 Volt, Range Receptacle .....	86.86	28.88
26 27 26 00-0045	EA			15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle .....	55.00	12.03
26 27 26 00-0046	EA			Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete .....	1,115.17	293.08
26 27 26 00-0047	EA			Projector Receptacle Switchcraft #D4F .....	62.59	21.66
26 27 26 00-0048	EA			Electronic Receptacle Cannon XLR/SLR .....	79.66	21.66

**26 27 26 00-0049 Isolated Ground Receptacles** (26 27 26 00-0026)

26 27 26 00-0050	EA			15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex .....	67.48	9.63
				Note: 2 Pole, 3 wire.		
26 27 26 00-0051	EA			20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex .....	46.94	12.03
26 27 26 00-0052	EA			20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex .....	46.78	12.03
26 27 26 00-0053	EA			30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex .....	65.30	19.25
26 27 26 00-0054	EA			Locking 15 Amperes, 250 Volt Isolated Ground Receptacles .....	52.39	12.03
26 27 26 00-0055	EA			Locking 15 Amperes, 277 Volt Isolated Ground Receptacles .....	48.15	12.03
26 27 26 00-0056	EA			Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles .....	66.22	14.44
26 27 26 00-0057	EA			Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles .....	53.02	14.44
26 27 26 00-0058	EA			Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles .....	67.79	14.44
26 27 26 00-0059	EA			Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles .....	82.18	14.44
26 27 26 00-0060	EA			Locking 30 Amperes, 277 Volt Isolated Ground Receptacles .....	81.66	19.25

**26 27 26 00-0061 Explosion Proof Receptacles** (26 27 26 00-0026)

26 27 26 00-0062	EA			1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly .....	666.51	24.07
26 27 26 00-0063	EA			3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly .....	614.75	26.47
26 27 26 00-0064	EA			3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	1,022.69	48.13
26 27 26 00-0065	EA			3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	1,286.36	48.13
26 27 26 00-0066	EA			1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	1,629.43	72.19
26 27 26 00-0067	EA			1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	1,553.09	72.19

**26 27 26 00-0068 Ground Fault Circuit Interrupter (GFCI)** (26 27 26 00-0026)

26 27 26 00-0069	EA			15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle .....	30.01	12.03
26 27 26 00-0070	EA			20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle .....	43.41	14.44
26 27 26 00-0071	EA			15 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle .....	31.90	16.40
26 27 26 00-0072	EA			20 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle .....	54.53	19.25

**26 27 26 00-0073 Arc Fault Circuit Interrupter (AFCI)** (26 27 26 00-0026)

26 27 26 00-0074	EA			15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle .....	53.64	12.03
26 27 26 00-0075	EA			20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle .....	58.89	12.03

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0076			<b>Locking Receptacle</b> (26 27 26 00-0026)		
26 27 26 00-0077	EA		NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle.....	42.20	12.03
26 27 26 00-0078	EA		NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle.....	51.61	12.03
26 27 26 00-0079	EA		NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	46.90	14.44
26 27 26 00-0080	EA		NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	46.49	14.44
26 27 26 00-0081	EA		NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	54.77	14.44
26 27 26 00-0082	EA		NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	65.47	14.44
26 27 26 00-0083	EA		NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle.....	64.28	14.44
26 27 26 00-0084	EA		NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle.....	56.46	14.44
26 27 26 00-0085	EA		NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle.....	64.68	19.25
26 27 26 00-0086	EA		NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking, Receptacle.....	65.67	19.25
26 27 26 00-0087	EA		NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle.....	87.49	19.25
26 27 26 00-0088			<b>Hospital Grade Receptacle</b> (26 27 26 00-0026)		
26 27 26 00-0089	EA		15 Amperes, Heavy Duty Hospital Grade, NEMA 5-15, Duplex Receptacle.....	42.13	9.63
26 27 26 00-0090	EA		20 Amperes, Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle.....	45.69	9.63
26 27 26 00-0091	EA		20 Amperes, Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground.....	52.45	9.63
26 27 26 00-0092	EA		20 Amperes, Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle.....	46.20	9.63
26 27 26 00-0093	EA		20 Amperes, Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground.....	53.19	9.63
26 27 26 00-0094	EA		20 Amperes, Non-Magnetic MRI Hospital Grade, NEMA 5-20, Duplex Receptacle.....	58.60	9.63
26 27 26 00-0095	EA		120 Volt, Transient Voltage, Surge Suppressor Receptacle.....	125.96	28.88
			Note: Hospital grade receptacle.		
26 27 26 00-0096			<b>Weathertight Pin And Sleeve Receptacle</b> (26 27 26 00-0026)		
26 27 26 00-0097	EA		20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W).....	208.60	48.13
26 27 26 00-0098	EA		20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W).....	208.14	48.13
26 27 26 00-0099	EA		20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W).....	216.90	48.13
26 27 26 00-0100	EA		20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W).....	263.68	52.95
26 27 26 00-0101	EA		20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W).....	264.41	52.95
26 27 26 00-0102	EA		20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W).....	262.72	52.95
26 27 26 00-0103	EA		30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W).....	314.21	59.20
26 27 26 00-0104	EA		30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W).....	299.96	59.20
26 27 26 00-0105	EA		30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W).....	322.27	59.20
26 27 26 00-0106	EA		30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W).....	326.36	64.98
26 27 26 00-0107	EA		30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W).....	326.08	64.98
26 27 26 00-0108	EA		30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W).....	328.10	64.98
26 27 26 00-0109	EA		60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W).....	456.79	77.00
26 27 26 00-0110	EA		60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W).....	439.53	77.00
26 27 26 00-0111	EA		60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W).....	450.76	77.00
26 27 26 00-0112	EA		60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W).....	501.97	85.67
26 27 26 00-0113	EA		60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W).....	502.30	85.67
26 27 26 00-0114	EA		60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W).....	502.63	85.67
26 27 26 00-0115	EA		100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W).....	558.86	96.26
26 27 26 00-0116	EA		100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W).....	580.98	96.26
26 27 26 00-0117	EA		100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W).....	625.42	105.88
26 27 26 00-0118	EA		100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W).....	623.76	105.88
26 27 26 00-0119	EA		100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W).....	626.88	105.88
26 27 26 00-0120			<b>Corrosion Resistant Receptacle</b> (26 27 26 00-0026)		
26 27 26 00-0121	EA		15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles.....	57.03	9.63
26 27 26 00-0122	EA		15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles.....	113.34	12.03
26 27 26 00-0123			<b>Tamper Resistant Receptacle</b> (26 27 26 00-0026)		
26 27 26 00-0124	EA		15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle.....	23.28	9.63
			Note: Pass & Seymour 3232-TR.		
26 27 26 00-0125	EA		20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle.....	25.36	9.63
			Note: Pass & Seymour TR20.		
26 27 26 00-0126	EA		15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle.....	31.32	9.63
			Note: Pass & Seymour TR5251.		
26 27 26 00-0127	EA		20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle.....	34.12	9.63
			Note: Pass & Seymour TR5351.		
26 27 26 00-0128	EA		15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle.....	50.91	9.63
			Note: Pass & Seymour S1595-TR*CC8.		
26 27 26 00-0129	EA		15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	54.91	9.63
			Note: Pass & Seymour 1595-TRS.		
26 27 26 00-0130	EA		20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	58.73	9.63
			Note: Pass & Seymour 2095-TRS.		
26 27 26 00-0131			<b>USB Charger/Duplex Tamper-Resistant Receptacles</b> (26 27 26 00-0026)		
26 27 26 00-0132	EA		15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	52.40	9.63
26 27 26 00-0133	EA		20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	56.55	9.63
26 27 26 00-0134			<b>Television Receptacle</b> (26 27 26 00-0001)		
26 27 26 00-0135	EA		TV Receptacle With Cover (Type F), Complete.....	60.55	22.33

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 27 26 00-0136</b>		<b>Switches</b> <small>(26 27 26)</small>		
<b>26 27 26 00-0137</b>		<b>Switches</b> <small>(26 27 26 00-0136)</small>		
<b>26 27 26 00-0138</b>		<b>Switch Assemblies</b> <small>(26 27 26 00-0137)</small>		
		Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0139	EA	1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	82.46	33.69
26 27 26 00-0140	EA	1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	88.61	36.58
26 27 26 00-0141	EA	2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	110.00	44.04
26 27 26 00-0142	EA	2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	120.41	48.86
26 27 26 00-0143	EA	3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	188.88	75.56
26 27 26 00-0144	EA	3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	204.49	82.78
26 27 26 00-0145	EA	4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	216.42	85.43
26 27 26 00-0146	EA	4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	237.24	95.05

<b>26 27 26 00-0147</b>		<b>Switch Components</b> <small>(26 27 26 00-0137)</small>		
26 27 26 00-0148	EA	15 Amperes, 120/277 Volt, SPST Switch.....	25.06	9.63
26 27 26 00-0149	EA	15 Amperes, 120/277 Volt, 3-Way Switch.....	31.70	12.03
26 27 26 00-0150	EA	15 Amperes, 120/277 Volt, 4-Way Switch.....	60.66	19.25
26 27 26 00-0151	EA	15 Amperes, 120/277 Volt, DPST Switch.....	28.44	9.63
26 27 26 00-0152	EA	15 Amperes, 120/277 Volt, Thermal Switch.....	52.95	12.03
26 27 26 00-0153	EA	20 Amperes, 120/277 Volt, SPST Switch.....	30.27	12.03
26 27 26 00-0154	EA	20 Amperes, 120/277 Volt, 3-Way Switch.....	37.36	14.44
26 27 26 00-0155	EA	20 Amperes, 120/277 Volt, 4-Way Switch.....	80.75	19.25
26 27 26 00-0156	EA	20 Amperes, 120/277 Volt, DPST Switch.....	35.69	12.03
26 27 26 00-0157	EA	20 Amperes, 120/277 Volt, DPDT Switch.....	38.09	12.03
26 27 26 00-0158	EA	15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch.....	61.60	12.06
26 27 26 00-0159	EA	15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch.....	77.41	12.06
26 27 26 00-0160	EA	Momentary Contact Switch With Separate Neon Pilot.....	59.49	14.47
		Note: Neon Pilot is 125 V, 1 / 125W.		
26 27 26 00-0161	EA	20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off.....	45.72	16.85
		Note: Or 250 VAC 10 Amp, double throw BAT handle.		
26 27 26 00-0162	EA	20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch.....	56.04	19.25
		Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0163	EA	20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch.....	80.80	19.25
		Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0164	EA	30 Amperes, 120/277 Volt, Single Pole, Local Switch.....	62.44	19.29
26 27 26 00-0165	EA	30 Amperes, 120/277 Volt, Double Pole, Local Switch.....	76.65	19.29
26 27 26 00-0166	EA	30 Amperes, 120/277 Volt, Three-Way Local Switch.....	80.45	24.12
26 27 26 00-0167	EA	30 Amperes, 120/277 Volt, Four-Way Local Switch.....	111.80	26.53
26 27 26 00-0168	EA	15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot.....	54.90	15.77
26 27 26 00-0169	EA	15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot.....	76.56	15.77
		Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.		
26 27 26 00-0170	EA	15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch.....	67.22	15.77
26 27 26 00-0171	EA	15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch.....	64.01	15.77
26 27 26 00-0172	EA	6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch.....	69.45	7.82
26 27 26 00-0173	EA	6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch.....	73.80	7.82
26 27 26 00-0174	EA	15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch.....	79.64	30.10
26 27 26 00-0175	EA	Three Position, Center Off, Key Operated, Momentary Contact Switch.....	95.45	30.10
		Note: 15A, 120/277 V, Single Pole		
26 27 26 00-0176	EA	Single Pole, Slide Dimmer (Leviton IP710-LFZ).....	112.66	9.65
26 27 26 00-0177	EA	8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH).....	91.46	9.65
26 27 26 00-0178	EA	120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH).....	189.40	9.63
26 27 26 00-0179	EA	120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH).....	44.04	9.63
26 27 26 00-0180	EA	1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV).....	98.14	9.65
26 27 26 00-0181	EA	1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000).....	114.11	9.65
26 27 26 00-0182	EA	2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000).....	148.96	9.65
26 27 26 00-0183	EA	Wireless Single Rocker Remote Switch (Leviton WSS0S-S9).....	115.95	9.65

<b>26 27 26 00-0184</b>		<b>Specialty Switches</b> <small>(26 27 26 00-0136)</small>		
<b>26 27 26 00-0185</b>		<b>Dimmers With SPST Switch</b> <small>(26 27 26 00-0184)</small>		
26 27 26 00-0186	EA	600 Watt Dimmers With SPST Switch.....	55.87	21.66
26 27 26 00-0187	EA	1,000 Watt Dimmers With SPST Switch.....	95.05	21.66
26 27 26 00-0188	EA	1,500 Watt Dimmers With SPST Switch.....	170.91	34.85
26 27 26 00-0189	EA	2,000 Watt Dimmers With SPST Switch.....	220.90	34.85
26 27 26 00-0190	EA	600 Watt Fluorescent Dimmer Switch.....	123.43	25.70
26 27 26 00-0191	EA	1,000 Watt Fluorescent Dimmer Switch.....	166.45	25.70
26 27 26 00-0192	EA	1,500 Watt Fluorescent Dimmer Switch.....	300.75	38.80
26 27 26 00-0193	EA	Remote Speed Switch For Paddle Fan.....	91.80	32.06
26 27 26 00-0194	EA	600 Watt Combination Remote Speed Switch/Incandescent Dimmer.....	151.06	47.84

<b>26 27 26 00-0195</b>		<b>Time Switches</b> <small>(26 27 26 00-0184)</small>		
26 27 26 00-0196	EA	40 Amperes, 125 Volt, SPST, Standard Time Switch.....	103.02	28.88
26 27 26 00-0197	EA	40 Amperes, 277 Volt, SPST, Standard Time Switch.....	105.28	28.88
26 27 26 00-0198	EA	40 Amperes, 125 Volt, DPST, Standard Time Switch.....	103.02	28.88
26 27 26 00-0199	EA	40 Amperes, 277 Volt, DPST, Standard Time Switch.....	105.28	28.88
26 27 26 00-0200	EA	40 Amperes, 125 Volt, SPST, 7-Day Time Switch.....	118.11	28.88
26 27 26 00-0201	EA	40 Amperes, 277 Volt, SPST, 7-Day Time Switch.....	118.11	28.88
26 27 26 00-0202	EA	40 Amperes, 125 Volt, DPDT, 7-Day Time Switch.....	207.12	28.88
26 27 26 00-0203	EA	40 Amperes, 277 Volt, DPDT, 7-Day Time Switch.....	207.12	28.88
26 27 26 00-0204	EA	20 Amperes, 125 Volt, SPST, Programmable Time Switch.....	178.56	28.88
26 27 26 00-0205	EA	20 Amperes, 277 Volt, SPST, Programmable Time Switch.....	196.00	28.88

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 27 26 00-0206	EA	20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch.....	196.00		28.88
26 27 26 00-0207	EA	40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch.....	237.22		28.88
26 27 26 00-0208	EA	40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch.....	244.16		28.88
26 27 26 00-0209	EA	40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch.....	103.02		28.88
26 27 26 00-0210	EA	40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch.....	105.28		28.88
26 27 26 00-0211	EA	40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch.....	103.02		28.88
26 27 26 00-0212	EA	40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch.....	105.28		28.88
26 27 26 00-0213	EA	40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch.....	118.11		28.88
26 27 26 00-0214	EA	40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch.....	118.11		28.88
26 27 26 00-0215	EA	40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch.....	207.12		28.88
26 27 26 00-0216	EA	40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch.....	207.12		28.88
26 27 26 00-0217	EA	40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch.....	237.22		28.88
26 27 26 00-0218	EA	40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch.....	244.16		28.88
26 27 26 00-0219	EA	30 Amperes, SPST, 120 Volt, 7-Day Time Switch EZ Controls #EZ-701-1.....	218.00		28.88
26 27 26 00-0220	EA	30 Amperes, DPST, 120 Volt, 7-Day Time Switch EZ Controls #EZ-701-2.....	243.07		28.88
<b>26 27 26 00-0221</b>		<b>Low Voltage Switching (26 27 26 00-0184)</b>			
26 27 26 00-0222	EA	36 Pin Male Or Female Connector.....	165.58		9.63
<b>26 27 26 00-0223</b>		<b>Other Switches (26 27 26 00-0184)</b>			
26 27 26 00-0224	EA	Pull Chain Switch 120/277 Volt AC Installed In Light Fixture.....	31.68		14.44
26 27 26 00-0225	EA	SPST Locking Switch For Concealed Devices.....	96.45		38.51
26 27 26 00-0226	EA	3-Way Locking Switch For Concealed Devices.....	97.67		36.00
26 27 26 00-0227	EA	Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard.....	106.49		36.00
26 27 26 00-0228	EA	15 Amperes Momentary Contact Switch.....	101.54		36.00
26 27 26 00-0229	EA	20 Amperes Momentary Contact Switch.....	106.75		36.00
26 27 26 00-0230	EA	2-1/4" Handy Box Cover Units Fuseholder Switch.....	101.32		43.41
26 27 26 00-0231	EA	2-3/4" Handy Box Cover Units Fuseholder Switch.....	102.78		43.41
26 27 26 00-0232	EA	4" Square Box Cover Units With 2 Fuseholders And 2 Switches.....	126.42		53.06
26 27 26 00-0233	EA	4" Square Box Cover Units With 1 Fuseholder And 1 Switch.....	114.96		48.23
26 27 26 00-0234	EA	4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch.....	115.32		48.23
<b>26 27 26 00-0235</b>		<b>Plates And Covers (26 27 26)</b>			
<b>26 27 26 00-0236</b>		<b>Wall Plates (26 27 26 00-0235)</b>			
<b>26 27 26 00-0237</b>		<b>Nylon Wall Plates (26 27 26 00-0236)</b>			
26 27 26 00-0238	EA	1 Gang Nylon Switch Plate.....	1.48		0.48
26 27 26 00-0239	EA	2 Gang Nylon Switch Plate.....	2.49		0.72
26 27 26 00-0240	EA	3 Gang Nylon Switch Plate.....	3.52		0.96
26 27 26 00-0241	EA	4 Gang Nylon Switch Plate.....	5.04		1.21
26 27 26 00-0242	EA	1 Gang Duplex Nylon Wall Plate.....	1.49		0.48
26 27 26 00-0243	EA	2 Gang Duplex Nylon Wall Plate.....	2.55		0.72
<b>26 27 26 00-0244</b>		<b>Plastic Wall Plates (26 27 26 00-0236)</b>			
26 27 26 00-0245	EA	1 Gang Plastic Switch Plate.....	1.37		0.48
26 27 26 00-0246	EA	2 Gang Plastic Switch Plate.....	2.28		0.72
26 27 26 00-0247	EA	3 Gang Plastic Switch Plate.....	3.19		0.96
26 27 26 00-0248	EA	4 Gang Plastic Switch Plate.....	5.04		1.21
26 27 26 00-0249	EA	1 Gang Duplex Plastic Wall Plate.....	1.37		0.48
26 27 26 00-0250	EA	2 Gang Duplex Plastic Wall Plate.....	2.29		0.72
<b>26 27 26 00-0251</b>		<b>Brass Wall Plates (26 27 26 00-0236)</b>			
26 27 26 00-0252	EA	1 Gang, 0.04" Brass Switch Plate.....	14.09		2.17
26 27 26 00-0253	EA	2 Gang, 0.04" Brass Switch Plate.....	26.17		2.51
26 27 26 00-0254	EA	3 Gang, 0.04" Brass Switch Plate.....	38.17		2.79
26 27 26 00-0255	EA	4 Gang, 0.04" Brass Switch Plate.....	59.19		3.03
26 27 26 00-0256	EA	5 Gang, 0.04" Brass Switch Plate.....	72.02		3.24
26 27 26 00-0257	EA	6 Gang, 0.04" Brass Switch Plate.....	83.30		3.38
26 27 26 00-0258	EA	1 Gang, 0.04" Brass Duplex Receptacle Wall Plate.....	14.09		2.17
26 27 26 00-0259	EA	2 Gang, 0.04" Brass Duplex Receptacle Wall Plate.....	30.61		2.51
26 27 26 00-0260	EA	3 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	44.02		2.79
<b>26 27 26 00-0261</b>		<b>Stainless Steel Wall Plates (26 27 26 00-0236)</b>			
26 27 26 00-0262	EA	1 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	7.68		2.17
26 27 26 00-0263	EA	2 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	12.17		2.51
26 27 26 00-0264	EA	3 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	16.91		2.79
26 27 26 00-0265	EA	4 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	24.65		3.03
26 27 26 00-0266	EA	5 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	28.97		3.24
26 27 26 00-0267	EA	6 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	34.96		3.38
26 27 26 00-0268	EA	1 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	8.39		2.17
26 27 26 00-0269	EA	2 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	13.83		2.51
26 27 26 00-0270	EA	3 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	22.40		2.79
26 27 26 00-0271	EA	4 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	27.03		3.03
<b>26 27 26 00-0272</b>		<b>Chrome Wall Plates (26 27 26 00-0236)</b>			
26 27 26 00-0273	EA	1 Gang, 0.040" Chrome Switch Plate With Chromium Finish.....	27.89		2.17



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 26 00-0274	EA	2 Gang 0.040" Chrome Switch Plate With Chromium Finish .....	52.02	2.51
26 27 26 00-0275	EA	3 Gang 0.040" Chrome Switch Plate With Chromium Finish .....	76.14	2.79
26 27 26 00-0276	EA	1 Gang 0.040" Chrome Duplex Receptacle Wall Plate With Chromium Finish .....	27.87	2.17

**26 27 26 00-0277 Weatherproof Covers** (26 27 26 00-0235)

**26 27 26 00-0278 Stamped Metallic Weatherproof Covers** (26 27 26 00-0277)

Note: Includes electrostatically applied powder coating and neoprene gasket.

26 27 26 00-0279	EA	Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC) .....	9.56	0.48
26 27 26 00-0280	EA	Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC) .....	10.36	0.48
26 27 26 00-0281	EA	Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC) .....	10.36	0.48
26 27 26 00-0282	EA	Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC) .....	10.36	0.48
26 27 26 00-0283	EA	Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC) .....	12.71	0.72
26 27 26 00-0284	EA	Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC) .....	14.43	0.72
26 27 26 00-0285	EA	Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC) .....	14.60	0.72
26 27 26 00-0286	EA	Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC) .....	14.60	0.72
26 27 26 00-0287	EA	Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC) .....	19.84	0.72
26 27 26 00-0288	EA	Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB) .....	18.81	0.96
26 27 26 00-0289	EA	Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT) .....	20.56	0.96

**26 27 26 00-0290 Cast Metallic Weatherproof Covers** (26 27 26 00-0277)

Note: Includes electrostatically applied powder coating and neoprene gasket.

26 27 26 00-0291	EA	Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC) .....	11.70	0.48
26 27 26 00-0292	EA	Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA) .....	37.34	0.48
26 27 26 00-0293	EA	Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR) .....	41.87	0.48
26 27 26 00-0294	EA	Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG) .....	11.61	0.48
26 27 26 00-0295	EA	Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT) .....	31.65	0.48
26 27 26 00-0296	EA	Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT) .....	52.64	0.48
26 27 26 00-0297	EA	Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST) .....	67.02	0.48
26 27 26 00-0298	EA	Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC) .....	14.60	0.72
26 27 26 00-0299	EA	Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST) .....	105.88	0.72
26 27 26 00-0300	EA	Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC) .....	24.43	0.96
26 27 26 00-0301	EA	Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST) .....	101.15	0.96

**26 27 26 00-0302 Die Cast Aluminum Weatherproof Covers** (26 27 26 00-0277)

Note: Includes electrostatically applied powder coating and neoprene gasket.

26 27 26 00-0303	EA	Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027) .....	4.08	0.48
26 27 26 00-0304	EA	Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026) .....	5.23	0.48
26 27 26 00-0305	EA	Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032) .....	7.03	0.72
26 27 26 00-0306	EA	Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041) .....	7.62	0.72
26 27 26 00-0307	EA	Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042) .....	7.62	0.72
26 27 26 00-0308	EA	Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043) .....	8.48	0.72

**26 27 26 00-0309 Heavy Duty Die Cast Aluminum Weatherproof Covers** (26 27 26 00-0277)

Note: Includes baked on lacquer finish and neoprene gasket.

26 27 26 00-0310	EA	Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510) .....	41.28	0.48
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**26 27 26 00-0311 Polycarbonate Weatherproof Covers** (26 27 26 00-0277)

Note: Includes neoprene gasket.

26 27 26 00-0312	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730) .....	8.35	0.48
26 27 26 00-0313	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730) .....	8.35	0.48
26 27 26 00-0314	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730) .....	8.35	0.48
26 27 26 00-0315	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775) .....	10.35	0.72
26 27 26 00-0316	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775) .....	10.35	0.72

**26 27 26 00-0317 High Impact Thermoplastic Weatherproof Covers** (26 27 26 00-0277)

Note: Includes neoprene gasket.

26 27 26 00-0318	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522) .....	63.61	0.48
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**26 27 26 00-0319 Non Metallic (PVC) Weatherproof Covers** (26 27 26 00-0277)

Note: Includes neoprene gasket.

26 27 26 00-0320	EA	Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	11.62	0.48
26 27 26 00-0321	EA	Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover .....	12.42	0.72
26 27 26 00-0322	EA	Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	11.66	0.48
26 27 26 00-0323	EA	Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	25.87	0.48
26 27 26 00-0324	EA	Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	30.01	0.48
26 27 26 00-0325	EA	20 Amperes, Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	24.30	0.48
26 27 26 00-0326	EA	30 Amperes, Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	18.07	0.48
26 27 26 00-0327	EA	50 Amperes, Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	21.17	0.48
26 27 26 00-0328	EA	Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	18.92	0.48
26 27 26 00-0329	EA	Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover .....	27.23	0.72

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 27 26 00-0330		<b>Removal And Reinstallation Of Wiring Devices</b> (26 27 26) Note: Includes storage and cleaning.			
26 27 26 00-0331	EA	Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device .....	63.33		
26 27 26 00-0332	EA	Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate .....	8.02		
26 27 26 00-0333		<b>Relay Systems</b> (26 27 26)			
26 27 26 00-0334	EA	10 Amperes, 24 Volt Coil, 2 Position Relay .....	70.67		21.66
26 27 26 00-0335	EA	20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay .....	296.70		72.19
26 27 26 00-0336	EA	20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay .....	497.39		96.26
26 27 26 00-0337		<b>Limit Switches</b> (26 27 26)			
26 27 26 00-0338		<b>Heavy Duty Precision Oiltight</b> (26 27 26 00-0337)			
26 27 26 00-0339		<b>Lever Arm, Plunger, Wobble Stick Type</b> (26 27 26 00-0338)			
26 27 26 00-0340	EA	Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amperes Rated .....	384.14		60.65
26 27 26 00-0341		<b>In Line Midget Fuseholders</b> (26 27 26) See CSI section 26 28 13 00-0078 for fuses.			
26 27 26 00-0342	EA	Single Pole Water Resistant In Line Midget Fuseholder .....	67.05		
26 27 26 00-0343	EA	Double Pole Water Resistant In Line Midget Fuseholder .....	150.49		
26 27 33		<b>Power Distribution Units</b> (26 27) Note: Includes wiring connections and testing.			
26 27 33 00-0001		<b>Liebert Precision Power Center</b> (26 27 33) Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.			
26 27 33 00-0002	EA	PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C) .....	14,763.39		296.00
26 27 33 00-0003	EA	PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C) .....	17,820.43		320.84
26 27 33 00-0004	EA	PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C) .....	20,307.67		356.16
26 27 33 00-0005	EA	PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C) .....	23,361.81		385.04
26 27 33 00-0006	EA	PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C) .....	25,501.90		481.31
26 27 33 00-0007	EA	PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C) .....	28,615.77		577.57
26 27 33 00-0008	EA	PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C) .....	33,018.45		673.83
26 27 33 00-0009	EA	PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C) .....	34,728.94		770.08
26 27 33 00-0010	EA	PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C) .....	36,697.18		866.35
26 27 33 00-0011	EA	Ex Panelboard 10-30 KVA .....	1,320.97		96.26
26 27 33 00-0012	EA	Ex Panelboard 50-125 KVA .....	1,970.54		120.32
26 27 33 00-0013	EA	Ex Panelboard 150-220 KVA .....	4,424.49		144.39
26 27 33 00-0014	EA	Removal And Reinstallation Of Power Distribution Unit .....	1,540.18		
		Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.			
26 27 33 00-0015	EA	Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only .....	1,155.14		
26 27 73		<b>Door Chimes</b> (26 27)			
26 27 73 00-0001		<b>Door Bell Chime And Door Button With Built-In Viewer</b> (26 27 73) Note: Non-electric chime, mounted on door			
26 27 73 00-0002	EA	Mechanical Door Bell Chime And Door Button With Built-In Viewer (Newhouse Hardware MCHBV) .....	67.53		15.74
26 27 73 00-0003		<b>Wireless Door Bell System</b> (26 27 73)			
26 27 73 00-0004	EA	Wireless Doorbell Chime And Push Button (Broan LA542WH) .....	103.83		
		Note: Includes 2 push buttons			
26 27 73 00-0005	EA	Wireless Doorbell Chime And Push Button (STI-3350G) .....	98.08		
		Note: Includes 2 push buttons			
26 27 73 00-0006	EA	Wireless Doorbell Chime And Push Button (GE 19300) .....	74.58		
		Note: Includes 2 push buttons			
26 27 73 00-0007		<b>Door Bell Buzzer System, Wired</b> (26 27 73)			
26 27 73 00-0008	EA	Door Bell, Push-Button And Transformer, Complete .....	523.36		200.51
26 27 73 00-0009	EA	Visual Flashing Doorbell Indicator, Wire To Existing System, Complete .....	211.06		48.13
26 27 73 00-0010	EA	Removal And Replacement Of Bell/Buzzer, Complete .....	85.85		24.07
		Note: Includes removal of existing.			

**26 28 Low-Voltage Circuit Protective Devices** (26 20)**26 28 13 Fuses** (26 28)

26 28 13 00-0001		<b>125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses</b> (26 28 13)			
26 28 13 00-0002	EA	1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse .....	20.73		6.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62		
26 28 13 00-0003	EA	2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse .....	20.30		6.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62		
26 28 13 00-0004	EA	3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse .....	19.73		6.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62		
26 28 13 00-0005	EA	5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse .....	19.64		6.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62		
26 28 13 00-0006	EA	6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse .....	20.18		6.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0007 EA 8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.13 4.62	6.93
26 28 13 00-0008 EA 10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.88 4.62	6.93
26 28 13 00-0009 EA 15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.83 4.62	6.93
26 28 13 00-0010 EA 20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.52 4.62	6.93
26 28 13 00-0011 EA 25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.11 4.62	6.93
26 28 13 00-0012 EA 30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.70 4.62	6.93
<b>26 28 13 00-0013 Class RK1, Time Delay Fuses <small>(26 28 13)</small></b>		
<b>26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses <small>(26 28 13 00-0013)</small></b>		
26 28 13 00-0015 EA 1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.83 4.62	6.93
26 28 13 00-0016 EA 2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.97 4.62	6.93
26 28 13 00-0017 EA 3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.26 4.62	6.93
26 28 13 00-0018 EA 4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.10 4.62	6.93
26 28 13 00-0019 EA 5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.80 4.62	6.93
26 28 13 00-0020 EA 10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.02 4.62	6.93
26 28 13 00-0021 EA 15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.97 4.62	6.93
26 28 13 00-0022 EA 20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.81 4.62	6.93
26 28 13 00-0023 EA 25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.98 4.62	6.93
26 28 13 00-0024 EA 30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.77 4.62	6.93
26 28 13 00-0025 EA 35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.52 4.62	6.93
26 28 13 00-0026 EA 40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.90 4.62	6.93
26 28 13 00-0027 EA 45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.37 4.62	6.93
26 28 13 00-0028 EA 50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.98 4.62	6.93
26 28 13 00-0029 EA 60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.42 4.62	6.93
<b>26 28 13 00-0030 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses <small>(26 28 13 00-0013)</small></b>		
26 28 13 00-0031 EA 70 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.51 5.78	8.66
26 28 13 00-0032 EA 80 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.20 5.78	8.66
26 28 13 00-0033 EA 90 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.48 5.78	8.66
26 28 13 00-0034 EA 100 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.70 5.78	8.66
26 28 13 00-0035 EA 110 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	163.12 5.78	8.66
26 28 13 00-0036 EA 125 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.30 5.78	8.66
26 28 13 00-0037 EA 150 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.19 6.35	9.53
26 28 13 00-0038 EA 200 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.89 6.35	9.53
26 28 13 00-0039 EA 250 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	215.42 6.35	9.53
26 28 13 00-0040 EA 300 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	232.39 7.80	11.74
26 28 13 00-0041 EA 350 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	249.46 7.80	11.74
26 28 13 00-0042 EA 400 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	193.48 7.80	11.74
26 28 13 00-0043 EA 450 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	424.41 7.80	11.74
26 28 13 00-0044 EA 500 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	403.10 9.53	14.34
26 28 13 00-0045 EA 600 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	315.82 9.53	14.34
<b>26 28 13 00-0046 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses <small>(26 28 13 00-0013)</small></b>		
26 28 13 00-0047 EA 1 Ampere, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.13 4.62	6.93
26 28 13 00-0048 EA 2 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.17 4.62	6.93

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0049	EA		3 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.69 4.62	6.93
26 28 13 00-0050	EA		4 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.51 4.62	6.93
26 28 13 00-0051	EA		5 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.80 4.62	6.93
26 28 13 00-0052	EA		10 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.06 4.62	6.93
26 28 13 00-0053	EA		15 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.35 4.62	6.93
26 28 13 00-0054	EA		20 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.08 4.62	6.93
26 28 13 00-0055	EA		25 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.72 4.62	6.93
26 28 13 00-0056	EA		30 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.25 4.62	6.93
26 28 13 00-0057	EA		35 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.30 4.62	6.93
26 28 13 00-0058	EA		40 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.43 4.62	6.93
26 28 13 00-0059	EA		45 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.41 4.62	6.93
26 28 13 00-0060	EA		50 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.89 4.62	6.93
26 28 13 00-0061	EA		60 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.32 4.62	6.93
<b>26 28 13 00-0062</b>			<b>600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses <small>(26 28 13 00-0013)</small></b>		
26 28 13 00-0063	EA		70 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.11 5.78	8.66
26 28 13 00-0064	EA		80 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.85 6.35	9.53
26 28 13 00-0065	EA		90 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.31 6.35	9.53
26 28 13 00-0066	EA		100 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.73 6.35	9.53
26 28 13 00-0067	EA		110 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.95 6.35	9.53
26 28 13 00-0068	EA		125 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	187.68 6.35	9.53
26 28 13 00-0069	EA		150 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.25 7.80	11.74
26 28 13 00-0070	EA		200 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	185.80 7.80	11.74
26 28 13 00-0071	EA		250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	349.65 7.80	11.74
26 28 13 00-0072	EA		300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	352.90 9.53	14.34
26 28 13 00-0073	EA		350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	397.15 9.53	14.34
26 28 13 00-0074	EA		400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	360.42 9.53	14.34
26 28 13 00-0075	EA		450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	642.42 9.53	14.34
26 28 13 00-0076	EA		500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	574.30 11.55	17.33
26 28 13 00-0077	EA		600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	501.86 11.55	17.33
<b>26 28 13 00-0078</b>			<b>600 Volt AC, Class CC Midget Fuses <small>(26 28 13)</small></b> Note: 250/300 Volt DC.		
26 28 13 00-0079	EA		1 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.06 4.62	6.93
26 28 13 00-0080	EA		2 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.55 4.62	6.93
26 28 13 00-0081	EA		3 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.41 4.62	6.93
26 28 13 00-0082	EA		5 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.25 4.62	6.93
26 28 13 00-0083	EA		6 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.58 4.62	6.93
26 28 13 00-0084	EA		8 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.86 4.62	6.93
26 28 13 00-0085	EA		10 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.23 4.62	6.93
26 28 13 00-0086	EA		15 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.27 4.62	6.93
26 28 13 00-0087	EA		20 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.66 4.62	6.93
26 28 13 00-0088	EA		25 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.27 4.62	6.93
26 28 13 00-0089	EA		30 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.45 4.62	6.93

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 28 13 00-0090	200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse <sup>(26 13)</sup>		
26 28 13 00-0091	EA 1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....43.35	43.35	4.81
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.89	
26 28 13 00-0092	EA 3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....43.67	43.67	4.81
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.89	
26 28 13 00-0093	EA 6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....38.25	38.25	5.78
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47	
26 28 13 00-0094	EA 10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....38.55	38.55	7.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.33	
26 28 13 00-0095	EA 15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....39.32	39.32	7.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.33	
26 28 13 00-0096	EA 20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....38.63	38.63	7.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.33	
26 28 13 00-0097	EA 25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....49.36	49.36	9.63
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.78	
26 28 13 00-0098	EA 30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....41.62	41.62	9.63
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.78	
26 28 13 00-0099	EA 35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....70.50	70.50	9.63
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.78	
26 28 13 00-0100	EA 40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....60.55	60.55	9.63
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.78	
26 28 13 00-0101	EA 45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....68.97	68.97	9.63
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.78	
26 28 13 00-0102	EA 50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....62.35	62.35	12.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.22	
26 28 13 00-0103	EA 60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....61.28	61.28	12.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.22	
26 28 13 00-0104	EA 70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....93.79	93.79	14.44
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 28 13 00-0105	EA 80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....99.70	99.70	14.44
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 28 13 00-0106	EA 90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....98.19	98.19	14.44
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 28 13 00-0107	EA 100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....87.34	87.34	16.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.11	
26 28 13 00-0108	EA 110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....197.46	197.46	16.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.11	
26 28 13 00-0109	EA 125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....168.60	168.60	16.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.11	
26 28 13 00-0110	EA 150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....161.77	161.77	19.25
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 28 13 00-0111	EA 175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....164.07	164.07	19.25
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 28 13 00-0112	EA 200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....137.22	137.22	19.25
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 28 13 00-0113	EA 225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....337.96	337.96	19.25
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 28 13 00-0114	EA 250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....312.91	312.91	19.25
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 28 13 00-0115	EA 300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....288.80	288.80	19.25
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 28 13 00-0116	EA 350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....314.46	314.46	19.25
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 28 13 00-0117	EA 400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....261.40	261.40	21.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.00	
26 28 13 00-0118	EA 450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....547.67	547.67	21.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.00	
26 28 13 00-0119	EA 500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....466.62	466.62	24.07
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
26 28 13 00-0120	EA 600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse .....349.01	349.01	24.07
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
26 28 13 00-0121	600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses <sup>(26 28 13)</sup>		
26 28 13 00-0122	EA 100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....1,038.69	1,038.69	12.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.22	
26 28 13 00-0123	EA 150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....1,040.73	1,040.73	12.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.22	
26 28 13 00-0124	EA 200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....1,042.64	1,042.64	12.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.22	
26 28 13 00-0125	EA 250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....1,040.13	1,040.13	14.44
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 28 13 00-0126	EA 300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....958.34	958.34	14.44
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 28 13 00-0127	EA 350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....1,025.92	1,025.92	16.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.11	
26 28 13 00-0128	EA 400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....944.72	944.72	16.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.11	
26 28 13 00-0129	EA 450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....1,055.92	1,055.92	16.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.11	
26 28 13 00-0130	EA 500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....1,035.43	1,035.43	16.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.11	
26 28 13 00-0131	EA 600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....922.47	922.47	19.25
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 28 13 00-0132	EA 601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....947.12	947.12	19.25
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0133	EA		650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....	1,256.87	19.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 28 13 00-0134	EA		700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....	918.01	19.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 28 13 00-0135	EA		750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....	1,406.75	21.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.00	
26 28 13 00-0136	EA		800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....	813.66	21.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.00	
26 28 13 00-0137	EA		900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....	1,184.50	21.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.00	
26 28 13 00-0138	EA		1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....	800.11	21.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.00	
26 28 13 00-0139	EA		1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....	823.68	21.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.00	
26 28 13 00-0140	EA		1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....	1,821.25	21.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.00	
26 28 13 00-0141	EA		1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....	1,795.78	21.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.00	
26 28 13 00-0142	EA		1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....	1,620.99	21.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.00	
26 28 13 00-0143	EA		1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....	1,016.68	24.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
26 28 13 00-0144	EA		1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....	2,144.60	24.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
26 28 13 00-0145	EA		2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....	1,376.20	24.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
26 28 13 00-0146	EA		2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....	1,857.23	24.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
26 28 13 00-0147	EA		2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....	3,157.50	24.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
26 28 13 00-0148	EA		3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....	2,070.29	26.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.89	
26 28 13 00-0149	EA		3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....	4,270.62	26.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.89	
26 28 13 00-0150	EA		3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....	4,953.79	26.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.89	
26 28 13 00-0151	EA		4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....	2,868.71	26.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.89	
26 28 13 00-0152	EA		5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....	4,521.47	26.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.89	
26 28 13 00-0153	EA		6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse .....	7,478.24	26.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.89	

**26 28 16 Enclosed Switches and Circuit Breakers (26 28)****26 28 16 13 Enclosed Circuit Breakers (26 28 16)****26 28 16 13-0001 Branch Circuit Breakers (26 28 16 13)**

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

**26 28 16 13-0002 Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On (26 28**

16 13-0001)

Note: Includes connection of electrical wire.

26 28 16 13-0003	EA		1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	45.26	17.33
			<i>For Bolt-On, Add</i>	12.40	
			<i>For Installation In New Panelboard, Deduct</i>	-9.63	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 28 16 13-0004	EA		1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	45.26	17.33
			<i>For Bolt-On, Add</i>	12.40	
			<i>For Installation In New Panelboard, Deduct</i>	-9.63	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 28 16 13-0005	EA		1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	63.70	21.66
			<i>For Bolt-On, Add</i>	16.39	
			<i>For Installation In New Panelboard, Deduct</i>	-12.03	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
26 28 16 13-0006	EA		1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	90.47	21.66
			<i>For Bolt-On, Add</i>	19.73	
			<i>For Installation In New Panelboard, Deduct</i>	-12.03	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
26 28 16 13-0007	EA		1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	121.08	21.66
			<i>For Bolt-On, Add</i>	23.56	
			<i>For Installation In New Panelboard, Deduct</i>	-12.03	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
26 28 16 13-0008	EA		1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	138.53	21.66
			<i>For Bolt-On, Add</i>	25.74	
			<i>For Installation In New Panelboard, Deduct</i>	-12.03	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
26 28 16 13-0009	EA		1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	73.61	21.66
			<i>For Bolt-On, Add</i>	17.62	
			<i>For Installation In New Panelboard, Deduct</i>	-12.03	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 28 16 13-0010	EA		2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....73.33		25.99
				<i>For Bolt-On, Add</i>	19.27	
				<i>For Installation In New Panelboard, Deduct</i>	-14.44	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.33	
	26 28 16 13-0011	EA		2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....73.33		25.99
				<i>For Bolt-On, Add</i>	19.27	
				<i>For Installation In New Panelboard, Deduct</i>	-14.44	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.33	
	26 28 16 13-0012	EA		2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....108.14		34.66
				<i>For Bolt-On, Add</i>	26.99	
				<i>For Installation In New Panelboard, Deduct</i>	-19.25	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
	26 28 16 13-0013	EA		2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....171.53		43.32
				<i>For Bolt-On, Add</i>	38.29	
				<i>For Installation In New Panelboard, Deduct</i>	-24.07	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.88	
	26 28 16 13-0014	EA		2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....200.35		48.13
				<i>For Bolt-On, Add</i>	43.57	
				<i>For Installation In New Panelboard, Deduct</i>	-26.47	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.76	
	26 28 16 13-0015	EA		2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....164.93		30.81
				<i>For Bolt-On, Add</i>	32.75	
				<i>For Installation In New Panelboard, Deduct</i>	-17.33	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
	26 28 16 13-0016	EA		2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity .....215.00		30.81
				<i>For Bolt-On, Add</i>	39.00	
				<i>For Installation In New Panelboard, Deduct</i>	-17.33	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
	26 28 16 13-0017	EA		3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....131.50		34.66
				<i>For Bolt-On, Add</i>	29.91	
				<i>For Installation In New Panelboard, Deduct</i>	-19.25	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
	26 28 16 13-0018	EA		3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....131.50		34.66
				<i>For Bolt-On, Add</i>	29.91	
				<i>For Installation In New Panelboard, Deduct</i>	-19.25	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
	26 28 16 13-0019	EA		3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....171.23		43.32
				<i>For Bolt-On, Add</i>	38.25	
				<i>For Installation In New Panelboard, Deduct</i>	-24.07	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.88	
	26 28 16 13-0020	EA		3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....251.72		51.98
				<i>For Bolt-On, Add</i>	51.68	
				<i>For Installation In New Panelboard, Deduct</i>	-28.88	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.65	
	26 28 16 13-0021	EA		3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....318.09		60.65
				<i>For Bolt-On, Add</i>	63.35	
				<i>For Installation In New Panelboard, Deduct</i>	-33.69	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.43	
	26 28 16 13-0022	<b>Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On</b> <small>(26 28 16 13-0001)</small>				
				<i>Note: Includes connection of electrical wire.</i>		
	26 28 16 13-0023	EA		1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....61.12		17.33
				<i>For Bolt-On, Add</i>	14.38	
				<i>For Installation In New Panelboard, Deduct</i>	-9.63	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
	26 28 16 13-0024	EA		1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....61.12		17.33
				<i>For Bolt-On, Add</i>	14.38	
				<i>For Installation In New Panelboard, Deduct</i>	-9.63	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
	26 28 16 13-0025	EA		1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....104.25		21.66
				<i>For Bolt-On, Add</i>	21.45	
				<i>For Installation In New Panelboard, Deduct</i>	-12.03	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
	26 28 16 13-0026	EA		1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....155.71		21.66
				<i>For Bolt-On, Add</i>	27.89	
				<i>For Installation In New Panelboard, Deduct</i>	-12.03	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
	26 28 16 13-0027	EA		2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....115.09		25.99
				<i>For Bolt-On, Add</i>	24.49	
				<i>For Installation In New Panelboard, Deduct</i>	-14.44	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.33	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0028	EA		2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	115.09	25.99
			<i>For Bolt-On, Add</i>	24.49	
			<i>For Installation In New Panelboard, Deduct</i>	-14.44	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.33	
26 28 16 13-0029	EA		2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	217.85	34.66
			<i>For Bolt-On, Add</i>	40.71	
			<i>For Installation In New Panelboard, Deduct</i>	-19.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
26 28 16 13-0030	EA		2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	294.73	43.32
			<i>For Bolt-On, Add</i>	53.69	
			<i>For Installation In New Panelboard, Deduct</i>	-24.07	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.88	
26 28 16 13-0031	EA		2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	424.59	48.13
			<i>For Bolt-On, Add</i>	71.60	
			<i>For Installation In New Panelboard, Deduct</i>	-26.47	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.76	
26 28 16 13-0032	EA		3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	179.94	34.66
			<i>For Bolt-On, Add</i>	35.97	
			<i>For Installation In New Panelboard, Deduct</i>	-19.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
26 28 16 13-0033	EA		3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	179.94	34.66
			<i>For Bolt-On, Add</i>	35.97	
			<i>For Installation In New Panelboard, Deduct</i>	-19.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
26 28 16 13-0034	EA		3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	264.60	43.32
			<i>For Bolt-On, Add</i>	49.92	
			<i>For Installation In New Panelboard, Deduct</i>	-24.07	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.88	
26 28 16 13-0035	EA		3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	371.32	51.98
			<i>For Bolt-On, Add</i>	66.63	
			<i>For Installation In New Panelboard, Deduct</i>	-28.88	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.65	
26 28 16 13-0036	EA		3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	564.43	60.65
			<i>For Bolt-On, Add</i>	94.14	
			<i>For Installation In New Panelboard, Deduct</i>	-33.69	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.43	
26 28 16 13-0037	EA		3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	648.69	64.98
			<i>For Bolt-On, Add</i>	106.35	
			<i>For Installation In New Panelboard, Deduct</i>	-36.10	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.32	
26 28 16 13-0038	EA		3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	696.64	69.31
			<i>For Bolt-On, Add</i>	114.03	
			<i>For Installation In New Panelboard, Deduct</i>	-38.51	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.21	
26 28 16 13-0039	EA		3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	819.91	73.63
			<i>For Bolt-On, Add</i>	131.13	
			<i>For Installation In New Panelboard, Deduct</i>	-40.91	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.10	
26 28 16 13-0040			<b>Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On</b> <small>(26 28 16 13-0001)</small>		
			<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0041	EA		15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	71.54	17.33
			<i>For Bolt-On, Add</i>	15.68	
			<i>For Installation In New Panelboard, Deduct</i>	-9.63	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 28 16 13-0042	EA		35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	71.54	17.33
			<i>For Bolt-On, Add</i>	15.68	
			<i>For Installation In New Panelboard, Deduct</i>	-9.63	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 28 16 13-0043	EA		70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	114.54	21.66
			<i>For Bolt-On, Add</i>	22.74	
			<i>For Installation In New Panelboard, Deduct</i>	-12.03	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
26 28 16 13-0044	EA		15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	142.25	25.99
			<i>For Bolt-On, Add</i>	27.89	
			<i>For Installation In New Panelboard, Deduct</i>	-14.44	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.33	
26 28 16 13-0045	EA		35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	142.25	25.99
			<i>For Bolt-On, Add</i>	27.89	
			<i>For Installation In New Panelboard, Deduct</i>	-14.44	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.33	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 28 16 13-0046	EA		70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....243.90		34.66
				<i>For Bolt-On, Add</i>	43.96	
				<i>For Installation In New Panelboard, Deduct</i>	-19.25	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
	26 28 16 13-0047	EA		110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....601.82		43.32
				<i>For Bolt-On, Add</i>	92.07	
				<i>For Installation In New Panelboard, Deduct</i>	-24.07	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.88	
	26 28 16 13-0048	EA		15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....224.77		34.66
				<i>For Bolt-On, Add</i>	41.57	
				<i>For Installation In New Panelboard, Deduct</i>	-19.25	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
	26 28 16 13-0049	EA		35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....224.77		34.66
				<i>For Bolt-On, Add</i>	41.57	
				<i>For Installation In New Panelboard, Deduct</i>	-19.25	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
	26 28 16 13-0050	EA		70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....297.23		43.32
				<i>For Bolt-On, Add</i>	54.00	
				<i>For Installation In New Panelboard, Deduct</i>	-24.07	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.88	
	26 28 16 13-0051	EA		110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....744.16		51.98
				<i>For Bolt-On, Add</i>	113.23	
				<i>For Installation In New Panelboard, Deduct</i>	-28.88	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.65	
	<b>26 28 16 13-0052</b>			<b>Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On <small>(26 28 16 13-0001)</small></b>		
				<i>Note: Includes connection of electrical wire.</i>		
	26 28 16 13-0053	EA		15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....80.39		17.33
				<i>For Bolt-On, Add</i>	16.79	
				<i>For Installation In New Panelboard, Deduct</i>	-9.63	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
	26 28 16 13-0054	EA		35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....80.39		17.33
				<i>For Bolt-On, Add</i>	16.79	
				<i>For Installation In New Panelboard, Deduct</i>	-9.63	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
	26 28 16 13-0055	EA		70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....95.39		21.66
				<i>For Bolt-On, Add</i>	20.35	
				<i>For Installation In New Panelboard, Deduct</i>	-12.03	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
	26 28 16 13-0056	EA		15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....154.53		21.66
				<i>For Bolt-On, Add</i>	27.74	
				<i>For Installation In New Panelboard, Deduct</i>	-12.03	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
	26 28 16 13-0057	EA		15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....165.34		25.99
				<i>For Bolt-On, Add</i>	30.78	
				<i>For Installation In New Panelboard, Deduct</i>	-14.44	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.33	
	26 28 16 13-0058	EA		35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....165.34		25.99
				<i>For Bolt-On, Add</i>	30.78	
				<i>For Installation In New Panelboard, Deduct</i>	-14.44	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.33	
	26 28 16 13-0059	EA		70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....202.06		34.66
				<i>For Bolt-On, Add</i>	38.73	
				<i>For Installation In New Panelboard, Deduct</i>	-19.25	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
	26 28 16 13-0060	EA		110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....287.99		43.32
				<i>For Bolt-On, Add</i>	52.84	
				<i>For Installation In New Panelboard, Deduct</i>	-24.07	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.88	
	26 28 16 13-0061	EA		150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....368.30		48.13
				<i>For Bolt-On, Add</i>	64.57	
				<i>For Installation In New Panelboard, Deduct</i>	-26.47	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.76	
	26 28 16 13-0062	EA		250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....458.26		56.32
				<i>For Bolt-On, Add</i>	79.18	
				<i>For Installation In New Panelboard, Deduct</i>	-31.29	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.54	
	26 28 16 13-0063	EA		300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....496.53		64.98
				<i>For Bolt-On, Add</i>	87.33	
				<i>For Installation In New Panelboard, Deduct</i>	-36.10	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.32	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0064	EA		15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	202.45	34.66
			<i>For Bolt-On, Add</i>	38.78	
			<i>For Installation In New Panelboard, Deduct</i>	-19.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
26 28 16 13-0065	EA		35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	202.45	34.66
			<i>For Bolt-On, Add</i>	38.78	
			<i>For Installation In New Panelboard, Deduct</i>	-19.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
26 28 16 13-0066	EA		70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	238.81	43.32
			<i>For Bolt-On, Add</i>	46.70	
			<i>For Installation In New Panelboard, Deduct</i>	-24.07	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.88	
26 28 16 13-0067	EA		110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	356.03	51.98
			<i>For Bolt-On, Add</i>	64.72	
			<i>For Installation In New Panelboard, Deduct</i>	-28.88	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.65	
26 28 16 13-0068	EA		150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	466.77	67.39
			<i>For Bolt-On, Add</i>	84.46	
			<i>For Installation In New Panelboard, Deduct</i>	-37.30	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.76	
26 28 16 13-0069	EA		250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	574.21	77.97
			<i>For Bolt-On, Add</i>	102.10	
			<i>For Installation In New Panelboard, Deduct</i>	-43.32	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.98	
26 28 16 13-0070	EA		300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	610.35	82.78
			<i>For Bolt-On, Add</i>	108.30	
			<i>For Installation In New Panelboard, Deduct</i>	-45.73	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.87	
26 28 16 13-0071			<b>Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On <sup>(26 28</sup></b>		
			<sup>16 13-0001)</sup>		
			<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0072	EA		15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	171.11	25.99
			<i>For Installation In New Panelboard, Deduct</i>	-14.44	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	31.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.33	
26 28 16 13-0073	EA		35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	171.11	25.99
			<i>For Installation In New Panelboard, Deduct</i>	-14.44	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	31.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.33	
26 28 16 13-0074	EA		70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	257.83	34.66
			<i>For Installation In New Panelboard, Deduct</i>	-19.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	45.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
26 28 16 13-0075	EA		110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	412.61	43.32
			<i>For Installation In New Panelboard, Deduct</i>	-24.07	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	68.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.88	
26 28 16 13-0076	EA		150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	636.35	53.91
			<i>For Installation In New Panelboard, Deduct</i>	-30.08	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	100.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.10	
26 28 16 13-0077	EA		250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity.....	718.90	56.32
			<i>For Installation In New Panelboard, Deduct</i>	-31.29	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	111.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.54	
26 28 16 13-0078	EA		300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	787.17	64.98
			<i>For Installation In New Panelboard, Deduct</i>	-36.10	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	123.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.32	
26 28 16 13-0079	EA		15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	244.60	34.66
			<i>For Installation In New Panelboard, Deduct</i>	-19.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	44.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
26 28 16 13-0080	EA		35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	244.60	34.66
			<i>For Installation In New Panelboard, Deduct</i>	-19.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	44.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
26 28 16 13-0081	EA		70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	307.96	43.32
			<i>For Installation In New Panelboard, Deduct</i>	-24.07	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	55.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.88	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0082 EA 110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	512.38	51.98
For Installation In New Panelboard, Deduct	-28.88	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	84.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.65	
26 28 16 13-0083 EA 150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	744.63	67.39
For Installation In New Panelboard, Deduct	-37.30	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	119.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.76	
26 28 16 13-0084 EA 250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	878.92	77.97
For Installation In New Panelboard, Deduct	-43.32	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	140.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.98	
26 28 16 13-0085 EA 300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	949.94	82.78
For Installation In New Panelboard, Deduct	-45.73	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	150.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.87	
<b>26 28 16 13-0086 Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On <sup>(26 28)</sup></b>		
<small><sup>16 13-0001</sup></small> Note: Includes connection of electrical wire.		
26 28 16 13-0087 EA 2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	176.84	25.99
For Bolt-On, Add	32.21	
For Installation In New Panelboard, Deduct	-14.44	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.33	
26 28 16 13-0088 EA 2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	176.84	25.99
For Bolt-On, Add	32.21	
For Installation In New Panelboard, Deduct	-14.44	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.33	
26 28 16 13-0089 EA 2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	310.76	34.66
For Bolt-On, Add	52.32	
For Installation In New Panelboard, Deduct	-19.25	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.10	
26 28 16 13-0090 EA 2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	559.36	43.32
For Bolt-On, Add	86.77	
For Installation In New Panelboard, Deduct	-24.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.88	
26 28 16 13-0091 EA 2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	878.93	53.91
For Bolt-On, Add	130.92	
For Installation In New Panelboard, Deduct	-30.08	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.10	
26 28 16 13-0092 EA 2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	997.89	56.32
For Bolt-On, Add	146.64	
For Installation In New Panelboard, Deduct	-31.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.54	
26 28 16 13-0093 EA 2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,088.24	64.98
For Bolt-On, Add	161.30	
For Installation In New Panelboard, Deduct	-36.10	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.32	
26 28 16 13-0094 EA 3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	284.29	34.66
For Bolt-On, Add	49.01	
For Installation In New Panelboard, Deduct	-19.25	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.10	
26 28 16 13-0095 EA 3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	284.29	34.66
For Bolt-On, Add	49.01	
For Installation In New Panelboard, Deduct	-19.25	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.10	
26 28 16 13-0096 EA 3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	376.77	43.32
For Bolt-On, Add	63.94	
For Installation In New Panelboard, Deduct	-24.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.88	
26 28 16 13-0097 EA 3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	680.05	51.98
For Bolt-On, Add	105.22	
For Installation In New Panelboard, Deduct	-28.88	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.65	
26 28 16 13-0098 EA 3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	859.90	67.39
For Bolt-On, Add	133.60	
For Installation In New Panelboard, Deduct	-37.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.76	
26 28 16 13-0099 EA 3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,357.94	77.97
For Bolt-On, Add	200.06	
For Installation In New Panelboard, Deduct	-43.32	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.98	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0100	EA		3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,445.90	82.78
			<i>For Bolt-On, Add</i>	212.75	
			<i>For Installation In New Panelboard, Deduct</i>	-45.73	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.87	
<b>26 28 16 13-0101</b>			<b>Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On</b> <small>(26 28 16 13-0001)</small>		
			<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0102	EA		1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	94.84	17.33
			<i>For Installation In New Panelboard, Deduct</i>	-9.63	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	18.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 28 16 13-0103	EA		1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	94.84	17.33
			<i>For Installation In New Panelboard, Deduct</i>	-9.63	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	18.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 28 16 13-0104	EA		1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	160.09	21.66
			<i>For Installation In New Panelboard, Deduct</i>	-12.03	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	28.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
26 28 16 13-0105	EA		2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	200.32	25.99
			<i>For Installation In New Panelboard, Deduct</i>	-14.44	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	35.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.33	
26 28 16 13-0106	EA		2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	200.32	25.99
			<i>For Installation In New Panelboard, Deduct</i>	-14.44	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	35.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.33	
26 28 16 13-0107	EA		2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	359.34	34.66
			<i>For Installation In New Panelboard, Deduct</i>	-19.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	58.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
26 28 16 13-0108	EA		2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	656.39	43.32
			<i>For Installation In New Panelboard, Deduct</i>	-24.07	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	98.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.88	
26 28 16 13-0109	EA		2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	1,262.18	53.91
			<i>For Installation In New Panelboard, Deduct</i>	-30.08	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	178.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.10	
26 28 16 13-0110	EA		3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	326.65	34.66
			<i>For Installation In New Panelboard, Deduct</i>	-19.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	54.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
26 28 16 13-0111	EA		3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	326.65	34.66
			<i>For Installation In New Panelboard, Deduct</i>	-19.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	54.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
26 28 16 13-0112	EA		3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	435.62	43.32
			<i>For Installation In New Panelboard, Deduct</i>	-24.07	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	71.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.88	
26 28 16 13-0113	EA		3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	807.96	51.98
			<i>For Installation In New Panelboard, Deduct</i>	-28.88	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	121.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.65	
26 28 16 13-0114	EA		3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	1,569.23	67.39
			<i>For Installation In New Panelboard, Deduct</i>	-37.30	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	222.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.76	
<b>26 28 16 13-0115</b>			<b>Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On</b> <small>(26 28 16 13-0001)</small>		
			<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0116	EA		15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	135.54	17.33
			<i>For Installation In New Panelboard, Deduct</i>	-9.63	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	23.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	
26 28 16 13-0117	EA		35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity .....	135.54	17.33
			<i>For Installation In New Panelboard, Deduct</i>	-9.63	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Bolt-On, Add</i>	23.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0118 EA 70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	203.38	21.66
For Installation In New Panelboard, Deduct	-12.03	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	33.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.44	
26 28 16 13-0119 EA 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	247.41	25.99
For Installation In New Panelboard, Deduct	-14.44	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	41.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.33	
26 28 16 13-0120 EA 35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	247.41	25.99
For Installation In New Panelboard, Deduct	-14.44	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	41.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.33	
26 28 16 13-0121 EA 70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	460.71	34.66
For Installation In New Panelboard, Deduct	-19.25	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	71.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.10	
26 28 16 13-0122 EA 110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	828.40	43.32
For Installation In New Panelboard, Deduct	-24.07	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	120.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.88	
26 28 16 13-0123 EA 150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	1,636.32	48.13
For Installation In New Panelboard, Deduct	-26.47	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	223.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.76	
26 28 16 13-0124 EA 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	421.02	34.66
For Installation In New Panelboard, Deduct	-19.25	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	66.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.10	
26 28 16 13-0125 EA 35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	421.02	34.66
For Installation In New Panelboard, Deduct	-19.25	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	66.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.10	
26 28 16 13-0126 EA 70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	581.42	43.32
For Installation In New Panelboard, Deduct	-24.07	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	89.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.88	
26 28 16 13-0127 EA 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	935.86	51.98
For Installation In New Panelboard, Deduct	-28.88	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	137.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.65	
26 28 16 13-0128 EA 150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	2,067.78	67.39
For Installation In New Panelboard, Deduct	-37.30	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	284.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.76	
<b>26 28 16 13-0129 Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On <sup>(26 28</sup></b>		
<sup>16 13-0001)</sup>		
Note: Includes connection of electrical wire.		
26 28 16 13-0130 EA 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....	65.28	17.33
For Installation In New Panelboard, Deduct	-9.63	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	14.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55	
26 28 16 13-0131 EA 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....	133.21	25.99
For Installation In New Panelboard, Deduct	-14.44	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	26.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.33	
26 28 16 13-0132 EA 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....	208.43	34.66
For Installation In New Panelboard, Deduct	-19.25	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	39.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.10	
26 28 16 13-0133 EA 15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....	128.57	17.33
For Installation In New Panelboard, Deduct	-9.63	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	22.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55	
26 28 16 13-0134 EA 35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....	128.57	17.33
For Installation In New Panelboard, Deduct	-9.63	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	22.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55	
26 28 16 13-0135 EA 70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....	256.07	34.66
For Installation In New Panelboard, Deduct	-19.25	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	45.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.10	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 28 16 13-0136	EA	15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	286.20	25.99
		<i>For Installation In New Panelboard, Deduct</i>	-14.44	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	45.88	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.33	
26 28 16 13-0137	EA	35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	286.20	25.99
		<i>For Installation In New Panelboard, Deduct</i>	-14.44	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	45.88	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.33	
26 28 16 13-0138	EA	70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	548.14	34.66
		<i>For Installation In New Panelboard, Deduct</i>	-19.25	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	81.99	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
26 28 16 13-0139	EA	110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	925.43	43.32
		<i>For Installation In New Panelboard, Deduct</i>	-24.07	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	132.52	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.88	
26 28 16 13-0140	EA	150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	2,024.00	53.91
		<i>For Installation In New Panelboard, Deduct</i>	-30.08	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	274.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.10	
26 28 16 13-0141	EA	15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	476.51	34.66
		<i>For Installation In New Panelboard, Deduct</i>	-19.25	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	73.04	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
26 28 16 13-0142	EA	35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	476.51	34.66
		<i>For Installation In New Panelboard, Deduct</i>	-19.25	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	73.04	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.10	
26 28 16 13-0143	EA	70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	661.97	43.32
		<i>For Installation In New Panelboard, Deduct</i>	-24.07	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	99.59	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.88	
26 28 16 13-0144	EA	110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,006.43	51.98
		<i>For Installation In New Panelboard, Deduct</i>	-28.88	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	146.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.65	
26 28 16 13-0145	EA	150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	2,516.73	67.39
		<i>For Installation In New Panelboard, Deduct</i>	-37.30	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	340.70	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.76	

**26 28 16 16 Enclosed Switches (26 28 16)**

26 28 16 16-0001		<b>Motor And Circuit Disconnects (26 28 16 16)</b>		
		<i>Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.</i>		
26 28 16 16-0002		<b>NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0001)</b>		
26 28 16 16-0003		<b>Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002)</b>		
		<i>Note: Includes fuses and neutral bar.</i>		
26 28 16 16-0004		<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)</b>		
26 28 16 16-0005	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	368.26	96.26
26 28 16 16-0006	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	583.46	115.99
26 28 16 16-0007	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	805.09	135.73
26 28 16 16-0008	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,389.38	213.69
26 28 16 16-0009	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,970.92	332.10
26 28 16 16-0010	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,969.64	490.93
26 28 16 16-0011	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,791.84	577.57
26 28 16 16-0012	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,132.31	673.83
26 28 16 16-0013		<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)</b>		
26 28 16 16-0014	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	565.71	106.95
26 28 16 16-0015	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	682.56	128.89

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0016 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,092.71	150.65
26 28 16 16-0017 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,613.60	237.76
26 28 16 16-0018 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	3,540.83	368.88
26 28 16 16-0019 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	5,523.76	545.22
26 28 16 16-0020 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	8,190.33	641.39
26 28 16 16-0021 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	11,206.64	748.71
<b>26 28 16 16-0022 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small></b>		
26 28 16 16-0023 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	521.97	151.13
26 28 16 16-0024 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	772.12	200.71
26 28 16 16-0025 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,045.86	222.84
26 28 16 16-0026 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,654.90	348.95
26 28 16 16-0027 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	3,457.53	572.75
26 28 16 16-0028 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	5,640.79	802.33
<b>26 28 16 16-0029 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small></b>		
26 28 16 16-0030 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	686.03	167.01
26 28 16 16-0031 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	870.55	222.84
26 28 16 16-0032 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,292.88	250.76
26 28 16 16-0033 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,901.99	382.15
26 28 16 16-0034 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	4,266.68	617.04
26 28 16 16-0035 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	6,879.28	891.38
26 28 16 16-0036 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	10,993.62	1,058.87
26 28 16 16-0037 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	14,072.72	1,203.26
<b>26 28 16 16-0038 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small></b>		
26 28 16 16-0039 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	505.09	151.13
26 28 16 16-0040 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	750.31	200.71
26 28 16 16-0041 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,006.18	222.84
26 28 16 16-0042 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,709.47	348.95
26 28 16 16-0043 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	3,765.07	572.75
26 28 16 16-0044 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	6,103.46	802.33
26 28 16 16-0045 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	10,143.49	1,010.74
26 28 16 16-0046 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	12,518.96	1,155.14
<b>26 28 16 16-0047 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small></b>		
26 28 16 16-0048 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	747.95	167.01
26 28 16 16-0049 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	946.65	222.84
26 28 16 16-0050 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,404.15	250.76
26 28 16 16-0051 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	2,068.56	382.15
26 28 16 16-0052 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	4,622.07	617.04
26 28 16 16-0053 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	7,506.93	891.38
26 28 16 16-0054 EA 800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	12,035.68	1,058.87

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0055	EA		1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	15,198.35	1,203.26
26 28 16 16-0056			<b>Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b>		
26 28 16 16-0057			<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0056)</small>		
26 28 16 16-0058	EA		30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	357.58	139.29
26 28 16 16-0059	EA		60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	557.42	193.77
26 28 16 16-0060	EA		100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	772.09	222.84
26 28 16 16-0061	EA		200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,208.92	356.55
26 28 16 16-0062	EA		400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,450.09	594.22
26 28 16 16-0063	EA		600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,020.16	810.33
26 28 16 16-0064	EA		800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,760.07	962.61
26 28 16 16-0065	EA		1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,619.00	1,123.47
26 28 16 16-0066			<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0056)</small>		
26 28 16 16-0067	EA		30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	394.97	153.73
26 28 16 16-0068	EA		60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	631.46	217.46
26 28 16 16-0069	EA		100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	873.03	247.58
26 28 16 16-0070	EA		200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,354.79	387.55
26 28 16 16-0071	EA		400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,636.21	636.67
26 28 16 16-0072	EA		600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,446.57	891.28
26 28 16 16-0073	EA		800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,397.07	962.61
26 28 16 16-0074	EA		1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,491.34	1,123.47
26 28 16 16-0075			<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0056)</small>		
26 28 16 16-0076	EA		30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	415.73	125.14
26 28 16 16-0077	EA		60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	638.32	174.23
26 28 16 16-0078	EA		100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	865.12	200.71
26 28 16 16-0079	EA		200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,358.53	321.03
26 28 16 16-0080	EA		400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,732.34	534.73
26 28 16 16-0081	EA		600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,419.99	729.18
26 28 16 16-0082	EA		800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,650.83	866.35
26 28 16 16-0083	EA		1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,983.42	1,010.74
26 28 16 16-0084			<b>480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0056)</small>		
26 28 16 16-0085	EA		30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	453.38	138.13
26 28 16 16-0086	EA		60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	701.53	195.90
26 28 16 16-0087	EA		100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	942.82	222.84
26 28 16 16-0088	EA		200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,465.53	348.95
26 28 16 16-0089	EA		400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,927.50	572.75
26 28 16 16-0090	EA		600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,777.39	802.33
26 28 16 16-0091	EA		800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,072.31	866.35
26 28 16 16-0092			<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0056)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0093 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	484.81	138.32
26 28 16 16-0094 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	755.11	195.69
26 28 16 16-0095 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,029.97	222.84
26 28 16 16-0096 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,599.77	348.75
26 28 16 16-0097 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,115.27	572.94
26 28 16 16-0098 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,333.09	802.14
26 28 16 16-0099 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,706.64	866.35
26 28 16 16-0100 EA 1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	11,404.73	1,010.74
<b>26 28 16 16-0101 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0096)</small></b>		
26 28 16 16-0102 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	717.54	125.33
26 28 16 16-0103 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	864.67	174.43
26 28 16 16-0104 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,331.98	200.51
26 28 16 16-0105 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,997.05	320.84
<b>26 28 16 16-0106 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0096)</small></b>		
26 28 16 16-0107 EA 30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	776.83	138.13
26 28 16 16-0108 EA 60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	944.08	195.90
26 28 16 16-0109 EA 100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,443.05	222.84
26 28 16 16-0110 EA 200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,149.67	348.95
<b>26 28 16 16-0111 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0096)</small></b>		
26 28 16 16-0112 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	864.29	138.32
26 28 16 16-0113 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,040.55	195.69
26 28 16 16-0114 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,616.53	222.84
26 28 16 16-0115 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,402.38	348.75
<b>26 28 16 16-0116 General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small></b>		
<small>Note: Includes fuses and neutral bar.</small>		
<b>26 28 16 16-0117 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small></b>		
26 28 16 16-0118 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	253.93	83.74
26 28 16 16-0119 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	347.39	100.78
26 28 16 16-0120 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	537.90	117.83
26 28 16 16-0121 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	998.71	185.88
26 28 16 16-0122 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,389.98	288.30
26 28 16 16-0123 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,480.23	426.73
<b>26 28 16 16-0124 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small></b>		
26 28 16 16-0125 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	349.39	131.59
26 28 16 16-0126 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	494.28	174.43
26 28 16 16-0127 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	689.77	193.77
26 28 16 16-0128 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,234.61	303.31
26 28 16 16-0129 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,812.14	498.25

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 28 16 16-0130	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....		5,026.38	697.51
<b>26 28 16 16-0131</b>		<b>240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0116)</small>			
26 28 16 16-0132	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....		390.20	131.59
26 28 16 16-0133	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....		560.08	174.43
26 28 16 16-0134	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....		749.64	193.77
26 28 16 16-0135	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....		1,385.44	303.31
26 28 16 16-0136	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....		3,069.95	498.25
26 28 16 16-0137	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....		5,189.81	697.51
<b>26 28 16 16-0138</b>		<b>General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0002)</small>			
<b>26 28 16 16-0139</b>		<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0138)</small>			
26 28 16 16-0140	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....		346.77	116.47
26 28 16 16-0141	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....		463.55	133.90
26 28 16 16-0142	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....		1,055.34	213.99
26 28 16 16-0143	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....		2,273.11	356.16
26 28 16 16-0144	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....		3,947.48	485.35
<b>26 28 16 16-0145</b>		<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0138)</small>			
26 28 16 16-0146	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....		327.70	108.96
26 28 16 16-0147	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....		448.79	151.61
26 28 16 16-0148	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....		687.94	174.43
26 28 16 16-0149	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....		1,186.07	279.06
26 28 16 16-0150	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....		2,491.80	465.13
26 28 16 16-0151	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....		4,246.62	633.97
<b>26 28 16 16-0152</b>		<b>NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0001)</small>			
<b>26 28 16 16-0153</b>		<b>Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0152)</small>			
		Note: With fuses, neutral bar, and hub if required.			
<b>26 28 16 16-0154</b>		<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0153)</small>			
26 28 16 16-0155	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....		543.48	113.10
26 28 16 16-0156	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....		868.73	135.73
26 28 16 16-0157	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....		1,086.88	157.87
26 28 16 16-0158	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....		1,590.03	240.65
26 28 16 16-0159	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....		3,527.21	385.04
26 28 16 16-0160	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....		6,197.01	513.55
26 28 16 16-0161	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....		9,309.28	577.57
26 28 16 16-0162	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....		12,344.34	673.83
<b>26 28 16 16-0163</b>		<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0153)</small>			
26 28 16 16-0164	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....		939.48	150.75
26 28 16 16-0165	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....		1,118.23	184.82

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0166 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,591.86	212.25
26 28 16 16-0167 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,241.02	318.34
26 28 16 16-0168 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,892.96	520.87
26 28 16 16-0169 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,020.77	716.27
26 28 16 16-0170 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,284.24	824.77
26 28 16 16-0171 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	14,632.04	928.43
<b>26 28 16 16-0172 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26)</sup></b>		
26 28 16 16-0173 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	690.11	178.09
26 28 16 16-0174 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,099.83	235.84
26 28 16 16-0175 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,327.98	258.94
26 28 16 16-0176 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,967.46	400.93
26 28 16 16-0177 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,273.53	668.53
26 28 16 16-0178 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,149.78	891.38
<b>26 28 16 16-0179 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26)</sup></b>		
26 28 16 16-0180 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,062.09	211.10
26 28 16 16-0181 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,266.56	258.75
26 28 16 16-0182 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,700.36	297.06
26 28 16 16-0183 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,468.73	445.69
26 28 16 16-0184 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,218.50	729.27
26 28 16 16-0185 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,455.98	1,002.75
26 28 16 16-0186 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,410.73	1,155.14
26 28 16 16-0187 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	16,061.06	1,299.53
<b>26 28 16 16-0188 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26)</sup></b>		
26 28 16 16-0189 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	759.30	178.09
26 28 16 16-0190 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,101.83	235.84
26 28 16 16-0191 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,425.28	258.94
26 28 16 16-0192 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,032.35	400.93
26 28 16 16-0193 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,333.06	668.53
26 28 16 16-0194 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,804.56	891.38
26 28 16 16-0195 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,071.68	1,010.74
26 28 16 16-0196 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	16,304.04	1,155.14
<b>26 28 16 16-0197 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26)</sup></b>		
26 28 16 16-0198 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,101.79	211.29
26 28 16 16-0199 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,311.20	258.94
26 28 16 16-0200 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,799.57	296.97
26 28 16 16-0201 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,533.22	445.69
26 28 16 16-0202 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,451.64	729.18
26 28 16 16-0203 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,723.84	1,002.56

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 28 16 16-0204	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	14,254.19		1,155.14
26 28 16 16-0205	EA	1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	17,172.85		1,299.53
26 28 16 16-0206		<b>Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0152)</small>			
26 28 16 16-0207		<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0206)</small>			
26 28 16 16-0208	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	516.79		99.06
26 28 16 16-0209	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	846.27		137.17
26 28 16 16-0210	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,115.01		157.29
26 28 16 16-0211	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,478.97		254.71
26 28 16 16-0212	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,307.12		424.89
26 28 16 16-0213	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,051.85		566.50
26 28 16 16-0214	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,760.47		674.12
26 28 16 16-0215	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	12,897.20		770.37
26 28 16 16-0216		<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0206)</small>			
26 28 16 16-0217	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	582.08		109.16
26 28 16 16-0218	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	959.31		152.77
26 28 16 16-0219	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,259.55		172.50
26 28 16 16-0220	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,642.98		267.41
26 28 16 16-0221	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,756.95		445.69
26 28 16 16-0222	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,535.75		594.22
26 28 16 16-0223	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,410.57		706.18
26 28 16 16-0224	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	13,751.54		802.14
26 28 16 16-0225		<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0206)</small>			
26 28 16 16-0226	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	615.83		148.53
26 28 16 16-0227	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	983.40		205.71
26 28 16 16-0228	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,272.29		235.94
26 28 16 16-0229	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,733.63		382.06
26 28 16 16-0230	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,781.83		637.24
26 28 16 16-0231	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,715.95		849.50
26 28 16 16-0232	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,543.58		1,010.74
26 28 16 16-0233	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	13,977.64		1,155.14
26 28 16 16-0234		<b>480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0206)</small>			
26 28 16 16-0235	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	668.90		163.65
26 28 16 16-0236	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,071.28		229.20
26 28 16 16-0237	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,375.13		258.75
26 28 16 16-0238	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,841.08		401.12
26 28 16 16-0239	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,023.22		668.44
26 28 16 16-0240	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,157.36		891.28
26 28 16 16-0241	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,248.37		1,058.87

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0242 EA 1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	14,905.71	1,203.26
<b>26 28 16 16-0243 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small></b>		
26 28 16 16-0244 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	353.24	163.65
26 28 16 16-0245 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,112.11	229.20
26 28 16 16-0246 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,432.06	258.75
26 28 16 16-0247 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,910.36	401.12
26 28 16 16-0248 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	4,202.60	668.44
26 28 16 16-0249 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	7,129.95	891.28
26 28 16 16-0250 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	11,233.02	1,058.87
26 28 16 16-0251 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	14,884.82	1,203.26
<b>26 28 16 16-0252 General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0152)</small></b> Note: With fuses, neutral bar, and hub if required.		
<b>26 28 16 16-0253 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0252)</small></b>		
26 28 16 16-0254 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	329.51	98.37
26 28 16 16-0255 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	467.04	118.02
26 28 16 16-0256 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	616.03	137.27
26 28 16 16-0257 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,270.63	209.27
26 28 16 16-0258 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	3,125.96	334.79
26 28 16 16-0259 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	5,555.62	446.65
<b>26 28 16 16-0260 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0252)</small></b>		
26 28 16 16-0261 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	443.33	155.07
26 28 16 16-0262 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	641.67	205.13
26 28 16 16-0263 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	791.22	225.06
26 28 16 16-0264 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,550.51	348.75
26 28 16 16-0265 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	3,620.75	581.23
26 28 16 16-0266 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	6,220.46	775.29
<b>26 28 16 16-0267 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0252)</small></b>		
26 28 16 16-0268 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	500.53	154.98
26 28 16 16-0269 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	699.02	205.13
26 28 16 16-0270 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	975.88	225.06
26 28 16 16-0271 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,669.77	348.75
26 28 16 16-0272 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	3,697.36	581.32
26 28 16 16-0273 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	6,818.56	775.29
26 28 16 16-0274 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	9,767.26	878.28
<b>26 28 16 16-0275 General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0152)</small></b>		
<b>26 28 16 16-0276 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0275)</small></b>		

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 28 16 16-0277	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....		297.61	86.15
26 28 16 16-0278	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....		489.24	119.27
26 28 16 16-0279	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....		513.10	136.79
26 28 16 16-0280	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....		1,295.48	221.40
26 28 16 16-0281	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....		3,195.93	369.45
26 28 16 16-0282	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....		5,650.15	492.57
<b>26 28 16 16-0283</b>		<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0275)</small>			
26 28 16 16-0284	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....		466.41	129.18
26 28 16 16-0285	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....		672.14	178.86
26 28 16 16-0286	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....		989.85	205.13
26 28 16 16-0287	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....		1,703.58	332.19
<b>26 28 16 16-0288</b>		<b>NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0001)</small>			
<b>26 28 16 16-0289</b>		<b>Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0288)</small>			
		Note: With fuses and neutral bar (stainless steel).			
<b>26 28 16 16-0290</b>		<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>			
26 28 16 16-0291	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....		1,464.06	96.26
26 28 16 16-0292	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....		1,758.67	115.99
26 28 16 16-0293	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....		3,598.29	135.54
26 28 16 16-0294	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....		4,974.16	213.90
26 28 16 16-0295	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....		10,122.95	331.90
26 28 16 16-0296	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....		14,549.57	490.74
<b>26 28 16 16-0297</b>		<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>			
26 28 16 16-0298	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....		1,859.50	106.95
26 28 16 16-0299	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....		2,066.82	128.80
26 28 16 16-0300	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....		3,890.06	150.55
26 28 16 16-0301	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....		5,495.20	237.76
26 28 16 16-0302	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....		10,510.24	369.07
26 28 16 16-0303	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....		15,068.55	545.22
<b>26 28 16 16-0304</b>		<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>			
26 28 16 16-0305	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....		1,640.77	151.32
26 28 16 16-0306	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....		2,055.39	200.51
26 28 16 16-0307	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....		3,937.46	222.84
26 28 16 16-0308	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....		5,593.93	348.75
26 28 16 16-0309	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....		10,918.02	572.94
26 28 16 16-0310	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....		15,582.51	802.14
<b>26 28 16 16-0311</b>		<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>			
26 28 16 16-0312	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....		1,984.95	167.11
26 28 16 16-0313	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....		2,260.45	222.84

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0314	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	4,101.42	250.67
26 28 16 16-0315	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	5,799.24	381.96
26 28 16 16-0316	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	11,272.92	617.04
26 28 16 16-0317	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	16,039.53	891.28
<b>26 28 16 16-0318</b>		<b>240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>		
26 28 16 16-0319	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,964.31	151.32
26 28 16 16-0320	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,459.86	200.51
26 28 16 16-0321	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	4,746.81	222.84
26 28 16 16-0322	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	6,700.67	348.75
26 28 16 16-0323	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	13,096.23	572.94
26 28 16 16-0324	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	18,575.89	802.14
<b>26 28 16 16-0325</b>		<b>600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>		
26 28 16 16-0326	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,367.26	167.11
26 28 16 16-0327	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,693.98	222.84
26 28 16 16-0328	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	4,927.55	250.67
26 28 16 16-0329	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	6,915.23	381.96
26 28 16 16-0330	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	13,480.51	617.04
26 28 16 16-0331	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	19,073.72	891.28
<b>26 28 16 16-0332</b>		<b>Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0288)</small>		
<b>26 28 16 16-0333</b>		<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0334	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,404.36	96.26
26 28 16 16-0335	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,707.75	133.90
26 28 16 16-0336	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,224.08	154.02
26 28 16 16-0337	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	4,470.17	246.04
26 28 16 16-0338	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	8,141.88	409.69
26 28 16 16-0339	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	11,663.88	558.12
<b>26 28 16 16-0340</b>		<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0341	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,597.39	106.18
26 28 16 16-0342	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,945.84	150.17
26 28 16 16-0343	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,674.87	171.16
26 28 16 16-0344	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	5,081.23	267.41
26 28 16 16-0345	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	9,248.79	440.10
26 28 16 16-0346	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	13,286.71	616.07
<b>26 28 16 16-0347</b>		<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0348	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,462.51	125.33
26 28 16 16-0349	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,765.75	174.43

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0350	EA		100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,840.97	200.51
26 28 16 16-0351	EA		200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,557.76	320.84
26 28 16 16-0352	EA		400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	5,047.61	534.83
26 28 16 16-0353	EA		600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	12,353.51	729.27
<b>26 28 16 16-0354</b>			<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0355	EA		30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,661.56	138.32
26 28 16 16-0356	EA		60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,036.89	195.69
26 28 16 16-0357	EA		100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,778.25	222.84
26 28 16 16-0358	EA		200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	5,243.87	348.75
26 28 16 16-0359	EA		400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	10,481.82	572.94
26 28 16 16-0360	EA		600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	14,055.80	802.14
<b>26 28 16 16-0361</b>			<b>240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0362	EA		30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,015.64	125.33
26 28 16 16-0363	EA		60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,414.54	174.43
26 28 16 16-0364	EA		100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	5,452.15	200.51
26 28 16 16-0365	EA		200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	8,315.75	320.84
<b>26 28 16 16-0366</b>			<b>600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0367	EA		30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,293.71	138.32
26 28 16 16-0368	EA		60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,752.19	195.69
26 28 16 16-0369	EA		100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	6,218.29	222.84
26 28 16 16-0370	EA		200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	9,467.83	348.75
<b>26 28 16 16-0371</b>			<b>Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0288)</small>		
<b>26 28 16 16-0372</b>			<b>600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0371)</small>		
26 28 16 16-0373	EA		30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,666.84	167.01
26 28 16 16-0374	EA		60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,036.70	222.84
26 28 16 16-0375	EA		100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	5,472.99	250.76
26 28 16 16-0376	EA		200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	7,118.38	382.15
<b>26 28 16 16-0377</b>			<b>600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0371)</small>		
26 28 16 16-0378	EA		30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,499.07	138.13
26 28 16 16-0379	EA		60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,861.31	195.90
26 28 16 16-0380	EA		100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	5,175.19	222.84
26 28 16 16-0381	EA		200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	7,030.13	348.95
<b>26 28 16 16-0382</b>			<b>Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0288)</small>		
<b>26 28 16 16-0383</b>			<b>600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0382)</small>		
26 28 16 16-0384	EA		30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,051.79	167.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0385 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,467.45	222.84
26 28 16 16-0386 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	6,287.60	250.76
<b>26 28 16 16-0387 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0382)</small></b>		
26 28 16 16-0388 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,863.30	138.13
26 28 16 16-0389 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,269.16	195.90
26 28 16 16-0390 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,957.08	222.84
<b>26 28 16 16-0391 NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 16-0001)</small></b>		
<small>Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.</small>		
<b>26 28 16 16-0392 Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 16-0391)</small></b>		
<small>Note: With fuses and neutral bar.</small>		
26 28 16 16-0393 EA 30 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	2,407.73	192.53
26 28 16 16-0394 EA 60 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	2,717.65	229.20
26 28 16 16-0395 EA 100 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	3,013.36	258.75
26 28 16 16-0396 EA 200 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	6,408.92	401.12
<b>26 28 16 16-0397 Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0391)</small></b>		
26 28 16 16-0398 EA 60 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	1,862.32	229.20
26 28 16 16-0399 EA 100 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	2,180.37	258.75
26 28 16 16-0400 EA 200 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	4,015.72	401.12
<b>26 28 16 16-0401 NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0001)</small></b>		
<b>26 28 16 16-0402 Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0401)</small></b>		
<small>Note: With fuses and neutral bar.</small>		
<b>26 28 16 16-0403 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0404 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	528.35	96.26
26 28 16 16-0405 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	690.91	115.99
26 28 16 16-0406 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	945.01	135.73
26 28 16 16-0407 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,595.37	213.69
26 28 16 16-0408 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	3,416.90	332.10
26 28 16 16-0409 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	6,179.97	490.93
<b>26 28 16 16-0410 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0411 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	833.98	106.85
26 28 16 16-0412 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	858.05	128.99
26 28 16 16-0413 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,239.42	150.65
26 28 16 16-0414 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,938.91	237.76
26 28 16 16-0415 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	4,245.21	368.68
26 28 16 16-0416 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	8,416.22	545.32
<b>26 28 16 16-0417 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0418 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	732.55	151.13
26 28 16 16-0419 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,015.65	200.71
26 28 16 16-0420 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,391.54	222.84
26 28 16 16-0421 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,066.56	348.95
26 28 16 16-0422 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	4,067.65	572.75

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0423	EA		600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,542.00	802.33
<b>26 28 16 16-0424</b>			<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0425	EA		30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	979.11	167.01
26 28 16 16-0426	EA		60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,105.39	222.84
26 28 16 16-0427	EA		100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,637.29	250.76
26 28 16 16-0428	EA		200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,381.08	382.15
26 28 16 16-0429	EA		400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,008.99	617.04
26 28 16 16-0430	EA		600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	9,451.42	891.38
<b>26 28 16 16-0431</b>			<b>240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0432	EA		30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	783.88	151.13
26 28 16 16-0433	EA		60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,050.91	200.71
26 28 16 16-0434	EA		100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,502.22	222.84
26 28 16 16-0435	EA		200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,205.52	348.95
26 28 16 16-0436	EA		400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,439.70	572.75
26 28 16 16-0437	EA		600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,793.34	802.33
<b>26 28 16 16-0438</b>			<b>600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0439	EA		30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,038.61	167.01
26 28 16 16-0440	EA		60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,264.12	222.84
26 28 16 16-0441	EA		100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,746.43	250.76
26 28 16 16-0442	EA		200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,589.41	382.15
26 28 16 16-0443	EA		400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,346.29	617.04
26 28 16 16-0444	EA		600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	9,729.20	891.38
<b>26 28 16 16-0445</b>			<b>Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0401)</small></b>		
<b>26 28 16 16-0446</b>			<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small></b>		
26 28 16 16-0447	EA		30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	553.33	139.10
26 28 16 16-0448	EA		60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	733.08	193.97
26 28 16 16-0449	EA		100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	974.65	222.84
26 28 16 16-0450	EA		200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,387.13	356.64
26 28 16 16-0451	EA		400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,065.27	594.41
26 28 16 16-0452	EA		600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,864.01	810.52
<b>26 28 16 16-0453</b>			<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small></b>		
26 28 16 16-0454	EA		30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	616.87	153.54
26 28 16 16-0455	EA		60 Amperes, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	814.63	217.55
26 28 16 16-0456	EA		100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,086.34	247.39
26 28 16 16-0457	EA		200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,507.13	387.45
26 28 16 16-0458	EA		400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,244.95	636.76
26 28 16 16-0459	EA		600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,374.16	891.38

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 28 16 16-0460</b>	<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0461 EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	712.44	125.14
26 28 16 16-0462 EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	936.06	174.23
26 28 16 16-0463 EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,250.65	200.71
26 28 16 16-0464 EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,780.46	321.03
26 28 16 16-0465 EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,769.55	534.73
26 28 16 16-0466 EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,964.06	729.18
<b>26 28 16 16-0467</b>	<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0468 EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	695.28	138.13
26 28 16 16-0469 EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,011.37	195.90
26 28 16 16-0470 EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,338.53	222.84
26 28 16 16-0471 EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,754.11	348.95
26 28 16 16-0472 EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,779.96	572.75
26 28 16 16-0473 EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	7,110.44	802.33
<b>26 28 16 16-0474</b>	<b>240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0475 EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	859.29	125.14
26 28 16 16-0476 EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,019.57	174.23
26 28 16 16-0477 EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,592.76	200.71
26 28 16 16-0478 EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,525.31	321.03
26 28 16 16-0479 EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,590.97	409.11
<b>26 28 16 16-0480</b>	<b>600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0481 EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	891.71	138.13
26 28 16 16-0482 EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,110.58	195.90
26 28 16 16-0483 EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,700.64	222.84
26 28 16 16-0484 EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,592.41	348.95
26 28 16 16-0485 EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,870.21	539.06
<b>26 28 16 16-0486</b>	<b>Double Throw Safety Switches</b> <small>(26 28 16 16-0001)</small>		
<b>26 28 16 16-0487</b>	<b>NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0486)</small>		
<b>26 28 16 16-0488</b>	<b>240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>		
26 28 16 16-0489 EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	662.90	123.69
26 28 16 16-0490 EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	981.48	161.72
26 28 16 16-0491 EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,378.32	211.29
26 28 16 16-0492 EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,838.72	274.82
26 28 16 16-0493 EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,470.00	343.66
26 28 16 16-0494 EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,140.08	551.09
26 28 16 16-0495 EA	800 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,323.50	770.08
26 28 16 16-0496 EA	1,000 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	13,768.33	866.35
26 28 16 16-0497 EA	1,200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	16,229.16	962.61
<b>26 28 16 16-0498</b>	<b>240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>		
26 28 16 16-0499 EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	834.70	173.27
26 28 16 16-0500 EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,166.78	226.21
26 28 16 16-0501 EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,761.06	296.00
26 28 16 16-0502 EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,591.23	385.04

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 28 16 16-0503	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,158.80		481.31
26 28 16 16-0504	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,583.60		770.08
26 28 16 16-0505	EA	800 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,052.03		866.35
26 28 16 16-0506	EA	1,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	14,406.15		962.61
26 28 16 16-0507	EA	1,200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	17,088.59		1,058.87
<b>26 28 16 16-0508</b>		<b>240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>			
26 28 16 16-0509	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,110.52		216.58
26 28 16 16-0510	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,619.05		283.01
26 28 16 16-0511	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,887.22		369.64
26 28 16 16-0512	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,957.67		480.35
26 28 16 16-0513	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,014.75		601.63
26 28 16 16-0514	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,118.87		964.05
26 28 16 16-0515	EA	800 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	12,823.73		1,058.87
26 28 16 16-0516	EA	1,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	17,090.74		1,107.00
26 28 16 16-0517	EA	1,200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	19,179.36		1,155.14
<b>26 28 16 16-0518</b>		<b>600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>			
26 28 16 16-0519	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,136.20		161.72
26 28 16 16-0520	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,711.90		211.29
26 28 16 16-0521	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,527.30		274.82
26 28 16 16-0522	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,992.33		343.66
26 28 16 16-0523	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,852.80		551.09
26 28 16 16-0524	EA	800 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,101.87		770.08
26 28 16 16-0525	EA	1,000 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	14,971.89		866.35
26 28 16 16-0526	EA	1,200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	17,659.56		962.61
<b>26 28 16 16-0527</b>		<b>600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>			
26 28 16 16-0528	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,265.04		226.21
26 28 16 16-0529	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,880.82		296.00
26 28 16 16-0530	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,746.81		385.04
26 28 16 16-0531	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,267.41		481.31
26 28 16 16-0532	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,292.18		770.08
26 28 16 16-0533	EA	800 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,883.96		866.35
26 28 16 16-0534	EA	1,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	15,000.47		962.61
26 28 16 16-0535	EA	1,200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	18,585.69		1,058.87
<b>26 28 16 16-0536</b>		<b>600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>			
26 28 16 16-0537	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,715.86		283.01
26 28 16 16-0538	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,027.35		369.64
26 28 16 16-0539	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,246.90		480.35
26 28 16 16-0540	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,631.52		601.63
26 28 16 16-0541	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,809.81		964.05
26 28 16 16-0542	EA	800 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	13,894.33		1,058.87
26 28 16 16-0543	EA	1,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	18,578.42		1,107.00
26 28 16 16-0544	EA	1,200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	20,866.27		1,155.14
<b>26 28 16 16-0545</b>		<b>NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0486)</small>			
<b>26 28 16 16-0546</b>		<b>240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0545)</small>			
26 28 16 16-0547	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,729.05		211.29
26 28 16 16-0548	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,991.48		274.82
26 28 16 16-0549	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	13,142.14		343.66
26 28 16 16-0550	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	22,639.99		551.09
<b>26 28 16 16-0551</b>		<b>240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0545)</small>			
26 28 16 16-0552	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,264.01		295.52
26 28 16 16-0553	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,666.74		384.56
26 28 16 16-0554	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	13,534.58		481.31
26 28 16 16-0555	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	14,678.08		771.53

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 28 16 16-0556</b>	<b>240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0545)</small>		
26 28 16 16-0557	EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,190.54	216.68
26 28 16 16-0558	EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,714.62	282.82
26 28 16 16-0559	EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,810.03	369.55
26 28 16 16-0560	EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,516.26	480.54
26 28 16 16-0561	EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	9,393.16	601.63
26 28 16 16-0562	EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	10,925.31	964.15
<b>26 28 16 16-0563</b>	<b>600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0545)</small>		
26 28 16 16-0564	EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,468.61	161.72
26 28 16 16-0565	EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,239.62	211.29
26 28 16 16-0566	EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,090.59	274.82
26 28 16 16-0567	EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,893.79	343.66
26 28 16 16-0568	EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	10,537.57	551.09
<b>26 28 16 16-0569</b>	<b>600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0545)</small>		
26 28 16 16-0570	EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,658.37	226.21
26 28 16 16-0571	EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,504.39	295.52
26 28 16 16-0572	EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,496.43	384.56
26 28 16 16-0573	EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,548.19	481.31
26 28 16 16-0574	EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	11,472.93	771.53
<b>26 28 16 16-0575</b>	<b>600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0545)</small>		
26 28 16 16-0576	EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,737.05	282.82
26 28 16 16-0577	EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,820.32	369.55
26 28 16 16-0578	EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,659.09	480.54
26 28 16 16-0579	EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	9,376.30	601.63
26 28 16 16-0580	EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	11,018.26	964.15
<b>26 28 16 16-0581</b>	<b>NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0486)</small>		
<b>26 28 16 16-0582</b>	<b>240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0581)</small>		
26 28 16 16-0583	EA 30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,759.19	123.79
26 28 16 16-0584	EA 60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,990.06	161.62
26 28 16 16-0585	EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,248.30	211.20
26 28 16 16-0586	EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,092.71	274.63
26 28 16 16-0587	EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,799.58	343.75
26 28 16 16-0588	EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,499.22	550.90
<b>26 28 16 16-0589</b>	<b>240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0581)</small>		
26 28 16 16-0590	EA 30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,017.72	173.27
26 28 16 16-0591	EA 60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,384.00	226.21
26 28 16 16-0592	EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,825.76	295.52
26 28 16 16-0593	EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,943.18	384.56
26 28 16 16-0594	EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,214.23	481.31
26 28 16 16-0595	EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	9,516.18	771.53
<b>26 28 16 16-0596</b>	<b>240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0581)</small>		
26 28 16 16-0597	EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,019.84	216.68
26 28 16 16-0598	EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,529.61	282.82
26 28 16 16-0599	EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,841.46	369.55
26 28 16 16-0600	EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,579.35	480.54
26 28 16 16-0601	EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	12,215.40	601.63
26 28 16 16-0602	EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	15,150.85	964.15
<b>26 28 16 16-0603</b>	<b>600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0581)</small>		
26 28 16 16-0604	EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,631.80	161.62
26 28 16 16-0605	EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,762.38	211.20
26 28 16 16-0606	EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,252.83	274.63
26 28 16 16-0607	EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,586.72	343.75
26 28 16 16-0608	EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	10,175.78	550.90
<b>26 28 16 16-0609</b>	<b>600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0581)</small>		
26 28 16 16-0610	EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,882.59	226.21

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0611	EA		100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,054.57	295.52
26 28 16 16-0612	EA		200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,719.66	384.56
26 28 16 16-0613	EA		400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,224.66	481.31
26 28 16 16-0614	EA		600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,091.70	771.53
<b>26 28 16 16-0615</b>			<b>600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> (26 28 16 16-0581)		
26 28 16 16-0616	EA		60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,566.17	282.82
26 28 16 16-0617	EA		100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,111.15	369.55
26 28 16 16-0618	EA		200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,738.31	480.54
26 28 16 16-0619	EA		400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	12,557.55	601.63
26 28 16 16-0620	EA		600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	15,604.37	964.15
<b>26 28 16 16-0621</b>			<b>Removal And Reinstallation Of Disconnect Switches</b> (26 28 16 16-0001) Note: Includes storage and cleaning.		
26 28 16 16-0622	EA		Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch .....	481.31	
26 28 16 16-0623	EA		Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch.....	625.72	
26 28 16 16-0624	EA		Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch.....	697.95	
26 28 16 16-0625	EA		Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch.....	818.27	
<b>26 28 16 16-0626</b>			<b>Bolted Contact Switches</b> (26 28 16 16) Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
<b>26 28 16 16-0627</b>			<b>Electrical Trip, Bolted Contact Switches</b> (26 28 16 16-0626)		
<b>26 28 16 16-0628</b>			<b>Top Feed, Electrical Trip, Bolted Contact Switches</b> (26 28 16 16-0627)		
26 28 16 16-0629	EA		800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480).....	7,207.91	962.61
26 28 16 16-0630	EA		1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480).....	7,819.60	1,155.14
26 28 16 16-0631	EA		1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480).....	8,522.83	1,347.65
26 28 16 16-0632	EA		2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480).....	9,016.84	1,540.18
26 28 16 16-0633	EA		2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480).....	10,182.09	1,732.70
26 28 16 16-0634	EA		3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480).....	12,733.38	1,925.22
26 28 16 16-0635	EA		4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480).....	17,121.15	2,310.26
<b>26 28 16 16-0636</b>			<b>Bottom Feed, Electrical Trip, Bolted Contact Switches</b> (26 28 16 16-0627)		
26 28 16 16-0637	EA		800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480).....	7,630.70	962.61
26 28 16 16-0638	EA		1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480).....	8,325.20	1,155.14
26 28 16 16-0639	EA		1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480).....	9,024.08	1,347.65
26 28 16 16-0640	EA		2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480).....	9,736.02	1,540.18
26 28 16 16-0641	EA		2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480).....	10,957.93	1,732.70
26 28 16 16-0642	EA		3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480).....	14,189.17	1,925.22
26 28 16 16-0643	EA		4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480).....	18,637.96	2,310.26
<b>26 28 16 16-0644</b>			<b>Manually Operated, Bolted Contact Switches</b> (26 28 16 16-0626)		
<b>26 28 16 16-0645</b>			<b>Top Feed, Manually Operated, Bolted Contact Switches</b> (26 28 16 16-0644)		
26 28 16 16-0646	EA		800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480).....	5,307.54	962.61
26 28 16 16-0647	EA		1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480).....	5,941.89	1,155.14
26 28 16 16-0648	EA		1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480).....	6,612.00	1,347.65
26 28 16 16-0649	EA		2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480).....	7,276.86	1,540.18
26 28 16 16-0650	EA		2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480).....	7,985.33	1,732.70
26 28 16 16-0651	EA		3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480).....	10,536.62	1,925.22
26 28 16 16-0652	EA		4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480).....	14,872.09	2,310.26
<b>26 28 16 16-0653</b>			<b>Bottom Feed, Manually Operated, Bolted Contact Switches</b> (26 28 16 16-0644)		
26 28 16 16-0654	EA		800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480).....	5,587.36	962.61
26 28 16 16-0655	EA		1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480).....	6,364.68	1,155.14
26 28 16 16-0656	EA		1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480).....	7,021.71	1,347.65
26 28 16 16-0657	EA		2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480).....	7,818.21	1,540.18
26 28 16 16-0658	EA		2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480).....	8,665.28	1,732.70
26 28 16 16-0659	EA		3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480).....	11,883.44	1,925.22
26 28 16 16-0660	EA		4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480).....	16,284.29	2,310.26

**26 29 Low-Voltage Controllers** (26 20)**26 29 13 Enclosed Controllers** (26 29)**26 29 13 13 Across-The-Line Motor Controllers** (26 29 13)**26 29 13 13-0001 Manual Motor Starters** (26 29 13 13)**26 29 13 13-0002 Fractional HP Manual Motor Starters** (26 29 13 13-0001)

26 29 13 13-0003	EA		NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1).....	202.57	48.23
			For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-2.96	
			For Oversized Enclosure, Add	29.61	
			For Pilot Light, Add	43.43	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0004	EA			NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	265.56	62.70
				<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-2.96	
				<i>For Oversized Enclosure, Add</i>	29.61	
				<i>For Pilot Light, Add</i>	43.43	
26 29 13 13-0005	EA			NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	232.18	48.23
				<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-2.96	
				<i>For Oversized Enclosure, Add</i>	29.61	
				<i>For Pilot Light, Add</i>	43.43	
26 29 13 13-0006	EA			NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	295.17	62.70
				<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-2.96	
				<i>For Oversized Enclosure, Add</i>	29.61	
				<i>For Pilot Light, Add</i>	43.43	
26 29 13 13-0007	EA			NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	215.40	48.23
				<i>For Oversized Enclosure, Add</i>	29.61	
26 29 13 13-0008	EA			NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	282.34	62.70
				<i>For Oversized Enclosure, Add</i>	29.61	
26 29 13 13-0009	EA			NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	452.80	57.88
				<i>For Pilot Light, Add</i>	113.50	
26 29 13 13-0010	EA			NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	518.76	72.34
				<i>For Pilot Light, Add</i>	113.50	
26 29 13 13-0011	EA			NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	482.41	57.88
26 29 13 13-0012	EA			NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	545.41	72.34
<b>26 29 13 13-0013 Non Reversing Manual Motor Starters</b> <small>(26 29 13 13-0001)</small>						
26 29 13 13-0014	EA			NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1).....	159.31	48.23
				Note: NEMA 1 or flush cover plate installation.		
				<i>For Oversize Enclosure, Add</i>	14.28	
				<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0015	EA			NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2).....	267.30	62.70
				Note: NEMA 1 or flush cover plate installation.		
				<i>For Oversize Enclosure, Add</i>	14.28	
				<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0016	EA			NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5).....	180.38	53.06
				Note: NEMA 1 or flush cover plate installation.		
				<i>For Oversize Enclosure, Add</i>	14.28	
				<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0017	EA			NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6).....	289.32	67.53
				Note: NEMA 1 or flush cover plate installation.		
				<i>For Oversize Enclosure, Add</i>	14.28	
				<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0018	EA			NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3).....	186.93	48.23
				Note: NEMA 1 or flush cover plate installation.		
				<i>For Oversize Enclosure, Add</i>	14.28	
				<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0019	EA			NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4).....	295.87	62.70
				Note: NEMA 1 or flush cover plate installation.		
				<i>For Oversize Enclosure, Add</i>	14.28	
				<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0020	EA			NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	414.78	57.88
				<i>For Pilot Light, Add</i>	108.57	
26 29 13 13-0021	EA			NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2).....	512.29	72.34
				<i>For Pilot Light, Add</i>	108.57	
26 29 13 13-0022	EA			NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	436.81	62.70
				<i>For Pilot Light, Add</i>	108.57	
26 29 13 13-0023	EA			NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	531.46	77.16
				<i>For Pilot Light, Add</i>	108.57	
26 29 13 13-0024	EA			NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	441.45	57.88
26 29 13 13-0025	EA			NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	546.57	72.34
26 29 13 13-0026	EA			Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1).....	117.05	33.76
				<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0027	EA			Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2).....	225.02	48.23
				<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0028	EA			Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5).....	138.11	38.59
				<i>For Pilot Light, Add</i>	68.57	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 29 13 13-0029	EA Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6).....	246.09	53.06
	<i>For Pilot Light, Add</i>	68.57	
<b>26 29 13 13-0030</b>	<b>Reversing Manual Motor Starters</b> <small>(26 29 13 13-0001)</small>		
26 29 13 13-0031	EA NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11).....	446.95	86.81
	<i>For Pilot Light, Add</i>	110.47	
26 29 13 13-0032	EA NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22).....	651.48	115.75
	<i>For Pilot Light, Add</i>	110.47	
<b>26 29 13 13-0033</b>	<b>Two Speed Manual Motor Starters</b> <small>(26 29 13 13-0001)</small>		
26 29 13 13-0034	EA NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11).....	446.95	86.81
26 29 13 13-0035	EA NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22).....	651.48	115.75
<b>26 29 13 13-0036</b>	<b>Non-Reversing Integral HP Manual Motor Starters</b> <small>(26 29 13 13-0001)</small>		
26 29 13 13-0037	EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1).....	418.76	57.88
26 29 13 13-0038	EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1).....	418.76	57.88
26 29 13 13-0039	EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11).....	888.10	67.53
26 29 13 13-0040	EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	888.10	67.53
26 29 13 13-0041	EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1).....	1,168.40	67.53
26 29 13 13-0042	EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	535.76	67.53
26 29 13 13-0043	EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1).....	360.21	43.41
26 29 13 13-0044	EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1).....	499.47	62.70
26 29 13 13-0045	EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	499.47	62.70
26 29 13 13-0046	EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11).....	1,066.52	72.34
26 29 13 13-0047	EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	1,066.52	72.34
26 29 13 13-0048	EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	1,368.53	72.34
26 29 13 13-0049	EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1).....	616.47	72.34
26 29 13 13-0050	EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	440.92	48.23
26 29 13 13-0051	EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	662.09	67.53
26 29 13 13-0052	EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	662.09	67.53
26 29 13 13-0053	EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12).....	1,271.59	77.16
26 29 13 13-0054	EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2).....	1,271.59	77.16
26 29 13 13-0055	EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2).....	1,560.77	77.16
26 29 13 13-0056	EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2).....	782.06	77.16
26 29 13 13-0057	EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2).....	606.50	53.06
26 29 13 13-0058	EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2).....	518.28	72.34
26 29 13 13-0059	EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2).....	518.28	72.34
26 29 13 13-0060	EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12).....	987.62	81.99
26 29 13 13-0061	EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2).....	987.62	81.99
26 29 13 13-0062	EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2).....	1,275.81	81.99
26 29 13 13-0063	EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2).....	636.26	81.99
26 29 13 13-0064	EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2).....	462.69	57.88
26 29 13 13-0065	EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3).....	598.99	77.16
26 29 13 13-0066	EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3).....	598.99	77.16
26 29 13 13-0067	EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13).....	1,166.04	86.81
26 29 13 13-0068	EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3).....	1,166.04	86.81
26 29 13 13-0069	EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3).....	1,474.96	86.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0070 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3).....	715.99	86.81
26 29 13 13-0071 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3).....	540.44	62.70
<b>26 29 13 13-0072 Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)</b>		
26 29 13 13-0073 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1).....	1,237.42	101.28
26 29 13 13-0074 EA NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1).....	1,237.42	101.28
26 29 13 13-0075 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1).....	1,095.65	72.34
26 29 13 13-0076 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1).....	1,466.92	110.93
26 29 13 13-0077 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1).....	1,325.16	81.99
<b>26 29 13 13-0078 Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)</b>		
26 29 13 13-0079 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1).....	1,237.42	101.28
26 29 13 13-0080 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1).....	1,095.65	72.34
26 29 13 13-0081 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1).....	1,466.92	110.93
26 29 13 13-0082 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1).....	1,325.16	81.99
<b>26 29 13 13-0083 Magnetic Motor Starters (26 29 13 13)</b>		
<b>26 29 13 13-0084 Non Reversing, Magnetic Contactors (26 29 13 13-0083)</b>		
<b>26 29 13 13-0085 Open Enclosure, Non Reversing, Magnetic Contactors (26 29 13 13-0084)</b>		
26 29 13 13-0086 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11).....	476.18	96.46
<i>For Factory Installed Accessory, Deduct</i>	-192.92	
26 29 13 13-0087 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12).....	536.92	106.10
<i>For Factory Installed Accessory, Deduct</i>	-212.21	
26 29 13 13-0088 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5).....	517.63	96.46
<i>For Factory Installed Accessory, Deduct</i>	-192.92	
26 29 13 13-0089 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1).....	579.36	106.10
<i>For Factory Installed Accessory, Deduct</i>	-212.21	
26 29 13 13-0090 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2).....	640.10	115.75
<i>For Factory Installed Accessory, Deduct</i>	-231.50	
26 29 13 13-0091 EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3).....	809.51	144.69
<i>For Factory Installed Accessory, Deduct</i>	-289.38	
26 29 13 13-0092 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4).....	1,022.34	173.63
<i>For Factory Installed Accessory, Deduct</i>	-347.26	
26 29 13 13-0093 EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5).....	606.01	106.10
<i>For Factory Installed Accessory, Deduct</i>	-212.21	
26 29 13 13-0094 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1).....	666.75	115.75
<i>For Factory Installed Accessory, Deduct</i>	-231.50	
26 29 13 13-0095 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2).....	729.46	125.40
<i>For Factory Installed Accessory, Deduct</i>	-250.79	
26 29 13 13-0096 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3).....	928.80	168.81
<i>For Factory Installed Accessory, Deduct</i>	-337.61	
26 29 13 13-0097 EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4).....	1,140.63	197.75
<i>For Factory Installed Accessory, Deduct</i>	-395.48	
26 29 13 13-0098 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1).....	1,047.71	115.75
<i>For Factory Installed Accessory, Deduct</i>	-231.50	
26 29 13 13-0099 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2).....	1,159.87	144.69
<i>For Factory Installed Accessory, Deduct</i>	-289.38	
26 29 13 13-0100 EA Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3).....	1,509.97	192.92
<i>For Factory Installed Accessory, Deduct</i>	-385.83	
26 29 13 13-0101 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1).....	1,582.29	144.69
<i>For Factory Installed Accessory, Deduct</i>	-289.38	
26 29 13 13-0102 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2).....	1,792.24	192.92
<i>For Factory Installed Accessory, Deduct</i>	-385.83	
26 29 13 13-0103 EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3).....	2,281.52	241.14
<i>For Factory Installed Accessory, Deduct</i>	-482.30	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 29 13 13-0104	EA Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4).....	3,278.08	289.38
	<i>For Factory Installed Accessory, Deduct</i>	-578.76	
26 29 13 13-0105	EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1).....	3,603.05	241.14
	<i>For Factory Installed Accessory, Deduct</i>	-482.30	
26 29 13 13-0106	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2).....	3,953.16	289.38
	<i>For Factory Installed Accessory, Deduct</i>	-578.76	
26 29 13 13-0107	EA Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3).....	5,370.15	337.61
	<i>For Factory Installed Accessory, Deduct</i>	-675.21	
26 29 13 13-0108	EA Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1).....	7,341.38	289.38
	<i>For Factory Installed Accessory, Deduct</i>	-578.76	
26 29 13 13-0109	EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2).....	8,125.47	385.83
	<i>For Factory Installed Accessory, Deduct</i>	-771.67	
26 29 13 13-0110	EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2).....	21,231.19	578.76
	<i>For Factory Installed Accessory, Deduct</i>	-1,157.51	
26 29 13 13-0111	EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2).....	30,385.60	868.13
	<i>For Factory Installed Accessory, Deduct</i>	-1,736.27	
<b>26 29 13 13-0112</b>	<b>NEMA 1, Non Reversing, Magnetic Contactors</b> <small>(26 29 13 13-0084)</small>		
26 29 13 13-0113	EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11).....	506.77	96.46
	<i>For Factory Installed Accessory, Deduct</i>	-192.92	
26 29 13 13-0114	EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12).....	567.51	106.10
	<i>For Factory Installed Accessory, Deduct</i>	-212.21	
26 29 13 13-0115	EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5).....	548.22	96.46
	<i>For Factory Installed Accessory, Deduct</i>	-192.92	
26 29 13 13-0116	EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1).....	610.94	106.10
	<i>For Factory Installed Accessory, Deduct</i>	-212.21	
26 29 13 13-0117	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2).....	671.68	115.75
	<i>For Factory Installed Accessory, Deduct</i>	-231.50	
26 29 13 13-0118	EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3).....	843.06	144.69
	<i>For Factory Installed Accessory, Deduct</i>	-289.38	
26 29 13 13-0119	EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4).....	1,056.88	173.63
	<i>For Factory Installed Accessory, Deduct</i>	-347.26	
26 29 13 13-0120	EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5).....	638.57	106.10
	<i>For Factory Installed Accessory, Deduct</i>	-212.21	
26 29 13 13-0121	EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1).....	701.29	115.75
	<i>For Factory Installed Accessory, Deduct</i>	-231.50	
26 29 13 13-0122	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2).....	762.03	125.40
	<i>For Factory Installed Accessory, Deduct</i>	-250.79	
26 29 13 13-0123	EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3).....	962.35	168.81
	<i>For Factory Installed Accessory, Deduct</i>	-337.61	
26 29 13 13-0124	EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4).....	1,173.20	197.75
	<i>For Factory Installed Accessory, Deduct</i>	-395.48	
26 29 13 13-0125	EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1).....	1,193.78	115.75
	<i>For Factory Installed Accessory, Deduct</i>	-231.50	
26 29 13 13-0126	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2).....	1,306.93	144.69
	<i>For Factory Installed Accessory, Deduct</i>	-289.38	
26 29 13 13-0127	EA Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3).....	1,656.04	192.92
	<i>For Factory Installed Accessory, Deduct</i>	-385.83	
26 29 13 13-0128	EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1).....	1,869.50	144.69
	<i>For Factory Installed Accessory, Deduct</i>	-289.38	
26 29 13 13-0129	EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2).....	2,078.46	192.92
	<i>For Factory Installed Accessory, Deduct</i>	-385.83	
26 29 13 13-0130	EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3).....	2,568.72	241.14
	<i>For Factory Installed Accessory, Deduct</i>	-482.30	
26 29 13 13-0131	EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1).....	4,198.19	241.14
	<i>For Factory Installed Accessory, Deduct</i>	-482.30	
26 29 13 13-0132	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2).....	4,548.29	289.38
	<i>For Factory Installed Accessory, Deduct</i>	-578.76	
26 29 13 13-0133	EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2).....	9,210.14	385.83
	<i>For Factory Installed Accessory, Deduct</i>	-771.67	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 29 13	13	13-0134	EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2) ..... <i>For Factory Installed Accessory, Deduct</i>	26,001.14 -1,157.51	578.76
	26 29 13	13	13-0135	EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJG2)..... <i>For Factory Installed Accessory, Deduct</i>	35,169.37 -1,736.27	868.13
<b>26 29 13</b>	<b>13</b>	<b>13-0136</b>		<b>NEMA 12, Non Reversing, Magnetic Contactors</b> <small>(26 29 13 13-0084)</small>		
	26 29 13	13	13-0137	EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1) ..... <i>For Factory Installed Accessory, Deduct</i>	779.71 -212.21	106.10
	26 29 13	13	13-0138	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2) ..... <i>For Factory Installed Accessory, Deduct</i>	840.45 -231.50	115.75
	26 29 13	13	13-0139	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2) ..... <i>For Factory Installed Accessory, Deduct</i>	930.80 -250.79	125.40
	26 29 13	13	13-0140	EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1)..... <i>For Factory Installed Accessory, Deduct</i>	1,501.71 -231.50	115.75
	26 29 13	13	13-0141	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2)..... <i>For Factory Installed Accessory, Deduct</i>	1,615.85 -289.38	144.69
	26 29 13	13	13-0142	EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1)..... <i>For Factory Installed Accessory, Deduct</i>	2,234.67 -289.38	144.69
	26 29 13	13	13-0143	EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2)..... <i>For Factory Installed Accessory, Deduct</i>	2,442.64 -385.83	192.92
	26 29 13	13	13-0144	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2)..... <i>For Factory Installed Accessory, Deduct</i>	5,757.31 -578.76	289.38
	26 29 13	13	13-0145	EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2)..... <i>For Factory Installed Accessory, Deduct</i>	12,304.24 -771.67	385.83
	26 29 13	13	13-0146	EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2)..... <i>For Factory Installed Accessory, Deduct</i>	29,795.00 -1,157.51	578.76
<b>26 29 13</b>	<b>13</b>	<b>13-0147</b>		<b>NEMA 4/4X, Non Reversing, Magnetic Contactors</b> <small>(26 29 13 13-0084)</small> Note: Brushed stainless steel enclosure.		
	26 29 13	13	13-0148	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12) ..... <i>For Factory Installed Accessory, Deduct</i>	1,164.17 -231.50	115.75
	26 29 13	13	13-0149	EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11) ..... <i>For Factory Installed Accessory, Deduct</i>	1,207.60 -231.50	115.75
	26 29 13	13	13-0150	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12) ..... <i>For Factory Installed Accessory, Deduct</i>	1,268.34 -250.79	125.40
	26 29 13	13	13-0151	EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13) ..... <i>For Factory Installed Accessory, Deduct</i>	1,468.66 -337.61	168.81
	26 29 13	13	13-0152	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12)..... <i>For Factory Installed Accessory, Deduct</i>	2,319.55 -289.38	144.69
	26 29 13	13	13-0153	EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12)..... <i>For Factory Installed Accessory, Deduct</i>	3,511.52 -385.83	192.92
	26 29 13	13	13-0154	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12) ..... <i>For Factory Installed Accessory, Deduct</i>	6,994.95 -578.76	289.38
	26 29 13	13	13-0155	EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12)..... <i>For Factory Installed Accessory, Deduct</i>	12,304.24 -771.67	385.83
	26 29 13	13	13-0156	EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2)..... <i>For Factory Installed Accessory, Deduct</i>	33,028.26 -1,157.51	578.76
<b>26 29 13</b>	<b>13</b>	<b>13-0157</b>		<b>NEMA 7/9, Non Reversing, Magnetic Contactors</b> <small>(26 29 13 13-0084)</small> Note: Bolted cast iron enclosure.		
	26 29 13	13	13-0158	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2)..... <i>For Factory Installed Accessory, Deduct</i>	2,351.67 -308.67	154.34
<b>26 29 13</b>	<b>13</b>	<b>13-0159</b>		<b>Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0083)</small>		
<b>26 29 13</b>	<b>13</b>	<b>13-0160</b>		<b>Open Enclosure, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
	26 29 13	13	13-0161	EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO11) ..... <i>For Factory Installed Accessory, Deduct</i>	573.88 -192.92	96.46
	26 29 13	13	13-0162	EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12)..... <i>For Factory Installed Accessory, Deduct</i>	593.17 -212.21	106.10

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0163	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1).....	641.54	106.10
			<i>For Factory Installed Accessory, Deduct</i>	-212.21	
26 29 13 13-0164	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2).....	710.17	115.75
			<i>For Factory Installed Accessory, Deduct</i>	-231.50	
26 29 13 13-0165	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4).....	1,145.71	173.63
			<i>For Factory Installed Accessory, Deduct</i>	-347.26	
26 29 13 13-0166	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1).....	731.89	115.75
			<i>For Factory Installed Accessory, Deduct</i>	-231.50	
26 29 13 13-0167	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3).....	862.70	125.40
			<i>For Factory Installed Accessory, Deduct</i>	-250.79	
26 29 13 13-0168	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2).....	904.15	125.40
			<i>For Factory Installed Accessory, Deduct</i>	-250.79	
26 29 13 13-0169	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6).....	1,137.52	115.75
			<i>For Factory Installed Accessory, Deduct</i>	-231.50	
26 29 13 13-0170	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1).....	1,287.19	144.69
			<i>For Factory Installed Accessory, Deduct</i>	-289.38	
26 29 13 13-0171	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1).....	2,002.46	192.92
			<i>For Factory Installed Accessory, Deduct</i>	-385.83	
26 29 13 13-0172	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1).....	4,276.88	289.38
			<i>For Factory Installed Accessory, Deduct</i>	-578.76	
26 29 13 13-0173	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1).....	9,804.28	385.83
			<i>For Factory Installed Accessory, Deduct</i>	-771.67	
26 29 13 13-0174	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2).....	22,629.70	578.76
			<i>For Factory Installed Accessory, Deduct</i>	-1,157.51	
26 29 13 13-0175	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2).....	32,588.48	868.13
			<i>For Factory Installed Accessory, Deduct</i>	-1,736.27	
<b>26 29 13 13-0176</b>			<b>NEMA 1, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
26 29 13 13-0177	EA		Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG11).....	606.45	96.46
			<i>For Factory Installed Accessory, Deduct</i>	-192.92	
26 29 13 13-0178	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12).....	625.74	106.10
			<i>For Factory Installed Accessory, Deduct</i>	-212.21	
26 29 13 13-0179	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1).....	674.10	106.10
			<i>For Factory Installed Accessory, Deduct</i>	-212.21	
26 29 13 13-0180	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2).....	742.74	115.75
			<i>For Factory Installed Accessory, Deduct</i>	-231.50	
26 29 13 13-0181	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1).....	763.47	115.75
			<i>For Factory Installed Accessory, Deduct</i>	-231.50	
26 29 13 13-0182	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3).....	833.09	125.40
			<i>For Factory Installed Accessory, Deduct</i>	-250.79	
26 29 13 13-0183	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2).....	937.71	125.40
			<i>For Factory Installed Accessory, Deduct</i>	-250.79	
26 29 13 13-0184	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6).....	1,284.58	115.75
			<i>For Factory Installed Accessory, Deduct</i>	-231.50	
26 29 13 13-0185	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1).....	1,434.25	144.69
			<i>For Factory Installed Accessory, Deduct</i>	-289.38	
26 29 13 13-0186	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1).....	2,289.67	192.92
			<i>For Factory Installed Accessory, Deduct</i>	-385.83	
26 29 13 13-0187	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1).....	4,872.01	289.38
			<i>For Factory Installed Accessory, Deduct</i>	-578.76	
26 29 13 13-0188	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1).....	10,891.91	385.83
			<i>For Factory Installed Accessory, Deduct</i>	-771.67	
<b>26 29 13 13-0189</b>			<b>NEMA 12, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
26 29 13 13-0190	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1).....	842.87	106.10
			<i>For Factory Installed Accessory, Deduct</i>	-212.21	
26 29 13 13-0191	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2).....	911.51	115.75
			<i>For Factory Installed Accessory, Deduct</i>	-231.50	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 29 13	13	13-0192	EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1).....	932.24	115.75
				<i>For Factory Installed Accessory, Deduct</i>	-231.50	
	26 29 13	13	13-0193	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3).....	1,001.86	125.40
				<i>For Factory Installed Accessory, Deduct</i>	-250.79	
	26 29 13	13	13-0194	EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2).....	1,106.48	125.40
				<i>For Factory Installed Accessory, Deduct</i>	-250.79	
	26 29 13	13	13-0195	EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6).....	1,593.50	115.75
				<i>For Factory Installed Accessory, Deduct</i>	-231.50	
	26 29 13	13	13-0196	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1).....	1,742.18	144.69
				<i>For Factory Installed Accessory, Deduct</i>	-289.38	
	26 29 13	13	13-0197	EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1).....	2,653.85	192.92
				<i>For Factory Installed Accessory, Deduct</i>	-385.83	
	26 29 13	13	13-0198	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1).....	6,080.05	289.38
				<i>For Factory Installed Accessory, Deduct</i>	-578.76	
	26 29 13	13	13-0199	EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1).....	13,983.05	385.83
				<i>For Factory Installed Accessory, Deduct</i>	-771.67	
	26 29 13	13	13-0200	EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2).....	33,457.59	578.76
				<i>For Factory Installed Accessory, Deduct</i>	-1,157.51	
<b>26 29 13 13-0201 NEMA 3R, Non Reversing, Magnetic Starters (26 29 13 13-0199)</b>						
	26 29 13	13	13-0202	EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1).....	842.87	106.10
				<i>For Factory Installed Accessory, Deduct</i>	-212.21	
	26 29 13	13	13-0203	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2).....	911.51	115.75
				<i>For Factory Installed Accessory, Deduct</i>	-231.50	
	26 29 13	13	13-0204	EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1).....	932.24	115.75
				<i>For Factory Installed Accessory, Deduct</i>	-231.50	
	26 29 13	13	13-0205	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3).....	1,001.86	125.40
				<i>For Factory Installed Accessory, Deduct</i>	-250.79	
	26 29 13	13	13-0206	EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2).....	1,106.48	125.40
				<i>For Factory Installed Accessory, Deduct</i>	-250.79	
	26 29 13	13	13-0207	EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6).....	1,593.50	115.75
				<i>For Factory Installed Accessory, Deduct</i>	-231.50	
	26 29 13	13	13-0208	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1).....	1,742.18	144.69
				<i>For Factory Installed Accessory, Deduct</i>	-289.38	
	26 29 13	13	13-0209	EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1).....	2,653.85	192.92
				<i>For Factory Installed Accessory, Deduct</i>	-385.83	
	26 29 13	13	13-0210	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1).....	6,080.05	289.38
				<i>For Factory Installed Accessory, Deduct</i>	-578.76	
<b>26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non Reversing, Magnetic Starters (26 29 13 13-0199)</b>						
				Note: Bolted cast aluminum enclosure.		
	26 29 13	13	13-0212	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4).....	2,449.91	163.98
				<i>For Factory Installed Accessory, Deduct</i>	-327.96	
	26 29 13	13	13-0213	EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1).....	3,024.32	163.98
				<i>For Factory Installed Accessory, Deduct</i>	-327.96	
	26 29 13	13	13-0214	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3).....	3,114.68	173.63
				<i>For Factory Installed Accessory, Deduct</i>	-347.26	
	26 29 13	13	13-0215	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1).....	4,853.78	192.92
				<i>For Factory Installed Accessory, Deduct</i>	-385.83	
	26 29 13	13	13-0216	EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43).....	5,850.35	241.14
				<i>For Factory Installed Accessory, Deduct</i>	-482.30	
	26 29 13	13	13-0217	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41).....	9,338.70	337.61
				<i>For Factory Installed Accessory, Deduct</i>	-675.21	
<b>26 29 13 13-0218 NEMA 4/4X, Non Reversing, Magnetic Starters (26 29 13 13-0199)</b>						
				Note: Brushed stainless steel enclosure.		
	26 29 13	13	13-0219	EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11).....	1,165.61	106.10
				<i>For Factory Installed Accessory, Deduct</i>	-212.21	
	26 29 13	13	13-0220	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12).....	1,235.23	115.75
				<i>For Factory Installed Accessory, Deduct</i>	-231.50	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0221	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11).....	1,269.78	115.75
			<i>For Factory Installed Accessory, Deduct</i>	-231.50	
26 29 13 13-0222	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13).....	1,339.40	125.40
			<i>For Factory Installed Accessory, Deduct</i>	-250.79	
26 29 13 13-0223	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12).....	1,444.02	125.40
			<i>For Factory Installed Accessory, Deduct</i>	-250.79	
26 29 13 13-0224	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16).....	2,295.22	115.75
			<i>For Factory Installed Accessory, Deduct</i>	-231.50	
26 29 13 13-0225	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11).....	3,721.74	192.92
			<i>For Factory Installed Accessory, Deduct</i>	-385.83	
26 29 13 13-0226	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW11).....	7,316.70	289.38
			<i>For Factory Installed Accessory, Deduct</i>	-578.76	
26 29 13 13-0227	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11).....	16,360.62	385.83
			<i>For Factory Installed Accessory, Deduct</i>	-771.67	
<b>26 29 13 13-0228</b>			<b>NEMA 4X, Non Reversing, Magnetic Starters</b> (26 29 13 13-0159)		
			Note: Glass polyester enclosure.		
26 29 13 13-0229	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21).....	2,446.86	144.69
			<i>For Factory Installed Accessory, Deduct</i>	-289.38	
26 29 13 13-0230	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21).....	4,556.70	192.92
			<i>For Factory Installed Accessory, Deduct</i>	-385.83	
26 29 13 13-0231	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW21).....	9,002.42	289.38
			<i>For Factory Installed Accessory, Deduct</i>	-578.76	
<b>26 29 13 13-0232</b>			<b>NEMA 7/9, Non Reversing, Magnetic Starters</b> (26 29 13 13-0159)		
			Note: Bolted cast iron enclosure.		
26 29 13 13-0233	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1).....	2,372.39	154.34
			<i>For Factory Installed Accessory, Deduct</i>	-308.67	
26 29 13 13-0234	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2).....	2,449.91	163.98
			<i>For Factory Installed Accessory, Deduct</i>	-327.96	
26 29 13 13-0235	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1).....	2,485.44	163.98
			<i>For Factory Installed Accessory, Deduct</i>	-327.96	
26 29 13 13-0236	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3).....	2,559.03	173.63
			<i>For Factory Installed Accessory, Deduct</i>	-347.26	
26 29 13 13-0237	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2).....	2,679.43	173.63
			<i>For Factory Installed Accessory, Deduct</i>	-347.26	
26 29 13 13-0238	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1).....	3,961.57	192.92
			<i>For Factory Installed Accessory, Deduct</i>	-385.83	
<b>26 29 13 13-0239</b>			<b>Reversing, Magnetic Starters</b> (26 29 13 13-0083)		
<b>26 29 13 13-0240</b>			<b>Open Enclosure, Reversing, Magnetic Starters</b> (26 29 13 13-0239)		
26 29 13 13-0241	EA		Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13).....	1,102.53	125.40
			<i>For Factory Installed Accessory, Deduct</i>	-250.79	
26 29 13 13-0242	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16).....	1,164.71	125.40
			<i>For Factory Installed Accessory, Deduct</i>	-250.79	
26 29 13 13-0243	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1).....	1,290.59	135.04
			<i>For Factory Installed Accessory, Deduct</i>	-270.08	
26 29 13 13-0244	EA		Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2).....	1,337.53	144.69
			<i>For Factory Installed Accessory, Deduct</i>	-289.38	
26 29 13 13-0245	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10).....	1,372.07	144.69
			<i>For Factory Installed Accessory, Deduct</i>	-289.38	
26 29 13 13-0246	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2).....	1,468.34	154.34
			<i>For Factory Installed Accessory, Deduct</i>	-308.67	
26 29 13 13-0247	EA		Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3).....	1,526.89	168.81
			<i>For Factory Installed Accessory, Deduct</i>	-337.61	
26 29 13 13-0248	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCOT).....	1,562.42	168.81
			<i>For Factory Installed Accessory, Deduct</i>	-337.61	
26 29 13 13-0249	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1).....	2,704.19	192.92
			<i>For Factory Installed Accessory, Deduct</i>	-385.83	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 29 13	13	13-0250	EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1).....	4,429.86	289.38
				<i>For Factory Installed Accessory, Deduct</i>	-578.76	
	26 29 13	13	13-0251	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1).....	10,273.81	434.07
				<i>For Factory Installed Accessory, Deduct</i>	-868.13	
	26 29 13	13	13-0252	EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1).....	19,227.67	578.76
				<i>For Factory Installed Accessory, Deduct</i>	-1,157.51	
	26 29 13	13	13-0253	EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1).....	62,573.09	1,061.05
				<i>For Factory Installed Accessory, Deduct</i>	-2,122.10	
<b>26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters (26 29 13 13-0239)</b>						
	26 29 13	13	13-0255	EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13).....	1,142.46	115.75
				<i>For Factory Installed Accessory, Deduct</i>	-231.50	
	26 29 13	13	13-0256	EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15).....	1,191.36	125.40
				<i>For Factory Installed Accessory, Deduct</i>	-250.79	
	26 29 13	13	13-0257	EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16).....	1,226.89	125.40
				<i>For Factory Installed Accessory, Deduct</i>	-250.79	
	26 29 13	13	13-0258	EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1).....	1,349.81	135.04
				<i>For Factory Installed Accessory, Deduct</i>	-270.08	
	26 29 13	13	13-0259	EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2).....	1,398.72	144.69
				<i>For Factory Installed Accessory, Deduct</i>	-289.38	
	26 29 13	13	13-0260	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4).....	1,434.25	144.69
				<i>For Factory Installed Accessory, Deduct</i>	-289.38	
	26 29 13	13	13-0261	EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2).....	1,557.17	154.34
				<i>For Factory Installed Accessory, Deduct</i>	-308.67	
	26 29 13	13	13-0262	EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6).....	1,615.72	168.81
				<i>For Factory Installed Accessory, Deduct</i>	-337.61	
	26 29 13	13	13-0263	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8).....	1,651.25	168.81
				<i>For Factory Installed Accessory, Deduct</i>	-337.61	
	26 29 13	13	13-0264	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2).....	2,935.13	192.92
				<i>For Factory Installed Accessory, Deduct</i>	-385.83	
	26 29 13	13	13-0265	EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2).....	4,829.58	289.38
				<i>For Factory Installed Accessory, Deduct</i>	-578.76	
	26 29 13	13	13-0266	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3).....	11,008.11	434.07
				<i>For Factory Installed Accessory, Deduct</i>	-868.13	
<b>26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters (26 29 13 13-0239)</b>						
	26 29 13	13	13-0268	EA Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2).....	1,651.38	144.69
				<i>For Factory Installed Accessory, Deduct</i>	-289.38	
	26 29 13	13	13-0269	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4).....	1,686.91	144.69
				<i>For Factory Installed Accessory, Deduct</i>	-289.38	
	26 29 13	13	13-0270	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4).....	1,903.91	168.81
				<i>For Factory Installed Accessory, Deduct</i>	-337.61	
	26 29 13	13	13-0271	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1).....	3,357.55	192.92
				<i>For Factory Installed Accessory, Deduct</i>	-385.83	
<b>26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters (26 29 13 13-0239)</b>						
				Note: Brushed stainless steel enclosure.		
	26 29 13	13	13-0273	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14).....	2,079.72	144.69
				<i>For Factory Installed Accessory, Deduct</i>	-289.38	
	26 29 13	13	13-0274	EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11).....	2,457.27	154.34
				<i>For Factory Installed Accessory, Deduct</i>	-308.67	
<b>26 29 13 13-0275 Magnetic Contactor/Starters Accessories (26 29 13 13-0083)</b>						
	26 29 13	13	13-0276	EA NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2).....	154.68	12.06
				<i>For Factory Installed Accessory, Deduct</i>	-24.12	
	26 29 13	13	13-0277	EA NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3).....	266.10	12.06
				<i>For Factory Installed Accessory, Deduct</i>	-24.12	
	26 29 13	13	13-0278	EA NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2).....	154.68	12.06
				<i>For Factory Installed Accessory, Deduct</i>	-24.12	
	26 29 13	13	13-0279	EA NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8).....	266.10	12.06
				<i>For Factory Installed Accessory, Deduct</i>	-24.12	
	26 29 13	13	13-0280	EA NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R).....	266.10	12.06
				<i>For Factory Installed Accessory, Deduct</i>	-24.12	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0281	EA		Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11).....	130.71	9.65
			<i>For Factory Installed Accessory, Deduct</i>	-19.29	
26 29 13 13-0282	EA		External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6).....	116.08	9.65
			<i>For Factory Installed Accessory, Deduct</i>	-19.29	
26 29 13 13-0283	EA		External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8).....	154.68	12.06
			<i>For Factory Installed Accessory, Deduct</i>	-24.12	
26 29 13 13-0284	EA		External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13).....	130.71	9.65
			<i>For Factory Installed Accessory, Deduct</i>	-19.29	
26 29 13 13-0285	EA		External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15).....	174.93	12.06
			<i>For Factory Installed Accessory, Deduct</i>	-24.12	
26 29 13 13-0286	EA		30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6).....	197.12	9.65
			<i>For Factory Installed Accessory, Deduct</i>	-19.29	
26 29 13 13-0287	EA		45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11).....	342.30	9.65
			<i>For Factory Installed Accessory, Deduct</i>	-19.29	
26 29 13 13-0288	EA		60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21).....	363.69	9.65
			<i>For Factory Installed Accessory, Deduct</i>	-19.29	
26 29 13 13-0289	EA		30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8).....	434.92	12.06
			<i>For Factory Installed Accessory, Deduct</i>	-24.12	
26 29 13 13-0290	EA		45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13).....	762.43	12.06
			<i>For Factory Installed Accessory, Deduct</i>	-24.12	
26 29 13 13-0291	EA		60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23).....	762.43	12.06
			<i>For Factory Installed Accessory, Deduct</i>	-24.12	
26 29 13 13-0292	EA		Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1).....	43.85	7.24
			<i>For Factory Installed Accessory, Deduct</i>	-14.47	
26 29 13 13-0293	EA		1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3).....	91.32	9.65
			<i>For Factory Installed Accessory, Deduct</i>	-19.29	
26 29 13 13-0294	EA		2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4).....	120.91	12.06
			<i>For Factory Installed Accessory, Deduct</i>	-24.12	
26 29 13 13-0295	EA		Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1).....	93.90	12.06
			<i>For Factory Installed Accessory, Deduct</i>	-24.12	
26 29 13 13-0296	EA		Terminal Block, Contactor/Starter Accessory (Square D 9999T7).....	51.96	7.24
			<i>For Factory Installed Accessory, Deduct</i>	-14.47	
26 29 13 13-0297	EA		Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1).....	30.57	7.24
			<i>For Factory Installed Accessory, Deduct</i>	-14.47	
26 29 13 13-0298	EA		1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39).....	171.23	9.65
			<i>For Factory Installed Accessory, Deduct</i>	-19.29	
26 29 13 13-0299	EA		2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40).....	297.61	12.06
			<i>For Factory Installed Accessory, Deduct</i>	-24.12	
26 29 13 13-0300			<b>Definite Purpose Starters</b> <small>(26 29 13 13)</small>		
26 29 13 13-0301			<b>Open Enclosure, Definite Purpose Starter</b> <small>(26 29 13 13-0300)</small>		
26 29 13 13-0302	EA		Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13).....	524.63	115.75
			<i>For Factory Installed Accessory, Deduct</i>	-231.50	
26 29 13 13-0303	EA		Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22).....	523.64	115.75
			<i>For Factory Installed Accessory, Deduct</i>	-231.50	
26 29 13 13-0304	EA		Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23).....	566.62	125.40
			<i>For Factory Installed Accessory, Deduct</i>	-250.79	
26 29 13 13-0305	EA		Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32).....	560.16	115.75
			<i>For Factory Installed Accessory, Deduct</i>	-231.50	
26 29 13 13-0306	EA		Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33).....	609.05	125.40
			<i>For Factory Installed Accessory, Deduct</i>	-250.79	
26 29 13 13-0307	EA		Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42).....	591.74	115.75
			<i>For Factory Installed Accessory, Deduct</i>	-231.50	
26 29 13 13-0308	EA		Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43).....	683.18	144.69
			<i>For Factory Installed Accessory, Deduct</i>	-289.38	
26 29 13 13-0309	EA		Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52).....	765.09	144.69
			<i>For Factory Installed Accessory, Deduct</i>	-289.38	
26 29 13 13-0310	EA		Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53).....	967.29	168.81
			<i>For Factory Installed Accessory, Deduct</i>	-337.61	
26 29 13 13-0311			<b>NEMA 1, Definite Purpose Starter</b> <small>(26 29 13 13-0300)</small>		
26 29 13 13-0312	EA		NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12).....	539.88	106.10
			<i>For Factory Installed Accessory, Deduct</i>	-212.21	
26 29 13 13-0313	EA		NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13).....	582.86	115.75
			<i>For Factory Installed Accessory, Deduct</i>	-231.50	
26 29 13 13-0314	EA		NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22).....	580.88	115.75
			<i>For Factory Installed Accessory, Deduct</i>	-231.50	
26 29 13 13-0315	EA		NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23).....	626.82	125.40
			<i>For Factory Installed Accessory, Deduct</i>	-250.79	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 29 13 13-0316	EA		NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32).....	618.39	115.75
				<i>For Factory Installed Accessory, Deduct</i> .....	-231.50	
	26 29 13 13-0317	EA		NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33).....	668.27	125.40
				<i>For Factory Installed Accessory, Deduct</i> .....	-250.79	
	26 29 13 13-0318	EA		NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42).....	651.94	115.75
				<i>For Factory Installed Accessory, Deduct</i> .....	-231.50	
	26 29 13 13-0319	EA		NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43).....	742.39	144.69
				<i>For Factory Installed Accessory, Deduct</i> .....	-289.38	
	26 29 13 13-0320	EA		NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52).....	821.35	144.69
				<i>For Factory Installed Accessory, Deduct</i> .....	-289.38	
	26 29 13 13-0321	EA		NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53).....	1,024.53	168.81
				<i>For Factory Installed Accessory, Deduct</i> .....	-337.61	
	<b>26 29 13 13-0322</b>			<b>Definite Purpose Starter Accessory</b> <small>(26 29 13 13-0300)</small>		
	26 29 13 13-0323	EA		Start-Stop Push Button Kit, Definite Purpose Starter Accessory.....	174.93	12.06
				Note: Or Hand-Off-Auto Selector Switch Kit		
				<i>For Factory Installed Accessory, Deduct</i> .....	-24.12	
	<b>26 29 13 13-0324</b>			<b>Panel Mounted Miniature Contactor</b> <small>(26 29 13 13)</small>		
	<b>26 29 13 13-0325</b>			<b>Non Reversing, Panel Mounted Miniature Contactor</b> <small>(26 29 13 13-0324)</small>		
	26 29 13 13-0326	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	152.72	48.23
	26 29 13 13-0327	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	180.12	53.06
	26 29 13 13-0328	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	180.12	53.06
	26 29 13 13-0329	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	200.63	57.88
	26 29 13 13-0330	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	170.48	48.23
	26 29 13 13-0331	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	180.35	48.23
	26 29 13 13-0332	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	196.90	53.06
	26 29 13 13-0333	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	206.77	53.06
	26 29 13 13-0334	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	202.82	53.06
	26 29 13 13-0335	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	206.77	53.06
	26 29 13 13-0336	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	220.37	57.88
	26 29 13 13-0337	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	212.69	53.06
	26 29 13 13-0338	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	230.24	57.88
	26 29 13 13-0339	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	214.67	53.06
	26 29 13 13-0340	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	214.67	53.06
	26 29 13 13-0341	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	240.11	57.88
	26 29 13 13-0342	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	240.11	57.88
	<b>26 29 13 13-0343</b>			<b>Reversing, Panel Mounted Miniature Contactor</b> <small>(26 29 13 13-0324)</small>		
	26 29 13 13-0344	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	224.76	48.23
	26 29 13 13-0345	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	244.50	48.23

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 29 13 13-0346	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....		270.92	53.06
26 29 13 13-0347	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....		270.92	53.06
26 29 13 13-0348	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....		290.66	53.06
26 29 13 13-0349	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....		304.26	57.88
26 29 13 13-0350	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....		304.26	57.88
26 29 13 13-0351	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....		261.28	48.23
26 29 13 13-0352	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....		281.02	48.23
26 29 13 13-0353	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....		305.46	53.06
26 29 13 13-0354	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....		325.20	53.06
26 29 13 13-0355	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....		344.72	57.88
26 29 13 13-0356	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....		364.46	57.88
26 29 13 13-0357	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....		294.61	53.06
26 29 13 13-0358	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....		341.00	53.06
26 29 13 13-0359	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....		386.18	57.88
26 29 13 13-0360		<b>Panel Mounted Miniature Contactor Accessories</b> (26 29 13 13-0324)			
26 29 13 13-0361	EA	2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02).....		63.73	24.12
26 29 13 13-0362	EA	4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40).....		71.35	24.12
26 29 13 13-0363	EA	Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....		85.15	24.12
26 29 13 13-0364	EA	Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301).....		112.59	24.12
26 29 13 13-0365		<b>Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole</b> (26 29 13 13)			
26 29 13 13-0366		<b>NEMA 1 Enclosure</b> (26 29 13 13-0365)			
26 29 13 13-0367	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....		6,910.60	462.06
		For NEMA 4, Add		745.86	
26 29 13 13-0368	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....		12,133.00	616.07
		For NEMA 4, Add		1,362.36	
26 29 13 13-0369	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....		21,350.64	731.59
		For NEMA 4, Add		2,486.52	
26 29 13 13-0370	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....		52,346.24	895.23
		For NEMA 4, Add		6,320.45	
26 29 13 13-0371	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....		83,602.11	1,145.51
		For NEMA 4, Add		10,163.77	
26 29 13 13-0372		<b>NEMA 12 Enclosure</b> (26 29 13 13-0365)			
26 29 13 13-0373	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....		6,860.90	471.87
26 29 13 13-0374	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....		12,042.22	617.04
26 29 13 13-0375	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....		21,184.95	729.27
26 29 13 13-0376	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....		51,925.08	891.28
26 29 13 13-0377	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....		82,924.85	1,145.99
26 29 13 13-0378		<b>Factory Modifications Pilot Devices</b> (26 29 13 13-0365)			
26 29 13 13-0379	EA	Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....		175.73	
26 29 13 13-0380	EA	H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....		193.81	
26 29 13 13-0381	EA	Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....		329.90	
26 29 13 13-0382	EA	Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....		179.24	
26 29 13 13-0383	EA	Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....		257.73	
26 29 13 13-0384	EA	Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....		128.87	
26 29 13 13-0385	EA	Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....		420.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 29 13 13-0386</b>		<b>Factory Modifications Meters</b> <small>(26 29 13 13-0385)</small>			
26 29 13 13-0387	EA	Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	1,690.71		
26 29 13 13-0388	EA	Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	1,633.00		
26 29 13 13-0389	EA	Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	577.32		
26 29 13 13-0390	EA	Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	478.36		
<b>26 29 13 13-0391</b>		<b>Factory Modifications Main Circuit Breakers</b> <small>(26 29 13 13-0385)</small>			
26 29 13 13-0392	EA	Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker.....	2,234.53		
26 29 13 13-0393	EA	Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker.....	4,086.67		
26 29 13 13-0394	EA	Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker.....	8,692.75		
<b>26 29 13 13-0395</b>		<b>Factory Modifications Addition</b> <small>(26 29 13 13-0385)</small>			
		Note: For reversing service auto transformer type.			
26 29 13 13-0396	EA	Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	375.27		
26 29 13 13-0397	EA	Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	375.27		
26 29 13 13-0398	EA	Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	375.27		
26 29 13 13-0399	EA	Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	375.27		
<b>26 29 13 13-0400</b>		<b>Combination Starters Non-Reversing</b> <small>(26 29 13 13)</small>			
<b>26 29 13 13-0401</b>		<b>240-600 Volt, 3-Pole</b> <small>(26 29 13 13-0400)</small>			
<b>26 29 13 13-0402</b>		<b>NEMA 1 With Disconnect Switch</b> <small>(26 29 13 13-0401)</small>			
26 29 13 13-0403	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,543.34		221.40
		<i>For Electronic Overloads, Add</i>	208.56		
26 29 13 13-0404	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,855.54		346.54
		<i>For Electronic Overloads, Add</i>	220.02		
26 29 13 13-0405	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,635.67		404.30
		<i>For Electronic Overloads, Add</i>	348.37		
26 29 13 13-0406	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,054.54		500.55
		<i>For Electronic Overloads, Add</i>	579.85		
26 29 13 13-0407	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	7,490.87		798.96
		<i>For Electronic Overloads, Add</i>	1,118.44		
26 29 13 13-0408	EA	Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	15,221.95		1,001.12
		<i>For Electronic Overloads, Add</i>	2,511.14		
<b>26 29 13 13-0409</b>		<b>NEMA 1 With Circuit Breaker</b> <small>(26 29 13 13-0401)</small>			
26 29 13 13-0410	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,977.59		221.40
		<i>For Electronic Overloads, Add</i>	291.07		
26 29 13 13-0411	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,289.79		346.54
		<i>For Electronic Overloads, Add</i>	302.53		
26 29 13 13-0412	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,057.86		404.30
		<i>For Electronic Overloads, Add</i>	428.58		
26 29 13 13-0413	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,283.73		500.55
		<i>For Electronic Overloads, Add</i>	623.39		
26 29 13 13-0414	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,805.69		798.96
		<i>For Electronic Overloads, Add</i>	1,368.25		
26 29 13 13-0415	EA	Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	18,708.02		1,001.12
		<i>For Electronic Overloads, Add</i>	3,173.49		
<b>26 29 13 13-0416</b>		<b>Factory Modifications For NEMA 1 Enclosure</b> <small>(26 29 13 13-0401)</small>			
26 29 13 13-0417	EA	Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	197.75		
26 29 13 13-0418	EA	H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	464.48		
26 29 13 13-0419	EA	Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	320.57		
<b>26 29 13 13-0420</b>		<b>NEMA 4 With Disconnect Switch</b> <small>(26 29 13 13-0401)</small>			
26 29 13 13-0421	EA	Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,849.89		288.78
		<i>For Electronic Overloads, Add</i>	428.58		
26 29 13 13-0422	EA	Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,118.17		404.30
		<i>For Electronic Overloads, Add</i>	440.04		
26 29 13 13-0423	EA	Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,510.07		442.80
		<i>For Electronic Overloads, Add</i>	687.56		
26 29 13 13-0424	EA	Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	7,233.52		539.06
		<i>For Electronic Overloads, Add</i>	1,171.15		
26 29 13 13-0425	EA	Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	11,471.51		798.96
		<i>For Electronic Overloads, Add</i>	1,874.76		
26 29 13 13-0426	EA	Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	25,378.59		1,001.12
		<i>For Electronic Overloads, Add</i>	4,440.90		
<b>26 29 13 13-0427</b>		<b>NEMA 4 With Circuit Breaker</b> <small>(26 29 13 13-0401)</small>			

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0428	EA		Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	3,284.14 511.09	288.78
26 29 13 13-0429	EA		Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	3,552.43 522.55	404.30
26 29 13 13-0430	EA		Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	4,932.26 767.78	442.80
26 29 13 13-0431	EA		Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	7,462.71 1,214.70	539.06
26 29 13 13-0432	EA		Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	12,786.32 2,124.57	798.96
26 29 13 13-0433	EA		Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	24,015.53 4,181.92	1,001.12
<b>26 29 13 13-0434</b>			<b>Factory Modifications For NEMA 4 Enclosure</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0435	EA		Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt .....	197.78	
26 29 13 13-0436	EA		H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt .....	464.48	
26 29 13 13-0437	EA		Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt .....	320.57	
<b>26 29 13 13-0438</b>			<b>NEMA 12 With Disconnect Switch</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0439	EA		Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	1,598.22 218.99	222.84
26 29 13 13-0440	EA		Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	1,913.44 231.02	348.75
26 29 13 13-0441	EA		Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	2,727.35 365.78	401.12
26 29 13 13-0442	EA		Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	4,207.13 608.84	501.33
26 29 13 13-0443	EA		Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	7,785.19 1,174.36	802.24
26 29 13 13-0444	EA		Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	15,882.76 2,636.69	1,002.65
<b>26 29 13 13-0445</b>			<b>NEMA 12 With Circuit Breaker</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0446	EA		Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	2,116.75 317.51	222.84
26 29 13 13-0447	EA		Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	2,434.43 330.01	348.75
26 29 13 13-0448	EA		Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	3,262.76 467.51	401.12
26 29 13 13-0449	EA		Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	4,581.76 680.02	501.33
26 29 13 13-0450	EA		Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	9,459.84 1,492.54	802.24
26 29 13 13-0451	EA		Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	20,225.24 3,461.76	1,002.65
<b>26 29 13 13-0452</b>			<b>Factory Modifications For NEMA 12 Enclosure</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0453	EA		Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt .....	196.13	
26 29 13 13-0454	EA		H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt .....	460.61	
26 29 13 13-0455	EA		Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt .....	317.90	
<b>26 29 13 13-0456</b>			<b>NEMA 7 Or 9 With Circuit Breaker</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0457	EA		Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	3,756.19	462.06
26 29 13 13-0458	EA		Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	5,089.70	616.07
26 29 13 13-0459	EA		Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	5,519.22	847.10
26 29 13 13-0460	EA		Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	8,209.46	1,155.14
26 29 13 13-0461	EA		Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	12,379.98	1,617.18
<b>26 29 13 13-0462</b>			<b>Factory Modifications For NEMA 7 Or 9 Enclosure</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0463	EA		Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt .....	1,176.07	
26 29 13 13-0464	EA		H-O-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt .....	1,176.07	
26 29 13 13-0465	EA		Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt .....	1,176.07	
<b>26 29 13 13-0466</b>			<b>Combination Starters Reversing</b> <small>(26 29 13 13)</small>		
<b>26 29 13 13-0467</b>			<b>240-600 Volt, 3 Pole</b> <small>(26 29 13 13-0466)</small>		
<b>26 29 13 13-0468</b>			<b>NEMA 1 With Disconnect Switch</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0469	EA		Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	1,902.29	288.78
26 29 13 13-0470	EA		Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	2,197.86	404.30
26 29 13 13-0471	EA		Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	3,224.27	442.80
26 29 13 13-0472	EA		Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	4,935.45	539.06
26 29 13 13-0473	EA		Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	9,701.11	798.96
<b>26 29 13 13-0474</b>			<b>NEMA 1 With Circuit Breaker</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0475	EA		Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,131.42	288.78
26 29 13 13-0476	EA		Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,442.44	404.30
26 29 13 13-0477	EA		Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,510.59	442.80

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 29 13 13-0478	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,541.27	539.06
26 29 13 13-0479	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	10,475.56	798.96
<b>26 29 13 13-0480</b>		<b>NEMA 12 With Disconnect Switch</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0481	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	2,035.53	297.16
26 29 13 13-0482	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	2,340.02	401.12
26 29 13 13-0483	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	3,461.90	445.69
26 29 13 13-0484	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	5,329.22	534.83
26 29 13 13-0485	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	10,525.81	802.24
<b>26 29 13 13-0486</b>		<b>NEMA 12 With Circuit Breaker</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0487	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,287.99	297.16
26 29 13 13-0488	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,609.51	401.12
26 29 13 13-0489	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,777.38	445.69
26 29 13 13-0490	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,894.89	534.83
26 29 13 13-0491	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	11,379.14	802.24
<b>26 29 13 13-0492</b>		<b>NEMA 7 Or 9 With Circuit Breaker</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0493	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,549.30	616.07
26 29 13 13-0494	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,876.41	770.08
26 29 13 13-0495	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	7,022.86	1,001.12
26 29 13 13-0496	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	11,204.27	1,309.15
26 29 13 13-0497	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	20,518.75	1,771.20
<b>26 29 13 13-0498</b>		<b>Solid State Motor Controllers</b> <small>(26 29 13 13)</small>		
<b>26 29 13 13-0499</b>		<b>Adjustable Voltage Drives, DC Motors</b> <small>(26 29 13 13-0498)</small>		
26 29 13 13-0500	EA	0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking.....	1,518.63	173.27
26 29 13 13-0501	EA	0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	1,839.24	173.27
<b>26 29 13 13-0502</b>		<b>Removal And Reinstallation Of Motor Starters</b> <small>(26 29 13 13)</small>		
Note: Includes storage and cleaning.				
26 29 13 13-0503	EA	Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect.....	687.58	
<b>26 29 13 13-0504</b>		<b>Auxiliary Devices</b> <small>(26 29 13 13)</small>		
26 29 13 13-0505	EA	Normally Open, Auxiliary Contact .....	442.15	96.26
26 29 13 13-0506	EA	Normally Closed, Auxiliary Contact.....	442.15	96.26
26 29 13 13-0507	EA	Pilot Light Kit.....	467.34	96.26
<b>26 29 23</b>		<b>Variable-Frequency Motor Controllers</b> <small>(26 29)</small>		
<b>26 29 23 00-0001</b>		<b>208/230 Volt Variable Frequency Drives</b> <small>(26 29 23)</small>		
Note: 1 or 3 phase. Wall mounted. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.				
26 29 23 00-0002	EA	3/4 HP, 208/230 Volt Variable Frequency Drive.....	1,928.53	369.06
26 29 23 00-0003	EA	1 HP, 208/230 Volt Variable Frequency Drive.....	2,173.34	403.36
26 29 23 00-0004	EA	1-1/2 HP, 208/230 Volt Variable Frequency Drive .....	2,528.50	443.52
26 29 23 00-0005	EA	2 HP, 208/230 Volt Variable Frequency Drive.....	2,670.95	426.32
26 29 23 00-0006	EA	3 HP, 208/230 Volt Variable Frequency Drive.....	2,862.30	464.81
26 29 23 00-0007	EA	5 HP, 208/230 Volt Variable Frequency Drive.....	3,100.57	464.81
26 29 23 00-0008	EA	7.5 HP, 208/230 Volt Variable Frequency Drive.....	3,704.52	554.98
26 29 23 00-0009	EA	10 HP, 208/230 Volt Variable Frequency Drive.....	4,048.69	554.98
26 29 23 00-0010	EA	15 HP, 208/230 Volt Variable Frequency Drive.....	5,324.82	835.63
26 29 23 00-0011	EA	20 HP, 208/230 Volt Variable Frequency Drive.....	6,277.92	835.63
26 29 23 00-0012	EA	25 HP, 208/230 Volt Variable Frequency Drive.....	7,647.40	1,110.06
26 29 23 00-0013	EA	30 HP, 208/230 Volt Variable Frequency Drive.....	8,838.77	1,110.06
26 29 23 00-0014	EA	40 HP, 208/230 Volt Variable Frequency Drive.....	9,871.30	1,110.06
26 29 23 00-0015	EA	50 HP, 208/230 Volt Variable Frequency Drive.....	13,025.77	1,403.26
26 29 23 00-0016	EA	60 HP, 208/230 Volt Variable Frequency Drive.....	15,710.35	1,660.02
26 29 23 00-0017	EA	75 HP, 208/230 Volt Variable Frequency Drive.....	17,828.35	1,660.02
<b>26 29 23 00-0018</b>		<b>460/480 Volt Variable Frequency Drives</b> <small>(26 29 23)</small>		
Note: 3 Phase. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.				
26 29 23 00-0019	EA	3 HP, 480 Volt Variable Frequency Drive.....	4,610.95	664.03
Note: Wall mounted.				
26 29 23 00-0020	EA	5 HP, 480 Volt Variable Frequency Drive.....	4,769.80	664.03
Note: Wall mounted.				
26 29 23 00-0021	EA	7.5 HP, 480 Volt Variable Frequency Drive.....	5,209.38	791.20
Note: Wall mounted.				
26 29 23 00-0022	EA	10 HP, 480 Volt Variable Frequency Drive.....	5,235.85	791.20
Note: Wall mounted.				
26 29 23 00-0023	EA	15 HP, 480 Volt Variable Frequency Drive.....	7,005.62	1,199.49
Note: Wall mounted.				
26 29 23 00-0024	EA	20 HP, 480 Volt Variable Frequency Drive.....	7,376.27	1,199.49
Note: Wall mounted.				
26 29 23 00-0025	EA	25 HP, 480 Volt Variable Frequency Drive.....	8,856.83	1,582.39
Note: Wall mounted.				

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0026	EA		30 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	10,180.59	1,582.39
26 29 23 00-0027	EA		40 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	11,557.29	1,582.39
26 29 23 00-0028	EA		50 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	15,139.45	2,010.03
26 29 23 00-0029	EA		60 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	20,228.67	2,383.64
26 29 23 00-0030	EA		75 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	21,499.47	2,383.64
26 29 23 00-0031	EA		100 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	24,903.62	2,656.11
26 29 23 00-0032	EA		125 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	26,280.32	2,656.11
26 29 23 00-0033	EA		150 HP, 480 Volt Variable Frequency Drive..... Note: Floor mounted.	29,139.62	2,656.11
26 29 23 00-0034	EA		200 HP, 480 Volt Variable Frequency Drive..... Note: Floor mounted.	33,627.51	3,205.61
26 29 23 00-0035	EA		250 HP, 480 Volt Variable Frequency Drive..... Note: Floor mounted.	42,156.91	3,348.67
26 29 23 00-0036	EA		300 HP, 480 Volt Variable Frequency Drive..... Note: Floor mounted.	49,451.93	3,842.49
26 29 23 00-0037	EA		350 HP, 480 Volt Variable Frequency Drive..... Note: Floor mounted.	56,920.55	4,167.29
26 29 23 00-0038	EA		400 HP, 480 Volt Variable Frequency Drive..... Note: Floor mounted.	66,008.70	4,499.82
26 29 23 00-0039	EA		450 HP, 480 Volt Variable Frequency Drive..... Note: Floor mounted.	71,137.72	4,879.57

**26 29 33 Controllers for Fire Pump Drivers (26 29)****26 29 33 13 Full-Service Controllers for Fire Pump Electric-Motor Drivers (26 29 33)****26 29 33 13-0001 Electric Controllers For Fire Pumps (26 29 33 13)****26 29 33 13-0002 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller (26 29**

33 13-0001)

26 29 33 13-0003	EA		30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	23,542.05	189.37
26 29 33 13-0004	EA		40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	26,654.97	210.41
26 29 33 13-0005	EA		50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	27,942.16	231.46
26 29 33 13-0006	EA		75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	31,865.49	252.49
26 29 33 13-0007	EA		150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	33,657.41	294.57
26 29 33 13-0008	EA		175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	35,843.98	378.75
26 29 33 13-0009	EA		200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	38,846.85	420.83
26 29 33 13-0010	EA		250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	44,429.48	479.74
26 29 33 13-0011	EA		300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	53,571.83	517.62
26 29 33 13-0012	EA		350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	62,967.81	589.16
26 29 33 13-0013	EA		400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	75,161.48	631.24
26 29 33 13-0014	EA		500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	84,871.14	673.32

**26 29 33 19 Controllers for Fire Pump Diesel Engine Drivers (26 29 33)**

See CSI section 26 29 33 13-0000 for controllers for fire pump diesel engine drivers.

**26 30 Facility Electrical Power Generating and Storing Equipment**

(26)

**26 31 Photovoltaic Collectors (26 30)****26 31 00 00-0001 Photovoltaic Collectors (26 31)**

Note: All materials are to be installed per manufacturers specifications and must be in compliance with the California Energy Commission Guidelines (CEC-300-2011-005-CMF). See CSI section 26 28 13 00-0078 for fuses.

**26 31 00 00-0002 Rigid Photovoltaic Modules (26 31)****26 31 00 00-0003 Sanyo Rigid Photovoltaic Modules (26 31 00 00-0002)**

26 31 00 00-0004	EA		205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6).....	1,533.61	91.44
			For >50, Deduct	-135.07	
26 31 00 00-0005	EA		210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6).....	1,606.83	91.44
			For >50, Deduct	-142.39	
26 31 00 00-0006	EA		215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6).....	1,504.89	91.44
			For >50, Deduct	-132.20	

**26 31 00 00-0007 Sharp Rigid Photovoltaic Modules (26 31 00 00-0002)**

26 31 00 00-0008	EA		224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1).....	1,203.92	91.44
			For >50, Deduct	-102.10	
26 31 00 00-0009	EA		230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3).....	1,367.35	91.44
			For >50, Deduct	-118.45	
26 31 00 00-0010	EA		235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1).....	1,393.24	91.44
			For >50, Deduct	-121.03	
26 31 00 00-0011	EA		240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1).....	1,312.33	91.44
			For >50, Deduct	-112.94	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 31 00 00-0012</b>		<b>BP Solar Rigid Photovoltaic Modules</b> <small>(26 31 00 00-0002)</small> Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.		
26 31 00 00-0013	EA	50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J).....	601.91	91.44
		For >50, Deduct	-41.90	
26 31 00 00-0014	EA	75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J).....	739.45	91.44
		For >50, Deduct	-55.66	
26 31 00 00-0015	EA	80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J).....	794.46	91.44
		For >50, Deduct	-61.16	

<b>26 31 00 00-0016</b>		<b>Photovoltaic Inverters</b> <small>(26 31)</small>		
<b>26 31 00 00-0017</b>		<b>Fronius Photovoltaic Inverters</b> <small>(26 31 00 00-0016)</small>		
26 31 00 00-0018	EA	3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1) .....	3,632.76	96.26
26 31 00 00-0019	EA	5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1) .....	4,786.38	96.26
26 31 00 00-0020	EA	6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1) .....	5,051.43	96.26
26 31 00 00-0021	EA	7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1) .....	5,646.08	96.26
26 31 00 00-0022	EA	10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1) .....	8,930.62	96.26
26 31 00 00-0023	EA	12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1) .....	10,378.47	96.26
26 31 00 00-0024	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta) .....	8,472.05	192.53
26 31 00 00-0025	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3) .....	10,713.29	192.53
26 31 00 00-0026	EA	Inverter Display Stand (Fronius 4,045,894).....	325.54	48.13

<b>26 31 00 00-0027</b>		<b>SMA Photovoltaic Inverters</b> <small>(26 31 00 00-0016)</small>		
26 31 00 00-0028	EA	4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22).....	2,705.38	96.26
26 31 00 00-0029	EA	5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22).....	3,244.00	96.26
26 31 00 00-0030	EA	6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22).....	3,745.95	96.26
26 31 00 00-0031	EA	7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22).....	4,129.15	96.26
26 31 00 00-0032	EA	8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12).....	4,000.07	96.26

<b>26 31 00 00-0033</b>		<b>PVPowered Photovoltaic Inverters</b> <small>(26 31 00 00-0016)</small>		
26 31 00 00-0034	EA	120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100) .....	3,339.94	96.26
26 31 00 00-0035	EA	240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000) .....	3,492.34	96.26
26 31 00 00-0036	EA	240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500) .....	3,856.78	96.26
26 31 00 00-0037	EA	240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500) .....	4,574.13	120.32
26 31 00 00-0038	EA	208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600) .....	5,576.42	144.39
26 31 00 00-0039	EA	240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800) .....	5,622.81	144.39
26 31 00 00-0040	EA	240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200) .....	5,931.58	144.39
26 31 00 00-0041	EA	208 Volt, 7.5 KW Photovoltaic Inverter (PVPowered PVP75kW) .....	70,548.24	770.08
26 31 00 00-0042	EA	480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW) .....	70,641.43	770.08
26 31 00 00-0043	EA	208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW) .....	76,429.26	770.08
26 31 00 00-0044	EA	480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW) .....	70,863.83	770.08

<b>26 31 00 00-0045</b>		<b>Solectria Photovoltaic Inverters</b> <small>(26 31 00 00-0016)</small>		
26 31 00 00-0046	EA	208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI).....	11,117.76	192.53
26 31 00 00-0047	EA	208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI).....	11,117.76	192.53
26 31 00 00-0048	EA	208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI) .....	11,441.90	192.53
26 31 00 00-0049	EA	480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI) .....	11,441.90	192.53
26 31 00 00-0050	EA	208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI) .....	34,829.95	577.57
26 31 00 00-0051	EA	480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI) .....	33,209.24	577.57
26 31 00 00-0052	EA	208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI) .....	38,071.38	577.57
26 31 00 00-0053	EA	480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI) .....	37,170.98	577.57
26 31 00 00-0054	EA	208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI) .....	40,412.41	577.57
26 31 00 00-0055	EA	480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI) .....	38,611.61	577.57
26 31 00 00-0056	EA	208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI) .....	42,598.24	770.08
26 31 00 00-0057	EA	480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI) .....	40,617.37	770.08
26 31 00 00-0058	EA	208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI) .....	44,218.95	770.08
26 31 00 00-0059	EA	480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI) .....	41,877.92	770.08

<b>26 31 00 00-0060</b>		<b>Xantrex Photovoltaic Inverters</b> <small>(26 31 00 00-0016)</small>		
26 31 00 00-0061	EA	0.6 KW Photovoltaic Inverter (Xantrex 806-1206).....	467.62	24.07
26 31 00 00-0062	EA	1 KW Photovoltaic Inverter (Xantrex 806-1210).....	509.29	24.07
26 31 00 00-0063	EA	2 KW Photovoltaic Inverter (Xantrex 806-1220).....	815.50	24.07

<b>26 31 00 00-0064</b>		<b>Photovoltaic DC-DC Converters</b> <small>(26 31)</small>		
26 31 00 00-0065	EA	15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20).....	279.31	36.10
		Note: Hazardous locations.		
26 31 00 00-0066	EA	20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23).....	188.69	36.10
26 31 00 00-0067	EA	60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60).....	512.31	36.10

<b>26 31 00 00-0068</b>		<b>Photovoltaic Combiner Boxes</b> <small>(26 31)</small>		
<b>26 31 00 00-0069</b>		<b>Midnight Solar Photovoltaic Combiner Boxes</b> <small>(26 31 00 00-0068)</small>		
26 31 00 00-0070	EA	3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3) .....	345.32	96.26
26 31 00 00-0071	EA	6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6) .....	336.93	96.26
26 31 00 00-0072	EA	12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12) .....	534.32	144.39

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 31 Photovoltaic Collectors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 31 00 00-0073	EA	6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	.....	537.26	144.39
26 31 00 00-0074	EA	16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	.....	809.46	144.39
<b>26 31 00 00-0075</b>		<b>SMA Photovoltaic Combiner Boxes</b> <small>(26 31 00 00-0068)</small>			
26 31 00 00-0076	EA	6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	.....	741.38	96.26
26 31 00 00-0077	EA	12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	.....	884.38	96.26
26 31 00 00-0078	EA	28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	.....	1,714.09	192.53
26 31 00 00-0079	EA	52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	.....	3,891.36	192.53
26 31 00 00-0080	EA	4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	.....	663.99	96.26
<b>26 31 00 00-0081</b>		<b>Photovoltaic Charge Controller</b> <small>(26 31)</small>			
26 31 00 00-0082	EA	35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35)	.....	224.29	36.10
26 31 00 00-0083	EA	40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40)	.....	297.11	36.10
26 31 00 00-0084	EA	60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60)	.....	345.65	36.10
26 31 00 00-0085	EA	Remote Digital Meter For Xantrex C-35, 40 And 60	.....	266.36	36.10
26 31 00 00-0086	EA	MPPT Charge Controller (Xantrex XW SCC)	.....	908.47	48.13
<b>26 31 00 00-0087</b>		<b>Photovoltaic Batteries</b> <small>(26 31)</small>			
<b>26 31 00 00-0088</b>		<b>Concorde Photovoltaic Batteries</b> <small>(26 31 00 00-0087)</small>			
26 31 00 00-0089	EA	34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T)	.....	203.52	14.44
26 31 00 00-0090	EA	45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T)	.....	256.81	19.25
26 31 00 00-0091	EA	49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T)	.....	277.91	19.25
26 31 00 00-0092	EA	56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T)	.....	319.71	28.88
26 31 00 00-0093	EA	69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T)	.....	363.37	28.88
26 31 00 00-0094	EA	89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T)	.....	431.21	33.69
26 31 00 00-0095	EA	104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T)	.....	494.39	38.51
26 31 00 00-0096	EA	108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T)	.....	488.85	38.51
26 31 00 00-0097	EA	210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T)	.....	891.86	45.73
26 31 00 00-0098	EA	255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T)	.....	1,030.56	48.13
<b>26 31 00 00-0099</b>		<b>Deka Photovoltaic Batteries</b> <small>(26 31 00 00-0087)</small>			
26 31 00 00-0100	EA	31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1)	.....	214.89	24.12
26 31 00 00-0101	EA	50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF)	.....	294.18	24.12
26 31 00 00-0102	EA	74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24)	.....	431.72	24.12
26 31 00 00-0103	EA	86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27)	.....	493.21	24.12
26 31 00 00-0104	EA	98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31)	.....	494.83	24.12
26 31 00 00-0105	EA	183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D)	.....	954.37	24.12
26 31 00 00-0106	EA	225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D)	.....	1,103.23	24.12
<b>26 31 00 00-0107</b>		<b>Battery Enclosures</b> <small>(26 31 00 00-0087)</small>			
26 31 00 00-0108	EA	14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010)	.....	242.30	24.07
26 31 00 00-0109	EA	22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC)	.....	1,169.57	24.12
26 31 00 00-0110	EA	37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL)	.....	1,099.99	24.12
26 31 00 00-0111	EA	37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC)	.....	1,464.07	24.12
26 31 00 00-0112	EA	15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1)	.....	655.02	24.12
26 31 00 00-0113	EA	31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP)	.....	1,533.65	24.12
<b>26 31 00 00-0114</b>		<b>Photovoltaic System Monitoring</b> <small>(26 31)</small>			
26 31 00 00-0115	EA	Solar Inverter Monitor (Xantrex 864-0203)	.....	510.82	48.13
26 31 00 00-0116	EA	Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox)	.....	1,042.05	24.07
26 31 00 00-0117	EA	Sun Radiation And Temperature Monitor (SMA Sunny SensorBox)	.....	871.38	24.07
26 31 00 00-0118	EA	PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA)	.....	164.34	24.07
26 31 00 00-0119	EA	Wind Sensor Accessory For Sunny SensorBox (SMA)	.....	404.15	48.13
26 31 00 00-0120	EA	Sunny Boy Control with RS485 (SMA)	.....	1,025.06	24.07
26 31 00 00-0121	EA	RS 485 Module (SMA)	.....	236.46	24.07
26 31 00 00-0122	EA	RS 232 Module (SMA)	.....	242.30	24.07
26 31 00 00-0123	EA	Wireless Monitor with Bluetooth (SMA Sunny Beam)	.....	455.00	24.07
26 31 00 00-0124	EA	Bluetooth Piggy-Back Computer Card (SMA)	.....	245.45	24.07
26 31 00 00-0125	EA	RS485-N Communication Computer Card (SMA)	.....	243.82	24.07
26 31 00 00-0126	EA	Bluetooth Repeater (SMA)	.....	456.64	24.07
26 31 00 00-0127	EA	Sunny Boy PC Service Cable (SMA)	.....	216.20	7.22
26 31 00 00-0128	EA	Integrated Revenue Grade Meter, Option (PVPowered)	.....	4,150.43	
26 31 00 00-0129	EA	Data Monitoring Module (PVPowered PVM1010)	.....	455.69	24.07
26 31 00 00-0130	EA	Wireless IG Personal Display (Fronius 4,240,108)	.....	462.11	
26 31 00 00-0131	EA	DatCom Power Supply (Fronius 43,0001,2311)	.....	150.10	
26 31 00 00-0132	EA	Wireless Card For IG Personal Display (Fronius 4,240,008,Z)	.....	273.01	24.07
26 31 00 00-0133	EA	Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z)	.....	231.59	24.07
26 31 00 00-0134	EA	Datalogger Pro Box (Fronius 4,240,102)	.....	898.09	24.07
26 31 00 00-0135	EA	Datalogger Easy Box (Fronius 4,240,103)	.....	585.56	24.07
26 31 00 00-0136	EA	Datalogger Interface Box (Fronius 4,240,105)	.....	1,013.42	24.07
26 31 00 00-0137	EA	Datalogger Web (Fronius 4,240,122)	.....	1,738.64	24.07
26 31 00 00-0138	EA	Interface Box (Fronius 4,240,109)	.....	469.98	24.07
26 31 00 00-0139	EA	Interface Card (Fronius 4,240,009,Z)	.....	336.45	24.07
26 31 00 00-0140	EA	Interface Card Easy (Fronius 4,240,013,Z)	.....	223.18	24.07
26 31 00 00-0141	EA	Sensor Box (Fronius 4,240,104)	.....	937.80	24.07
26 31 00 00-0142	EA	Ambient Temperature Sensor (Fronius 43,0001,1188)	.....	107.44	24.07
26 31 00 00-0143	EA	Irradiance Sensor (Fronius 43,0001,1188)	.....	328.23	24.07



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 31 00 00-0144	EA		Module Temperature Sensor (Fronius 43,0001,1190) .....	365.11	24.07
26 31 00 00-0145	EA		Wind Speed Sensor (Fronius 42,0411,0027) .....	198.90	48.13

**26 31 00 00-0146 Photovoltaic System Accessories (26 31)**

26 31 00 00-0147	EA		Four Inverter Bypass Switch (OutBack AC-IOB-100Q) .....	696.95	48.13
26 31 00 00-0148	EA		Line Communication Filter (Enphase LCF) .....	1,517.75	96.26
26 31 00 00-0149	EA		15 Meter RS 485 Communication Cable (SMA) .....	116.38	7.22
26 31 00 00-0150	EA		15 Meter RS 232 Communication Cable (SMA) .....	174.63	7.22
26 31 00 00-0151	EA		24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	27.10	2.39
26 31 00 00-0152	EA		36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	29.05	2.39
26 31 00 00-0153	EA		48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	30.16	2.39
26 31 00 00-0154	EA		72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	33.21	2.39
26 31 00 00-0155	EA		120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	37.80	2.39
26 31 00 00-0156	EA		240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	60.31	4.76
26 31 00 00-0157	EA		360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	74.55	4.76
26 31 00 00-0158	EA		420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	98.12	7.15
26 31 00 00-0159	EA		36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	33.98	2.39
26 31 00 00-0160	EA		120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	46.98	2.39
26 31 00 00-0161	EA		240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	69.49	4.76
26 31 00 00-0162	EA		360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	92.42	4.76
26 31 00 00-0163	EA		600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	150.44	9.53
26 31 00 00-0164	EA		1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	156.92	9.53
26 31 00 00-0165	EA		Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery .....	2,797.43	259.90
Note: Tamper proof enclosure.					

**26 31 00 00-0166 Photovoltaic Mounting Systems (26 31)**

26 31 00 00-0167	LF		Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard) .....	9.84	2.41
26 31 00 00-0168	EA		Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229) .....	29.14	12.03
26 31 00 00-0169	EA		Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216) .....	36.35	12.03
26 31 00 00-0170	EA		8" x 3/8" Hanger Bolt (UNIRAC 310046) .....	18.92	4.81
Note: Supports mounting rail above tile or metal roof.					
26 31 00 00-0171	EA		Mounting Rail Grounding Clip (UNIRAC 980006) .....	9.23	3.61
Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.					
26 31 00 00-0172	EA		Mounting Rail Grounding Lugs (UNIRAC 980012) .....	19.25	4.81
Note: Two grounding lugs for each rail splice and one additional lug for each rail.					
26 31 00 00-0173	EA		Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002) .....	5.22	1.60
Note: Four for each row of modules you plan to mount.					
26 31 00 00-0174	EA		Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008) .....	5.46	1.60
Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.					
26 31 00 00-0175	EA		Photovoltaic Module Mount L-Foot (UNIRAC 310065) .....	13.66	4.81
26 31 00 00-0176	EA		12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121) .....	80.52	24.07
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.					
26 31 00 00-0177	EA		30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122) .....	88.68	24.07
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.					
26 31 00 00-0178	EA		44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123) .....	95.25	24.07
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.					
26 31 00 00-0179	EA		12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107) .....	118.40	36.10
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.					
26 31 00 00-0180	EA		44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108) .....	142.87	36.10
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.					
26 31 00 00-0181	EA		72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109) .....	165.07	36.10
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.					
26 31 00 00-0182	EA		18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111) .....	183.25	48.13
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.					
26 31 00 00-0183	EA		64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112) .....	241.69	48.13
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.					
26 31 00 00-0184	EA		104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110) .....	340.57	72.19
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.					
26 31 00 00-0185	EA		Ballasted Photovoltaic Module Frame (UNIRAC 310351) .....	166.43	
Note: Excludes ballast.					
26 31 00 00-0186	EA		Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355) .....	308.80	
Note: Excludes ballast.					
26 31 00 00-0187	EA		3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051) .....	64.23	24.07
26 31 00 00-0188	EA		4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052) .....	64.98	24.07
26 31 00 00-0189	EA		6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053) .....	65.67	24.07
26 31 00 00-0190	EA		7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054) .....	67.39	24.07
26 31 00 00-0191	EA		3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553) .....	59.68	24.07
26 31 00 00-0192	EA		4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554) .....	60.55	24.07
26 31 00 00-0193	EA		6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555) .....	63.08	24.07
26 31 00 00-0194	EA		7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556) .....	62.36	24.07
26 31 00 00-0195	EA		3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390) .....	121.57	36.10
26 31 00 00-0196	EA		4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391) .....	122.10	36.10
26 31 00 00-0197	EA		7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394) .....	123.64	36.10
26 31 00 00-0198	EA		Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370) .....	122.03	36.10
26 31 00 00-0199	EA		Photovoltaic Module Standoff Flashing (UNIRAC 990103) .....	23.86	4.81

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 31 Photovoltaic Collectors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 31 00 00-0200	EA	Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161) .....	15.99	4.81
26 31 00 00-0201	EA	1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100) .....	30.03	7.22
26 31 00 00-0202	EA	3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100) .....	31.20	7.22
26 31 00 00-0203	EA	Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100) .....	8.65	1.60
		Note: Mid or end clamp.		
26 31 00 00-0204	EA	Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024) .....	39.00	4.81
26 31 00 00-0205	EA	Photovoltaic Module Wire Clip (UNIRAC 908002S-0100) .....	2.10	

**26 32 Packaged Generator Assemblies (26 30)****26 32 13 Engine Generators (26 32)**

See CSI section 23 13 23 13-0001 for fuel storage tanks.

**26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)**

See CSI section 01 22 23 00-0776 for fuel reimbursement for commissioning.

**26 32 13 13-0001 Diesel Generator Sets (26 32 13 13)**

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0755 for loadbank rental, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002	EA	25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA) .....	30,325.72	853.00
		For Weather Resistant Steel Diesel Generator Enclosure, Add	3,432.95	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	8,078.40	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	10,771.20	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,740.90	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	12,679.02	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,905.36	
26 32 13 13-0003	EA	35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA) .....	32,117.41	1,050.26
		For Weather Resistant Steel Diesel Generator Enclosure, Add	3,432.95	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	8,078.40	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	10,771.20	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,740.90	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	12,679.02	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,905.36	
26 32 13 13-0004	EA	40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB) .....	33,099.84	1,151.55
		For Weather Resistant Steel Diesel Generator Enclosure, Add	3,432.95	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	8,078.40	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	10,771.20	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,740.90	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	12,679.02	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,905.36	
26 32 13 13-0005	EA	50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC) .....	38,858.67	1,322.15
		For Weather Resistant Steel Diesel Generator Enclosure, Add	3,432.95	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	8,078.40	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	10,771.20	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,740.90	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	12,679.02	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,905.36	
26 32 13 13-0006	EA	60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD) .....	41,871.78	1,519.40
		For Weather Resistant Steel Diesel Generator Enclosure, Add	3,432.95	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	8,078.40	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	10,771.20	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,740.90	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	12,679.02	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,905.36	
26 32 13 13-0007	EA	80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE) .....	49,202.05	1,780.63
		For Weather Resistant Steel Diesel Generator Enclosure, Add	3,432.95	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	8,078.40	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	10,771.20	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,740.90	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	12,679.02	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,905.36	
26 32 13 13-0008	EA	100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA) .....	52,883.96	2,068.52
		For Weather Resistant Steel Diesel Generator Enclosure, Add	5,207.06	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,351.17	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,468.23	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	11,214.72	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	13,482.41	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	17,976.55	
26 32 13 13-0009	EA	125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB) .....	54,064.01	2,452.37
		For Weather Resistant Steel Diesel Generator Enclosure, Add	5,207.06	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,351.17	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,468.23	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	11,214.72	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	13,482.41	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	17,976.55	
26 32 13 13-0010	EA	150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC) .....	59,762.04	2,702.94
		For Weather Resistant Steel Diesel Generator Enclosure, Add	5,207.06	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,351.17	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,468.23	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	11,214.72	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	13,482.41	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	17,976.55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0011 EA 175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB).....	62,799.63	3,017.48
For Weather Resistant Steel Diesel Generator Enclosure, Add	5,207.06	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,351.17	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,468.23	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	11,214.72	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	13,482.41	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	17,976.55	
26 32 13 13-0012 EA 200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC).....	66,761.01	3,305.37
For Weather Resistant Steel Diesel Generator Enclosure, Add	5,207.06	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,351.17	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,468.23	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	11,214.72	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	13,482.41	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	17,976.55	
26 32 13 13-0013 EA 230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD).....	72,021.54	3,491.97
For Weather Resistant Steel Diesel Generator Enclosure, Add	5,207.06	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,351.17	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,468.23	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	11,214.72	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	13,482.41	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	17,976.55	
26 32 13 13-0014 EA 250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA).....	75,085.64	3,635.91
For Weather Resistant Steel Diesel Generator Enclosure, Add	33,769.08	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	37,392.17	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	49,856.23	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	40,956.82	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	45,707.14	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	60,942.86	
26 32 13 13-0015 EA 275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA).....	81,750.51	3,833.16
For Weather Resistant Steel Diesel Generator Enclosure, Add	33,769.08	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	37,392.17	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	49,856.23	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	40,956.82	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	45,707.14	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	60,942.86	
26 32 13 13-0016 EA 300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB).....	83,505.18	4,003.76
For Weather Resistant Steel Diesel Generator Enclosure, Add	33,769.08	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	37,392.17	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	49,856.23	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	40,956.82	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	45,707.14	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	60,942.86	
26 32 13 13-0017 EA 350 KW Diesel Generator Set, 3 Phase (Cummins DFEG).....	94,213.67	4,478.25
For Weather Resistant Steel Diesel Generator Enclosure, Add	33,769.08	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	37,392.17	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	49,856.23	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	40,956.82	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	45,707.14	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	60,942.86	
26 32 13 13-0018 EA 400 KW Diesel Generator Set, 3 Phase (Cummins DFEH).....	101,454.95	4,904.75
For Weather Resistant Steel Diesel Generator Enclosure, Add	33,769.08	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	37,392.17	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	49,856.23	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	40,956.82	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	45,707.14	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	60,942.86	
26 32 13 13-0019 EA 450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ).....	114,649.13	5,283.26
For Weather Resistant Steel Diesel Generator Enclosure, Add	33,769.08	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	37,392.17	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	49,856.23	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	40,956.82	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	45,707.14	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	60,942.86	
26 32 13 13-0020 EA 500 KW Diesel Generator Set, 3 Phase (Cummins DFEK).....	120,610.46	5,629.79
For Weather Resistant Steel Diesel Generator Enclosure, Add	33,769.08	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	37,392.17	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	49,856.23	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	40,956.82	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	45,707.14	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	60,942.86	
26 32 13 13-0021 EA 600 KW Diesel Generator Set, 3 Phase (Cummins DQCA).....	175,727.15	6,200.23
For Weather Resistant Steel Diesel Generator Enclosure, Add	68,984.03	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	83,072.90	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	110,763.86	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	81,138.66	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	96,778.67	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	129,038.23	
26 32 13 13-0022 EA 750 KW Diesel Generator Set, 3 Phase (Cummins DQCB).....	201,296.27	6,818.66
For Weather Resistant Steel Diesel Generator Enclosure, Add	68,984.03	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	83,072.90	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	110,763.86	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	81,138.66	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	96,778.67	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	129,038.23	
26 32 13 13-0023 EA 800 KW Diesel Generator Set, 3 Phase (Cummins DQCC).....	210,231.84	6,967.93
For Weather Resistant Steel Diesel Generator Enclosure, Add	68,984.03	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	83,072.90	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	110,763.86	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	81,138.66	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	96,778.67	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	129,038.23	

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13	13-0024	EA	900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	256,630.96 68,984.03 83,072.90 110,763.86 81,138.66 96,778.67 129,038.23	7,511.72
26 32 13	13-0025	EA	1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	286,679.18 68,984.03 83,072.90 110,763.86 81,138.66 96,778.67 129,038.23	7,996.87

**26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)****26 32 13 19-0001 Natural Gas Or Propane Generator Sets (26 32 13 19)**

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0755 for loadbank rental, 26 36 23 00-0000 for automatic transfer switches.

26 32 13	19-0002	EA	20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	12,875.39 3,122.32 8,078.40 10,771.20 3,381.71 5,610.57	714.39
26 32 13	19-0003	EA	25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	14,541.18 3,122.32 8,078.40 10,771.20 3,381.71 5,610.57	853.00
26 32 13	19-0004	EA	29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,792.19 3,122.32 8,078.40 10,771.20 3,381.71 5,610.57	948.96
26 32 13	19-0005	EA	35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	19,055.34 3,122.32 8,078.40 10,771.20 9,565.50 16,055.12	1,050.26
26 32 13	19-0006	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	21,391.34 3,122.32 8,078.40 10,771.20 9,565.50 16,055.12	1,151.55
26 32 13	19-0007	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,185.67 3,122.32 8,078.40 10,771.20 9,565.50 16,055.12	1,242.18
26 32 13	19-0008	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	25,353.20 3,122.32 8,078.40 10,771.20 9,565.50 16,055.12	1,519.40
26 32 13	19-0009	EA	70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	27,199.44 3,122.32 8,078.40 10,771.20 9,565.50 16,055.12	1,700.67
26 32 13	19-0010	EA	85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	35,747.66 5,690.62 12,351.17 16,468.23 11,214.72 16,055.12	1,817.95
26 32 13	19-0011	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	43,092.53 5,690.62 12,351.17 16,468.23 11,214.72 16,055.12	2,047.20
26 32 13	19-0012	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHL)..... For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	49,342.10 5,690.62 12,351.17 16,468.23 11,214.72 16,055.12	2,452.37

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0013 EA 150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB).....	58,669.77	2,702.94
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	5,690.62	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	12,351.17	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	16,468.23	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	11,214.72	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,055.12	
26 32 13 19-0014 EA 175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA) .....	95,044.71	7,189.60
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	30,368.15	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	33,616.57	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	44,822.09	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	33,203.86	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	49,825.80	
26 32 13 19-0015 EA 205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB) .....	107,918.57	3,246.73
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	30,368.15	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	33,616.57	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	44,822.09	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	33,203.86	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	49,825.80	
26 32 13 19-0016 EA 250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC) .....	116,036.27	3,635.91
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	30,368.15	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	33,616.57	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	44,822.09	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	33,203.86	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	49,825.80	
26 32 13 19-0017 EA 300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA) .....	150,139.79	4,003.76
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	30,368.15	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	33,616.57	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	44,822.09	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	33,203.86	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	49,825.80	
26 32 13 19-0018 EA 350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB) .....	161,141.25	4,478.25
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	30,368.15	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	33,616.57	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	44,822.09	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	33,203.86	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	49,825.80	
26 32 13 19-0019 EA 450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA) .....	226,497.78	5,283.26
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	66,310.04	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	70,453.92	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	93,938.57	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	75,316.73	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	106,448.66	
26 32 13 19-0020 EA 500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB) .....	289,787.00	5,629.79
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	66,310.04	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	70,453.92	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	93,938.57	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	75,316.73	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	106,448.66	
26 32 13 19-0021 EA 550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC) .....	324,302.42	5,933.68
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	66,310.04	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	70,453.92	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	93,938.57	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	75,316.73	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	106,448.66	
26 32 13 19-0022 EA 600 KW Natural Gas Generator Set, 3 Phase (Cummins GFJA) .....	369,450.37	6,200.23
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	66,310.04	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	70,453.92	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	93,938.57	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	75,316.73	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	106,448.66	
26 32 13 19-0023 EA 650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLE) .....	386,304.71	6,434.81
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	66,310.04	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	70,453.92	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	93,938.57	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	75,316.73	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	106,448.66	
26 32 13 19-0024 EA 725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLE) .....	408,594.64	6,877.30
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	66,310.04	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	70,453.92	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	93,938.57	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	75,316.73	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	106,448.66	
<b>26 32 13 19-0025 Small Natural Gas Or Propane Air Cooled Generator Sets (26 32 13 19)</b>		
26 32 13 19-0026 EA 7.5 KW Natural Gas Or Propane Air Cooled Generator Set.....	4,312.71	447.39
Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.		
26 32 13 19-0027 EA 10 KW Natural Gas Or Propane Air Cooled Generator Set.....	5,454.30	497.11
Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.		
26 32 13 19-0028 EA 14 KW Natural Gas Or Propane Air Cooled Generator Set.....	6,264.49	530.52
Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.		
<b>26 32 29 Rotary Converters (26 32)</b>		
<b>26 32 29 00-0001 60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output (26 32 29)</b>		
26 32 29 00-0002 EA 3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	6,824.44	192.53
26 32 29 00-0003 EA 5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	8,305.67	192.53
26 32 29 00-0004 EA 7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	10,992.34	192.53
26 32 29 00-0005 EA 10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	11,078.56	192.53

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 32 29 00-0006	EA	15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....		12,302.30	240.65
26 32 29 00-0007	EA	20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....		13,320.04	240.65
26 32 29 00-0008	EA	25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....		13,945.89	240.65
26 32 29 00-0009	EA	40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....		16,986.99	317.66
26 32 29 00-0010	EA	50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....		18,873.78	317.66
<b>26 32 29 00-0011</b>		<b>60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output</b> (26 32 29)			
26 32 29 00-0012	EA	3 KW, 12 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....		7,896.77	192.53
26 32 29 00-0013	EA	5 KW, 20 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....		9,410.49	192.53
26 32 29 00-0014	EA	7.5 KW, 30 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....		10,759.03	192.53
26 32 29 00-0015	EA	10 KW, 40 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....		11,056.68	192.53
26 32 29 00-0016	EA	15 KW, 60 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....		12,527.49	240.65
26 32 29 00-0017	EA	20 KW, 80 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....		13,773.34	240.65
26 32 29 00-0018	EA	25 KW, 100 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....		14,226.64	240.65
26 32 29 00-0019	EA	40 KW, 160 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....		16,919.72	317.66
26 32 29 00-0020	EA	50 KW, 200 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....		17,946.24	317.66
<b>26 32 29 00-0021</b>		<b>460 Volt 3 Phase AC Motor Drive 250 Volt DC</b> (26 32 29)			
26 32 29 00-0022	EA	33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....		20,471.00	3,731.87
26 32 29 00-0023	EA	40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....		22,757.72	3,731.87
26 32 29 00-0024	EA	50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....		25,912.32	5,331.24
26 32 29 00-0025	EA	65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....		30,167.77	5,331.24
26 32 29 00-0026	EA	85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....		34,184.17	5,331.24
26 32 29 00-0027	EA	100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....		40,219.72	7,996.87
26 32 29 00-0028	EA	125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....		48,847.11	7,996.87
<b>26 32 29 00-0029</b>		<b>4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC</b> (26 32 29)			
26 32 29 00-0030	EA	170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....		70,781.72	10,662.49
26 32 29 00-0031	EA	200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....		77,151.97	10,662.49
26 32 29 00-0032	EA	240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....		92,783.98	13,861.23
26 32 29 00-0033	EA	320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....		105,517.63	16,846.73
26 32 29 00-0034	EA	400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....		124,880.89	16,846.73
26 32 29 00-0035	EA	560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....		176,966.14	25,163.46
26 32 29 00-0036	EA	640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....		183,323.08	25,163.46
26 32 29 00-0037	EA	800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....		210,935.68	29,321.83

**26 33 Battery Equipment** (26 30)**26 33 13 Batteries** (26 33)**26 33 13 00-0001 Standby Batteries** (26 33 13)

26 33 13 00-0002	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery.....		835.84	24.12
26 33 13 00-0003	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket .....		902.59	24.12
26 33 13 00-0004	EA	725CCA, Group 31, 12 Volt Lead Calcium Standby Battery .....		267.89	24.12
26 33 13 00-0005	EA	810CCA, Group 24, 12 Volt Lead Calcium Standby Battery .....		243.73	24.12
26 33 13 00-0006	EA	1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery .....		415.99	24.12
26 33 13 00-0007	EA	1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery.....		482.75	24.12

**26 33 43 Battery Chargers** (26 33)**26 33 43 00-0001 Solid State Chargers, Single Phase** (26 33 43)

Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.

26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt .....		2,468.41	549.57
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt .....		2,873.58	549.57
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt .....		3,162.00	549.57
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt .....		3,349.54	650.69

**26 33 53 Static Uninterruptible Power Supply** (26 33)**26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS)** (26 33 53)**26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS)** (26 33 53 00-0001)**26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)** (26 33 53 00-0002)

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0004	EA	0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120).....		981.96	95.30
		Note: Includes 12 minutes of battery backup at full load.			
26 33 53 00-0005	EA	0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120).....		1,173.76	111.18
		Note: Includes 6 minutes of battery backup at full load.			
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120).....		1,449.73	127.06
		Note: Includes 5 minutes of battery backup at full load.			
26 33 53 00-0007	EA	1.5 kVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120).....		1,774.66	142.95
		Note: Includes 5 minutes of battery backup at full load.			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0008 EA 2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120).....	2,284.58	158.83
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0009 EA 3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120).....	3,698.91	190.60
Note: Includes 4 minutes of battery backup at full load.		
<b>26 33 53 00-0010 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)</b>		
Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011 EA 3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208).....	3,629.76	190.60
Note: Includes 4 minutes of battery backup at full load.		
<b>26 33 53 00-0012 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)</b>		
Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013 EA 5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208).....	5,611.18	254.13
Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0014 EA 6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208).....	6,133.88	285.90
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0015 EA 8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208).....	9,195.22	349.43
Note: Includes 7 minutes of battery backup at full load.		
26 33 53 00-0016 EA 10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208).....	10,576.14	381.19
Note: Includes 4-1/2 minutes of battery backup at full load.		
<b>26 33 53 00-0017 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)</b>		
Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018 EA 0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230).....	1,173.76	111.18
Note: Includes 11 minutes of battery backup at full load.		
26 33 53 00-0019 EA 1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230).....	1,449.73	127.06
Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0020 EA 1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230).....	1,795.09	142.95
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0021 EA 2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230).....	2,289.51	158.83
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0022 EA 3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230).....	3,714.26	190.60
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0023 EA 5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230).....	5,380.26	254.13
Note: Includes 9 minutes of battery backup at full load.		
26 33 53 00-0024 EA 6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230).....	6,613.98	285.90
Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0025 EA 10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230).....	10,246.03	381.19
Note: Includes 3 minutes of battery backup at full load.		
<b>26 33 53 00-0026 Optional Accessories For Single Phase, Uninterruptible Power Supply Systems (26 33 53 00-0001)</b>		
26 33 53 00-0027 EA External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT).....	664.52	28.88
Note: Rack mount or tower configuration.		
26 33 53 00-0028 EA External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT).....	872.24	28.88
Note: Rack mount or tower configuration.		
26 33 53 00-0029 EA External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT).....	849.12	28.88
Note: Rack mount or tower configuration.		
26 33 53 00-0030 EA External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT).....	575.04	28.88
Note: Rack mount or tower configuration.		
26 33 53 00-0031 EA Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT).....	830.03	95.30
26 33 53 00-0032 EA Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT).....	926.29	127.06
<b>26 33 53 00-0033 Three Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)</b>		

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 33 Battery Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0034			<b>208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery (Emerson)</b> <small>(26 33 53 00-0033)</small>		
			Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035	EA		10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) .....	29,019.41	381.19
26 33 53 00-0036	EA		15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) .....	32,163.96	508.25
26 33 53 00-0037	EA		20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) .....	35,981.55	635.32
26 33 53 00-0038	EA		30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) .....	39,058.79	762.39
26 33 53 00-0039	EA		40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) .....	46,982.00	889.46
26 33 53 00-0040			<b>208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (Emerson)</b> <small>(26 33 53 00-0033)</small>		
			Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041	EA		60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) .....	63,829.37	1,516.11
26 33 53 00-0042	EA		80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) .....	69,556.74	1,877.09
26 33 53 00-0043	EA		100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) .....	76,980.63	2,189.94
26 33 53 00-0044	EA		120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) .....	94,893.94	2,478.72
26 33 53 00-0045	EA		140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) .....	98,616.05	2,767.50
26 33 53 00-0046	EA		160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) .....	102,481.38	3,056.29
26 33 53 00-0047	EA		180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) .....	107,154.38	3,345.07
26 33 53 00-0048	EA		200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) .....	111,827.39	3,633.85
26 33 53 00-0049			<b>480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (Emerson)</b> <small>(26 33 53 00-0033)</small>		
			Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050	EA		50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) .....	59,554.92	1,251.39
26 33 53 00-0051	EA		100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) .....	77,384.46	2,199.56
26 33 53 00-0052	EA		150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) .....	105,562.35	2,541.29
26 33 53 00-0053	EA		200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) .....	124,216.01	2,791.57
26 33 53 00-0054	EA		250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) .....	145,158.03	3,080.35
26 33 53 00-0055			<b>Optional Accessories For Three Phase, Uninterruptible Power Supply Systems</b> <small>(26 33 53 00-0033)</small>		
26 33 53 00-0056	EA		Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems .....	588.23	48.13
26 33 53 00-0057	EA		Network Interface Card For Three Phase Uninterruptible Power Supply Systems .....	952.67	48.13
26 33 53 00-0058	EA		Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems .....	1,808.64	96.26
26 33 53 00-0059	EA		Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems .....	5,594.36	385.04
26 33 53 00-0060	EA		12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR) .....	441.74	48.13
26 33 53 00-0061	EA		12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200) .....	242.28	48.13
26 33 53 00-0062	EA		12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250) .....	271.38	48.13
26 33 53 00-0063	EA		12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300) .....	300.49	48.13
26 33 53 00-0064	EA		12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350) .....	352.88	48.13
26 33 53 00-0065	EA		12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400) .....	370.34	48.13
26 33 53 00-0066	EA		12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500) .....	460.57	48.13
26 33 53 00-0067	EA		12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540) .....	482.40	48.13
26 33 53 00-0068			<b>Other Uninterruptable Power Supply Equipment</b> <small>(26 33 53)</small>		
26 33 53 00-0069	EA		Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In .....	4,320.11	87.93
26 33 53 00-0070	EA		Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In .....	5,210.50	175.86
26 33 53 00-0071	EA		1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel .....	23.41	5.28
26 33 53 00-0072	EA		2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel .....	41.77	6.59
26 33 53 00-0073	EA		2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel .....	77.50	6.59
26 33 53 00-0074	EA		3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel .....	113.34	8.79
26 33 53 00-0075	EA		3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel .....	160.50	8.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 33 53 00-0076	EA	Uninterrupted Power Supply Remote Status Panel .....	2,962.51	87.93
26 33 53 00-0077	EA	Uninterrupted Power Supply Remote Contact Board .....	989.31	65.95

**26 35 Power Filters and Conditioners** (26 30)

**26 35 33 Power Factor Correction Equipment** (26 35)

**26 35 33 16 Low-Voltage Power Factor Correction Equipment** (26 35 33)

**26 35 33 16-0001 Power Factor Correction Capacitors** (26 35 33 16)

26 35 33 16-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC .....	704.25	
26 35 33 16-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC .....	779.97	
26 35 33 16-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC .....	855.70	
26 35 33 16-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC .....	928.40	
26 35 33 16-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC .....	1,140.43	
26 35 33 16-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC .....	1,393.35	
26 35 33 16-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC .....	2,152.12	
26 35 33 16-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC .....	2,614.05	
26 35 33 16-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC .....	3,377.36	
26 35 33 16-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC .....	3,840.80	
26 35 33 16-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC .....	6,739.58	
26 35 33 16-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC .....	10,133.60	
26 35 33 16-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC .....	13,512.48	
26 35 33 16-0015	EA	Power Factor Correction Capacitors, Fuse Kit .....	627.01	

**26 35 43 Static-Frequency Converters** (26 35)

**26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure** (26 35 43)

26 35 43 00-0002	EA	750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure .....	516.82	96.26
26 35 43 00-0003	EA	2 KW Output Rotary Phase Converter With NEMA 1 Enclosure .....	892.43	115.51
26 35 43 00-0004	EA	3 KW Output Rotary Phase Converter With NEMA 1 Enclosure .....	1,024.26	154.02
26 35 43 00-0005	EA	5 KW Output Rotary Phase Converter With NEMA 1 Enclosure .....	1,403.92	192.53
26 35 43 00-0006	EA	7 KW Output Rotary Phase Converter With NEMA 1 Enclosure .....	1,930.40	250.28
26 35 43 00-0007	EA	11 KW Output Rotary Phase Converter With NEMA 1 Enclosure .....	2,491.15	308.04
26 35 43 00-0008	EA	15 KW Output Rotary Phase Converter With NEMA 1 Enclosure .....	3,120.39	365.79
26 35 43 00-0009	EA	21 KW Output Rotary Phase Converter With NEMA 1 Enclosure .....	3,798.85	413.92
26 35 43 00-0010	EA	29 KW Output Rotary Phase Converter With NEMA 1 Enclosure .....	4,417.36	500.55
26 35 43 00-0011	EA	36 KW Output Rotary Phase Converter With NEMA 1 Enclosure .....	5,056.21	563.13
26 35 43 00-0012	EA	44 KW Output Rotary Phase Converter With NEMA 1 Enclosure .....	5,695.07	625.70
26 35 43 00-0013	EA	55 KW Output Rotary Phase Converter With NEMA 1 Enclosure .....	7,068.04	755.65
26 35 43 00-0014	EA	74 KW Output Rotary Phase Converter With NEMA 1 Enclosure .....	9,174.09	909.67
26 35 43 00-0015	EA	87 KW Output Rotary Phase Converter With NEMA 1 Enclosure .....	11,623.63	1,107.00
26 35 43 00-0016	EA	110 KW Output Rotary Phase Converter With NEMA 1 Enclosure .....	13,300.48	1,294.71
26 35 43 00-0017	EA	125 KW Output Rotary Phase Converter With NEMA 1 Enclosure .....	17,092.21	1,443.92
26 35 43 00-0018	EA	165 KW Output Rotary Phase Converter With NEMA 1 Enclosure .....	26,039.25	1,636.43
26 35 43 00-0019	EA	220 KW Output Rotary Phase Converter With NEMA 1 Enclosure .....	38,753.58	1,828.96

**26 35 53 Voltage Regulators** (26 35)

**26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase** (26 35 53)

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear .....	5,389.43	1,530.55
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear .....	6,185.90	1,925.22
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear .....	6,919.32	2,291.02

**26 36 Transfer Switches** (26 30)

**26 36 13 Manual Transfer Switches** (26 36)

**26 36 13 00-0001 Fused Manual Transfer Switches** (26 36 13)

26 36 13 00-0002	EA	30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt .....	1,255.30	168.46
26 36 13 00-0003	EA	60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt .....	1,456.02	209.27

**26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure**

(26 36 13)

26 36 13 00-0005	EA	40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40) .....	2,666.87	248.55
		For NEMA 3R Enclosure, Add .....	853.86	
		For NEMA 12 Enclosure, Add .....	803.62	
26 36 13 00-0006	EA	70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70) .....	2,954.17	298.27
		For NEMA 3R Enclosure, Add .....	853.86	
		For NEMA 12 Enclosure, Add .....	803.62	
26 36 13 00-0007	EA	125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125) .....	3,352.89	347.98
		For NEMA 3R Enclosure, Add .....	853.86	
		For NEMA 12 Enclosure, Add .....	803.62	
26 36 13 00-0008	EA	150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150) .....	4,163.93	397.68
		For NEMA 3R Enclosure, Add .....	1,004.53	
		For NEMA 12 Enclosure, Add .....	803.62	
26 36 13 00-0009	EA	225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225) .....	5,155.11	447.39
		For NEMA 3R Enclosure, Add .....	1,004.53	
		For NEMA 12 Enclosure, Add .....	803.62	

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 36 Transfer Switches**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 36 13 00-0010	EA	260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260)	5,796.04	497.11
		<i>For NEMA 3R Enclosure, Add</i>	1,004.53	
		<i>For NEMA 12 Enclosure, Add</i>	803.62	
26 36 13 00-0011	EA	300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300)	6,447.13	546.82
		<i>For NEMA 3R Enclosure, Add</i>	1,185.35	
		<i>For NEMA 12 Enclosure, Add</i>	1,004.53	
26 36 13 00-0012	EA	400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400)	7,570.64	596.53
		<i>For NEMA 3R Enclosure, Add</i>	1,185.35	
		<i>For NEMA 12 Enclosure, Add</i>	1,004.53	
26 36 13 00-0013	EA	600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600)	10,013.80	745.66
		<i>For NEMA 3R Enclosure, Add</i>	1,185.35	
		<i>For NEMA 12 Enclosure, Add</i>	1,004.53	
26 36 13 00-0014	EA	800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800)	11,264.33	894.79
		<i>For NEMA 3R Enclosure, Add</i>	1,456.56	
		<i>For NEMA 12 Enclosure, Add</i>	1,406.34	
26 36 13 00-0015	EA	1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000)	15,053.54	1,279.49
		<i>For NEMA 3R Enclosure, Add</i>	1,456.56	
		<i>For NEMA 12 Enclosure, Add</i>	1,406.34	

**26 36 23 Automatic Transfer Switches (26 36)**

26 36 23 00-0001 Automatic Transfer Switch (26 36 23)

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23

00-0001)

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA	100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	2,405.64	347.98
26 36 23 00-0004	EA	225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,273.50	447.39
26 36 23 00-0005	EA	400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	5,207.13	596.53
26 36 23 00-0006	EA	600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	11,898.21	745.66

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23

00-0001)

26 36 23 00-0008	EA	40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40)	3,980.15	248.55
		<i>For NEMA 3R Enclosure, Add</i>	853.86	
		<i>For NEMA 4 Enclosure, Add</i>	904.08	
		<i>For NEMA 12 Enclosure, Add</i>	904.08	
26 36 23 00-0009	EA	70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70)	4,594.37	298.27
		<i>For NEMA 3R Enclosure, Add</i>	853.86	
		<i>For NEMA 4 Enclosure, Add</i>	904.08	
		<i>For NEMA 12 Enclosure, Add</i>	904.08	
26 36 23 00-0010	EA	125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125)	5,049.28	347.98
		<i>For NEMA 3R Enclosure, Add</i>	853.86	
		<i>For NEMA 4 Enclosure, Add</i>	904.08	
		<i>For NEMA 12 Enclosure, Add</i>	904.08	
26 36 23 00-0011	EA	150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150)	6,007.95	397.68
		<i>For NEMA 3R Enclosure, Add</i>	1,004.53	
		<i>For NEMA 4 Enclosure, Add</i>	1,305.89	
		<i>For NEMA 12 Enclosure, Add</i>	904.08	
26 36 23 00-0012	EA	225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225)	6,860.71	447.39
		<i>For NEMA 3R Enclosure, Add</i>	1,004.53	
		<i>For NEMA 4 Enclosure, Add</i>	1,305.89	
		<i>For NEMA 12 Enclosure, Add</i>	904.08	
26 36 23 00-0013	EA	260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260)	7,570.72	497.11
		<i>For NEMA 3R Enclosure, Add</i>	1,004.53	
		<i>For NEMA 4 Enclosure, Add</i>	1,305.89	
		<i>For NEMA 12 Enclosure, Add</i>	904.08	
26 36 23 00-0014	EA	300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300)	7,908.67	546.82
		<i>For NEMA 3R Enclosure, Add</i>	1,185.35	
		<i>For NEMA 4 Enclosure, Add</i>	1,406.34	
		<i>For NEMA 12 Enclosure, Add</i>	1,004.53	
26 36 23 00-0015	EA	400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400)	8,945.61	596.53
		<i>For NEMA 3R Enclosure, Add</i>	1,185.35	
		<i>For NEMA 4 Enclosure, Add</i>	1,406.34	
		<i>For NEMA 12 Enclosure, Add</i>	1,004.53	
26 36 23 00-0016	EA	600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600)	12,264.60	745.66
		<i>For NEMA 3R Enclosure, Add</i>	1,185.35	
		<i>For NEMA 4 Enclosure, Add</i>	1,406.34	
		<i>For NEMA 12 Enclosure, Add</i>	1,004.53	
26 36 23 00-0017	EA	800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800)	13,749.97	894.79
		<i>For NEMA 3R Enclosure, Add</i>	1,456.56	
		<i>For NEMA 4 Enclosure, Add</i>	1,607.26	
		<i>For NEMA 12 Enclosure, Add</i>	1,406.34	
26 36 23 00-0018	EA	1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000)	17,959.13	1,279.49
		<i>For NEMA 3R Enclosure, Add</i>	1,456.56	
		<i>For NEMA 4 Enclosure, Add</i>	1,607.26	
		<i>For NEMA 12 Enclosure, Add</i>	1,406.34	
26 36 23 00-0019	EA	1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200)	23,322.21	1,386.13
		<i>For NEMA 3R Enclosure, Add</i>	3,214.50	
		<i>For NEMA 4 Enclosure, Add</i>	1,808.15	
		<i>For NEMA 12 Enclosure, Add</i>	1,506.80	
26 36 23 00-0020	EA	1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600)	24,858.47	1,599.37
		<i>For NEMA 3R Enclosure, Add</i>	5,223.55	
		<i>For NEMA 4 Enclosure, Add</i>	6,428.98	
		<i>For NEMA 12 Enclosure, Add</i>	5,223.55	
26 36 23 00-0021	EA	2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000)	28,423.40	1,812.63
		<i>For NEMA 3R Enclosure, Add</i>	5,223.55	
		<i>For NEMA 4 Enclosure, Add</i>	6,428.98	
		<i>For NEMA 12 Enclosure, Add</i>	5,223.55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0022 EA 3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000).....	34,325.71	2,239.12
<i>For NEMA 3R Enclosure, Add</i>	5,223.55	
26 36 23 00-0023 EA 4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000).....	59,641.88	2,665.62
<i>For NEMA 3R Enclosure, Add</i>	24,550.65	
<b>26 36 23 00-0024 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure</b> <small>(26 36 23 00-0001)</small>		
26 36 23 00-0025 EA 150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150).....	19,743.45	1,889.01
<i>For NEMA 3R Enclosure, Add</i>	1,757.93	
<i>For NEMA 4 Enclosure, Add</i>	1,808.15	
<i>For NEMA 12 Enclosure, Add</i>	954.31	
26 36 23 00-0026 EA 225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225).....	20,607.40	1,988.43
<i>For NEMA 3R Enclosure, Add</i>	1,757.93	
<i>For NEMA 4 Enclosure, Add</i>	1,808.15	
<i>For NEMA 12 Enclosure, Add</i>	954.31	
26 36 23 00-0027 EA 260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260).....	21,602.00	2,087.85
<i>For NEMA 3R Enclosure, Add</i>	1,757.93	
<i>For NEMA 4 Enclosure, Add</i>	1,808.15	
<i>For NEMA 12 Enclosure, Add</i>	954.31	
26 36 23 00-0028 EA 300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300).....	24,140.79	2,137.57
<i>For NEMA 3R Enclosure, Add</i>	1,757.93	
<i>For NEMA 4 Enclosure, Add</i>	1,808.15	
<i>For NEMA 12 Enclosure, Add</i>	954.31	
26 36 23 00-0029 EA 400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400).....	27,906.63	2,187.27
<i>For NEMA 3R Enclosure, Add</i>	1,757.93	
<i>For NEMA 4 Enclosure, Add</i>	1,808.15	
<i>For NEMA 12 Enclosure, Add</i>	954.31	
26 36 23 00-0030 EA 600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600).....	33,561.87	2,286.69
<i>For NEMA 3R Enclosure, Add</i>	1,757.93	
<i>For NEMA 4 Enclosure, Add</i>	1,808.15	
<i>For NEMA 12 Enclosure, Add</i>	1,004.53	
26 36 23 00-0031 EA 800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800).....	37,020.40	2,386.12
<i>For NEMA 3R Enclosure, Add</i>	1,808.15	
<i>For NEMA 4 Enclosure, Add</i>	1,808.15	
<i>For NEMA 12 Enclosure, Add</i>	1,104.99	
26 36 23 00-0032 EA 1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000).....	46,550.54	2,783.80
<i>For NEMA 3R Enclosure, Add</i>	1,808.15	
<i>For NEMA 4 Enclosure, Add</i>	1,808.15	
<i>For NEMA 12 Enclosure, Add</i>	1,104.99	
26 36 23 00-0033 EA 1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200).....	61,262.67	3,198.74
<i>For NEMA 3R Enclosure, Add</i>	8,036.22	
<i>For NEMA 4 Enclosure, Add</i>	10,045.28	
<i>For NEMA 12 Enclosure, Add</i>	8,036.22	
26 36 23 00-0034 EA 1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600).....	80,009.53	3,412.00
<i>For NEMA 3R Enclosure, Add</i>	17,076.96	
<i>For NEMA 4 Enclosure, Add</i>	17,076.96	
<i>For NEMA 12 Enclosure, Add</i>	15,911.72	
26 36 23 00-0035 EA 2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000).....	90,863.50	3,731.87
<i>For NEMA 3R Enclosure, Add</i>	17,076.96	
<i>For NEMA 4 Enclosure, Add</i>	17,076.96	
<i>For NEMA 12 Enclosure, Add</i>	15,911.72	
26 36 23 00-0036 EA 3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	145,509.19	4,264.99
<i>For NEMA 3R Enclosure, Add</i>	21,095.07	
26 36 23 00-0037 EA 4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....	157,040.28	4,798.11
<i>For NEMA 3R Enclosure, Add</i>	21,095.07	
<b>26 36 23 00-0038 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure</b> <small>(26 36 23 00-0001)</small>		
26 36 23 00-0039 EA 40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....	6,514.60	248.55
<i>For NEMA 3R Enclosure, Add</i>	502.27	
<i>For NEMA 12 Enclosure, Add</i>	904.08	
26 36 23 00-0040 EA 70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	7,041.34	298.27
<i>For NEMA 3R Enclosure, Add</i>	502.27	
<i>For NEMA 12 Enclosure, Add</i>	904.08	
26 36 23 00-0041 EA 125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	7,567.17	347.98
<i>For NEMA 3R Enclosure, Add</i>	502.27	
<i>For NEMA 12 Enclosure, Add</i>	904.08	
26 36 23 00-0042 EA 150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	9,090.37	397.68
<i>For Four Pole Circuit Breaker, Add</i>	2,511.32	
<i>For NEMA 3R Enclosure, Add</i>	502.27	
<i>For NEMA 12 Enclosure, Add</i>	904.08	
26 36 23 00-0043 EA 225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	11,845.81	447.39
<i>For Four Pole Circuit Breaker, Add</i>	2,511.32	
<i>For NEMA 3R Enclosure, Add</i>	502.27	
<i>For NEMA 12 Enclosure, Add</i>	904.08	

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 36 Transfer Switches**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 36 23 00-0044	EA	250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	12,609.23	497.11
		For Four Pole Circuit Breaker, Add	2,511.32	
		For NEMA 3R Enclosure, Add	502.27	
		For NEMA 12 Enclosure, Add	904.08	
26 36 23 00-0045	EA	300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	13,109.28	546.82
		For Four Pole Circuit Breaker, Add	3,415.40	
		For NEMA 3R Enclosure, Add	1,305.89	
		For NEMA 12 Enclosure, Add	1,004.53	
26 36 23 00-0046	EA	400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	14,837.85	596.53
		For Four Pole Circuit Breaker, Add	3,415.40	
		For NEMA 3R Enclosure, Add	1,305.89	
		For NEMA 12 Enclosure, Add	1,004.53	
26 36 23 00-0047	EA	600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	18,001.20	745.66
		For Four Pole Circuit Breaker, Add	3,415.40	
		For NEMA 3R Enclosure, Add	1,305.89	
		For NEMA 12 Enclosure, Add	1,004.53	
26 36 23 00-0048	EA	800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	18,737.84	894.79
		For Four Pole Circuit Breaker, Add	4,871.96	
		For NEMA 3R Enclosure, Add	2,250.15	
		For NEMA 12 Enclosure, Add	1,406.34	
26 36 23 00-0049	EA	1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	22,269.18	1,279.49
		For Four Pole Circuit Breaker, Add	4,871.96	
		For NEMA 3R Enclosure, Add	2,250.15	
		For NEMA 12 Enclosure, Add	1,406.34	
<b>26 36 23 00-0050</b>		<b>Accessories</b> <small>(26 36 23)</small>		
26 36 23 00-0051	EA	Auxiliary Contacts For Automatic Transfer Switch.....	233.06	
26 36 23 00-0052	EA	Battery Charger For Automatic Transfer Switch.....	1,908.61	
26 36 23 00-0053	EA	Elevator Relay Signal For Automatic Transfer Switch.....	693.13	

**26 40 Electrical And Cathodic Protection** (26)**26 41 Facility Lightning Protection** (26 40)**26 41 13 Lightning Protection for Structures** (26 41)**26 41 13 13 Lightning Protection for Buildings** (26 41 13)**26 41 13 13-0001 Lightning Protection** (26 41 13 13)**26 41 13 13-0002 Air Terminals For Lightning Protection** (26 41 13 13-0001)**26 41 13 13-0003 Copper Lightning Protection Air Terminals** (26 41 13 13-0002)

26 41 13 13-0004	EA	3/8" x 10" Copper Lightning Protection Air Terminal.....	63.10	9.63
26 41 13 13-0005	EA	1/2" x 12" Copper Lightning Protection Air Terminal.....	78.20	9.63
26 41 13 13-0006	EA	5/8" x 12" Copper Lightning Protection Air Terminal.....	102.53	9.63
26 41 13 13-0007	EA	1/2" x 24" Copper Lightning Protection Air Terminal.....	113.91	9.63
26 41 13 13-0008	EA	1/2" x 60" Copper Lightning Protection Air Terminal.....	222.64	19.25

**26 41 13 13-0009 Aluminum Lightning Protection Air Terminals** (26 41 13 13-0002)

26 41 13 13-0010	EA	3/8" x 10" Aluminum Lightning Protection Air Terminal.....	53.00	9.63
26 41 13 13-0011	EA	1/2" x 12" Aluminum Lightning Protection Air Terminal.....	67.72	9.63
26 41 13 13-0012	EA	5/8" x 12" Aluminum Lightning Protection Air Terminal.....	85.60	9.63
26 41 13 13-0013	EA	1/2" x 24" Aluminum Lightning Protection Air Terminal.....	95.22	9.63
26 41 13 13-0014	EA	1/2" x 60" Aluminum Lightning Protection Air Terminal.....	184.14	19.25

**26 41 13 13-0015 Terminal Bases For Lightning Protection** (26 41 13 13-0001)**26 41 13 13-0016 Copper Lightning Protection Terminal Bases** (26 41 13 13-0015)

26 41 13 13-0017	EA	Adhesive Base For Copper Lightning Protection Terminal.....	80.04	28.88
26 41 13 13-0018	EA	Bolted Base For Copper Lightning Protection Terminal.....	103.16	38.51
26 41 13 13-0019	EA	Hinged Base For Copper Lightning Protection Terminal.....	140.61	48.13
26 41 13 13-0020	EA	Side Mounted Base For Copper Lightning Protection Terminal.....	103.16	38.51
26 41 13 13-0021	EA	Offset Point Support For Copper Lightning Protection Terminal.....	111.06	38.51
26 41 13 13-0022	EA	Concealed Base Assembly For Copper Lightning Protection Terminal.....	195.52	77.00
26 41 13 13-0023	EA	36" Tripod Base For 60" Copper Lightning Protection Terminal.....	138.54	48.13
26 41 13 13-0024	EA	Intermediate Base For Copper Lightning Protection Terminal.....	80.04	28.88

**26 41 13 13-0025 Aluminum Lightning Protection Terminal Bases** (26 41 13 13-0015)

26 41 13 13-0026	EA	Adhesive Base For Aluminum Lightning Protection Terminal.....	71.82	28.88
26 41 13 13-0027	EA	Bolted Base For Aluminum Lightning Protection Terminal.....	99.22	38.51
26 41 13 13-0028	EA	Hinged Base For Aluminum Lightning Protection Terminal.....	132.76	48.13
26 41 13 13-0029	EA	Side Mounted Base For Aluminum Lightning Protection Terminal.....	99.52	38.51
26 41 13 13-0030	EA	Offset Point Support For Aluminum Lightning Protection Terminal.....	103.74	38.51
26 41 13 13-0031	EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal.....	188.73	77.00
26 41 13 13-0032	EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal.....	129.64	48.13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 41 13 13-0033 EA Intermediate Base For Aluminum Lightning Protection Terminal .....	71.82	28.88
<b>26 41 13 13-0034 Connectors (26 41 13 13-0001)</b>		
<b>26 41 13 13-0035 Copper Cable Connectors (26 41 13 13-0034)</b>		
26 41 13 13-0036 EA Thru Wall Cable Connector For Copper Lightning Protection System .....	161.51	48.13
26 41 13 13-0037 EA Thru Roof Adapter Assembly For Copper Lightning Protection System .....	216.85	77.00
26 41 13 13-0038 EA Beam Connector For Copper Lightning Protection System .....	142.04	48.13
26 41 13 13-0039 EA Double Bolt Cable Connector For Copper Lightning Protection System .....	34.87	9.63
26 41 13 13-0040 EA Cable To Bar Connector For Copper Lightning Protection System .....	36.19	9.63
26 41 13 13-0041 EA Tee Connector For Copper Lightning Protection Terminal .....	109.28	28.88
<b>26 41 13 13-0042 Aluminum Cable Connectors (26 41 13 13-0034)</b>		
26 41 13 13-0043 EA Thru Wall Cable Connector For Aluminum Lightning Protection System .....	145.73	48.13
26 41 13 13-0044 EA Thru Roof Adapter Assembly For Aluminum Lightning Protection System .....	206.08	77.00
26 41 13 13-0045 EA Beam Connector For Aluminum Lightning Protection System .....	136.68	48.13
26 41 13 13-0046 EA Double Bolt Cable Connector For Aluminum Lightning Protection System .....	32.12	9.63
26 41 13 13-0047 EA Tee Connector For Aluminum Lightning Protection Terminal .....	95.07	28.88
<b>26 41 13 13-0048 Bonding Plates (26 41 13 13-0001)</b>		
<b>26 41 13 13-0049 Copper Bonding Plates (26 41 13 13-0048)</b>		
26 41 13 13-0050 EA 8" Square I Beam Bonding Plate For Copper Lightning Protection System .....	123.24	48.13
26 41 13 13-0051 EA 8" Square Purlin Bonding Plate For Copper Lightning Protection System .....	128.06	48.13
26 41 13 13-0052 EA 16" Square Bonding Plate For Copper Lightning Protection System .....	187.79	77.00
<b>26 41 13 13-0053 Aluminum Bonding Plates (26 41 13 13-0048)</b>		
26 41 13 13-0054 EA 8" Square I Beam Bonding Plate For Aluminum Lightning Protection System .....	117.08	48.13
26 41 13 13-0055 EA 8" Square Purlin Bonding Plate For Aluminum Lightning Protection System .....	121.91	48.13
26 41 13 13-0056 EA 16" Square Bonding Plate For Aluminum Lightning Protection System .....	176.37	77.00
<b>26 41 13 13-0057 Cable Supports (26 41 13 13-0001)</b>		
<b>26 41 13 13-0058 Copper Cable Supports (26 41 13 13-0057)</b>		
26 41 13 13-0059 EA Loop Fastener, Copper Cable Supports For Lightning Protection System .....	21.92	9.63
26 41 13 13-0060 EA Adhesive Cable Holder, Copper Cable Support For Lightning Protection System .....	22.32	9.63
<b>26 41 13 13-0061 Aluminum Cable Supports (26 41 13 13-0057)</b>		
26 41 13 13-0062 EA Loop Fastener, Aluminum Cable Supports For Lightning Protection System .....	21.60	9.63
26 41 13 13-0063 EA Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System .....	21.47	9.63
<b>26 41 13 13-0064 Bonding Straps (26 41 13 13-0001)</b>		
<b>26 41 13 13-0065 Copper Bonding Straps (26 41 13 13-0064)</b>		
26 41 13 13-0066 EA 3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System .....	65.54	28.88
<b>26 41 13 13-0067 Aluminum Bonding Straps (26 41 13 13-0064)</b>		
26 41 13 13-0068 EA 3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System .....	61.56	28.88
<b>26 41 13 13-0069 Accessories For Lightning Protection (26 41 13 13-0001)</b>		
See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
<b>26 41 13 13-0070 Copper Adapters (26 41 13 13-0069)</b>		
26 41 13 13-0071 EA Swivel Adapters For Copper Lightning Protection System .....	27.41	4.81
<b>26 41 13 13-0072 Aluminum Adapters (26 41 13 13-0069)</b>		
26 41 13 13-0073 EA Swivel Adapters For Aluminum Lightning Protection System .....	26.64	4.81
26 41 13 13-0074 EA Floor Ground Receptacle For Aluminum Lightning Protection System .....	163.52	48.13
<b>26 41 23 Lightning Protection Surge Arresters and Suppressors (26 41)</b>		
<b>26 41 23 00-0001 Surge And Lightning Arrestors (26 41 23)</b>		
<b>26 41 23 00-0002 Metal Top Intermediate Type IMX (26 41 23 00-0001)</b>		
Note: For outdoor construction, single phase.		
26 41 23 00-0003 EA 3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,091.71	222.85
26 41 23 00-0004 EA 4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,192.21	222.85
26 41 23 00-0005 EA 6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,192.21	222.85
26 41 23 00-0006 EA 7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,378.84	222.85
26 41 23 00-0007 EA 9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,378.84	222.85
26 41 23 00-0008 EA 10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,533.89	222.85
26 41 23 00-0009 EA 12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,533.89	222.85
26 41 23 00-0010 EA 15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	2,104.72	278.55
26 41 23 00-0011 EA 18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	2,185.11	278.55
26 41 23 00-0012 EA 21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	2,388.04	334.26

**26 Electrical****26 40 Electrical And Cathodic Protection****26 41 Facility Lightning Protection**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 41 23 00-0013	EA	24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	2,594.77	334.26
26 41 23 00-0014	EA	27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	3,114.47	334.26
<b>26 41 23 00-0015</b>		<b>Porcelain Top Intermediate Type IMX</b> (26 41 23 00-0001)		
		Note: For cubicle mounting, single phase.		
26 41 23 00-0016	EA	3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,091.71	222.85
26 41 23 00-0017	EA	4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,192.21	222.85
26 41 23 00-0018	EA	6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,192.21	222.85
26 41 23 00-0019	EA	7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,378.84	222.85
26 41 23 00-0020	EA	9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,378.84	222.85
26 41 23 00-0021	EA	10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,533.89	222.85
26 41 23 00-0022	EA	12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,533.89	222.85
26 41 23 00-0023	EA	15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	2,104.72	278.55
26 41 23 00-0024	EA	18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	2,185.11	278.55
26 41 23 00-0025	EA	21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	2,388.04	334.26
26 41 23 00-0026	EA	24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	2,594.77	334.26
26 41 23 00-0027	EA	27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	3,114.47	334.26
<b>26 41 23 00-0028</b>		<b>IMX Accessories</b> (26 41 23 00-0001)		
26 41 23 00-0029	EA	1 Crossarm Bracket Reversible 3-27 KV IMX .....	884.98	222.85
26 41 23 00-0030	EA	Single Unit Horizontal Pole Mounted Bracket (IMX) .....	873.50	222.85
26 41 23 00-0031	EA	3 Unit Horizontal Pole Mounted Bracket (IMX) .....	787.47	222.85
<b>26 41 23 00-0032</b>		<b>Lightning Arrestor And Cutouts</b> (26 41 23 00-0001)		
26 41 23 00-0033	EA	3 KV La Distribution Class, Lightning Arrestor .....	563.40	222.85
26 41 23 00-0034	EA	3 KV La Interior Class, Lightning Arrestor .....	1,168.20	222.85
26 41 23 00-0035	EA	3 KV La Station Class, Lightning Arrestor .....	1,091.71	222.85
26 41 23 00-0036	EA	9 KV La Distribution Class, Lightning Arrestor .....	626.57	222.85
26 41 23 00-0037	EA	9 KV La Interior Class, Lightning Arrestor .....	1,335.65	222.85
26 41 23 00-0038	EA	9 KV La Station Class, Lightning Arrestor .....	1,378.84	222.85
26 41 23 00-0039	EA	5 KV Enclosed Fused Cutout .....	724.77	222.85
26 41 23 00-0040	EA	15 KV Open Fused Cutout .....	766.71	278.55
26 41 23 00-0041	EA	18 KV La Distribution Class, Lightning Arrestor .....	593.34	222.85
26 41 23 00-0042	EA	18 KV La Interior Class, Lightning Arrestor .....	1,425.16	222.85
<b>26 43 Surge Protective Devices</b> (26 40)				
<b>26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits</b> (26 43)				
<b>26 43 13 00-0001</b>		<b>25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression</b> (26 43 13)		
		Note: Liebert LPL		
26 43 13 00-0002	EA	120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor .....	258.99	24.07
26 43 13 00-0003	EA	208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor .....	280.39	24.07
26 43 13 00-0004	EA	240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor .....	290.02	28.88
26 43 13 00-0005	EA	277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor .....	243.26	19.25
26 43 13 00-0006	EA	480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor .....	290.02	28.88
<b>26 43 13 00-0007</b>		<b>50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression</b> (26 43 13)		
		Note: Liebert LPL		
26 43 13 00-0008	EA	120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor .....	364.43	24.07
26 43 13 00-0009	EA	208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor .....	386.28	28.88
26 43 13 00-0010	EA	208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor .....	376.65	24.07
26 43 13 00-0011	EA	480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor .....	386.28	28.88
<b>26 43 13 00-0012</b>		<b>100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression</b> (26 43 13)		
		Note: Liebert LPL		
26 43 13 00-0013	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor .....	443.88	24.07
26 43 13 00-0014	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor .....	465.74	28.88
26 43 13 00-0015	EA	277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor .....	415.93	19.25
26 43 13 00-0016	EA	480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor .....	465.74	28.88
<b>26 43 13 00-0017</b>		<b>100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression</b> (26 43 13)		
		Note: Liebert LPM		
26 43 13 00-0018	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor .....	526.39	24.07
26 43 13 00-0019	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor .....	592.56	28.88
26 43 13 00-0020	EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor .....	499.97	19.25
<b>26 43 13 00-0021</b>		<b>160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression</b> (26 43 13)		
		Note: Liebert LPM		
26 43 13 00-0022	EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor .....	936.36	28.88
26 43 13 00-0023	EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor .....	926.73	24.07
26 43 13 00-0024	EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor .....	936.36	28.88
<b>26 43 13 00-0025</b>		<b>250 kA, 500 Joule Transient Voltage Surge Suppression</b> (26 43 13)		
		Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor .....	5,487.53	48.13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 43 13 00-0027	EA		Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	6,709.93	48.13
<b>26 43 13 00-0028</b>			<b>Class 1310 Transient Voltage Surge Suppression</b> <small>(26 43 13)</small>		
			Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
<b>26 43 13 00-0029</b>			<b>NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor</b> <small>(26 43 13 00-0028)</small>		
			Note: Square D. EMA series.		
26 43 13 00-0030	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,381.47	125.14
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0031	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,828.86	144.39
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0032	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,079.60	168.46
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0033	EA		320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	9,436.56	192.53
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0034	EA		480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	13,975.25	264.72
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0035	EA		120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,575.02	125.14
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0036	EA		160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,041.48	144.39
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0037	EA		240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,408.09	168.46
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0038	EA		320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	9,863.18	192.53
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0039	EA		480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	14,633.57	264.72
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0040	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,575.02	125.14
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0041	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,041.48	144.39
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0042	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,408.04	168.46
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0043	EA		320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	9,863.18	192.53
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0044	EA		480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	14,633.57	264.72
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0045	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,768.59	125.14
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0046	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,256.84	144.39
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0047	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,739.28	168.46
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0048	EA		320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,292.58	192.53
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0049	EA		480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	15,294.57	264.72
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0050	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,993.48	125.14
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0051	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,480.41	144.39
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0052	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,085.48	168.46
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0053	EA		320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,742.36	192.53
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0054	EA		480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	15,051.24	264.72
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
<b>26 43 13 00-0055</b>			<b>NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor</b> <small>(26 43 13 00-0028)</small>		
			Note: Square D EBA series.		

**26 Electrical****26 40 Electrical And Cathodic Protection****26 43 Surge Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0056	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,400.15 265.68 203.04	125.14
26 43 13 00-0057	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,111.98 265.68 203.04	144.39
26 43 13 00-0058	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,051.92 265.68 203.04	168.46
26 43 13 00-0059	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,510.55 265.68 203.04	125.14
26 43 13 00-0060	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,275.53 265.68 203.04	144.39
26 43 13 00-0061	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,265.91 265.68 203.04	168.46
26 43 13 00-0062	EA		120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,510.55 265.68 203.04	125.14
26 43 13 00-0063	EA		160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,275.53 265.68 203.04	144.39
26 43 13 00-0064	EA		240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,265.91 265.68 203.04	168.46
26 43 13 00-0065	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,650.95 265.68 203.04	125.14
26 43 13 00-0066	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,451.36 265.68 203.04	144.39
26 43 13 00-0067	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,539.86 265.68 203.04	168.46
26 43 13 00-0068	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,798.15 265.68 203.04	125.14
26 43 13 00-0069	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,638.08 265.68 203.04	144.39
26 43 13 00-0070	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,827.45 265.68 203.04	168.46
<b>26 43 13 00-0071</b>			<b>NEMA 4X Modular Device Transient Voltage Surge Suppressor</b> <small>(26 43 13 00-0028)</small> Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,669.48 265.68 203.04	125.14
26 43 13 00-0073	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,116.87 265.68 203.04	144.39
26 43 13 00-0074	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,367.61 265.68 203.04	168.46
26 43 13 00-0075	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,863.03 265.68 203.04	125.14
26 43 13 00-0076	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,329.49 265.68 203.04	144.39
26 43 13 00-0077	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,696.10 265.68 203.04	168.46
26 43 13 00-0078	EA		120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,863.03 265.68 203.04	125.14
26 43 13 00-0079	EA		160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,329.49 265.68 203.04	144.39
26 43 13 00-0080	EA		240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,696.05 265.68 203.04	168.46
26 43 13 00-0081	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,056.60 265.68 203.04	125.14
26 43 13 00-0082	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,544.85 265.68 203.04	144.39
26 43 13 00-0083	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	9,027.29 265.68 203.04	168.46
26 43 13 00-0084	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,281.49 265.68 203.04	125.14



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 43 13 00-0085	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device	Transient Voltage Surge Suppressor .....	6,768.42	144.39
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0086	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device	Transient Voltage Surge Suppressor .....	9,373.49	168.46
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	

**26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028)**

Note: Square D EBA series. Stainless steel.

26 43 13 00-0088	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device	Transient Voltage Surge Suppressor .....	4,688.17	125.14
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0089	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device	Transient Voltage Surge Suppressor .....	5,399.99	144.39
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0090	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device	Transient Voltage Surge Suppressor .....	7,339.94	168.46
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0091	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device	Transient Voltage Surge Suppressor .....	4,798.56	125.14
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0092	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device	Transient Voltage Surge Suppressor .....	5,563.55	144.39
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0093	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device	Transient Voltage Surge Suppressor .....	7,553.92	168.46
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0094	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device	Transient Voltage Surge Suppressor .....	4,798.56	125.14
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0095	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device	Transient Voltage Surge Suppressor .....	5,563.55	144.39
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0096	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device	Transient Voltage Surge Suppressor .....	7,553.92	168.46
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0097	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device	Transient Voltage Surge Suppressor .....	4,938.96	125.14
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0098	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device	Transient Voltage Surge Suppressor .....	5,739.37	144.39
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0099	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device	Transient Voltage Surge Suppressor .....	7,827.87	168.46
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0100	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device	Transient Voltage Surge Suppressor .....	5,086.16	125.14
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0101	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device	Transient Voltage Surge Suppressor .....	5,926.10	144.39
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0102	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device	Transient Voltage Surge Suppressor .....	8,115.46	168.46
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	

**26 50 Lighting (26)**

Note: Light fixtures include testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

**26 51 Interior Lighting (26 50)**

**26 51 13 Incandescent Interior Lighting (26 51)**

26 51 13 00-0001	EA	Recessed Fixtures <small>(26 51 13)</small>	<small>Note: Housing and trim priced separately.</small>		
26 51 13 00-0002	EA	Incandescent, Recessed Fixture Housings <small>(26 51 13 00-0001)</small>			
26 51 13 00-0003	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing .....		67.47	27.53
		<i>For ICAT Housing, Add</i>		3.36	
26 51 13 00-0004	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing .....		67.47	27.53
		<i>For ICAT Housing, Add</i>		3.36	
26 51 13 00-0005	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing .....		71.64	28.88
		<i>For ICAT Housing, Add</i>		3.65	
26 51 13 00-0006	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing .....		75.96	30.13
		<i>For ICAT Housing, Add</i>		3.96	
26 51 13 00-0007	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing .....		80.29	31.38
		<i>For ICAT Housing, Add</i>		4.27	
26 51 13 00-0008	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing .....		81.79	33.30
		<i>For ICAT Housing, Add</i>		4.09	
26 51 13 00-0009	EA	Recessed Fixture Trim <small>(26 51 13 00-0001)</small>			
26 51 13 00-0010	EA	Circular, Recessed Fixture Trim .....		52.48	13.48
26 51 13 00-0011	EA	Circular Clear Lens, Recessed Fixture Trim .....		58.39	13.48
26 51 13 00-0012	EA	Open/Baffle, Recessed Fixture Trim .....		68.63	13.48
26 51 13 00-0013	EA	Specular Reflector, Recessed Fixture Trim .....		74.05	13.48

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 51 13 00-0014	EA	Eyeball, Recessed Fixture Trim .....	58.47		13.48
26 51 13 00-0015	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim .....	55.30		13.48
26 51 13 00-0016	EA	10" To 12" Square, Drop Dish, Recessed Fixture Trim .....	58.94		13.48
<b>26 51 13 00-0017</b>		<b>Wall Mounted Fixtures (26 51 13)</b>			
<b>26 51 13 00-0018</b>		<b>Wall Mounted Vanity Light Fixtures (26 51 13 00-0017)</b>			
26 51 13 00-0019	EA	1 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2706) .....	107.01		38.51
26 51 13 00-0020	EA	2 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2707) .....	131.70		38.51
26 51 13 00-0021	EA	3 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2708) .....	178.25		38.51
26 51 13 00-0022	EA	4 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2709) .....	216.56		38.51
26 51 13 00-0023	EA	5 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2713) .....	260.41		38.51
26 51 13 00-0024	EA	6 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2714) .....	315.07		38.51
<b>26 51 13 00-0025</b>		<b>Track Lighting (26 51 13)</b>			
<b>26 51 13 00-0026</b>		<b>Track Lighting Tracks (26 51 13 00-0025)</b>			
26 51 13 00-0027	LF	1 Circuit Track Lighting Track .....	34.66		6.36
26 51 13 00-0028	LF	2 Circuit Track Lighting Track .....	47.01		6.36
26 51 13 00-0029	LF	3 Circuit Track Lighting Track .....	57.40		6.36
26 51 13 00-0030	LF	4 Circuit Track Lighting Track .....	67.78		7.70
<b>26 51 13 00-0031</b>		<b>Incandescent Track Lighting Fixtures (26 51 13 00-0025)</b>			
26 51 13 00-0032	EA	Incandescent Track Lighting Fixture .....	67.92		16.07
26 51 13 00-0033	EA	Par 20 Track Fixture, White Or Black Finish, 120 Volt .....	78.26		16.07
26 51 13 00-0034	EA	Par 30 Track Fixture, White Or Black Finish, 120 Volt .....	120.10		16.07
26 51 13 00-0035	EA	Par 38 Track Fixture, White Or Black Finish, 120 Volt .....	124.25		16.07
26 51 13 00-0036	EA	PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt .....	97.20		16.07
26 51 13 00-0037	EA	PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt .....	78.26		16.07
26 51 13 00-0038	EA	PAR 30, Baffled Cylinder Track Fixture, White or Black Finish .....	95.21		16.07
		Note: 120V.			
26 51 13 00-0039	EA	PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt .....	128.40		16.07
<b>26 51 13 00-0040</b>		<b>Track Lighting Accessories (26 51 13 00-0025)</b>			
<b>26 51 13 00-0041</b>		<b>Pendant Mounting (26 51 13 00-0040)</b>			
26 51 13 00-0042	EA	Track Lighting Pendant Mounting, Up to 12" .....	24.11		
26 51 13 00-0043	EA	Track Lighting Pendant Mounting, >12" To 24" .....	31.51		
26 51 13 00-0044	EA	Track Lighting Pendant Mounting, >24" To 36" .....	38.58		
<b>26 51 13 00-0045</b>		<b>Wet Location, Dust Resistant, Vapor Tight Fixtures (26 51 13)</b>			
<b>26 51 13 00-0046</b>		<b>Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 13 00-0045)</b>			
26 51 13 00-0047	EA	100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	122.38		38.51
		<i>For Wall Mounted, Add</i>	5.10		
26 51 13 00-0048	EA	200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	142.78		38.51
		<i>For Wall Mounted, Add</i>	5.10		
<b>26 51 16</b>		<b>Fluorescent Interior Lighting (26 51)</b>			
<b>26 51 16 00-0001</b>		<b>Fluorescent Fixtures (26 51 16)</b>			
<b>26 51 16 00-0002</b>		<b>Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0001)</b>			
<b>26 51 16 00-0003</b>		<b>6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)</b>			
26 51 16 00-0004	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture .....	149.66		27.52
26 51 16 00-0005	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture .....	167.96		27.52
<b>26 51 16 00-0006</b>		<b>6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)</b>			
26 51 16 00-0007	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	168.09		28.66
26 51 16 00-0008	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	186.94		28.66
<b>26 51 16 00-0009</b>		<b>1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)</b>			
26 51 16 00-0010	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	199.35		32.18
26 51 16 00-0011	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	235.96		32.18
26 51 16 00-0012	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	276.43		32.18
<b>26 51 16 00-0013</b>		<b>2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)</b>			
26 51 16 00-0014	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture .....	163.43		35.17
26 51 16 00-0015	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture .....	189.11		35.17



**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 16 00-0061	EA	2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	239.15 18.60	27.52
26 51 16 00-0062	EA	3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	279.49 18.60	27.52
<b>26 51 16 00-0063</b>		<b>1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> (26 51 16 00-0058)		
26 51 16 00-0064	EA	1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	266.45 21.76	31.92
26 51 16 00-0065	EA	2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	269.93 21.76	31.92
26 51 16 00-0066	EA	3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	303.30 21.76	31.92
<b>26 51 16 00-0067</b>		<b>2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> (26 51 16 00-0058)		
26 51 16 00-0068	EA	2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	275.75 23.75	35.17
26 51 16 00-0069	EA	3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	279.70 23.75	35.17
26 51 16 00-0070	EA	4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	319.44 23.75	35.17
<b>26 51 16 00-0071</b>		<b>2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> (26 51 16 00-0058)		
26 51 16 00-0072	EA	2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	258.44 27.70	40.98
26 51 16 00-0073	EA	3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	300.27 27.70	40.98
26 51 16 00-0074	EA	4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	339.99 27.70	40.98
26 51 16 00-0075	EA	6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	383.34 27.70	40.98
<b>26 51 16 00-0076</b>		<b>Direct-Indirect, Recessed Fluorescent Fixtures</b> (26 51 16 00-0038)		
<b>26 51 16 00-0077</b>		<b>1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures</b> (26 51 16 00-0076)		
26 51 16 00-0078	EA	1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	494.69 21.76	31.92
26 51 16 00-0079	EA	2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	498.17 21.76	31.92
26 51 16 00-0080	EA	1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	588.26 21.76	31.92
26 51 16 00-0081	EA	2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	599.24 21.76	31.92
<b>26 51 16 00-0082</b>		<b>2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures</b> (26 51 16 00-0076)		
26 51 16 00-0083	EA	2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	396.15 23.74	35.17
26 51 16 00-0084	EA	3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	441.46 23.74	35.17
26 51 16 00-0085	EA	2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	541.09 23.74	35.17
<b>26 51 16 00-0086</b>		<b>2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures</b> (26 51 16 00-0076)		
26 51 16 00-0087	EA	2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	442.22 27.70	40.98
26 51 16 00-0088	EA	3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	543.96 27.70	40.98
26 51 16 00-0089	EA	1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	580.90 27.70	40.98
26 51 16 00-0090	EA	2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	638.91 27.70	40.98
<b>26 51 16 00-0091</b>		<b>Volumetric, Recessed Fluorescent Fixtures</b> (26 51 16 00-0038)		
<b>26 51 16 00-0092</b>		<b>1' x 4', Volumetric, Recessed Fluorescent Fixtures</b> (26 51 16 00-0091)		
26 51 16 00-0093	EA	2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	388.10 21.76	31.92
26 51 16 00-0094	EA	2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	511.74 21.76	31.92
<b>26 51 16 00-0095</b>		<b>2' x 2', Volumetric, Recessed Fluorescent Fixtures</b> (26 51 16 00-0091)		
26 51 16 00-0096	EA	2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	387.56 23.74	35.17
26 51 16 00-0097	EA	2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	442.85 23.74	35.17
<b>26 51 16 00-0098</b>		<b>2' x 4', Volumetric, Recessed Fluorescent Fixtures</b> (26 51 16 00-0091)		

<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0099	EA		2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	430.53 27.70	40.98
26 51 16 00-0100	EA		2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	431.45 27.70	40.98
26 51 16 00-0101			<b>Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> (26 51 16 00-0038)		
26 51 16 00-0102			<b>1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> (26 51 16 00-0101)		
26 51 16 00-0103	EA		2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	360.82 21.76	31.92
26 51 16 00-0104			<b>2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> (26 51 16 00-0101)		
26 51 16 00-0105	EA		2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	348.75 23.74	35.17
26 51 16 00-0106			<b>2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> (26 51 16 00-0101)		
26 51 16 00-0107	EA		2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	418.84 27.70	40.98
26 51 16 00-0108	EA		3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	428.32 27.70	40.98
26 51 16 00-0109	EA		4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	478.41 27.70	40.98
26 51 16 00-0110			<b>Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> (26 51 16 00-0038)		
26 51 16 00-0111			<b>1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> (26 51 16 00-0110)		
26 51 16 00-0112	EA		2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	344.02 21.76	31.92
26 51 16 00-0113			<b>2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> (26 51 16 00-0110)		
26 51 16 00-0114	EA		2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	348.35 23.74	35.17
26 51 16 00-0115			<b>2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> (26 51 16 00-0110)		
26 51 16 00-0116	EA		2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	428.26 27.70	40.98
26 51 16 00-0117	EA		3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	435.01 27.70	40.98
26 51 16 00-0118	EA		4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	445.44 27.70	40.98
26 51 16 00-0119			<b>Striplight Fluorescent Fixtures</b> (26 51 16 00-0001)		
26 51 16 00-0120			<b>1 Lamp Cross Section, Striplight Fluorescent Fixtures</b> (26 51 16 00-0119)		
26 51 16 00-0121	EA		1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	151.55	26.38
26 51 16 00-0122	EA		2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	184.31	26.38
26 51 16 00-0123	EA		3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	182.18	29.28
26 51 16 00-0124	EA		4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	185.35	32.18
26 51 16 00-0125	EA		8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	225.22	38.12
26 51 16 00-0126			<b>2 Lamp Cross Section, Striplight Fluorescent Fixtures</b> (26 51 16 00-0119)		
26 51 16 00-0127	EA		2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture.....	185.38	29.28
26 51 16 00-0128	EA		3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture.....	191.27	32.18
26 51 16 00-0129	EA		4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture.....	193.23	35.17
26 51 16 00-0130			<b>3 Lamp Cross Section, Striplight Fluorescent Fixtures</b> (26 51 16 00-0119)		
26 51 16 00-0131	EA		2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture.....	267.57	29.28
26 51 16 00-0132	EA		3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture.....	259.66	32.18
26 51 16 00-0133	EA		4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture.....	260.40	35.17
26 51 16 00-0134			<b>Display Case Fluorescent Fixtures</b> (26 51 16 00-0119)		
26 51 16 00-0135	EA		1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W).....	109.29	28.88
26 51 16 00-0136	EA		1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W).....	141.21	28.88
26 51 16 00-0137	EA		1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W).....	152.63	33.69
26 51 16 00-0138	EA		1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W).....	155.88	33.69

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 16 00-0139		Industrial Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0140		1 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 16 00-0139)</small>		
26 51 16 00-0141	EA	2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture .....	215.25	26.38
26 51 16 00-0142	EA	4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture .....	227.11	32.18
26 51 16 00-0143	EA	8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture .....	411.29	40.98
26 51 16 00-0144		2 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 16 00-0139)</small>		
26 51 16 00-0145	EA	2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture .....	223.59	29.28
26 51 16 00-0146	EA	4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture .....	235.00	35.17
26 51 16 00-0147	EA	8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture .....	418.24	40.98
26 51 16 00-0148		3 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 16 00-0139)</small>		
26 51 16 00-0149	EA	2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture .....	233.00	29.28
26 51 16 00-0150	EA	4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture .....	242.57	35.17
26 51 16 00-0151	EA	8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture .....	363.32	40.98
26 51 16 00-0152		4 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 16 00-0139)</small>		
26 51 16 00-0153	EA	4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture .....	329.56	35.17
26 51 16 00-0154	EA	8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture .....	479.45	40.98
26 51 16 00-0155		Flanged Fluorescent Fixture <small>(26 51 16 00-0001)</small>		
		Note: For plaster or drywall application. With electronic ballast.		
26 51 16 00-0156	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture .....	316.05	52.76
26 51 16 00-0157	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture .....	374.11	52.76
26 51 16 00-0158	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture .....	377.59	52.76
26 51 16 00-0159		Undercabinet Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0160	EA	1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture .....	115.27	23.74
26 51 16 00-0161	EA	1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture .....	134.54	29.01
26 51 16 00-0162	EA	2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture .....	132.46	29.01
26 51 16 00-0163	EA	1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture .....	159.25	31.65
26 51 16 00-0164	EA	2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture .....	185.16	36.93
26 51 16 00-0165		Surface Mounted, T5HO Fluorescent Fixture <small>(26 51 16 00-0001)</small>		
		Note: For 8' fixture, use two (2) 4' fixtures		
26 51 16 00-0166	EA	1 T5HO Lamp, 60 W, 4' Length, Surface Mounted, Fluorescent Fixture .....	386.49	40.98
		For Instant Quartz Restrike, Add	60.00	
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
		For Acrylic Lens, Add	54.00	
		For Gasketed/Wet Location, Add	57.75	
26 51 16 00-0167	EA	2 T5HO Lamps, 120 W, 4' Length, Surface Mounted, Fluorescent Fixture .....	317.10	40.98
		For Instant Quartz Restrike, Add	60.00	
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
		For Acrylic Lens, Add	54.00	
		For Gasketed/Wet Location, Add	57.75	
26 51 16 00-0168	EA	3 T5HO Lamps, 182 W, 4' Length, Surface Mounted, Fluorescent Fixture .....	331.02	40.98
		For Instant Quartz Restrike, Add	60.00	
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
		For Acrylic Lens, Add	54.00	
		For Gasketed/Wet Location, Add	57.75	
26 51 16 00-0169	EA	4 T5HO Lamps, 240 W, 4' Length, Surface Mounted, Fluorescent Fixture .....	382.30	40.98
		For Instant Quartz Restrike, Add	60.00	
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
		For Acrylic Lens, Add	54.00	
		For Gasketed/Wet Location, Add	57.75	
26 51 16 00-0170	EA	6 T5HO Lamps, 358 W, 4' Length, Surface Mounted, Fluorescent Fixture .....	488.50	40.98
		For Instant Quartz Restrike, Add	60.00	
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
		For Acrylic Lens, Add	54.00	
		For Gasketed/Wet Location, Add	57.75	
26 51 16 00-0171		Corner Mounted, Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
		Note: Includes acrylic drop dish diffuser.		
26 51 16 00-0172		2' Length, Corner Mounted, Fluorescent Fixtures <small>(26 51 16 00-0171)</small>		
26 51 16 00-0173	EA	1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture .....	201.86	26.38
26 51 16 00-0174	EA	2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture .....	224.85	26.38
26 51 16 00-0175		3' Length, Corner Mounted, Fluorescent Fixtures <small>(26 51 16 00-0171)</small>		
26 51 16 00-0176	EA	1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture .....	230.57	27.70
26 51 16 00-0177	EA	2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture .....	252.39	27.70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0178			<b>4' Length, Corner Mounted, Fluorescent Fixtures</b> <small>(26 51 16 00-0171)</small>		
26 51 16 00-0179	EA		1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture .....	226.03	29.01
26 51 16 00-0180	EA		2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture .....	247.51	29.01
26 51 16 00-0181			<b>Wall Bracket, Fluorescent Fixtures</b> <small>(26 51 16 00-0001)</small>		
26 51 16 00-0182			<b>Wall Bracket, Fluorescent Fixtures (Lithonia W)</b> <small>(26 51 16 00-0181)</small> Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0183			<b>2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)</b> <small>(26 51 16 00-0182)</small>		
26 51 16 00-0184	EA		1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W) .....	210.15	44.28
26 51 16 00-0185	EA		2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	213.51	44.28
26 51 16 00-0186			<b>3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)</b> <small>(26 51 16 00-0182)</small>		
26 51 16 00-0187	EA		1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W) .....	279.74	44.28
26 51 16 00-0188	EA		2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	284.44	44.28
26 51 16 00-0189			<b>4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)</b> <small>(26 51 16 00-0182)</small>		
26 51 16 00-0190	EA		1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W) .....	291.06	44.28
26 51 16 00-0191	EA		2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	294.42	44.28
26 51 16 00-0192			<b>Wall Bracket, Fluorescent Fixtures (Lithonia WP)</b> <small>(26 51 16 00-0181)</small> Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0193			<b>2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)</b> <small>(26 51 16 00-0192)</small>		
26 51 16 00-0194	EA		1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP) .....	470.79	44.28
26 51 16 00-0195	EA		2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	474.15	44.28
26 51 16 00-0196			<b>3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)</b> <small>(26 51 16 00-0192)</small>		
26 51 16 00-0197	EA		1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP) .....	369.73	44.28
26 51 16 00-0198	EA		2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	374.42	44.28
26 51 16 00-0199			<b>4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)</b> <small>(26 51 16 00-0192)</small>		
26 51 16 00-0200	EA		1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	427.00	44.28
26 51 16 00-0201	EA		2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	430.36	44.28
26 51 16 00-0202			<b>Wall Bracket, Fluorescent Fixtures (Lithonia WC)</b> <small>(26 51 16 00-0181)</small> Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0203			<b>2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)</b> <small>(26 51 16 00-0202)</small>		
26 51 16 00-0204	EA		1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	200.09	44.28
26 51 16 00-0205	EA		2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	203.46	44.28
26 51 16 00-0206			<b>3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)</b> <small>(26 51 16 00-0202)</small>		
26 51 16 00-0207	EA		1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	201.43	44.28
26 51 16 00-0208	EA		2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	206.13	44.28
26 51 16 00-0209			<b>4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)</b> <small>(26 51 16 00-0202)</small>		
26 51 16 00-0210	EA		1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	192.39	44.28
26 51 16 00-0211	EA		2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	195.75	44.28
26 51 16 00-0212			<b>Low Occupancy, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0001)</small>		
26 51 16 00-0213	EA		1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP) .....	257.80	32.18
26 51 16 00-0214	EA		2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP) .....	262.20	35.17
26 51 16 00-0215			<b>Ceiling Mounted Fluorescent Fixtures</b> <small>(26 51 16)</small>		
26 51 16 00-0216			<b>Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures</b> <small>(26 51 16 00-0215)</small>		
26 51 16 00-0217			<b>Glass Globe, Compact Fluorescent/Incandescent Fixtures</b> <small>(26 51 16 00-0216)</small>		
26 51 16 00-0218	EA		6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture.....	125.60	38.51
26 51 16 00-0219	EA		9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture.....	148.80	38.51
26 51 16 00-0220			<b>Ceiling Mounted, Circline Fluorescent Fixtures</b> <small>(26 51 16 00-0215)</small>		
26 51 16 00-0221			<b>Exposed Lamps, Circline Fluorescent Fixtures</b> <small>(26 51 16 00-0220)</small>		
26 51 16 00-0222	EA		8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture .....	106.38	38.51
26 51 16 00-0223	EA		12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture .....	116.27	38.51
26 51 16 00-0224			<b>Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures</b> <small>(26 51 16 00-0220)</small>		

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 51 16 00-0225	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	156.35		38.51
26 51 16 00-0226	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	220.22		38.51
26 51 16 00-0227	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	264.47		38.51
26 51 16 00-0228	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	177.04		38.51
26 51 16 00-0229	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	221.53		38.51
26 51 16 00-0230	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	264.47		38.51
26 51 16 00-0231		<b>Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures (26 51 16 00-0215)</b>			
26 51 16 00-0232		<b>Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures (26 51 16 00-0231)</b>			
26 51 16 00-0233	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture .....	159.74		38.51
26 51 16 00-0234	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture .....	205.02		38.51
26 51 16 00-0235	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture .....	244.78		38.51
26 51 16 00-0236	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture .....	128.53		38.51
26 51 16 00-0237	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture .....	152.89		38.51
26 51 16 00-0238	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture .....	199.06		38.51
26 51 16 00-0239		<b>Pendant Mounted, Compact Fluorescent/Incandescent Downlights (26 51 16 00-0215)</b>			
26 51 16 00-0240		<b>Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights (26 51 16 00-0239)</b>			
26 51 16 00-0241	EA	6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight .....	245.87		31.63
26 51 16 00-0242		<b>Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle (26 51 16 00-0239)</b>			
26 51 16 00-0243	EA	6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	281.19		31.63
26 51 16 00-0244	EA	8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	395.14		31.63
26 51 16 00-0245		<b>Pendant Mounted, Horizontal Indirect Fluorescent Fixtures (26 51 16 00-0215)</b>			
26 51 16 00-0246	EA	1 T5HO Lamp, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture .....	215.89		31.63
26 51 16 00-0247	EA	2 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	229.50		31.63
26 51 16 00-0248	EA	3 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	274.23		31.63
26 51 16 00-0249	EA	2 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	284.66		31.63
26 51 16 00-0250	EA	4 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	340.17		31.63
26 51 16 00-0251	EA	6 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	405.58		31.63
26 51 16 00-0252		<b>Finelite Fluorescent Fixtures (26 51 16 00-0215)</b>			
26 51 16 00-0253		<b>Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10) (26 51 16 00-0252)</b>			
26 51 16 00-0254	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	363.64		44.85
		<i>For Dual Circuit, Add</i>	88.88		
26 51 16 00-0255	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	360.99		44.85
		<i>For Dual Circuit, Add</i>	88.08		
26 51 16 00-0256	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	388.98		44.85
		<i>For Dual Circuit, Add</i>	96.48		
26 51 16 00-0257	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	438.82		44.85
		<i>For Dual Circuit, Add</i>	111.43		
26 51 16 00-0258	EA	2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	480.72		44.85
		<i>For Dual Circuit, Add</i>	124.00		
26 51 16 00-0259	EA	3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	590.01		44.85
		<i>For Dual Circuit, Add</i>	156.79		
26 51 16 00-0260	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	516.09		46.78
		<i>For Dual Circuit, Add</i>	100.53		
26 51 16 00-0261	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	529.17		46.78
		<i>For Dual Circuit, Add</i>	103.47		
26 51 16 00-0262	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	585.14		46.78
		<i>For Dual Circuit, Add</i>	116.06		
26 51 16 00-0263	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	568.42		46.78
		<i>For Dual Circuit, Add</i>	112.30		
26 51 16 00-0264	EA	4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	713.47		46.78
		<i>For Dual Circuit, Add</i>	144.94		
26 51 16 00-0265	EA	6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	840.15		46.78
		<i>For Dual Circuit, Add</i>	173.44		
26 51 16 00-0266	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	680.79		48.71
		<i>For Dual Circuit, Add</i>	91.43		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0267	EA		6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	703.47	48.71
			<i>For Dual Circuit, Add</i>	94.84	
26 51 16 00-0268	EA		9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	775.17	48.71
			<i>For Dual Circuit, Add</i>	105.59	
26 51 16 00-0269	EA		3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	789.91	48.71
			<i>For Dual Circuit, Add</i>	107.80	
26 51 16 00-0270	EA		6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	976.86	48.71
			<i>For Dual Circuit, Add</i>	135.84	
26 51 16 00-0271	EA		9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,169.94	48.71
			<i>For Dual Circuit, Add</i>	164.81	
<b>26 51 16 00-0272 Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O) <small>(26 51 16 00-0252)</small></b>					
26 51 16 00-0273	EA		1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	405.06	44.85
			<i>For Dual Circuit, Add</i>	101.30	
26 51 16 00-0274	EA		1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	443.11	44.85
			<i>For Dual Circuit, Add</i>	112.72	
26 51 16 00-0275	EA		1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	443.11	44.85
			<i>For Dual Circuit, Add</i>	112.72	
26 51 16 00-0276	EA		2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	597.62	46.78
			<i>For Dual Circuit, Add</i>	118.87	
26 51 16 00-0277	EA		2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	642.53	46.78
			<i>For Dual Circuit, Add</i>	128.97	
26 51 16 00-0278	EA		2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	642.52	46.78
			<i>For Dual Circuit, Add</i>	128.97	
26 51 16 00-0279	EA		3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	790.18	48.71
			<i>For Dual Circuit, Add</i>	107.84	
26 51 16 00-0280	EA		3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	904.33	48.71
			<i>For Dual Circuit, Add</i>	124.97	
26 51 16 00-0281	EA		3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	904.32	48.71
			<i>For Dual Circuit, Add</i>	124.96	
<b>26 51 16 00-0282 Fluorescent, Recessed Fixture Housings <small>(26 51 16)</small></b>					
26 51 16 00-0283	EA		4" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	108.87	27.53
			<i>For ICAT Housing, Add</i>	8.70	
26 51 16 00-0284	EA		5" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	112.54	27.53
			<i>For ICAT Housing, Add</i>	9.18	
26 51 16 00-0285	EA		6" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	117.25	28.78
			<i>For ICAT Housing, Add</i>	9.54	
26 51 16 00-0286	EA		7" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	123.22	29.84
			<i>For ICAT Housing, Add</i>	10.06	
26 51 16 00-0287	EA		8" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	128.43	31.38
			<i>For ICAT Housing, Add</i>	10.48	
26 51 16 00-0288	EA		10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing.....	132.99	33.30
			<i>For ICAT Housing, Add</i>	10.70	
<b>26 51 16 00-0289 Compact Fluorescent, Recessed Fixture Housings <small>(26 51 16)</small></b>					
26 51 16 00-0290	EA		4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	124.67	27.53
			<i>For ICAT Housing, Add</i>	10.74	
26 51 16 00-0291	EA		5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	128.29	27.53
			<i>For ICAT Housing, Add</i>	11.21	
26 51 16 00-0292	EA		6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	133.13	28.88
			<i>For ICAT Housing, Add</i>	11.59	
26 51 16 00-0293	EA		7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	137.01	30.13
			<i>For ICAT Housing, Add</i>	11.84	
26 51 16 00-0294	EA		8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	141.48	31.38
			<i>For ICAT Housing, Add</i>	12.17	
26 51 16 00-0295	EA		10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	145.77	33.30
			<i>For ICAT Housing, Add</i>	12.35	
<b>26 51 16 00-0296 Fluorescent Track Lighting Fixtures <small>(26 51 16)</small></b>					
26 51 16 00-0297	EA		2L 18W BX Track Fixture, Electronic Ballast.....	353.14	16.07
			Note: White or Black Finish, 120V.		
26 51 16 00-0298	EA		2L 39W BX Track Fixture, Electronic Ballast.....	369.73	16.07
			Note: White or Black Finish, 120V.		
26 51 16 00-0299	EA		2L 40W BX Track Fixture, Electronic Ballast.....	380.11	16.07
			Note: White or Black Finish, 120V.		
26 51 16 00-0300	EA		2L 50W BX Track Fixture, Electronic Ballast.....	335.26	16.07
			Note: White or Black Finish, 120V.		
26 51 16 00-0301	EA		2L, 55 Watt BX Track Fixture, Electronic Ballast.....	430.69	16.07
			Note: White or Black Finish, 120V.		

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 51 16 00-0302		<b>Compact Fluorescent Track Lighting Fixtures</b> <small>(26 51 16)</small>			
26 51 16 00-0303	EA	Compact Fluorescent Track Lighting Fixture.....	79.84		16.07
26 51 16 00-0304		<b>Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures</b> <small>(26 51 16)</small>			
26 51 16 00-0305	EA	13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture ..... <i>For Wall Mounted, Add</i>	132.91 6.02		38.51
26 51 16 00-0306	EA	22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture ..... <i>For Wall Mounted, Add</i>	136.92 6.02		38.51
26 51 16 00-0307	EA	28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture ..... <i>For Wall Mounted, Add</i>	146.84 6.02		38.51
26 51 16 00-0308		<b>Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures</b> <small>(26 51 16)</small>			
26 51 16 00-0309		<b>4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0308)</small>			
26 51 16 00-0310		<b>4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW)</b> <small>(26 51 16 00-0309)</small>			
		Note: Includes high impact acrylic molded lens.			
26 51 16 00-0311	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) ..... <i>For T5 Fixture Instead Of T8, Add</i>	245.90 21.11		40.98
26 51 16 00-0312	EA	2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) ..... <i>For T5 Fixture Instead Of T8, Add</i>	256.89 22.37		40.98
26 51 16 00-0313	EA	3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) ..... <i>For T5 Fixture Instead Of T8, Add</i>	405.97 39.43		40.98
26 51 16 00-0314	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	350.49		40.98
26 51 16 00-0315	EA	2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	567.08		40.98
26 51 16 00-0316		<b>4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W)</b> <small>(26 51 16 00-0309)</small>			
		Note: Includes high impact acrylic molded lens.			
26 51 16 00-0317	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	259.64		40.98
26 51 16 00-0318	EA	2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	262.08		40.98
26 51 16 00-0319	EA	3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	379.49		40.98
26 51 16 00-0320	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	316.55		40.98
26 51 16 00-0321	EA	2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	330.67		40.98
26 51 16 00-0322		<b>8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0308)</small>			
		Note: Includes high impact acrylic molded lens.			
26 51 16 00-0323		<b>8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW)</b> <small>(26 51 16 00-0322)</small>			
		Note: Includes high impact acrylic molded lens.			
26 51 16 00-0324	EA	2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW) ..... <i>For T5 Fixture Instead Of T8, Add</i>	468.02 44.02		55.66
26 51 16 00-0325	EA	4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW) ..... <i>For T5 Fixture Instead Of T8, Add</i>	484.79 45.94		55.66
26 51 16 00-0326		<b>High Bay Fluorescent Fixtures</b> <small>(26 51 16)</small>			
26 51 16 00-0327		<b>(T8) Fluorescent, High Bay Fixtures</b> <small>(26 51 16 00-0326)</small>			
26 51 16 00-0328		<b>(T8) Fluorescent, High Bay Fixtures (Lithonia)</b> <small>(26 51 16 00-0327)</small>			
		Note: For 8' fixture, use two (2) 4' fixtures.			
26 51 16 00-0329	EA	2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) ..... <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	366.18 40.50 47.75 54.00		89.69
26 51 16 00-0330	EA	3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) ..... <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	383.26 40.50 47.75 54.00		99.36
26 51 16 00-0331	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) ..... <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	433.82 40.50 47.75 54.00		113.43
26 51 16 00-0332	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) ..... <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	516.79 40.50 47.75 54.00		119.50
26 51 16 00-0333	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) ..... <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	560.04 40.50 47.75 54.00		125.04
26 51 16 00-0334	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)..... <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	365.46 40.50 47.75 54.00		113.43

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0335	EA		6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	381.21	119.50
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0336	EA		8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	438.03	125.04
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
<b>26 51 16 00-0337</b>			<b>(T5HO) Fluorescent, High Bay Fixtures (26 51 16 00-0326)</b>		
<b>26 51 16 00-0338</b>			<b>(T5HO) Fluorescent, High Bay Fixtures (Lithonia) (26 51 16 00-0337)</b>		
			Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0339	EA		2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	373.31	89.69
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0340	EA		3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	392.05	99.36
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0341	EA		4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	446.85	113.43
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0342	EA		6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	539.86	119.50
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0343	EA		4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	394.77	113.43
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0344	EA		6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	436.60	119.50
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0345	EA		8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	514.42	125.04
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
<b>26 51 19</b>			<b>LED Interior Lighting (26 51)</b>		
<b>26 51 19 00-0001</b>			<b>LED Fixtures (26 51 19)</b>		
<b>26 51 19 00-0002</b>			<b>Undercabinet LED Fixtures (26 51 19 00-0001)</b>		
26 51 19 00-0003	EA		12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6).....	120.36	23.74
			For >50 To 100, Deduct	-4.00	
			For >100 To 250, Deduct	-7.01	
			For >250 To 500, Deduct	-12.04	
			For >500, Deduct	-17.06	
26 51 19 00-0004	EA		18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6).....	150.95	29.01
			For >50 To 100, Deduct	-4.98	
			For >100 To 250, Deduct	-8.76	
			For >250 To 500, Deduct	-15.10	
			For >500, Deduct	-21.43	
26 51 19 00-0005	EA		24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6).....	159.82	29.01
			For >50 To 100, Deduct	-5.20	
			For >100 To 250, Deduct	-9.20	
			For >250 To 500, Deduct	-15.98	
			For >500, Deduct	-22.76	
26 51 19 00-0006	EA		9" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7002).....	109.41	23.74
			For >50 To 100, Deduct	-3.72	
			For >100 To 250, Deduct	-6.46	
			For >250 To 500, Deduct	-10.94	
			For >500, Deduct	-15.42	
26 51 19 00-0007	EA		12" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7012).....	121.11	23.74
			For >50 To 100, Deduct	-4.02	
			For >100 To 250, Deduct	-7.04	
			For >250 To 500, Deduct	-12.11	
			For >500, Deduct	-17.18	
26 51 19 00-0008	EA		18" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7005).....	138.91	23.74
			For >50 To 100, Deduct	-4.46	
			For >100 To 250, Deduct	-7.93	
			For >250 To 500, Deduct	-13.89	
			For >500, Deduct	-19.85	
26 51 19 00-0009	EA		24" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7013).....	156.15	23.74
			For >50 To 100, Deduct	-4.89	
			For >100 To 250, Deduct	-8.80	
			For >250 To 500, Deduct	-15.62	
			For >500, Deduct	-22.43	
26 51 19 00-0010	EA		24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30).....	117.72	23.75
			For >50 To 100, Deduct	-3.93	
			For >100 To 250, Deduct	-6.88	
			For >250 To 500, Deduct	-11.77	
			For >500, Deduct	-16.67	

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0011			Surface Mount Linear/Striplight LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0012			Striplight LED Fixtures (Lithonia ZL) (26 51 19 00-0011)		
26 51 19 00-0013	EA		3,000 Lumens, 2' Length, LED Striplight Fixture (Lithonia ZL1).....	184.93	26.38
			For >50 To 100, Deduct	-5.61	
			For >100 To 250, Deduct	-10.24	
			For >250 To 500, Deduct	-18.49	
			For >500, Deduct	-26.75	
26 51 19 00-0014	EA		2,800 Lumens, 4' Length, LED Striplight Fixture (Lithonia ZL1).....	193.72	32.18
			For >50 To 100, Deduct	-6.05	
			For >100 To 250, Deduct	-10.90	
			For >250 To 500, Deduct	-19.37	
			For >500, Deduct	-27.85	
26 51 19 00-0015	EA		1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	209.34	26.38
			For >50 To 100, Deduct	-6.22	
			For >100 To 250, Deduct	-11.46	
			For >250 To 500, Deduct	-20.93	
			For >500, Deduct	-30.41	
26 51 19 00-0016	EA		2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	218.13	32.18
			For >50 To 100, Deduct	-6.66	
			For >100 To 250, Deduct	-12.12	
			For >250 To 500, Deduct	-21.81	
			For >500, Deduct	-31.51	
26 51 19 00-0017	EA		4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	275.14	32.18
			For >50 To 100, Deduct	-8.09	
			For >100 To 250, Deduct	-14.97	
			For >250 To 500, Deduct	-27.51	
			For >500, Deduct	-40.06	
26 51 19 00-0018			Striplight LED Fixtures (Mobern) (26 51 19 00-0011)		
26 51 19 00-0019	EA		1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30).....	157.18	26.38
			For >50 To 100, Deduct	-4.92	
			For >100 To 250, Deduct	-8.85	
			For >250 To 500, Deduct	-15.72	
			For >500, Deduct	-22.59	
26 51 19 00-0020			Striplight LED Fixtures (Eaton) (26 51 19 00-0011)		
26 51 19 00-0021	EA		2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U).....	199.67	32.18
			For >50 To 100, Deduct	-6.20	
			For >100 To 250, Deduct	-11.19	
			For >250 To 500, Deduct	-19.97	
			For >500, Deduct	-28.74	
26 51 19 00-0022	EA		2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U).....	188.63	32.18
			For >50 To 100, Deduct	-5.92	
			For >100 To 250, Deduct	-10.64	
			For >250 To 500, Deduct	-18.86	
			For >500, Deduct	-27.09	
26 51 19 00-0023	EA		2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U).....	199.67	32.18
			For >50 To 100, Deduct	-6.20	
			For >100 To 250, Deduct	-11.19	
			For >250 To 500, Deduct	-19.97	
			For >500, Deduct	-28.74	
26 51 19 00-0024			Lay-In/Troffer LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0025			Prismatic Lensed, Lay-In/Troffer LED Fixtures (26 51 19 00-0024)		
26 51 19 00-0026			Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0025)		
26 51 19 00-0027	EA		1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4).....	416.10	31.92
			For Drywall Or Plaster Ceilings With Frame Kit, Add	32.90	
			For >50 To 100, Deduct	-11.61	
			For >100 To 250, Deduct	-22.01	
			For >250 To 500, Deduct	-41.61	
			For >500, Deduct	-61.21	
26 51 19 00-0028	EA		2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2).....	290.42	35.17
			For Drywall Or Plaster Ceilings, Add	23.74	
			For >50 To 100, Deduct	-8.58	
			For >100 To 250, Deduct	-15.84	
			For >250 To 500, Deduct	-29.04	
			For >500, Deduct	-42.24	
26 51 19 00-0029	EA		2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4).....	421.39	40.98
			For Drywall Or Plaster Ceilings With Frame Kit, Add	36.46	
			For >50 To 100, Deduct	-12.07	
			For >100 To 250, Deduct	-22.61	
			For >250 To 500, Deduct	-42.14	
			For >500, Deduct	-61.67	
26 51 19 00-0030			Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) (26 51 19 00-0025)		
26 51 19 00-0031	EA		1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4).....	597.03	31.92
			For >50 To 100, Deduct	-16.13	
			For >100 To 250, Deduct	-31.06	
			For >250 To 500, Deduct	-59.70	
			For >500, Deduct	-88.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0032	EA	2' x 2'	3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5).....	421.80	35.17
			<i>For &gt;50 To 100, Deduct</i>	-11.86	
			<i>For &gt;100 To 250, Deduct</i>	-22.41	
			<i>For &gt;250 To 500, Deduct</i>	-42.18	
			<i>For &gt;500, Deduct</i>	-61.95	
26 51 19 00-0033	EA	2' x 4'	4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4).....	548.78	40.98
			<i>For &gt;50 To 100, Deduct</i>	-15.26	
			<i>For &gt;100 To 250, Deduct</i>	-28.98	
			<i>For &gt;250 To 500, Deduct</i>	-54.88	
			<i>For &gt;500, Deduct</i>	-80.78	
<b>26 51 19 00-0034</b>			<b>Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED)</b> <small>(26 51 19 00-0025)</small>		
26 51 19 00-0035	EA	2,591 Lumens, 2' x 2'	Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	279.86	35.17
			<i>For &gt;50 To 100, Deduct</i>	-8.32	
			<i>For &gt;100 To 250, Deduct</i>	-15.31	
			<i>For &gt;250 To 500, Deduct</i>	-27.99	
			<i>For &gt;500, Deduct</i>	-40.66	
26 51 19 00-0036	EA	3,883 Lumens, 2' x 2'	Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	309.16	35.17
			<i>For &gt;50 To 100, Deduct</i>	-9.05	
			<i>For &gt;100 To 250, Deduct</i>	-16.78	
			<i>For &gt;250 To 500, Deduct</i>	-30.92	
			<i>For &gt;500, Deduct</i>	-45.06	
26 51 19 00-0037	EA	3,700 Lumens, 2' x 2'	Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40).....	263.74	35.17
			<i>For &gt;50 To 100, Deduct</i>	-7.91	
			<i>For &gt;100 To 250, Deduct</i>	-14.51	
			<i>For &gt;250 To 500, Deduct</i>	-26.37	
			<i>For &gt;500, Deduct</i>	-38.24	
26 51 19 00-0038	EA	4,200 Lumens, 2' x 2'	Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45).....	263.74	35.17
			<i>For &gt;50 To 100, Deduct</i>	-7.91	
			<i>For &gt;100 To 250, Deduct</i>	-14.51	
			<i>For &gt;250 To 500, Deduct</i>	-26.37	
			<i>For &gt;500, Deduct</i>	-38.24	
26 51 19 00-0039	EA	4,600 Lumens, 2' x 2'	Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50).....	282.79	35.17
			<i>For &gt;50 To 100, Deduct</i>	-8.39	
			<i>For &gt;100 To 250, Deduct</i>	-15.46	
			<i>For &gt;250 To 500, Deduct</i>	-28.28	
			<i>For &gt;500, Deduct</i>	-41.10	
<b>26 51 19 00-0040</b>			<b>Volumetric, Lay-In/Troffer LED Fixtures</b> <small>(26 51 19 00-0024)</small>		
<b>26 51 19 00-0041</b>			<b>Volumetric, Lay-In/Troffer LED Fixtures (Lithonia)</b> <small>(26 51 19 00-0040)</small>		
26 51 19 00-0042	EA	1' x 4'	2,500 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4) .....	268.00	31.92
			<i>For Drywall Or Plaster Ceilings, Add</i>	21.76	
			<i>For &gt;50 To 100, Deduct</i>	-7.91	
			<i>For &gt;100 To 250, Deduct</i>	-14.61	
			<i>For &gt;250 To 500, Deduct</i>	-26.80	
			<i>For &gt;500, Deduct</i>	-38.99	
26 51 19 00-0043	EA	2' x 2'	2,400 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2) .....	239.22	35.17
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	25.15	
			<i>For &gt;50 To 100, Deduct</i>	-7.30	
			<i>For &gt;100 To 250, Deduct</i>	-13.28	
			<i>For &gt;250 To 500, Deduct</i>	-23.92	
			<i>For &gt;500, Deduct</i>	-34.56	
26 51 19 00-0044	EA	2' x 2'	3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2) .....	300.21	35.17
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	28.20	
			<i>For &gt;50 To 100, Deduct</i>	-8.82	
			<i>For &gt;100 To 250, Deduct</i>	-16.33	
			<i>For &gt;250 To 500, Deduct</i>	-30.02	
			<i>For &gt;500, Deduct</i>	-43.71	
26 51 19 00-0045	EA	2' x 2'	4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2) .....	243.46	35.17
			<i>For &gt;50 To 100, Deduct</i>	-7.41	
			<i>For &gt;100 To 250, Deduct</i>	-13.49	
			<i>For &gt;250 To 500, Deduct</i>	-24.35	
			<i>For &gt;500, Deduct</i>	-35.20	
26 51 19 00-0046	EA	2' x 4'	4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4) .....	266.73	40.98
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	28.73	
			<i>For &gt;50 To 100, Deduct</i>	-8.21	
			<i>For &gt;100 To 250, Deduct</i>	-14.88	
			<i>For &gt;250 To 500, Deduct</i>	-26.67	
			<i>For &gt;500, Deduct</i>	-38.47	
26 51 19 00-0047	EA	2' x 4'	4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4) .....	281.20	40.98
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	29.45	
			<i>For &gt;50 To 100, Deduct</i>	-8.57	
			<i>For &gt;100 To 250, Deduct</i>	-15.60	
			<i>For &gt;250 To 500, Deduct</i>	-28.12	
			<i>For &gt;500, Deduct</i>	-40.64	
26 51 19 00-0048	EA	2' x 4'	4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4).....	362.64	40.98
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	33.52	
			<i>For &gt;50 To 100, Deduct</i>	-10.61	
			<i>For &gt;100 To 250, Deduct</i>	-19.67	
			<i>For &gt;250 To 500, Deduct</i>	-36.26	
			<i>For &gt;500, Deduct</i>	-52.86	
<b>26 51 19 00-0049</b>			<b>Architectural, Lay-In/Troffer LED Fixtures</b> <small>(26 51 19 00-0024)</small>		
<b>26 51 19 00-0050</b>			<b>Architectural, Lay-In/Troffer LED Fixtures (Lithonia)</b> <small>(26 51 19 00-0049)</small>		

Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0051	EA 2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)..... <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	328.78 31.83 -9.76 -17.98 -32.88 -47.78	40.98
26 51 19 00-0052	EA 4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)..... <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	386.95 34.74 -11.21 -20.89 -38.70 -56.50	40.98
26 51 19 00-0053	EA 6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)..... <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	439.31 37.36 -12.52 -23.50 -43.93 -64.36	40.98
26 51 19 00-0054	<b>Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series)</b> <small>(26 51 19 00-0049)</small> Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0055	EA 1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)..... <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	342.16 3.58 110.17 183.74 -10.09 -18.65 -34.22 -49.79	40.98
26 51 19 00-0056	EA 1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)..... <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	369.02 3.58 110.17 183.74 -10.76 -19.99 -36.90 -53.81	40.98
26 51 19 00-0057	EA 1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)..... <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	369.02 3.58 110.17 183.74 -10.76 -19.99 -36.90 -53.81	40.98
26 51 19 00-0058	EA 1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)..... <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	408.68 3.58 110.17 183.74 -11.76 -21.97 -40.87 -59.76	40.98
26 51 19 00-0059	EA 2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) ..... Note: CCT 30K to 50K <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	318.16 3.58 96.26 173.02 -9.27 -17.23 -31.82 -46.41	35.17
26 51 19 00-0060	EA 2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) ..... Note: CCT 30K to 50K <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	300.10 3.58 96.26 173.02 -8.82 -16.32 -30.01 -43.70	35.17
26 51 19 00-0061	EA 2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) ..... Note: CCT 30K to 50K <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	357.06 3.58 112.73 200.37 -10.47 -19.39 -35.71 -52.02	40.98
26 51 19 00-0062	EA 2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) ..... Note: CCT 30K to 50K <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	369.02 3.58 112.73 200.37 -10.76 -19.99 -36.90 -53.81	40.98

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0063	EA		2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) ..... Note: CCT 30K to 50K For Expanded Size Junction Box For Through Wiring, Add For Drywall Or Plaster Ceilings, Add For Surface Mount, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	369.02  3.58 112.73 200.37 -10.76 -19.99 -36.90 -53.81	40.98
26 51 19 00-0064	EA		2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™) ..... Note: CCT 30K to 50K For Expanded Size Junction Box For Through Wiring, Add For Drywall Or Plaster Ceilings, Add For Surface Mount, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	470.09  3.58 112.73 200.37 -13.29 -25.04 -47.01 -68.97	40.98
26 51 19 00-0065	EA		2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) ..... Note: CCT 30K to 50K For Expanded Size Junction Box For Through Wiring, Add For Drywall Or Plaster Ceilings, Add For Surface Mount, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	408.68  3.58 112.73 200.37 -11.76 -21.97 -40.87 -59.76	40.98
26 51 19 00-0066			<b>Architectural, Lay-In/Troffer LED Fixtures (Metalux®)</b> (26 51 19 00-0049) Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0067	EA		2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	239.15 -7.30 -13.28 -23.92 -34.55	35.17
26 51 19 00-0068	EA		2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	318.28 -9.50 -17.45 -31.83 -46.20	40.98
26 51 19 00-0069			<b>Architectural, Lay-In/Troffer LED Fixtures (Finelite)</b> (26 51 19 00-0049) Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0070	EA		2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	280.49 -8.33 -15.34 -28.05 -40.75	35.17
26 51 19 00-0071	EA		2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	379.29 -11.02 -20.50 -37.93 -55.35	41.33
26 51 19 00-0072			<b>Shadow Box Style, Lay-In/Troffer LED Fixtures</b> (26 51 19 00-0024)		
26 51 19 00-0073			<b>Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL)</b> (26 51 19 00-0072)		
26 51 19 00-0074	EA		2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)..... For Drywall Or Plaster Ceilings, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	441.76 23.74 -12.36 -23.41 -44.18 -64.95	35.17
26 51 19 00-0075	EA		2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)..... For Drywall Or Plaster Ceilings With Frame Kit, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	601.66 45.47 -16.58 -31.62 -60.17 -88.71	40.98
26 51 19 00-0076			<b>Panel Type, Lay-In/Troffer LED Fixtures</b> (26 51 19 00-0024)		
26 51 19 00-0077			<b>Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy)</b> (26 51 19 00-0076)		
26 51 19 00-0078	EA		1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34) ..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	304.19 -9.14 -16.75 -30.42 -44.09	40.98
26 51 19 00-0079	EA		2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34) ..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	315.81 -9.43 -17.33 -31.58 -45.83	40.98

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0080	EA	2' x 4'	4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40) .....	392.82	40.98
			<i>For &gt;50 To 100, Deduct</i>	-11.36	
			<i>For &gt;100 To 250, Deduct</i>	-21.18	
			<i>For &gt;250 To 500, Deduct</i>	-39.28	
			<i>For &gt;500, Deduct</i>	-57.38	
26 51 19 00-0081	EA	2' x 4'	5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52) .....	392.82	40.98
			<i>For &gt;50 To 100, Deduct</i>	-11.36	
			<i>For &gt;100 To 250, Deduct</i>	-21.18	
			<i>For &gt;250 To 500, Deduct</i>	-39.28	
			<i>For &gt;500, Deduct</i>	-57.38	
<b>26 51 19 00-0082</b>			<b>Panel Type, Lay-In/Troffer LED Fixtures (Sylvania) (26 51 19 00-0076)</b>		
26 51 19 00-0083	EA	1' x 4'	3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH) .....	163.78	40.98
			<i>For Surface Mounting Kit (Sylvania SMK1A/14A/WH), Add</i>	38.19	
			<i>For &gt;50 To 100, Deduct</i>	-5.63	
			<i>For &gt;100 To 250, Deduct</i>	-9.73	
			<i>For &gt;250 To 500, Deduct</i>	-16.38	
			<i>For &gt;500, Deduct</i>	-23.03	
26 51 19 00-0084	EA	2' x 2'	3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH) .....	168.76	40.98
			<i>For &gt;50 To 100, Deduct</i>	-5.76	
			<i>For &gt;100 To 250, Deduct</i>	-9.98	
			<i>For &gt;250 To 500, Deduct</i>	-16.88	
			<i>For &gt;500, Deduct</i>	-23.78	
26 51 19 00-0085	EA	2' x 4'	3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH) .....	171.04	40.98
			<i>For Surface Mounting Kit (Sylvania SMK1A/24A/WH)</i>	47.73	
			<i>For &gt;50 To 100, Deduct</i>	-5.82	
			<i>For &gt;100 To 250, Deduct</i>	-10.09	
			<i>For &gt;250 To 500, Deduct</i>	-17.10	
			<i>For &gt;500, Deduct</i>	-24.12	
26 51 19 00-0086	EA	2' x 4'	3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMKIT1A/24A/WH) .....	386.16	40.98
			<i>For &gt;50 To 100, Deduct</i>	-11.19	
			<i>For &gt;100 To 250, Deduct</i>	-20.85	
			<i>For &gt;250 To 500, Deduct</i>	-38.62	
			<i>For &gt;500, Deduct</i>	-56.39	
<b>26 51 19 00-0087</b>			<b>Surface Mount LED Fixtures (26 51 19 00-0001)</b>		
<b>26 51 19 00-0088</b>			<b>Surface Mount, Volumetric LED Fixtures (Lithonia STL) (26 51 19 00-0087)</b>		
26 51 19 00-0089	EA	2' Length	2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2) .....	289.34	26.38
			<i>For &gt;50 To 100, Deduct</i>	-8.22	
			<i>For &gt;100 To 250, Deduct</i>	-15.46	
			<i>For &gt;250 To 500, Deduct</i>	-28.93	
			<i>For &gt;500, Deduct</i>	-42.41	
26 51 19 00-0090	EA	4' Length	3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4) .....	307.91	32.18
			<i>For &gt;50 To 100, Deduct</i>	-8.91	
			<i>For &gt;100 To 250, Deduct</i>	-16.60	
			<i>For &gt;250 To 500, Deduct</i>	-30.79	
			<i>For &gt;500, Deduct</i>	-44.98	
26 51 19 00-0091	EA	4' Length	4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4) .....	292.01	32.18
			<i>For &gt;50 To 100, Deduct</i>	-8.51	
			<i>For &gt;100 To 250, Deduct</i>	-15.81	
			<i>For &gt;250 To 500, Deduct</i>	-29.20	
			<i>For &gt;500, Deduct</i>	-42.59	
<b>26 51 19 00-0092</b>			<b>Surface Mount, Wraparound LED Fixtures (Lithonia LBL) (26 51 19 00-0087)</b>		
26 51 19 00-0093	EA	2' Length	2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2) .....	193.26	26.38
			<i>For &gt;50 To 100, Deduct</i>	-5.82	
			<i>For &gt;100 To 250, Deduct</i>	-10.65	
			<i>For &gt;250 To 500, Deduct</i>	-19.33	
			<i>For &gt;500, Deduct</i>	-28.00	
26 51 19 00-0094	EA	4' Length	4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4) .....	253.37	32.18
			<i>For &gt;50 To 100, Deduct</i>	-7.54	
			<i>For &gt;100 To 250, Deduct</i>	-13.88	
			<i>For &gt;250 To 500, Deduct</i>	-25.34	
			<i>For &gt;500, Deduct</i>	-36.80	
<b>26 51 19 00-0095</b>			<b>Surface Mount, Shadow Box Style LED Fixtures (26 51 19 00-0087)</b>		
<b>26 51 19 00-0096</b>			<b>Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) (26 51 19 00-0095)</b>		
26 51 19 00-0097	EA	2' x 2'	3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2) .....	565.25	35.17
			<i>For &gt;50 To 100, Deduct</i>	-15.45	
			<i>For &gt;100 To 250, Deduct</i>	-29.58	
			<i>For &gt;250 To 500, Deduct</i>	-56.53	
			<i>For &gt;500, Deduct</i>	-83.47	
26 51 19 00-0098	EA	2' x 4'	4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4) .....	725.15	40.98
			<i>For &gt;50 To 100, Deduct</i>	-19.67	
			<i>For &gt;100 To 250, Deduct</i>	-37.80	
			<i>For &gt;250 To 500, Deduct</i>	-72.52	
			<i>For &gt;500, Deduct</i>	-107.23	
<b>26 51 19 00-0099</b>			<b>Surface Mount, Low Profile Fixtures (26 51 19 00-0087)</b>		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 19 00-0100	EA		6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90).....	79.79	24.12
			<i>For &gt;50 To 100, Deduct</i>	-3.20	
			<i>For &gt;100 To 250, Deduct</i>	-5.20	
			<i>For &gt;250 To 500, Deduct</i>	-7.98	
			<i>For &gt;500, Deduct</i>	-10.76	
26 51 19 00-0101	EA		6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569).....	66.09	24.12
			<i>For &gt;50 To 100, Deduct</i>	-2.86	
			<i>For &gt;100 To 250, Deduct</i>	-4.51	
			<i>For &gt;250 To 500, Deduct</i>	-6.61	
			<i>For &gt;500, Deduct</i>	-8.71	
26 51 19 00-0102	EA		13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329).....	108.55	24.12
			<i>For &gt;50 To 100, Deduct</i>	-3.92	
			<i>For &gt;100 To 250, Deduct</i>	-6.63	
			<i>For &gt;250 To 500, Deduct</i>	-10.86	
			<i>For &gt;500, Deduct</i>	-15.08	
26 51 19 00-0103	EA		15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330).....	130.48	24.12
			<i>For &gt;50 To 100, Deduct</i>	-4.47	
			<i>For &gt;100 To 250, Deduct</i>	-7.73	
			<i>For &gt;250 To 500, Deduct</i>	-13.05	
			<i>For &gt;500, Deduct</i>	-18.37	
26 51 19 00-0104			<b>Recessed LED Downlights</b> (26 51 19 00-0001)		
26 51 19 00-0105			<b>Recessed LED Downlights</b> (26 51 19 00-0104)		
26 51 19 00-0106			<b>Recessed LED Downlights (Lithonia)</b> (26 51 19 00-0105) Note: Includes housing and trim.		
26 51 19 00-0107	EA		8" Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	328.43	42.36
			<i>For Dimming Driver And Sensor Switch nLight Dimming Relay, Add</i>	70.33	
			<i>For &gt;50 To 100, Deduct</i>	-9.80	
			<i>For &gt;100 To 250, Deduct</i>	-18.01	
			<i>For &gt;250 To 500, Deduct</i>	-32.84	
			<i>For &gt;500, Deduct</i>	-47.68	
26 51 19 00-0108	EA		8" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	357.52	42.36
			<i>For Dimming Driver And Sensor Switch nLight Dimming Relay, Add</i>	70.33	
			<i>For &gt;50 To 100, Deduct</i>	-10.53	
			<i>For &gt;100 To 250, Deduct</i>	-19.46	
			<i>For &gt;250 To 500, Deduct</i>	-35.75	
			<i>For &gt;500, Deduct</i>	-52.04	
26 51 19 00-0109			<b>Recessed LED Downlights (Portfolio®)</b> (26 51 19 00-0105) Note: Includes housing and trim.		
26 51 19 00-0110	EA		4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413).....	204.71	42.36
			<i>For &gt;50 To 100, Deduct</i>	-6.71	
			<i>For &gt;100 To 250, Deduct</i>	-11.82	
			<i>For &gt;250 To 500, Deduct</i>	-20.47	
			<i>For &gt;500, Deduct</i>	-29.12	
26 51 19 00-0111			<b>Recessed LED Downlights (Gotham® EVO®)</b> (26 51 19 00-0105) Note: Includes housing and trim.		
26 51 19 00-0112	EA		6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED).....	255.77	42.36
			<i>For &gt;50 To 100, Deduct</i>	-7.98	
			<i>For &gt;100 To 250, Deduct</i>	-14.38	
			<i>For &gt;250 To 500, Deduct</i>	-25.58	
			<i>For &gt;500, Deduct</i>	-36.78	
26 51 19 00-0113	EA		6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED).....	264.19	42.36
			<i>For &gt;50 To 100, Deduct</i>	-8.19	
			<i>For &gt;100 To 250, Deduct</i>	-14.80	
			<i>For &gt;250 To 500, Deduct</i>	-26.42	
			<i>For &gt;500, Deduct</i>	-38.04	
26 51 19 00-0114	EA		6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED).....	298.71	42.36
			<i>For &gt;50 To 100, Deduct</i>	-9.06	
			<i>For &gt;100 To 250, Deduct</i>	-16.52	
			<i>For &gt;250 To 500, Deduct</i>	-29.87	
			<i>For &gt;500, Deduct</i>	-43.22	
26 51 19 00-0115	EA		6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED).....	302.09	42.36
			<i>For &gt;50 To 100, Deduct</i>	-9.14	
			<i>For &gt;100 To 250, Deduct</i>	-16.69	
			<i>For &gt;250 To 500, Deduct</i>	-30.21	
			<i>For &gt;500, Deduct</i>	-43.73	
26 51 19 00-0116	EA		6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED).....	331.56	42.36
			<i>For &gt;50 To 100, Deduct</i>	-9.88	
			<i>For &gt;100 To 250, Deduct</i>	-18.17	
			<i>For &gt;250 To 500, Deduct</i>	-33.16	
			<i>For &gt;500, Deduct</i>	-48.15	
26 51 19 00-0117			<b>Recessed LED Downlights (Lightolier)</b> (26 51 19 00-0105) Note: Includes housing and trim.		

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0118	EA 4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL).....	425.36	42.36
	For >50 To 100, Deduct	-12.22	
	For >100 To 250, Deduct	-22.86	
	For >250 To 500, Deduct	-42.54	
	For >500, Deduct	-62.22	
26 51 19 00-0119	EA 4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL).....	497.91	42.36
	For >50 To 100, Deduct	-14.04	
	For >100 To 250, Deduct	-26.48	
	For >250 To 500, Deduct	-49.79	
	For >500, Deduct	-73.10	
26 51 19 00-0120	EA 6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	534.10	42.36
	For >50 To 100, Deduct	-14.94	
	For >100 To 250, Deduct	-28.29	
	For >250 To 500, Deduct	-53.41	
	For >500, Deduct	-78.53	
26 51 19 00-0121	EA 6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	534.10	42.36
	For >50 To 100, Deduct	-14.94	
	For >100 To 250, Deduct	-28.29	
	For >250 To 500, Deduct	-53.41	
	For >500, Deduct	-78.53	
26 51 19 00-0122	EA 7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	552.28	42.36
	For >50 To 100, Deduct	-15.40	
	For >100 To 250, Deduct	-29.20	
	For >250 To 500, Deduct	-55.23	
	For >500, Deduct	-81.25	
26 51 19 00-0123	EA 7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	570.47	42.36
	For >50 To 100, Deduct	-15.85	
	For >100 To 250, Deduct	-30.11	
	For >250 To 500, Deduct	-57.05	
	For >500, Deduct	-83.98	
<b>26 51 19 00-0124</b>	<b>Recessed LED Downlights (Cooper)</b> <small>(26 51 19 00-0105)</small>		
26 51 19 00-0125	EA 600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827).....	144.95	42.36
	For >50 To 100, Deduct	-5.21	
	For >100 To 250, Deduct	-8.84	
	For >250 To 500, Deduct	-14.50	
	For >500, Deduct	-20.15	
26 51 19 00-0126	EA 600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830).....	144.95	42.36
	For >50 To 100, Deduct	-5.21	
	For >100 To 250, Deduct	-8.84	
	For >250 To 500, Deduct	-14.50	
	For >500, Deduct	-20.15	
26 51 19 00-0127	EA 600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835).....	144.95	42.36
	For >50 To 100, Deduct	-5.21	
	For >100 To 250, Deduct	-8.84	
	For >250 To 500, Deduct	-14.50	
	For >500, Deduct	-20.15	
26 51 19 00-0128	EA 600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840).....	144.95	42.36
	For >50 To 100, Deduct	-5.21	
	For >100 To 250, Deduct	-8.84	
	For >250 To 500, Deduct	-14.50	
	For >500, Deduct	-20.15	
26 51 19 00-0129	EA 900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827).....	147.98	42.36
	For >50 To 100, Deduct	-5.29	
	For >100 To 250, Deduct	-8.99	
	For >250 To 500, Deduct	-14.80	
	For >500, Deduct	-20.61	
26 51 19 00-0130	EA 900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830).....	147.98	42.36
	For >50 To 100, Deduct	-5.29	
	For >100 To 250, Deduct	-8.99	
	For >250 To 500, Deduct	-14.80	
	For >500, Deduct	-20.61	
26 51 19 00-0131	EA 900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835).....	147.98	42.36
	For >50 To 100, Deduct	-5.29	
	For >100 To 250, Deduct	-8.99	
	For >250 To 500, Deduct	-14.80	
	For >500, Deduct	-20.61	
26 51 19 00-0132	EA 900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840).....	147.98	42.36
	For >50 To 100, Deduct	-5.29	
	For >100 To 250, Deduct	-8.99	
	For >250 To 500, Deduct	-14.80	
	For >500, Deduct	-20.61	
26 51 19 00-0133	EA 1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827).....	189.09	42.36
	For >50 To 100, Deduct	-6.32	
	For >100 To 250, Deduct	-11.04	
	For >250 To 500, Deduct	-18.91	
	For >500, Deduct	-26.78	
26 51 19 00-0134	EA 1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830).....	187.00	42.36
	For >50 To 100, Deduct	-6.26	
	For >100 To 250, Deduct	-10.94	
	For >250 To 500, Deduct	-18.70	
	For >500, Deduct	-26.46	
26 51 19 00-0135	EA 1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835).....	187.00	42.36
	For >50 To 100, Deduct	-6.26	
	For >100 To 250, Deduct	-10.94	
	For >250 To 500, Deduct	-18.70	
	For >500, Deduct	-26.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0136	EA		1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840).....	187.00	42.36
			<i>For &gt;50 To 100, Deduct</i>	-6.26	
			<i>For &gt;100 To 250, Deduct</i>	-10.94	
			<i>For &gt;250 To 500, Deduct</i>	-18.70	
			<i>For &gt;500, Deduct</i>	-26.46	
26 51 19 00-0137	EA		5" LED Trim, Polymer "Dead-Front", Shallow White Baffle And Flange (Cooper Halo 591WB).....	93.37	13.48
			<i>For &gt;50 To 100, Deduct</i>	-2.84	
			<i>For &gt;100 To 250, Deduct</i>	-5.17	
			<i>For &gt;250 To 500, Deduct</i>	-9.34	
			<i>For &gt;500, Deduct</i>	-13.50	
26 51 19 00-0138	EA		5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC).....	55.74	13.48
			<i>For &gt;50 To 100, Deduct</i>	-1.90	
			<i>For &gt;100 To 250, Deduct</i>	-3.29	
			<i>For &gt;250 To 500, Deduct</i>	-5.57	
			<i>For &gt;500, Deduct</i>	-7.86	
26 51 19 00-0139	EA		5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H).....	71.94	13.48
			<i>For &gt;50 To 100, Deduct</i>	-2.30	
			<i>For &gt;100 To 250, Deduct</i>	-4.10	
			<i>For &gt;250 To 500, Deduct</i>	-7.19	
			<i>For &gt;500, Deduct</i>	-10.29	
26 51 19 00-0140	EA		5" LED Trim, White Reflector And Flange (Cooper Halo 592W).....	59.00	13.48
			<i>For &gt;50 To 100, Deduct</i>	-1.98	
			<i>For &gt;100 To 250, Deduct</i>	-3.46	
			<i>For &gt;250 To 500, Deduct</i>	-5.90	
			<i>For &gt;500, Deduct</i>	-8.34	
26 51 19 00-0141	EA		5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB).....	45.77	13.48
			<i>For &gt;50 To 100, Deduct</i>	-1.65	
			<i>For &gt;100 To 250, Deduct</i>	-2.79	
			<i>For &gt;250 To 500, Deduct</i>	-4.58	
			<i>For &gt;500, Deduct</i>	-6.36	
26 51 19 00-0142	EA		5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB).....	58.42	13.48
			<i>For &gt;50 To 100, Deduct</i>	-1.97	
			<i>For &gt;100 To 250, Deduct</i>	-3.43	
			<i>For &gt;250 To 500, Deduct</i>	-5.84	
			<i>For &gt;500, Deduct</i>	-8.26	
26 51 19 00-0143	EA		5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB).....	66.12	13.48
			<i>For &gt;50 To 100, Deduct</i>	-2.16	
			<i>For &gt;100 To 250, Deduct</i>	-3.81	
			<i>For &gt;250 To 500, Deduct</i>	-6.61	
			<i>For &gt;500, Deduct</i>	-9.41	
26 51 19 00-0144	EA		5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB).....	72.99	13.48
			<i>For &gt;50 To 100, Deduct</i>	-2.33	
			<i>For &gt;100 To 250, Deduct</i>	-4.16	
			<i>For &gt;250 To 500, Deduct</i>	-7.30	
			<i>For &gt;500, Deduct</i>	-10.44	
26 51 19 00-0145	EA		5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB).....	86.39	13.48
			<i>For &gt;50 To 100, Deduct</i>	-2.67	
			<i>For &gt;100 To 250, Deduct</i>	-4.83	
			<i>For &gt;250 To 500, Deduct</i>	-8.64	
			<i>For &gt;500, Deduct</i>	-12.45	
26 51 19 00-0146	EA		5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB).....	86.82	13.48
			<i>For &gt;50 To 100, Deduct</i>	-2.68	
			<i>For &gt;100 To 250, Deduct</i>	-4.85	
			<i>For &gt;250 To 500, Deduct</i>	-8.68	
			<i>For &gt;500, Deduct</i>	-12.52	
26 51 19 00-0147	EA		5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB).....	84.90	13.48
			<i>For &gt;50 To 100, Deduct</i>	-2.63	
			<i>For &gt;100 To 250, Deduct</i>	-4.75	
			<i>For &gt;250 To 500, Deduct</i>	-8.49	
			<i>For &gt;500, Deduct</i>	-12.23	
26 51 19 00-0148	EA		5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW).....	106.90	13.48
			<i>For &gt;50 To 100, Deduct</i>	-3.18	
			<i>For &gt;100 To 250, Deduct</i>	-5.85	
			<i>For &gt;250 To 500, Deduct</i>	-10.69	
			<i>For &gt;500, Deduct</i>	-15.53	
26 51 19 00-0149	EA		5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB).....	46.24	13.48
			<i>For &gt;50 To 100, Deduct</i>	-1.66	
			<i>For &gt;100 To 250, Deduct</i>	-2.82	
			<i>For &gt;250 To 500, Deduct</i>	-4.62	
			<i>For &gt;500, Deduct</i>	-6.43	
26 51 19 00-0150	EA		6" LED Trim, Polymer "Dead-Front", White Shallow Baffle And Flange (Cooper Halo 691WB).....	90.15	13.48
			<i>For &gt;50 To 100, Deduct</i>	-2.76	
			<i>For &gt;100 To 250, Deduct</i>	-5.01	
			<i>For &gt;250 To 500, Deduct</i>	-9.02	
			<i>For &gt;500, Deduct</i>	-13.02	
26 51 19 00-0151	EA		6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC).....	75.34	13.48
			<i>For &gt;50 To 100, Deduct</i>	-2.39	
			<i>For &gt;100 To 250, Deduct</i>	-4.27	
			<i>For &gt;250 To 500, Deduct</i>	-7.53	
			<i>For &gt;500, Deduct</i>	-10.80	
26 51 19 00-0152	EA		6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H).....	70.15	13.48
			<i>For &gt;50 To 100, Deduct</i>	-2.26	
			<i>For &gt;100 To 250, Deduct</i>	-4.01	
			<i>For &gt;250 To 500, Deduct</i>	-7.02	
			<i>For &gt;500, Deduct</i>	-10.02	
26 51 19 00-0153	EA		6" LED Trim, White Reflector And Flange (Cooper Halo 692W).....	61.59	13.48
			<i>For &gt;50 To 100, Deduct</i>	-2.05	
			<i>For &gt;100 To 250, Deduct</i>	-3.59	
			<i>For &gt;250 To 500, Deduct</i>	-6.16	
			<i>For &gt;500, Deduct</i>	-8.73	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0154	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB)	62.20	13.48
			<i>For &gt;50 To 100, Deduct</i>	-2.06	
			<i>For &gt;100 To 250, Deduct</i>	-3.62	
			<i>For &gt;250 To 500, Deduct</i>	-6.22	
			<i>For &gt;500, Deduct</i>	-8.82	
26 51	19 00-0155	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB)	67.70	13.48
			<i>For &gt;50 To 100, Deduct</i>	-2.20	
			<i>For &gt;100 To 250, Deduct</i>	-3.89	
			<i>For &gt;250 To 500, Deduct</i>	-6.77	
			<i>For &gt;500, Deduct</i>	-9.65	
26 51	19 00-0156	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB)	61.25	13.48
			<i>For &gt;50 To 100, Deduct</i>	-2.04	
			<i>For &gt;100 To 250, Deduct</i>	-3.57	
			<i>For &gt;250 To 500, Deduct</i>	-6.13	
			<i>For &gt;500, Deduct</i>	-8.68	
26 51	19 00-0157	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB)	78.78	13.48
			<i>For &gt;50 To 100, Deduct</i>	-2.48	
			<i>For &gt;100 To 250, Deduct</i>	-4.44	
			<i>For &gt;250 To 500, Deduct</i>	-7.88	
			<i>For &gt;500, Deduct</i>	-11.31	
26 51	19 00-0158	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB)	86.17	13.48
			<i>For &gt;50 To 100, Deduct</i>	-2.66	
			<i>For &gt;100 To 250, Deduct</i>	-4.81	
			<i>For &gt;250 To 500, Deduct</i>	-8.62	
			<i>For &gt;500, Deduct</i>	-12.42	
26 51	19 00-0159	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB)	110.75	13.48
			<i>For &gt;50 To 100, Deduct</i>	-3.27	
			<i>For &gt;100 To 250, Deduct</i>	-6.04	
			<i>For &gt;250 To 500, Deduct</i>	-11.08	
			<i>For &gt;500, Deduct</i>	-16.11	
26 51	19 00-0160	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB)	107.66	13.48
			<i>For &gt;50 To 100, Deduct</i>	-3.20	
			<i>For &gt;100 To 250, Deduct</i>	-5.89	
			<i>For &gt;250 To 500, Deduct</i>	-10.77	
			<i>For &gt;500, Deduct</i>	-15.64	
26 51	19 00-0161	EA	6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW)	109.02	13.48
			<i>For &gt;50 To 100, Deduct</i>	-3.23	
			<i>For &gt;100 To 250, Deduct</i>	-5.96	
			<i>For &gt;250 To 500, Deduct</i>	-10.90	
			<i>For &gt;500, Deduct</i>	-15.85	
26 51	19 00-0162	EA	6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB)	62.95	13.48
			<i>For &gt;50 To 100, Deduct</i>	-2.08	
			<i>For &gt;100 To 250, Deduct</i>	-3.65	
			<i>For &gt;250 To 500, Deduct</i>	-6.30	
			<i>For &gt;500, Deduct</i>	-8.94	
26 51	19 00-0163	EA	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT)	49.93	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.33	
			<i>For &gt;100 To 250, Deduct</i>	-3.58	
			<i>For &gt;250 To 500, Deduct</i>	-4.99	
			<i>For &gt;500, Deduct</i>	-6.41	
26 51	19 00-0164	EA	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT)	55.95	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.48	
			<i>For &gt;100 To 250, Deduct</i>	-3.88	
			<i>For &gt;250 To 500, Deduct</i>	-5.60	
			<i>For &gt;500, Deduct</i>	-7.31	
26 51	19 00-0165	EA	6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T)	53.54	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.42	
			<i>For &gt;100 To 250, Deduct</i>	-3.76	
			<i>For &gt;250 To 500, Deduct</i>	-5.35	
			<i>For &gt;500, Deduct</i>	-6.95	
26 51	19 00-0166	EA	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP)	77.26	28.88
			<i>For &gt;50 To 100, Deduct</i>	-3.01	
			<i>For &gt;100 To 250, Deduct</i>	-4.95	
			<i>For &gt;250 To 500, Deduct</i>	-7.73	
			<i>For &gt;500, Deduct</i>	-10.51	
26 51	19 00-0167	EA	6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT)	74.47	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.94	
			<i>For &gt;100 To 250, Deduct</i>	-4.81	
			<i>For &gt;250 To 500, Deduct</i>	-7.45	
			<i>For &gt;500, Deduct</i>	-10.09	
26 51	19 00-0168	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H71CAT)	56.77	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.50	
			<i>For &gt;100 To 250, Deduct</i>	-3.92	
			<i>For &gt;250 To 500, Deduct</i>	-5.68	
			<i>For &gt;500, Deduct</i>	-7.43	
26 51	19 00-0169	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H71RICAT)	60.82	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.60	
			<i>For &gt;100 To 250, Deduct</i>	-4.12	
			<i>For &gt;250 To 500, Deduct</i>	-6.08	
			<i>For &gt;500, Deduct</i>	-8.04	
26 51	19 00-0170	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo H71ICT)	55.92	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.48	
			<i>For &gt;100 To 250, Deduct</i>	-3.88	
			<i>For &gt;250 To 500, Deduct</i>	-5.59	
			<i>For &gt;500, Deduct</i>	-7.31	
26 51	19 00-0171	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo H71RICT)	60.36	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.59	
			<i>For &gt;100 To 250, Deduct</i>	-4.10	
			<i>For &gt;250 To 500, Deduct</i>	-6.04	
			<i>For &gt;500, Deduct</i>	-7.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0172	EA	6"	Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB) .....	56.66	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.50	
			<i>For &gt;100 To 250, Deduct</i>	-3.92	
			<i>For &gt;250 To 500, Deduct</i>	-5.67	
			<i>For &gt;500, Deduct</i>	-7.42	
26 51 19 00-0173	EA	6"	Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB) .....	56.24	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.49	
			<i>For &gt;100 To 250, Deduct</i>	-3.90	
			<i>For &gt;250 To 500, Deduct</i>	-5.62	
			<i>For &gt;500, Deduct</i>	-7.35	
26 51 19 00-0174	EA	6"	Non-IC, New Construction Housing (Cooper Halo H7T).....	59.45	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.57	
			<i>For &gt;100 To 250, Deduct</i>	-4.06	
			<i>For &gt;250 To 500, Deduct</i>	-5.95	
			<i>For &gt;500, Deduct</i>	-7.83	
26 51 19 00-0175	EA	6"	Non-IC, Remodel Housing (Cooper Halo H7RT).....	61.18	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.61	
			<i>For &gt;100 To 250, Deduct</i>	-4.14	
			<i>For &gt;250 To 500, Deduct</i>	-6.12	
			<i>For &gt;500, Deduct</i>	-8.09	
26 51 19 00-0176	EA	6"	Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB).....	61.73	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.63	
			<i>For &gt;100 To 250, Deduct</i>	-4.17	
			<i>For &gt;250 To 500, Deduct</i>	-6.17	
			<i>For &gt;500, Deduct</i>	-8.18	
26 51 19 00-0177	EA	6"	Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP).....	88.60	28.88
			<i>For &gt;50 To 100, Deduct</i>	-3.30	
			<i>For &gt;100 To 250, Deduct</i>	-5.51	
			<i>For &gt;250 To 500, Deduct</i>	-8.86	
			<i>For &gt;500, Deduct</i>	-12.21	
26 51 19 00-0178	EA	6"	Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UIC) .....	81.86	28.88
			<i>For &gt;50 To 100, Deduct</i>	-3.13	
			<i>For &gt;100 To 250, Deduct</i>	-5.18	
			<i>For &gt;250 To 500, Deduct</i>	-8.19	
			<i>For &gt;500, Deduct</i>	-11.20	
26 51 19 00-0179	EA	6"	Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT).....	82.64	28.88
			<i>For &gt;50 To 100, Deduct</i>	-3.15	
			<i>For &gt;100 To 250, Deduct</i>	-5.22	
			<i>For &gt;250 To 500, Deduct</i>	-8.26	
			<i>For &gt;500, Deduct</i>	-11.31	
26 51 19 00-0180	EA	6"	Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT).....	87.15	28.88
			<i>For &gt;50 To 100, Deduct</i>	-3.26	
			<i>For &gt;100 To 250, Deduct</i>	-5.44	
			<i>For &gt;250 To 500, Deduct</i>	-8.72	
			<i>For &gt;500, Deduct</i>	-11.99	
26 51 19 00-0181	EA	6"	Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT).....	87.15	28.88
			<i>For &gt;50 To 100, Deduct</i>	-3.26	
			<i>For &gt;100 To 250, Deduct</i>	-5.44	
			<i>For &gt;250 To 500, Deduct</i>	-8.72	
			<i>For &gt;500, Deduct</i>	-11.99	
26 51 19 00-0182	EA	6"	Insulated Ceiling, New Construction Housing (Cooper Halo EI700).....	87.15	28.88
			<i>For &gt;50 To 100, Deduct</i>	-3.26	
			<i>For &gt;100 To 250, Deduct</i>	-5.44	
			<i>For &gt;250 To 500, Deduct</i>	-8.72	
			<i>For &gt;500, Deduct</i>	-11.99	
26 51 19 00-0183	EA	6"	Insulated Ceiling, Remodel Housing (Cooper Halo EI700R).....	87.15	28.88
			<i>For &gt;50 To 100, Deduct</i>	-3.26	
			<i>For &gt;100 To 250, Deduct</i>	-5.44	
			<i>For &gt;250 To 500, Deduct</i>	-8.72	
			<i>For &gt;500, Deduct</i>	-11.99	
26 51 19 00-0184	EA	6"	Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB).....	87.15	28.88
			<i>For &gt;50 To 100, Deduct</i>	-3.26	
			<i>For &gt;100 To 250, Deduct</i>	-5.44	
			<i>For &gt;250 To 500, Deduct</i>	-8.72	
			<i>For &gt;500, Deduct</i>	-11.99	
26 51 19 00-0185	EA	6"	Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB).....	75.36	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.97	
			<i>For &gt;100 To 250, Deduct</i>	-4.85	
			<i>For &gt;250 To 500, Deduct</i>	-7.54	
			<i>For &gt;500, Deduct</i>	-10.22	
26 51 19 00-0186	EA	6"	Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U).....	75.36	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.97	
			<i>For &gt;100 To 250, Deduct</i>	-4.85	
			<i>For &gt;250 To 500, Deduct</i>	-7.54	
			<i>For &gt;500, Deduct</i>	-10.22	
26 51 19 00-0187	EA	6"	Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT).....	75.36	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.97	
			<i>For &gt;100 To 250, Deduct</i>	-4.85	
			<i>For &gt;250 To 500, Deduct</i>	-7.54	
			<i>For &gt;500, Deduct</i>	-10.22	
26 51 19 00-0188	EA	6"	Non-IC, New Construction Housing (Cooper Halo ET700).....	75.36	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.97	
			<i>For &gt;100 To 250, Deduct</i>	-4.85	
			<i>For &gt;250 To 500, Deduct</i>	-7.54	
			<i>For &gt;500, Deduct</i>	-10.22	
26 51 19 00-0189	EA	6"	Non-IC, Remodel Housing (Cooper Halo ET700R).....	75.36	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.97	
			<i>For &gt;100 To 250, Deduct</i>	-4.85	
			<i>For &gt;250 To 500, Deduct</i>	-7.54	
			<i>For &gt;500, Deduct</i>	-10.22	

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0190	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT).....	76.22	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.99	
			<i>For &gt;100 To 250, Deduct</i>	-4.89	
			<i>For &gt;250 To 500, Deduct</i>	-7.62	
			<i>For &gt;500, Deduct</i>	-10.35	
26 51	19 00-0191	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT).....	89.46	28.88
			<i>For &gt;50 To 100, Deduct</i>	-3.32	
			<i>For &gt;100 To 250, Deduct</i>	-5.56	
			<i>For &gt;250 To 500, Deduct</i>	-8.95	
			<i>For &gt;500, Deduct</i>	-12.34	
26 51	19 00-0192	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT).....	76.22	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.99	
			<i>For &gt;100 To 250, Deduct</i>	-4.89	
			<i>For &gt;250 To 500, Deduct</i>	-7.62	
			<i>For &gt;500, Deduct</i>	-10.35	
26 51	19 00-0193	EA	6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT).....	85.72	28.88
			<i>For &gt;50 To 100, Deduct</i>	-3.23	
			<i>For &gt;100 To 250, Deduct</i>	-5.37	
			<i>For &gt;250 To 500, Deduct</i>	-8.57	
			<i>For &gt;500, Deduct</i>	-11.78	
26 51	19 00-0194	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T).....	70.85	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.85	
			<i>For &gt;100 To 250, Deduct</i>	-4.63	
			<i>For &gt;250 To 500, Deduct</i>	-7.09	
			<i>For &gt;500, Deduct</i>	-9.54	
26 51	19 00-0195	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT).....	72.15	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.89	
			<i>For &gt;100 To 250, Deduct</i>	-4.69	
			<i>For &gt;250 To 500, Deduct</i>	-7.22	
			<i>For &gt;500, Deduct</i>	-9.74	
26 51	19 00-0196	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT).....	81.41	28.88
			<i>For &gt;50 To 100, Deduct</i>	-3.12	
			<i>For &gt;100 To 250, Deduct</i>	-5.15	
			<i>For &gt;250 To 500, Deduct</i>	-8.14	
			<i>For &gt;500, Deduct</i>	-11.13	
26 51	19 00-0197	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700).....	81.41	28.88
			<i>For &gt;50 To 100, Deduct</i>	-3.12	
			<i>For &gt;100 To 250, Deduct</i>	-5.15	
			<i>For &gt;250 To 500, Deduct</i>	-8.14	
			<i>For &gt;500, Deduct</i>	-11.13	
26 51	19 00-0198	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R).....	81.41	28.88
			<i>For &gt;50 To 100, Deduct</i>	-3.12	
			<i>For &gt;100 To 250, Deduct</i>	-5.15	
			<i>For &gt;250 To 500, Deduct</i>	-8.14	
			<i>For &gt;500, Deduct</i>	-11.13	
26 51	19 00-0199	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700).....	81.41	28.88
			<i>For &gt;50 To 100, Deduct</i>	-3.12	
			<i>For &gt;100 To 250, Deduct</i>	-5.15	
			<i>For &gt;250 To 500, Deduct</i>	-8.14	
			<i>For &gt;500, Deduct</i>	-11.13	
26 51	19 00-0200	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R).....	81.41	28.88
			<i>For &gt;50 To 100, Deduct</i>	-3.12	
			<i>For &gt;100 To 250, Deduct</i>	-5.15	
			<i>For &gt;250 To 500, Deduct</i>	-8.14	
			<i>For &gt;500, Deduct</i>	-11.13	
26 51	19 00-0201	EA	6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK).....	72.72	13.48
			<i>For &gt;50 To 100, Deduct</i>	-2.32	
			<i>For &gt;100 To 250, Deduct</i>	-4.14	
			<i>For &gt;250 To 500, Deduct</i>	-7.27	
			<i>For &gt;500, Deduct</i>	-10.40	
26 51	19 00-0202	EA	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK).....	75.41	13.48
			<i>For &gt;50 To 100, Deduct</i>	-2.39	
			<i>For &gt;100 To 250, Deduct</i>	-4.28	
			<i>For &gt;250 To 500, Deduct</i>	-7.54	
			<i>For &gt;500, Deduct</i>	-10.81	
26 51	19 00-0203	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT).....	64.99	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.71	
			<i>For &gt;100 To 250, Deduct</i>	-4.33	
			<i>For &gt;250 To 500, Deduct</i>	-6.50	
			<i>For &gt;500, Deduct</i>	-8.67	
26 51	19 00-0204	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT).....	65.32	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.72	
			<i>For &gt;100 To 250, Deduct</i>	-4.35	
			<i>For &gt;250 To 500, Deduct</i>	-6.53	
			<i>For &gt;500, Deduct</i>	-8.72	
26 51	19 00-0205	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT).....	59.73	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.58	
			<i>For &gt;100 To 250, Deduct</i>	-4.07	
			<i>For &gt;250 To 500, Deduct</i>	-5.97	
			<i>For &gt;500, Deduct</i>	-7.88	
26 51	19 00-0206	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT).....	62.48	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.65	
			<i>For &gt;100 To 250, Deduct</i>	-4.21	
			<i>For &gt;250 To 500, Deduct</i>	-6.25	
			<i>For &gt;500, Deduct</i>	-8.29	
26 51	19 00-0207	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T).....	61.57	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.62	
			<i>For &gt;100 To 250, Deduct</i>	-4.16	
			<i>For &gt;250 To 500, Deduct</i>	-6.16	
			<i>For &gt;500, Deduct</i>	-8.15	

<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0208	EA		5" Non-IC, Remodel Housing (Cooper Halo H5RT).....	62.41	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.64	
			<i>For &gt;100 To 250, Deduct</i>	-4.20	
			<i>For &gt;250 To 500, Deduct</i>	-6.24	
			<i>For &gt;500, Deduct</i>	-8.28	
26 51 19 00-0209	EA		5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT).....	74.19	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.94	
			<i>For &gt;100 To 250, Deduct</i>	-4.79	
			<i>For &gt;250 To 500, Deduct</i>	-7.42	
			<i>For &gt;500, Deduct</i>	-10.05	
26 51 19 00-0210	EA		5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT).....	74.82	28.88
			<i>For &gt;50 To 100, Deduct</i>	-2.95	
			<i>For &gt;100 To 250, Deduct</i>	-4.82	
			<i>For &gt;250 To 500, Deduct</i>	-7.48	
			<i>For &gt;500, Deduct</i>	-10.14	
26 51 19 00-0211	EA		5" Non-IC, New Construction Housing (Cooper Halo ET500).....	77.98	28.88
			<i>For &gt;50 To 100, Deduct</i>	-3.03	
			<i>For &gt;100 To 250, Deduct</i>	-4.98	
			<i>For &gt;250 To 500, Deduct</i>	-7.80	
			<i>For &gt;500, Deduct</i>	-10.61	
26 51 19 00-0212	EA		5" Non-IC, Remodel Housing (Cooper Halo ET500R).....	80.20	28.88
			<i>For &gt;50 To 100, Deduct</i>	-3.09	
			<i>For &gt;100 To 250, Deduct</i>	-5.09	
			<i>For &gt;250 To 500, Deduct</i>	-8.02	
			<i>For &gt;500, Deduct</i>	-10.95	
26 51 19 00-0213	EA		5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT).....	89.95	28.88
			<i>For &gt;50 To 100, Deduct</i>	-3.33	
			<i>For &gt;100 To 250, Deduct</i>	-5.58	
			<i>For &gt;250 To 500, Deduct</i>	-9.00	
			<i>For &gt;500, Deduct</i>	-12.41	
<b>26 51 19 00-0214</b>			<b>Recessed LED Downlights (Maxlite DLR)</b> <small>(26 51 19 00-0105)</small>		
26 51 19 00-0215	EA		4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410).....	129.59	42.36
			<i>For &gt;50 To 100, Deduct</i>	-4.83	
			<i>For &gt;100 To 250, Deduct</i>	-8.07	
			<i>For &gt;250 To 500, Deduct</i>	-12.96	
			<i>For &gt;500, Deduct</i>	-17.85	
26 51 19 00-0216	EA		4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415).....	131.29	42.36
			<i>For &gt;50 To 100, Deduct</i>	-4.87	
			<i>For &gt;100 To 250, Deduct</i>	-8.15	
			<i>For &gt;250 To 500, Deduct</i>	-13.13	
			<i>For &gt;500, Deduct</i>	-18.11	
26 51 19 00-0217	EA		4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420).....	136.37	42.36
			<i>For &gt;50 To 100, Deduct</i>	-5.00	
			<i>For &gt;100 To 250, Deduct</i>	-8.41	
			<i>For &gt;250 To 500, Deduct</i>	-13.64	
			<i>For &gt;500, Deduct</i>	-18.87	
26 51 19 00-0218	EA		6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615).....	126.20	42.36
			<i>For &gt;50 To 100, Deduct</i>	-4.74	
			<i>For &gt;100 To 250, Deduct</i>	-7.90	
			<i>For &gt;250 To 500, Deduct</i>	-12.62	
			<i>For &gt;500, Deduct</i>	-17.34	
26 51 19 00-0219	EA		6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620).....	126.20	42.36
			<i>For &gt;50 To 100, Deduct</i>	-4.74	
			<i>For &gt;100 To 250, Deduct</i>	-7.90	
			<i>For &gt;250 To 500, Deduct</i>	-12.62	
			<i>For &gt;500, Deduct</i>	-17.34	
26 51 19 00-0220	EA		6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630).....	126.20	42.36
			<i>For &gt;50 To 100, Deduct</i>	-4.74	
			<i>For &gt;100 To 250, Deduct</i>	-7.90	
			<i>For &gt;250 To 500, Deduct</i>	-12.62	
			<i>For &gt;500, Deduct</i>	-17.34	
26 51 19 00-0221	EA		8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810).....	136.37	42.36
			<i>For &gt;50 To 100, Deduct</i>	-5.00	
			<i>For &gt;100 To 250, Deduct</i>	-8.41	
			<i>For &gt;250 To 500, Deduct</i>	-13.64	
			<i>For &gt;500, Deduct</i>	-18.87	
26 51 19 00-0222	EA		8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815).....	138.06	42.36
			<i>For &gt;50 To 100, Deduct</i>	-5.04	
			<i>For &gt;100 To 250, Deduct</i>	-8.49	
			<i>For &gt;250 To 500, Deduct</i>	-13.81	
			<i>For &gt;500, Deduct</i>	-19.12	
26 51 19 00-0223	EA		8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820).....	141.44	42.36
			<i>For &gt;50 To 100, Deduct</i>	-5.12	
			<i>For &gt;100 To 250, Deduct</i>	-8.66	
			<i>For &gt;250 To 500, Deduct</i>	-14.14	
			<i>For &gt;500, Deduct</i>	-19.63	
26 51 19 00-0224	EA		8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830).....	151.60	42.36
			<i>For &gt;50 To 100, Deduct</i>	-5.38	
			<i>For &gt;100 To 250, Deduct</i>	-9.17	
			<i>For &gt;250 To 500, Deduct</i>	-15.16	
			<i>For &gt;500, Deduct</i>	-21.15	
26 51 19 00-0225	EA		8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850).....	165.16	42.36
			<i>For &gt;50 To 100, Deduct</i>	-5.72	
			<i>For &gt;100 To 250, Deduct</i>	-9.85	
			<i>For &gt;250 To 500, Deduct</i>	-16.52	
			<i>For &gt;500, Deduct</i>	-23.19	

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0226		<b>Recessed LED Downlight Retrofits And Trim (CREE®)</b> (26 51 19 00-0104)		
26 51 19 00-0227		<b>Recessed LED Downlight Retrofits (CREE®)</b> (26 51 19 00-0226) Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.		
26 51 19 00-0228	EA	4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L) .....	79.76	
		For >50 To 100, Deduct	-2.60	
		For >100 To 250, Deduct	-4.59	
		For >250 To 500, Deduct	-7.98	
		For >500, Deduct	-11.36	
26 51 19 00-0229	EA	6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L) .....	70.73	
		For >50 To 100, Deduct	-2.37	
		For >100 To 250, Deduct	-4.14	
		For >250 To 500, Deduct	-7.07	
		For >500, Deduct	-10.01	
26 51 19 00-0230	EA	6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L) .....	88.79	
		For >50 To 100, Deduct	-2.82	
		For >100 To 250, Deduct	-5.04	
		For >250 To 500, Deduct	-8.88	
		For >500, Deduct	-12.72	
26 51 19 00-0231	EA	6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277) .....	99.32	
		For >50 To 100, Deduct	-3.08	
		For >100 To 250, Deduct	-5.57	
		For >250 To 500, Deduct	-9.93	
		For >500, Deduct	-14.30	
26 51 19 00-0232	EA	6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR).....	108.35	
		For >50 To 100, Deduct	-3.31	
		For >100 To 250, Deduct	-6.02	
		For >250 To 500, Deduct	-10.84	
		For >500, Deduct	-15.65	
26 51 19 00-0233		<b>Recessed LED Downlight Retrofits Trim (CREE®)</b> (26 51 19 00-0226) Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.		
26 51 19 00-0234	EA	6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX).....	29.48	6.74
		For >50 To 100, Deduct	-1.10	
		For >100 To 250, Deduct	-1.84	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-4.06	
26 51 19 00-0235	EA	6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP) .....	35.51	6.74
		For >50 To 100, Deduct	-1.25	
		For >100 To 250, Deduct	-2.14	
		For >250 To 500, Deduct	-3.55	
		For >500, Deduct	-4.97	
26 51 19 00-0236	EA	6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB).....	30.99	6.74
		For >50 To 100, Deduct	-1.14	
		For >100 To 250, Deduct	-1.91	
		For >250 To 500, Deduct	-3.10	
		For >500, Deduct	-4.29	
26 51 19 00-0237		<b>Recessed LED Downlight Fixture Housings (CREE®)</b> (26 51 19 00-0226) Note: Excludes lamp and trim.		
26 51 19 00-0238	EA	6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6) .....	79.45	28.88
		For >50 To 100, Deduct	-3.07	
		For >100 To 250, Deduct	-5.06	
		For >250 To 500, Deduct	-7.95	
		For >500, Deduct	-10.83	
26 51 19 00-0239	EA	6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6) .....	58.36	28.88
		For >50 To 100, Deduct	-2.54	
		For >100 To 250, Deduct	-4.00	
		For >250 To 500, Deduct	-5.84	
		For >500, Deduct	-7.67	
26 51 19 00-0240		<b>Can Retrofit Or Surface Mount, LED Downlights</b> (26 51 19 00-0104)		
26 51 19 00-0241	EA	6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6).....	83.31	26.38
		For >50 To 100, Deduct	-3.07	
		For >100 To 250, Deduct	-5.15	
		For >250 To 500, Deduct	-8.33	
		For >500, Deduct	-11.51	
26 51 19 00-0242	EA	4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D).....	66.31	26.38
		For >50 To 100, Deduct	-2.65	
		For >100 To 250, Deduct	-4.30	
		For >250 To 500, Deduct	-6.63	
		For >500, Deduct	-8.96	
26 51 19 00-0243	EA	6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D).....	66.31	26.38
		For >50 To 100, Deduct	-2.65	
		For >100 To 250, Deduct	-4.30	
		For >250 To 500, Deduct	-6.63	
		For >500, Deduct	-8.96	
26 51 19 00-0244	EA	6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP).....	99.91	26.38
		For Recessed IC/Non-IC Rated Housing For New Construction, Add	37.03	
		For >50 To 100, Deduct	-3.49	
		For >100 To 250, Deduct	-5.98	
		For >250 To 500, Deduct	-9.99	
		For >500, Deduct	-14.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0245	EA		4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840).....	52.28	26.38
			<i>For &gt;50 To 100, Deduct</i>	-2.30	
			<i>For &gt;100 To 250, Deduct</i>	-3.60	
			<i>For &gt;250 To 500, Deduct</i>	-5.23	
			<i>For &gt;500, Deduct</i>	-6.85	
26 51 19 00-0246	EA		5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840).....	57.39	26.38
			<i>For &gt;50 To 100, Deduct</i>	-2.42	
			<i>For &gt;100 To 250, Deduct</i>	-3.86	
			<i>For &gt;250 To 500, Deduct</i>	-5.74	
			<i>For &gt;500, Deduct</i>	-7.62	
26 51 19 00-0247	EA		6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM) .....	638.38	26.38
			<i>For &gt;50 To 100, Deduct</i>	-16.95	
			<i>For &gt;100 To 250, Deduct</i>	-32.91	
			<i>For &gt;250 To 500, Deduct</i>	-63.84	
			<i>For &gt;500, Deduct</i>	-94.77	
<b>26 51 19 00-0248</b>			<b>Wall Mount LED Cylinder Downlight</b> (26 51 19 00-0001)		
26 51 19 00-0249	EA		9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9).....	339.69	40.98
			<i>For &gt;50 To 100, Deduct</i>	-10.03	
			<i>For &gt;100 To 250, Deduct</i>	-18.52	
			<i>For &gt;250 To 500, Deduct</i>	-33.97	
			<i>For &gt;500, Deduct</i>	-49.41	
<b>26 51 19 00-0250</b>			<b>Wall Sconce And Wall Wash LED Fixtures</b> (26 51 19 00-0001)		
<b>26 51 19 00-0251</b>			<b>LED Wall Sconce Fixtures (Hudson Valley Lighting)</b> (26 51 19 00-0250)		
26 51 19 00-0252	EA		2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN).....	370.56	38.51
			<i>For &gt;50 To 100, Deduct</i>	-10.71	
			<i>For &gt;100 To 250, Deduct</i>	-19.97	
			<i>For &gt;250 To 500, Deduct</i>	-37.06	
			<i>For &gt;500, Deduct</i>	-54.14	
<b>26 51 19 00-0253</b>			<b>LED Wall Sconce Fixtures (Kichler)</b> (26 51 19 00-0250)		
26 51 19 00-0254	EA		6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED) .....	209.22	38.51
			<i>For &gt;50 To 100, Deduct</i>	-6.67	
			<i>For &gt;100 To 250, Deduct</i>	-11.91	
			<i>For &gt;250 To 500, Deduct</i>	-20.92	
			<i>For &gt;500, Deduct</i>	-29.94	
<b>26 51 19 00-0255</b>			<b>LED Wall Sconce Fixtures (Metalux)</b> (26 51 19 00-0250)		
26 51 19 00-0256	EA		9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VN7S071009L30ENBN) .....	117.82	38.51
			<i>For &gt;50 To 100, Deduct</i>	-4.39	
			<i>For &gt;100 To 250, Deduct</i>	-7.34	
			<i>For &gt;250 To 500, Deduct</i>	-11.78	
			<i>For &gt;500, Deduct</i>	-16.23	
26 51 19 00-0257	EA		5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH).....	110.31	38.51
			<i>For &gt;50 To 100, Deduct</i>	-4.20	
			<i>For &gt;100 To 250, Deduct</i>	-6.96	
			<i>For &gt;250 To 500, Deduct</i>	-11.03	
			<i>For &gt;500, Deduct</i>	-15.10	
<b>26 51 19 00-0258</b>			<b>Concealed Continuous LED Fixtures</b> (26 51 19 00-0001)		
<b>26 51 19 00-0259</b>			<b>Concealed Continuous LED Fixtures (Fraqtir™ S301)</b> (26 51 19 00-0258)		
26 51 19 00-0260	LF		Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301) .....	496.11	4.39
			<i>For &gt;50 To 100, Deduct</i>	-12.62	
			<i>For &gt;100 To 250, Deduct</i>	-25.03	
			<i>For &gt;250 To 500, Deduct</i>	-49.61	
			<i>For &gt;500, Deduct</i>	-74.20	
26 51 19 00-0261	LF		Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301) .....	565.50	4.39
			<i>For &gt;50 To 100, Deduct</i>	-14.36	
			<i>For &gt;100 To 250, Deduct</i>	-28.49	
			<i>For &gt;250 To 500, Deduct</i>	-56.55	
			<i>For &gt;500, Deduct</i>	-84.61	
<b>26 51 19 00-0262</b>			<b>Low Bay LED Fixtures</b> (26 51 19 00-0001)		
<b>26 51 19 00-0263</b>			<b>LED Linear Low Bay Fixtures (PlanLED)</b> (26 51 19 00-0262)		
26 51 19 00-0264	EA		4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4) .....	263.75	52.76
			<i>For &gt;50 To 100, Deduct</i>	-8.79	
			<i>For &gt;100 To 250, Deduct</i>	-15.39	
			<i>For &gt;250 To 500, Deduct</i>	-26.38	
			<i>For &gt;500, Deduct</i>	-37.36	
26 51 19 00-0265	EA		4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A) .....	354.59	52.76
			<i>For &gt;50 To 100, Deduct</i>	-11.06	
			<i>For &gt;100 To 250, Deduct</i>	-19.93	
			<i>For &gt;250 To 500, Deduct</i>	-35.46	
			<i>For &gt;500, Deduct</i>	-50.99	

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0266	EA	8'	Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A).....	586.09	65.95
			<i>For &gt;50 To 100, Deduct</i>	-17.40	
			<i>For &gt;100 To 250, Deduct</i>	-32.05	
			<i>For &gt;250 To 500, Deduct</i>	-58.61	
			<i>For &gt;500, Deduct</i>	-85.17	
<b>26 51 19 00-0267</b>			<b>LED Low Bay Fixtures (CREE®) <small>(26 51 19 00-0262)</small></b>		
<b>26 51 19 00-0268</b>			<b>LED Low Bay Fixtures (CREE® LS) <small>(26 51 19 00-0267)</small></b>		
			Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0269	EA	2,500 Lumens, 4'	Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V).....	237.61	52.76
			<i>For &gt;50 To 100, Deduct</i>	-8.14	
			<i>For &gt;100 To 250, Deduct</i>	-14.08	
			<i>For &gt;250 To 500, Deduct</i>	-23.76	
			<i>For &gt;500, Deduct</i>	-33.44	
26 51 19 00-0270	EA	2,500 Lumens, 4'	Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V).....	252.96	52.76
			<i>For &gt;50 To 100, Deduct</i>	-8.52	
			<i>For &gt;100 To 250, Deduct</i>	-14.85	
			<i>For &gt;250 To 500, Deduct</i>	-25.30	
			<i>For &gt;500, Deduct</i>	-35.75	
26 51 19 00-0271	EA	4,000 Lumens, 4'	Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V).....	244.01	52.76
			<i>For &gt;50 To 100, Deduct</i>	-8.30	
			<i>For &gt;100 To 250, Deduct</i>	-14.40	
			<i>For &gt;250 To 500, Deduct</i>	-24.40	
			<i>For &gt;500, Deduct</i>	-34.40	
26 51 19 00-0272	EA	4,000 Lumens, 4'	Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V).....	259.36	52.76
			<i>For &gt;50 To 100, Deduct</i>	-8.68	
			<i>For &gt;100 To 250, Deduct</i>	-15.17	
			<i>For &gt;250 To 500, Deduct</i>	-25.94	
			<i>For &gt;500, Deduct</i>	-36.71	
26 51 19 00-0273	EA	5,000 Lumens, 4'	Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V).....	270.87	52.76
			<i>For &gt;50 To 100, Deduct</i>	-8.97	
			<i>For &gt;100 To 250, Deduct</i>	-15.74	
			<i>For &gt;250 To 500, Deduct</i>	-27.09	
			<i>For &gt;500, Deduct</i>	-38.43	
26 51 19 00-0274	EA	5,000 Lumens, 4'	Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V).....	286.22	52.76
			<i>For &gt;50 To 100, Deduct</i>	-9.35	
			<i>For &gt;100 To 250, Deduct</i>	-16.51	
			<i>For &gt;250 To 500, Deduct</i>	-28.62	
			<i>For &gt;500, Deduct</i>	-40.73	
26 51 19 00-0275	EA	8,000 Lumens, 8'	Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V).....	378.57	65.95
			<i>For &gt;50 To 100, Deduct</i>	-12.21	
			<i>For &gt;100 To 250, Deduct</i>	-21.68	
			<i>For &gt;250 To 500, Deduct</i>	-37.86	
			<i>For &gt;500, Deduct</i>	-54.04	
26 51 19 00-0276	EA	8,000 Lumens, 8'	Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V).....	406.71	65.95
			<i>For &gt;50 To 100, Deduct</i>	-12.92	
			<i>For &gt;100 To 250, Deduct</i>	-23.08	
			<i>For &gt;250 To 500, Deduct</i>	-40.67	
			<i>For &gt;500, Deduct</i>	-58.26	
26 51 19 00-0277	EA	10,000 Lumens, 8'	Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V).....	465.56	65.95
			<i>For &gt;50 To 100, Deduct</i>	-14.39	
			<i>For &gt;100 To 250, Deduct</i>	-26.03	
			<i>For &gt;250 To 500, Deduct</i>	-46.56	
			<i>For &gt;500, Deduct</i>	-67.09	
26 51 19 00-0278	EA	10,000 Lumens, 8'	Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V).....	480.91	65.95
			<i>For &gt;50 To 100, Deduct</i>	-14.77	
			<i>For &gt;100 To 250, Deduct</i>	-26.79	
			<i>For &gt;250 To 500, Deduct</i>	-48.09	
			<i>For &gt;500, Deduct</i>	-69.39	
<b>26 51 19 00-0279</b>			<b>LED Low Bay Fixtures (CREE® LN) <small>(26 51 19 00-0267)</small></b>		
			Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.		
26 51 19 00-0280	EA	3,400 Lumens, 4'	Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V).....	521.62	52.76
			<i>For &gt;50 To 100, Deduct</i>	-15.24	
			<i>For &gt;100 To 250, Deduct</i>	-28.28	
			<i>For &gt;250 To 500, Deduct</i>	-52.16	
			<i>For &gt;500, Deduct</i>	-76.04	
26 51 19 00-0281	EA	3,400 Lumens, 4'	Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA).....	585.59	52.76
			<i>For &gt;50 To 100, Deduct</i>	-16.84	
			<i>For &gt;100 To 250, Deduct</i>	-31.48	
			<i>For &gt;250 To 500, Deduct</i>	-58.56	
			<i>For &gt;500, Deduct</i>	-85.64	
<b>26 51 19 00-0282</b>			<b>LED Linear Low Bay Fixtures (CREE® CS) <small>(26 51 19 00-0267)</small></b>		
			Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.		
26 51 19 00-0283	EA	4,000 Lumens, 4'	Length, LED Linear Low Bay Fixture (Cree® CS14™).....	505.34	52.76
			<i>For &gt;50 To 100, Deduct</i>	-14.83	
			<i>For &gt;100 To 250, Deduct</i>	-27.47	
			<i>For &gt;250 To 500, Deduct</i>	-50.53	
			<i>For &gt;500, Deduct</i>	-73.60	
26 51 19 00-0284	EA	7,500 Lumens, 8'	Length, LED Linear Low Bay Fixture (Cree® CS18™).....	628.16	65.95
			<i>For &gt;50 To 100, Deduct</i>	-18.45	
			<i>For &gt;100 To 250, Deduct</i>	-34.16	
			<i>For &gt;250 To 500, Deduct</i>	-62.82	
			<i>For &gt;500, Deduct</i>	-91.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0285	EA		8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	795.22	65.95
			<i>For &gt;50 To 100, Deduct</i>	-22.63	
			<i>For &gt;100 To 250, Deduct</i>	-42.51	
			<i>For &gt;250 To 500, Deduct</i>	-79.52	
			<i>For &gt;500, Deduct</i>	-116.54	
<b>26 51 19 00-0286</b>			<b>Accessories For LED Low Bay Fixtures (CREE®)</b> <small>(26 51 19 00-0267)</small>		
26 51 19 00-0287	EA		Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK) .....	46.70	14.47
			<i>For &gt;50 To 100, Deduct</i>	-1.77	
			<i>For &gt;100 To 250, Deduct</i>	-2.94	
			<i>For &gt;250 To 500, Deduct</i>	-4.67	
			<i>For &gt;500, Deduct</i>	-6.40	
26 51 19 00-0288	EA		Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK) .....	51.22	14.47
			<i>For &gt;50 To 100, Deduct</i>	-1.88	
			<i>For &gt;100 To 250, Deduct</i>	-3.16	
			<i>For &gt;250 To 500, Deduct</i>	-5.12	
			<i>For &gt;500, Deduct</i>	-7.08	
26 51 19 00-0289	EA		Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ) .....	39.16	14.47
			<i>For &gt;50 To 100, Deduct</i>	-1.58	
			<i>For &gt;100 To 250, Deduct</i>	-2.56	
			<i>For &gt;250 To 500, Deduct</i>	-3.92	
			<i>For &gt;500, Deduct</i>	-5.27	
26 51 19 00-0290	EA		Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ).....	31.64	14.47
			<i>For &gt;50 To 100, Deduct</i>	-1.39	
			<i>For &gt;100 To 250, Deduct</i>	-2.19	
			<i>For &gt;250 To 500, Deduct</i>	-3.16	
			<i>For &gt;500, Deduct</i>	-4.14	
26 51 19 00-0291	EA		Solid Reflector, Pair (Cree® LS4-SR).....	99.37	14.47
			<i>For &gt;50 To 100, Deduct</i>	-3.09	
			<i>For &gt;100 To 250, Deduct</i>	-5.57	
			<i>For &gt;250 To 500, Deduct</i>	-9.94	
			<i>For &gt;500, Deduct</i>	-14.30	
26 51 19 00-0292	EA		Solid Reflector, Pair (Cree® LS8-SR).....	137.01	14.47
			<i>For &gt;50 To 100, Deduct</i>	-4.03	
			<i>For &gt;100 To 250, Deduct</i>	-7.45	
			<i>For &gt;250 To 500, Deduct</i>	-13.70	
			<i>For &gt;500, Deduct</i>	-19.95	
26 51 19 00-0293	EA		5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB).....	51.22	14.47
			<i>For &gt;50 To 100, Deduct</i>	-1.88	
			<i>For &gt;100 To 250, Deduct</i>	-3.16	
			<i>For &gt;250 To 500, Deduct</i>	-5.12	
			<i>For &gt;500, Deduct</i>	-7.08	
26 51 19 00-0294	EA		5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB).....	72.29	14.47
			<i>For &gt;50 To 100, Deduct</i>	-2.41	
			<i>For &gt;100 To 250, Deduct</i>	-4.22	
			<i>For &gt;250 To 500, Deduct</i>	-7.23	
			<i>For &gt;500, Deduct</i>	-10.24	
26 51 19 00-0295	EA		5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB).....	57.23	14.47
			<i>For &gt;50 To 100, Deduct</i>	-2.03	
			<i>For &gt;100 To 250, Deduct</i>	-3.46	
			<i>For &gt;250 To 500, Deduct</i>	-5.72	
			<i>For &gt;500, Deduct</i>	-7.98	
26 51 19 00-0296	EA		5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB).....	76.80	14.47
			<i>For &gt;50 To 100, Deduct</i>	-2.52	
			<i>For &gt;100 To 250, Deduct</i>	-4.44	
			<i>For &gt;250 To 500, Deduct</i>	-7.68	
			<i>For &gt;500, Deduct</i>	-10.92	
26 51 19 00-0297	EA		5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB).....	81.32	14.47
			<i>For &gt;50 To 100, Deduct</i>	-2.64	
			<i>For &gt;100 To 250, Deduct</i>	-4.67	
			<i>For &gt;250 To 500, Deduct</i>	-8.13	
			<i>For &gt;500, Deduct</i>	-11.60	
26 51 19 00-0298	EA		5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB).....	69.27	14.47
			<i>For &gt;50 To 100, Deduct</i>	-2.33	
			<i>For &gt;100 To 250, Deduct</i>	-4.07	
			<i>For &gt;250 To 500, Deduct</i>	-6.93	
			<i>For &gt;500, Deduct</i>	-9.79	
26 51 19 00-0299	EA		5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB).....	103.89	14.47
			<i>For &gt;50 To 100, Deduct</i>	-3.20	
			<i>For &gt;100 To 250, Deduct</i>	-5.80	
			<i>For &gt;250 To 500, Deduct</i>	-10.39	
			<i>For &gt;500, Deduct</i>	-14.98	
26 51 19 00-0300	EA		Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC).....	54.22	14.47
			<i>For &gt;50 To 100, Deduct</i>	-1.96	
			<i>For &gt;100 To 250, Deduct</i>	-3.31	
			<i>For &gt;250 To 500, Deduct</i>	-5.42	
			<i>For &gt;500, Deduct</i>	-7.53	
26 51 19 00-0301	EA		Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC) .....	66.26	14.47
			<i>For &gt;50 To 100, Deduct</i>	-2.26	
			<i>For &gt;100 To 250, Deduct</i>	-3.92	
			<i>For &gt;250 To 500, Deduct</i>	-6.63	
			<i>For &gt;500, Deduct</i>	-9.34	
26 51 19 00-0302	EA		Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC) .....	51.22	14.47
			<i>For &gt;50 To 100, Deduct</i>	-1.88	
			<i>For &gt;100 To 250, Deduct</i>	-3.16	
			<i>For &gt;250 To 500, Deduct</i>	-5.12	
			<i>For &gt;500, Deduct</i>	-7.08	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0303	EA		Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W).....	993.43	35.17
			<i>For &gt;50 To 100, Deduct</i>	-26.15	
			<i>For &gt;100 To 250, Deduct</i>	-50.99	
			<i>For &gt;250 To 500, Deduct</i>	-99.34	
			<i>For &gt;500, Deduct</i>	-147.70	
26 51 19 00-0304	EA		120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120) .....	353.77	35.17
			<i>For &gt;50 To 100, Deduct</i>	-10.16	
			<i>For &gt;100 To 250, Deduct</i>	-19.01	
			<i>For &gt;250 To 500, Deduct</i>	-35.38	
			<i>For &gt;500, Deduct</i>	-51.75	
26 51 19 00-0305			<b>LED Linear Low Bay Fixtures (Lithonia MSL)</b> <small>(26 51 19 00-0262)</small> Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0306	EA		4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL) .....	684.07	52.76
			<i>For &gt;50 To 100, Deduct</i>	-19.30	
			<i>For &gt;100 To 250, Deduct</i>	-36.40	
			<i>For &gt;250 To 500, Deduct</i>	-68.41	
			<i>For &gt;500, Deduct</i>	-100.41	
26 51 19 00-0307			<b>High Bay LED Fixtures</b> <small>(26 51 19 00-0001)</small>		
26 51 19 00-0308			<b>LED High Bay Fixtures (Columbia Lighting LWS)</b> <small>(26 51 19 00-0307)</small>		
26 51 19 00-0309	EA		16" x 24", 7,909 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-LW-W-EU) .....	426.16	96.73
			<i>For &gt;50 To 100, Deduct</i>	-15.49	
			<i>For &gt;100 To 250, Deduct</i>	-26.14	
			<i>For &gt;250 To 500, Deduct</i>	-42.62	
			<i>For &gt;500, Deduct</i>	-59.09	
26 51 19 00-0310	EA		16" x 24", 8,526 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-LW-W-EU) .....	426.16	96.73
			<i>For &gt;50 To 100, Deduct</i>	-15.49	
			<i>For &gt;100 To 250, Deduct</i>	-26.14	
			<i>For &gt;250 To 500, Deduct</i>	-42.62	
			<i>For &gt;500, Deduct</i>	-59.09	
26 51 19 00-0311	EA		16" x 24", 11,812 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-ML-W-EU) .....	482.01	96.73
			<i>For &gt;50 To 100, Deduct</i>	-16.89	
			<i>For &gt;100 To 250, Deduct</i>	-28.94	
			<i>For &gt;250 To 500, Deduct</i>	-48.20	
			<i>For &gt;500, Deduct</i>	-67.47	
26 51 19 00-0312	EA		16" x 24", 12,734 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-ML-W-EU) .....	482.01	96.73
			<i>For &gt;50 To 100, Deduct</i>	-16.89	
			<i>For &gt;100 To 250, Deduct</i>	-28.94	
			<i>For &gt;250 To 500, Deduct</i>	-48.20	
			<i>For &gt;500, Deduct</i>	-67.47	
26 51 19 00-0313	EA		16" x 24", 14,813 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-HL-W-EU) .....	575.09	96.73
			<i>For &gt;50 To 100, Deduct</i>	-19.21	
			<i>For &gt;100 To 250, Deduct</i>	-33.59	
			<i>For &gt;250 To 500, Deduct</i>	-57.51	
			<i>For &gt;500, Deduct</i>	-81.43	
26 51 19 00-0314	EA		16" x 24", 15,968 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-HL-W-EU) .....	575.09	96.73
			<i>For &gt;50 To 100, Deduct</i>	-19.21	
			<i>For &gt;100 To 250, Deduct</i>	-33.59	
			<i>For &gt;250 To 500, Deduct</i>	-57.51	
			<i>For &gt;500, Deduct</i>	-81.43	
26 51 19 00-0315	EA		16" x 24", 18,714 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-VL-W-EU) .....	612.32	96.73
			<i>For &gt;50 To 100, Deduct</i>	-20.14	
			<i>For &gt;100 To 250, Deduct</i>	-35.45	
			<i>For &gt;250 To 500, Deduct</i>	-61.23	
			<i>For &gt;500, Deduct</i>	-87.01	
26 51 19 00-0316	EA		16" x 24", 19,511 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-VL-W-EU) .....	612.32	96.73
			<i>For &gt;50 To 100, Deduct</i>	-20.14	
			<i>For &gt;100 To 250, Deduct</i>	-35.45	
			<i>For &gt;250 To 500, Deduct</i>	-61.23	
			<i>For &gt;500, Deduct</i>	-87.01	
26 51 19 00-0317	EA		16" x 24", 22,994 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-XL-W-EU) .....	640.25	96.73
			<i>For &gt;50 To 100, Deduct</i>	-20.84	
			<i>For &gt;100 To 250, Deduct</i>	-36.85	
			<i>For &gt;250 To 500, Deduct</i>	-64.03	
			<i>For &gt;500, Deduct</i>	-91.20	
26 51 19 00-0318	EA		16" x 24", 24,787 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-XL-W-EU) .....	640.25	96.73
			<i>For &gt;50 To 100, Deduct</i>	-20.84	
			<i>For &gt;100 To 250, Deduct</i>	-36.85	
			<i>For &gt;250 To 500, Deduct</i>	-64.03	
			<i>For &gt;500, Deduct</i>	-91.20	
26 51 19 00-0319			<b>LED High Bay Fixtures (Cree)</b> <small>(26 51 19 00-0307)</small>		
26 51 19 00-0320			<b>LED High Bay Fixtures (CREE®)</b> <small>(26 51 19 00-0319)</small>		
26 51 19 00-0321	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-10V) .....	627.14	96.73
			<i>For &gt;50 To 100, Deduct</i>	-20.51	
			<i>For &gt;100 To 250, Deduct</i>	-36.19	
			<i>For &gt;250 To 500, Deduct</i>	-62.71	
			<i>For &gt;500, Deduct</i>	-89.23	
26 51 19 00-0322	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-ML) .....	750.33	96.73
			<i>For &gt;50 To 100, Deduct</i>	-23.59	
			<i>For &gt;100 To 250, Deduct</i>	-42.35	
			<i>For &gt;250 To 500, Deduct</i>	-75.03	
			<i>For &gt;500, Deduct</i>	-107.71	

<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0323	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-10V).....	690.13	96.73
			<i>For &gt;50 To 100, Deduct</i>	-22.09	
			<i>For &gt;100 To 250, Deduct</i>	-39.34	
			<i>For &gt;250 To 500, Deduct</i>	-69.01	
			<i>For &gt;500, Deduct</i>	-98.68	
26 51 19 00-0324	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-ML).....	787.96	96.73
			<i>For &gt;50 To 100, Deduct</i>	-24.54	
			<i>For &gt;100 To 250, Deduct</i>	-44.23	
			<i>For &gt;250 To 500, Deduct</i>	-78.80	
			<i>For &gt;500, Deduct</i>	-113.36	
26 51 19 00-0325	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-10V).....	648.89	96.73
			<i>For &gt;50 To 100, Deduct</i>	-21.06	
			<i>For &gt;100 To 250, Deduct</i>	-37.28	
			<i>For &gt;250 To 500, Deduct</i>	-64.89	
			<i>For &gt;500, Deduct</i>	-92.50	
26 51 19 00-0326	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-ML).....	772.91	96.73
			<i>For &gt;50 To 100, Deduct</i>	-24.16	
			<i>For &gt;100 To 250, Deduct</i>	-43.48	
			<i>For &gt;250 To 500, Deduct</i>	-77.29	
			<i>For &gt;500, Deduct</i>	-111.10	
26 51 19 00-0327	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-10V).....	712.70	96.73
			<i>For &gt;50 To 100, Deduct</i>	-22.65	
			<i>For &gt;100 To 250, Deduct</i>	-40.47	
			<i>For &gt;250 To 500, Deduct</i>	-71.27	
			<i>For &gt;500, Deduct</i>	-102.07	
26 51 19 00-0328	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML).....	810.53	96.73
			<i>For &gt;50 To 100, Deduct</i>	-25.10	
			<i>For &gt;100 To 250, Deduct</i>	-45.36	
			<i>For &gt;250 To 500, Deduct</i>	-81.05	
			<i>For &gt;500, Deduct</i>	-116.74	
<b>26 51 19 00-0329</b>			<b>Accessories For LED High Bay Fixtures (CREE®)</b> <small>(26 51 19 00-0319)</small>		
26 51 19 00-0330	EA		15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P).....	46.70	14.47
			<i>For &gt;50 To 100, Deduct</i>	-1.77	
			<i>For &gt;100 To 250, Deduct</i>	-2.94	
			<i>For &gt;250 To 500, Deduct</i>	-4.67	
			<i>For &gt;500, Deduct</i>	-6.40	
26 51 19 00-0331	EA		15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P).....	46.70	14.47
			<i>For &gt;50 To 100, Deduct</i>	-1.77	
			<i>For &gt;100 To 250, Deduct</i>	-2.94	
			<i>For &gt;250 To 500, Deduct</i>	-4.67	
			<i>For &gt;500, Deduct</i>	-6.40	
26 51 19 00-0332	EA		16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N).....	61.74	14.47
			<i>For &gt;50 To 100, Deduct</i>	-2.15	
			<i>For &gt;100 To 250, Deduct</i>	-3.69	
			<i>For &gt;250 To 500, Deduct</i>	-6.17	
			<i>For &gt;500, Deduct</i>	-8.66	
26 51 19 00-0333	EA		16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16).....	91.85	14.47
			<i>For &gt;50 To 100, Deduct</i>	-2.90	
			<i>For &gt;100 To 250, Deduct</i>	-5.20	
			<i>For &gt;250 To 500, Deduct</i>	-9.19	
			<i>For &gt;500, Deduct</i>	-13.17	
26 51 19 00-0334	EA		16" White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16).....	106.90	14.47
			<i>For &gt;50 To 100, Deduct</i>	-3.28	
			<i>For &gt;100 To 250, Deduct</i>	-5.95	
			<i>For &gt;250 To 500, Deduct</i>	-10.69	
			<i>For &gt;500, Deduct</i>	-15.43	
26 51 19 00-0335	EA		16" Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16).....	61.74	14.47
			<i>For &gt;50 To 100, Deduct</i>	-2.15	
			<i>For &gt;100 To 250, Deduct</i>	-3.69	
			<i>For &gt;250 To 500, Deduct</i>	-6.17	
			<i>For &gt;500, Deduct</i>	-8.66	
26 51 19 00-0336	EA		16" Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16).....	63.25	14.47
			<i>For &gt;50 To 100, Deduct</i>	-2.18	
			<i>For &gt;100 To 250, Deduct</i>	-3.77	
			<i>For &gt;250 To 500, Deduct</i>	-6.33	
			<i>For &gt;500, Deduct</i>	-8.88	
26 51 19 00-0337	EA		16" Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A).....	46.70	14.47
			<i>For &gt;50 To 100, Deduct</i>	-1.77	
			<i>For &gt;100 To 250, Deduct</i>	-2.94	
			<i>For &gt;250 To 500, Deduct</i>	-4.67	
			<i>For &gt;500, Deduct</i>	-6.40	
26 51 19 00-0338	EA		16" Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP).....	49.71	14.47
			<i>For &gt;50 To 100, Deduct</i>	-1.85	
			<i>For &gt;100 To 250, Deduct</i>	-3.09	
			<i>For &gt;250 To 500, Deduct</i>	-4.97	
			<i>For &gt;500, Deduct</i>	-6.85	
26 51 19 00-0339	EA		5' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5).....	33.15	14.47
			<i>For &gt;50 To 100, Deduct</i>	-1.43	
			<i>For &gt;100 To 250, Deduct</i>	-2.26	
			<i>For &gt;250 To 500, Deduct</i>	-3.32	
			<i>For &gt;500, Deduct</i>	-4.37	
26 51 19 00-0340	EA		10' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10).....	34.66	14.47
			<i>For &gt;50 To 100, Deduct</i>	-1.47	
			<i>For &gt;100 To 250, Deduct</i>	-2.34	
			<i>For &gt;250 To 500, Deduct</i>	-3.47	
			<i>For &gt;500, Deduct</i>	-4.60	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0341			<b>LED High Bay Fixtures (DLE)</b> (26 51 19 00-0307)		
26 51 19 00-0342	EA		12,000 Lumens, 120 Watt, LED High Bay Fixture (DLE-12-ST/HV).....	1,012.48	96.73
			For >50 To 100, Deduct	-30.15	
			For >100 To 250, Deduct	-55.46	
			For >250 To 500, Deduct	-101.25	
			For >500, Deduct	-147.04	
26 51 19 00-0343	EA		18,000 Lumens, 180 Watt, LED High Bay Fixture (DLE-18-ST/HV).....	1,238.12	96.73
			For >50 To 100, Deduct	-35.79	
			For >100 To 250, Deduct	-66.74	
			For >250 To 500, Deduct	-123.81	
			For >500, Deduct	-180.88	
26 51 19 00-0344	EA		24,000 Lumens, 230 Watt, LED High Bay Fixture (DLE-24-ST/HV).....	1,447.64	96.73
			For >50 To 100, Deduct	-41.03	
			For >100 To 250, Deduct	-77.22	
			For >250 To 500, Deduct	-144.76	
			For >500, Deduct	-212.31	
26 51 19 00-0345			<b>LED High Bay Fixtures (Everlast)</b> (26 51 19 00-0307)		
26 51 19 00-0346			<b>LED High Bay Fixtures (Everlast EL-LED-LG)</b> (26 51 19 00-0345)		
26 51 19 00-0347	EA		13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC).....	691.61	96.73
			For >50 To 100, Deduct	-22.13	
			For >100 To 250, Deduct	-39.42	
			For >250 To 500, Deduct	-69.16	
			For >500, Deduct	-98.91	
26 51 19 00-0348	EA		13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO).....	729.70	96.73
			For >50 To 100, Deduct	-23.08	
			For >100 To 250, Deduct	-41.32	
			For >250 To 500, Deduct	-72.97	
			For >500, Deduct	-104.62	
26 51 19 00-0349	EA		15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16).....	653.51	96.73
			For >50 To 100, Deduct	-21.17	
			For >100 To 250, Deduct	-37.51	
			For >250 To 500, Deduct	-65.35	
			For >500, Deduct	-93.19	
26 51 19 00-0350	EA		15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22).....	669.63	96.73
			For >50 To 100, Deduct	-21.58	
			For >100 To 250, Deduct	-38.32	
			For >250 To 500, Deduct	-66.96	
			For >500, Deduct	-95.61	
26 51 19 00-0351	EA		17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC).....	757.54	96.73
			For >50 To 100, Deduct	-23.77	
			For >100 To 250, Deduct	-42.71	
			For >250 To 500, Deduct	-75.75	
			For >500, Deduct	-108.79	
26 51 19 00-0352	EA		17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO).....	823.47	96.73
			For >50 To 100, Deduct	-25.42	
			For >100 To 250, Deduct	-46.01	
			For >250 To 500, Deduct	-82.35	
			For >500, Deduct	-118.68	
26 51 19 00-0353	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16).....	722.38	96.73
			For >50 To 100, Deduct	-22.90	
			For >100 To 250, Deduct	-40.96	
			For >250 To 500, Deduct	-72.24	
			For >500, Deduct	-103.52	
26 51 19 00-0354	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22).....	779.52	96.73
			For >50 To 100, Deduct	-24.32	
			For >100 To 250, Deduct	-43.81	
			For >250 To 500, Deduct	-77.95	
			For >500, Deduct	-112.09	
26 51 19 00-0355	EA		34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30).....	1,123.83	96.73
			For >50 To 100, Deduct	-32.93	
			For >100 To 250, Deduct	-61.03	
			For >250 To 500, Deduct	-112.38	
			For >500, Deduct	-163.74	
26 51 19 00-0356	EA		43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30).....	1,226.39	96.73
			For >50 To 100, Deduct	-35.50	
			For >100 To 250, Deduct	-66.16	
			For >250 To 500, Deduct	-122.64	
			For >500, Deduct	-179.12	
26 51 19 00-0357	EA		66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30).....	1,519.43	96.73
			For >50 To 100, Deduct	-42.82	
			For >100 To 250, Deduct	-80.81	
			For >250 To 500, Deduct	-151.94	
			For >500, Deduct	-223.08	
26 51 19 00-0358			<b>LED High Bay Fixtures (Everlast EL-LED-CS)</b> (26 51 19 00-0345)		
26 51 19 00-0359	EA		5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	442.53	96.73
			For >50 To 100, Deduct	-15.90	
			For >100 To 250, Deduct	-26.96	
			For >250 To 500, Deduct	-44.25	
			For >500, Deduct	-61.54	
26 51 19 00-0360	EA		10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	640.33	96.73
			For >50 To 100, Deduct	-20.84	
			For >100 To 250, Deduct	-36.85	
			For >250 To 500, Deduct	-64.03	
			For >500, Deduct	-91.21	

<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0361 EA 15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	728.24	96.73
For >50 To 100, Deduct	-23.04	
For >100 To 250, Deduct	-41.25	
For >250 To 500, Deduct	-72.82	
For >500, Deduct	-104.40	
26 51 19 00-0362 EA 20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	830.80	96.73
For >50 To 100, Deduct	-25.61	
For >100 To 250, Deduct	-46.38	
For >250 To 500, Deduct	-83.08	
For >500, Deduct	-119.78	
26 51 19 00-0363 EA 30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	896.73	96.73
For >50 To 100, Deduct	-27.25	
For >100 To 250, Deduct	-49.67	
For >250 To 500, Deduct	-89.67	
For >500, Deduct	-129.67	
<b>26 51 19 00-0364 LED High Bay Fixtures (Everlast EL-LED-HB-LG) (26 51 19 00-0345)</b>		
26 51 19 00-0365 EA 10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG).....	574.39	96.73
For >50 To 100, Deduct	-19.20	
For >100 To 250, Deduct	-33.56	
For >250 To 500, Deduct	-57.44	
For >500, Deduct	-81.32	
26 51 19 00-0366 EA 15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG).....	611.02	96.73
For >50 To 100, Deduct	-20.11	
For >100 To 250, Deduct	-35.39	
For >250 To 500, Deduct	-61.10	
For >500, Deduct	-86.82	
26 51 19 00-0367 EA 20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG).....	662.30	96.73
For >50 To 100, Deduct	-21.39	
For >100 To 250, Deduct	-37.95	
For >250 To 500, Deduct	-66.23	
For >500, Deduct	-94.51	
<b>26 51 19 00-0368 LED High Bay Fixtures (Everlast EL-LED-LHB) (26 51 19 00-0345)</b>		
26 51 19 00-0369 EA 13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB).....	583.19	96.73
For >50 To 100, Deduct	-19.42	
For >100 To 250, Deduct	-34.00	
For >250 To 500, Deduct	-58.32	
For >500, Deduct	-82.64	
26 51 19 00-0370 EA 26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB).....	713.59	96.73
For >50 To 100, Deduct	-22.68	
For >100 To 250, Deduct	-40.52	
For >250 To 500, Deduct	-71.36	
For >500, Deduct	-102.20	
26 51 19 00-0371 EA 39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB).....	882.08	96.73
For >50 To 100, Deduct	-26.89	
For >100 To 250, Deduct	-48.94	
For >250 To 500, Deduct	-88.21	
For >500, Deduct	-127.48	
<b>26 51 19 00-0372 LED High Bay Fixtures (Lithonia IBL) (26 51 19 00-0307)</b>		
Note: Includes aluminum alloy chassis.		
26 51 19 00-0373 EA 9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L).....	538.55	96.73
For >50 To 100, Deduct	-18.30	
For >100 To 250, Deduct	-31.76	
For >250 To 500, Deduct	-53.86	
For >500, Deduct	-75.95	
26 51 19 00-0374 EA 12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L).....	585.09	96.73
For >50 To 100, Deduct	-19.46	
For >100 To 250, Deduct	-34.09	
For >250 To 500, Deduct	-58.51	
For >500, Deduct	-82.93	
26 51 19 00-0375 EA 18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L).....	710.75	96.73
For >50 To 100, Deduct	-22.61	
For >100 To 250, Deduct	-40.37	
For >250 To 500, Deduct	-71.08	
For >500, Deduct	-101.78	
26 51 19 00-0376 EA 24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L).....	761.01	96.73
For >50 To 100, Deduct	-23.86	
For >100 To 250, Deduct	-42.89	
For >250 To 500, Deduct	-76.10	
For >500, Deduct	-109.32	
<b>26 51 19 00-0377 LED High Bay Fixtures (Metalux SSLED) (26 51 19 00-0307)</b>		
26 51 19 00-0378 EA 12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U).....	506.21	96.73
For >50 To 100, Deduct	-17.49	
For >100 To 250, Deduct	-30.15	
For >250 To 500, Deduct	-50.62	
For >500, Deduct	-71.10	
26 51 19 00-0379 EA 15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U).....	518.50	96.73
For >50 To 100, Deduct	-17.80	
For >100 To 250, Deduct	-30.76	
For >250 To 500, Deduct	-51.85	
For >500, Deduct	-72.94	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0380	EA		18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U) .....	523.45	96.73
			<i>For &gt;50 To 100, Deduct</i>	-17.92	
			<i>For &gt;100 To 250, Deduct</i>	-31.01	
			<i>For &gt;250 To 500, Deduct</i>	-52.35	
			<i>For &gt;500, Deduct</i>	-73.68	
26 51 19 00-0381	EA		24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U) .....	570.56	96.73
			<i>For &gt;50 To 100, Deduct</i>	-19.10	
			<i>For &gt;100 To 250, Deduct</i>	-33.36	
			<i>For &gt;250 To 500, Deduct</i>	-57.06	
			<i>For &gt;500, Deduct</i>	-80.75	
26 51 19 00-0382	EA		30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U) .....	625.44	96.73
			<i>For &gt;50 To 100, Deduct</i>	-20.47	
			<i>For &gt;100 To 250, Deduct</i>	-36.11	
			<i>For &gt;250 To 500, Deduct</i>	-62.54	
			<i>For &gt;500, Deduct</i>	-88.98	
26 51 19 00-0383	EA		36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U) .....	646.03	96.73
			<i>For &gt;50 To 100, Deduct</i>	-20.99	
			<i>For &gt;100 To 250, Deduct</i>	-37.14	
			<i>For &gt;250 To 500, Deduct</i>	-64.60	
			<i>For &gt;500, Deduct</i>	-92.07	
26 51 19 00-0384			<b>LED High Bay Fixtures (PlanLED)</b> <small>(26 51 19 00-0307)</small>		
26 51 19 00-0385			<b>LED High Bay Fixtures (PlanLED LUNA)</b> <small>(26 51 19 00-0384)</small>		
			Note: Includes aluminum alloy chassis.		
26 51 19 00-0386	EA		7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70) .....	674.03	96.73
			<i>For &gt;50 To 100, Deduct</i>	-21.69	
			<i>For &gt;100 To 250, Deduct</i>	-38.54	
			<i>For &gt;250 To 500, Deduct</i>	-67.40	
			<i>For &gt;500, Deduct</i>	-96.27	
26 51 19 00-0387	EA		9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98) .....	756.08	96.73
			<i>For &gt;50 To 100, Deduct</i>	-23.74	
			<i>For &gt;100 To 250, Deduct</i>	-42.64	
			<i>For &gt;250 To 500, Deduct</i>	-75.61	
			<i>For &gt;500, Deduct</i>	-108.58	
26 51 19 00-0388	EA		13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130) .....	874.75	96.73
			<i>For &gt;50 To 100, Deduct</i>	-26.71	
			<i>For &gt;100 To 250, Deduct</i>	-48.57	
			<i>For &gt;250 To 500, Deduct</i>	-87.48	
			<i>For &gt;500, Deduct</i>	-126.38	
26 51 19 00-0389	EA		16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160) .....	990.50	96.73
			<i>For &gt;50 To 100, Deduct</i>	-29.60	
			<i>For &gt;100 To 250, Deduct</i>	-54.36	
			<i>For &gt;250 To 500, Deduct</i>	-99.05	
			<i>For &gt;500, Deduct</i>	-143.74	
26 51 19 00-0390			<b>LED High Bay Fixtures (PlanLED IBL)</b> <small>(26 51 19 00-0384)</small>		
			Note: Includes aluminum alloy chassis.		
26 51 19 00-0391	EA		13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W) .....	732.63	96.73
			<i>For 480 Volt, Add</i>	40.52	
			<i>For &gt;50 To 100, Deduct</i>	-23.15	
			<i>For &gt;100 To 250, Deduct</i>	-41.47	
			<i>For &gt;250 To 500, Deduct</i>	-73.26	
			<i>For &gt;500, Deduct</i>	-105.06	
26 51 19 00-0392	EA		21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W) .....	1,018.34	96.73
			<i>For 480 Volt, Add</i>	51.20	
			<i>For &gt;50 To 100, Deduct</i>	-30.29	
			<i>For &gt;100 To 250, Deduct</i>	-55.75	
			<i>For &gt;250 To 500, Deduct</i>	-101.83	
			<i>For &gt;500, Deduct</i>	-147.91	
26 51 19 00-0393	EA		42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W) .....	1,805.14	96.73
			<i>For 480 Volt, Add</i>	80.92	
			<i>For &gt;50 To 100, Deduct</i>	-49.96	
			<i>For &gt;100 To 250, Deduct</i>	-95.09	
			<i>For &gt;250 To 500, Deduct</i>	-180.51	
			<i>For &gt;500, Deduct</i>	-265.93	
26 51 19 00-0394			<b>LED High Bay Fixtures (PlanLED SEGA)</b> <small>(26 51 19 00-0384)</small>		
			Note: Includes aluminum alloy chassis.		
26 51 19 00-0395	EA		10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080) .....	578.79	96.73
			<i>For 0 To 10 Volt Dimming, Add</i>	62.75	
			<i>For &gt;50 To 100, Deduct</i>	-19.31	
			<i>For &gt;100 To 250, Deduct</i>	-33.78	
			<i>For &gt;250 To 500, Deduct</i>	-57.88	
			<i>For &gt;500, Deduct</i>	-81.98	
26 51 19 00-0396	EA		13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100) .....	618.35	96.73
			<i>For 0 To 10 Volt Dimming, Add</i>	62.75	
			<i>For &gt;50 To 100, Deduct</i>	-20.30	
			<i>For &gt;100 To 250, Deduct</i>	-35.75	
			<i>For &gt;250 To 500, Deduct</i>	-61.84	
			<i>For &gt;500, Deduct</i>	-87.92	
26 51 19 00-0397	EA		16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130) .....	754.61	96.73
			<i>For 0 To 10 Volt Dimming, Add</i>	62.75	
			<i>For &gt;50 To 100, Deduct</i>	-23.70	
			<i>For &gt;100 To 250, Deduct</i>	-42.57	
			<i>For &gt;250 To 500, Deduct</i>	-75.46	
			<i>For &gt;500, Deduct</i>	-108.36	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0398	EA		20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160).....	852.78	96.73
			<i>For 0 To 10 Volt Dimming, Add</i>	62.75	
			<i>For &gt;50 To 100, Deduct</i>	-26.16	
			<i>For &gt;100 To 250, Deduct</i>	-47.48	
			<i>For &gt;250 To 500, Deduct</i>	-85.28	
			<i>For &gt;500, Deduct</i>	-123.08	
26 51 19 00-0399	EA		50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400).....	1,576.57	96.73
			<i>For &gt;50 To 100, Deduct</i>	-44.25	
			<i>For &gt;100 To 250, Deduct</i>	-83.66	
			<i>For &gt;250 To 500, Deduct</i>	-157.66	
			<i>For &gt;500, Deduct</i>	-231.65	
26 51 19 00-0400	EA		57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500).....	1,705.51	96.73
			<i>For &gt;50 To 100, Deduct</i>	-47.47	
			<i>For &gt;100 To 250, Deduct</i>	-90.11	
			<i>For &gt;250 To 500, Deduct</i>	-170.55	
			<i>For &gt;500, Deduct</i>	-250.99	
26 51 19 00-0401	EA		80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640).....	2,590.71	96.73
			<i>For &gt;50 To 100, Deduct</i>	-69.60	
			<i>For &gt;100 To 250, Deduct</i>	-134.37	
			<i>For &gt;250 To 500, Deduct</i>	-259.07	
			<i>For &gt;500, Deduct</i>	-383.77	
26 51 19 00-0402			Wet/Hazardous Location, LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0403			Wet Location, LED Fixtures (26 51 19 00-0403)		
26 51 19 00-0404			Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) (26 51 19 00-0403)		
			Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0405	EA		3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L).....	1,876.33	73.87
			<i>For Ceiling Mount, Add</i>	16.36	
			<i>For Quick Clip Mounting Option, Add</i>	24.05	
			<i>For Frosted Lens, Add</i>	51.71	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For Stanchion Mount, Add</i>	111.56	
			<i>For Wall Mount, Add</i>	123.49	
			<i>For Polycarbonate Lens, Add</i>	95.84	
			<i>For Teflon Coated Lens, Add</i>	109.75	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For &gt;50 To 100, Deduct</i>	-49.99	
			<i>For &gt;100 To 250, Deduct</i>	-96.89	
			<i>For &gt;250 To 500, Deduct</i>	-187.63	
			<i>For &gt;500, Deduct</i>	-278.37	
26 51 19 00-0406	EA		5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L).....	1,912.77	79.14
			<i>For Ceiling Mount, Add</i>	16.36	
			<i>For Quick Clip Mounting Option, Add</i>	24.05	
			<i>For Frosted Lens, Add</i>	51.71	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For Stanchion Mount, Add</i>	111.56	
			<i>For Wall Mount, Add</i>	123.49	
			<i>For Polycarbonate Lens, Add</i>	95.84	
			<i>For Teflon Coated Lens, Add</i>	109.75	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For &gt;50 To 100, Deduct</i>	-51.12	
			<i>For &gt;100 To 250, Deduct</i>	-98.94	
			<i>For &gt;250 To 500, Deduct</i>	-191.28	
			<i>For &gt;500, Deduct</i>	-283.62	
26 51 19 00-0407	EA		7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L).....	2,159.50	84.41
			<i>For Ceiling Mount, Add</i>	16.36	
			<i>For Quick Clip Mounting Option, Add</i>	24.05	
			<i>For Frosted Lens, Add</i>	51.71	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For Stanchion Mount, Add</i>	111.56	
			<i>For Wall Mount, Add</i>	123.49	
			<i>For Polycarbonate Lens, Add</i>	95.84	
			<i>For Teflon Coated Lens, Add</i>	109.75	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For &gt;50 To 100, Deduct</i>	-57.50	
			<i>For &gt;100 To 250, Deduct</i>	-111.49	
			<i>For &gt;250 To 500, Deduct</i>	-215.95	
			<i>For &gt;500, Deduct</i>	-320.41	
26 51 19 00-0408	EA		9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L).....	2,599.24	89.69
			<i>For Ceiling Mount, Add</i>	16.36	
			<i>For Quick Clip Mounting Option, Add</i>	24.05	
			<i>For Frosted Lens, Add</i>	51.71	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For Stanchion Mount, Add</i>	111.56	
			<i>For Wall Mount, Add</i>	123.49	
			<i>For Polycarbonate Lens, Add</i>	95.84	
			<i>For Teflon Coated Lens, Add</i>	109.75	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For &gt;50 To 100, Deduct</i>	-68.72	
			<i>For &gt;100 To 250, Deduct</i>	-133.70	
			<i>For &gt;250 To 500, Deduct</i>	-259.92	
			<i>For &gt;500, Deduct</i>	-386.15	

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0409	EA		11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L) .....	3,314.67	94.96
			<i>For Ceiling Mount, Add</i>	16.36	
			<i>For Quick Clip Mounting Option, Add</i>	24.05	
			<i>For Frosted Lens, Add</i>	51.71	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For Stanchion Mount, Add</i>	111.56	
			<i>For Wall Mount, Add</i>	123.49	
			<i>For Polycarbonate Lens, Add</i>	95.84	
			<i>For Teflon Coated Lens, Add</i>	109.75	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For &gt;50 To 100, Deduct</i>	-86.82	
			<i>For &gt;100 To 250, Deduct</i>	-169.69	
			<i>For &gt;250 To 500, Deduct</i>	-331.47	
			<i>For &gt;500, Deduct</i>	-493.24	
26 51 19 00-0410	EA		13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L) .....	4,361.10	97.60
			<i>For Ceiling Mount, Add</i>	16.36	
			<i>For Quick Clip Mounting Option, Add</i>	24.05	
			<i>For Frosted Lens, Add</i>	51.71	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For Stanchion Mount, Add</i>	111.56	
			<i>For Wall Mount, Add</i>	123.49	
			<i>For Polycarbonate Lens, Add</i>	95.84	
			<i>For Teflon Coated Lens, Add</i>	109.75	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For &gt;50 To 100, Deduct</i>	-113.09	
			<i>For &gt;100 To 250, Deduct</i>	-222.12	
			<i>For &gt;250 To 500, Deduct</i>	-436.11	
			<i>For &gt;500, Deduct</i>	-650.10	
26 51 19 00-0411	EA		18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L) .....	5,050.76	100.24
			<i>For Ceiling Mount, Add</i>	16.36	
			<i>For Quick Clip Mounting Option, Add</i>	24.05	
			<i>For Frosted Lens, Add</i>	51.71	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For Stanchion Mount, Add</i>	111.56	
			<i>For Wall Mount, Add</i>	123.49	
			<i>For Polycarbonate Lens, Add</i>	95.84	
			<i>For Teflon Coated Lens, Add</i>	109.75	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For &gt;50 To 100, Deduct</i>	-130.45	
			<i>For &gt;100 To 250, Deduct</i>	-256.71	
			<i>For &gt;250 To 500, Deduct</i>	-505.08	
			<i>For &gt;500, Deduct</i>	-753.44	
26 51 19 00-0412			<b>Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM)</b> <small>(26 51 19 00-0403)</small>		
			Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0413	EA		5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L) .....	1,691.20	79.14
			<i>For Bolt-On Visor, Add</i>	89.03	
			<i>For Bolt-On Wire Guard, Add</i>	183.12	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For &gt;50 To 100, Deduct</i>	-45.58	
			<i>For &gt;100 To 250, Deduct</i>	-87.86	
			<i>For &gt;250 To 500, Deduct</i>	-169.12	
			<i>For &gt;500, Deduct</i>	-250.38	
26 51 19 00-0414	EA		7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L) .....	2,495.22	84.41
			<i>For Bolt-On Visor, Add</i>	89.03	
			<i>For Bolt-On Wire Guard, Add</i>	183.12	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For &gt;50 To 100, Deduct</i>	-65.90	
			<i>For &gt;100 To 250, Deduct</i>	-128.28	
			<i>For &gt;250 To 500, Deduct</i>	-249.52	
			<i>For &gt;500, Deduct</i>	-370.77	
26 51 19 00-0415	EA		9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L) .....	2,751.17	89.69
			<i>For Bolt-On Visor, Add</i>	89.03	
			<i>For Bolt-On Wire Guard, Add</i>	183.12	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For &gt;50 To 100, Deduct</i>	-72.52	
			<i>For &gt;100 To 250, Deduct</i>	-141.30	
			<i>For &gt;250 To 500, Deduct</i>	-275.12	
			<i>For &gt;500, Deduct</i>	-408.94	
26 51 19 00-0416	EA		11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L) .....	3,158.58	94.96
			<i>For Bolt-On Visor, Add</i>	89.03	
			<i>For Bolt-On Wire Guard, Add</i>	183.12	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For &gt;50 To 100, Deduct</i>	-82.92	
			<i>For &gt;100 To 250, Deduct</i>	-161.89	
			<i>For &gt;250 To 500, Deduct</i>	-315.86	
			<i>For &gt;500, Deduct</i>	-469.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 19 00-0417			<b>Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L)</b> <small>(26 51 19 00-0403)</small>		
			Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0418	EA		1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L).....	1,173.23	73.87
			For 12/24 Volt DC Driver, Add	25.30	
			For Frosted Lens, Add	51.71	
			For 55 Degree Ambient Suitability (AC Only), Add	34.45	
			For Warm White Color Rendering, Add	66.57	
			For Ceiling Mount, Add	78.61	
			For Wall Mount, Add	114.01	
			For Teflon Coated Lens, Add	109.75	
			For Wall Mount With Junction Box, Add	165.62	
			For >50 To 100, Deduct	-32.41	
			For >100 To 250, Deduct	-61.74	
			For >250 To 500, Deduct	-117.32	
			For >500, Deduct	-172.91	
26 51 19 00-0419			<b>Vaportight, LED Fixtures</b> <small>(26 51 19 00-0402)</small>		
26 51 19 00-0420			<b>General Distribution, Vaportight, LED Fixtures (Metalux)</b> <small>(26 51 19 00-0419)</small>		
26 51 19 00-0421	EA		2', 2,000 Lumens, 16 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-G-UNV-L850-CD1-U) .....	283.01	42.21
			For >50 To 100, Deduct	-8.83	
			For >100 To 250, Deduct	-15.91	
			For >250 To 500, Deduct	-28.30	
			For >500, Deduct	-40.69	
26 51 19 00-0422	EA		2', 3,000 Lumens, 24 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-G-UNV-L850-CD1-U) .....	296.04	42.21
			For >50 To 100, Deduct	-9.16	
			For >100 To 250, Deduct	-16.56	
			For >250 To 500, Deduct	-29.60	
			For >500, Deduct	-42.65	
26 51 19 00-0423	EA		2', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-G-UNV-L850-CD1-U) .....	322.13	42.21
			For >50 To 100, Deduct	-9.81	
			For >100 To 250, Deduct	-17.87	
			For >250 To 500, Deduct	-32.21	
			For >500, Deduct	-46.56	
26 51 19 00-0424	EA		4', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-G-UNV-L850-CD1-U) .....	282.65	52.76
			For >50 To 100, Deduct	-9.26	
			For >100 To 250, Deduct	-16.33	
			For >250 To 500, Deduct	-28.27	
			For >500, Deduct	-40.20	
26 51 19 00-0425	EA		4', 6,000 Lumens, 51 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-G-UNV-L850-CD1-U) .....	320.05	52.76
			For >50 To 100, Deduct	-10.20	
			For >100 To 250, Deduct	-18.20	
			For >250 To 500, Deduct	-32.01	
			For >500, Deduct	-45.81	
26 51 19 00-0426	EA		4', 8,000 Lumens, 67 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-G-UNV-L850-CD1-U) .....	457.08	52.76
			For >50 To 100, Deduct	-13.63	
			For >100 To 250, Deduct	-25.05	
			For >250 To 500, Deduct	-45.71	
			For >500, Deduct	-66.36	
26 51 19 00-0427			<b>Wide Distribution, Vaportight, LED Fixtures (Metalux)</b> <small>(26 51 19 00-0419)</small>		
26 51 19 00-0428	EA		2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-W-UNV-L850-CD1-U) .....	309.09	42.21
			For >50 To 100, Deduct	-9.49	
			For >100 To 250, Deduct	-17.21	
			For >250 To 500, Deduct	-30.91	
			For >500, Deduct	-44.61	
26 51 19 00-0429	EA		2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-W-UNV-L850-CD1-U) .....	322.13	42.21
			For >50 To 100, Deduct	-9.81	
			For >100 To 250, Deduct	-17.87	
			For >250 To 500, Deduct	-32.21	
			For >500, Deduct	-46.56	
26 51 19 00-0430	EA		2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-W-UNV-L850-CD1-U) .....	348.21	42.21
			For >50 To 100, Deduct	-10.46	
			For >100 To 250, Deduct	-19.17	
			For >250 To 500, Deduct	-34.82	
			For >500, Deduct	-50.47	
26 51 19 00-0431	EA		4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-W-UNV-L850-CD1-U) .....	404.92	52.76
			For >50 To 100, Deduct	-12.32	
			For >100 To 250, Deduct	-22.44	
			For >250 To 500, Deduct	-40.49	
			For >500, Deduct	-58.54	

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0432	EA		4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-W-UNV-L850-CD1-U).....	457.08	52.76
			For >50 To 100, Deduct	-13.63	
			For >100 To 250, Deduct	-25.05	
			For >250 To 500, Deduct	-45.71	
			For >500, Deduct	-66.36	
26 51 19 00-0433	EA		4', 8,000 Lumens, 70 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-W-UNV-L850-CD1-U).....	509.24	52.76
			For >50 To 100, Deduct	-14.93	
			For >100 To 250, Deduct	-27.66	
			For >250 To 500, Deduct	-50.92	
			For >500, Deduct	-74.19	
<b>26 51 19 00-0434</b>			<b>Parking Garage Distribution, Vaportight, LED Fixtures (Metalux) (26 51 19 00-0419)</b>		
26 51 19 00-0435	EA		2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-P-UNV-L850-CD1-U).....	309.09	42.21
			For >50 To 100, Deduct	-9.49	
			For >100 To 250, Deduct	-17.21	
			For >250 To 500, Deduct	-30.91	
			For >500, Deduct	-44.61	
26 51 19 00-0436	EA		2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-P-UNV-L850-CD1-U).....	323.12	42.21
			For >50 To 100, Deduct	-9.84	
			For >100 To 250, Deduct	-17.91	
			For >250 To 500, Deduct	-32.31	
			For >500, Deduct	-46.71	
26 51 19 00-0437	EA		2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-P-UNV-L850-CD1-U).....	348.21	42.21
			For >50 To 100, Deduct	-10.46	
			For >100 To 250, Deduct	-19.17	
			For >250 To 500, Deduct	-34.82	
			For >500, Deduct	-50.47	
26 51 19 00-0438	EA		4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-P-UNV-L850-CD1-U).....	404.92	52.76
			For >50 To 100, Deduct	-12.32	
			For >100 To 250, Deduct	-22.44	
			For >250 To 500, Deduct	-40.49	
			For >500, Deduct	-58.54	
26 51 19 00-0439	EA		4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-P-UNV-L850-CD1-U).....	457.08	52.76
			For >50 To 100, Deduct	-13.63	
			For >100 To 250, Deduct	-25.05	
			For >250 To 500, Deduct	-45.71	
			For >500, Deduct	-66.36	
26 51 19 00-0440	EA		4', 8,000 Lumens, 69 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-P-UNV-L850-CD1-U).....	509.24	52.76
			For >50 To 100, Deduct	-14.93	
			For >100 To 250, Deduct	-27.66	
			For >250 To 500, Deduct	-50.92	
			For >500, Deduct	-74.19	
<b>26 51 19 00-0441</b>			<b>Ceiling Mounted LED Fixtures (26 51 19 00-0001)</b>		
<b>26 51 19 00-0442</b>			<b>Ceiling Mounted, LED Drum Fixtures (Enertron) (26 51 19 00-0441)</b>		
26 51 19 00-0443	EA		11" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30).....	121.39	35.17
			For >50 To 100, Deduct	-4.35	
			For >100 To 250, Deduct	-7.39	
			For >250 To 500, Deduct	-12.14	
			For >500, Deduct	-16.89	
26 51 19 00-0444	EA		11" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30).....	128.20	35.17
			For >50 To 100, Deduct	-4.52	
			For >100 To 250, Deduct	-7.73	
			For >250 To 500, Deduct	-12.82	
			For >500, Deduct	-17.91	
26 51 19 00-0445	EA		11" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30).....	135.01	35.17
			For >50 To 100, Deduct	-4.69	
			For >100 To 250, Deduct	-8.07	
			For >250 To 500, Deduct	-13.50	
			For >500, Deduct	-18.93	
26 51 19 00-0446	EA		11" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30).....	141.83	35.17
			For >50 To 100, Deduct	-4.86	
			For >100 To 250, Deduct	-8.41	
			For >250 To 500, Deduct	-14.18	
			For >500, Deduct	-19.96	
26 51 19 00-0447	EA		14" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30).....	133.73	38.69
			For >50 To 100, Deduct	-4.79	
			For >100 To 250, Deduct	-8.14	
			For >250 To 500, Deduct	-13.37	
			For >500, Deduct	-18.61	
26 51 19 00-0448	EA		14" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30).....	140.54	38.69
			For >50 To 100, Deduct	-4.96	
			For >100 To 250, Deduct	-8.48	
			For >250 To 500, Deduct	-14.05	
			For >500, Deduct	-19.63	
26 51 19 00-0449	EA		14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30).....	147.35	38.69
			For >50 To 100, Deduct	-5.13	
			For >100 To 250, Deduct	-8.82	
			For >250 To 500, Deduct	-14.74	
			For >500, Deduct	-20.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0450	EA	14"	Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30).....	154.16	38.69
			<i>For &gt;50 To 100, Deduct</i>	-5.31	
			<i>For &gt;100 To 250, Deduct</i>	-9.16	
			<i>For &gt;250 To 500, Deduct</i>	-15.42	
			<i>For &gt;500, Deduct</i>	-21.67	
26 51 19 00-0451	EA	14"	Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30).....	167.79	38.69
			<i>For &gt;50 To 100, Deduct</i>	-5.65	
			<i>For &gt;100 To 250, Deduct</i>	-9.84	
			<i>For &gt;250 To 500, Deduct</i>	-16.78	
			<i>For &gt;500, Deduct</i>	-23.72	
26 51 19 00-0452	EA	11"	Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35) .....	121.39	35.17
			<i>For &gt;50 To 100, Deduct</i>	-4.35	
			<i>For &gt;100 To 250, Deduct</i>	-7.39	
			<i>For &gt;250 To 500, Deduct</i>	-12.14	
			<i>For &gt;500, Deduct</i>	-16.89	
26 51 19 00-0453	EA	11"	Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35).....	128.20	35.17
			<i>For &gt;50 To 100, Deduct</i>	-4.52	
			<i>For &gt;100 To 250, Deduct</i>	-7.73	
			<i>For &gt;250 To 500, Deduct</i>	-12.82	
			<i>For &gt;500, Deduct</i>	-17.91	
26 51 19 00-0454	EA	11"	Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35).....	135.01	35.17
			<i>For &gt;50 To 100, Deduct</i>	-4.69	
			<i>For &gt;100 To 250, Deduct</i>	-8.07	
			<i>For &gt;250 To 500, Deduct</i>	-13.50	
			<i>For &gt;500, Deduct</i>	-18.93	
26 51 19 00-0455	EA	11"	Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35).....	141.82	35.17
			<i>For &gt;50 To 100, Deduct</i>	-4.86	
			<i>For &gt;100 To 250, Deduct</i>	-8.41	
			<i>For &gt;250 To 500, Deduct</i>	-14.18	
			<i>For &gt;500, Deduct</i>	-19.95	
26 51 19 00-0456	EA	14"	Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35) .....	133.73	38.69
			<i>For &gt;50 To 100, Deduct</i>	-4.79	
			<i>For &gt;100 To 250, Deduct</i>	-8.14	
			<i>For &gt;250 To 500, Deduct</i>	-13.37	
			<i>For &gt;500, Deduct</i>	-18.61	
26 51 19 00-0457	EA	14"	Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35).....	140.54	38.69
			<i>For &gt;50 To 100, Deduct</i>	-4.96	
			<i>For &gt;100 To 250, Deduct</i>	-8.48	
			<i>For &gt;250 To 500, Deduct</i>	-14.05	
			<i>For &gt;500, Deduct</i>	-19.63	
26 51 19 00-0458	EA	14"	Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35).....	147.35	38.69
			<i>For &gt;50 To 100, Deduct</i>	-5.13	
			<i>For &gt;100 To 250, Deduct</i>	-8.82	
			<i>For &gt;250 To 500, Deduct</i>	-14.74	
			<i>For &gt;500, Deduct</i>	-20.65	
26 51 19 00-0459	EA	14"	Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35).....	154.16	38.69
			<i>For &gt;50 To 100, Deduct</i>	-5.31	
			<i>For &gt;100 To 250, Deduct</i>	-9.16	
			<i>For &gt;250 To 500, Deduct</i>	-15.42	
			<i>For &gt;500, Deduct</i>	-21.67	
26 51 19 00-0460	EA	14"	Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30).....	167.79	38.69
			<i>For &gt;50 To 100, Deduct</i>	-5.65	
			<i>For &gt;100 To 250, Deduct</i>	-9.84	
			<i>For &gt;250 To 500, Deduct</i>	-16.78	
			<i>For &gt;500, Deduct</i>	-23.72	
26 51 19 00-0461	EA	11"	Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40) .....	121.39	35.17
			<i>For &gt;50 To 100, Deduct</i>	-4.35	
			<i>For &gt;100 To 250, Deduct</i>	-7.39	
			<i>For &gt;250 To 500, Deduct</i>	-12.14	
			<i>For &gt;500, Deduct</i>	-16.89	
26 51 19 00-0462	EA	11"	Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40).....	128.20	35.17
			<i>For &gt;50 To 100, Deduct</i>	-4.52	
			<i>For &gt;100 To 250, Deduct</i>	-7.73	
			<i>For &gt;250 To 500, Deduct</i>	-12.82	
			<i>For &gt;500, Deduct</i>	-17.91	
26 51 19 00-0463	EA	11"	Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40).....	135.01	35.17
			<i>For &gt;50 To 100, Deduct</i>	-4.69	
			<i>For &gt;100 To 250, Deduct</i>	-8.07	
			<i>For &gt;250 To 500, Deduct</i>	-13.50	
			<i>For &gt;500, Deduct</i>	-18.93	
26 51 19 00-0464	EA	11"	Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40).....	141.82	35.17
			<i>For &gt;50 To 100, Deduct</i>	-4.86	
			<i>For &gt;100 To 250, Deduct</i>	-8.41	
			<i>For &gt;250 To 500, Deduct</i>	-14.18	
			<i>For &gt;500, Deduct</i>	-19.95	
26 51 19 00-0465	EA	14"	Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40) .....	133.73	38.69
			<i>For &gt;50 To 100, Deduct</i>	-4.79	
			<i>For &gt;100 To 250, Deduct</i>	-8.14	
			<i>For &gt;250 To 500, Deduct</i>	-13.37	
			<i>For &gt;500, Deduct</i>	-18.61	
26 51 19 00-0466	EA	14"	Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40).....	140.54	38.69
			<i>For &gt;50 To 100, Deduct</i>	-4.96	
			<i>For &gt;100 To 250, Deduct</i>	-8.48	
			<i>For &gt;250 To 500, Deduct</i>	-14.05	
			<i>For &gt;500, Deduct</i>	-19.63	
26 51 19 00-0467	EA	14"	Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40).....	147.35	38.69
			<i>For &gt;50 To 100, Deduct</i>	-5.13	
			<i>For &gt;100 To 250, Deduct</i>	-8.82	
			<i>For &gt;250 To 500, Deduct</i>	-14.74	
			<i>For &gt;500, Deduct</i>	-20.65	

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0468	EA	14" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40).....	154.16	38.69
			<i>For &gt;50 To 100, Deduct</i>	-5.31	
			<i>For &gt;100 To 250, Deduct</i>	-9.16	
			<i>For &gt;250 To 500, Deduct</i>	-15.42	
			<i>For &gt;500, Deduct</i>	-21.67	
26 51	19 00-0469	EA	14" Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40).....	167.79	38.69
			<i>For &gt;50 To 100, Deduct</i>	-5.65	
			<i>For &gt;100 To 250, Deduct</i>	-9.84	
			<i>For &gt;250 To 500, Deduct</i>	-16.78	
			<i>For &gt;500, Deduct</i>	-23.72	
26 51	19 00-0470	EA	11" Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50).....	121.39	35.17
			<i>For &gt;50 To 100, Deduct</i>	-4.35	
			<i>For &gt;100 To 250, Deduct</i>	-7.39	
			<i>For &gt;250 To 500, Deduct</i>	-12.14	
			<i>For &gt;500, Deduct</i>	-16.89	
26 51	19 00-0471	EA	11" Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50).....	128.20	35.17
			<i>For &gt;50 To 100, Deduct</i>	-4.52	
			<i>For &gt;100 To 250, Deduct</i>	-7.73	
			<i>For &gt;250 To 500, Deduct</i>	-12.82	
			<i>For &gt;500, Deduct</i>	-17.91	
26 51	19 00-0472	EA	11" Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50).....	135.01	35.17
			<i>For &gt;50 To 100, Deduct</i>	-4.69	
			<i>For &gt;100 To 250, Deduct</i>	-8.07	
			<i>For &gt;250 To 500, Deduct</i>	-13.50	
			<i>For &gt;500, Deduct</i>	-18.93	
26 51	19 00-0473	EA	11" Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50).....	141.82	35.17
			<i>For &gt;50 To 100, Deduct</i>	-4.86	
			<i>For &gt;100 To 250, Deduct</i>	-8.41	
			<i>For &gt;250 To 500, Deduct</i>	-14.18	
			<i>For &gt;500, Deduct</i>	-19.95	
26 51	19 00-0474	EA	14" Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40).....	133.73	38.69
			<i>For &gt;50 To 100, Deduct</i>	-4.79	
			<i>For &gt;100 To 250, Deduct</i>	-8.14	
			<i>For &gt;250 To 500, Deduct</i>	-13.37	
			<i>For &gt;500, Deduct</i>	-18.61	
26 51	19 00-0475	EA	14" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40).....	140.54	38.69
			<i>For &gt;50 To 100, Deduct</i>	-4.96	
			<i>For &gt;100 To 250, Deduct</i>	-8.48	
			<i>For &gt;250 To 500, Deduct</i>	-14.05	
			<i>For &gt;500, Deduct</i>	-19.63	
26 51	19 00-0476	EA	14" Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40).....	147.35	38.69
			<i>For &gt;50 To 100, Deduct</i>	-5.13	
			<i>For &gt;100 To 250, Deduct</i>	-8.82	
			<i>For &gt;250 To 500, Deduct</i>	-14.74	
			<i>For &gt;500, Deduct</i>	-20.65	
26 51	19 00-0477	EA	14" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40).....	154.16	38.69
			<i>For &gt;50 To 100, Deduct</i>	-5.31	
			<i>For &gt;100 To 250, Deduct</i>	-9.16	
			<i>For &gt;250 To 500, Deduct</i>	-15.42	
			<i>For &gt;500, Deduct</i>	-21.67	
26 51	19 00-0478	EA	14" Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40).....	167.79	38.69
			<i>For &gt;50 To 100, Deduct</i>	-5.65	
			<i>For &gt;100 To 250, Deduct</i>	-9.84	
			<i>For &gt;250 To 500, Deduct</i>	-16.78	
			<i>For &gt;500, Deduct</i>	-23.72	
26 51	19 00-0479	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30).....	171.76	41.76
			<i>For &gt;50 To 100, Deduct</i>	-5.88	
			<i>For &gt;100 To 250, Deduct</i>	-10.17	
			<i>For &gt;250 To 500, Deduct</i>	-17.18	
			<i>For &gt;500, Deduct</i>	-24.18	
26 51	19 00-0480	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30).....	187.24	41.76
			<i>For &gt;50 To 100, Deduct</i>	-6.26	
			<i>For &gt;100 To 250, Deduct</i>	-10.94	
			<i>For &gt;250 To 500, Deduct</i>	-18.72	
			<i>For &gt;500, Deduct</i>	-26.50	
26 51	19 00-0481	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30).....	183.47	41.76
			<i>For &gt;50 To 100, Deduct</i>	-6.17	
			<i>For &gt;100 To 250, Deduct</i>	-10.76	
			<i>For &gt;250 To 500, Deduct</i>	-18.35	
			<i>For &gt;500, Deduct</i>	-25.94	
26 51	19 00-0482	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30).....	183.40	41.76
			<i>For &gt;50 To 100, Deduct</i>	-6.17	
			<i>For &gt;100 To 250, Deduct</i>	-10.75	
			<i>For &gt;250 To 500, Deduct</i>	-18.34	
			<i>For &gt;500, Deduct</i>	-25.93	
26 51	19 00-0483	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	200.87	41.76
			<i>For &gt;50 To 100, Deduct</i>	-6.60	
			<i>For &gt;100 To 250, Deduct</i>	-11.63	
			<i>For &gt;250 To 500, Deduct</i>	-20.09	
			<i>For &gt;500, Deduct</i>	-28.55	
26 51	19 00-0484	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	195.23	41.76
			<i>For &gt;50 To 100, Deduct</i>	-6.46	
			<i>For &gt;100 To 250, Deduct</i>	-11.34	
			<i>For &gt;250 To 500, Deduct</i>	-19.52	
			<i>For &gt;500, Deduct</i>	-27.70	
26 51	19 00-0485	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	218.83	41.76
			<i>For &gt;50 To 100, Deduct</i>	-7.05	
			<i>For &gt;100 To 250, Deduct</i>	-12.52	
			<i>For &gt;250 To 500, Deduct</i>	-21.88	
			<i>For &gt;500, Deduct</i>	-31.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0486	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30)	.....	211.15	41.76
		For >50 To 100, Deduct		-6.86	
		For >100 To 250, Deduct		-12.14	
		For >250 To 500, Deduct		-21.12	
		For >500, Deduct		-30.09	
26 51 19 00-0487	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30)	.....	211.21	41.76
		For >50 To 100, Deduct		-6.86	
		For >100 To 250, Deduct		-12.14	
		For >250 To 500, Deduct		-21.12	
		For >500, Deduct		-30.10	
26 51 19 00-0488	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35)	.....	171.76	41.76
		For >50 To 100, Deduct		-5.88	
		For >100 To 250, Deduct		-10.17	
		For >250 To 500, Deduct		-17.18	
		For >500, Deduct		-24.18	
26 51 19 00-0489	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35)	.....	187.24	41.76
		For >50 To 100, Deduct		-6.26	
		For >100 To 250, Deduct		-10.94	
		For >250 To 500, Deduct		-18.72	
		For >500, Deduct		-26.50	
26 51 19 00-0490	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	.....	183.47	41.76
		For >50 To 100, Deduct		-6.17	
		For >100 To 250, Deduct		-10.76	
		For >250 To 500, Deduct		-18.35	
		For >500, Deduct		-25.94	
26 51 19 00-0491	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35)	.....	183.40	41.76
		For >50 To 100, Deduct		-6.17	
		For >100 To 250, Deduct		-10.75	
		For >250 To 500, Deduct		-18.34	
		For >500, Deduct		-25.93	
26 51 19 00-0492	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	.....	200.87	41.76
		For >50 To 100, Deduct		-6.60	
		For >100 To 250, Deduct		-11.63	
		For >250 To 500, Deduct		-20.09	
		For >500, Deduct		-28.55	
26 51 19 00-0493	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	.....	195.23	41.76
		For >50 To 100, Deduct		-6.46	
		For >100 To 250, Deduct		-11.34	
		For >250 To 500, Deduct		-19.52	
		For >500, Deduct		-27.70	
26 51 19 00-0494	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	.....	218.83	41.76
		For >50 To 100, Deduct		-7.05	
		For >100 To 250, Deduct		-12.52	
		For >250 To 500, Deduct		-21.88	
		For >500, Deduct		-31.24	
26 51 19 00-0495	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35)	.....	211.15	41.76
		For >50 To 100, Deduct		-6.86	
		For >100 To 250, Deduct		-12.14	
		For >250 To 500, Deduct		-21.12	
		For >500, Deduct		-30.09	
26 51 19 00-0496	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35)	.....	211.21	41.76
		For >50 To 100, Deduct		-6.86	
		For >100 To 250, Deduct		-12.14	
		For >250 To 500, Deduct		-21.12	
		For >500, Deduct		-30.10	
26 51 19 00-0497	EA	19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40)	.....	171.76	41.76
		For >50 To 100, Deduct		-5.88	
		For >100 To 250, Deduct		-10.17	
		For >250 To 500, Deduct		-17.18	
		For >500, Deduct		-24.18	
26 51 19 00-0498	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	.....	187.24	41.76
		For >50 To 100, Deduct		-6.26	
		For >100 To 250, Deduct		-10.94	
		For >250 To 500, Deduct		-18.72	
		For >500, Deduct		-26.50	
26 51 19 00-0499	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	.....	183.47	41.76
		For >50 To 100, Deduct		-6.17	
		For >100 To 250, Deduct		-10.76	
		For >250 To 500, Deduct		-18.35	
		For >500, Deduct		-25.94	
26 51 19 00-0500	EA	19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40)	.....	183.40	41.76
		For >50 To 100, Deduct		-6.17	
		For >100 To 250, Deduct		-10.75	
		For >250 To 500, Deduct		-18.34	
		For >500, Deduct		-25.93	
26 51 19 00-0501	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	.....	200.87	41.76
		For >50 To 100, Deduct		-6.60	
		For >100 To 250, Deduct		-11.63	
		For >250 To 500, Deduct		-20.09	
		For >500, Deduct		-28.55	
26 51 19 00-0502	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	.....	195.23	41.76
		For >50 To 100, Deduct		-6.46	
		For >100 To 250, Deduct		-11.34	
		For >250 To 500, Deduct		-19.52	
		For >500, Deduct		-27.70	
26 51 19 00-0503	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	.....	218.83	41.76
		For >50 To 100, Deduct		-7.05	
		For >100 To 250, Deduct		-12.52	
		For >250 To 500, Deduct		-21.88	
		For >500, Deduct		-31.24	

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0504	EA		19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40).....	211.15	41.76
			<i>For &gt;50 To 100, Deduct</i>	-6.86	
			<i>For &gt;100 To 250, Deduct</i>	-12.14	
			<i>For &gt;250 To 500, Deduct</i>	-21.12	
			<i>For &gt;500, Deduct</i>	-30.09	
26 51 19 00-0505	EA		19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40).....	211.21	41.76
			<i>For &gt;50 To 100, Deduct</i>	-6.86	
			<i>For &gt;100 To 250, Deduct</i>	-12.14	
			<i>For &gt;250 To 500, Deduct</i>	-21.12	
			<i>For &gt;500, Deduct</i>	-30.10	
26 51 19 00-0506	EA		19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50).....	171.76	41.76
			<i>For &gt;50 To 100, Deduct</i>	-5.88	
			<i>For &gt;100 To 250, Deduct</i>	-10.17	
			<i>For &gt;250 To 500, Deduct</i>	-17.18	
			<i>For &gt;500, Deduct</i>	-24.18	
26 51 19 00-0507	EA		19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	187.24	41.76
			<i>For &gt;50 To 100, Deduct</i>	-6.26	
			<i>For &gt;100 To 250, Deduct</i>	-10.94	
			<i>For &gt;250 To 500, Deduct</i>	-18.72	
			<i>For &gt;500, Deduct</i>	-26.50	
26 51 19 00-0508	EA		19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50).....	183.47	41.76
			<i>For &gt;50 To 100, Deduct</i>	-6.17	
			<i>For &gt;100 To 250, Deduct</i>	-10.76	
			<i>For &gt;250 To 500, Deduct</i>	-18.35	
			<i>For &gt;500, Deduct</i>	-25.94	
26 51 19 00-0509	EA		19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50).....	183.40	41.76
			<i>For &gt;50 To 100, Deduct</i>	-6.17	
			<i>For &gt;100 To 250, Deduct</i>	-10.75	
			<i>For &gt;250 To 500, Deduct</i>	-18.34	
			<i>For &gt;500, Deduct</i>	-25.93	
26 51 19 00-0510	EA		19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	200.87	41.76
			<i>For &gt;50 To 100, Deduct</i>	-6.60	
			<i>For &gt;100 To 250, Deduct</i>	-11.63	
			<i>For &gt;250 To 500, Deduct</i>	-20.09	
			<i>For &gt;500, Deduct</i>	-28.55	
26 51 19 00-0511	EA		19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	195.23	41.76
			<i>For &gt;50 To 100, Deduct</i>	-6.46	
			<i>For &gt;100 To 250, Deduct</i>	-11.34	
			<i>For &gt;250 To 500, Deduct</i>	-19.52	
			<i>For &gt;500, Deduct</i>	-27.70	
26 51 19 00-0512	EA		19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	218.83	41.76
			<i>For &gt;50 To 100, Deduct</i>	-7.05	
			<i>For &gt;100 To 250, Deduct</i>	-12.52	
			<i>For &gt;250 To 500, Deduct</i>	-21.88	
			<i>For &gt;500, Deduct</i>	-31.24	
26 51 19 00-0513	EA		19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50).....	211.15	41.76
			<i>For &gt;50 To 100, Deduct</i>	-6.86	
			<i>For &gt;100 To 250, Deduct</i>	-12.14	
			<i>For &gt;250 To 500, Deduct</i>	-21.12	
			<i>For &gt;500, Deduct</i>	-30.09	
26 51 19 00-0514	EA		19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50).....	211.21	41.76
			<i>For &gt;50 To 100, Deduct</i>	-6.86	
			<i>For &gt;100 To 250, Deduct</i>	-12.14	
			<i>For &gt;250 To 500, Deduct</i>	-21.12	
			<i>For &gt;500, Deduct</i>	-30.10	
<b>26 51 19 00-0515</b>			<b>Ceiling Mounted, LED Mushroom Fixtures (Mobern)</b> <small>(26 51 19 00-0441)</small>		
26 51 19 00-0516	EA		14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30).....	138.12	38.69
			<i>For &gt;50 To 100, Deduct</i>	-4.90	
			<i>For &gt;100 To 250, Deduct</i>	-8.36	
			<i>For &gt;250 To 500, Deduct</i>	-13.81	
			<i>For &gt;500, Deduct</i>	-19.27	
<b>26 51 19 00-0517</b>			<b>Ceiling Mounted, LED Fixtures (Sylvania)</b> <small>(26 51 19 00-0441)</small>		
26 51 19 00-0518	EA		12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D).....	494.97	41.76
			<i>For &gt;50 To 100, Deduct</i>	-13.96	
			<i>For &gt;100 To 250, Deduct</i>	-26.33	
			<i>For &gt;250 To 500, Deduct</i>	-49.50	
			<i>For &gt;500, Deduct</i>	-72.66	
26 51 19 00-0519	EA		2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMKIT1A/24A/WH).....	194.03	35.17
			<i>For &gt;50 To 100, Deduct</i>	-6.17	
			<i>For &gt;100 To 250, Deduct</i>	-11.02	
			<i>For &gt;250 To 500, Deduct</i>	-19.40	
			<i>For &gt;500, Deduct</i>	-27.79	
26 51 19 00-0520	EA		2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/22G/WH + SMKIT1A/24A/WH).....	241.03	40.98
			<i>For &gt;50 To 100, Deduct</i>	-7.56	
			<i>For &gt;100 To 250, Deduct</i>	-13.59	
			<i>For &gt;250 To 500, Deduct</i>	-24.10	
			<i>For &gt;500, Deduct</i>	-34.62	
26 51 19 00-0521	EA		2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMKIT1A/24A/WH).....	243.77	40.98
			<i>For &gt;50 To 100, Deduct</i>	-7.63	
			<i>For &gt;100 To 250, Deduct</i>	-13.73	
			<i>For &gt;250 To 500, Deduct</i>	-24.38	
			<i>For &gt;500, Deduct</i>	-35.03	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 19 00-0522	Refrigeration/Display LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0523	Refrigeration/Display LED Fixtures (Lithonia) <small>(26 51 19 00-0522)</small>		
	Note: Fixtures exclude driver.		
26 51 19 00-0524	EA 5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM) .....	245.24	40.98
	For >50 To 100, Deduct	-7.67	
	For >100 To 250, Deduct	-13.80	
	For >250 To 500, Deduct	-24.52	
	For >500, Deduct	-35.25	
26 51 19 00-0525	EA 5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRV L RLEM DLC) .....	317.79	72.54
	For >50 To 100, Deduct	-10.69	
	For >100 To 250, Deduct	-18.64	
	For >250 To 500, Deduct	-31.78	
	For >500, Deduct	-44.92	
26 51 19 00-0526	EA Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRV L) .....	298.30	58.04
	For >50 To 100, Deduct	-9.66	
	For >100 To 250, Deduct	-17.11	
	For >250 To 500, Deduct	-29.83	
	For >500, Deduct	-42.55	
26 51 19 00-0527	Pendant Mount, LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0528	Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting) <small>(26 51 19 00- 0527)</small>		
26 51 19 00-0529	EA 2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S) .....	1,813.12	89.69
	For >50 To 100, Deduct	-49.07	
	For >100 To 250, Deduct	-94.39	
	For >250 To 500, Deduct	-181.31	
	For >500, Deduct	-268.23	
26 51 19 00-0530	EA 3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S) .....	2,731.46	94.96
	For >50 To 100, Deduct	-72.24	
	For >100 To 250, Deduct	-140.53	
	For >250 To 500, Deduct	-273.15	
	For >500, Deduct	-405.76	
26 51 19 00-0531	EA 4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S) .....	3,484.79	100.24
	For >50 To 100, Deduct	-91.30	
	For >100 To 250, Deduct	-178.42	
	For >250 To 500, Deduct	-348.48	
	For >500, Deduct	-518.54	
26 51 19 00-0532	EA 5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S) .....	4,403.13	105.52
	For >50 To 100, Deduct	-114.47	
	For >100 To 250, Deduct	-224.55	
	For >250 To 500, Deduct	-440.31	
	For >500, Deduct	-656.07	
26 51 19 00-0533	EA 2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S) .....	1,922.22	89.69
	For >50 To 100, Deduct	-51.79	
	For >100 To 250, Deduct	-99.85	
	For >250 To 500, Deduct	-192.22	
	For >500, Deduct	-284.60	
26 51 19 00-0534	EA 3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S) .....	2,876.00	94.96
	For >50 To 100, Deduct	-75.86	
	For >100 To 250, Deduct	-147.76	
	For >250 To 500, Deduct	-287.60	
	For >500, Deduct	-427.44	
26 51 19 00-0535	EA 4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S) .....	3,630.70	100.24
	For >50 To 100, Deduct	-94.94	
	For >100 To 250, Deduct	-185.71	
	For >250 To 500, Deduct	-363.07	
	For >500, Deduct	-540.43	
26 51 19 00-0536	EA 5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S) .....	4,566.76	105.52
	For >50 To 100, Deduct	-118.57	
	For >100 To 250, Deduct	-232.73	
	For >250 To 500, Deduct	-456.68	
	For >500, Deduct	-680.62	
26 51 19 00-0537	Pendant Mount, LED Commercial Fixtures (DMF) <small>(26 51 19 00-0527)</small>		
26 51 19 00-0538	EA 3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED) .....	705.66	52.76
	For >50 To 100, Deduct	-19.84	
	For >100 To 250, Deduct	-37.48	
	For >250 To 500, Deduct	-70.57	
	For >500, Deduct	-103.65	
26 51 19 00-0539	LED Track Lighting Fixtures <small>(26 51 19)</small>		

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0540	EA	19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™) .....	180.85	16.07
			<i>For &gt;50 To 100, Deduct</i>	-5.12	
			<i>For &gt;100 To 250, Deduct</i>	-9.64	
			<i>For &gt;250 To 500, Deduct</i>	-18.09	
			<i>For &gt;500, Deduct</i>	-26.53	
26 51	19 00-0541	EA	18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED) .....	317.38	16.07
			<i>For &gt;50 To 100, Deduct</i>	-8.54	
			<i>For &gt;100 To 250, Deduct</i>	-16.47	
			<i>For &gt;250 To 500, Deduct</i>	-31.74	
			<i>For &gt;500, Deduct</i>	-47.01	
26 51	19 00-0542	EA	24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33).....	186.03	16.07
			<i>For &gt;50 To 100, Deduct</i>	-5.25	
			<i>For &gt;100 To 250, Deduct</i>	-9.90	
			<i>For &gt;250 To 500, Deduct</i>	-18.60	
			<i>For &gt;500, Deduct</i>	-27.30	

**26 51 23 HID Interior Lighting (26 51)**

26 51 23 00-0001 Large Interior Area Fixtures (26 51 23)

26 51 23 00-0002 Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0001)  
 Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.

26 51 23 00-0003 High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0002)

26 51 23 00-0004	EA	150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture.....	373.49	102.62
		<i>For Instant Quartz Restrike, Add</i>	60.00	
		<i>For Wire Guard, Add</i>	40.50	
26 51 23 00-0005	EA	250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture.....	389.07	108.96
		<i>For Instant Quartz Restrike, Add</i>	60.00	
		<i>For Wire Guard, Add</i>	40.50	
26 51 23 00-0006	EA	400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture.....	407.62	124.37
		<i>For Instant Quartz Restrike, Add</i>	60.00	
		<i>For Wire Guard, Add</i>	40.50	

26 51 23 00-0007 Metal Halide, Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0002)

26 51 23 00-0008	EA	150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture .....	379.28	102.62
		<i>For Instant Quartz Restrike, Add</i>	60.00	
		<i>For Wire Guard, Add</i>	40.50	
26 51 23 00-0009	EA	250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture .....	391.65	108.96
		<i>For Instant Quartz Restrike, Add</i>	60.00	
		<i>For Wire Guard, Add</i>	40.50	
26 51 23 00-0010	EA	400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture .....	415.95	124.37
		<i>For Instant Quartz Restrike, Add</i>	60.00	
		<i>For Wire Guard, Add</i>	40.50	

26 51 23 00-0011 Low Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001)

Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.

26 51 23 00-0012 High Pressure Sodium, Low Bay Fixtures (26 51 23 00-0011)

26 51 23 00-0013	EA	150 Watt High Pressure Sodium, Low Bay Fixture .....	352.82	93.74
		<i>For Instant Quartz Restrike, Add</i>	60.00	
		<i>For Enclosed And Gasketed, Add</i>	75.47	
		<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
		<i>For Wire Guard, Add</i>	40.50	
26 51 23 00-0014	EA	250 Watt High Pressure Sodium, Low Bay Fixture .....	362.88	99.54
		<i>For Instant Quartz Restrike, Add</i>	60.00	
		<i>For Enclosed And Gasketed, Add</i>	75.47	
		<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
		<i>For Wire Guard, Add</i>	40.50	
26 51 23 00-0015	EA	400 Watt High Pressure Sodium, Low Bay Fixture .....	385.46	113.60
		<i>For Instant Quartz Restrike, Add</i>	60.00	
		<i>For Enclosed And Gasketed, Add</i>	75.47	
		<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
		<i>For Wire Guard, Add</i>	40.50	

26 51 23 00-0016 Metal Halide, Low Bay Fixtures (26 51 23 00-0011)

26 51 23 00-0017	EA	175 Watt Metal Halide, Low Bay Fixture .....	347.33	93.74
		<i>For Instant Quartz Restrike, Add</i>	60.00	
		<i>For Enclosed And Gasketed, Add</i>	75.47	
		<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
		<i>For Wire Guard, Add</i>	40.50	
26 51 23 00-0018	EA	250 Watt Metal Halide, Low Bay Fixture .....	356.85	99.54
		<i>For Instant Quartz Restrike, Add</i>	60.00	
		<i>For Enclosed And Gasketed, Add</i>	75.47	
		<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
		<i>For Wire Guard, Add</i>	40.50	
26 51 23 00-0019	EA	400 Watt Metal Halide, Low Bay Fixture .....	386.75	113.60
		<i>For Instant Quartz Restrike, Add</i>	60.00	
		<i>For Enclosed And Gasketed, Add</i>	75.47	
		<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
		<i>For Wire Guard, Add</i>	40.50	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 23 00-0020	<b>High Bay Fixtures, Large Interior Area Fixtures</b> <small>(26 51 23 00-0001)</small> Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
26 51 23 00-0021	<b>High Pressure Sodium, High Bay Fixtures</b> <small>(26 51 23 00-0020)</small> Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0022	EA 250 Watt High Pressure Sodium, High Bay Fixture ..... 325.99 <i>For Instant Quartz Restrike, Add</i> 60.00 <i>For Ballast Safety Chain, Add</i> 12.13 <i>For Security Chain, Add</i> 19.34 <i>For Tempered Glass Or Acrylic Lens, Add</i> 60.50 <i>For Glass Or Acrylic Reflector, Add</i> 90.00 <i>For Wire Guard, Add</i> 40.50 <i>For Polycarbonate Lens, Add</i> 47.75 <i>For Optical Safety Chain, Add</i> 7.47	99.54	
26 51 23 00-0023	EA 400 Watt High Pressure Sodium, High Bay Fixture ..... 352.46 <i>For Instant Quartz Restrike, Add</i> 60.00 <i>For Ballast Safety Chain, Add</i> 12.13 <i>For Security Chain, Add</i> 19.34 <i>For Tempered Glass Or Acrylic Lens, Add</i> 60.50 <i>For Glass Or Acrylic Reflector, Add</i> 90.00 <i>For Wire Guard, Add</i> 40.50 <i>For Polycarbonate Lens, Add</i> 47.75 <i>For Optical Safety Chain, Add</i> 7.47	113.60	
26 51 23 00-0024	EA 1,000 Watt High Pressure Sodium, High Bay Fixture ..... 509.32 <i>For Instant Quartz Restrike, Add</i> 60.00 <i>For Ballast Safety Chain, Add</i> 12.13 <i>For Security Chain, Add</i> 19.34 <i>For Tempered Glass Or Acrylic Lens, Add</i> 60.50 <i>For Glass Or Acrylic Reflector, Add</i> 90.00 <i>For Wire Guard, Add</i> 40.50 <i>For Polycarbonate Lens, Add</i> 47.75 <i>For Optical Safety Chain, Add</i> 7.47	119.50	
26 51 23 00-0025	<b>Metal Halide, High Bay Fixtures</b> <small>(26 51 23 00-0020)</small> Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0026	EA 250 Watt Metal Halide, High Bay Fixture ..... 302.64 <i>For Instant Quartz Restrike, Add</i> 60.00 <i>For Ballast Safety Chain, Add</i> 12.13 <i>For Security Chain, Add</i> 19.34 <i>For Tempered Glass Or Acrylic Lens, Add</i> 60.50 <i>For Glass Or Acrylic Reflector, Add</i> 90.00 <i>For Wire Guard, Add</i> 40.50 <i>For Polycarbonate Lens, Add</i> 47.75 <i>For Optical Safety Chain, Add</i> 7.47	99.54	
26 51 23 00-0027	EA 400 Watt Metal Halide, High Bay Fixture ..... 332.39 <i>For Instant Quartz Restrike, Add</i> 60.00 <i>For Ballast Safety Chain, Add</i> 12.13 <i>For Security Chain, Add</i> 19.34 <i>For Tempered Glass Or Acrylic Lens, Add</i> 60.50 <i>For Glass Or Acrylic Reflector, Add</i> 90.00 <i>For Wire Guard, Add</i> 40.50 <i>For Polycarbonate Lens, Add</i> 47.75 <i>For Optical Safety Chain, Add</i> 7.47	113.60	
26 51 23 00-0028	EA 1,000 Watt Metal Halide, High Bay Fixture ..... 432.23 <i>For Instant Quartz Restrike, Add</i> 60.00 <i>For Ballast Safety Chain, Add</i> 12.13 <i>For Security Chain, Add</i> 19.34 <i>For Tempered Glass Or Acrylic Lens, Add</i> 60.50 <i>For Glass Or Acrylic Reflector, Add</i> 90.00 <i>For Wire Guard, Add</i> 40.50 <i>For Polycarbonate Lens, Add</i> 47.75 <i>For Optical Safety Chain, Add</i> 7.47	119.50	
26 51 23 00-0029	<b>Induction, High Bay Fixtures</b> <small>(26 51 23 00-0020)</small>		
26 51 23 00-0030	<b>Induction, High Bay Fixtures (Everlast®)</b> <small>(26 51 23 00-0029)</small> Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51 23 00-0031	EA 100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)..... 419.83 <i>For Impact Resistant Silicon Lens, Add</i> 20.00	87.05	
26 51 23 00-0032	EA 120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)..... 451.22 <i>For Impact Resistant Silicon Lens, Add</i> 20.00	89.96	
26 51 23 00-0033	EA 150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)..... 459.34 <i>For Impact Resistant Silicon Lens, Add</i> 20.00	92.86	
26 51 23 00-0034	EA 200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)..... 501.89 <i>For Impact Resistant Silicon Lens, Add</i> 20.00	95.76	
26 51 23 00-0035	EA 250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)..... 514.68 <i>For Impact Resistant Silicon Lens, Add</i> 20.00	98.66	
26 51 23 00-0036	EA 100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)..... 452.41 <i>For Impact Resistant Silicon Lens, Add</i> 20.00	87.05	
26 51 23 00-0037	EA 120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)..... 483.80 <i>For Impact Resistant Silicon Lens, Add</i> 20.00	89.96	
26 51 23 00-0038	EA 150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)..... 491.92 <i>For Impact Resistant Silicon Lens, Add</i> 20.00	92.86	
26 51 23 00-0039	EA 200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)..... 534.47 <i>For Impact Resistant Silicon Lens, Add</i> 20.00	95.76	
26 51 23 00-0040	EA 250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)..... 547.26 <i>For Impact Resistant Silicon Lens, Add</i> 20.00	98.66	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 23 00-0041 Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0001)  
 Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.

26 51 23 00-0042 High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0041)

26 51 23 00-0043	EA		100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	273.64	66.71
			For Instant Quartz Restrike, Add	60.00	
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
26 51 23 00-0044	EA		150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	477.73	66.71
			For Instant Quartz Restrike, Add	60.00	
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
26 51 23 00-0045	EA		250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	548.28	66.71
			For Instant Quartz Restrike, Add	60.00	
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
26 51 23 00-0046	EA		400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	731.59	66.71
			For Instant Quartz Restrike, Add	60.00	
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	

26 51 23 00-0047 Metal Halide, Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0041)

26 51 23 00-0048	EA		100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	286.86	66.71
			For Instant Quartz Restrike, Add	60.00	
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
26 51 23 00-0049	EA		175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	304.13	74.03
			For Instant Quartz Restrike, Add	60.00	
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
26 51 23 00-0050	EA		250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	323.86	80.18
			For Instant Quartz Restrike, Add	60.00	
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
26 51 23 00-0051	EA		400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	357.59	95.50
			For Instant Quartz Restrike, Add	60.00	
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	

26 51 23 00-0052 High Pressure Sodium, Recessed Fixture Housings (26 51 23)

26 51 23 00-0053	EA		4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	129.89	27.73
			For ICAT Housing, Add	11.42	
26 51 23 00-0054	EA		5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	135.80	27.73
			For ICAT Housing, Add	12.18	
26 51 23 00-0055	EA		6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	142.64	28.88
			For ICAT Housing, Add	12.81	
26 51 23 00-0056	EA		7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	147.79	30.13
			For ICAT Housing, Add	13.23	
26 51 23 00-0057	EA		8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	152.88	31.38
			For ICAT Housing, Add	13.64	
26 51 23 00-0058	EA		10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	157.34	33.30
			For ICAT Housing, Add	13.84	

26 51 23 00-0059 Metal Halide Track Lighting Fixtures (26 51 23)

26 51 23 00-0060	EA		Metal Halide Track Lighting Fixture .....	84.64	16.07
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26 51 23 00-0061 Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 23)

26 51 23 00-0062	EA		75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	167.81	38.51
			For Wall Mounted, Add	6.30	
26 51 23 00-0063	EA		100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	173.44	38.51
			For Wall Mounted, Add	6.30	
26 51 23 00-0064	EA		150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	184.87	38.51
			For Wall Mounted, Add	6.30	
26 51 23 00-0065	EA		175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	202.06	38.51
			For Wall Mounted, Add	6.30	

26 51 23 00-0066 High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 23)

26 51 23 00-0067	EA		70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	154.41	38.51
			For Wall Mounted, Add	6.67	
26 51 23 00-0068	EA		100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	161.40	38.51
			For Wall Mounted, Add	6.67	
26 51 23 00-0069	EA		150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	188.43	38.51
			For Wall Mounted, Add	6.67	

**26 51 33 Interior Lighting Accessories (26 51)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 33 00-0001			<b>Accessories And Modifiers For Fixtures</b> (26 51 33)		
26 51 33 00-0002			<b>Lens Modifications</b> (26 51 33 00-0001)		
26 51 33 00-0003	EA		For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	25.98	
26 51 33 00-0004	EA		For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	32.09	
26 51 33 00-0005	EA		For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	33.62	
26 51 33 00-0006	EA		For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	36.67	
26 51 33 00-0007	EA		For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	44.31	
26 51 33 00-0008	EA		For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	10.70	
26 51 33 00-0009	EA		For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	15.28	
26 51 33 00-0010	EA		For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	16.81	
26 51 33 00-0011	EA		For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	19.86	

26 51 33 00-0012			<b>Pendant Mounting Modifications</b> (26 51 33 00-0001)		
Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.					
26 51 33 00-0013	EA		For Pendant Mounting Up to 1'-6" Long Section..... Note: Per pendant.	11.61	
26 51 33 00-0014	EA		For Pendant Mounting 2' Long Section..... Note: Per pendant.	13.45	
26 51 33 00-0015	EA		For Pendant Mounting 3' Long Section..... Note: Per pendant.	17.21	
26 51 33 00-0016	EA		For Pendant Mounting 4' Long Section..... Note: Per pendant.	20.32	
26 51 33 00-0017	EA		For Pendant Mounting 6' Long Section..... Note: Per pendant.	25.67	
26 51 33 00-0018	EA		For Pendant Mounting 8' Long Section..... Note: Per pendant.	34.84	

26 51 33 00-0019			<b>Fluorescent Light Accessories</b> (26 51 33 00-0001)		
26 51 33 00-0020	EA		Blank Metal Light Box Plate.....	24.28	
26 51 33 00-0021	EA		Factory Installed Fixture Mounted Occupancy Sensor.....	117.64	

26 51 33 00-0022			<b>Wire Guards</b> (26 51 33 00-0001)		
26 51 33 00-0023	EA		Wire Guard for 6" x 2' Fixture.....	50.50	4.82
26 51 33 00-0024	EA		Wire Guard for 6" x 4' Fixture.....	70.98	7.72
26 51 33 00-0025	EA		Wire Guard for 1" x 2' Fixture.....	56.36	5.31
26 51 33 00-0026	EA		Wire Guard for 1" x 4' Fixture.....	80.12	8.20
26 51 33 00-0027	EA		Wire Guard for 2" x 2' Fixture.....	68.77	5.79
26 51 33 00-0028	EA		Wire Guard for 2" x 4' Fixture.....	94.15	8.68

26 51 33 00-0029 **Lighting Accessories** (26 51 33)

26 51 33 00-0030			<b>Modular Flexible Wiring Systems</b> (26 51 33 00-0029)		
26 51 33 00-0031	EA		10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10).....	73.33	5.19
26 51 33 00-0032	EA		15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15).....	85.99	5.19
26 51 33 00-0033	EA		20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20).....	103.76	5.19
26 51 33 00-0034	EA		15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15).....	85.99	5.19
26 51 33 00-0035	EA		3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E).....	73.32	5.19
26 51 33 00-0036	EA		13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13).....	109.09	5.19
26 51 33 00-0037	EA		3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M).....	59.85	5.19
26 51 33 00-0038	EA		3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E).....	67.76	5.19
26 51 33 00-0039	EA		7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07).....	87.31	5.19
26 51 33 00-0040	EA		7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07).....	87.31	5.19
26 51 33 00-0041	EA		7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07).....	88.80	5.19
26 51 33 00-0042	EA		7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07).....	88.25	5.19
26 51 33 00-0043	EA		7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07).....	88.25	5.19
26 51 33 00-0044	EA		15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15).....	101.56	5.19
26 51 33 00-0045	EA		3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D).....	46.16	5.19
26 51 33 00-0046	EA		3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E).....	43.05	5.19
26 51 33 00-0047	EA		3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E).....	44.14	5.19
26 51 33 00-0048	EA		3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E).....	55.66	5.19
26 51 33 00-0049	EA		15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15).....	73.33	5.19
26 51 33 00-0050	EA		15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15).....	75.20	5.19
26 51 33 00-0051	EA		Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E).....	58.52	5.19
26 51 33 00-0052	EA		3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E).....	43.05	5.19
26 51 33 00-0053	EA		Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning.....	43.31	

26 51 33 00-0054			<b>Additional Lighting Wire Whips</b> (26 51 33)		
26 51 33 00-0055	LF		For Each Additional LF Of Interior Lighting Wire Whip, Add..... Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.	1.27	

26 51 33 00-0056			<b>Removal And Reinstallation Of Light Fixtures</b> (26 51 33)		
Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.					
26 51 33 00-0057	EA		Removal And Reinstallation Of Lay-In Fluorescent Light Fixture.....	102.44	
26 51 33 00-0058	EA		Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture.....	117.07	

**26 Electrical****26 50 Lighting****26 52 Safety Lighting**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST26 52 Safety Lighting <sup>(26 50)</sup>**26 52 13 Emergency and Exit Lighting** <sup>(26 52)</sup>**26 52 13 13 Emergency Lighting** <sup>(26 52 13)</sup>26 52 13 13-0001 Commercial Emergency Lights <sup>(26 52 13 13)</sup>26 52 13 13-0002 Polycarbonate Housing, Commercial Emergency Lights <sup>(26 52 13 13-0001)</sup>

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED).....	176.28	24.07
26 52 13 13-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2).....	122.42	24.07
		<i>For Self-Diagnostics, Add</i>	87.50	
		<i>For Halogen Lamps, Add</i>	27.55	
26 52 13 13-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618).....	192.91	24.07
		<i>For Self-Diagnostics, Add</i>	87.50	
		<i>For Halogen Lamps, Add</i>	27.55	
26 52 13 13-0006	EA	27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627).....	224.82	24.07
		<i>For Self-Diagnostics, Add</i>	87.50	
		<i>For Halogen Lamps, Add</i>	27.55	
26 52 13 13-0007	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654).....	334.48	24.07
		<i>For Self-Diagnostics, Add</i>	87.50	
		<i>For Halogen Lamps, Add</i>	27.55	
26 52 13 13-0008	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254).....	379.00	24.07
		<i>For Self-Diagnostics, Add</i>	87.50	
		<i>For Halogen Lamps, Add</i>	27.55	
26 52 13 13-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272).....	552.43	24.07
		<i>For Self-Diagnostics, Add</i>	87.50	
		<i>For Halogen Lamps, Add</i>	27.55	

26 52 13 13-0010 Remote Heads For Commercial Emergency Lights <sup>(26 52 13 13-0001)</sup>

Note: For use with fixtures that have remote capability.

26 52 13 13-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606).....	119.17	14.44
26 52 13 13-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606).....	119.97	14.44
26 52 13 13-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806).....	122.67	14.44
26 52 13 13-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212).....	122.23	14.44
26 52 13 13-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212).....	105.70	14.44
26 52 13 13-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	72.87	14.44

26 52 13 13-0017 Industrial Emergency Lights <sup>(26 52 13 13)</sup>26 52 13 13-0018 Painted Steel Housing, Industrial Emergency Lights <sup>(26 52 13 13-0017)</sup>26 52 13 13-0019 Painted Steel Housing, Industrial Emergency Lights <sup>(26 52 13 13-0018)</sup>

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0020	EA	16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16).....	310.26	24.07
		<i>For Wireguard, Add</i>	157.72	
26 52 13 13-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24).....	260.46	24.07
		<i>For Wireguard, Add</i>	157.72	
26 52 13 13-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36).....	406.01	24.07
		<i>For Wireguard, Add</i>	157.72	
26 52 13 13-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50).....	431.13	24.07
		<i>For Wireguard, Add</i>	157.72	
26 52 13 13-0024	EA	125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	615.35	24.07
		<i>For Wireguard, Add</i>	167.98	
26 52 13 13-0025	EA	275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	967.78	24.07
		<i>For Wireguard, Add</i>	167.98	

26 52 13 13-0026 Remote Heads For Painted Steel Housing, Industrial Emergency Lights <sup>(26 52 13 13-0018)</sup>

Note: For use with fixtures that have remote capability.

26 52 13 13-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	91.79	14.44
		<i>For Wireguard, Add</i>	127.28	
26 52 13 13-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	94.92	14.44
		<i>For Wireguard, Add</i>	127.28	
26 52 13 13-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812).....	92.23	14.44
		<i>For Wireguard, Add</i>	127.28	

<b>Electrical</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>
<b>Safety Lighting</b>	<b>26 52</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0030	EA		12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	92.74	14.44
			<i>For Wireguard, Add</i>	127.28	
26 52 13 13-0031	EA		12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	94.92	14.44
			<i>For Wireguard, Add</i>	127.28	
26 52 13 13-0032	EA		12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	110.80	14.44
			<i>For Wireguard, Add</i>	127.28	
<b>26 52 13 13-0033</b>			<b>Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0017)</small>		
<b>26 52 13 13-0034</b>			<b>Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0033)</small>		
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0035	EA		18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618) .....	306.26	24.07
			<i>For Wireguard, Add</i>	153.35	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0036	EA		36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	332.83	24.07
			<i>For Wireguard, Add</i>	153.35	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0037	EA		54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	325.55	24.07
			<i>For Wireguard, Add</i>	153.35	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0038	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	344.12	24.07
			<i>For Wireguard, Add</i>	153.35	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0039	EA		100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	579.31	24.07
			<i>For Wireguard, Add</i>	153.35	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0040	EA		18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618) .....	455.16	24.07
			<i>For Wireguard, Add</i>	153.35	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 13 13-0041	EA		36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	509.77	24.07
			<i>For Wireguard, Add</i>	153.35	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 13 13-0042	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	537.44	24.07
			<i>For Wireguard, Add</i>	153.35	
			<i>For Self-Diagnostics, Add</i>	61.50	
<b>26 52 13 13-0043</b>			<b>Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0033)</small>		
			Note: For use with fixtures that have remote capability.		
26 52 13 13-0044	EA		9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906) .....	79.78	14.44
26 52 13 13-0045	EA		12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206) .....	86.11	14.44
26 52 13 13-0046	EA		9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912) .....	79.85	14.44
26 52 13 13-0047	EA		12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212) .....	84.51	14.44
26 52 13 13-0048	EA		12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012) .....	72.54	14.44
<b>26 52 13 13-0049</b>			<b>Outdoor Emergency Lights</b> <small>(26 52 13 13)</small>		
<b>26 52 13 13-0050</b>			<b>Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights</b> <small>(26 52 13 13-0049)</small>		
			Note: Includes nickel-cadmium batteries.		
26 52 13 13-0051	EA		10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	481.74	24.07
26 52 13 13-0052	EA		10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	574.58	24.07
<b>26 52 13 13-0053</b>			<b>Recessed Emergency Lights</b> <small>(26 52 13 13)</small>		
26 52 13 13-0054	EA		10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG) .....	524.69	24.07
			<i>For Wire Guard, Add</i>	60.00	
26 52 13 13-0055	EA		16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	416.81	48.13
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			<i>For Wireguard, Add</i>	167.98	
26 52 13 13-0056	EA		50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	596.74	48.13
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			<i>For Wireguard, Add</i>	167.98	

**26 Electrical****26 50 Lighting****26 52 Safety Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0057			<b>Square Wraparound Emergency Lights</b> <small>(26 52 13 13)</small>		
26 52 13 13-0058	EA		10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ).....	240.90	24.07
<b>26 52 13 16</b>			<b>Exit Signs</b> <small>(26 52 13)</small>		
			Note: Excludes pendants.		
26 52 13 16-0001			<b>LED Exit Signs</b> <small>(26 52 13 16)</small>		
			Note: Includes red LED lamps.		
26 52 13 16-0002	EA		Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM).....	144.10	35.19
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For &gt;50 To 100, Deduct</i>	-5.36	
			<i>For &gt;100 To 250, Deduct</i>	-8.96	
			<i>For &gt;250 To 500, Deduct</i>	-14.41	
			<i>For &gt;500, Deduct</i>	-19.86	
26 52 13 16-0003	EA		Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM).....	144.10	35.19
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For &gt;50 To 100, Deduct</i>	-5.36	
			<i>For &gt;100 To 250, Deduct</i>	-8.96	
			<i>For &gt;250 To 500, Deduct</i>	-14.41	
			<i>For &gt;500, Deduct</i>	-19.86	
26 52 13 16-0004	EA		Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN).....	199.25	35.19
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For Self-Diagnostics, Add</i>	50.00	
			<i>For &gt;50 To 100, Deduct</i>	-6.74	
			<i>For &gt;100 To 250, Deduct</i>	-11.72	
			<i>For &gt;250 To 500, Deduct</i>	-19.93	
			<i>For &gt;500, Deduct</i>	-28.13	
26 52 13 16-0005	EA		Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN).....	199.25	35.19
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For Self-Diagnostics, Add</i>	50.00	
			<i>For &gt;50 To 100, Deduct</i>	-6.74	
			<i>For &gt;100 To 250, Deduct</i>	-11.72	
			<i>For &gt;250 To 500, Deduct</i>	-19.93	
			<i>For &gt;500, Deduct</i>	-28.13	
26 52 13 16-0006	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC).....	218.95	35.19
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For &gt;50 To 100, Deduct</i>	-7.23	
			<i>For &gt;100 To 250, Deduct</i>	-12.71	
			<i>For &gt;250 To 500, Deduct</i>	-21.90	
			<i>For &gt;500, Deduct</i>	-31.08	
26 52 13 16-0007	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC).....	247.70	35.19
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For &gt;50 To 100, Deduct</i>	-7.95	
			<i>For &gt;100 To 250, Deduct</i>	-14.14	
			<i>For &gt;250 To 500, Deduct</i>	-24.77	
			<i>For &gt;500, Deduct</i>	-35.40	
26 52 13 16-0008	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN).....	206.94	35.19
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For Self-Diagnostics, Add</i>	50.00	
			<i>For &gt;50 To 100, Deduct</i>	-6.93	
			<i>For &gt;100 To 250, Deduct</i>	-12.11	
			<i>For &gt;250 To 500, Deduct</i>	-20.69	
			<i>For &gt;500, Deduct</i>	-29.28	
26 52 13 16-0009	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN).....	227.80	35.19
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For Self-Diagnostics, Add</i>	50.00	
			<i>For &gt;50 To 100, Deduct</i>	-7.45	
			<i>For &gt;100 To 250, Deduct</i>	-13.15	
			<i>For &gt;250 To 500, Deduct</i>	-22.78	
			<i>For &gt;500, Deduct</i>	-32.41	
26 52 13 16-0010	EA		Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM).....	263.75	35.19
			Note: Includes two circular side mounted krypton emergency lights.		
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For &gt;50 To 100, Deduct</i>	-9.00	
			<i>For &gt;100 To 250, Deduct</i>	-15.59	
			<i>For &gt;250 To 500, Deduct</i>	-26.38	
			<i>For &gt;500, Deduct</i>	-37.16	
26 52 13 16-0011	EA		Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM LED).....	272.76	35.19
			Note: Includes two circular side mounted LED emergency lights.		
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For &gt;50 To 100, Deduct</i>	-9.23	
			<i>For &gt;100 To 250, Deduct</i>	-16.04	
			<i>For &gt;250 To 500, Deduct</i>	-27.28	
			<i>For &gt;500, Deduct</i>	-38.51	
26 52 13 16-0012	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH).....	329.02	35.19
			Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For &gt;50 To 100, Deduct</i>	-10.63	
			<i>For &gt;100 To 250, Deduct</i>	-18.86	
			<i>For &gt;250 To 500, Deduct</i>	-32.90	
			<i>For &gt;500, Deduct</i>	-46.95	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0013	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM).....	344.17	35.19
			Note: Includes two circular side mounted PAR 36 emergency lights.		
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-11.01	
			For >100 To 250, Deduct	-19.62	
			For >250 To 500, Deduct	-34.42	
			For >500, Deduct	-49.22	
26 52 13 16-0014	EA		Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R).....	97.65	35.19
			For >50 To 100, Deduct	-4.20	
			For >100 To 250, Deduct	-6.64	
			For >250 To 500, Deduct	-9.77	
			For >500, Deduct	-12.89	
26 52 13 16-0015	EA		120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R) .....	98.00	35.23
			For >50 To 100, Deduct	-4.21	
			For >100 To 250, Deduct	-6.66	
			For >250 To 500, Deduct	-9.80	
			For >500, Deduct	-12.94	
<b>26 52 13 16-0016</b>			<b>Edge-Lit LED Exit Signs</b> <small>(26 52 13 16)</small>		
			Note: Includes red LED lamps.		
26 52 13 16-0017	EA		Single Face, Edge-Lit LED Exit Sign.....	303.25	35.19
			For Green LED Lamps, Add	40.00	
			For >50 To 100, Deduct	-9.34	
			For >100 To 250, Deduct	-16.92	
			For >250 To 500, Deduct	-30.33	
			For >500, Deduct	-43.73	
26 52 13 16-0018	EA		Double Face, Edge-Lit LED Exit Sign .....	325.16	35.19
			For Green LED Lamps, Add	40.00	
			For >50 To 100, Deduct	-9.89	
			For >100 To 250, Deduct	-18.02	
			For >250 To 500, Deduct	-32.52	
			For >500, Deduct	-47.01	
26 52 13 16-0019	EA		Single Face, Edge-Lit LED Exit Sign With Battery Back-Up.....	370.89	35.19
			For Green LED Lamps, Add	40.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-11.03	
			For >100 To 250, Deduct	-20.30	
			For >250 To 500, Deduct	-37.09	
			For >500, Deduct	-53.87	
26 52 13 16-0020	EA		Double Face, Edge-Lit LED Exit Sign With Battery Back-Up .....	387.03	35.19
			For Green LED Lamps, Add	40.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-11.44	
			For >100 To 250, Deduct	-21.11	
			For >250 To 500, Deduct	-38.70	
			For >500, Deduct	-56.30	
<b>26 52 13 16-0021</b>			<b>Self-Luminous Tritium Exit Signs</b> <small>(26 52 13 16)</small>		
			Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 52 13 16-0022	EA		10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign .....	411.14	35.19
			For >50 To 100, Deduct	-12.04	
			For >100 To 250, Deduct	-22.32	
			For >250 To 500, Deduct	-41.11	
			For >500, Deduct	-59.91	
26 52 13 16-0023	EA		10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign .....	751.55	35.19
			For >50 To 100, Deduct	-20.55	
			For >100 To 250, Deduct	-39.34	
			For >250 To 500, Deduct	-75.16	
			For >500, Deduct	-110.97	
26 52 13 16-0024	EA		20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign .....	488.69	35.19
			For >50 To 100, Deduct	-13.98	
			For >100 To 250, Deduct	-26.19	
			For >250 To 500, Deduct	-48.87	
			For >500, Deduct	-71.54	
26 52 13 16-0025	EA		20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign .....	813.81	35.19
			For >50 To 100, Deduct	-22.10	
			For >100 To 250, Deduct	-42.45	
			For >250 To 500, Deduct	-81.38	
			For >500, Deduct	-120.31	
26 52 13 16-0026	EA		10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign .....	449.73	35.19
			For >50 To 100, Deduct	-13.00	
			For >100 To 250, Deduct	-24.25	
			For >250 To 500, Deduct	-44.97	
			For >500, Deduct	-65.70	
26 52 13 16-0027	EA		10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign .....	813.81	35.19
			For >50 To 100, Deduct	-22.10	
			For >100 To 250, Deduct	-42.45	
			For >250 To 500, Deduct	-81.38	
			For >500, Deduct	-120.31	
26 52 13 16-0028	EA		20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign .....	550.58	35.19
			For >50 To 100, Deduct	-15.52	
			For >100 To 250, Deduct	-29.29	
			For >250 To 500, Deduct	-55.06	
			For >500, Deduct	-80.83	

**26 Electrical****26 50 Lighting****26 52 Safety Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0029	EA		20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign .....	1,008.95	35.19
			<i>For &gt;50 To 100, Deduct</i>	-26.98	
			<i>For &gt;100 To 250, Deduct</i>	-52.21	
			<i>For &gt;250 To 500, Deduct</i>	-100.90	
			<i>For &gt;500, Deduct</i>	-149.58	
<b>26 52 13 16-0030</b>			<b>Vandal-Resistant LED Exit Signs</b> <small>(26 52 13 16)</small>		
			Note: Includes red LED lamps.		
26 52 13 16-0031	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign .....	388.21	35.19
			<i>For &gt;50 To 100, Deduct</i>	-11.46	
			<i>For &gt;100 To 250, Deduct</i>	-21.17	
			<i>For &gt;250 To 500, Deduct</i>	-38.82	
			<i>For &gt;500, Deduct</i>	-56.47	
26 52 13 16-0032	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup.....	599.00	35.19
			<i>For &gt;50 To 100, Deduct</i>	-16.73	
			<i>For &gt;100 To 250, Deduct</i>	-31.71	
			<i>For &gt;250 To 500, Deduct</i>	-59.90	
			<i>For &gt;500, Deduct</i>	-88.09	
26 52 13 16-0033	EA		Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup .....	728.25	35.19
			<i>For &gt;50 To 100, Deduct</i>	-19.97	
			<i>For &gt;100 To 250, Deduct</i>	-38.17	
			<i>For &gt;250 To 500, Deduct</i>	-72.83	
			<i>For &gt;500, Deduct</i>	-107.48	
<b>26 52 13 16-0034</b>			<b>Removal And Reinstallation Of Exit Light Fixture</b> <small>(26 52 13 16)</small>		
26 52 13 16-0035	EA		Removal And Reinstall Of Exit Light Fixtures.....	72.20	
			Note: Includes storage and cleaning.		
			<i>For &gt;50 To 100, Deduct</i>	-3.61	
			<i>For &gt;100 To 250, Deduct</i>	-5.42	
			<i>For &gt;250 To 500, Deduct</i>	-7.22	
			<i>For &gt;500, Deduct</i>	-9.03	
<b>26 52 13 16-0036</b>			<b>Exit Sign Accessories</b> <small>(26 52 13 16)</small>		
26 52 13 16-0037	EA		Polycarbonate Vandal Shield For Exit Signs .....	92.09	9.65
			<i>For &gt;50 To 100, Deduct</i>	-2.78	
			<i>For &gt;100 To 250, Deduct</i>	-5.09	
			<i>For &gt;250 To 500, Deduct</i>	-9.21	
			<i>For &gt;500, Deduct</i>	-13.33	
26 52 13 16-0038	EA		Wire Guard For Exit Signs Or Emergency Lights .....	54.45	9.65
			<i>For &gt;50 To 100, Deduct</i>	-1.84	
			<i>For &gt;100 To 250, Deduct</i>	-3.20	
			<i>For &gt;250 To 500, Deduct</i>	-5.45	
			<i>For &gt;500, Deduct</i>	-7.69	
26 52 13 16-0039	EA		Wire Guard For Combination Exit Sign And Emergency Light .....	85.76	7.72
			<i>For &gt;50 To 100, Deduct</i>	-2.53	
			<i>For &gt;100 To 250, Deduct</i>	-4.67	
			<i>For &gt;250 To 500, Deduct</i>	-8.58	
			<i>For &gt;500, Deduct</i>	-12.48	
26 52 13 16-0040	EA		Removal And Replacement Of Battery For Exit Signs .....	92.48	
			<i>For &gt;50 To 100, Deduct</i>	-2.92	
			<i>For &gt;100 To 250, Deduct</i>	-5.23	
			<i>For &gt;250 To 500, Deduct</i>	-9.25	
			<i>For &gt;500, Deduct</i>	-13.27	
<b>26 54</b>			<b>Classified Location Lighting</b> <small>(26 50)</small>		
<b>26 54 19</b>			<b>LED Classified Location Lighting</b> <small>(26 54)</small>		
26 54 19 00-0001			Class I Division 2, Hazardous Location, LED Fixtures <small>(26 54 19)</small>		
26 54 19 00-0002			Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) <small>(26 54 19 00-0001)</small>		
			Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0003	EA		5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L).....	2,303.04	79.14
			<i>For Bolt-On Visor, Add</i>	89.03	
			<i>For Bolt-On Wire Guard, Add</i>	183.12	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For &gt;50 To 100, Deduct</i>	-60.87	
			<i>For &gt;100 To 250, Deduct</i>	-118.45	
			<i>For &gt;250 To 500, Deduct</i>	-230.30	
			<i>For &gt;500, Deduct</i>	-342.16	
26 54 19 00-0004	EA		7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L).....	2,824.67	84.41
			<i>For Bolt-On Visor, Add</i>	89.03	
			<i>For Bolt-On Wire Guard, Add</i>	183.12	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For &gt;50 To 100, Deduct</i>	-74.13	
			<i>For &gt;100 To 250, Deduct</i>	-144.75	
			<i>For &gt;250 To 500, Deduct</i>	-282.47	
			<i>For &gt;500, Deduct</i>	-420.18	

<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Classified Location Lighting</b>	<b>26 54</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 54 19 00-0005	EA	9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L).....		3,192.50	89.69
		<i>For Bolt-On Visor, Add</i>		89.03	
		<i>For Bolt-On Wire Guard, Add</i>		183.12	
		<i>For 480 Volt, Add</i>		156.78	
		<i>For Warm White Color Rendering, Add</i>		66.57	
		<i>For &gt;50 To 100, Deduct</i>		-83.55	
		<i>For &gt;100 To 250, Deduct</i>		-163.36	
		<i>For &gt;250 To 500, Deduct</i>		-319.25	
		<i>For &gt;500, Deduct</i>		-475.14	
26 54 19 00-0006	EA	11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L).....		3,570.56	94.96
		<i>For Bolt-On Visor, Add</i>		89.03	
		<i>For Bolt-On Wire Guard, Add</i>		183.12	
		<i>For 480 Volt, Add</i>		156.78	
		<i>For Warm White Color Rendering, Add</i>		66.57	
		<i>For &gt;50 To 100, Deduct</i>		-93.22	
		<i>For &gt;100 To 250, Deduct</i>		-182.49	
		<i>For &gt;250 To 500, Deduct</i>		-357.06	
		<i>For &gt;500, Deduct</i>		-531.63	

**26 54 19 00-0007 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC)** (26 54 19 00-0001)

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0008	EA	1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC).....		1,353.22	73.87
		<i>For 12/24 Volt DC Driver, Add</i>		25.30	
		<i>For Frosted Lens, Add</i>		51.71	
		<i>For Warm White Color Temperature LEDs, Add</i>		66.57	
		<i>For 55 Degree Ambient Suitability (AC Only) Option, Add</i>		34.45	
		<i>For Stanchion Mount, Add</i>		213.31	
		<i>For Ceiling Mount, Add</i>		85.54	
		<i>For Wall Mount, Add</i>		124.86	
		<i>For Teflon Coated Lens, Add</i>		109.75	
		<i>For Wall Mount With Junction Box, Add</i>		182.31	
		<i>For &gt;50 To 100, Deduct</i>		-36.91	
		<i>For &gt;100 To 250, Deduct</i>		-70.74	
		<i>For &gt;250 To 500, Deduct</i>		-135.32	
		<i>For &gt;500, Deduct</i>		-199.91	

**26 54 19 00-0009 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV)** (26 54 19 00-0001)

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0010	EA	3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L).....		2,164.40	73.87
		<i>For Ceiling Mount, Add</i>		16.37	
		<i>For Quick Clip Mounting Option, Add</i>		24.05	
		<i>For Frosted Lens, Add</i>		51.71	
		<i>For Warm White Color Rendering, Add</i>		66.57	
		<i>For Polycarbonate Lens, Add</i>		95.84	
		<i>For 480 Volt, Add</i>		156.78	
		<i>For &gt;50 To 100, Deduct</i>		-57.19	
		<i>For &gt;100 To 250, Deduct</i>		-111.30	
		<i>For &gt;250 To 500, Deduct</i>		-216.44	
		<i>For &gt;500, Deduct</i>		-321.58	

26 54 19 00-0011	EA	3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L).....		2,398.49	79.14
		<i>For Ceiling Mount, Add</i>		16.37	
		<i>For Quick Clip Mounting Option, Add</i>		24.05	
		<i>For Frosted Lens, Add</i>		51.71	
		<i>For Warm White Color Rendering, Add</i>		66.57	
		<i>For Polycarbonate Lens, Add</i>		95.84	
		<i>For 480 Volt, Add</i>		156.78	
		<i>For &gt;50 To 100, Deduct</i>		-63.26	
		<i>For &gt;100 To 250, Deduct</i>		-123.22	
		<i>For &gt;250 To 500, Deduct</i>		-239.85	
		<i>For &gt;500, Deduct</i>		-356.48	

26 54 19 00-0012	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L).....		2,689.10	84.41
		<i>For Ceiling Mount, Add</i>		16.37	
		<i>For Quick Clip Mounting Option, Add</i>		24.05	
		<i>For Frosted Lens, Add</i>		51.71	
		<i>For Warm White Color Rendering, Add</i>		66.57	
		<i>For Polycarbonate Lens, Add</i>		95.84	
		<i>For 480 Volt, Add</i>		156.78	
		<i>For &gt;50 To 100, Deduct</i>		-70.74	
		<i>For &gt;100 To 250, Deduct</i>		-137.97	
		<i>For &gt;250 To 500, Deduct</i>		-268.91	
		<i>For &gt;500, Deduct</i>		-399.85	

**26 Electrical****26 50 Lighting****26 54 Classified Location Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 54 19 00-0013	EA 6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L).....	3,509.96	89.69
	For Ceiling Mount, Add	16.37	
	For Quick Clip Mounting Option, Add	24.05	
	For Frosted Lens, Add	51.71	
	For Warm White Color Rendering, Add	66.57	
	For Polycarbonate Lens, Add	95.84	
	For 480 Volt, Add	156.78	
	For >50 To 100, Deduct	-91.49	
	For >100 To 250, Deduct	-179.24	
	For >250 To 500, Deduct	-351.00	
	For >500, Deduct	-522.76	
26 54 19 00-0014	EA 9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L).....	4,029.72	94.96
	For Ceiling Mount, Add	16.37	
	For Quick Clip Mounting Option, Add	24.05	
	For Frosted Lens, Add	51.71	
	For Warm White Color Rendering, Add	66.57	
	For Polycarbonate Lens, Add	95.84	
	For 480 Volt, Add	156.78	
	For >50 To 100, Deduct	-104.70	
	For >100 To 250, Deduct	-205.44	
	For >250 To 500, Deduct	-402.97	
	For >500, Deduct	-600.50	
26 54 19 00-0015	Class I Division 1, Explosion Proof, LED Fixtures <sup>(26 54 19)</sup>		
26 54 19 00-0016	Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) <sup>(26 54 19 00-0015)</sup>		
	Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0017	EA 5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L).....	3,077.52	79.14
	For Wall Mount, Deduct	-11.76	
	For Warm Color Temperature LEDs, Add	63.40	
	For Stainless Steel Guard, Add	113.80	
	For Ceiling Mount, Add	137.28	
	For Stanchion Mount, Add	159.77	
	For Yoke Mount, Add	399.42	
	For >50 To 100, Deduct	-80.24	
	For >100 To 250, Deduct	-157.17	
	For >250 To 500, Deduct	-307.75	
	For >500, Deduct	-458.33	
26 54 19 00-0018	EA 6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L).....	3,742.54	84.41
	For Wall Mount, Deduct	-11.76	
	For Warm Color Temperature LEDs, Add	63.40	
	For Stainless Steel Guard, Add	113.80	
	For Ceiling Mount, Add	137.28	
	For Stanchion Mount, Add	159.77	
	For Yoke Mount, Add	399.42	
	For >50 To 100, Deduct	-97.08	
	For >100 To 250, Deduct	-190.64	
	For >250 To 500, Deduct	-374.25	
	For >500, Deduct	-557.86	
26 54 19 00-0019	EA 9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L).....	4,347.99	89.69
	For Wall Mount, Deduct	-11.76	
	For Warm Color Temperature LEDs, Add	63.40	
	For Stainless Steel Guard, Add	113.80	
	For Ceiling Mount, Add	137.28	
	For Stanchion Mount, Add	159.77	
	For Yoke Mount, Add	399.42	
	For >50 To 100, Deduct	-112.44	
	For >100 To 250, Deduct	-221.14	
	For >250 To 500, Deduct	-434.80	
	For >500, Deduct	-648.46	
26 54 19 00-0020	EA 10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L).....	4,964.57	94.96
	For Wall Mount, Deduct	-11.76	
	For Warm Color Temperature LEDs, Add	63.40	
	For Stainless Steel Guard, Add	113.80	
	For Ceiling Mount, Add	137.28	
	For Stanchion Mount, Add	159.77	
	For Yoke Mount, Add	399.42	
	For >50 To 100, Deduct	-128.07	
	For >100 To 250, Deduct	-252.19	
	For >250 To 500, Deduct	-496.46	
	For >500, Deduct	-740.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0021	EA		13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L).....	5,752.92	91.45
			<i>For Wall Mount, Deduct</i>	-11.76	
			<i>For Warm Color Temperature LEDs, Add</i>	63.40	
			<i>For Stainless Steel Guard, Add</i>	113.80	
			<i>For Ceiling Mount, Add</i>	137.28	
			<i>For Stanchion Mount, Add</i>	159.77	
			<i>For Yoke Mount, Add</i>	399.42	
			<i>For &gt;50 To 100, Deduct</i>	-148.00	
			<i>For &gt;100 To 250, Deduct</i>	-291.82	
			<i>For &gt;250 To 500, Deduct</i>	-575.29	
			<i>For &gt;500, Deduct</i>	-858.76	

26 55 Special Purpose Lighting (26 50)

26 55 13 Landscape Lighting (26 55)

26 55 13 00-0001 Bollards (26 55 13)

Note: Excludes concrete base.

26 55 13 00-0002 Aluminum Architectural Bollards (26 55 13 00-0001)

26 55 13 00-0003 High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0002)

26 55 13 00-0004 Square, High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0003)

26 55 13 00-0005	EA	24"	Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,114.54	81.82
26 55 13 00-0006	EA	30"	Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,124.16	86.63
26 55 13 00-0007	EA	36"	Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,133.79	91.44
26 55 13 00-0008	EA	42"	Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,051.60	96.26
26 55 13 00-0009	EA	24"	Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,114.54	81.82
26 55 13 00-0010	EA	30"	Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,124.16	86.63
26 55 13 00-0011	EA	36"	Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,133.79	91.44
26 55 13 00-0012	EA	42"	Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,051.60	96.26
26 55 13 00-0013	EA	24"	Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,114.54	81.82
26 55 13 00-0014	EA	30"	Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,124.16	86.63
26 55 13 00-0015	EA	36"	Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,133.79	91.44
26 55 13 00-0016	EA	42"	Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,051.60	96.26
26 55 13 00-0017	EA	24"	Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,114.54	81.82
26 55 13 00-0018	EA	30"	Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,124.16	86.63
26 55 13 00-0019	EA	36"	Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,133.79	91.44
26 55 13 00-0020	EA	42"	Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,051.60	96.26

26 55 13 00-0021 Round, High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0003)

26 55 13 00-0022	EA	24"	Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,072.38	81.82
26 55 13 00-0023	EA	30"	Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,082.00	86.63
26 55 13 00-0024	EA	36"	Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,091.63	91.44
26 55 13 00-0025	EA	42"	Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,009.05	96.26
26 55 13 00-0026	EA	24"	Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,072.38	81.82
26 55 13 00-0027	EA	30"	Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,082.00	86.63
26 55 13 00-0028	EA	36"	Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,091.63	91.44
26 55 13 00-0029	EA	42"	Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,009.05	96.26
26 55 13 00-0030	EA	24"	Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,072.38	81.82
26 55 13 00-0031	EA	30"	Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,082.00	86.63
26 55 13 00-0032	EA	36"	Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,091.63	91.44
26 55 13 00-0033	EA	42"	Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,009.05	96.26
26 55 13 00-0034	EA	24"	Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,072.38	81.82
26 55 13 00-0035	EA	30"	Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,082.00	86.63
26 55 13 00-0036	EA	36"	Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,091.63	91.44
26 55 13 00-0037	EA	42"	Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,009.05	96.26

26 55 13 00-0038 Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0002)

26 55 13 00-0039 Square, Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0038)

26 55 13 00-0040	EA	24"	Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,169.29	81.82
26 55 13 00-0041	EA	30"	Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,178.91	86.63
26 55 13 00-0042	EA	36"	Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,188.54	91.44
26 55 13 00-0043	EA	42"	Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,105.96	96.26
26 55 13 00-0044	EA	24"	Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,169.29	81.82
26 55 13 00-0045	EA	30"	Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,178.91	86.63
26 55 13 00-0046	EA	36"	Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,188.54	91.44
26 55 13 00-0047	EA	42"	Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,105.96	96.26
26 55 13 00-0048	EA	24"	Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,169.29	81.82
26 55 13 00-0049	EA	30"	Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,178.91	86.63
26 55 13 00-0050	EA	36"	Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,188.54	91.44
26 55 13 00-0051	EA	42"	Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,151.78	96.26

26 55 13 00-0052 Round, Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0038)

26 55 13 00-0053	EA	24"	Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,126.74	81.82
26 55 13 00-0054	EA	30"	Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,136.36	86.63
26 55 13 00-0055	EA	36"	Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,145.99	91.44
26 55 13 00-0056	EA	42"	Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,063.41	96.26
26 55 13 00-0057	EA	24"	Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,126.74	81.82
26 55 13 00-0058	EA	30"	Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,136.36	86.63

**26 Electrical****26 50 Lighting****26 55 Special Purpose Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 55 13 00-0059	EA	36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard .....		1,145.99	91.44
26 55 13 00-0060	EA	42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard .....		1,063.41	96.26
26 55 13 00-0061	EA	24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard .....		1,126.74	81.82
26 55 13 00-0062	EA	30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard .....		1,136.36	86.63
26 55 13 00-0063	EA	36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard .....		1,145.99	91.44
26 55 13 00-0064	EA	42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard .....		1,063.41	96.26
<b>26 55 13 00-0065</b>		<b>Compact Fluorescent, Aluminum Architectural Bollards</b> <small>(26 55 13 00-0002)</small>			
<b>26 55 13 00-0066</b>		<b>Square, Compact Fluorescent, Aluminum Architectural Bollards</b> <small>(26 55 13 00-0065)</small>			
26 55 13 00-0067	EA	24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,109.74	81.82
26 55 13 00-0068	EA	30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,119.36	86.63
26 55 13 00-0069	EA	36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,128.99	91.44
26 55 13 00-0070	EA	42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,047.66	96.26
26 55 13 00-0071	EA	24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,109.74	81.82
26 55 13 00-0072	EA	30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,119.36	86.63
26 55 13 00-0073	EA	36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,128.99	91.44
26 55 13 00-0074	EA	42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,047.66	96.26
26 55 13 00-0075	EA	24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,109.74	81.82
26 55 13 00-0076	EA	30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,119.36	86.63
26 55 13 00-0077	EA	36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,128.99	91.44
26 55 13 00-0078	EA	42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,047.66	96.26
<b>26 55 13 00-0079</b>		<b>Round, Compact Fluorescent, Aluminum Architectural Bollards</b> <small>(26 55 13 00-0065)</small>			
26 55 13 00-0080	EA	24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,068.12	81.82
26 55 13 00-0081	EA	30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,077.74	86.63
26 55 13 00-0082	EA	36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,087.37	91.44
26 55 13 00-0083	EA	42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,006.84	96.26
26 55 13 00-0084	EA	24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,068.12	81.82
26 55 13 00-0085	EA	30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,077.74	86.63
26 55 13 00-0086	EA	36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,087.37	91.44
26 55 13 00-0087	EA	42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,006.84	96.26
26 55 13 00-0088	EA	24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,068.12	81.82
26 55 13 00-0089	EA	30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,077.74	86.63
26 55 13 00-0090	EA	36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,087.37	91.44
26 55 13 00-0091	EA	42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....		1,006.84	96.26
<b>26 55 13 00-0092</b>		<b>LED, Aluminum Architectural Bollards</b> <small>(26 55 13 00-0002)</small>			
<b>26 55 13 00-0093</b>		<b>Square, LED, Aluminum Architectural Bollards</b> <small>(26 55 13 00-0092)</small>			
26 55 13 00-0094	EA	24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard .....		1,325.85	81.82
26 55 13 00-0095	EA	30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard .....		1,335.47	86.63
26 55 13 00-0096	EA	36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard .....		1,345.10	91.44
26 55 13 00-0097	EA	42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard .....		1,264.93	96.26
26 55 13 00-0098	EA	24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard .....		1,615.60	81.82
26 55 13 00-0099	EA	30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard .....		1,625.22	86.63
26 55 13 00-0100	EA	36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard .....		1,634.85	91.44
26 55 13 00-0101	EA	42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard .....		1,553.24	96.26
<b>26 55 13 00-0102</b>		<b>Round, LED, Aluminum Architectural Bollards</b> <small>(26 55 13 00-0092)</small>			
26 55 13 00-0103	EA	24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard .....		1,282.63	81.82
26 55 13 00-0104	EA	30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard .....		1,292.25	86.63
26 55 13 00-0105	EA	36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard .....		1,301.88	91.44
26 55 13 00-0106	EA	42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard .....		1,220.26	96.26
26 55 13 00-0107	EA	24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard .....		1,572.38	81.82
26 55 13 00-0108	EA	30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard .....		1,582.00	86.63
26 55 13 00-0109	EA	36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard .....		1,591.63	91.44
26 55 13 00-0110	EA	42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard .....		1,510.53	96.26
<b>26 55 13 00-0111</b>		<b>Reinforced Concrete Bollards</b> <small>(26 55 13 00-0001)</small>			
26 55 13 00-0112	EA	48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard .....		1,133.68	240.65
26 55 13 00-0113	EA	58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard .....		1,973.99	320.84
<b>26 55 13 00-0114</b>		<b>Low Voltage</b> <small>(26 55 13)</small>			
26 55 13 00-0115	EA	Low Voltage Recessed Uplight .....		599.82	175.20
26 55 13 00-0116	EA	Low Voltage Walkway .....		417.41	96.26
26 55 13 00-0117	EA	Low Voltage Malibu - 5 Light Set .....		420.58	128.51
26 55 13 00-0118	EA	Low Voltage Mushroom 24" Pier .....		360.17	96.26
<b>26 55 13 00-0119</b>		<b>Recessed, Adjustable</b> <small>(26 55 13)</small>			
26 55 13 00-0120	EA	150 Watt Incandescent Recessed, Adjustable .....		688.28	154.02
26 55 13 00-0121	EA	300 Watt Incandescent Recessed, Adjustable .....		749.61	154.02
<b>26 55 13 00-0122</b>		<b>Recessed, Uplight</b> <small>(26 55 13)</small>			
26 55 13 00-0123	EA	50 Watt Incandescent Recessed Uplight .....		618.77	154.02
26 55 13 00-0124	EA	150 Watt Incandescent Recessed Uplight .....		631.04	154.02

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 55 13 00-0125	EA		300 Watt Incandescent Recessed Uplight .....	667.84	154.02
	26 55 13 00-0126	EA		500 Watt Quartz Recessed Uplight .....	663.75	154.02
	26 55 13 00-0127	EA		5 Watt, LED Recessed Uplight .....	836.82	154.02
	26 55 13 00-0128	EA		15 Watt, LED Recessed Uplight .....	917.52	154.02
<b>26 55 13 00-0129</b>				<b>Recessed Wall Light <small>(26 55 13)</small></b>		
	26 55 13 00-0130	EA		100 Watt Incandescent Recessed Wall Light .....	323.37	96.26
	26 55 13 00-0131	EA		100 Watt Fluorescent Recessed Wall Light .....	311.11	96.26
	26 55 13 00-0132	EA		100 Watt High Intensity Discharge (HID) Recessed Wall Light .....	498.27	128.51
<b>26 55 13 00-0133</b>				<b>Step Lights <small>(26 55 13)</small></b>		
	26 55 13 00-0134	EA		Incandescent Step Light .....	264.37	77.00
	26 55 13 00-0135	EA		Fluorescent Step Light .....	305.31	77.00
	26 55 13 00-0136	EA		5 Watt, LED Step Light .....	458.00	77.00
	26 55 13 00-0137	EA		15 Watt, LED Step Light .....	544.08	77.00
<b>26 55 13 00-0138</b>				<b>Tree Lights, Surface Adjustable <small>(26 55 13)</small></b>		
	26 55 13 00-0139	EA		50 Watt Incandescent Tree Lights .....	551.42	128.51
	26 55 13 00-0140	EA		100 Watt Incandescent Tree Lights .....	563.69	128.51
	26 55 13 00-0141	EA		150 Watt Incandescent Tree Lights .....	712.14	192.53
<b>26 55 16</b>				<b>Walkway Lighting <small>(26 55)</small></b>		
<b>26 55 16 00-0001</b>				<b>Incandescent Walkway <small>(26 55 16)</small></b>		
	26 55 16 00-0002	EA		Post Top 300 Watt Incandescent Walkway Fixture .....	374.41	89.52
<b>26 55 16 00-0003</b>				<b>Metal Halide Walkway <small>(26 55 16)</small></b>		
	26 55 16 00-0004	EA		Post Top 100 Watt Metal Halide Walkway Fixture .....	574.64	140.73
	26 55 16 00-0005	EA		Post Top 150-175 Watt Metal Halide Walkway Fixture .....	610.39	145.84
	26 55 16 00-0006	EA		Post Top 250 Watt Metal Halide Walkway Fixture .....	661.65	151.42
	26 55 16 00-0007	EA		Post Top 400 Watt Metal Halide Walkway Fixture .....	707.62	163.65
	26 55 16 00-0008	EA		Round Luminaries 100 Watt Metal Halide Walkway Fixture .....	627.48	151.42
	26 55 16 00-0009	EA		Round Luminaries 150-175 Watt Metal Halide Walkway Fixture .....	640.40	140.73
	26 55 16 00-0010	EA		Round Luminaries 250 Watt Metal Halide Walkway Fixture .....	651.43	145.84
	26 55 16 00-0011	EA		Spherical 100 Watt Metal Halide Walkway Fixture .....	525.32	100.30
	26 55 16 00-0012	EA		Spherical 150-175 Watt Metal Halide Walkway Fixture .....	559.50	100.30
	26 55 16 00-0013	EA		Spherical 250 Watt Metal Halide Walkway Fixture .....	593.69	100.30
	26 55 16 00-0014	EA		Spherical 400 Watt Metal Halide Walkway Fixture .....	670.39	112.91
	26 55 16 00-0015	EA		Low Walkway 100 Watt Metal Halide Walkway Fixture .....	505.03	90.10
<b>26 55 16 00-0016</b>				<b>High Pressure Sodium Walkway <small>(26 55 16)</small></b>		
	26 55 16 00-0017	EA		Post Top 100 Watt High Pressure Sodium Walkway Fixture .....	510.51	140.73
	26 55 16 00-0018	EA		Post Top 150-175 Watt High Pressure Sodium Walkway Fixture .....	540.68	145.84
	26 55 16 00-0019	EA		Post Top 250 Watt High Pressure Sodium Walkway Fixture .....	583.14	151.42
	26 55 16 00-0020	EA		Post Top 400 Watt High Pressure Sodium Walkway Fixture .....	624.45	163.65
	26 55 16 00-0021	EA		Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture .....	556.43	151.42
	26 55 16 00-0022	EA		Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture .....	561.89	140.73
	26 55 16 00-0023	EA		Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture .....	572.74	145.84
	26 55 16 00-0024	EA		Spherical 100 Watt High Pressure Sodium Walkway Fixture .....	454.27	100.30
	26 55 16 00-0025	EA		Spherical 175 150-Watt High Pressure Sodium Walkway Fixture .....	480.98	100.30
	26 55 16 00-0026	EA		Spherical 250 Watt High Pressure Sodium Walkway Fixture .....	507.69	100.30
	26 55 16 00-0027	EA		Spherical 400 Watt High Pressure Sodium Walkway Fixture .....	573.17	112.91
	26 55 16 00-0028	EA		Low Walkway 100 Watt High Pressure Sodium Walkway Fixture .....	371.89	90.10
<b>26 55 16 00-0029</b>				<b>Walkway, Adjustable <small>(26 55 16)</small></b>		
	26 55 16 00-0030	EA		2' Fluorescent Adjustable Walkway Fixture .....	543.76	128.51
	26 55 16 00-0031	EA		4' Fluorescent Adjustable Walkway Fixture .....	560.63	128.51
	26 55 16 00-0032	EA		8' Fluorescent Adjustable Walkway Fixture .....	980.99	192.53
	26 55 16 00-0033	EA		50 Watt Incandescent Adjustable Walkway Fixture .....	462.39	96.26
	26 55 16 00-0034	EA		150 Watt Incandescent Adjustable Walkway Fixture .....	484.88	96.26
<b>26 55 16 00-0035</b>				<b>LED Walkway <small>(26 55 16)</small></b>		
<b>26 55 16 00-0036</b>				<b>LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) <small>(26 55 16 00-0035)</small></b>		
	Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.					
	26 55 16 00-0037	EA		13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) .....	688.56	73.87
				<i>For Multi-Level Drive Currents, Add</i>	179.10	
	26 55 16 00-0038	EA		18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) .....	710.31	73.87
				<i>For Multi-Level Drive Currents, Add</i>	179.10	
	26 55 16 00-0039	EA		36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) .....	748.69	73.87
				<i>For Multi-Level Drive Currents, Add</i>	179.10	
	26 55 16 00-0040	EA		42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) .....	778.11	73.87
				<i>For Multi-Level Drive Currents, Add</i>	179.10	
	26 55 16 00-0041	EA		96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) .....	896.45	94.96
				<i>For Multi-Level Drive Currents, Add</i>	179.10	

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 16 00-0042			<b>Wall Mounted Walkway Lighting</b> <small>(26 55 16 00-0035)</small>		
26 55 16 00-0043	EA		Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492) ..... Note: Type Fixture 17 as Post	3,121.86	
26 55 16 00-0044			<b>Pole Mounted Walkway Lighting</b> <small>(26 55 16 00-0035)</small>		
26 55 16 00-0045	EA		43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27) .....	2,898.82	
26 55 16 00-0046	EA		12" Tapered and Fluted Post (Herwig BRA Series, BRAJ-12)..... Note: Washers and nuts included	2,846.87	
26 55 29			<b>Underwater Lighting</b> <small>(26 55)</small>		
26 55 29 00-0001			<b>Underwater Lights</b> <small>(26 55 29)</small>		
26 55 29 00-0002	EA		150 Watt, 120 Volt Underwater Lights.....	442.88	64.02
26 55 29 00-0003	EA		300 Watt, 120 Volt Underwater Lights.....	491.94	64.02
26 55 29 00-0004	EA		1,000 Watt, 120 Volt Underwater Lights.....	1,194.29	96.26
26 55 29 00-0005	EA		50 Watt, 12 Volt Underwater Lights.....	463.32	64.02
26 55 29 00-0006	EA		300 Watt, 12 Volt Underwater Lights.....	520.57	64.02
26 55 29 00-0007	SET		Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent .....	1,331.16	144.39
26 55 53			<b>Security Lighting</b> <small>(26 55)</small>		
26 55 53 11			<b>Security Flood Lighting</b> <small>(26 55 53)</small>		
26 55 53 11-0001			<b>General Electric Powerflood® Flood Lights</b> <small>(26 55 53 11)</small>		
26 55 53 11-0002			<b>MPF (Small Size) Series GE Flood Lights</b> <small>(26 55 53 11-0001)</small> Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 55 53 11-0003			<b>High Pressure Sodium MPF Series GE Flood Lights</b> <small>(26 55 53 11-0002)</small>		
26 55 53 11-0004	EA		70 Watt High Pressure Sodium MPF Series GE Flood Light .....	286.61	83.57
26 55 53 11-0005	EA		100 Watt High Pressure Sodium MPF Series GE Flood Light .....	288.99	83.57
26 55 53 11-0006	EA		150 Watt High Pressure Sodium MPF Series GE Flood Light .....	292.98	83.57
26 55 53 11-0007			<b>Metal Halide MPF Series GE Flood Lights</b> <small>(26 55 53 11-0002)</small>		
26 55 53 11-0008	EA		70 Watt Metal Halide MPF Series GE Flood Light .....	381.39	83.57
26 55 53 11-0009			<b>P-154 (Small Size) Series GE Flood Lights</b> <small>(26 55 53 11-0001)</small> Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0010			<b>High Pressure Sodium P-154 Series GE Flood Lights</b> <small>(26 55 53 11-0009)</small>		
26 55 53 11-0011	EA		70 Watt High Pressure Sodium P-154 Series GE Flood Light .....	566.14	111.42
26 55 53 11-0012	EA		100 Watt High Pressure Sodium P-154 Series GE Flood Light .....	569.33	111.42
26 55 53 11-0013	EA		150 Watt High Pressure Sodium P-154 Series GE Flood Light .....	574.90	111.42
26 55 53 11-0014	EA		250 Watt High Pressure Sodium P-154 Series GE Flood Light .....	637.83	111.42
26 55 53 11-0015	EA		400 Watt High Pressure Sodium P-154 Series GE Flood Light .....	656.15	111.42
26 55 53 11-0016			<b>Metal Halide P-154 Series GE Flood Lights</b> <small>(26 55 53 11-0009)</small>		
26 55 53 11-0017	EA		175 Watt Metal Halide P-154 Series GE Flood Light .....	560.57	111.42
26 55 53 11-0018	EA		250 Watt Metal Halide P-154 Series GE Flood Light .....	588.44	111.42
26 55 53 11-0019	EA		400 Watt Metal Halide P-154 Series GE Flood Light .....	602.78	111.42
26 55 53 11-0020			<b>PF-154 (Medium Size) Series GE Flood Lights</b> <small>(26 55 53 11-0001)</small> Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0021			<b>High Pressure Sodium PF-154 Series GE Flood Lights</b> <small>(26 55 53 11-0020)</small>		
26 55 53 11-0022	EA		70 Watt High Pressure Sodium PF-154 Series GE Flood Light .....	580.45	125.35
26 55 53 11-0023	EA		100 Watt High Pressure Sodium PF-154 Series GE Flood Light .....	584.43	125.35
26 55 53 11-0024	EA		150 Watt High Pressure Sodium PF-154 Series GE Flood Light .....	590.81	125.35
26 55 53 11-0025	EA		250 Watt High Pressure Sodium PF-154 Series GE Flood Light .....	652.93	125.35
26 55 53 11-0026	EA		400 Watt High Pressure Sodium PF-154 Series GE Flood Light .....	670.46	125.35
26 55 53 11-0027			<b>Metal Halide PF-154 GE Flood Lights</b> <small>(26 55 53 11-0020)</small>		
26 55 53 11-0028	EA		175 Watt Metal Halide PF-154 Series GE Flood Light .....	575.67	125.35
26 55 53 11-0029	EA		250 Watt Metal Halide PF-154 Series GE Flood Light .....	602.75	125.35
26 55 53 11-0030	EA		400 Watt Metal Halide PF-154 Series GE Flood Light .....	617.09	125.35
26 55 53 11-0031			<b>PF-400 (Medium Size) Series GE Flood Lights</b> <small>(26 55 53 11-0001)</small> Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 55 53 11-0032 High Pressure Sodium PF-400 Series GE Flood Lights</b> <small>(26 55 53 11-0031)</small>				
26 55 53 11-0033	EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light .....	768.42	125.35
26 55 53 11-0034	EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light .....	824.18	125.35
26 55 53 11-0035	EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light .....	820.20	125.35
26 55 53 11-0036	EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light .....	840.11	125.35
<b>26 55 53 11-0037 Metal Halide PF-400 GE Flood Lights</b> <small>(26 55 53 11-0031)</small>				
26 55 53 11-0038	EA	175 Watt Metal Halide PF-400 Series GE Flood Light .....	789.13	125.35
26 55 53 11-0039	EA	250 Watt Metal Halide PF-400 Series GE Flood Light .....	805.86	125.35
26 55 53 11-0040	EA	400 Watt Metal Halide PF-400 Series GE Flood Light .....	823.38	125.35
<b>26 55 53 11-0041 PF-1000 (Large Size) Series GE Flood Lights</b> <small>(26 55 53 11-0001)</small>				
Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.				
<b>26 55 53 11-0042 High Pressure Sodium PF-154 Series GE Flood Lights</b> <small>(26 55 53 11-0041)</small>				
26 55 53 11-0043	EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light .....	1,034.43	139.28
26 55 53 11-0044	EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light .....	1,034.43	139.28
<b>26 55 53 11-0045 Metal Halide PF-1000 Series GE Flood Lights</b> <small>(26 55 53 11-0041)</small>				
26 55 53 11-0046	EA	1,000 Watt Metal Halide PF-1000 Series GE Flood Light .....	988.23	139.28
<b>26 55 53 11-0047 HLU/VLU (Medium Size) FRP Series GE Flood Lights</b> <small>(26 55 53 11-0001)</small>				
Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.				
<b>26 55 53 11-0048 High Pressure Sodium HLU/VLU FRP Series GE Flood Lights</b> <small>(26 55 53 11-0047)</small>				
26 55 53 11-0049	EA	250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light .....	844.89	125.35
26 55 53 11-0050	EA	400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light .....	860.02	125.35
<b>26 55 53 11-0051 Metal Halide HLU/VLU Series GE Flood Lights</b> <small>(26 55 53 11-0047)</small>				
26 55 53 11-0052	EA	400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light .....	853.65	125.35
<b>26 55 53 11-0053 Accessories For Powerflood GE Flood Lights</b> <small>(26 55 53 11-0001)</small>				
26 55 53 11-0054	EA	Wireguard For Powerflood GE Flood Light .....	147.31	27.86
26 55 53 11-0055	EA	Polycarbonate Vandal Shield For Powerflood GE Flood Light .....	88.37	27.86
26 55 53 11-0056	EA	Top Visor For Powerflood Flood Light .....	125.01	27.86
26 55 53 11-0057	EA	Top And Two Side Visors For Powerflood GE Flood Light .....	97.13	27.86
26 55 53 11-0058	EA	Pipe Wall Mounting Bracket For Powerflood GE Flood Light .....	248.37	83.57
26 55 53 11-0059	EA	Multiple Mounting Channel For Powerflood GE Flood Light .....	105.89	27.86
26 55 53 11-0060	EA	Wall Or Flat Surface Bracket For Powerflood GE Flood Light .....	188.64	83.57
26 55 53 11-0061	EA	Steel Angle Bracket For Powerflood GE Flood Light .....	195.80	83.57
26 55 53 11-0062	EA	Cross Arm Adaptor For Powerflood GE Flood Light .....	81.20	27.86
26 55 53 11-0063	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light .....	78.81	27.86
<b>26 55 53 11-0064 Lithonia Contour Series Flood Lights</b> <small>(26 55 53 11)</small>				
<b>26 55 53 11-0065 TFM (Small Size) Series Lithonia Flood Lights</b> <small>(26 55 53 11-0064)</small>				
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.				
<b>26 55 53 11-0066 High Pressure Sodium TFM Series Lithonia Flood Lights</b> <small>(26 55 53 11-0065)</small>				
26 55 53 11-0067	EA	70 Watt High Pressure Sodium TFM Series Lithonia Flood Light .....	523.74	111.42
26 55 53 11-0068	EA	100 Watt High Pressure Sodium TFM Series Lithonia Flood Light .....	569.73	111.42
26 55 53 11-0069	EA	150 Watt High Pressure Sodium TFM Series Lithonia Flood Light .....	614.76	111.42
<b>26 55 53 11-0070 Metal Halide TFM Series Lithonia Flood Lights</b> <small>(26 55 53 11-0065)</small>				
26 55 53 11-0071	EA	50 Watt Metal Halide TFM Series Lithonia Flood Light .....	670.96	111.42
26 55 53 11-0072	EA	70 Watt Metal Halide TFM Series Lithonia Flood Light .....	659.89	111.42
26 55 53 11-0073	EA	100 Watt Metal Halide TFM Series Lithonia Flood Light .....	642.05	111.42
26 55 53 11-0074	EA	175 Watt Metal Halide TFM Series Lithonia Flood Light .....	640.73	111.42
<b>26 55 53 11-0075 Compact Fluorescent TFM Series Lithonia Flood Lights</b> <small>(26 55 53 11-0065)</small>				
26 55 53 11-0076	EA	42 Watt Compact Fluorescent TFM Series Lithonia Flood Light .....	666.37	111.42
<b>26 55 53 11-0077 TFL (Medium Size) Series Lithonia Flood Lights</b> <small>(26 55 53 11-0064)</small>				
Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.				
<b>26 55 53 11-0078 High Pressure Sodium TFL Series Lithonia Flood Lights</b> <small>(26 55 53 11-0077)</small>				
26 55 53 11-0079	EA	250 Watt High Pressure Sodium TFL Series Lithonia Flood Light .....	791.24	125.35

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0080	EA		400 Watt High Pressure Sodium TFL Series Lithonia Flood Light .....	806.58	125.35
<b>26 55 53 11-0081</b>			<b>Metal Halide TFL Series Lithonia Flood Lights</b> (26 55 53 11-0077)		
26 55 53 11-0082	EA		175 Watt Metal Halide TFL Series Lithonia Flood Light .....	756.76	125.35
26 55 53 11-0083	EA		250 Watt Metal Halide TFL Series Lithonia Flood Light .....	756.76	125.35
26 55 53 11-0084	EA		400 Watt Metal Halide TFL Series Lithonia Flood Light .....	780.82	125.35
<b>26 55 53 11-0085</b>			<b>TFR (Low Profile) Series Lithonia Flood Lights</b> (26 55 53 11-0064)		
			Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
<b>26 55 53 11-0086</b>			<b>High Pressure Sodium TFR Lithonia Flood Lights</b> (26 55 53 11-0085)		
26 55 53 11-0087	EA		150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light .....	755.74	111.42
26 55 53 11-0088	EA		250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light .....	778.70	111.42
26 55 53 11-0089	EA		400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light .....	797.88	111.42
<b>26 55 53 11-0090</b>			<b>Metal Halide TFR Lithonia Flood Lights</b> (26 55 53 11-0085)		
26 55 53 11-0091	EA		250 Watt Metal Halide TFR Series Lithonia Flood Light .....	748.06	111.42
26 55 53 11-0092	EA		400 Watt Metal Halide TFR Series Lithonia Flood Light .....	771.05	111.42
<b>26 55 53 11-0093</b>			<b>TFA (Large Size) Series Lithonia Flood Lights</b> (26 55 53 11-0064)		
			Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
<b>26 55 53 11-0094</b>			<b>High Pressure Sodium TFA Series Lithonia Flood Lights</b> (26 55 53 11-0093)		
26 55 53 11-0095	EA		1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light .....	1,447.62	139.28
<b>26 55 53 11-0096</b>			<b>Metal Halide TFA Series Lithonia Flood Lights</b> (26 55 53 11-0093)		
26 55 53 11-0097	EA		400 Watt Metal Halide TFA Series Lithonia Flood Light .....	1,121.80	139.28
26 55 53 11-0098	EA		1,000 Watt Metal Halide TFA Series Lithonia Flood Light .....	1,236.79	139.28
<b>26 55 53 11-0099</b>			<b>Accessories For Contour Series Lithonia Flood Lights</b> (26 55 53 11-0064)		
26 55 53 11-0100	EA		Wireguard For Contour Series Lithonia Flood Light .....	127.98	27.86
26 55 53 11-0101	EA		Vandal Guard For Contour Series Lithonia Flood Light .....	240.85	27.86
26 55 53 11-0102	EA		Upper Visor For Contour Series Lithonia Flood Light .....	106.69	27.86
26 55 53 11-0103	EA		Full Visor For Contour Series Lithonia Flood Light .....	141.17	27.86
26 55 53 11-0104	EA		Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light .....	320.42	83.57
26 55 53 11-0105	EA		Radius Wall Bracket For Contour Series Lithonia Flood Light .....	259.40	83.57
26 55 53 11-0106	EA		Steel Angle Bracket For Contour Series Lithonia Flood Light .....	259.40	83.57
26 55 53 11-0107	EA		U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe .....	283.74	83.57
26 55 53 11-0108	EA		Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light .....	122.74	27.86
26 55 53 11-0109	EA		120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light .....	99.36	27.86
<b>26 55 53 11-0110</b>			<b>Eaton Flood Lights</b> (26 55 53 11)		
26 55 53 11-0111	EA		6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB) .....	807.79	111.42
			For NEMA Photocontrol Option (Eaton OA/RA1016), Add	41.28	
			For >50 To 100, Deduct	-25.77	
			For >100 To 250, Deduct	-45.96	
			For >250 To 500, Deduct	-80.78	
			For >500, Deduct	-115.60	
26 55 53 11-0112	EA		16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016) .....	998.15	121.65
			For >50 To 100, Deduct	-31.04	
			For >100 To 250, Deduct	-55.99	
			For >250 To 500, Deduct	-99.82	
			For >500, Deduct	-143.64	
<b>26 55 53 11-0113</b>			<b>Ruud Flood Lights</b> (26 55 53 11)		
<b>26 55 53 11-0114</b>			<b>NS (Micro) Series Ruud Flood Lights</b> (26 55 53 11-0113)		
			Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
<b>26 55 53 11-0115</b>			<b>High Pressure Sodium NS Series Ruud Flood Lights</b> (26 55 53 11-0114)		
26 55 53 11-0116	EA		35 Watt High Pressure Sodium NS Series Ruud Flood Light .....	347.14	83.57
26 55 53 11-0117	EA		50 Watt High Pressure Sodium NS Series Ruud Flood Light .....	347.14	83.57
26 55 53 11-0118	EA		70 Watt High Pressure Sodium NS Series Ruud Flood Light .....	347.14	83.57
26 55 53 11-0119	EA		100 Watt High Pressure Sodium NS Series Ruud Flood Light .....	347.14	83.57
26 55 53 11-0120	EA		150 Watt High Pressure Sodium NS Series Ruud Flood Light .....	347.14	83.57
<b>26 55 53 11-0121</b>			<b>Metal Halide NS Series Ruud Flood Lights</b> (26 55 53 11-0114)		
26 55 53 11-0122	EA		50 Watt Metal Halide NS Series Ruud Flood Light .....	391.74	83.57
26 55 53 11-0123	EA		70 Watt Metal Halide NS Series Ruud Flood Light .....	391.74	83.57
26 55 53 11-0124	EA		100 Watt Metal Halide NS Series Ruud Flood Light .....	391.74	83.57

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 11-0125			<b>Compact Fluorescent NS Series Ruud Flood Lights</b> <small>(26 55 53 11-0114)</small>		
26 55 53 11-0126	EA		13 Watt Compact Fluorescent NS Series Ruud Flood Light .....	300.94	83.57
26 55 53 11-0127	EA		26 Watt Compact Fluorescent NS Series Ruud Flood Light .....	312.09	83.57
26 55 53 11-0128	EA		32 Watt Compact Fluorescent NS Series Ruud Flood Light .....	315.28	83.57
26 55 53 11-0129	EA		42 Watt Compact Fluorescent NS Series Ruud Flood Light .....	318.47	83.57
26 55 53 11-0130			<b>NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights</b> <small>(26 55 53 11-0113)</small>		
			<small>Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.</small>		
26 55 53 11-0131			<b>High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights</b> <small>(26 55 53 11-0130)</small>		
26 55 53 11-0132	EA		150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	534.25	125.35
26 55 53 11-0133	EA		250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	562.93	125.35
26 55 53 11-0134	EA		400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	578.86	125.35
26 55 53 11-0135			<b>Metal Halide NSF/NSW/NSC Series Ruud Flood Lights</b> <small>(26 55 53 11-0130)</small>		
26 55 53 11-0136	EA		175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light .....	527.88	125.35
26 55 53 11-0137	EA		250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light .....	531.07	125.35
26 55 53 11-0138	EA		400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light .....	540.63	125.35
26 55 53 11-0139			<b>Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights</b> <small>(26 55 53 11-0130)</small>		
26 55 53 11-0140	EA		70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light .....	516.73	125.35
26 55 53 11-0141			<b>FS (Square) Series Ruud Flood Lights</b> <small>(26 55 53 11-0113)</small>		
			<small>Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.</small>		
26 55 53 11-0142			<b>High Pressure Sodium FS Series Ruud Flood Lights</b> <small>(26 55 53 11-0141)</small>		
26 55 53 11-0143	EA		250 Watt High Pressure Sodium FS Series Ruud Flood Light.....	618.68	125.35
26 55 53 11-0144	EA		400 Watt High Pressure Sodium FS Series Ruud Flood Light.....	621.87	125.35
26 55 53 11-0145	EA		1,000 Watt High Pressure Sodium FS Series Ruud Flood Light.....	1,035.23	139.28
26 55 53 11-0146			<b>Metal Halide FS Series Ruud Flood Lights</b> <small>(26 55 53 11-0141)</small>		
26 55 53 11-0147	EA		175 Watt Metal Halide FS Series Ruud Flood Light.....	618.68	125.35
26 55 53 11-0148	EA		250 Watt Metal Halide FS Series Ruud Flood Light.....	621.87	125.35
26 55 53 11-0149	EA		400 Watt Metal Halide FS Series Ruud Flood Light.....	631.43	125.35
26 55 53 11-0150	EA		1,000 Watt Metal Halide FS Series Ruud Flood Light.....	930.09	139.28
26 55 53 11-0151			<b>MFS (Mini Square) Series Ruud Flood Lights</b> <small>(26 55 53 11-0113)</small>		
			<small>Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.</small>		
26 55 53 11-0152			<b>High Pressure Sodium MFS Series Ruud Flood Lights</b> <small>(26 55 53 11-0151)</small>		
26 55 53 11-0153	EA		35 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	488.88	111.42
26 55 53 11-0154	EA		50 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	522.33	111.42
26 55 53 11-0155	EA		70 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	522.33	111.42
26 55 53 11-0156	EA		100 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	522.33	111.42
26 55 53 11-0157	EA		150 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	522.33	111.42
26 55 53 11-0158			<b>Metal Halide MFS Series Ruud Flood Lights</b> <small>(26 55 53 11-0151)</small>		
26 55 53 11-0159	EA		50 Watt Metal Halide MFS Series Ruud Flood Light.....	533.49	111.42
26 55 53 11-0160	EA		70 Watt Metal Halide MFS Series Ruud Flood Light.....	533.49	111.42
26 55 53 11-0161	EA		100 Watt Metal Halide MFS Series Ruud Flood Light.....	533.49	111.42
26 55 53 11-0162	EA		175 Watt Metal Halide MFS Series Ruud Flood Light.....	515.96	111.42
26 55 53 11-0163			<b>MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights</b> <small>(26 55 53 11-0113)</small>		
			<small>Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.</small>		
26 55 53 11-0164			<b>High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights</b> <small>(26 55 53 11-0163)</small>		
26 55 53 11-0165	EA		35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	528.71	111.42
26 55 53 11-0166	EA		50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	562.16	111.42
26 55 53 11-0167	EA		70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	562.16	111.42
26 55 53 11-0168	EA		100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	562.16	111.42
26 55 53 11-0169	EA		150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	562.16	111.42
26 55 53 11-0170			<b>Metal Halide MCF/MPM/MPN Series Ruud Flood Lights</b> <small>(26 55 53 11-0163)</small>		
26 55 53 11-0171	EA		50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light .....	573.31	111.42
26 55 53 11-0172	EA		70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light .....	573.31	111.42
26 55 53 11-0173	EA		100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light .....	573.31	111.42
26 55 53 11-0174	EA		175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light .....	555.79	111.42

**26 Electrical****26 50 Lighting****26 55 Special Purpose Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 55 53 11-0175		<b>CF (Cutoff Square) Series Ruud Flood Lights</b> (26 55 53 11-0113) Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.			
26 55 53 11-0176		<b>High Pressure Sodium CF Series Ruud Flood Lights</b> (26 55 53 11-0175)			
26 55 53 11-0177	EA	250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	693.55		125.35
26 55 53 11-0178	EA	400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	709.48		125.35
26 55 53 11-0179	EA	1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	1,075.05		139.28
26 55 53 11-0180		<b>Metal Halide CF Series Ruud Flood Lights</b> (26 55 53 11-0175)			
26 55 53 11-0181	EA	175 Watt Metal Halide CF Series Ruud Flood Light.....	658.51		125.35
26 55 53 11-0182	EA	250 Watt Metal Halide CF Series Ruud Flood Light.....	661.69		125.35
26 55 53 11-0183	EA	400 Watt Metal Halide CF Series Ruud Flood Light.....	671.25		125.35
26 55 53 11-0184	EA	1,000 Watt Metal Halide CF Series Ruud Flood Light.....	969.91		139.28
26 55 53 11-0185		<b>CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights</b> (26 55 53 11-0113) Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.			
26 55 53 11-0186		<b>High Pressure Sodium CN Series Ruud Flood Lights</b> (26 55 53 11-0185)			
26 55 53 11-0187	EA	400 High Pressure Sodium CN Series Ruud Flood Light.....	890.26		139.28
26 55 53 11-0188	EA	1,000 High Pressure Sodium CN Series Ruud Flood Light.....	1,055.93		139.28
26 55 53 11-0189		<b>Metal Halide CN Series Ruud Flood Lights</b> (26 55 53 11-0185)			
26 55 53 11-0190	EA	400 Watt Metal Halide CN Series Ruud Flood Light.....	852.03		139.28
26 55 53 11-0191	EA	1,000 Watt Metal Halide CN Series Ruud Flood Light.....	950.80		139.28
26 55 53 11-0192		<b>PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights</b> (26 55 53 11-0113) Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.			
26 55 53 11-0193		<b>High Pressure Sodium PM/PN Series Ruud Flood Lights</b> (26 55 53 11-0192)			
26 55 53 11-0194	EA	250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	715.86		125.35
26 55 53 11-0195	EA	400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	731.79		125.35
26 55 53 11-0196		<b>Metal Halide PM/PN Series Ruud Flood Lights</b> (26 55 53 11-0192)			
26 55 53 11-0197	EA	175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	680.81		125.35
26 55 53 11-0198	EA	250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	684.00		125.35
26 55 53 11-0199	EA	400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	693.55		125.35
26 55 53 11-0200	EA	1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	992.21		139.28
26 55 53 11-0201		<b>Accessories For Ruud Flood Lighting</b> (26 55 53 11-0113)			
26 55 53 11-0202	EA	Wireguard For Ruud Flood Light.....	79.61		27.86
26 55 53 11-0203	EA	Deep Baffle (Full Visor) For Ruud Flood Light.....	122.62		27.86
26 55 53 11-0204	EA	Glare Guard (Upper Visor) For Ruud Flood Light.....	90.76		27.86
26 55 53 11-0205	EA	Vandal Shield For Ruud Flood Light.....	106.69		27.86
26 55 53 11-0206	EA	Pipe Mounting Bracket For Ruud Flood Light.....	221.29		83.57
26 55 53 11-0207	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	70.05		27.86
26 55 53 11-0208		<b>Lumark Flood Lights</b> (26 55 53 11)			
26 55 53 11-0209		<b>QZ Wedge Series Quartz Lumark Flood Lights</b> (26 55 53 11-0208) Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.			
26 55 53 11-0210	EA	500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	199.71		83.57
26 55 53 11-0211		<b>LQL Series Quartz Lumark Flood Lights</b> (26 55 53 11-0208) Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.			
26 55 53 11-0212	EA	1,500 Watt LQL Series Quartz Lumark Flood Light.....	246.70		83.57
26 55 53 11-0213		<b>Kim Lighting</b> (26 55 53 11)			
26 55 53 11-0214		<b>MicroFlood® Series Kim Lighting Flood Lights</b> (26 55 53 11-0213) Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.			
26 55 53 11-0215		<b>LED MicroFlood® Series Kim Lighting Flood Lights</b> (26 55 53 11-0214)			
26 55 53 11-0216	EA	5 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	381.12		33.76
		For >50 To 100, Deduct	-11.22		
		For >100 To 250, Deduct	-20.74		
		For >250 To 500, Deduct	-38.11		
		For >500, Deduct	-55.48		
26 55 53 11-0217	EA	15 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	469.51		33.76
		For >50 To 100, Deduct	-13.43		
		For >100 To 250, Deduct	-25.16		
		For >250 To 500, Deduct	-46.95		
		For >500, Deduct	-68.74		

<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Special Purpose Lighting</b>	<b>26 55</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 11-0218	<b>Scarab® Series Kim Lighting Flood Lights</b> <small>(26 55 53 11-0213)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0219	<b>LED Scarab® Series Kim Lighting Accent Flood Lights</b> <small>(26 55 53 11-0218)</small> Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220	EA 6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	578.22 -16.14 -30.60 -57.82 -85.04	33.76
26 55 53 11-0221	<b>CREE® BetaLED® Flood Lights</b> <small>(26 55 53 11)</small>		
26 55 53 11-0222	<b>Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304)</b> <small>(26 55 53 11-0221)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223	EA 40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	900.12 -27.48 -49.98 -90.01 -130.04	99.52
26 55 53 11-0224	EA 60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	985.38 -29.89 -54.52 -98.54 -142.55	105.05
26 55 53 11-0225	<b>Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG)</b> <small>(26 55 53 11-0221)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0226	EA 20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)..... <i>For 480 Volt, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	782.87 74.30 -24.27 -43.84 -78.29 -112.73	94.00
26 55 53 11-0227	EA 40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)..... <i>For 480 Volt, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	981.99 74.30 -29.53 -54.08 -98.20 -142.32	99.52
26 55 53 11-0228	EA 60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)..... <i>For 480 Volt, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	1,181.11 74.30 -34.78 -64.31 -118.11 -171.91	105.05
26 55 53 11-0229	EA 80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)..... <i>For 480 Volt, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	1,455.71 74.30 -41.92 -78.31 -145.57 -212.83	110.59
26 55 53 11-0230	EA 100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)..... <i>For 480 Volt, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	1,654.83 74.30 -47.18 -88.55 -165.48 -242.42	116.11
26 55 53 11-0231	EA 120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)..... <i>For 480 Volt, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	1,853.94 74.30 -52.43 -98.78 -185.39 -272.01	121.65
26 55 53 11-0232	EA 140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)..... <i>For 480 Volt, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	2,113.19 74.30 -59.19 -112.02 -211.32 -310.62	127.17
26 55 53 11-0233	EA 160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)..... <i>For 480 Volt, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	2,312.31 74.30 -64.44 -122.25 -231.23 -340.21	132.70

**26 Electrical**  
**26 50 Lighting**  
**26 55 Special Purpose Lighting**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 55 53 11-0234	Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) <small>(26 55 53 11-0221)</small>		
	Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0235	EA 120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	1,778.46	121.65
	For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
	For Bird Spikes, Add	35.93	
	For 5,000K Color Temperature, Add	37.72	
	For Fuse, Add	45.26	
	For 0 To 10 Volt Dimming, Add	45.26	
	For 480 Volt, Add	67.90	
	For Multi-Level, Add	98.07	
	For 1,000mA Driver, Add	126.74	
	For >50 To 100, Deduct	-50.54	
	For >100 To 250, Deduct	-95.01	
	For >250 To 500, Deduct	-177.85	
	For >500, Deduct	-260.69	
26 55 53 11-0236	EA 240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	3,006.14	149.29
	For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
	For 5,000K Color Temperature, Add	37.72	
	For Fuse, Add	45.26	
	For 0 To 10 Volt Dimming, Add	45.26	
	For Bird Spikes, Add	52.96	
	For Multi-Level, Add	98.07	
	For 1,000mA Driver, Add	126.74	
	For 480 Volt, Add	135.79	
	For >50 To 100, Deduct	-82.62	
	For >100 To 250, Deduct	-157.77	
	For >250 To 500, Deduct	-300.61	
	For >500, Deduct	-443.46	
26 55 53 11-0237	Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) <small>(26 55 53 11-0221)</small>		
	Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0238	EA 112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL).....	1,051.27	121.65
	For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
	For Front Facing Optics, Back Light Shield, Add	28.00	
	For Rotated Optics, Back Light Shield, Add	28.00	
	For Field Adjustable Output, Add	22.64	
	For Fuse, Add	45.26	
	For 0 To 10 Volt Dimming, Add	45.26	
	For Multi-Level, Add	98.07	
	For >50 To 100, Deduct	-32.36	
	For >100 To 250, Deduct	-58.65	
	For >250 To 500, Deduct	-105.13	
	For >500, Deduct	-151.61	
26 55 53 11-0239	EA 168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL).....	1,122.57	121.65
	Note: Type III, IV or V medium optics only.		
	For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
	For Front Facing Optics, Back Light Shield, Add	28.00	
	For Rotated Optics, Back Light Shield, Add	28.00	
	For Field Adjustable Output, Add	22.64	
	For Fuse, Add	45.26	
	For 0 To 10 Volt Dimming, Add	45.26	
	For Type II Medium Or Type V Short Optics, Add	218.25	
	For Multi-Level, Add	98.07	
	For >50 To 100, Deduct	-34.15	
	For >100 To 250, Deduct	-62.21	
	For >250 To 500, Deduct	-112.26	
	For >500, Deduct	-162.30	
26 55 53 11-0240	EA 223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL).....	1,439.26	149.29
	For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
	For Field Adjustable Output, Add	22.64	
	For Front Facing Optics, Back Light Shield, Add	33.94	
	For Rotated Optics, Back Light Shield, Add	33.94	
	For Fuse, Add	45.26	
	For 0 To 10 Volt Dimming, Add	45.26	
	For Multi-Level, Add	98.07	
	For >50 To 100, Deduct	-43.45	
	For >100 To 250, Deduct	-79.43	
	For >250 To 500, Deduct	-143.93	
	For >500, Deduct	-208.42	
26 55 53 11-0241	PlanLED Flood Lights <small>(26 55 53 11)</small>		
26 55 53 11-0242	Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) <small>(26 55 53 11-0241)</small>		
26 55 53 11-0243	EA 6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050).....	484.76	99.52
	For >50 To 100, Deduct	-17.10	
	For >100 To 250, Deduct	-29.21	
	For >250 To 500, Deduct	-48.48	
	For >500, Deduct	-67.74	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 55 53 11-0244	EA		9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075) .....576.40		105.05
				<i>For &gt;50 To 100, Deduct</i>	-19.66	
				<i>For &gt;100 To 250, Deduct</i>	-34.07	
				<i>For &gt;250 To 500, Deduct</i>	-57.64	
				<i>For &gt;500, Deduct</i>	-81.21	
	26 55 53 11-0245	EA		12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100) .....663.32		113.35
				<i>For &gt;50 To 100, Deduct</i>	-22.25	
				<i>For &gt;100 To 250, Deduct</i>	-38.83	
				<i>For &gt;250 To 500, Deduct</i>	-66.33	
				<i>For &gt;500, Deduct</i>	-93.83	
	<b>26 55 53 11-0246</b>			<b>Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) <small>(26 55 53 11-0241)</small></b>		
	26 55 53 11-0247	EA		21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200).....1,343.42		221.17
				<i>For 0 To 10 Volt Dimming, Add</i>	62.75	
				<i>For &gt;50 To 100, Deduct</i>	-44.64	
				<i>For &gt;100 To 250, Deduct</i>	-78.23	
				<i>For &gt;250 To 500, Deduct</i>	-134.34	
				<i>For &gt;500, Deduct</i>	-190.45	
	26 55 53 11-0248	EA		42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400).....2,054.03		221.17
				<i>For 0 To 10 Volt Dimming, Add</i>	62.75	
				<i>For &gt;50 To 100, Deduct</i>	-62.41	
				<i>For &gt;100 To 250, Deduct</i>	-113.76	
				<i>For &gt;250 To 500, Deduct</i>	-205.40	
				<i>For &gt;500, Deduct</i>	-297.05	
	26 55 53 11-0249	EA		84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800).....3,583.66		221.17
				<i>For 0 To 10 Volt Dimming, Add</i>	62.75	
				<i>For &gt;50 To 100, Deduct</i>	-100.65	
				<i>For &gt;100 To 250, Deduct</i>	-190.24	
				<i>For &gt;250 To 500, Deduct</i>	-358.37	
				<i>For &gt;500, Deduct</i>	-526.49	
	<b>26 55 53 11-0250</b>			<b>Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) <small>(26 55 53 11-0241)</small></b>		
	26 55 53 11-0251	EA		26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200) .....1,176.88		143.76
				<i>For 0 To 10 Volt Dimming, Add</i>	62.75	
				<i>For 480 Volt, Add</i>	-24.89	
				<i>For &gt;50 To 100, Deduct</i>	-36.61	
				<i>For &gt;100 To 250, Deduct</i>	-66.03	
				<i>For &gt;250 To 500, Deduct</i>	-117.69	
				<i>For &gt;500, Deduct</i>	-169.34	
	26 55 53 11-0252	EA		39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300) .....1,498.54		149.29
				<i>For 0 To 10 Volt Dimming, Add</i>	62.75	
				<i>For 480 Volt, Add</i>	75.66	
				<i>For &gt;50 To 100, Deduct</i>	-44.93	
				<i>For &gt;100 To 250, Deduct</i>	-82.39	
				<i>For &gt;250 To 500, Deduct</i>	-149.85	
				<i>For &gt;500, Deduct</i>	-217.32	
	26 55 53 11-0253	EA		52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400) .....1,903.74		154.82
				<i>For 0 To 10 Volt Dimming, Add</i>	62.75	
				<i>For 480 Volt, Add</i>	60.73	
				<i>For &gt;50 To 100, Deduct</i>	-55.33	
				<i>For &gt;100 To 250, Deduct</i>	-102.93	
				<i>For &gt;250 To 500, Deduct</i>	-190.37	
				<i>For &gt;500, Deduct</i>	-277.82	
	<b>26 55 53 12</b>			<b>Security Hazardous Location Flood Lights <small>(26 55 53)</small></b>		
				Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.		
	26 55 53 12-0001			<b>Lithonia Hazardous Location Flood Lights <small>(26 55 53 12)</small></b>		
	26 55 53 12-0002			<b>HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small></b>		
				Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
	26 55 53 12-0003			<b>High Pressure Sodium HFR Series Hazardous Location Flood Lights <small>(26 55 53 12-0002)</small></b>		
	26 55 53 12-0004	EA		150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....749.03		111.42
	26 55 53 12-0005	EA		250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....798.42		111.42
	26 55 53 12-0006	EA		400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....750.63		111.42
	26 55 53 12-0007			<b>Metal Halide HFR Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0002)</small></b>		
	26 55 53 12-0008	EA		250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....793.14		111.42
	26 55 53 12-0009	EA		400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....769.74		111.42
	26 55 53 12-0010			<b>HFM (Medium Base) Series Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small></b>		
				Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
	26 55 53 12-0011			<b>High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0010)</small></b>		
	26 55 53 12-0012	EA		100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....715.09		111.42

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 55 53 12-0013	EA	150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	744.56		111.42
<b>26 55 53 12-0014</b>		<b>Metal Halide HFM Series Lithonia Hazardous Location Flood Lights</b> (26 55 53 12-0010)			
26 55 53 12-0015	EA	175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	635.44		111.42
<b>26 55 53 12-0016</b>		<b>HFA (Large) Series Hazardous Location Flood Lights</b> (26 55 53 12-0001)			
Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.					
<b>26 55 53 12-0017</b>		<b>High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights</b> (26 55 53 12-0016)			
26 55 53 12-0018	EA	250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,006.55		139.28
26 55 53 12-0019	EA	400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,020.89		139.28
<b>26 55 53 12-0020</b>		<b>Metal Halide HFA Series Lithonia Hazardous Location Flood Lights</b> (26 55 53 12-0016)			
26 55 53 12-0021	EA	250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,001.77		139.28
26 55 53 12-0022	EA	400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,020.89		139.28
<b>26 55 53 12-0023</b>		<b>HFL (Medium) Series Hazardous Location Flood Lights</b> (26 55 53 12-0001)			
Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.					
<b>26 55 53 12-0024</b>		<b>High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights</b> (26 55 53 12-0023)			
26 55 53 12-0025	EA	400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	752.50		125.35
<b>26 55 53 12-0026</b>		<b>Metal Halide HFL Series Lithonia Hazardous Location Flood Lights</b> (26 55 53 12-0023)			
26 55 53 12-0027	EA	400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	808.25		125.35
<b>26 55 53 12-0028</b>		<b>Accessories For Lithonia Hazardous Location Flood Lights</b> (26 55 53 12-0001)			
See CSI section 26 55 53 11-0099 for accessories.					
<b>26 55 53 13</b>		<b>Security High Performance Flood Lights</b> (26 55 53)			
Note: For airport aprons and parking areas.					
<b>26 55 53 13-0001</b>		<b>Lithonia High Performance Flood Lights</b> (26 55 53 13)			
<b>26 55 53 13-0002</b>		<b>170S Series Lithonia High Performance Flood Lights</b> (26 55 53 13-0001)			
Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.					
<b>26 55 53 13-0003</b>		<b>High Pressure Sodium 170S Series Lithonia High Performance Flood Lights</b> (26 55 53 13-0002)			
26 55 53 13-0004	EA	250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light.....	1,718.58		167.13
26 55 53 13-0005	EA	400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light.....	1,849.20		167.13
26 55 53 13-0006	EA	750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light.....	1,855.58		167.13
26 55 53 13-0007	EA	1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light.....	2,054.70		167.13
<b>26 55 53 13-0008</b>		<b>Metal Halide 170S Series Lithonia High Performance Flood Lights</b> (26 55 53 13-0002)			
26 55 53 13-0009	EA	320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light.....	1,971.86		167.13
26 55 53 13-0010	EA	350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light.....	1,883.53		167.13
26 55 53 13-0011	EA	400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light.....	1,799.82		167.13
26 55 53 13-0012	EA	1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light.....	1,882.66		167.13
<b>26 55 53 13-0013</b>		<b>Accessories For Lithonia High Performance Flood Lights</b> (26 55 53 13-0002)			
See CSI section 26 55 53 11-0099 for accessories.					
<b>26 55 61</b>		<b>Theatrical Lighting</b> (26 55)			
<b>26 55 61 00-0001</b>		<b>Stage Lighting</b> (26 55 61)			
26 55 61 00-0002	EA	Ellipsoidal Spotlight, Two 6" x 9" Lenses.....	467.43		116.95
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.					
26 55 61 00-0003	EA	Ellipsoidal Spotlight, Two 6" x 12" Lenses.....	467.43		116.95
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.					
26 55 61 00-0004	EA	Ellipsoidal Spotlight, Two 6" x 16" Lenses.....	467.43		116.95
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.					
26 55 61 00-0005	EA	Ellipsoidal Spotlight, 15-30 Degree Zoom (Strand #11411).....	918.58		116.95
26 55 61 00-0006	EA	14" Scoop Floodlight Altman #SC14.....	481.47		116.95
26 55 61 00-0007	EA	6" Diameter Fresnel Spotlight, Spherical Specular Alzak.....	335.56		116.95
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.					
26 55 61 00-0008	EA	8" Diameter Fresnel Spotlight, Spherical Specular Alzak.....	538.49		116.95
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.					
26 55 61 00-0009	EA	6" Diameter, 1000 Watt Fresnel Spotlight (Strand #12081).....	820.36		116.95



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 61 00-0010	EA		Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	1,580.96	116.95
26 55 61 00-0011	EA		Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	1,900.37	116.95
26 55 61 00-0012	EA		1000 Watt Follow Spotlight With Stand Altman 1000Q	2,530.40	116.95
26 55 61 00-0013	EA		PAR 64 Can Lighting With 20 Gauge Sheet Steel Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.	285.67	116.95
26 55 61 00-0014	LF		300 Watt Borderlight Sections Note: With continuous 5-3/4" x 6-3/4" housing, supported by wired on 3 or 4 circuits. Altman R40.	168.33	19.52
26 55 61 00-0015	EA		Dimmer Rack, Strand # CD80 SV	10,143.36	175.86
26 55 61 00-0016	EA		Control Modules, 12x2.4W Twist Lock Out Strand # CD-80, 73210	5,702.66	87.93
26 55 61 00-0017	EA		Control Modules, 12x2.4W Stage Pin Out Strand # CD-80, 73211	5,346.56	87.93
26 55 61 00-0018	EA		Control Modules, 12x2.4W Terminal Strip Out Strand # CD-80, 73214	5,792.64	87.93
26 55 61 00-0019	EA		Control Modules, 6x6 W Terminal Strip Out Strand # CD-80, 73224	5,773.36	87.93
26 55 61 00-0020	EA		Dimmer Modules, 2x2.4 W Dimmer Module Strand # CD-80, 3-081060010 Or 73214	730.93	43.97
26 55 61 00-0021	EA		Entrance Station Strand # 63021	632.71	43.97
26 55 61 00-0022	EA		Stage Manager Panel Strand # 63030	1,301.37	87.93
26 55 61 00-0023	EA		Control Console, Mantrix MX 24 Strand # 64125	4,630.19	175.86
26 55 61 00-0024	EA		6' Long Borderlight Sections Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.	935.62	116.95
26 55 61 00-0025	EA		1,000 Watt, 25 To 125' Throw, Follow Spotlight (Times Square Lighting QF1000S)	2,046.40	116.95

**26 55 68 Athletic Field Lighting (26 55)**

26 55 68 00-0001 Sports Lighting System (26 55 68)  
Note: Musco.

26 55 68 00-0002 Round Steel Tapered Poles (26 55 68 00-0001)  
Note: With Internal wiring harness.

26 55 68 00-0003	EA		20' Steel Tapered Pole With Precast Concrete Foundation Sleeve	2,981.47	534.83
26 55 68 00-0004	EA		25' Steel Tapered Pole With Precast Concrete Foundation Sleeve	3,588.16	646.24
26 55 68 00-0005	EA		30' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,038.86	701.96
26 55 68 00-0006	EA		35' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,409.07	729.82
26 55 68 00-0007	EA		40' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,499.95	757.66
26 55 68 00-0008	EA		45' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,322.96	924.80
26 55 68 00-0009	EA		50' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,792.24	980.51
26 55 68 00-0010	EA		55' Steel Tapered Pole With Precast Concrete Foundation Sleeve	7,715.75	1,114.22
26 55 68 00-0011	EA		60' Steel Tapered Pole With Precast Concrete Foundation Sleeve	8,757.76	1,253.50
26 55 68 00-0012	EA		65' Steel Tapered Pole With Precast Concrete Foundation Sleeve	9,637.72	1,359.47
26 55 68 00-0013	EA		70' Steel Tapered Pole With Precast Concrete Foundation Sleeve	10,518.26	1,519.40
26 55 68 00-0014	EA		75' Steel Tapered Pole With Precast Concrete Foundation Sleeve	11,475.97	1,705.99
26 55 68 00-0015	EA		80' Steel Tapered Pole With Precast Concrete Foundation Sleeve	12,896.69	2,052.53

26 55 68 00-0016 Steel Pole Brackets (26 55 68 00-0001)

26 55 68 00-0017	EA		Two Light Bracket	441.52	55.71
26 55 68 00-0018	EA		Three Light Bracket	556.26	78.00
26 55 68 00-0019	EA		Four Light Bracket	799.59	94.71
26 55 68 00-0020	EA		Five Light Bracket	911.84	111.42
26 55 68 00-0021	EA		Six Light Bracket	1,105.19	128.14
26 55 68 00-0022	EA		Seven Light Bracket	1,265.44	144.85
26 55 68 00-0023	EA		Eight Light Bracket	1,446.44	167.13
26 55 68 00-0024	EA		Nine Light Bracket	1,633.72	183.84

26 55 68 00-0025 Light Fixtures (26 55 68 00-0001)

26 55 68 00-0026	EA		120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug For 1,500 Watt Metal Halide Lamp, Add	1,355.11 10.46	
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26 55 68 00-0027 Electrical Component Enclosure (26 55 68 00-0001)

Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.					
26 55 68 00-0028	EA		Electrical Component Enclosure For 2 Lights, Pole Mounted	715.92	62.57
26 55 68 00-0029	EA		Electrical Component Enclosure For 3 Lights, Pole Mounted	1,074.76	96.26
26 55 68 00-0030	EA		Electrical Component Enclosure For 4 Lights, Pole Mounted	1,232.72	120.32
26 55 68 00-0031	EA		Electrical Component Enclosure For 5 Lights, Pole Mounted	1,592.87	134.77
26 55 68 00-0032	EA		Electrical Component Enclosure For 6 Lights, Pole Mounted	1,790.24	144.39

26 55 68 00-0033 Accessories (26 55 68 00-0001)

26 55 68 00-0034	EA		Time Delay Kit (Musco®)	754.55	192.92
26 55 68 00-0035	EA		Remote Switch Box Push Button (Musco®)	1,491.99	192.92
26 55 68 00-0036	EA		Push Button Strobe Kit (Musco®)	1,786.96	192.92
26 55 68 00-0037	EA		Additional Control-Link Unit (Musco®)	8,531.89	578.76
26 55 68 00-0038	EA		Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®)	929.97	96.26
26 55 68 00-0039	EA		Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®)	1,122.48	192.53

**26 55 70 Healthcare Lighting (26 55)**

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 55 70 00-0001		<b>Surgical Lighting Fixtures</b> <small>(26 55 70)</small>			
26 55 70 00-0002	EA	Surgical Lighting Fixture, 120 Volt, Max Va 126, 100 Volt Halogen .....	4,148.24		
26 55 70 00-0003	EA	Install Owner Furnished Surgical Lights .....	564.49		
26 55 70 00-0004		<b>Patient Care Fluorescent Fixtures</b> <small>(26 55 70)</small>			
26 55 70 00-0005		<b>Ambient And Exam Combination, Patient Care Fluorescent Fixtures</b> <b>(Cooper Fail-Safe)</b> <small>(26 55 70 00-0004)</small>			
		Note: Includes ambient and exam lights, 20 gauge steel housing with powder coated finish, acrylic diffuser and electronic ballast.			
26 55 70 00-0006	EA	2' x 2', 3 T8 Ambient Lamps, 2 T8 Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MAE).....	1,018.13	44.28	
26 55 70 00-0007	EA	2' x 4', 3 T8 Ambient Lamps, 2 T8 Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MAE).....	1,123.18	44.28	
26 55 70 00-0008	EA	2' x 4', 2 Biax Ambient Lamps, 4 Biax Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MPR2).....	914.70	44.28	
26 55 70 00-0009		<b>Reading, Ambient And Exam Combination, Patient Care Fluorescent</b> <b>Fixtures (Cooper Fail-Safe)</b> <small>(26 55 70 00-0004)</small>			
		Note: Includes reading, ambient and exam lights, 20 gauge steel housing with powder coated finish, acrylic diffuser and electronic ballast.			
26 55 70 00-0010	EA	2' x 4', 1 Biax Reading Lamp, 2 Biax Ambient Lamps, 3 Biax Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MPR).....	1,010.20	44.28	
26 55 70 00-0011		<b>Multi-Function Patient Care Fluorescent Fixtures (Day-Brite MPC)</b> <small>(26 55 70 00-0004)</small>			
		Note: Includes reading, ambient, exam and nurses light, steel housing with baked enamel finish, acrylic diffuser and electronic ballasts.			
26 55 70 00-0012	EA	2' x 4', 6 40W T5 Lamps, Multi-Function Patient Care Fluorescent Fixture (Day-Brite MPC).....	1,529.37	44.28	
26 56		<b>Exterior Lighting</b> <small>(26 50)</small>			
26 56 13		<b>Lighting Poles and Standards</b> <small>(26 56)</small>			
26 56 13 00-0001		<b>Poles And Standards</b> <small>(26 56 13)</small>			
		See CSI section 26 05 46 00-0001 for additional pole.			
26 56 13 00-0002		<b>Roadway Light Poles</b> <small>(26 56 13 00-0001)</small>			
		Note: Excludes lighting fixtures.			
26 56 13 00-0003		<b>Steel Roadway Light Poles</b> <small>(26 56 13 00-0002)</small>			
		Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).			
26 56 13 00-0004		<b>Round Tapered, Steel Roadway Light Poles</b> <small>(26 56 13 00-0003)</small>			
26 56 13 00-0005		<b>Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms</b> <small>(26 56 13 00-0004)</small>			
26 56 13 00-0006		<b>Round Tapered, Steel Roadway Light Poles With Single Upsweep Style</b> <b>Arm</b> <small>(26 56 13 00-0005)</small>			
26 56 13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base .....	3,890.88	334.26	
		For Galvanized Finish, Add .....	96.67		
		For >10 To 20, Deduct .....	-97.27		
		For >20 To 40, Deduct .....	-194.54		
		For >40, Deduct .....	-308.53		
26 56 13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base .....	3,898.84	334.26	
		For Galvanized Finish, Add .....	96.91		
		For >10 To 20, Deduct .....	-97.47		
		For >20 To 40, Deduct .....	-194.94		
		For >40, Deduct .....	-309.13		
26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base .....	4,168.88	445.68	
		For Galvanized Finish, Add .....	98.33		
		For >10 To 20, Deduct .....	-104.22		
		For >20 To 40, Deduct .....	-208.44		
		For >40, Deduct .....	-334.95		
26 56 13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base .....	4,264.65	445.68	
		For Galvanized Finish, Add .....	101.20		
		For >10 To 20, Deduct .....	-106.62		
		For >20 To 40, Deduct .....	-213.23		
		For >40, Deduct .....	-342.13		
26 56 13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base .....	4,360.42	445.68	
		For Galvanized Finish, Add .....	104.07		
		For >10 To 20, Deduct .....	-109.01		
		For >20 To 40, Deduct .....	-218.02		
		For >40, Deduct .....	-349.32		
26 56 13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base .....	4,492.00	501.40	
		For Galvanized Finish, Add .....	104.68		
		For >10 To 20, Deduct .....	-112.30		
		For >20 To 40, Deduct .....	-224.60		
		For >40, Deduct .....	-361.97		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0013	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,537.42	501.40
			For Galvanized Finish, Add	106.04	
			For >10 To 20, Deduct	-113.44	
			For >20 To 40, Deduct	-226.87	
			For >40, Deduct	-365.38	
26 56 13 00-0014	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,546.06	501.40
			For Galvanized Finish, Add	106.30	
			For >10 To 20, Deduct	-113.65	
			For >20 To 40, Deduct	-227.30	
			For >40, Deduct	-366.02	
26 56 13 00-0015	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,763.00	529.25
			For Galvanized Finish, Add	111.13	
			For >10 To 20, Deduct	-119.08	
			For >20 To 40, Deduct	-238.15	
			For >40, Deduct	-383.69	
26 56 13 00-0016	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,797.30	529.25
			For Galvanized Finish, Add	112.16	
			For >10 To 20, Deduct	-119.93	
			For >20 To 40, Deduct	-239.87	
			For >40, Deduct	-386.26	
26 56 13 00-0017	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,834.75	529.25
			For Galvanized Finish, Add	113.29	
			For >10 To 20, Deduct	-120.87	
			For >20 To 40, Deduct	-241.74	
			For >40, Deduct	-389.07	
26 56 13 00-0018	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	5,561.39	557.11
			For Galvanized Finish, Add	133.42	
			For >10 To 20, Deduct	-139.03	
			For >20 To 40, Deduct	-278.07	
			For >40, Deduct	-444.96	
26 56 13 00-0019	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	5,573.60	557.11
			For Galvanized Finish, Add	133.78	
			For >10 To 20, Deduct	-139.34	
			For >20 To 40, Deduct	-278.68	
			For >40, Deduct	-445.88	
26 56 13 00-0020	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	5,585.67	557.11
			For Galvanized Finish, Add	134.14	
			For >10 To 20, Deduct	-139.64	
			For >20 To 40, Deduct	-279.28	
			For >40, Deduct	-446.78	
26 56 13 00-0021			<b>Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms</b>		
			<small>(26 56 13 00-0005)</small>		
26 56 13 00-0022	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,871.50	389.98
			For Galvanized Finish, Add	122.75	
			For >10 To 20, Deduct	-121.79	
			For >20 To 40, Deduct	-243.58	
			For >40, Deduct	-384.86	
26 56 13 00-0023	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,950.51	403.90
			For Galvanized Finish, Add	124.28	
			For >10 To 20, Deduct	-123.76	
			For >20 To 40, Deduct	-247.53	
			For >40, Deduct	-391.48	
26 56 13 00-0024	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,016.93	417.84
			For Galvanized Finish, Add	125.44	
			For >10 To 20, Deduct	-125.42	
			For >20 To 40, Deduct	-250.85	
			For >40, Deduct	-397.16	
26 56 13 00-0025	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,762.57	501.40
			For Galvanized Finish, Add	112.79	
			For >10 To 20, Deduct	-119.06	
			For >20 To 40, Deduct	-238.13	
			For >40, Deduct	-382.26	
26 56 13 00-0026	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,810.74	515.33
			For Galvanized Finish, Add	113.40	
			For >10 To 20, Deduct	-120.27	
			For >20 To 40, Deduct	-240.54	
			For >40, Deduct	-386.57	
26 56 13 00-0027	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,846.83	529.25
			For Galvanized Finish, Add	113.65	
			For >10 To 20, Deduct	-121.17	
			For >20 To 40, Deduct	-242.34	
			For >40, Deduct	-389.98	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base .....	5,124.81	557.11
		<i>For Galvanized Finish, Add</i> .....	120.32	
		<i>For &gt;10 To 20, Deduct</i> .....	-128.12	
		<i>For &gt;20 To 40, Deduct</i> .....	-256.24	
		<i>For &gt;40, Deduct</i> .....	-412.22	
26 56 13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base .....	5,165.01	571.03
		<i>For Galvanized Finish, Add</i> .....	120.69	
		<i>For &gt;10 To 20, Deduct</i> .....	-129.13	
		<i>For &gt;20 To 40, Deduct</i> .....	-258.25	
		<i>For &gt;40, Deduct</i> .....	-415.93	
26 56 13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base .....	5,200.68	584.97
		<i>For Galvanized Finish, Add</i> .....	120.92	
		<i>For &gt;10 To 20, Deduct</i> .....	-130.02	
		<i>For &gt;20 To 40, Deduct</i> .....	-260.03	
		<i>For &gt;40, Deduct</i> .....	-419.30	
26 56 13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base .....	5,443.25	584.97
		<i>For Galvanized Finish, Add</i> .....	128.20	
		<i>For &gt;10 To 20, Deduct</i> .....	-136.08	
		<i>For &gt;20 To 40, Deduct</i> .....	-272.16	
		<i>For &gt;40, Deduct</i> .....	-437.49	
26 56 13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base .....	5,524.21	598.89
		<i>For Galvanized Finish, Add</i> .....	129.79	
		<i>For &gt;10 To 20, Deduct</i> .....	-138.11	
		<i>For &gt;20 To 40, Deduct</i> .....	-276.21	
		<i>For &gt;40, Deduct</i> .....	-444.26	
26 56 13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base .....	5,602.42	612.82
		<i>For Galvanized Finish, Add</i> .....	131.30	
		<i>For &gt;10 To 20, Deduct</i> .....	-140.06	
		<i>For &gt;20 To 40, Deduct</i> .....	-280.12	
		<i>For &gt;40, Deduct</i> .....	-450.82	
26 56 13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base .....	6,194.45	612.82
		<i>For Galvanized Finish, Add</i> .....	149.06	
		<i>For &gt;10 To 20, Deduct</i> .....	-154.86	
		<i>For &gt;20 To 40, Deduct</i> .....	-309.72	
		<i>For &gt;40, Deduct</i> .....	-495.22	
26 56 13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base .....	6,230.27	626.75
		<i>For Galvanized Finish, Add</i> .....	149.30	
		<i>For &gt;10 To 20, Deduct</i> .....	-155.76	
		<i>For &gt;20 To 40, Deduct</i> .....	-311.51	
		<i>For &gt;40, Deduct</i> .....	-498.61	
26 56 13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base .....	6,266.35	640.67
		<i>For Galvanized Finish, Add</i> .....	149.55	
		<i>For &gt;10 To 20, Deduct</i> .....	-156.66	
		<i>For &gt;20 To 40, Deduct</i> .....	-313.32	
		<i>For &gt;40, Deduct</i> .....	-502.01	
26 56 13 00-0037		<b>Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms</b> <small>(26 56 13 00-0005)</small>		
26 56 13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base .....	5,626.15	557.11
		<i>For Galvanized Finish, Add</i> .....	135.36	
		<i>For &gt;10 To 20, Deduct</i> .....	-140.65	
		<i>For &gt;20 To 40, Deduct</i> .....	-281.31	
		<i>For &gt;40, Deduct</i> .....	-449.82	
26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base .....	5,689.94	584.97
		<i>For Galvanized Finish, Add</i> .....	135.60	
		<i>For &gt;10 To 20, Deduct</i> .....	-142.25	
		<i>For &gt;20 To 40, Deduct</i> .....	-284.50	
		<i>For &gt;40, Deduct</i> .....	-455.99	
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base .....	5,765.83	612.82
		<i>For Galvanized Finish, Add</i> .....	136.21	
		<i>For &gt;10 To 20, Deduct</i> .....	-144.15	
		<i>For &gt;20 To 40, Deduct</i> .....	-288.29	
		<i>For &gt;40, Deduct</i> .....	-463.08	
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base .....	5,939.80	612.82
		<i>For Galvanized Finish, Add</i> .....	141.42	
		<i>For &gt;10 To 20, Deduct</i> .....	-148.50	
		<i>For &gt;20 To 40, Deduct</i> .....	-296.99	
		<i>For &gt;40, Deduct</i> .....	-476.13	
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base .....	6,007.45	640.67
		<i>For Galvanized Finish, Add</i> .....	141.78	
		<i>For &gt;10 To 20, Deduct</i> .....	-150.19	
		<i>For &gt;20 To 40, Deduct</i> .....	-300.37	
		<i>For &gt;40, Deduct</i> .....	-482.59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0043 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	6,071.26 142.03 -151.78 -303.56 -488.77	668.53
26 56 13 00-0044 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	6,326.72 151.36 -158.17 -316.34 -506.54	640.67
26 56 13 00-0045 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	6,390.53 151.60 -159.76 -319.53 -512.72	668.53
26 56 13 00-0046 EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	6,454.33 151.85 -161.36 -322.72 -518.89	696.39
26 56 13 00-0047 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	6,827.52 164.71 -170.69 -341.38 -545.49	668.53
26 56 13 00-0048 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	6,890.91 164.94 -172.27 -344.55 -551.64	696.39
26 56 13 00-0049 EA 40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	6,962.81 165.43 -174.07 -348.14 -558.42	724.24
<b>26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms</b> <small>(26 56 13 00-0005)</small>		
26 56 13 00-0051 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	6,263.19 151.13 -156.58 -313.16 -500.38	612.82
26 56 13 00-0052 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	6,358.84 151.49 -158.97 -317.94 -509.64	654.60
26 56 13 00-0053 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	6,450.35 151.73 -161.26 -322.52 -518.60	696.39
26 56 13 00-0054 EA 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	6,626.38 158.68 -165.66 -331.32 -530.41	668.53
26 56 13 00-0055 EA 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	6,718.46 158.93 -167.96 -335.92 -539.40	710.31
26 56 13 00-0056 EA 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	6,763.87 157.79 -169.10 -338.19 -544.90	752.10
26 56 13 00-0057 EA 35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	7,141.58 172.46 -178.54 -357.08 -570.44	696.39

## 26 Electrical

## 26 50 Lighting

## 26 56 Exterior Lighting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0058	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base .....	7,288.27	738.17
			<i>For Galvanized Finish, Add</i> .....	174.36	
			<i>For &gt;10 To 20, Deduct</i> .....	-182.21	
			<i>For &gt;20 To 40, Deduct</i> .....	-364.41	
			<i>For &gt;40, Deduct</i> .....	-583.53	
26 56 13 00-0059	EA		35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base .....	7,329.16	779.96
			<i>For Galvanized Finish, Add</i> .....	173.08	
			<i>For &gt;10 To 20, Deduct</i> .....	-183.23	
			<i>For &gt;20 To 40, Deduct</i> .....	-366.46	
			<i>For &gt;40, Deduct</i> .....	-588.68	
26 56 13 00-0060	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base .....	7,460.18	724.24
			<i>For Galvanized Finish, Add</i> .....	180.35	
			<i>For &gt;10 To 20, Deduct</i> .....	-186.50	
			<i>For &gt;20 To 40, Deduct</i> .....	-373.01	
			<i>For &gt;40, Deduct</i> .....	-595.73	
26 56 13 00-0061	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base .....	7,551.70	766.02
			<i>For Galvanized Finish, Add</i> .....	180.59	
			<i>For &gt;10 To 20, Deduct</i> .....	-188.79	
			<i>For &gt;20 To 40, Deduct</i> .....	-377.59	
			<i>For &gt;40, Deduct</i> .....	-604.68	
26 56 13 00-0062	EA		40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base .....	7,647.35	807.80
			<i>For Galvanized Finish, Add</i> .....	180.95	
			<i>For &gt;10 To 20, Deduct</i> .....	-191.18	
			<i>For &gt;20 To 40, Deduct</i> .....	-382.37	
			<i>For &gt;40, Deduct</i> .....	-613.94	
26 56 13 00-0063			Round Tapered, Steel Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0004)</small>		
26 56 13 00-0064			Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0063)</small>		
26 56 13 00-0065	EA		25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base .....	4,465.24	445.68
			<i>For Galvanized Finish, Add</i> .....	107.22	
			<i>For &gt;10 To 20, Deduct</i> .....	-111.63	
			<i>For &gt;20 To 40, Deduct</i> .....	-223.26	
			<i>For &gt;40, Deduct</i> .....	-357.18	
26 56 13 00-0066	EA		30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base .....	5,055.64	501.40
			<i>For Galvanized Finish, Add</i> .....	121.59	
			<i>For &gt;10 To 20, Deduct</i> .....	-126.39	
			<i>For &gt;20 To 40, Deduct</i> .....	-252.78	
			<i>For &gt;40, Deduct</i> .....	-404.24	
26 56 13 00-0067	EA		35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base .....	5,178.04	529.25
			<i>For Galvanized Finish, Add</i> .....	123.59	
			<i>For &gt;10 To 20, Deduct</i> .....	-129.45	
			<i>For &gt;20 To 40, Deduct</i> .....	-258.90	
			<i>For &gt;40, Deduct</i> .....	-414.82	
26 56 13 00-0068	EA		40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base .....	6,256.73	557.11
			<i>For Galvanized Finish, Add</i> .....	154.28	
			<i>For &gt;10 To 20, Deduct</i> .....	-156.42	
			<i>For &gt;20 To 40, Deduct</i> .....	-312.84	
			<i>For &gt;40, Deduct</i> .....	-497.11	
26 56 13 00-0069			Round Tapered, Steel Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0004)</small>		
26 56 13 00-0070			Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0069)</small>		
26 56 13 00-0071	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base .....	5,895.86	445.68
			<i>For Galvanized Finish, Add</i> .....	150.13	
			<i>For &gt;10 To 20, Deduct</i> .....	-147.40	
			<i>For &gt;20 To 40, Deduct</i> .....	-294.79	
			<i>For &gt;40, Deduct</i> .....	-464.47	
26 56 13 00-0072	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base .....	5,957.19	445.68
			<i>For Galvanized Finish, Add</i> .....	151.97	
			<i>For &gt;10 To 20, Deduct</i> .....	-148.93	
			<i>For &gt;20 To 40, Deduct</i> .....	-297.86	
			<i>For &gt;40, Deduct</i> .....	-469.07	
26 56 13 00-0073	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base .....	5,985.18	445.68
			<i>For Galvanized Finish, Add</i> .....	152.81	
			<i>For &gt;10 To 20, Deduct</i> .....	-149.63	
			<i>For &gt;20 To 40, Deduct</i> .....	-299.26	
			<i>For &gt;40, Deduct</i> .....	-471.17	
26 56 13 00-0074	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base .....	6,068.61	501.40
			<i>For Galvanized Finish, Add</i> .....	151.97	
			<i>For &gt;10 To 20, Deduct</i> .....	-151.72	
			<i>For &gt;20 To 40, Deduct</i> .....	-303.43	
			<i>For &gt;40, Deduct</i> .....	-480.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0075	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	6,079.31	501.40
			For Galvanized Finish, Add	152.30	
			For >10 To 20, Deduct	-151.98	
			For >20 To 40, Deduct	-303.97	
			For >40, Deduct	-481.02	
26 56 13 00-0076	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	6,189.89	501.40
			For Galvanized Finish, Add	155.61	
			For >10 To 20, Deduct	-154.75	
			For >20 To 40, Deduct	-309.49	
			For >40, Deduct	-489.31	
26 56 13 00-0077	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	6,160.69	529.25
			For Galvanized Finish, Add	153.07	
			For >10 To 20, Deduct	-154.02	
			For >20 To 40, Deduct	-308.03	
			For >40, Deduct	-488.51	
26 56 13 00-0078	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	6,225.45	529.25
			For Galvanized Finish, Add	155.01	
			For >10 To 20, Deduct	-155.64	
			For >20 To 40, Deduct	-311.27	
			For >40, Deduct	-493.37	
26 56 13 00-0079	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	6,565.02	529.25
			For Galvanized Finish, Add	165.20	
			For >10 To 20, Deduct	-164.13	
			For >20 To 40, Deduct	-328.25	
			For >40, Deduct	-518.84	
<b>26 56 13 00-0080</b>			<b>Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms</b> <small>(26 56 13 00-0080)</small>		
26 56 13 00-0081	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	7,750.33	557.11
			For Galvanized Finish, Add	199.08	
			For >10 To 20, Deduct	-193.76	
			For >20 To 40, Deduct	-387.52	
			For >40, Deduct	-609.13	
26 56 13 00-0082	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	7,864.75	584.97
			For Galvanized Finish, Add	200.84	
			For >10 To 20, Deduct	-196.62	
			For >20 To 40, Deduct	-393.24	
			For >40, Deduct	-619.10	
26 56 13 00-0083	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	8,150.97	612.82
			For Galvanized Finish, Add	207.76	
			For >10 To 20, Deduct	-203.77	
			For >20 To 40, Deduct	-407.55	
			For >40, Deduct	-641.96	
26 56 13 00-0084	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	7,827.72	612.82
			For Galvanized Finish, Add	198.06	
			For >10 To 20, Deduct	-195.69	
			For >20 To 40, Deduct	-391.39	
			For >40, Deduct	-617.72	
26 56 13 00-0085	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	8,186.79	640.67
			For Galvanized Finish, Add	207.16	
			For >10 To 20, Deduct	-204.67	
			For >20 To 40, Deduct	-409.34	
			For >40, Deduct	-646.04	
26 56 13 00-0086	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	8,391.77	668.53
			For Galvanized Finish, Add	211.64	
			For >10 To 20, Deduct	-209.79	
			For >20 To 40, Deduct	-419.59	
			For >40, Deduct	-662.81	
26 56 13 00-0087	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	8,052.88	640.67
			For Galvanized Finish, Add	203.15	
			For >10 To 20, Deduct	-201.32	
			For >20 To 40, Deduct	-402.64	
			For >40, Deduct	-636.00	
26 56 13 00-0088	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	8,541.33	668.53
			For Galvanized Finish, Add	216.13	
			For >10 To 20, Deduct	-213.53	
			For >20 To 40, Deduct	-427.07	
			For >40, Deduct	-674.03	
26 56 13 00-0089	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	8,819.30	696.39
			For Galvanized Finish, Add	222.80	
			For >10 To 20, Deduct	-220.48	
			For >20 To 40, Deduct	-440.97	
			For >40, Deduct	-696.27	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 56 13 00-0090		<b>Aluminum Roadway Light Poles</b> <small>(26 56 13 00-0002)</small> Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).			
26 56 13 00-0091		<b>Round Tapered, Aluminum Roadway Light Poles</b> <small>(26 56 13 00-0090)</small>			
26 56 13 00-0092		<b>Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms</b> <small>(26 56 13 00-0091)</small>			
26 56 13 00-0093		<b>Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm</b> <small>(26 56 13 00-0092)</small>			
26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base .....	2,577.00		334.26
		<i>For &gt;10 To 20, Deduct</i>	-64.43		
		<i>For &gt;20 To 40, Deduct</i>	-128.85		
		<i>For &gt;40, Deduct</i>	-209.99		
26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base .....	2,600.10		334.26
		<i>For &gt;10 To 20, Deduct</i>	-65.00		
		<i>For &gt;20 To 40, Deduct</i>	-130.01		
		<i>For &gt;40, Deduct</i>	-211.72		
26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base .....	3,148.56		445.68
		<i>For &gt;10 To 20, Deduct</i>	-78.71		
		<i>For &gt;20 To 40, Deduct</i>	-157.43		
		<i>For &gt;40, Deduct</i>	-258.43		
26 56 13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base .....	3,192.21		445.68
		<i>For &gt;10 To 20, Deduct</i>	-79.81		
		<i>For &gt;20 To 40, Deduct</i>	-159.61		
		<i>For &gt;40, Deduct</i>	-261.70		
26 56 13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base .....	3,232.36		445.68
		<i>For &gt;10 To 20, Deduct</i>	-80.81		
		<i>For &gt;20 To 40, Deduct</i>	-161.62		
		<i>For &gt;40, Deduct</i>	-264.71		
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base .....	3,617.13		501.40
		<i>For &gt;10 To 20, Deduct</i>	-90.43		
		<i>For &gt;20 To 40, Deduct</i>	-180.86		
		<i>For &gt;40, Deduct</i>	-296.35		
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base .....	3,653.96		501.40
		<i>For &gt;10 To 20, Deduct</i>	-91.35		
		<i>For &gt;20 To 40, Deduct</i>	-182.70		
		<i>For &gt;40, Deduct</i>	-299.12		
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base .....	3,695.15		501.40
		<i>For &gt;10 To 20, Deduct</i>	-92.38		
		<i>For &gt;20 To 40, Deduct</i>	-184.76		
		<i>For &gt;40, Deduct</i>	-302.21		
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base .....	4,255.54		529.25
		<i>For &gt;10 To 20, Deduct</i>	-106.39		
		<i>For &gt;20 To 40, Deduct</i>	-212.78		
		<i>For &gt;40, Deduct</i>	-345.63		
26 56 13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base .....	4,292.28		529.25
		<i>For &gt;10 To 20, Deduct</i>	-107.31		
		<i>For &gt;20 To 40, Deduct</i>	-214.61		
		<i>For &gt;40, Deduct</i>	-348.38		
26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base .....	4,323.05		529.25
		<i>For &gt;10 To 20, Deduct</i>	-108.08		
		<i>For &gt;20 To 40, Deduct</i>	-216.15		
		<i>For &gt;40, Deduct</i>	-350.69		
26 56 13 00-0105		<b>Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms</b> <small>(26 56 13 00-0092)</small>			
26 56 13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base .....	2,950.70		389.98
		<i>For &gt;10 To 20, Deduct</i>	-73.77		
		<i>For &gt;20 To 40, Deduct</i>	-147.54		
		<i>For &gt;40, Deduct</i>	-240.80		
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base .....	3,177.10		389.98
		<i>For &gt;10 To 20, Deduct</i>	-79.43		
		<i>For &gt;20 To 40, Deduct</i>	-158.86		
		<i>For &gt;40, Deduct</i>	-257.78		
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base .....	3,276.92		417.84
		<i>For &gt;10 To 20, Deduct</i>	-81.92		
		<i>For &gt;20 To 40, Deduct</i>	-163.85		
		<i>For &gt;40, Deduct</i>	-266.66		
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base .....	3,509.85		501.40
		<i>For &gt;10 To 20, Deduct</i>	-87.75		
		<i>For &gt;20 To 40, Deduct</i>	-175.49		
		<i>For &gt;40, Deduct</i>	-288.31		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0110	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base .....	3,681.82	515.33
			<i>For &gt;10 To 20, Deduct</i>	-92.05	
			<i>For &gt;20 To 40, Deduct</i>	-184.09	
			<i>For &gt;40, Deduct</i>	-301.90	
26 56 13 00-0111	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base .....	3,931.72	529.25
			<i>For &gt;10 To 20, Deduct</i>	-98.29	
			<i>For &gt;20 To 40, Deduct</i>	-196.59	
			<i>For &gt;40, Deduct</i>	-321.34	
26 56 13 00-0112	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base .....	4,057.78	557.11
			<i>For &gt;10 To 20, Deduct</i>	-101.44	
			<i>For &gt;20 To 40, Deduct</i>	-202.89	
			<i>For &gt;40, Deduct</i>	-332.19	
26 56 13 00-0113	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base .....	4,219.33	571.03
			<i>For &gt;10 To 20, Deduct</i>	-105.48	
			<i>For &gt;20 To 40, Deduct</i>	-210.97	
			<i>For &gt;40, Deduct</i>	-345.00	
26 56 13 00-0114	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base .....	4,417.42	584.97
			<i>For &gt;10 To 20, Deduct</i>	-110.44	
			<i>For &gt;20 To 40, Deduct</i>	-220.87	
			<i>For &gt;40, Deduct</i>	-360.55	
26 56 13 00-0115	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base .....	4,617.68	584.97
			<i>For &gt;10 To 20, Deduct</i>	-115.44	
			<i>For &gt;20 To 40, Deduct</i>	-230.88	
			<i>For &gt;40, Deduct</i>	-375.57	
26 56 13 00-0116	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base .....	5,062.34	598.89
			<i>For &gt;10 To 20, Deduct</i>	-126.56	
			<i>For &gt;20 To 40, Deduct</i>	-253.12	
			<i>For &gt;40, Deduct</i>	-409.62	
26 56 13 00-0117	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base .....	5,580.19	612.82
			<i>For &gt;10 To 20, Deduct</i>	-139.50	
			<i>For &gt;20 To 40, Deduct</i>	-279.01	
			<i>For &gt;40, Deduct</i>	-449.16	
<b>26 56 13 00-0118</b>			<b>Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms</b> <small>(26 56 13 00-0092)</small>		
26 56 13 00-0119	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base .....	3,426.56	445.68
			<i>For &gt;10 To 20, Deduct</i>	-85.66	
			<i>For &gt;20 To 40, Deduct</i>	-171.33	
			<i>For &gt;40, Deduct</i>	-279.28	
26 56 13 00-0120	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base .....	3,665.40	473.54
			<i>For &gt;10 To 20, Deduct</i>	-91.64	
			<i>For &gt;20 To 40, Deduct</i>	-183.27	
			<i>For &gt;40, Deduct</i>	-298.58	
26 56 13 00-0121	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base .....	4,162.03	557.11
			<i>For &gt;10 To 20, Deduct</i>	-104.05	
			<i>For &gt;20 To 40, Deduct</i>	-208.10	
			<i>For &gt;40, Deduct</i>	-340.01	
26 56 13 00-0122	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base .....	4,338.83	584.97
			<i>For &gt;10 To 20, Deduct</i>	-108.47	
			<i>For &gt;20 To 40, Deduct</i>	-216.94	
			<i>For &gt;40, Deduct</i>	-354.66	
26 56 13 00-0123	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base .....	4,543.87	612.82
			<i>For &gt;10 To 20, Deduct</i>	-113.60	
			<i>For &gt;20 To 40, Deduct</i>	-227.19	
			<i>For &gt;40, Deduct</i>	-371.43	
26 56 13 00-0124	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base .....	4,703.83	640.67
			<i>For &gt;10 To 20, Deduct</i>	-117.60	
			<i>For &gt;20 To 40, Deduct</i>	-235.19	
			<i>For &gt;40, Deduct</i>	-384.82	
26 56 13 00-0125	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base .....	4,920.65	640.67
			<i>For &gt;10 To 20, Deduct</i>	-123.02	
			<i>For &gt;20 To 40, Deduct</i>	-246.03	
			<i>For &gt;40, Deduct</i>	-401.08	
26 56 13 00-0126	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base .....	5,361.16	668.53
			<i>For &gt;10 To 20, Deduct</i>	-134.03	
			<i>For &gt;20 To 40, Deduct</i>	-268.06	
			<i>For &gt;40, Deduct</i>	-435.51	
26 56 13 00-0127	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base .....	8,086.64	696.39
			<i>For &gt;10 To 20, Deduct</i>	-202.17	
			<i>For &gt;20 To 40, Deduct</i>	-404.33	
			<i>For &gt;40, Deduct</i>	-641.32	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 56 13 00-0128		<b>Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms</b> <small>(26 56 13 00-0092)</small>			
26 56 13 00-0129	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,537.41		501.40
		<i>For &gt;10 To 20, Deduct</i>	-88.44		
		<i>For &gt;20 To 40, Deduct</i>	-176.87		
		<i>For &gt;40, Deduct</i>	-290.38		
26 56 13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,676.03		501.40
		<i>For &gt;10 To 20, Deduct</i>	-91.90		
		<i>For &gt;20 To 40, Deduct</i>	-183.80		
		<i>For &gt;40, Deduct</i>	-300.77		
26 56 13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,552.49		612.82
		<i>For &gt;10 To 20, Deduct</i>	-113.81		
		<i>For &gt;20 To 40, Deduct</i>	-227.62		
		<i>For &gt;40, Deduct</i>	-372.08		
26 56 13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,931.57		654.60
		<i>For &gt;10 To 20, Deduct</i>	-123.29		
		<i>For &gt;20 To 40, Deduct</i>	-246.58		
		<i>For &gt;40, Deduct</i>	-402.60		
26 56 13 00-0133	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,148.22		668.53
		<i>For &gt;10 To 20, Deduct</i>	-128.71		
		<i>For &gt;20 To 40, Deduct</i>	-257.41		
		<i>For &gt;40, Deduct</i>	-419.54		
26 56 13 00-0134	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,496.62		710.31
		<i>For &gt;10 To 20, Deduct</i>	-137.42		
		<i>For &gt;20 To 40, Deduct</i>	-274.83		
		<i>For &gt;40, Deduct</i>	-447.76		
26 56 13 00-0135	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,423.69		696.39
		<i>For &gt;10 To 20, Deduct</i>	-135.59		
		<i>For &gt;20 To 40, Deduct</i>	-271.18		
		<i>For &gt;40, Deduct</i>	-441.60		
26 56 13 00-0136	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,185.87		738.17
		<i>For &gt;10 To 20, Deduct</i>	-154.65		
		<i>For &gt;20 To 40, Deduct</i>	-309.29		
		<i>For &gt;40, Deduct</i>	-500.85		
26 56 13 00-0137	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,858.18		779.96
		<i>For &gt;10 To 20, Deduct</i>	-171.45		
		<i>For &gt;20 To 40, Deduct</i>	-342.91		
		<i>For &gt;40, Deduct</i>	-553.36		
26 56 13 00-0138		<b>Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms</b> <small>(26 56 13 00-0091)</small>			
26 56 13 00-0139		<b>Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm</b> <small>(26 56 13 00-0138)</small>			
26 56 13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	3,789.96		445.68
		<i>For &gt;10 To 20, Deduct</i>	-94.75		
		<i>For &gt;20 To 40, Deduct</i>	-189.50		
		<i>For &gt;40, Deduct</i>	-306.53		
26 56 13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	3,820.82		445.68
		<i>For &gt;10 To 20, Deduct</i>	-95.52		
		<i>For &gt;20 To 40, Deduct</i>	-191.04		
		<i>For &gt;40, Deduct</i>	-308.85		
26 56 13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	3,899.70		445.68
		<i>For &gt;10 To 20, Deduct</i>	-97.49		
		<i>For &gt;20 To 40, Deduct</i>	-194.99		
		<i>For &gt;40, Deduct</i>	-314.76		
26 56 13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,018.05		445.68
		<i>For &gt;10 To 20, Deduct</i>	-100.45		
		<i>For &gt;20 To 40, Deduct</i>	-200.90		
		<i>For &gt;40, Deduct</i>	-323.64		
26 56 13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,267.33		501.40
		<i>For &gt;10 To 20, Deduct</i>	-106.68		
		<i>For &gt;20 To 40, Deduct</i>	-213.37		
		<i>For &gt;40, Deduct</i>	-345.12		
26 56 13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,336.93		501.40
		<i>For &gt;10 To 20, Deduct</i>	-108.42		
		<i>For &gt;20 To 40, Deduct</i>	-216.85		
		<i>For &gt;40, Deduct</i>	-350.34		
26 56 13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,411.16		501.40
		<i>For &gt;10 To 20, Deduct</i>	-110.28		
		<i>For &gt;20 To 40, Deduct</i>	-220.56		
		<i>For &gt;40, Deduct</i>	-355.91		

<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base		4,858.92	501.40
		<i>For &gt;10 To 20, Deduct</i>		-121.47	
		<i>For &gt;20 To 40, Deduct</i>		-242.95	
		<i>For &gt;40, Deduct</i>		-389.49	
26 56 13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base		4,641.48	529.25
		<i>For &gt;10 To 20, Deduct</i>		-116.04	
		<i>For &gt;20 To 40, Deduct</i>		-232.07	
		<i>For &gt;40, Deduct</i>		-374.57	
26 56 13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base		5,216.02	529.25
		<i>For &gt;10 To 20, Deduct</i>		-130.40	
		<i>For &gt;20 To 40, Deduct</i>		-260.80	
		<i>For &gt;40, Deduct</i>		-417.66	
26 56 13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base		5,271.98	529.25
		<i>For &gt;10 To 20, Deduct</i>		-131.80	
		<i>For &gt;20 To 40, Deduct</i>		-263.60	
		<i>For &gt;40, Deduct</i>		-421.86	
26 56 13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base		5,627.24	529.25
		<i>For &gt;10 To 20, Deduct</i>		-140.68	
		<i>For &gt;20 To 40, Deduct</i>		-281.36	
		<i>For &gt;40, Deduct</i>		-448.51	
26 56 13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base		5,951.25	529.25
		<i>For &gt;10 To 20, Deduct</i>		-148.78	
		<i>For &gt;20 To 40, Deduct</i>		-297.56	
		<i>For &gt;40, Deduct</i>		-472.81	

**26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms** (26 56 13 00-0138)

26 56 13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base		4,925.38	557.11
		<i>For &gt;10 To 20, Deduct</i>		-123.13	
		<i>For &gt;20 To 40, Deduct</i>		-246.27	
		<i>For &gt;40, Deduct</i>		-397.26	
26 56 13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base		5,059.95	584.97
		<i>For &gt;10 To 20, Deduct</i>		-126.50	
		<i>For &gt;20 To 40, Deduct</i>		-253.00	
		<i>For &gt;40, Deduct</i>		-408.74	
26 56 13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base		5,166.42	612.82
		<i>For &gt;10 To 20, Deduct</i>		-129.16	
		<i>For &gt;20 To 40, Deduct</i>		-258.32	
		<i>For &gt;40, Deduct</i>		-418.12	
26 56 13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base		5,301.63	612.82
		<i>For &gt;10 To 20, Deduct</i>		-132.54	
		<i>For &gt;20 To 40, Deduct</i>		-265.08	
		<i>For &gt;40, Deduct</i>		-428.26	
26 56 13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base		5,768.46	640.67
		<i>For &gt;10 To 20, Deduct</i>		-144.21	
		<i>For &gt;20 To 40, Deduct</i>		-288.42	
		<i>For &gt;40, Deduct</i>		-464.67	
26 56 13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base		6,635.34	668.53
		<i>For &gt;10 To 20, Deduct</i>		-165.88	
		<i>For &gt;20 To 40, Deduct</i>		-331.77	
		<i>For &gt;40, Deduct</i>		-531.08	
26 56 13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base		6,419.04	640.67
		<i>For &gt;10 To 20, Deduct</i>		-160.48	
		<i>For &gt;20 To 40, Deduct</i>		-320.95	
		<i>For &gt;40, Deduct</i>		-513.46	
26 56 13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base		6,540.84	668.53
		<i>For &gt;10 To 20, Deduct</i>		-163.52	
		<i>For &gt;20 To 40, Deduct</i>		-327.04	
		<i>For &gt;40, Deduct</i>		-523.99	
26 56 13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base		7,983.68	696.39
		<i>For &gt;10 To 20, Deduct</i>		-199.59	
		<i>For &gt;20 To 40, Deduct</i>		-399.18	
		<i>For &gt;40, Deduct</i>		-633.60	

**26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm** (26 56 13 00-0091)

**26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm** (26 56 13 00-0163)

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0165	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,116.51	334.26
			<i>For &gt;10 To 20, Deduct</i>	-77.91	
			<i>For &gt;20 To 40, Deduct</i>	-155.83	
			<i>For &gt;40, Deduct</i>	-250.45	
26 56 13 00-0166	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,203.72	334.26
			<i>For &gt;10 To 20, Deduct</i>	-80.09	
			<i>For &gt;20 To 40, Deduct</i>	-160.19	
			<i>For &gt;40, Deduct</i>	-256.99	
26 56 13 00-0167	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,291.11	334.26
			<i>For &gt;10 To 20, Deduct</i>	-82.28	
			<i>For &gt;20 To 40, Deduct</i>	-164.56	
			<i>For &gt;40, Deduct</i>	-263.55	
26 56 13 00-0168	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,695.93	445.68
			<i>For &gt;10 To 20, Deduct</i>	-92.40	
			<i>For &gt;20 To 40, Deduct</i>	-184.80	
			<i>For &gt;40, Deduct</i>	-299.48	
26 56 13 00-0169	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,762.40	445.68
			<i>For &gt;10 To 20, Deduct</i>	-94.06	
			<i>For &gt;20 To 40, Deduct</i>	-188.12	
			<i>For &gt;40, Deduct</i>	-304.46	
26 56 13 00-0170	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,835.03	445.68
			<i>For &gt;10 To 20, Deduct</i>	-95.88	
			<i>For &gt;20 To 40, Deduct</i>	-191.75	
			<i>For &gt;40, Deduct</i>	-309.91	
26 56 13 00-0171	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	4,171.70	501.40
			<i>For &gt;10 To 20, Deduct</i>	-104.29	
			<i>For &gt;20 To 40, Deduct</i>	-208.59	
			<i>For &gt;40, Deduct</i>	-337.95	
26 56 13 00-0172	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	4,261.94	501.40
			<i>For &gt;10 To 20, Deduct</i>	-106.55	
			<i>For &gt;20 To 40, Deduct</i>	-213.10	
			<i>For &gt;40, Deduct</i>	-344.72	
26 56 13 00-0173	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	4,275.48	501.40
			<i>For &gt;10 To 20, Deduct</i>	-106.89	
			<i>For &gt;20 To 40, Deduct</i>	-213.77	
			<i>For &gt;40, Deduct</i>	-345.73	
26 56 13 00-0174	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	4,548.50	529.25
			<i>For &gt;10 To 20, Deduct</i>	-113.71	
			<i>For &gt;20 To 40, Deduct</i>	-227.43	
			<i>For &gt;40, Deduct</i>	-367.60	
26 56 13 00-0175	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	4,588.08	529.25
			<i>For &gt;10 To 20, Deduct</i>	-114.70	
			<i>For &gt;20 To 40, Deduct</i>	-229.40	
			<i>For &gt;40, Deduct</i>	-370.57	
26 56 13 00-0176	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	4,680.87	529.25
			<i>For &gt;10 To 20, Deduct</i>	-117.02	
			<i>For &gt;20 To 40, Deduct</i>	-234.04	
			<i>For &gt;40, Deduct</i>	-377.53	
26 56 13 00-0177			<b>Area Light Poles</b> <small>(26 56 13 00-0001)</small> Note: Excludes lighting fixtures.		
26 56 13 00-0178			<b>Steel Area Light Poles</b> <small>(26 56 13 00-0177)</small> Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179			<b>Round Straight, Steel Area Light Poles</b> <small>(26 56 13 00-0178)</small>		
26 56 13 00-0180			<b>Round Straight, Steel Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0179)</small>		
26 56 13 00-0181	EA		10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	957.52	194.99
			<i>For Galvanized Finish, Add</i>	17.03	
			<i>For &gt;10 To 20, Deduct</i>	-32.45	
			<i>For &gt;20 To 40, Deduct</i>	-59.23	
			<i>For &gt;40, Deduct</i>	-124.13	
26 56 13 00-0182	EA		12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,044.66	222.85
			<i>For Galvanized Finish, Add</i>	17.97	
			<i>For &gt;10 To 20, Deduct</i>	-35.10	
			<i>For &gt;20 To 40, Deduct</i>	-64.21	
			<i>For &gt;40, Deduct</i>	-134.42	
26 56 13 00-0183	EA		14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,167.98	250.70
			<i>For Galvanized Finish, Add</i>	20.00	
			<i>For &gt;10 To 20, Deduct</i>	-39.20	
			<i>For &gt;20 To 40, Deduct</i>	-71.73	
			<i>For &gt;40, Deduct</i>	-150.13	
26 56 13 00-0184	EA		16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,294.43	278.55
			<i>For Galvanized Finish, Add</i>	22.12	
			<i>For &gt;10 To 20, Deduct</i>	-43.42	
			<i>For &gt;20 To 40, Deduct</i>	-79.47	
			<i>For &gt;40, Deduct</i>	-166.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0185	EA		18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,381.59	306.41
			For Galvanized Finish, Add	23.06	
			For >10 To 20, Deduct	-46.07	
			For >20 To 40, Deduct	-84.45	
			For >40, Deduct	-176.60	
26 56 13 00-0186	EA		20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,460.88	334.26
			For Galvanized Finish, Add	23.77	
			For >10 To 20, Deduct	-48.41	
			For >20 To 40, Deduct	-88.89	
			For >40, Deduct	-185.71	
26 56 13 00-0187	EA		10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	998.39	194.99
			For Galvanized Finish, Add	18.25	
			For >10 To 20, Deduct	-34.09	
			For >20 To 40, Deduct	-62.09	
			For >40, Deduct	-130.26	
26 56 13 00-0188	EA		12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,087.10	222.85
			For Galvanized Finish, Add	19.24	
			For >10 To 20, Deduct	-36.80	
			For >20 To 40, Deduct	-67.18	
			For >40, Deduct	-140.78	
26 56 13 00-0189	EA		14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,252.87	250.70
			For Galvanized Finish, Add	22.54	
			For >10 To 20, Deduct	-42.59	
			For >20 To 40, Deduct	-77.67	
			For >40, Deduct	-162.86	
26 56 13 00-0190	EA		16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,349.46	278.55
			For Galvanized Finish, Add	23.77	
			For >10 To 20, Deduct	-45.62	
			For >20 To 40, Deduct	-83.32	
			For >40, Deduct	-174.56	
26 56 13 00-0191	EA		18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,441.33	306.41
			For Galvanized Finish, Add	24.86	
			For >10 To 20, Deduct	-48.46	
			For >20 To 40, Deduct	-88.64	
			For >40, Deduct	-185.56	
26 56 13 00-0192	EA		20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,517.47	334.26
			For Galvanized Finish, Add	25.47	
			For >10 To 20, Deduct	-50.67	
			For >20 To 40, Deduct	-92.85	
			For >40, Deduct	-194.19	
26 56 13 00-0193	EA		25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,798.48	445.68
			For Galvanized Finish, Add	27.21	
			For >10 To 20, Deduct	-58.57	
			For >20 To 40, Deduct	-108.07	
			For >40, Deduct	-225.20	
26 56 13 00-0194	EA		10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	998.39	194.99
			For Galvanized Finish, Add	18.25	
			For >10 To 20, Deduct	-34.09	
			For >20 To 40, Deduct	-62.09	
			For >40, Deduct	-130.26	
26 56 13 00-0195	EA		12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,091.82	222.85
			For Galvanized Finish, Add	19.38	
			For >10 To 20, Deduct	-36.99	
			For >20 To 40, Deduct	-67.51	
			For >40, Deduct	-141.49	
26 56 13 00-0196	EA		14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,278.03	250.70
			For Galvanized Finish, Add	23.30	
			For >10 To 20, Deduct	-43.60	
			For >20 To 40, Deduct	-79.43	
			For >40, Deduct	-166.63	
26 56 13 00-0197	EA		16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,354.17	278.55
			For Galvanized Finish, Add	23.91	
			For >10 To 20, Deduct	-45.81	
			For >20 To 40, Deduct	-83.65	
			For >40, Deduct	-175.27	
26 56 13 00-0198	EA		18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,441.33	306.41
			For Galvanized Finish, Add	24.86	
			For >10 To 20, Deduct	-48.46	
			For >20 To 40, Deduct	-88.64	
			For >40, Deduct	-185.56	
26 56 13 00-0199	EA		20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,517.47	334.26
			For Galvanized Finish, Add	25.47	
			For >10 To 20, Deduct	-50.67	
			For >20 To 40, Deduct	-92.85	
			For >40, Deduct	-194.19	
26 56 13 00-0200	EA		25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,842.50	445.68
			For Galvanized Finish, Add	28.53	
			For >10 To 20, Deduct	-60.33	
			For >20 To 40, Deduct	-111.15	
			For >40, Deduct	-231.81	
26 56 13 00-0201	EA		30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,035.67	501.40
			For Galvanized Finish, Add	30.99	
			For >10 To 20, Deduct	-66.38	
			For >20 To 40, Deduct	-122.44	
			For >40, Deduct	-255.21	
26 56 13 00-0202	EA		20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,618.09	334.26
			For Galvanized Finish, Add	28.49	
			For >10 To 20, Deduct	-54.70	
			For >20 To 40, Deduct	-99.90	
			For >40, Deduct	-209.29	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0203	EA		25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,862.94	445.68
			<i>For Galvanized Finish, Add</i>	29.15	
			<i>For &gt;10 To 20, Deduct</i>	-61.15	
			<i>For &gt;20 To 40, Deduct</i>	-112.58	
			<i>For &gt;40, Deduct</i>	-234.87	
26 56 13 00-0204	EA		30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	2,074.98	501.40
			<i>For Galvanized Finish, Add</i>	32.17	
			<i>For &gt;10 To 20, Deduct</i>	-67.96	
			<i>For &gt;20 To 40, Deduct</i>	-125.19	
			<i>For &gt;40, Deduct</i>	-261.11	
26 56 13 00-0205			Round Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0206			Round Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0205)</small>		
26 56 13 00-0207	EA		20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	1,973.39	334.26
			<i>For Galvanized Finish, Add</i>	39.15	
			<i>For &gt;10 To 20, Deduct</i>	-68.91	
			<i>For &gt;20 To 40, Deduct</i>	-124.77	
			<i>For &gt;40, Deduct</i>	-262.58	
26 56 13 00-0208	EA		20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	2,022.13	334.26
			<i>For Galvanized Finish, Add</i>	40.61	
			<i>For &gt;10 To 20, Deduct</i>	-70.86	
			<i>For &gt;20 To 40, Deduct</i>	-128.18	
			<i>For &gt;40, Deduct</i>	-269.89	
26 56 13 00-0209	EA		25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	2,351.87	445.68
			<i>For Galvanized Finish, Add</i>	43.82	
			<i>For &gt;10 To 20, Deduct</i>	-80.70	
			<i>For &gt;20 To 40, Deduct</i>	-146.80	
			<i>For &gt;40, Deduct</i>	-308.21	
26 56 13 00-0210	EA		25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	2,452.49	445.68
			<i>For Galvanized Finish, Add</i>	46.83	
			<i>For &gt;10 To 20, Deduct</i>	-84.73	
			<i>For &gt;20 To 40, Deduct</i>	-153.85	
			<i>For &gt;40, Deduct</i>	-323.31	
26 56 13 00-0211	EA		30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	2,620.50	501.40
			<i>For Galvanized Finish, Add</i>	48.53	
			<i>For &gt;10 To 20, Deduct</i>	-89.78	
			<i>For &gt;20 To 40, Deduct</i>	-163.38	
			<i>For &gt;40, Deduct</i>	-342.94	
26 56 13 00-0212	EA		30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	2,788.72	501.40
			<i>For Galvanized Finish, Add</i>	53.58	
			<i>For &gt;10 To 20, Deduct</i>	-96.51	
			<i>For &gt;20 To 40, Deduct</i>	-175.15	
			<i>For &gt;40, Deduct</i>	-368.17	
26 56 13 00-0213	EA		35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	2,879.03	529.25
			<i>For Galvanized Finish, Add</i>	54.62	
			<i>For &gt;10 To 20, Deduct</i>	-99.28	
			<i>For &gt;20 To 40, Deduct</i>	-180.36	
			<i>For &gt;40, Deduct</i>	-378.93	
26 56 13 00-0214	EA		35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	2,982.78	529.25
			<i>For Galvanized Finish, Add</i>	57.73	
			<i>For &gt;10 To 20, Deduct</i>	-103.43	
			<i>For &gt;20 To 40, Deduct</i>	-187.62	
			<i>For &gt;40, Deduct</i>	-394.49	
26 56 13 00-0215	EA		35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	3,231.18	529.25
			<i>For Galvanized Finish, Add</i>	65.18	
			<i>For &gt;10 To 20, Deduct</i>	-113.37	
			<i>For &gt;20 To 40, Deduct</i>	-205.01	
			<i>For &gt;40, Deduct</i>	-431.75	
26 56 13 00-0216	EA		39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	3,268.02	557.11
			<i>For Galvanized Finish, Add</i>	64.61	
			<i>For &gt;10 To 20, Deduct</i>	-114.01	
			<i>For &gt;20 To 40, Deduct</i>	-206.48	
			<i>For &gt;40, Deduct</i>	-434.49	
26 56 13 00-0217	EA		39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	3,312.04	557.11
			<i>For Galvanized Finish, Add</i>	65.93	
			<i>For &gt;10 To 20, Deduct</i>	-115.77	
			<i>For &gt;20 To 40, Deduct</i>	-209.56	
			<i>For &gt;40, Deduct</i>	-441.10	
26 56 13 00-0218	EA		45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	4,493.68	724.24
			<i>For Galvanized Finish, Add</i>	91.36	
			<i>For &gt;10 To 20, Deduct</i>	-158.02	
			<i>For &gt;20 To 40, Deduct</i>	-285.59	
			<i>For &gt;40, Deduct</i>	-601.63	
26 56 13 00-0219	EA		50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	4,707.08	835.66
			<i>For Galvanized Finish, Add</i>	91.07	
			<i>For &gt;10 To 20, Deduct</i>	-163.21	
			<i>For &gt;20 To 40, Deduct</i>	-296.07	
			<i>For &gt;40, Deduct</i>	-622.50	
26 56 13 00-0220	EA		25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	3,134.79	445.68
			<i>For Galvanized Finish, Add</i>	67.30	
			<i>For &gt;10 To 20, Deduct</i>	-112.02	
			<i>For &gt;20 To 40, Deduct</i>	-201.61	
			<i>For &gt;40, Deduct</i>	-425.65	
26 56 13 00-0221	EA		30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	3,557.49	501.40
			<i>For Galvanized Finish, Add</i>	76.64	
			<i>For &gt;10 To 20, Deduct</i>	-127.26	
			<i>For &gt;20 To 40, Deduct</i>	-228.97	
			<i>For &gt;40, Deduct</i>	-483.48	

<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0222	EA		39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,115.40	557.11
			For Galvanized Finish, Add	90.04	
			For >10 To 20, Deduct	-147.90	
			For >20 To 40, Deduct	-265.79	
			For >40, Deduct	-561.60	
26 56 13 00-0223	EA		45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,984.18	724.24
			For Galvanized Finish, Add	106.07	
			For >10 To 20, Deduct	-177.64	
			For >20 To 40, Deduct	-319.92	
			For >40, Deduct	-675.20	
26 56 13 00-0224	EA		50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	5,813.86	835.66
			For Galvanized Finish, Add	124.28	
			For >10 To 20, Deduct	-207.48	
			For >20 To 40, Deduct	-373.54	
			For >40, Deduct	-788.51	
26 56 13 00-0225	EA		50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	6,453.71	835.66
			For Galvanized Finish, Add	143.47	
			For >10 To 20, Deduct	-233.08	
			For >20 To 40, Deduct	-418.33	
			For >40, Deduct	-884.49	
26 56 13 00-0226	EA		50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	8,591.79	835.66
			For Galvanized Finish, Add	207.61	
			For >10 To 20, Deduct	-318.60	
			For >20 To 40, Deduct	-568.00	
			For >40, Deduct	-1,205.20	
26 56 13 00-0227	EA		50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	9,629.39	835.66
			For Galvanized Finish, Add	238.74	
			For >10 To 20, Deduct	-360.11	
			For >20 To 40, Deduct	-640.63	
			For >40, Deduct	-1,360.84	
<b>26 56 13 00-0228</b>			<b>Square Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small></b>		
<b>26 56 13 00-0229</b>			<b>Square Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0228)</small></b>		
26 56 13 00-0230	EA		10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	944.94	194.99
			For Galvanized Finish, Add	16.65	
			For >10 To 20, Deduct	-31.95	
			For >20 To 40, Deduct	-58.35	
			For >40, Deduct	-122.24	
26 56 13 00-0231	EA		12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,000.64	222.85
			For Galvanized Finish, Add	16.65	
			For >10 To 20, Deduct	-33.34	
			For >20 To 40, Deduct	-61.13	
			For >40, Deduct	-127.81	
26 56 13 00-0232	EA		14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,083.08	250.70
			For Galvanized Finish, Add	17.45	
			For >10 To 20, Deduct	-35.80	
			For >20 To 40, Deduct	-65.79	
			For >40, Deduct	-137.39	
26 56 13 00-0233	EA		15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,148.67	264.63
			For Galvanized Finish, Add	18.58	
			For >10 To 20, Deduct	-38.01	
			For >20 To 40, Deduct	-69.82	
			For >40, Deduct	-145.84	
26 56 13 00-0234	EA		16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,176.53	278.55
			For Galvanized Finish, Add	18.58	
			For >10 To 20, Deduct	-38.70	
			For >20 To 40, Deduct	-71.21	
			For >40, Deduct	-148.62	
26 56 13 00-0235	EA		18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,249.53	306.41
			For Galvanized Finish, Add	19.10	
			For >10 To 20, Deduct	-40.79	
			For >20 To 40, Deduct	-75.21	
			For >40, Deduct	-156.79	
26 56 13 00-0236	EA		20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,319.39	334.26
			For Galvanized Finish, Add	19.53	
			For >10 To 20, Deduct	-42.75	
			For >20 To 40, Deduct	-78.99	
			For >40, Deduct	-164.48	
26 56 13 00-0237	EA		25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,636.55	445.68
			For Galvanized Finish, Add	22.36	
			For >10 To 20, Deduct	-52.09	
			For >20 To 40, Deduct	-96.73	
			For >40, Deduct	-200.91	
26 56 13 00-0238	EA		20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,531.62	334.26
			For Galvanized Finish, Add	25.89	
			For >10 To 20, Deduct	-51.24	
			For >20 To 40, Deduct	-93.84	
			For >40, Deduct	-196.32	
26 56 13 00-0239	EA		25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,928.97	445.68
			For Galvanized Finish, Add	31.13	
			For >10 To 20, Deduct	-63.79	
			For >20 To 40, Deduct	-117.20	
			For >40, Deduct	-244.78	
26 56 13 00-0240	EA		30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,211.75	501.40
			For Galvanized Finish, Add	36.27	
			For >10 To 20, Deduct	-73.43	
			For >20 To 40, Deduct	-134.77	
			For >40, Deduct	-281.62	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,473.46 24.15 -48.91 -89.77 -187.59	334.26
26 56	13 00-0242	EA	25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,815.78 27.73 -59.26 -109.28 -227.80	445.68
26 56	13 00-0243	EA	30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,114.28 33.34 -69.53 -127.94 -267.00	501.40
26 56	13 00-0244	EA	20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,673.11 30.14 -56.90 -103.75 -217.54	334.26
26 56	13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,070.46 35.37 -69.45 -127.10 -266.00	445.68
26 56	13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,345.38 40.28 -78.77 -144.12 -301.67	501.40
26 56	13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,596.04 46.13 -87.96 -160.55 -336.48	529.25
26 56	13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,655.09 49.57 -91.16 -165.80 -348.12	501.40
26 56	13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,907.32 55.46 -100.42 -182.34 -383.17	529.25
26 56	13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,074.65 58.81 -106.27 -192.94 -405.49	557.11
26 56	13 00-0251		Hinged, Square Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56	13 00-0252		Hinged, Square Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0251)</small>		
26 56	13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,275.43 78.21 -120.99 -215.91 -457.89	334.26
26 56	13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,675.52 83.52 -133.65 -239.46 -506.76	445.68
26 56	13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	5,111.30 123.26 -189.41 -337.74 -716.56	501.40
26 56	13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,338.98 80.11 -123.53 -220.36 -467.42	334.26
26 56	13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,045.07 94.61 -148.43 -265.33 -562.19	445.68
26 56	13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	5,661.44 139.76 -211.42 -376.25 -799.08	501.40
26 56	13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	6,484.68 162.79 -243.51 -432.76 -919.78	529.25



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0260	EA		39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	7,605.56	557.11
			For Galvanized Finish, Add	194.74	
			For >10 To 20, Deduct	-287.51	
			For >20 To 40, Deduct	-510.10	
			For >40, Deduct	-1,085.12	
26 56 13 00-0261	EA		20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	3,175.10	334.26
			For Galvanized Finish, Add	75.20	
			For >10 To 20, Deduct	-116.98	
			For >20 To 40, Deduct	-208.89	
			For >40, Deduct	-442.84	
26 56 13 00-0262	EA		25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	3,515.00	445.68
			For Galvanized Finish, Add	78.71	
			For >10 To 20, Deduct	-127.23	
			For >20 To 40, Deduct	-228.22	
			For >40, Deduct	-482.68	
26 56 13 00-0263	EA		30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	4,828.70	501.40
			For Galvanized Finish, Add	114.78	
			For >10 To 20, Deduct	-178.11	
			For >20 To 40, Deduct	-317.95	
			For >40, Deduct	-674.17	
26 56 13 00-0264	EA		20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	3,290.48	334.26
			For Galvanized Finish, Add	78.66	
			For >10 To 20, Deduct	-121.59	
			For >20 To 40, Deduct	-216.96	
			For >40, Deduct	-460.15	
26 56 13 00-0265	EA		25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	3,894.58	445.68
			For Galvanized Finish, Add	90.10	
			For >10 To 20, Deduct	-142.41	
			For >20 To 40, Deduct	-254.79	
			For >40, Deduct	-539.62	
26 56 13 00-0266	EA		30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base.....	5,452.42	501.40
			For Galvanized Finish, Add	133.49	
			For >10 To 20, Deduct	-203.05	
			For >20 To 40, Deduct	-361.61	
			For >40, Deduct	-767.72	
26 56 13 00-0267	EA		20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	3,467.73	334.26
			For Galvanized Finish, Add	83.98	
			For >10 To 20, Deduct	-128.68	
			For >20 To 40, Deduct	-229.37	
			For >40, Deduct	-486.73	
26 56 13 00-0268	EA		25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	4,213.96	445.68
			For Galvanized Finish, Add	99.68	
			For >10 To 20, Deduct	-155.19	
			For >20 To 40, Deduct	-277.15	
			For >40, Deduct	-587.53	
26 56 13 00-0269	EA		30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	5,828.66	501.40
			For Galvanized Finish, Add	144.78	
			For >10 To 20, Deduct	-218.10	
			For >20 To 40, Deduct	-387.95	
			For >40, Deduct	-824.16	
26 56 13 00-0270	EA		35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	6,688.69	529.25
			For Galvanized Finish, Add	168.91	
			For >10 To 20, Deduct	-251.67	
			For >20 To 40, Deduct	-447.04	
			For >40, Deduct	-950.38	
26 56 13 00-0271	EA		39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	7,714.25	557.11
			For Galvanized Finish, Add	198.00	
			For >10 To 20, Deduct	-291.86	
			For >20 To 40, Deduct	-517.71	
			For >40, Deduct	-1,101.43	
26 56 13 00-0272			Square Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0273			Square Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0272)</small>		
26 56 13 00-0274	EA		20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,503.19	334.26
			For Galvanized Finish, Add	55.04	
			For >10 To 20, Deduct	-90.10	
			For >20 To 40, Deduct	-161.85	
			For >40, Deduct	-342.05	
26 56 13 00-0275	EA		25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,049.89	445.68
			For Galvanized Finish, Add	64.76	
			For >10 To 20, Deduct	-108.63	
			For >20 To 40, Deduct	-195.66	
			For >40, Deduct	-412.92	
26 56 13 00-0276	EA		30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,395.56	501.40
			For Galvanized Finish, Add	71.78	
			For >10 To 20, Deduct	-120.78	
			For >20 To 40, Deduct	-217.63	
			For >40, Deduct	-459.19	
26 56 13 00-0277	EA		35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,760.98	529.25
			For Galvanized Finish, Add	81.07	
			For >10 To 20, Deduct	-134.56	
			For >20 To 40, Deduct	-242.10	
			For >40, Deduct	-511.22	
26 56 13 00-0278	EA		39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,964.47	557.11
			For Galvanized Finish, Add	85.51	
			For >10 To 20, Deduct	-141.87	
			For >20 To 40, Deduct	-255.23	
			For >40, Deduct	-538.96	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0279	EA		20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,209.08	334.26
			<i>For Galvanized Finish, Add</i>	76.22	
			<i>For &gt;10 To 20, Deduct</i>	-118.34	
			<i>For &gt;20 To 40, Deduct</i>	-211.27	
			<i>For &gt;40, Deduct</i>	-447.94	
26 56 13 00-0280	EA		25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,603.28	445.68
			<i>For Galvanized Finish, Add</i>	81.36	
			<i>For &gt;10 To 20, Deduct</i>	-130.76	
			<i>For &gt;20 To 40, Deduct</i>	-234.40	
			<i>For &gt;40, Deduct</i>	-495.92	
26 56 13 00-0281	EA		30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,848.33	501.40
			<i>For Galvanized Finish, Add</i>	85.37	
			<i>For &gt;10 To 20, Deduct</i>	-138.89	
			<i>For &gt;20 To 40, Deduct</i>	-249.33	
			<i>For &gt;40, Deduct</i>	-527.11	
26 56 13 00-0282	EA		30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,263.37	501.40
			<i>For Galvanized Finish, Add</i>	97.82	
			<i>For &gt;10 To 20, Deduct</i>	-155.49	
			<i>For &gt;20 To 40, Deduct</i>	-278.38	
			<i>For &gt;40, Deduct</i>	-589.37	
26 56 13 00-0283	EA		35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,617.79	529.25
			<i>For Galvanized Finish, Add</i>	106.78	
			<i>For &gt;10 To 20, Deduct</i>	-168.83	
			<i>For &gt;20 To 40, Deduct</i>	-302.08	
			<i>For &gt;40, Deduct</i>	-639.74	
26 56 13 00-0284	EA		35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,131.87	529.25
			<i>For Galvanized Finish, Add</i>	122.20	
			<i>For &gt;10 To 20, Deduct</i>	-189.40	
			<i>For &gt;20 To 40, Deduct</i>	-338.06	
			<i>For &gt;40, Deduct</i>	-716.86	
26 56 13 00-0285	EA		39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,697.08	557.11
			<i>For Galvanized Finish, Add</i>	107.49	
			<i>For &gt;10 To 20, Deduct</i>	-171.17	
			<i>For &gt;20 To 40, Deduct</i>	-306.51	
			<i>For &gt;40, Deduct</i>	-648.85	
26 56 13 00-0286	EA		39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,962.64	557.11
			<i>For Galvanized Finish, Add</i>	145.45	
			<i>For &gt;10 To 20, Deduct</i>	-221.79	
			<i>For &gt;20 To 40, Deduct</i>	-395.10	
			<i>For &gt;40, Deduct</i>	-838.69	
26 56 13 00-0287	EA		45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,564.29	724.24
			<i>For Galvanized Finish, Add</i>	123.47	
			<i>For &gt;10 To 20, Deduct</i>	-200.84	
			<i>For &gt;20 To 40, Deduct</i>	-360.53	
			<i>For &gt;40, Deduct</i>	-762.22	
26 56 13 00-0288	EA		45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	6,427.38	724.24
			<i>For Galvanized Finish, Add</i>	149.37	
			<i>For &gt;10 To 20, Deduct</i>	-235.37	
			<i>For &gt;20 To 40, Deduct</i>	-420.95	
			<i>For &gt;40, Deduct</i>	-891.68	
26 56 13 00-0289	EA		50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	6,694.24	835.66
			<i>For Galvanized Finish, Add</i>	150.69	
			<i>For &gt;10 To 20, Deduct</i>	-242.70	
			<i>For &gt;20 To 40, Deduct</i>	-435.17	
			<i>For &gt;40, Deduct</i>	-920.57	
26 56 13 00-0290			<b>Factory Accessories For Steel Area Light Poles</b> <small>(26 56 13 00-0178)</small>		
26 56 13 00-0291	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles.....	55.74	
26 56 13 00-0292	EA		Extra Handhole For Steel Area Light Poles.....	82.89	
26 56 13 00-0293	EA		Vibration Dampener For Steel Area Light Poles.....	84.32	
26 56 13 00-0294			<b>Aluminum Area Light Poles</b> <small>(26 56 13 00-0177)</small>		
			Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0295			<b>Round Straight, Aluminum Area Light Poles</b> <small>(26 56 13 00-0294)</small>		
26 56 13 00-0296			<b>Round Straight, Aluminum Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0295)</small>		
26 56 13 00-0297	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	757.38	167.13
			<i>For Bronze Or Satin Anodized Finish, Add</i>	42.31	
			<i>For Black Anodized Finish, Add</i>	84.62	
			<i>For &gt;10 To 20, Deduct</i>	-25.28	
			<i>For &gt;20 To 40, Deduct</i>	-46.33	
			<i>For &gt;40, Deduct</i>	-96.89	
26 56 13 00-0298	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	834.80	194.99
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.48	
			<i>For Black Anodized Finish, Add</i>	88.96	
			<i>For &gt;10 To 20, Deduct</i>	-27.54	
			<i>For &gt;20 To 40, Deduct</i>	-50.64	
			<i>For &gt;40, Deduct</i>	-105.72	
26 56 13 00-0299	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	917.62	222.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	47.19	
			<i>For Black Anodized Finish, Add</i>	94.39	
			<i>For &gt;10 To 20, Deduct</i>	-30.02	
			<i>For &gt;20 To 40, Deduct</i>	-55.32	
			<i>For &gt;40, Deduct</i>	-115.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0300	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,001.55	250.70
			<i>For Bronze Or Satin Anodized Finish, Add</i>	50.02	
			<i>For Black Anodized Finish, Add</i>	100.03	
			<i>For &gt;10 To 20, Deduct</i>	-32.54	
			<i>For &gt;20 To 40, Deduct</i>	-60.08	
			<i>For &gt;40, Deduct</i>	-125.16	
26 56 13 00-0301	EA		15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,047.85	264.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	51.86	
			<i>For Black Anodized Finish, Add</i>	103.72	
			<i>For &gt;10 To 20, Deduct</i>	-33.98	
			<i>For &gt;20 To 40, Deduct</i>	-62.76	
			<i>For &gt;40, Deduct</i>	-130.72	
26 56 13 00-0302	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,093.07	278.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	53.60	
			<i>For Black Anodized Finish, Add</i>	107.19	
			<i>For &gt;10 To 20, Deduct</i>	-35.37	
			<i>For &gt;20 To 40, Deduct</i>	-65.37	
			<i>For &gt;40, Deduct</i>	-136.11	
26 56 13 00-0303	EA		16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,158.16	278.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	60.11	
			<i>For Black Anodized Finish, Add</i>	120.21	
			<i>For &gt;10 To 20, Deduct</i>	-37.97	
			<i>For &gt;20 To 40, Deduct</i>	-69.93	
			<i>For &gt;40, Deduct</i>	-145.87	
26 56 13 00-0304	EA		18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,255.10	306.41
			<i>For Bronze Or Satin Anodized Finish, Add</i>	64.23	
			<i>For Black Anodized Finish, Add</i>	128.46	
			<i>For &gt;10 To 20, Deduct</i>	-41.01	
			<i>For &gt;20 To 40, Deduct</i>	-75.60	
			<i>For &gt;40, Deduct</i>	-157.62	
26 56 13 00-0305	EA		20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,345.53	334.26
			<i>For Bronze Or Satin Anodized Finish, Add</i>	67.70	
			<i>For Black Anodized Finish, Add</i>	135.40	
			<i>For &gt;10 To 20, Deduct</i>	-43.79	
			<i>For &gt;20 To 40, Deduct</i>	-80.82	
			<i>For &gt;40, Deduct</i>	-168.40	
26 56 13 00-0306	EA		15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,287.62	264.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	75.84	
			<i>For Black Anodized Finish, Add</i>	151.67	
			<i>For &gt;10 To 20, Deduct</i>	-43.57	
			<i>For &gt;20 To 40, Deduct</i>	-79.55	
			<i>For &gt;40, Deduct</i>	-166.68	
26 56 13 00-0307	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,585.30	334.26
			<i>For Bronze Or Satin Anodized Finish, Add</i>	91.68	
			<i>For Black Anodized Finish, Add</i>	183.35	
			<i>For &gt;10 To 20, Deduct</i>	-53.38	
			<i>For &gt;20 To 40, Deduct</i>	-97.60	
			<i>For &gt;40, Deduct</i>	-204.37	
26 56 13 00-0308	EA		20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,706.81	334.26
			<i>For Bronze Or Satin Anodized Finish, Add</i>	103.83	
			<i>For Black Anodized Finish, Add</i>	207.66	
			<i>For &gt;10 To 20, Deduct</i>	-58.24	
			<i>For &gt;20 To 40, Deduct</i>	-106.11	
			<i>For &gt;40, Deduct</i>	-222.60	
26 56 13 00-0309	EA		25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	2,043.57	445.68
			<i>For Bronze Or Satin Anodized Finish, Add</i>	115.22	
			<i>For Black Anodized Finish, Add</i>	230.44	
			<i>For &gt;10 To 20, Deduct</i>	-68.37	
			<i>For &gt;20 To 40, Deduct</i>	-125.22	
			<i>For &gt;40, Deduct</i>	-261.97	
26 56 13 00-0310	EA		30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	2,370.89	501.40
			<i>For Bronze Or Satin Anodized Finish, Add</i>	136.81	
			<i>For Black Anodized Finish, Add</i>	273.62	
			<i>For &gt;10 To 20, Deduct</i>	-79.79	
			<i>For &gt;20 To 40, Deduct</i>	-145.91	
			<i>For &gt;40, Deduct</i>	-305.49	
26 56 13 00-0311	EA		20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,420.39	334.26
			<i>For Bronze Or Satin Anodized Finish, Add</i>	75.19	
			<i>For Black Anodized Finish, Add</i>	150.37	
			<i>For &gt;10 To 20, Deduct</i>	-46.79	
			<i>For &gt;20 To 40, Deduct</i>	-86.06	
			<i>For &gt;40, Deduct</i>	-179.63	
26 56 13 00-0312	EA		20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,697.04	334.26
			<i>For Bronze Or Satin Anodized Finish, Add</i>	102.85	
			<i>For Black Anodized Finish, Add</i>	205.70	
			<i>For &gt;10 To 20, Deduct</i>	-57.85	
			<i>For &gt;20 To 40, Deduct</i>	-105.42	
			<i>For &gt;40, Deduct</i>	-221.13	
26 56 13 00-0313	EA		25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base.....	2,026.21	445.68
			<i>For Bronze Or Satin Anodized Finish, Add</i>	113.48	
			<i>For Black Anodized Finish, Add</i>	226.97	
			<i>For &gt;10 To 20, Deduct</i>	-67.68	
			<i>For &gt;20 To 40, Deduct</i>	-124.01	
			<i>For &gt;40, Deduct</i>	-259.36	
26 56 13 00-0314	EA		25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base.....	2,183.52	445.68
			<i>For Bronze Or Satin Anodized Finish, Add</i>	129.22	
			<i>For Black Anodized Finish, Add</i>	258.43	
			<i>For &gt;10 To 20, Deduct</i>	-73.97	
			<i>For &gt;20 To 40, Deduct</i>	-135.02	
			<i>For &gt;40, Deduct</i>	-282.96	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0315	EA 30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,548.82 154.60 309.21 -86.91 -158.36 -332.18	501.40
<b>26 56 13 00-0316 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0295)</b>			
26 56 13 00-0317	EA 8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	868.05 80.07 -29.71 -54.08 -113.49	167.13
26 56 13 00-0318	EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	967.16 86.58 -32.84 -59.90 -125.58	194.99
26 56 13 00-0319	EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,061.92 92.44 -35.79 -65.42 -137.00	222.85
26 56 13 00-0320	EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,136.08 95.20 -37.92 -69.50 -145.34	250.70
26 56 13 00-0321	EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,223.26 99.92 -40.57 -74.49 -155.63	278.55
26 56 13 00-0322	EA 10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	989.95 90.00 -33.75 -61.50 -128.99	194.99
26 56 13 00-0323	EA 12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,082.53 95.53 -36.62 -66.86 -140.10	222.85
26 56 13 00-0324	EA 14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,178.40 101.55 -39.62 -72.46 -151.69	250.70
26 56 13 00-0325	EA 16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,273.16 107.41 -42.57 -77.98 -163.12	278.55
26 56 13 00-0326	EA 18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,373.36 114.08 -45.74 -83.88 -175.36	306.41
26 56 13 00-0327	EA 20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,467.04 119.78 -48.65 -89.32 -186.63	334.26
26 56 13 00-0328	EA 12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,124.85 101.88 -38.31 -69.83 -146.44	222.85
26 56 13 00-0329	EA 14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,228.30 109.04 -41.61 -75.95 -159.18	250.70
26 56 13 00-0330	EA 16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,330.67 116.03 -44.87 -82.00 -171.75	278.55
26 56 13 00-0331	EA 18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,435.20 123.36 -48.22 -88.21 -184.64	306.41
26 56 13 00-0332	EA 16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,391.42 125.15 -47.30 -86.26 -180.86	278.55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0333	EA		20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,609.16 141.09 -54.34 -99.27 -207.95	334.26
26 56 13 00-0334	EA		12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,164.99 107.90 -39.91 -72.64 -152.46	222.85
26 56 13 00-0335	EA		14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,280.38 116.85 -43.69 -79.60 -166.99	250.70
26 56 13 00-0336	EA		16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,384.91 124.17 -47.04 -85.80 -179.88	278.55
26 56 13 00-0337	EA		18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,495.95 132.47 -50.65 -92.46 -193.75	306.41
26 56 13 00-0338	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,603.74 140.28 -54.12 -98.89 -207.13	334.26
26 56 13 00-0339	EA		16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,464.11 136.05 -50.21 -91.35 -191.76	278.55
26 56 13 00-0340	EA		18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,584.92 145.82 -54.20 -98.69 -207.10	306.41
26 56 13 00-0341	EA		20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,637.37 145.33 -55.47 -101.25 -212.18	334.26
<b>26 56 13 00-0342</b>			<b>Round Straight, Aluminum Area Light Poles, Direct Burial</b> <small>(26 56 13 00-0295)</small> Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0343	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	677.80 39.93 79.85 -22.93 -41.88 -87.74	139.28
26 56 13 00-0344	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	726.28 41.99 83.97 -24.46 -44.71 -93.62	153.21
26 56 13 00-0345	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	802.95 46.87 93.74 -27.10 -49.52 -103.73	167.13
26 56 13 00-0346	EA		15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	827.90 49.36 98.73 -28.10 -51.27 -107.47	167.13
26 56 13 00-0347	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	859.37 52.51 105.02 -29.36 -53.47 -112.19	167.13
26 56 13 00-0348	EA		18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	982.70 62.06 124.12 -33.88 -61.55 -129.30	181.06
26 56 13 00-0349	EA		20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,050.70 66.07 132.14 -36.18 -65.75 -138.11	194.99

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0350	EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,218.87 82.89 165.78 -42.91 -77.52 -163.33	194.99
26 56 13 00-0351	EA 25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,490.47 104.48 208.96 -52.93 -95.42 -201.29	222.85
26 56 13 00-0352	EA 30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,691.57 119.02 238.03 -60.14 -108.38 -228.67	250.70
26 56 13 00-0353	EA 30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,890.11 138.87 277.74 -68.08 -122.28 -258.45	250.70
26 56 13 00-0354	Round Tapered, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0355	Round Tapered, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0354)</small>		
26 56 13 00-0356	EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	641.30 30.70 61.41 -20.64 -38.21 -79.48	167.13
26 56 13 00-0357	EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	721.97 33.20 66.40 -23.03 -42.74 -88.80	194.99
26 56 13 00-0358	EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	802.62 35.69 71.39 -25.42 -47.27 -98.11	222.85
26 56 13 00-0359	EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	893.06 39.17 78.33 -28.20 -52.49 -108.89	250.70
26 56 13 00-0360	EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	982.40 42.53 85.06 -30.94 -57.63 -119.50	278.55
26 56 13 00-0361	EA 10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	750.18 36.02 72.04 -24.16 -44.71 -93.03	194.99
26 56 13 00-0362	EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	847.10 40.14 80.28 -27.20 -50.38 -104.78	222.85
26 56 13 00-0363	EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	940.80 43.94 87.88 -30.11 -55.83 -116.05	250.70
26 56 13 00-0364	EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,120.57 50.78 101.55 -35.63 -66.18 -137.44	306.41
26 56 13 00-0365	EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,203.40 53.49 106.97 -38.11 -70.87 -147.08	334.26

<b>Electrical</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>
<b>Exterior Lighting</b>	<b>26 56</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0366	EA		12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	887.25	222.85
			For Bronze Or Satin Anodized Finish, Add	44.16	
			For Black Anodized Finish, Add	88.31	
			For >10 To 20, Deduct	-28.80	
			For >20 To 40, Deduct	-53.19	
			For >40, Deduct	-110.80	
26 56 13 00-0367	EA		14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	987.45	250.70
			For Bronze Or Satin Anodized Finish, Add	48.61	
			For Black Anodized Finish, Add	97.21	
			For >10 To 20, Deduct	-31.98	
			For >20 To 40, Deduct	-59.09	
			For >40, Deduct	-123.05	
26 56 13 00-0368	EA		16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,095.24	278.55
			For Bronze Or Satin Anodized Finish, Add	53.81	
			For Black Anodized Finish, Add	107.63	
			For >10 To 20, Deduct	-35.45	
			For >20 To 40, Deduct	-65.52	
			For >40, Deduct	-136.43	
26 56 13 00-0369	EA		18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,183.49	306.41
			For Bronze Or Satin Anodized Finish, Add	57.07	
			For Black Anodized Finish, Add	114.13	
			For >10 To 20, Deduct	-38.15	
			For >20 To 40, Deduct	-70.59	
			For >40, Deduct	-146.88	
26 56 13 00-0370	EA		20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,286.94	334.26
			For Bronze Or Satin Anodized Finish, Add	61.84	
			For Black Anodized Finish, Add	123.68	
			For >10 To 20, Deduct	-41.45	
			For >20 To 40, Deduct	-76.72	
			For >40, Deduct	-159.61	
26 56 13 00-0371	EA		16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,201.56	278.55
			For Bronze Or Satin Anodized Finish, Add	64.45	
			For Black Anodized Finish, Add	128.89	
			For >10 To 20, Deduct	-39.71	
			For >20 To 40, Deduct	-72.97	
			For >40, Deduct	-152.38	
26 56 13 00-0372	EA		18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,319.11	306.41
			For Bronze Or Satin Anodized Finish, Add	70.63	
			For Black Anodized Finish, Add	141.26	
			For >10 To 20, Deduct	-43.57	
			For >20 To 40, Deduct	-80.08	
			For >40, Deduct	-167.23	
26 56 13 00-0373	EA		20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,392.18	334.26
			For Bronze Or Satin Anodized Finish, Add	72.37	
			For Black Anodized Finish, Add	144.73	
			For >10 To 20, Deduct	-45.66	
			For >20 To 40, Deduct	-84.08	
			For >40, Deduct	-175.40	
26 56 13 00-0374	EA		23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,600.17	389.98
			For Bronze Or Satin Anodized Finish, Add	82.02	
			For Black Anodized Finish, Add	164.04	
			For >10 To 20, Deduct	-52.31	
			For >20 To 40, Deduct	-96.41	
			For >40, Deduct	-201.03	
26 56 13 00-0375	EA		25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,814.65	445.68
			For Bronze Or Satin Anodized Finish, Add	92.33	
			For Black Anodized Finish, Add	184.66	
			For >10 To 20, Deduct	-59.22	
			For >20 To 40, Deduct	-109.20	
			For >40, Deduct	-227.63	
26 56 13 00-0376	EA		18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,425.43	306.41
			For Bronze Or Satin Anodized Finish, Add	81.26	
			For Black Anodized Finish, Add	162.52	
			For >10 To 20, Deduct	-47.82	
			For >20 To 40, Deduct	-87.52	
			For >40, Deduct	-183.17	
26 56 13 00-0377	EA		20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,521.29	334.26
			For Bronze Or Satin Anodized Finish, Add	85.28	
			For Black Anodized Finish, Add	170.55	
			For >10 To 20, Deduct	-50.82	
			For >20 To 40, Deduct	-93.12	
			For >40, Deduct	-194.77	
26 56 13 00-0378	EA		23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,702.15	389.98
			For Bronze Or Satin Anodized Finish, Add	92.22	
			For Black Anodized Finish, Add	184.44	
			For >10 To 20, Deduct	-56.39	
			For >20 To 40, Deduct	-103.55	
			For >40, Deduct	-216.32	
26 56 13 00-0379	EA		25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,892.76	445.68
			For Bronze Or Satin Anodized Finish, Add	100.14	
			For Black Anodized Finish, Add	200.28	
			For >10 To 20, Deduct	-62.34	
			For >20 To 40, Deduct	-114.67	
			For >40, Deduct	-239.35	
26 56 13 00-0380	EA		28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,036.36	473.54
			For Bronze Or Satin Anodized Finish, Add	108.93	
			For Black Anodized Finish, Add	217.85	
			For >10 To 20, Deduct	-67.25	
			For >20 To 40, Deduct	-123.60	
			For >40, Deduct	-258.10	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0381	EA		30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,182.11	501.40
			For Bronze Or Satin Anodized Finish, Add	117.93	
			For Black Anodized Finish, Add	235.86	
			For >10 To 20, Deduct	-72.24	
			For >20 To 40, Deduct	-132.69	
			For >40, Deduct	-277.18	
26 56 13 00-0382	EA		23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,803.05	389.98
			For Bronze Or Satin Anodized Finish, Add	102.31	
			For Black Anodized Finish, Add	204.62	
			For >10 To 20, Deduct	-60.42	
			For >20 To 40, Deduct	-110.61	
			For >40, Deduct	-231.46	
26 56 13 00-0383	EA		25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,960.03	445.68
			For Bronze Or Satin Anodized Finish, Add	106.87	
			For Black Anodized Finish, Add	213.73	
			For >10 To 20, Deduct	-65.03	
			For >20 To 40, Deduct	-119.37	
			For >40, Deduct	-249.44	
26 56 13 00-0384	EA		28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,109.05	473.54
			For Bronze Or Satin Anodized Finish, Add	116.20	
			For Black Anodized Finish, Add	232.39	
			For >10 To 20, Deduct	-70.16	
			For >20 To 40, Deduct	-128.69	
			For >40, Deduct	-269.00	
26 56 13 00-0385	EA		30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,294.94	501.40
			For Bronze Or Satin Anodized Finish, Add	129.22	
			For Black Anodized Finish, Add	258.43	
			For >10 To 20, Deduct	-76.76	
			For >20 To 40, Deduct	-140.59	
			For >40, Deduct	-294.10	
26 56 13 00-0386	EA		33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,371.62	515.33
			For Bronze Or Satin Anodized Finish, Add	134.10	
			For Black Anodized Finish, Add	268.19	
			For >10 To 20, Deduct	-79.41	
			For >20 To 40, Deduct	-145.40	
			For >40, Deduct	-304.21	
26 56 13 00-0387	EA		35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,530.76	529.25
			For Bronze Or Satin Anodized Finish, Add	147.23	
			For Black Anodized Finish, Add	294.45	
			For >10 To 20, Deduct	-85.35	
			For >20 To 40, Deduct	-155.98	
			For >40, Deduct	-326.69	
26 56 13 00-0388	EA		12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	931.73	222.85
			For Bronze Or Satin Anodized Finish, Add	48.61	
			For Black Anodized Finish, Add	97.21	
			For >10 To 20, Deduct	-30.58	
			For >20 To 40, Deduct	-56.31	
			For >40, Deduct	-117.48	
26 56 13 00-0389	EA		14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,039.53	250.70
			For Bronze Or Satin Anodized Finish, Add	53.81	
			For Black Anodized Finish, Add	107.63	
			For >10 To 20, Deduct	-34.06	
			For >20 To 40, Deduct	-62.74	
			For >40, Deduct	-130.86	
26 56 13 00-0390	EA		16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,151.65	278.55
			For Bronze Or Satin Anodized Finish, Add	59.45	
			For Black Anodized Finish, Add	118.91	
			For >10 To 20, Deduct	-37.71	
			For >20 To 40, Deduct	-69.47	
			For >40, Deduct	-144.89	
26 56 13 00-0391	EA		18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,251.84	306.41
			For Bronze Or Satin Anodized Finish, Add	63.90	
			For Black Anodized Finish, Add	127.80	
			For >10 To 20, Deduct	-40.88	
			For >20 To 40, Deduct	-75.37	
			For >40, Deduct	-157.14	
26 56 13 00-0392	EA		20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,350.95	334.26
			For Bronze Or Satin Anodized Finish, Add	68.24	
			For Black Anodized Finish, Add	136.48	
			For >10 To 20, Deduct	-44.01	
			For >20 To 40, Deduct	-81.20	
			For >40, Deduct	-169.22	
26 56 13 00-0393	EA		16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,269.91	278.55
			For Bronze Or Satin Anodized Finish, Add	71.28	
			For Black Anodized Finish, Add	142.56	
			For >10 To 20, Deduct	-42.44	
			For >20 To 40, Deduct	-77.75	
			For >40, Deduct	-162.63	
26 56 13 00-0394	EA		18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,390.71	306.41
			For Bronze Or Satin Anodized Finish, Add	77.79	
			For Black Anodized Finish, Add	155.58	
			For >10 To 20, Deduct	-46.44	
			For >20 To 40, Deduct	-85.09	
			For >40, Deduct	-177.97	
26 56 13 00-0395	EA		20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,477.89	334.26
			For Bronze Or Satin Anodized Finish, Add	80.94	
			For Black Anodized Finish, Add	161.87	
			For >10 To 20, Deduct	-49.09	
			For >20 To 40, Deduct	-90.08	
			For >40, Deduct	-188.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0396	EA		23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,680.45	389.98
			<i>For Bronze Or Satin Anodized Finish, Add</i>	90.05	
			<i>For Black Anodized Finish, Add</i>	180.10	
			<i>For &gt;10 To 20, Deduct</i>	-55.52	
			<i>For &gt;20 To 40, Deduct</i>	-102.03	
			<i>For &gt;40, Deduct</i>	-213.07	
26 56 13 00-0397	EA		25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,889.51	445.68
			<i>For Bronze Or Satin Anodized Finish, Add</i>	99.81	
			<i>For Black Anodized Finish, Add</i>	199.63	
			<i>For &gt;10 To 20, Deduct</i>	-62.21	
			<i>For &gt;20 To 40, Deduct</i>	-114.44	
			<i>For &gt;40, Deduct</i>	-238.86	
26 56 13 00-0398	EA		23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,925.65	389.98
			<i>For Bronze Or Satin Anodized Finish, Add</i>	114.57	
			<i>For Black Anodized Finish, Add</i>	229.14	
			<i>For &gt;10 To 20, Deduct</i>	-65.33	
			<i>For &gt;20 To 40, Deduct</i>	-119.20	
			<i>For &gt;40, Deduct</i>	-249.85	
26 56 13 00-0399	EA		25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,122.77	445.68
			<i>For Bronze Or Satin Anodized Finish, Add</i>	123.14	
			<i>For Black Anodized Finish, Add</i>	246.28	
			<i>For &gt;10 To 20, Deduct</i>	-71.54	
			<i>For &gt;20 To 40, Deduct</i>	-130.77	
			<i>For &gt;40, Deduct</i>	-273.85	
26 56 13 00-0400	EA		28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,284.81	473.54
			<i>For Bronze Or Satin Anodized Finish, Add</i>	133.77	
			<i>For Black Anodized Finish, Add</i>	267.54	
			<i>For &gt;10 To 20, Deduct</i>	-77.19	
			<i>For &gt;20 To 40, Deduct</i>	-140.99	
			<i>For &gt;40, Deduct</i>	-295.37	
26 56 13 00-0401	EA		30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,428.39	501.40
			<i>For Bronze Or Satin Anodized Finish, Add</i>	142.56	
			<i>For Black Anodized Finish, Add</i>	285.12	
			<i>For &gt;10 To 20, Deduct</i>	-82.09	
			<i>For &gt;20 To 40, Deduct</i>	-149.93	
			<i>For &gt;40, Deduct</i>	-314.12	
26 56 13 00-0402	EA		33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,561.49	515.33
			<i>For Bronze Or Satin Anodized Finish, Add</i>	153.08	
			<i>For Black Anodized Finish, Add</i>	306.17	
			<i>For &gt;10 To 20, Deduct</i>	-87.00	
			<i>For &gt;20 To 40, Deduct</i>	-158.69	
			<i>For &gt;40, Deduct</i>	-332.69	
26 56 13 00-0403	EA		35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,677.23	529.25
			<i>For Bronze Or Satin Anodized Finish, Add</i>	161.87	
			<i>For Black Anodized Finish, Add</i>	323.74	
			<i>For &gt;10 To 20, Deduct</i>	-91.21	
			<i>For &gt;20 To 40, Deduct</i>	-166.24	
			<i>For &gt;40, Deduct</i>	-348.66	
26 56 13 00-0404	EA		37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,775.60	543.18
			<i>For Bronze Or Satin Anodized Finish, Add</i>	168.92	
			<i>For Black Anodized Finish, Add</i>	337.85	
			<i>For &gt;10 To 20, Deduct</i>	-94.73	
			<i>For &gt;20 To 40, Deduct</i>	-172.56	
			<i>For &gt;40, Deduct</i>	-362.02	
26 56 13 00-0405	EA		39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,955.35	557.11
			<i>For Bronze Or Satin Anodized Finish, Add</i>	184.11	
			<i>For Black Anodized Finish, Add</i>	368.23	
			<i>For &gt;10 To 20, Deduct</i>	-101.50	
			<i>For &gt;20 To 40, Deduct</i>	-184.59	
			<i>For &gt;40, Deduct</i>	-387.59	
26 56 13 00-0406	EA		28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,753.50	473.54
			<i>For Bronze Or Satin Anodized Finish, Add</i>	180.64	
			<i>For Black Anodized Finish, Add</i>	361.28	
			<i>For &gt;10 To 20, Deduct</i>	-95.93	
			<i>For &gt;20 To 40, Deduct</i>	-173.80	
			<i>For &gt;40, Deduct</i>	-365.67	
26 56 13 00-0407	EA		30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,970.85	501.40
			<i>For Bronze Or Satin Anodized Finish, Add</i>	196.81	
			<i>For Black Anodized Finish, Add</i>	393.61	
			<i>For &gt;10 To 20, Deduct</i>	-103.79	
			<i>For &gt;20 To 40, Deduct</i>	-187.90	
			<i>For &gt;40, Deduct</i>	-395.49	
26 56 13 00-0408	EA		33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,125.65	515.33
			<i>For Bronze Or Satin Anodized Finish, Add</i>	209.50	
			<i>For Black Anodized Finish, Add</i>	419.00	
			<i>For &gt;10 To 20, Deduct</i>	-109.57	
			<i>For &gt;20 To 40, Deduct</i>	-198.18	
			<i>For &gt;40, Deduct</i>	-417.32	
26 56 13 00-0409	EA		35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,242.47	529.25
			<i>For Bronze Or Satin Anodized Finish, Add</i>	218.40	
			<i>For Black Anodized Finish, Add</i>	436.79	
			<i>For &gt;10 To 20, Deduct</i>	-113.82	
			<i>For &gt;20 To 40, Deduct</i>	-205.80	
			<i>For &gt;40, Deduct</i>	-433.45	
26 56 13 00-0410	EA		37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,306.13	543.18
			<i>For Bronze Or Satin Anodized Finish, Add</i>	221.98	
			<i>For Black Anodized Finish, Add</i>	443.95	
			<i>For &gt;10 To 20, Deduct</i>	-115.95	
			<i>For &gt;20 To 40, Deduct</i>	-209.70	
			<i>For &gt;40, Deduct</i>	-441.60	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0411	EA 39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,504.32	557.11
	For Bronze Or Satin Anodized Finish, Add	239.01	
	For Black Anodized Finish, Add	478.02	
	For >10 To 20, Deduct	-123.46	
	For >20 To 40, Deduct	-223.02	
	For >40, Deduct	-469.94	
26 56 13 00-0412	EA 28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,604.86	473.54
	For Bronze Or Satin Anodized Finish, Add	165.78	
	For Black Anodized Finish, Add	331.55	
	For >10 To 20, Deduct	-89.99	
	For >20 To 40, Deduct	-163.40	
	For >40, Deduct	-343.37	
26 56 13 00-0413	EA 30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,802.69	501.40
	For Bronze Or Satin Anodized Finish, Add	179.99	
	For Black Anodized Finish, Add	359.98	
	For >10 To 20, Deduct	-97.07	
	For >20 To 40, Deduct	-176.13	
	For >40, Deduct	-370.26	
26 56 13 00-0414	EA 33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,879.37	515.33
	For Bronze Or Satin Anodized Finish, Add	184.87	
	For Black Anodized Finish, Add	369.74	
	For >10 To 20, Deduct	-99.72	
	For >20 To 40, Deduct	-180.94	
	For >40, Deduct	-380.37	
26 56 13 00-0415	EA 35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,080.82	529.25
	For Bronze Or Satin Anodized Finish, Add	202.23	
	For Black Anodized Finish, Add	404.46	
	For >10 To 20, Deduct	-107.36	
	For >20 To 40, Deduct	-194.49	
	For >40, Deduct	-409.20	
26 56 13 00-0416	EA 37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,178.10	543.18
	For Bronze Or Satin Anodized Finish, Add	209.17	
	For Black Anodized Finish, Add	418.35	
	For >10 To 20, Deduct	-110.83	
	For >20 To 40, Deduct	-200.74	
	For >40, Deduct	-422.40	
26 56 13 00-0417	EA 39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,377.38	557.11
	For Bronze Or Satin Anodized Finish, Add	226.32	
	For Black Anodized Finish, Add	452.63	
	For >10 To 20, Deduct	-118.38	
	For >20 To 40, Deduct	-214.13	
	For >40, Deduct	-450.90	
26 56 13 00-0418	EA 28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,284.03	473.54
	For Bronze Or Satin Anodized Finish, Add	233.69	
	For Black Anodized Finish, Add	467.39	
	For >10 To 20, Deduct	-117.15	
	For >20 To 40, Deduct	-210.94	
	For >40, Deduct	-445.25	
26 56 13 00-0419	EA 30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,472.09	501.40
	For Bronze Or Satin Anodized Finish, Add	246.93	
	For Black Anodized Finish, Add	493.86	
	For >10 To 20, Deduct	-123.84	
	For >20 To 40, Deduct	-222.99	
	For >40, Deduct	-470.67	
26 56 13 00-0420	EA 33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,629.06	515.33
	For Bronze Or Satin Anodized Finish, Add	259.84	
	For Black Anodized Finish, Add	519.68	
	For >10 To 20, Deduct	-129.70	
	For >20 To 40, Deduct	-233.42	
	For >40, Deduct	-492.83	
26 56 13 00-0421	EA 35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,873.90	529.25
	For Bronze Or Satin Anodized Finish, Add	281.54	
	For Black Anodized Finish, Add	563.08	
	For >10 To 20, Deduct	-139.08	
	For >20 To 40, Deduct	-250.00	
	For >40, Deduct	-528.16	
26 56 13 00-0422	EA 37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,925.62	543.18
	For Bronze Or Satin Anodized Finish, Add	283.93	
	For Black Anodized Finish, Add	567.85	
	For >10 To 20, Deduct	-140.73	
	For >20 To 40, Deduct	-253.07	
	For >40, Deduct	-534.53	
26 56 13 00-0423	EA 39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	4,169.38	557.11
	For Bronze Or Satin Anodized Finish, Add	305.52	
	For Black Anodized Finish, Add	611.03	
	For >10 To 20, Deduct	-150.06	
	For >20 To 40, Deduct	-269.57	
	For >40, Deduct	-569.70	
26 56 13 00-0424	EA 48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	5,228.81	835.66
	For Bronze Or Satin Anodized Finish, Add	355.75	
	For Black Anodized Finish, Add	711.50	
	For >10 To 20, Deduct	-184.08	
	For >20 To 40, Deduct	-332.59	
	For >40, Deduct	-700.76	
26 56 13 00-0425	EA 50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	5,363.34	835.66
	For Bronze Or Satin Anodized Finish, Add	369.20	
	For Black Anodized Finish, Add	738.40	
	For >10 To 20, Deduct	-189.46	
	For >20 To 40, Deduct	-342.01	
	For >40, Deduct	-720.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56	13 00-0426	Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base <small>(26 56 13 00-0354)</small>			
26 56 13 00-0427	EA	8'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	874.56	167.13
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	81.05	
			<i>For &gt;10 To 20, Deduct</i>	-29.97	
			<i>For &gt;20 To 40, Deduct</i>	-54.53	
			<i>For &gt;40, Deduct</i>	-114.47	
26 56 13 00-0428	EA	10'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	953.06	194.99
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	84.46	
			<i>For &gt;10 To 20, Deduct</i>	-32.27	
			<i>For &gt;20 To 40, Deduct</i>	-58.91	
			<i>For &gt;40, Deduct</i>	-123.46	
26 56 13 00-0429	EA	12'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,032.63	222.85
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	88.04	
			<i>For &gt;10 To 20, Deduct</i>	-34.62	
			<i>For &gt;20 To 40, Deduct</i>	-63.37	
			<i>For &gt;40, Deduct</i>	-132.61	
26 56 13 00-0430	EA	14'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,114.39	250.70
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	91.95	
			<i>For &gt;10 To 20, Deduct</i>	-37.05	
			<i>For &gt;20 To 40, Deduct</i>	-67.98	
			<i>For &gt;40, Deduct</i>	-142.09	
26 56 13 00-0431	EA	16'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,195.05	278.55
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	95.69	
			<i>For &gt;10 To 20, Deduct</i>	-39.45	
			<i>For &gt;20 To 40, Deduct</i>	-72.51	
			<i>For &gt;40, Deduct</i>	-151.40	
26 56 13 00-0432	EA	10'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	966.08	194.99
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	86.42	
			<i>For &gt;10 To 20, Deduct</i>	-32.79	
			<i>For &gt;20 To 40, Deduct</i>	-59.83	
			<i>For &gt;40, Deduct</i>	-125.41	
26 56 13 00-0433	EA	12'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,047.82	222.85
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	90.32	
			<i>For &gt;10 To 20, Deduct</i>	-35.23	
			<i>For &gt;20 To 40, Deduct</i>	-64.43	
			<i>For &gt;40, Deduct</i>	-134.89	
26 56 13 00-0434	EA	14'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,131.74	250.70
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	94.55	
			<i>For &gt;10 To 20, Deduct</i>	-37.75	
			<i>For &gt;20 To 40, Deduct</i>	-69.19	
			<i>For &gt;40, Deduct</i>	-144.69	
26 56 13 00-0435	EA	16'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,214.58	278.55
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	98.62	
			<i>For &gt;10 To 20, Deduct</i>	-40.23	
			<i>For &gt;20 To 40, Deduct</i>	-73.88	
			<i>For &gt;40, Deduct</i>	-154.33	
26 56 13 00-0436	EA	18'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,311.51	306.41
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	104.80	
			<i>For &gt;10 To 20, Deduct</i>	-43.27	
			<i>For &gt;20 To 40, Deduct</i>	-79.55	
			<i>For &gt;40, Deduct</i>	-166.09	
26 56 13 00-0437	EA	20'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,398.69	334.26
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	109.52	
			<i>For &gt;10 To 20, Deduct</i>	-45.92	
			<i>For &gt;20 To 40, Deduct</i>	-84.54	
			<i>For &gt;40, Deduct</i>	-176.38	
26 56 13 00-0438	EA	12'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,090.13	222.85
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	96.67	
			<i>For &gt;10 To 20, Deduct</i>	-36.92	
			<i>For &gt;20 To 40, Deduct</i>	-67.40	
			<i>For &gt;40, Deduct</i>	-141.24	
26 56 13 00-0439	EA	14'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,179.48	250.70
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	101.71	
			<i>For &gt;10 To 20, Deduct</i>	-39.66	
			<i>For &gt;20 To 40, Deduct</i>	-72.54	
			<i>For &gt;40, Deduct</i>	-151.85	
26 56 13 00-0440	EA	16'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,281.84	278.55
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	108.71	
			<i>For &gt;10 To 20, Deduct</i>	-42.92	
			<i>For &gt;20 To 40, Deduct</i>	-78.59	
			<i>For &gt;40, Deduct</i>	-164.42	
26 56 13 00-0441	EA	18'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,373.36	306.41
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	114.08	
			<i>For &gt;10 To 20, Deduct</i>	-45.74	
			<i>For &gt;20 To 40, Deduct</i>	-83.88	
			<i>For &gt;40, Deduct</i>	-175.36	
26 56 13 00-0442	EA	20'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,478.97	334.26
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	121.57	
			<i>For &gt;10 To 20, Deduct</i>	-49.13	
			<i>For &gt;20 To 40, Deduct</i>	-90.16	
			<i>For &gt;40, Deduct</i>	-188.42	
26 56 13 00-0443	EA	16'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,343.68	278.55
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	117.99	
			<i>For &gt;10 To 20, Deduct</i>	-45.39	
			<i>For &gt;20 To 40, Deduct</i>	-82.92	
			<i>For &gt;40, Deduct</i>	-173.70	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0444	EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,456.90 126.61 -49.08 -89.73 -187.89	306.41
26 56 13 00-0445	EA 20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,546.24 131.66 -51.82 -94.87 -198.51	334.26
26 56 13 00-0446	EA 12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,123.76 101.71 -38.27 -69.75 -146.28	222.85
26 56 13 00-0447	EA 14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,230.47 109.36 -41.70 -76.10 -159.50	250.70
26 56 13 00-0448	EA 16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,343.68 117.99 -45.39 -82.92 -173.70	278.55
26 56 13 00-0449	EA 18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,443.88 124.66 -48.56 -88.82 -185.94	306.41
26 56 13 00-0450	EA 20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,551.66 132.47 -52.04 -95.25 -199.32	334.26
26 56 13 00-0451	EA 16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,414.20 128.56 -48.21 -87.85 -184.27	278.55
26 56 13 00-0452	EA 18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,536.10 138.49 -52.25 -95.27 -199.77	306.41
26 56 13 00-0453	EA 20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,630.86 144.35 -55.21 -100.79 -211.20	334.26
<b>26 56 13 00-0454 Round Tapered, Aluminum Area Light Poles, Direct Burial</b> <small>(26 56 13 00-0354)</small>			
Note: Includes rubberized undercoating on embedded portion.			
26 56 13 00-0455	EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	599.69 32.11 64.23 -19.81 -36.41 -76.03	139.28
26 56 13 00-0456	EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	630.07 35.15 70.30 -21.02 -38.53 -80.58	139.28
26 56 13 00-0457	EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	682.88 37.65 75.29 -22.72 -41.67 -87.11	153.21
26 56 13 00-0458	EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	728.09 39.38 78.77 -24.11 -44.28 -92.50	167.13
26 56 13 00-0459	EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	767.15 43.29 86.58 -25.67 -47.02 -98.36	167.13
26 56 13 00-0460	EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	712.17 40.58 81.15 -23.89 -43.72 -91.51	153.21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0461	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	770.40	167.13
			For Bronze Or Satin Anodized Finish, Add	43.61	
			For Black Anodized Finish, Add	87.23	
			For >10 To 20, Deduct	-25.80	
			For >20 To 40, Deduct	-47.24	
			For >40, Deduct	-98.85	
26 56 13 00-0462	EA		16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	792.10	167.13
			For Bronze Or Satin Anodized Finish, Add	45.78	
			For Black Anodized Finish, Add	91.57	
			For >10 To 20, Deduct	-26.67	
			For >20 To 40, Deduct	-48.76	
			For >40, Deduct	-102.10	
26 56 13 00-0463	EA		18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	854.68	181.06
			For Bronze Or Satin Anodized Finish, Add	49.26	
			For Black Anodized Finish, Add	98.51	
			For >10 To 20, Deduct	-28.76	
			For >20 To 40, Deduct	-52.59	
			For >40, Deduct	-110.10	
26 56 13 00-0464	EA		20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	912.92	194.99
			For Bronze Or Satin Anodized Finish, Add	52.29	
			For Black Anodized Finish, Add	104.59	
			For >10 To 20, Deduct	-30.67	
			For >20 To 40, Deduct	-56.10	
			For >40, Deduct	-117.44	
26 56 13 00-0465	EA		16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	855.03	167.13
			For Bronze Or Satin Anodized Finish, Add	52.08	
			For Black Anodized Finish, Add	104.15	
			For >10 To 20, Deduct	-29.19	
			For >20 To 40, Deduct	-53.17	
			For >40, Deduct	-111.54	
26 56 13 00-0466	EA		18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	924.11	181.06
			For Bronze Or Satin Anodized Finish, Add	56.20	
			For Black Anodized Finish, Add	112.40	
			For >10 To 20, Deduct	-31.53	
			For >20 To 40, Deduct	-57.45	
			For >40, Deduct	-120.51	
26 56 13 00-0467	EA		20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	987.78	194.99
			For Bronze Or Satin Anodized Finish, Add	59.78	
			For Black Anodized Finish, Add	119.56	
			For >10 To 20, Deduct	-33.66	
			For >20 To 40, Deduct	-61.35	
			For >40, Deduct	-128.67	
26 56 13 00-0468	EA		18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	1,013.08	181.06
			For Bronze Or Satin Anodized Finish, Add	65.10	
			For Black Anodized Finish, Add	130.19	
			For >10 To 20, Deduct	-35.09	
			For >20 To 40, Deduct	-63.67	
			For >40, Deduct	-133.86	
26 56 13 00-0469	EA		25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	1,299.52	222.85
			For Bronze Or Satin Anodized Finish, Add	85.38	
			For Black Anodized Finish, Add	170.77	
			For >10 To 20, Deduct	-45.30	
			For >20 To 40, Deduct	-82.05	
			For >40, Deduct	-172.64	
26 56 13 00-0470	EA		25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	1,422.12	222.85
			For Bronze Or Satin Anodized Finish, Add	97.64	
			For Black Anodized Finish, Add	195.29	
			For >10 To 20, Deduct	-50.20	
			For >20 To 40, Deduct	-90.63	
			For >40, Deduct	-191.03	
26 56 13 00-0471	EA		30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	1,583.08	250.70
			For Bronze Or Satin Anodized Finish, Add	108.17	
			For Black Anodized Finish, Add	216.34	
			For >10 To 20, Deduct	-55.80	
			For >20 To 40, Deduct	-100.79	
			For >40, Deduct	-212.39	
26 56 13 00-0472	EA		30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	1,716.52	250.70
			For Bronze Or Satin Anodized Finish, Add	121.51	
			For Black Anodized Finish, Add	243.02	
			For >10 To 20, Deduct	-61.14	
			For >20 To 40, Deduct	-110.13	
			For >40, Deduct	-232.41	
26 56 13 00-0473			Square Straight, Aluminum Area Light Poles (26 56 13 00-0294)		
26 56 13 00-0474			Square Straight, Aluminum Area Light Poles, Anchor Base (26 56 13 00-0473)		
26 56 13 00-0475	EA		8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base.....	782.34	167.13
			For Bronze Or Satin Anodized Finish, Add	44.81	
			For Black Anodized Finish, Add	89.62	
			For >10 To 20, Deduct	-26.28	
			For >20 To 40, Deduct	-48.08	
			For >40, Deduct	-100.64	
26 56 13 00-0476	EA		10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base.....	860.84	194.99
			For Bronze Or Satin Anodized Finish, Add	47.09	
			For Black Anodized Finish, Add	94.17	
			For >10 To 20, Deduct	-28.58	
			For >20 To 40, Deduct	-52.46	
			For >40, Deduct	-109.63	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0477	EA		12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base.....	948.00	222.85
			For Bronze Or Satin Anodized Finish, Add	50.23	
			For Black Anodized Finish, Add	100.46	
			For >10 To 20, Deduct	-31.23	
			For >20 To 40, Deduct	-57.45	
			For >40, Deduct	-119.92	
26 56 13 00-0478	EA		14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,034.10	250.70
			For Bronze Or Satin Anodized Finish, Add	53.27	
			For Black Anodized Finish, Add	106.54	
			For >10 To 20, Deduct	-33.84	
			For >20 To 40, Deduct	-62.36	
			For >40, Deduct	-130.05	
26 56 13 00-0479	EA		15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,081.48	264.63
			For Bronze Or Satin Anodized Finish, Add	55.22	
			For Black Anodized Finish, Add	110.45	
			For >10 To 20, Deduct	-35.32	
			For >20 To 40, Deduct	-65.12	
			For >40, Deduct	-135.76	
26 56 13 00-0480	EA		16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,128.87	278.55
			For Bronze Or Satin Anodized Finish, Add	57.18	
			For Black Anodized Finish, Add	114.35	
			For >10 To 20, Deduct	-36.80	
			For >20 To 40, Deduct	-67.88	
			For >40, Deduct	-141.48	
26 56 13 00-0481	EA		18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,221.47	306.41
			For Bronze Or Satin Anodized Finish, Add	60.87	
			For Black Anodized Finish, Add	121.73	
			For >10 To 20, Deduct	-39.67	
			For >20 To 40, Deduct	-73.25	
			For >40, Deduct	-152.58	
26 56 13 00-0482	EA		20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,323.83	334.26
			For Bronze Or Satin Anodized Finish, Add	65.53	
			For Black Anodized Finish, Add	131.06	
			For >10 To 20, Deduct	-42.93	
			For >20 To 40, Deduct	-79.30	
			For >40, Deduct	-165.15	
26 56 13 00-0483	EA		16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,203.73	278.55
			For Bronze Or Satin Anodized Finish, Add	64.66	
			For Black Anodized Finish, Add	129.32	
			For >10 To 20, Deduct	-39.79	
			For >20 To 40, Deduct	-73.12	
			For >40, Deduct	-152.70	
26 56 13 00-0484	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,298.50	306.41
			For Bronze Or Satin Anodized Finish, Add	68.57	
			For Black Anodized Finish, Add	137.14	
			For >10 To 20, Deduct	-42.75	
			For >20 To 40, Deduct	-78.64	
			For >40, Deduct	-164.13	
26 56 13 00-0485	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,407.37	334.26
			For Bronze Or Satin Anodized Finish, Add	73.88	
			For Black Anodized Finish, Add	147.77	
			For >10 To 20, Deduct	-46.27	
			For >20 To 40, Deduct	-85.15	
			For >40, Deduct	-177.68	
26 56 13 00-0486	EA		15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,406.96	264.63
			For Bronze Or Satin Anodized Finish, Add	87.77	
			For Black Anodized Finish, Add	175.54	
			For >10 To 20, Deduct	-48.34	
			For >20 To 40, Deduct	-87.90	
			For >40, Deduct	-184.58	
26 56 13 00-0487	EA		20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,718.74	334.26
			For Bronze Or Satin Anodized Finish, Add	105.02	
			For Black Anodized Finish, Add	210.04	
			For >10 To 20, Deduct	-58.72	
			For >20 To 40, Deduct	-106.94	
			For >40, Deduct	-224.38	
26 56 13 00-0488	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base.....	2,077.20	445.68
			For Bronze Or Satin Anodized Finish, Add	118.58	
			For Black Anodized Finish, Add	237.17	
			For >10 To 20, Deduct	-69.72	
			For >20 To 40, Deduct	-127.58	
			For >40, Deduct	-267.01	
26 56 13 00-0489	EA		20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,474.63	334.26
			For Bronze Or Satin Anodized Finish, Add	80.61	
			For Black Anodized Finish, Add	161.22	
			For >10 To 20, Deduct	-48.96	
			For >20 To 40, Deduct	-89.85	
			For >40, Deduct	-187.77	
26 56 13 00-0490	EA		20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,850.02	334.26
			For Bronze Or Satin Anodized Finish, Add	118.15	
			For Black Anodized Finish, Add	236.30	
			For >10 To 20, Deduct	-63.97	
			For >20 To 40, Deduct	-116.13	
			For >40, Deduct	-244.08	
26 56 13 00-0491	EA		25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base.....	2,196.54	445.68
			For Bronze Or Satin Anodized Finish, Add	130.52	
			For Black Anodized Finish, Add	261.03	
			For >10 To 20, Deduct	-74.49	
			For >20 To 40, Deduct	-135.93	
			For >40, Deduct	-284.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0492	EA		20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base.....	2,056.16	334.26
			For Bronze Or Satin Anodized Finish, Add	138.76	
			For Black Anodized Finish, Add	277.53	
			For >10 To 20, Deduct	-72.22	
			For >20 To 40, Deduct	-130.56	
			For >40, Deduct	-275.00	
26 56 13 00-0493	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base.....	2,465.60	445.68
			For Bronze Or Satin Anodized Finish, Add	157.42	
			For Black Anodized Finish, Add	314.85	
			For >10 To 20, Deduct	-85.25	
			For >20 To 40, Deduct	-154.76	
			For >40, Deduct	-325.27	
26 56 13 00-0494	EA		30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base.....	2,866.94	501.40
			For Bronze Or Satin Anodized Finish, Add	185.42	
			For Black Anodized Finish, Add	370.83	
			For >10 To 20, Deduct	-99.24	
			For >20 To 40, Deduct	-179.93	
			For >40, Deduct	-378.40	
<b>26 56 13 00-0495</b>			<b>Square Straight, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0473)</b>		
			Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0496	EA		10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial.....	706.01	139.28
			For Bronze Or Satin Anodized Finish, Add	42.75	
			For Black Anodized Finish, Add	85.49	
			For >10 To 20, Deduct	-24.06	
			For >20 To 40, Deduct	-43.85	
			For >40, Deduct	-91.97	
26 56 13 00-0497	EA		12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial.....	789.20	153.21
			For Bronze Or Satin Anodized Finish, Add	48.28	
			For Black Anodized Finish, Add	96.56	
			For >10 To 20, Deduct	-26.97	
			For >20 To 40, Deduct	-49.12	
			For >40, Deduct	-103.06	
26 56 13 00-0498	EA		14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial.....	839.84	167.13
			For Bronze Or Satin Anodized Finish, Add	50.56	
			For Black Anodized Finish, Add	101.12	
			For >10 To 20, Deduct	-28.58	
			For >20 To 40, Deduct	-52.10	
			For >40, Deduct	-109.26	
26 56 13 00-0499	EA		15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial.....	866.96	167.13
			For Bronze Or Satin Anodized Finish, Add	53.27	
			For Black Anodized Finish, Add	106.54	
			For >10 To 20, Deduct	-29.66	
			For >20 To 40, Deduct	-54.00	
			For >40, Deduct	-113.33	
26 56 13 00-0500	EA		16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial.....	900.59	167.13
			For Bronze Or Satin Anodized Finish, Add	56.63	
			For Black Anodized Finish, Add	113.27	
			For >10 To 20, Deduct	-31.01	
			For >20 To 40, Deduct	-56.36	
			For >40, Deduct	-118.38	
26 56 13 00-0501	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial.....	1,043.46	181.06
			For Bronze Or Satin Anodized Finish, Add	68.13	
			For Black Anodized Finish, Add	136.27	
			For >10 To 20, Deduct	-36.31	
			For >20 To 40, Deduct	-65.80	
			For >40, Deduct	-138.41	
26 56 13 00-0502	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial.....	1,117.97	194.99
			For Bronze Or Satin Anodized Finish, Add	72.80	
			For Black Anodized Finish, Add	145.60	
			For >10 To 20, Deduct	-38.87	
			For >20 To 40, Deduct	-70.46	
			For >40, Deduct	-148.20	
26 56 13 00-0503	EA		20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial.....	1,288.30	194.99
			For Bronze Or Satin Anodized Finish, Add	89.83	
			For Black Anodized Finish, Add	179.66	
			For >10 To 20, Deduct	-45.68	
			For >20 To 40, Deduct	-82.38	
			For >40, Deduct	-173.75	
26 56 13 00-0504	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial.....	1,480.70	222.85
			For Bronze Or Satin Anodized Finish, Add	103.50	
			For Black Anodized Finish, Add	207.00	
			For >10 To 20, Deduct	-52.54	
			For >20 To 40, Deduct	-94.74	
			For >40, Deduct	-199.82	
26 56 13 00-0505	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial.....	1,861.51	222.85
			For Bronze Or Satin Anodized Finish, Add	141.58	
			For Black Anodized Finish, Add	283.17	
			For >10 To 20, Deduct	-67.78	
			For >20 To 40, Deduct	-121.39	
			For >40, Deduct	-256.94	
<b>26 56 13 00-0506</b>			<b>Factory Accessories For Aluminum Area Light Poles (26 56 13 00-0294)</b>		
26 56 13 00-0507	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles .....	55.74	
26 56 13 00-0508	EA		Extra Handhole For Aluminum Area Light Poles.....	40.44	
26 56 13 00-0509	EA		Vibration Dampener For Aluminum Area Light Poles.....	84.32	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0510	Fiberglass Area Light Poles <small>(26 56 13 00-0177)</small> Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0511	Round Tapered, Fiberglass Area Light Poles <small>(26 56 13 00-0510)</small>		
26 56 13 00-0512	Round Tapered, Fiberglass Area Light Poles, Anchor Base <small>(26 56 13 00-0511)</small>		
26 56 13 00-0513	EA 10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	1,314.39	194.99
	For >10 To 20, Deduct	-46.73	
	For >20 To 40, Deduct	-84.21	
	For >40, Deduct	-177.66	
26 56 13 00-0514	EA 12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	1,425.11	222.85
	For >10 To 20, Deduct	-50.32	
	For >20 To 40, Deduct	-90.84	
	For >40, Deduct	-191.48	
26 56 13 00-0515	EA 14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	1,537.43	250.70
	For >10 To 20, Deduct	-53.98	
	For >20 To 40, Deduct	-97.59	
	For >40, Deduct	-205.54	
26 56 13 00-0516	EA 16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	1,648.16	278.55
	For >10 To 20, Deduct	-57.57	
	For >20 To 40, Deduct	-104.23	
	For >40, Deduct	-219.37	
26 56 13 00-0517	EA 18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	1,787.19	306.41
	For >10 To 20, Deduct	-62.30	
	For >20 To 40, Deduct	-112.85	
	For >40, Deduct	-237.44	
26 56 13 00-0518	EA 20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	1,901.07	334.26
	For >10 To 20, Deduct	-66.01	
	For >20 To 40, Deduct	-119.70	
	For >40, Deduct	-251.73	
26 56 13 00-0519	EA 22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	2,069.10	389.98
	For >10 To 20, Deduct	-71.06	
	For >20 To 40, Deduct	-129.24	
	For >40, Deduct	-271.37	
26 56 13 00-0520	EA 24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	2,235.53	445.68
	For >10 To 20, Deduct	-76.05	
	For >20 To 40, Deduct	-138.66	
	For >40, Deduct	-290.76	
26 56 13 00-0521	EA 26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	2,362.87	445.68
	For >10 To 20, Deduct	-81.14	
	For >20 To 40, Deduct	-147.57	
	For >40, Deduct	-309.86	
26 56 13 00-0522	EA 28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	2,530.21	473.54
	For >10 To 20, Deduct	-87.00	
	For >20 To 40, Deduct	-158.17	
	For >40, Deduct	-332.18	
26 56 13 00-0523	EA 30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	2,697.54	501.40
	For >10 To 20, Deduct	-92.86	
	For >20 To 40, Deduct	-168.77	
	For >40, Deduct	-354.49	
26 56 13 00-0524	EA 10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	1,459.02	194.99
	For >10 To 20, Deduct	-52.51	
	For >20 To 40, Deduct	-94.33	
	For >40, Deduct	-199.35	
26 56 13 00-0525	EA 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	1,541.45	222.85
	For >10 To 20, Deduct	-54.97	
	For >20 To 40, Deduct	-98.99	
	For >40, Deduct	-208.93	
26 56 13 00-0526	EA 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	1,625.47	250.70
	For >10 To 20, Deduct	-57.50	
	For >20 To 40, Deduct	-103.75	
	For >40, Deduct	-218.75	
26 56 13 00-0527	EA 16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	1,712.62	278.55
	For >10 To 20, Deduct	-60.15	
	For >20 To 40, Deduct	-108.74	
	For >40, Deduct	-229.04	
26 56 13 00-0528	EA 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	1,807.63	306.41
	For >10 To 20, Deduct	-63.11	
	For >20 To 40, Deduct	-114.28	
	For >40, Deduct	-240.50	
26 56 13 00-0529	EA 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	1,901.07	334.26
	For >10 To 20, Deduct	-66.01	
	For >20 To 40, Deduct	-119.70	
	For >40, Deduct	-251.73	
26 56 13 00-0530	EA 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	2,050.23	389.98
	For >10 To 20, Deduct	-70.31	
	For >20 To 40, Deduct	-127.92	
	For >40, Deduct	-268.54	
26 56 13 00-0531	EA 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	2,235.53	445.68
	For >10 To 20, Deduct	-76.05	
	For >20 To 40, Deduct	-138.66	
	For >40, Deduct	-290.76	
26 56 13 00-0532	EA 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	2,288.98	445.68
	For >10 To 20, Deduct	-78.19	
	For >20 To 40, Deduct	-142.40	
	For >40, Deduct	-298.78	
26 56 13 00-0533	EA 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	2,399.73	473.54
	For >10 To 20, Deduct	-81.78	
	For >20 To 40, Deduct	-149.04	
	For >40, Deduct	-312.61	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0534	EA	30'	High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	2,510.45	501.40
			For >10 To 20, Deduct	-85.38	
			For >20 To 40, Deduct	-155.68	
			For >40, Deduct	-326.43	
26 56 13 00-0535	EA	10'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	1,671.26	194.99
			For >10 To 20, Deduct	-61.00	
			For >20 To 40, Deduct	-109.19	
			For >40, Deduct	-231.19	
26 56 13 00-0536	EA	12'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	1,775.69	222.85
			For >10 To 20, Deduct	-64.34	
			For >20 To 40, Deduct	-115.38	
			For >40, Deduct	-244.07	
26 56 13 00-0537	EA	14'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	1,880.15	250.70
			For >10 To 20, Deduct	-67.69	
			For >20 To 40, Deduct	-121.58	
			For >40, Deduct	-256.95	
26 56 13 00-0538	EA	16'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	1,986.17	278.55
			For >10 To 20, Deduct	-71.09	
			For >20 To 40, Deduct	-127.89	
			For >40, Deduct	-270.07	
26 56 13 00-0539	EA	18'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	2,098.47	306.41
			For >10 To 20, Deduct	-74.75	
			For >20 To 40, Deduct	-134.64	
			For >40, Deduct	-284.13	
26 56 13 00-0540	EA	20'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	2,220.21	334.26
			For >10 To 20, Deduct	-78.78	
			For >20 To 40, Deduct	-142.04	
			For >40, Deduct	-299.61	
26 56 13 00-0541	EA	22'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	2,411.82	389.98
			For >10 To 20, Deduct	-84.77	
			For >20 To 40, Deduct	-153.23	
			For >40, Deduct	-322.78	
26 56 13 00-0542	EA	24'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	2,604.98	445.68
			For >10 To 20, Deduct	-90.83	
			For >20 To 40, Deduct	-164.52	
			For >40, Deduct	-346.18	
26 56 13 00-0543	EA	26'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	2,686.73	445.68
			For >10 To 20, Deduct	-94.10	
			For >20 To 40, Deduct	-170.24	
			For >40, Deduct	-358.44	
26 56 13 00-0544	EA	28'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	2,871.36	473.54
			For >10 To 20, Deduct	-100.65	
			For >20 To 40, Deduct	-182.05	
			For >40, Deduct	-383.35	
26 56 13 00-0545	EA	30'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	3,019.82	501.40
			For >10 To 20, Deduct	-105.75	
			For >20 To 40, Deduct	-191.33	
			For >40, Deduct	-402.83	
26 56 13 00-0546	EA	32'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	3,140.43	515.33
			For >10 To 20, Deduct	-110.16	
			For >20 To 40, Deduct	-199.22	
			For >40, Deduct	-419.53	
26 56 13 00-0547	EA	34'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....	3,261.05	529.25
			For >10 To 20, Deduct	-114.56	
			For >20 To 40, Deduct	-207.10	
			For >40, Deduct	-436.23	

**26 56 13 00-0548 Round Tapered, Fiberglass Area Light Poles, Direct Burial** (26 56 13 00-0511)

26 56 13 00-0549	EA	10'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial .....	806.78	139.28
			For >10 To 20, Deduct	-28.09	
			For >20 To 40, Deduct	-50.90	
			For >40, Deduct	-107.09	
26 56 13 00-0550	EA	12'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial .....	864.51	153.21
			For >10 To 20, Deduct	-29.98	
			For >20 To 40, Deduct	-54.39	
			For >40, Deduct	-114.36	
26 56 13 00-0551	EA	14'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial .....	920.66	167.13
			For >10 To 20, Deduct	-31.81	
			For >20 To 40, Deduct	-57.76	
			For >40, Deduct	-121.39	
26 56 13 00-0552	EA	16'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial .....	947.39	167.13
			For >10 To 20, Deduct	-32.88	
			For >20 To 40, Deduct	-59.63	
			For >40, Deduct	-125.40	
26 56 13 00-0553	EA	18'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial .....	1,019.27	181.06
			For >10 To 20, Deduct	-35.34	
			For >20 To 40, Deduct	-64.11	
			For >40, Deduct	-134.78	
26 56 13 00-0554	EA	20'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial .....	1,078.57	194.99
			For >10 To 20, Deduct	-37.29	
			For >20 To 40, Deduct	-67.70	
			For >40, Deduct	-142.29	
26 56 13 00-0555	EA	22'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial .....	1,142.59	208.91
			For >10 To 20, Deduct	-39.44	
			For >20 To 40, Deduct	-71.62	
			For >40, Deduct	-150.50	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0556	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,214.45	222.85
			<i>For &gt;10 To 20, Deduct</i>	-41.89	
			<i>For &gt;20 To 40, Deduct</i>	-76.10	
			<i>For &gt;40, Deduct</i>	-159.88	
26 56	13 00-0557	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,365.37	222.85
			<i>For &gt;10 To 20, Deduct</i>	-47.93	
			<i>For &gt;20 To 40, Deduct</i>	-86.66	
			<i>For &gt;40, Deduct</i>	-182.52	
26 56	13 00-0558	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,544.15	236.77
			<i>For &gt;10 To 20, Deduct</i>	-54.66	
			<i>For &gt;20 To 40, Deduct</i>	-98.62	
			<i>For &gt;40, Deduct</i>	-207.95	
26 56	13 00-0559	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,722.94	250.70
			<i>For &gt;10 To 20, Deduct</i>	-61.40	
			<i>For &gt;20 To 40, Deduct</i>	-110.58	
			<i>For &gt;40, Deduct</i>	-233.37	
26 56	13 00-0560	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	951.42	139.28
			<i>For &gt;10 To 20, Deduct</i>	-33.88	
			<i>For &gt;20 To 40, Deduct</i>	-61.03	
			<i>For &gt;40, Deduct</i>	-128.79	
26 56	13 00-0561	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,017.01	153.21
			<i>For &gt;10 To 20, Deduct</i>	-36.08	
			<i>For &gt;20 To 40, Deduct</i>	-65.06	
			<i>For &gt;40, Deduct</i>	-137.23	
26 56	13 00-0562	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,082.59	167.13
			<i>For &gt;10 To 20, Deduct</i>	-38.29	
			<i>For &gt;20 To 40, Deduct</i>	-69.10	
			<i>For &gt;40, Deduct</i>	-145.68	
26 56	13 00-0563	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,121.89	167.13
			<i>For &gt;10 To 20, Deduct</i>	-39.86	
			<i>For &gt;20 To 40, Deduct</i>	-71.85	
			<i>For &gt;40, Deduct</i>	-151.57	
26 56	13 00-0564	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,187.48	181.06
			<i>For &gt;10 To 20, Deduct</i>	-42.07	
			<i>For &gt;20 To 40, Deduct</i>	-75.88	
			<i>For &gt;40, Deduct</i>	-160.02	
26 56	13 00-0565	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,253.07	194.99
			<i>For &gt;10 To 20, Deduct</i>	-44.27	
			<i>For &gt;20 To 40, Deduct</i>	-79.92	
			<i>For &gt;40, Deduct</i>	-168.46	
26 56	13 00-0566	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,318.66	208.91
			<i>For &gt;10 To 20, Deduct</i>	-46.48	
			<i>For &gt;20 To 40, Deduct</i>	-83.95	
			<i>For &gt;40, Deduct</i>	-176.91	
26 56	13 00-0567	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,420.39	222.85
			<i>For &gt;10 To 20, Deduct</i>	-50.13	
			<i>For &gt;20 To 40, Deduct</i>	-90.51	
			<i>For &gt;40, Deduct</i>	-190.77	
26 56	13 00-0568	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,566.60	222.85
			<i>For &gt;10 To 20, Deduct</i>	-55.98	
			<i>For &gt;20 To 40, Deduct</i>	-100.75	
			<i>For &gt;40, Deduct</i>	-212.71	
26 56	13 00-0569	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,742.24	236.77
			<i>For &gt;10 To 20, Deduct</i>	-62.59	
			<i>For &gt;20 To 40, Deduct</i>	-112.49	
			<i>For &gt;40, Deduct</i>	-237.66	
26 56	13 00-0570	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,916.31	250.70
			<i>For &gt;10 To 20, Deduct</i>	-69.13	
			<i>For &gt;20 To 40, Deduct</i>	-124.11	
			<i>For &gt;40, Deduct</i>	-262.38	
26 56	13 00-0571	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,078.76	139.28
			<i>For &gt;10 To 20, Deduct</i>	-38.97	
			<i>For &gt;20 To 40, Deduct</i>	-69.94	
			<i>For &gt;40, Deduct</i>	-147.89	
26 56	13 00-0572	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,134.92	153.21
			<i>For &gt;10 To 20, Deduct</i>	-40.80	
			<i>For &gt;20 To 40, Deduct</i>	-73.32	
			<i>For &gt;40, Deduct</i>	-154.92	
26 56	13 00-0573	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,189.49	167.13
			<i>For &gt;10 To 20, Deduct</i>	-42.57	
			<i>For &gt;20 To 40, Deduct</i>	-76.58	
			<i>For &gt;40, Deduct</i>	-161.71	
26 56	13 00-0574	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,216.22	167.13
			<i>For &gt;10 To 20, Deduct</i>	-43.63	
			<i>For &gt;20 To 40, Deduct</i>	-78.45	
			<i>For &gt;40, Deduct</i>	-165.72	
26 56	13 00-0575	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,270.81	181.06
			<i>For &gt;10 To 20, Deduct</i>	-45.40	
			<i>For &gt;20 To 40, Deduct</i>	-81.71	
			<i>For &gt;40, Deduct</i>	-172.52	
26 56	13 00-0576	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,326.96	194.99
			<i>For &gt;10 To 20, Deduct</i>	-47.23	
			<i>For &gt;20 To 40, Deduct</i>	-85.09	
			<i>For &gt;40, Deduct</i>	-179.55	
26 56	13 00-0577	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,436.57	208.91
			<i>For &gt;10 To 20, Deduct</i>	-51.20	
			<i>For &gt;20 To 40, Deduct</i>	-92.20	
			<i>For &gt;40, Deduct</i>	-194.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0578	EA		24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial ..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,565.03 -55.92 -100.64 -212.47	222.85
26 56 13 00-0579	EA		26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial ..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,656.21 -59.56 -107.02 -226.15	222.85
26 56 13 00-0580	EA		28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial ..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,776.83 -63.97 -114.91 -242.85	236.77
26 56 13 00-0581	EA		30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial ..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,897.44 -68.38 -122.79 -259.55	250.70
<b>26 56 13 00-0582</b>			<b>Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0510)</b>		
26 56 13 00-0583	EA		Open Or Capped Top For Fiberglass Area Light Poles .....	55.74	
26 56 13 00-0584	EA		Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles.....	55.74	
26 56 13 00-0585	EA		Smooth Shaft Finish For Fiberglass Area Light Poles.....	105.76	
26 56 13 00-0586	EA		Vibration Dampener For Fiberglass Area Light Poles .....	140.06	
<b>26 56 13 00-0587</b>			<b>Concrete Area Light Poles (26 56 13 00-0177)</b>		
<b>26 56 13 00-0588</b>			<b>Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0587)</b>		
26 56 13 00-0589	EA		28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,801.61	473.54
26 56 13 00-0590	EA		30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,900.04	501.40
26 56 13 00-0591	EA		33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,969.63	515.33
26 56 13 00-0592	EA		36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,418.59	529.25
26 56 13 00-0593	EA		38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,678.30	557.11
26 56 13 00-0594	EA		43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,324.47	724.24
26 56 13 00-0595	EA		47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,989.19	891.37
26 56 13 00-0596	EA		27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base..... Note: Polished brown with acrylic coating finish.	3,760.46	473.54
26 56 13 00-0597	EA		30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base..... Note: Polished brown with acrylic coating finish.	4,327.70	501.40
26 56 13 00-0598	EA		Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40' .....	522.98	167.13
26 56 13 00-0599	EA		13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design .....	2,250.94	334.15
26 56 13 00-0600	EA		Pole Base Cover For All Octagon Poles .....	203.07	68.19
26 56 13 00-0601	EA		Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze.....	415.91	136.38
<b>26 56 13 00-0602</b>			<b>Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)</b> Note: Round or square.		
26 56 13 00-0603	EA		13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	1,857.24	222.85
26 56 13 00-0604	EA		16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,105.96	278.55
26 56 13 00-0605	EA		18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,332.74	334.26
26 56 13 00-0606	EA		30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,260.10	501.40
26 56 13 00-0607	EA		35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,746.03	529.25
26 56 13 00-0608	EA		40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,270.83	557.11
26 56 13 00-0609	EA		45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,972.32	724.24
<b>26 56 13 00-0610</b>			<b>Round Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)</b>		
26 56 13 00-0611	EA		60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22).....	13,173.55	1,253.50
26 56 13 00-0612	EA		70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24).....	15,657.44	1,519.40
26 56 13 00-0613	EA		80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26).....	18,597.99	2,052.53
<b>26 56 13 00-0614</b>			<b>Treated Wood Area Light Poles (26 56 13 00-0177)</b> See CSI section 26 05 46 00-0001 for wood poles.		
<b>26 56 13 00-0615</b>			<b>Cast Iron Decorative Light Posts (26 56 13 00-0177)</b>		
<b>26 56 13 00-0616</b>			<b>Round Tapered, Cast Iron Decorative Light Post, Anchor Base (26 56 13 00-0615)</b> Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0617	EA		10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	1,080.57	139.28
26 56 13 00-0618	EA		12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	1,144.22	160.45
26 56 13 00-0619	EA		14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	1,238.43	167.13
26 56 13 00-0620	EA		16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	1,518.06	194.99
26 56 13 00-0621	EA		18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	1,767.53	211.70
26 56 13 00-0622	EA		20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	2,028.79	228.41
<b>26 56 13 00-0623</b>			<b>Landscape Light Poles (26 56 13 00-0001)</b> Note: Excludes lighting fixtures.		
<b>26 56 13 00-0624</b>			<b>Aluminum Landscape Light Poles (26 56 13 00-0623)</b> Note: Includes painted finish.		
<b>26 56 13 00-0625</b>			<b>Round Straight, Aluminum Landscape Light Poles (26 56 13 00-0624)</b>		
<b>26 56 13 00-0626</b>			<b>Round Straight, Aluminum Landscape Light Poles, Anchor Base (26 56 13 00-0625)</b>		
26 56 13 00-0627	EA		7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	430.81	167.13
26 56 13 00-0628	EA		12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	751.24	222.85

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 56 13 00-0629		Round Straight, Aluminum Landscape Light Poles, Direct Burial <small>(26 56 13 00-0625)</small>			
26 56 13 00-0630	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial .....	385.37		167.13
26 56 13 00-0631	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial .....	705.80		222.85
26 56 13 00-0632		Steel Landscape Light Poles <small>(26 56 13 00-0623)</small>			
		Note: Includes painted finish.			
26 56 13 00-0633		Round Straight, Steel Landscape Light Poles <small>(26 56 13 00-0632)</small>			
26 56 13 00-0634		Round Straight, Steel Landscape Light Poles, Anchor Base <small>(26 56 13 00-0633)</small>			
26 56 13 00-0635	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base .....	429.42		167.13
26 56 13 00-0636		Round Straight, Steel Landscape Light Poles, Direct Burial <small>(26 56 13 00-0633)</small>			
26 56 13 00-0637	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial .....	408.10		167.13
26 56 13 00-0638		Light Pole Brackets And Arms <small>(26 56 13 00-0001)</small>			
26 56 13 00-0639		Light Pole Brackets <small>(26 56 13 00-0638)</small>			
26 56 13 00-0640		Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0639)</small>			
26 56 13 00-0641		Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0640)</small>			
26 56 13 00-0642		Steel, Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0641)</small>			
		Note: Includes powdercoat finish.			
26 56 13 00-0643	EA	Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	448.47		33.43
		<i>For Galvanized Finish, Add</i>	38.16		
26 56 13 00-0644	EA	Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	563.60		33.43
		<i>For Galvanized Finish, Add</i>	49.68		
26 56 13 00-0645	EA	Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	598.75		33.43
		<i>For Galvanized Finish, Add</i>	53.19		
26 56 13 00-0646	EA	Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	815.69		33.43
		<i>For Galvanized Finish, Add</i>	74.88		
26 56 13 00-0647	EA	Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	849.47		33.43
		<i>For Galvanized Finish, Add</i>	78.26		
26 56 13 00-0648		Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0641)</small>			
		Note: Includes satin brushed or painted finish.			
26 56 13 00-0649	EA	Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket .....	243.69		33.43
		<i>For Bronze Or Satin Anodized Finish, Add</i>	17.68		
		<i>For Black Anodized Finish, Add</i>	35.37		
26 56 13 00-0650	EA	Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket .....	300.11		33.43
		<i>For Bronze Or Satin Anodized Finish, Add</i>	23.33		
		<i>For Black Anodized Finish, Add</i>	46.65		
26 56 13 00-0651	EA	Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket .....	315.30		33.43
		<i>For Bronze Or Satin Anodized Finish, Add</i>	24.85		
		<i>For Black Anodized Finish, Add</i>	49.69		
26 56 13 00-0652	EA	Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket .....	368.46		33.43
		<i>For Bronze Or Satin Anodized Finish, Add</i>	30.16		
		<i>For Black Anodized Finish, Add</i>	60.32		
26 56 13 00-0653	EA	Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket .....	379.31		33.43
		<i>For Bronze Or Satin Anodized Finish, Add</i>	31.25		
		<i>For Black Anodized Finish, Add</i>	62.49		
26 56 13 00-0654		Square Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0640)</small>			
26 56 13 00-0655		Steel, Square Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0654)</small>			
		Note: Includes powdercoat finish.			
26 56 13 00-0656	EA	Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket .....	481.34		33.43
		<i>For Galvanized Finish, Add</i>	41.45		
26 56 13 00-0657	EA	Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket .....	591.63		33.43
		<i>For Galvanized Finish, Add</i>	52.48		
26 56 13 00-0658	EA	Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket .....	721.16		33.43
		<i>For Galvanized Finish, Add</i>	65.43		
26 56 13 00-0659	EA	Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket .....	851.29		33.43
		<i>For Galvanized Finish, Add</i>	78.44		
26 56 13 00-0660		Wood Pole Clamp On Style, Pole Top Area Light Brackets <small>(26 56 13 00-0639)</small>			
26 56 13 00-0661		Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets <small>(26 56 13 00-0660)</small>			
		Note: Includes powdercoat finish.			
26 56 13 00-0662	EA	One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket .....	464.40		55.71
26 56 13 00-0663	EA	Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket .....	690.13		55.71
26 56 13 00-0664	EA	Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket .....	957.22		55.71
26 56 13 00-0665	EA	Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket .....	1,045.08		55.71
26 56 13 00-0666		Light Pole Arms <small>(26 56 13 00-0638)</small>			
26 56 13 00-0667		Wood Pole Streetlight Arms <small>(26 56 13 00-0666)</small>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 56 13 00-0668</b>			<b>Steel, Wood Pole Streetlight Arms</b> (26 56 13 00-0667)		
26 56 13 00-0669	EA		1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount .....	276.32	50.14
26 56 13 00-0670	EA		1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount .....	293.37	55.71
26 56 13 00-0671	EA		1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount .....	341.98	69.64
26 56 13 00-0672	EA		2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount .....	401.53	55.71
26 56 13 00-0673	EA		2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount .....	449.85	69.64
26 56 13 00-0674	EA		2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount .....	545.72	83.57

<b>26 56 13 00-0675</b>			<b>Aluminum, Wood Pole Streetlight Arms</b> (26 56 13 00-0667)		
26 56 13 00-0676	EA		1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount .....	232.90	55.71
26 56 13 00-0677	EA		2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount .....	295.22	55.71
26 56 13 00-0678	EA		2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount .....	397.09	69.64
26 56 13 00-0679	EA		2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount .....	524.79	83.57

<b>26 56 13 00-0680</b>			<b>Area Light Arms</b> (26 56 13 00-0666)		
<b>26 56 13 00-0681</b>			<b>Steel Area Light Arms</b> (26 56 13 00-0680)		
26 56 13 00-0682	EA		Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount .....	513.88	55.71
26 56 13 00-0683	EA		Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount .....	797.00	61.28
26 56 13 00-0684	EA		Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount .....	885.17	66.85
26 56 13 00-0685	EA		Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount .....	1,048.82	72.42
26 56 13 00-0686	EA		Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount .....	614.06	69.64
26 56 13 00-0687	EA		Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount .....	868.88	75.21

<b>26 56 13 00-0688</b>			<b>Aluminum Area Light Arms</b> (26 56 13 00-0680)		
26 56 13 00-0689	EA		Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount .....	288.26	55.71
26 56 13 00-0690	EA		Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount .....	355.18	69.64
26 56 13 00-0691	EA		Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount .....	424.26	83.57
26 56 13 00-0692	EA		Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount .....	286.09	55.71
26 56 13 00-0693	EA		Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount .....	414.41	61.28
26 56 13 00-0694	EA		Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount .....	350.84	69.64
26 56 13 00-0695	EA		Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount .....	505.19	75.21
26 56 13 00-0696	EA		Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount .....	426.43	83.57
26 56 13 00-0697	EA		Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount .....	614.42	89.13

<b>26 56 13 00-0698</b>			<b>Removal And Reinstallation Of Lighting Pole</b> (26 56 13 00-0001)		
26 56 13 00-0699	EA		Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms .....	1,838.46	

<b>26 56 13 00-0700</b>			<b>High Mast Lighting</b> (26 56 13 00-0001)		
<b>26 56 13 00-0701</b>			<b>High Mast Lighting Assemblies</b> (26 56 13 00-0700)		
Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole.					
26 56 13 00-0702	EA		60' High Mast Lighting Assembly .....	39,773.54	1,686.59
26 56 13 00-0703	EA		70' High Mast Lighting Assembly .....	42,010.91	1,766.45
26 56 13 00-0704	EA		80' High Mast Lighting Assembly .....	44,278.70	1,881.82
26 56 13 00-0705	EA		90' High Mast Lighting Assembly .....	46,575.59	2,032.69
26 56 13 00-0706	EA		100' High Mast Lighting Assembly .....	48,889.56	2,219.00
26 56 13 00-0707	EA		110' High Mast Lighting Assembly .....	51,867.72	2,441.07
26 56 13 00-0708	EA		120' High Mast Lighting Assembly .....	54,279.30	2,662.96
26 56 13 00-0709	EA		130' High Mast Lighting Assembly .....	56,509.16	2,884.84
26 56 13 00-0710	EA		140' High Mast Lighting Assembly .....	58,920.75	3,106.83
26 56 13 00-0711	EA		150' High Mast Lighting Assembly .....	61,846.54	3,328.72

<b>26 56 13 00-0712</b>			<b>High Mast Light Poles</b> (26 56 13 00-0700)		
26 56 13 00-0713	EA		60' High Mast Light Poles .....	15,233.80	1,012.94
26 56 13 00-0714	EA		70' High Mast Light Poles .....	17,447.18	1,060.92
26 56 13 00-0715	EA		80' High Mast Light Poles .....	19,680.33	1,130.22
26 56 13 00-0716	EA		90' High Mast Light Poles .....	21,931.89	1,220.85
26 56 13 00-0717	EA		100' High Mast Light Poles .....	24,203.22	1,332.81
26 56 13 00-0718	EA		110' High Mast Light Poles .....	26,494.32	1,466.09
26 56 13 00-0719	EA		120' High Mast Light Poles .....	28,233.51	1,599.37
26 56 13 00-0720	EA		130' High Mast Light Poles .....	28,056.98	2,964.17
26 56 13 00-0721	EA		140' High Mast Light Poles .....	31,528.83	1,865.94
26 56 13 00-0722	EA		150' High Mast Light Poles .....	33,451.10	1,999.22

<b>26 56 13 00-0723</b>			<b>High Mast Lighting Accessories</b> (26 56 13 00-0700)		
26 56 13 00-0724	EA		Bottom Latching System For High Mast Lighting .....	706.09	
26 56 13 00-0725	EA		Top Latching System For High Mast Lighting .....	1,985.82	
26 56 13 00-0726	EA		Centering Springs For High Mast Lighting .....	1,503.84	
26 56 13 00-0727	EA		Electric Power Cord For High Mast Lighting .....	635.52	
26 56 13 00-0728	EA		Aircraft Warning Lights For High Mast Lighting .....	1,188.75	
26 56 13 00-0729	EA		Internal Motorized Hoist For High Mast Lighting .....	12,733.37	
26 56 13 00-0730	EA		Portable Hoist Motor With Step Down Transformer For High Mast Lighting .....	12,816.38	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 56 13 00-0731		Concrete Bases <small>(26 56 13 00-0001)</small>			
26 56 13 00-0732		Concrete Bases, Cast In Place <small>(26 56 13 00-0731)</small> Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.			
26 56 13 00-0733	VLF	2' Diameter Concrete Base For Poles .....	83.06		
26 56 13 00-0734	VLF	2-1/2' Diameter Concrete Base For Poles .....	104.42		
26 56 13 00-0735	VLF	3' Diameter Concrete Base For Poles .....	126.54		
26 56 13 00-0736	VLF	3-1/2' Diameter Concrete Base For Poles .....	157.62		
26 56 13 00-0737	VLF	4' Diameter Concrete Base For Poles .....	187.25		
26 56 13 00-0738	VLF	5' Diameter Concrete Base For Poles .....	253.76		
26 56 13 00-0739	VLF	6' Diameter Concrete Base For Poles .....	332.65		
<b>26 56 17</b>		<b>Fluorescent Exterior Lighting <small>(26 56)</small></b>			
26 56 17 00-0001		High Abuse Fixtures <small>(26 56 17)</small>			
26 56 17 00-0002	EA	2 Lamp, 32 Watt, 4', Fluorescent Fixture Ceiling/Wall Mount Kenall #SH8-48-2-32-EB .....	352.87		65.95
<b>26 56 18</b>		<b>Incandescent Exterior Lighting <small>(26 56)</small></b>			
26 56 18 00-0001		Exterior Globe <small>(26 56 18)</small>			
26 56 18 00-0002		Incandescent, Exterior Globe <small>(26 56 18 00-0001)</small>			
26 56 18 00-0003	EA	100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture .....	51.76		17.59
26 56 18 00-0004	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture .....	83.40		17.59
26 56 18 00-0005	EA	100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture .....	62.56		17.59
26 56 18 00-0006	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture .....	87.56		17.59
26 56 18 00-0007		Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 18)</small> Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.			
26 56 18 00-0008	EA	7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	208.25		70.34
26 56 18 00-0009	EA	9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	217.08		74.74
26 56 18 00-0010	EA	13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	239.20		79.14
26 56 18 00-0011	EA	75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	232.62		87.93
26 56 18 00-0012	EA	100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	261.69		101.12
26 56 18 00-0013	EA	1 - 13 Watt Lamp, Fluorescent, Vandal Resistant, Surface Mounted, Exterior Area Fixture (Fail-Safe FSP Series) .....	227.69		79.14
26 56 18 00-0014	EA	2 - 13 Watt Lamps, Fluorescent, Vandal Resistant, Surface Mounted, Exterior Area Fixture (Fail-Safe FSP Series) .....	231.29		79.14
26 56 18 00-0015	EA	1 - 26 Watt Lamp, Fluorescent, Vandal Resistant, Surface Mounted, Exterior Area Fixture (Fail-Safe FSP Series) .....	228.53		79.14
26 56 18 00-0016	EA	2 - 26 Watt Lamps, Fluorescent, Vandal Resistant, Surface Mounted, Exterior Area Fixture (Fail-Safe FSP Series) .....	232.97		79.14
<b>26 56 19</b>		<b>LED Exterior Lighting <small>(26 56)</small></b>			
26 56 19 00-0001		LED, Roadway Lighting <small>(26 56 19)</small>			
26 56 19 00-0002		LED Roadway Lighting (Philips Lumec) <small>(26 56 19 00-0001)</small>			
26 56 19 00-0003		Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) <small>(26 56 19 00-0002)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.			
26 56 19 00-0004	EA	49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series) .....	1,150.58		132.98
		For >50 To 100, Deduct	-57.53		
		For >100 To 250, Deduct	-86.29		
		For >250 To 500, Deduct	-137.17		
		For >500 To 1000, Deduct	-188.05		
		For >1000, Deduct	-238.93		
26 56 19 00-0005	EA	98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series) .....	1,782.50		136.58
		For >50 To 100, Deduct	-89.13		
		For >100 To 250, Deduct	-133.69		
		For >250 To 500, Deduct	-215.98		
		For >500 To 1000, Deduct	-298.28		
		For >1000, Deduct	-380.58		
26 56 19 00-0006		Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series) <small>(26 56 19 00-0002)</small> Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.			
26 56 19 00-0007	EA	48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series) .....	844.80		132.98
		For >50 To 100, Deduct	-42.24		
		For >100 To 250, Deduct	-63.36		
		For >250 To 500, Deduct	-98.95		
		For >500 To 1000, Deduct	-134.54		
		For >1000, Deduct	-170.13		
26 56 19 00-0008	EA	48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series) .....	844.80		132.98
		For >50 To 100, Deduct	-42.24		
		For >100 To 250, Deduct	-63.36		
		For >250 To 500, Deduct	-98.95		
		For >500 To 1000, Deduct	-134.54		
		For >1000, Deduct	-170.13		

<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0009	EA	48	LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	844.80	132.98
			<i>For &gt;50 To 100, Deduct</i>	-42.24	
			<i>For &gt;100 To 250, Deduct</i>	-63.36	
			<i>For &gt;250 To 500, Deduct</i>	-98.95	
			<i>For &gt;500 To 1000, Deduct</i>	-134.54	
			<i>For &gt;1000, Deduct</i>	-170.13	

**26 56 19 00-0010 LED Roadway Lighting (Lithonia) (26 56 19 00-0001)**

**26 56 19 00-0011 Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) (26 56 19 00-0010)**

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.

26 56 19 00-0012	EA	30	LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	1,658.71	125.79
			<i>For &gt;50 To 100, Deduct</i>	-82.94	
			<i>For &gt;100 To 250, Deduct</i>	-124.40	
			<i>For &gt;250 To 500, Deduct</i>	-201.05	
			<i>For &gt;500 To 1000, Deduct</i>	-277.70	
			<i>For &gt;1000, Deduct</i>	-354.34	
26 56 19 00-0013	EA	60	LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	2,727.42	129.38
			<i>For &gt;50 To 100, Deduct</i>	-136.37	
			<i>For &gt;100 To 250, Deduct</i>	-204.56	
			<i>For &gt;250 To 500, Deduct</i>	-334.46	
			<i>For &gt;500 To 1000, Deduct</i>	-464.36	
			<i>For &gt;1000, Deduct</i>	-594.26	

**26 56 19 00-0014 LED Roadway Lighting (CREE® BetaLED®) (26 56 19 00-0001)**

**26 56 19 00-0015 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) (26 56 19 00-0014)**

Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.

26 56 19 00-0016	EA	20	LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	681.92	122.19
			<i>For &gt;50 To 100, Deduct</i>	-34.10	
			<i>For &gt;100 To 250, Deduct</i>	-51.14	
			<i>For &gt;250 To 500, Deduct</i>	-79.13	
			<i>For &gt;500 To 1000, Deduct</i>	-107.12	
			<i>For &gt;1000, Deduct</i>	-135.10	
26 56 19 00-0017	EA	30	LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	763.30	125.79
			<i>For &gt;50 To 100, Deduct</i>	-38.17	
			<i>For &gt;100 To 250, Deduct</i>	-57.25	
			<i>For &gt;250 To 500, Deduct</i>	-89.12	
			<i>For &gt;500 To 1000, Deduct</i>	-121.00	
			<i>For &gt;1000, Deduct</i>	-152.87	
26 56 19 00-0018	EA	40	LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	861.33	129.38
			<i>For &gt;50 To 100, Deduct</i>	-43.07	
			<i>For &gt;100 To 250, Deduct</i>	-64.60	
			<i>For &gt;250 To 500, Deduct</i>	-101.20	
			<i>For &gt;500 To 1000, Deduct</i>	-137.79	
			<i>For &gt;1000, Deduct</i>	-174.39	
26 56 19 00-0019	EA	50	LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	944.00	132.98
			<i>For &gt;50 To 100, Deduct</i>	-47.20	
			<i>For &gt;100 To 250, Deduct</i>	-70.80	
			<i>For &gt;250 To 500, Deduct</i>	-111.35	
			<i>For &gt;500 To 1000, Deduct</i>	-151.90	
			<i>For &gt;1000, Deduct</i>	-192.45	
26 56 19 00-0020	EA	60	LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,026.66	136.58
			<i>For &gt;50 To 100, Deduct</i>	-51.33	
			<i>For &gt;100 To 250, Deduct</i>	-77.00	
			<i>For &gt;250 To 500, Deduct</i>	-121.50	
			<i>For &gt;500 To 1000, Deduct</i>	-166.01	
			<i>For &gt;1000, Deduct</i>	-210.51	
26 56 19 00-0021	EA	70	LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,221.91	140.16
			<i>For &gt;50 To 100, Deduct</i>	-61.10	
			<i>For &gt;100 To 250, Deduct</i>	-91.64	
			<i>For &gt;250 To 500, Deduct</i>	-145.73	
			<i>For &gt;500 To 1000, Deduct</i>	-199.82	
			<i>For &gt;1000, Deduct</i>	-253.91	
26 56 19 00-0022	EA	80	LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,304.58	143.76
			<i>For &gt;50 To 100, Deduct</i>	-65.23	
			<i>For &gt;100 To 250, Deduct</i>	-97.84	
			<i>For &gt;250 To 500, Deduct</i>	-155.88	
			<i>For &gt;500 To 1000, Deduct</i>	-213.93	
			<i>For &gt;1000, Deduct</i>	-271.97	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0023	EA		90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,385.97	147.35
			<i>For &gt;50 To 100, Deduct</i>	-69.30	
			<i>For &gt;100 To 250, Deduct</i>	-103.95	
			<i>For &gt;250 To 500, Deduct</i>	-165.88	
			<i>For &gt;500 To 1000, Deduct</i>	-227.81	
			<i>For &gt;1000, Deduct</i>	-289.74	
26 56 19 00-0024	EA		100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,544.12	150.95
			<i>For &gt;50 To 100, Deduct</i>	-77.21	
			<i>For &gt;100 To 250, Deduct</i>	-115.81	
			<i>For &gt;250 To 500, Deduct</i>	-185.47	
			<i>For &gt;500 To 1000, Deduct</i>	-255.13	
			<i>For &gt;1000, Deduct</i>	-324.78	
26 56 19 00-0025	EA		110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,626.78	154.54
			<i>For &gt;50 To 100, Deduct</i>	-81.34	
			<i>For &gt;100 To 250, Deduct</i>	-122.01	
			<i>For &gt;250 To 500, Deduct</i>	-195.62	
			<i>For &gt;500 To 1000, Deduct</i>	-269.23	
			<i>For &gt;1000, Deduct</i>	-342.84	
26 56 19 00-0026	EA		120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,709.45	158.14
			<i>For &gt;50 To 100, Deduct</i>	-85.47	
			<i>For &gt;100 To 250, Deduct</i>	-128.21	
			<i>For &gt;250 To 500, Deduct</i>	-205.77	
			<i>For &gt;500 To 1000, Deduct</i>	-283.34	
			<i>For &gt;1000, Deduct</i>	-360.91	
26 56 19 00-0027			<b>Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG)</b> <small>(26 56 19 00-0014)</small> Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0028	EA		40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,328.28	129.38
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-66.41	
			<i>For &gt;100 To 250, Deduct</i>	-99.62	
			<i>For &gt;250 To 500, Deduct</i>	-159.57	
			<i>For &gt;500 To 1000, Deduct</i>	-219.51	
			<i>For &gt;1000, Deduct</i>	-279.46	
26 56 19 00-0029	EA		60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,530.71	136.58
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-76.54	
			<i>For &gt;100 To 250, Deduct</i>	-114.80	
			<i>For &gt;250 To 500, Deduct</i>	-184.51	
			<i>For &gt;500 To 1000, Deduct</i>	-254.22	
			<i>For &gt;1000, Deduct</i>	-323.92	
26 56 19 00-0030	EA		80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,733.15	143.76
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-86.66	
			<i>For &gt;100 To 250, Deduct</i>	-129.99	
			<i>For &gt;250 To 500, Deduct</i>	-209.46	
			<i>For &gt;500 To 1000, Deduct</i>	-288.93	
			<i>For &gt;1000, Deduct</i>	-368.39	
26 56 19 00-0031	EA		100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,935.59	150.95
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-96.78	
			<i>For &gt;100 To 250, Deduct</i>	-145.17	
			<i>For &gt;250 To 500, Deduct</i>	-234.40	
			<i>For &gt;500 To 1000, Deduct</i>	-323.63	
			<i>For &gt;1000, Deduct</i>	-412.87	
26 56 19 00-0032	EA		120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,537.17	158.14
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-126.86	
			<i>For &gt;100 To 250, Deduct</i>	-190.29	
			<i>For &gt;250 To 500, Deduct</i>	-309.24	
			<i>For &gt;500 To 1000, Deduct</i>	-428.19	
			<i>For &gt;1000, Deduct</i>	-547.14	
26 56 19 00-0033	EA		140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,739.61	165.32
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-136.98	
			<i>For &gt;100 To 250, Deduct</i>	-205.47	
			<i>For &gt;250 To 500, Deduct</i>	-334.19	
			<i>For &gt;500 To 1000, Deduct</i>	-462.90	
			<i>For &gt;1000, Deduct</i>	-591.61	
26 56 19 00-0034	EA		160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,942.04	172.51
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-147.10	
			<i>For &gt;100 To 250, Deduct</i>	-220.65	
			<i>For &gt;250 To 500, Deduct</i>	-359.13	
			<i>For &gt;500 To 1000, Deduct</i>	-497.61	
			<i>For &gt;1000, Deduct</i>	-636.08	
26 56 19 00-0035			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP)</b> <small>(26 56 19 00-0014)</small> Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0036	EA		4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	574.05	129.38
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Backlight Control Shield, Add</i>	27.20	
			<i>For Field Adjustable Output, Add</i>	22.64	
			<i>For Bird Spikes, Add</i>	41.46	
			<i>For Field Adjustable Output And Utility Label, Add</i>	30.18	
			<i>For Fuse, Add</i>	45.26	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	45.26	
			<i>For 480 Volt, Add</i>	67.90	
			<i>For Multi-Level, Add</i>	98.07	
			<i>For &gt;50 To 100, Deduct</i>	-28.70	
			<i>For &gt;100 To 250, Deduct</i>	-43.05	
			<i>For &gt;250 To 500, Deduct</i>	-65.29	
			<i>For &gt;500 To 1000, Deduct</i>	-87.52	
			<i>For &gt;1000, Deduct</i>	-109.75	
26 56 19 00-0037	EA		5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	574.05	129.38
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Backlight Control Shield, Add</i>	27.20	
			<i>For Field Adjustable Output, Add</i>	22.64	
			<i>For Bird Spikes, Add</i>	41.46	
			<i>For Field Adjustable Output And Utility Label, Add</i>	30.18	
			<i>For Fuse, Add</i>	45.26	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	45.26	
			<i>For 480 Volt, Add</i>	67.90	
			<i>For Multi-Level, Add</i>	98.07	
			<i>For &gt;50 To 100, Deduct</i>	-28.70	
			<i>For &gt;100 To 250, Deduct</i>	-43.05	
			<i>For &gt;250 To 500, Deduct</i>	-65.29	
			<i>For &gt;500 To 1000, Deduct</i>	-87.52	
			<i>For &gt;1000, Deduct</i>	-109.75	
26 56 19 00-0038	EA		8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	631.08	129.38
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Backlight Control Shield, Add</i>	27.20	
			<i>For Field Adjustable Output, Add</i>	22.64	
			<i>For Bird Spikes, Add</i>	41.46	
			<i>For Field Adjustable Output And Utility Label, Add</i>	30.18	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	45.26	
			<i>For 480 Volt, Add</i>	67.90	
			<i>For &gt;50 To 100, Deduct</i>	-31.55	
			<i>For &gt;100 To 250, Deduct</i>	-47.33	
			<i>For &gt;250 To 500, Deduct</i>	-72.42	
			<i>For &gt;500 To 1000, Deduct</i>	-97.50	
			<i>For &gt;1000, Deduct</i>	-122.59	
26 56 19 00-0039	EA		8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	631.08	129.38
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Backlight Control Shield, Add</i>	27.20	
			<i>For Field Adjustable Output, Add</i>	22.64	
			<i>For Bird Spikes, Add</i>	41.46	
			<i>For Field Adjustable Output And Utility Label, Add</i>	30.18	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	45.26	
			<i>For 480 Volt, Add</i>	67.90	
			<i>For &gt;50 To 100, Deduct</i>	-31.55	
			<i>For &gt;100 To 250, Deduct</i>	-47.33	
			<i>For &gt;250 To 500, Deduct</i>	-72.42	
			<i>For &gt;500 To 1000, Deduct</i>	-97.50	
			<i>For &gt;1000, Deduct</i>	-122.59	
26 56 19 00-0040	EA		9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	732.46	129.38
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Field Adjustable Output, Add</i>	22.64	
			<i>For Backlight Control Shield, Add</i>	38.28	
			<i>For Field Adjustable Output And Utility Label, Add</i>	30.18	
			<i>For Fuse, Add</i>	45.26	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	45.26	
			<i>For Bird Spikes, Add</i>	66.81	
			<i>For 480 Volt, Add</i>	67.90	
			<i>For Multi-Level, Add</i>	98.07	
			<i>For &gt;50 To 100, Deduct</i>	-36.62	
			<i>For &gt;100 To 250, Deduct</i>	-54.93	
			<i>For &gt;250 To 500, Deduct</i>	-85.09	
			<i>For &gt;500 To 1000, Deduct</i>	-115.24	
			<i>For &gt;1000, Deduct</i>	-145.40	
26 56 19 00-0041	EA		10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	732.46	129.38
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Field Adjustable Output, Add</i>	22.64	
			<i>For Backlight Control Shield, Add</i>	38.28	
			<i>For Field Adjustable Output And Utility Label, Add</i>	30.18	
			<i>For Fuse, Add</i>	45.26	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	45.26	
			<i>For Bird Spikes, Add</i>	66.81	
			<i>For 480 Volt, Add</i>	67.90	
			<i>For Multi-Level, Add</i>	98.07	
			<i>For &gt;50 To 100, Deduct</i>	-36.62	
			<i>For &gt;100 To 250, Deduct</i>	-54.93	
			<i>For &gt;250 To 500, Deduct</i>	-85.09	
			<i>For &gt;500 To 1000, Deduct</i>	-115.24	
			<i>For &gt;1000, Deduct</i>	-145.40	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0042	EA		13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	827.53	129.38
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Field Adjustable Output, Add</i>	22.64	
			<i>For Backlight Control Shield, Add</i>	38.28	
			<i>For Field Adjustable Output And Utility Label, Add</i>	30.18	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	45.26	
			<i>For Bird Spikes, Add</i>	66.81	
			<i>For 480 Volt, Add</i>	67.90	
			<i>For &gt;50 To 100, Deduct</i>	-41.38	
			<i>For &gt;100 To 250, Deduct</i>	-62.06	
			<i>For &gt;250 To 500, Deduct</i>	-96.97	
			<i>For &gt;500 To 1000, Deduct</i>	-131.88	
			<i>For &gt;1000, Deduct</i>	-166.79	
26 56 19 00-0043	EA		14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	827.53	129.38
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Field Adjustable Output, Add</i>	22.64	
			<i>For Backlight Control Shield, Add</i>	38.28	
			<i>For Field Adjustable Output And Utility Label, Add</i>	30.18	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	45.26	
			<i>For Bird Spikes, Add</i>	66.81	
			<i>For 480 Volt, Add</i>	67.90	
			<i>For &gt;50 To 100, Deduct</i>	-41.38	
			<i>For &gt;100 To 250, Deduct</i>	-62.06	
			<i>For &gt;250 To 500, Deduct</i>	-96.97	
			<i>For &gt;500 To 1000, Deduct</i>	-131.88	
			<i>For &gt;1000, Deduct</i>	-166.79	
26 56 19 00-0044	EA		2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	472.65	129.38
			<i>For Utility Label, Add</i>	7.54	
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
			<i>For &gt;50 To 100, Deduct</i>	-23.63	
			<i>For &gt;100 To 250, Deduct</i>	-35.45	
			<i>For &gt;250 To 500, Deduct</i>	-52.61	
			<i>For &gt;500 To 1000, Deduct</i>	-69.78	
			<i>For &gt;1000, Deduct</i>	-86.94	
26 56 19 00-0045	EA		2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	472.65	129.38
			<i>For Utility Label, Add</i>	7.54	
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
			<i>For &gt;50 To 100, Deduct</i>	-23.63	
			<i>For &gt;100 To 250, Deduct</i>	-35.45	
			<i>For &gt;250 To 500, Deduct</i>	-52.61	
			<i>For &gt;500 To 1000, Deduct</i>	-69.78	
			<i>For &gt;1000, Deduct</i>	-86.94	
26 56 19 00-0046	EA		3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	496.42	129.38
			<i>For Utility Label, Add</i>	7.54	
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
			<i>For &gt;50 To 100, Deduct</i>	-24.82	
			<i>For &gt;100 To 250, Deduct</i>	-37.23	
			<i>For &gt;250 To 500, Deduct</i>	-55.58	
			<i>For &gt;500 To 1000, Deduct</i>	-73.94	
			<i>For &gt;1000, Deduct</i>	-92.29	
26 56 19 00-0047	EA		4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	496.42	129.38
			<i>For Utility Label, Add</i>	7.54	
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
			<i>For &gt;50 To 100, Deduct</i>	-24.82	
			<i>For &gt;100 To 250, Deduct</i>	-37.23	
			<i>For &gt;250 To 500, Deduct</i>	-55.58	
			<i>For &gt;500 To 1000, Deduct</i>	-73.94	
			<i>For &gt;1000, Deduct</i>	-92.29	
26 56 19 00-0048	EA		4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	504.34	129.38
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Field Adjustable Output, Add</i>	22.64	
			<i>For Field Adjustable Output And Utility Label, Add</i>	30.18	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	45.26	
			<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
			<i>For &gt;50 To 100, Deduct</i>	-25.22	
			<i>For &gt;100 To 250, Deduct</i>	-37.83	
			<i>For &gt;250 To 500, Deduct</i>	-56.57	
			<i>For &gt;500 To 1000, Deduct</i>	-75.32	
			<i>For &gt;1000, Deduct</i>	-94.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0049	EA		4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	504.34	129.38
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Field Adjustable Output, Add</i>	22.64	
			<i>For Field Adjustable Output And Utility Label, Add</i>	30.18	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	45.26	
			<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
			<i>For &gt;50 To 100, Deduct</i>	-25.22	
			<i>For &gt;100 To 250, Deduct</i>	-37.83	
			<i>For &gt;250 To 500, Deduct</i>	-56.57	
			<i>For &gt;500 To 1000, Deduct</i>	-75.32	
			<i>For &gt;1000, Deduct</i>	-94.07	
26 56 19 00-0050			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)</b> <small>(26 56 19 00-0014)</small>		
			Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.		
26 56 19 00-0051	EA		3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N).....	488.50	129.38
			<i>For Field Adjustable Output, Add</i>	22.64	
			<i>For Backlight Control Shield, Add</i>	50.66	
			<i>For Bird Spikes, Add</i>	67.26	
			<i>For &gt;50 To 100, Deduct</i>	-24.43	
			<i>For &gt;100 To 250, Deduct</i>	-36.64	
			<i>For &gt;250 To 500, Deduct</i>	-54.59	
			<i>For &gt;500 To 1000, Deduct</i>	-72.55	
			<i>For &gt;1000, Deduct</i>	-90.50	
26 56 19 00-0052	EA		3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N).....	488.50	129.38
			<i>For Field Adjustable Output, Add</i>	22.64	
			<i>For Backlight Control Shield, Add</i>	50.66	
			<i>For Bird Spikes, Add</i>	67.26	
			<i>For &gt;50 To 100, Deduct</i>	-24.43	
			<i>For &gt;100 To 250, Deduct</i>	-36.64	
			<i>For &gt;250 To 500, Deduct</i>	-54.59	
			<i>For &gt;500 To 1000, Deduct</i>	-72.55	
			<i>For &gt;1000, Deduct</i>	-90.50	
26 56 19 00-0053	EA		5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N).....	504.34	129.38
			<i>For Field Adjustable Output, Add</i>	22.64	
			<i>For Backlight Control Shield, Add</i>	50.66	
			<i>For Bird Spikes, Add</i>	67.26	
			<i>For &gt;50 To 100, Deduct</i>	-25.22	
			<i>For &gt;100 To 250, Deduct</i>	-37.83	
			<i>For &gt;250 To 500, Deduct</i>	-56.57	
			<i>For &gt;500 To 1000, Deduct</i>	-75.32	
			<i>For &gt;1000, Deduct</i>	-94.07	
26 56 19 00-0054	EA		5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N).....	504.34	129.38
			<i>For Field Adjustable Output, Add</i>	22.64	
			<i>For Backlight Control Shield, Add</i>	50.66	
			<i>For Bird Spikes, Add</i>	67.26	
			<i>For &gt;50 To 100, Deduct</i>	-25.22	
			<i>For &gt;100 To 250, Deduct</i>	-37.83	
			<i>For &gt;250 To 500, Deduct</i>	-56.57	
			<i>For &gt;500 To 1000, Deduct</i>	-75.32	
			<i>For &gt;1000, Deduct</i>	-94.07	
26 56 19 00-0055			<b>LED Roadway Lighting (Cooper Lighting)</b> <small>(26 56 19 00-0001)</small>		
26 56 19 00-0056			<b>Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™)</b> <small>(26 56 19 00-0055)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0057	EA		1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	742.66	129.38
			<i>For &gt;50 To 100, Deduct</i>	-37.13	
			<i>For &gt;100 To 250, Deduct</i>	-55.70	
			<i>For &gt;250 To 500, Deduct</i>	-86.36	
			<i>For &gt;500 To 1000, Deduct</i>	-117.03	
			<i>For &gt;1000, Deduct</i>	-147.69	
26 56 19 00-0058	EA		2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,000.52	143.76
			<i>For &gt;50 To 100, Deduct</i>	-50.03	
			<i>For &gt;100 To 250, Deduct</i>	-75.04	
			<i>For &gt;250 To 500, Deduct</i>	-117.88	
			<i>For &gt;500 To 1000, Deduct</i>	-160.72	
			<i>For &gt;1000, Deduct</i>	-203.55	
26 56 19 00-0059	EA		3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,075.34	165.32
			<i>For &gt;50 To 100, Deduct</i>	-53.77	
			<i>For &gt;100 To 250, Deduct</i>	-80.65	
			<i>For &gt;250 To 500, Deduct</i>	-126.15	
			<i>For &gt;500 To 1000, Deduct</i>	-171.65	
			<i>For &gt;1000, Deduct</i>	-217.15	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0060	EA		4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,587.24	179.70
			<i>For &gt;50 To 100, Deduct</i>	-79.36	
			<i>For &gt;100 To 250, Deduct</i>	-119.04	
			<i>For &gt;250 To 500, Deduct</i>	-189.42	
			<i>For &gt;500 To 1000, Deduct</i>	-259.80	
			<i>For &gt;1000, Deduct</i>	-330.17	
26 56 19 00-0061	EA		6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	2,075.76	204.58
			<i>For &gt;50 To 100, Deduct</i>	-103.79	
			<i>For &gt;100 To 250, Deduct</i>	-155.68	
			<i>For &gt;250 To 500, Deduct</i>	-249.24	
			<i>For &gt;500 To 1000, Deduct</i>	-342.80	
			<i>For &gt;1000, Deduct</i>	-436.36	
26 56 19 00-0062			<b>LED Roadway Lighting (PlanLED)</b> <small>(26 56 19 00-0001)</small>		
26 56 19 00-0063			<b>Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA)</b> <small>(26 56 19 00-0062)</small>		
			Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0064	EA		8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W).....	887.45	125.79
			<i>For &gt;50 To 100, Deduct</i>	-44.37	
			<i>For &gt;100 To 250, Deduct</i>	-66.56	
			<i>For &gt;250 To 500, Deduct</i>	-104.64	
			<i>For &gt;500 To 1000, Deduct</i>	-142.73	
			<i>For &gt;1000, Deduct</i>	-180.81	
26 56 19 00-0065	EA		11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W).....	963.48	127.17
			<i>For &gt;50 To 100, Deduct</i>	-48.17	
			<i>For &gt;100 To 250, Deduct</i>	-72.26	
			<i>For &gt;250 To 500, Deduct</i>	-114.08	
			<i>For &gt;500 To 1000, Deduct</i>	-155.89	
			<i>For &gt;1000, Deduct</i>	-197.71	
26 56 19 00-0066	EA		15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W).....	1,023.59	129.38
			<i>For &gt;50 To 100, Deduct</i>	-51.18	
			<i>For &gt;100 To 250, Deduct</i>	-76.77	
			<i>For &gt;250 To 500, Deduct</i>	-121.48	
			<i>For &gt;500 To 1000, Deduct</i>	-166.19	
			<i>For &gt;1000, Deduct</i>	-210.90	
26 56 19 00-0067			<b>Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA)</b> <small>(26 56 19 00-0062)</small>		
			Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0068	EA		7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060).....	592.74	122.75
			<i>For &gt;50 To 100, Deduct</i>	-29.64	
			<i>For &gt;100 To 250, Deduct</i>	-44.46	
			<i>For &gt;250 To 500, Deduct</i>	-67.96	
			<i>For &gt;500 To 1000, Deduct</i>	-91.46	
			<i>For &gt;1000, Deduct</i>	-114.95	
26 56 19 00-0069	EA		10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080).....	633.79	124.96
			<i>For &gt;50 To 100, Deduct</i>	-31.69	
			<i>For &gt;100 To 250, Deduct</i>	-47.53	
			<i>For &gt;250 To 500, Deduct</i>	-72.98	
			<i>For &gt;500 To 1000, Deduct</i>	-98.42	
			<i>For &gt;1000, Deduct</i>	-123.86	
26 56 19 00-0070	EA		12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100).....	698.29	127.17
			<i>For &gt;50 To 100, Deduct</i>	-34.91	
			<i>For &gt;100 To 250, Deduct</i>	-52.37	
			<i>For &gt;250 To 500, Deduct</i>	-80.93	
			<i>For &gt;500 To 1000, Deduct</i>	-109.48	
			<i>For &gt;1000, Deduct</i>	-138.04	
26 56 19 00-0071			<b>Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META)</b> <small>(26 56 19 00-0062)</small>		
			Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0072	EA		13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100).....	740.78	127.17
			<i>For 0 To 10 Volt Dimming, Add</i>	62.75	
			<i>For 480 Volt, Add</i>	62.75	
			<i>For &gt;50 To 100, Deduct</i>	-37.04	
			<i>For &gt;100 To 250, Deduct</i>	-55.56	
			<i>For &gt;250 To 500, Deduct</i>	-86.24	
			<i>For &gt;500 To 1000, Deduct</i>	-116.92	
			<i>For &gt;1000, Deduct</i>	-147.60	
26 56 19 00-0073	EA		16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130).....	819.18	128.28
			<i>For 0 To 10 Volt Dimming, Add</i>	62.75	
			<i>For 480 Volt, Add</i>	18.53	
			<i>For &gt;50 To 100, Deduct</i>	-40.96	
			<i>For &gt;100 To 250, Deduct</i>	-61.44	
			<i>For &gt;250 To 500, Deduct</i>	-95.98	
			<i>For &gt;500 To 1000, Deduct</i>	-130.53	
			<i>For &gt;1000, Deduct</i>	-165.07	

<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0074	EA	19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150).....		880.00	129.38
		<i>For 0 To 10 Volt Dimming, Add</i>		62.75	
		<i>For 480 Volt, Add</i>		-6.66	
		<i>For &gt;50 To 100, Deduct</i>		-44.00	
		<i>For &gt;100 To 250, Deduct</i>		-66.00	
		<i>For &gt;250 To 500, Deduct</i>		-103.53	
		<i>For &gt;500 To 1000, Deduct</i>		-141.06	
		<i>For &gt;1000, Deduct</i>		-178.59	

26 56 19 00-0075 LED Roadway Lighting (General Electric) (26 56 19 00-0001)

26 56 19 00-0076 Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) (26 56 19 00-0075)

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.

26 56 19 00-0077	EA	2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY) .....		458.42	122.19
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>		20.00	
		<i>For &gt;50 To 100, Deduct</i>		-22.92	
		<i>For &gt;100 To 250, Deduct</i>		-34.38	
		<i>For &gt;250 To 500, Deduct</i>		-51.19	
		<i>For &gt;500 To 1000, Deduct</i>		-68.00	
		<i>For &gt;1000, Deduct</i>		-84.82	
26 56 19 00-0078	EA	3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY) .....		461.74	123.86
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>		20.00	
		<i>For &gt;50 To 100, Deduct</i>		-23.09	
		<i>For &gt;100 To 250, Deduct</i>		-34.63	
		<i>For &gt;250 To 500, Deduct</i>		-51.52	
		<i>For &gt;500 To 1000, Deduct</i>		-68.42	
		<i>For &gt;1000, Deduct</i>		-85.31	
26 56 19 00-0079	EA	4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY) .....		480.41	125.79
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>		20.00	
		<i>For &gt;50 To 100, Deduct</i>		-24.02	
		<i>For &gt;100 To 250, Deduct</i>		-36.03	
		<i>For &gt;250 To 500, Deduct</i>		-53.76	
		<i>For &gt;500 To 1000, Deduct</i>		-71.49	
		<i>For &gt;1000, Deduct</i>		-89.22	
26 56 19 00-0080	EA	5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY) .....		499.33	127.17
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>		20.00	
		<i>For &gt;50 To 100, Deduct</i>		-24.97	
		<i>For &gt;100 To 250, Deduct</i>		-37.45	
		<i>For &gt;250 To 500, Deduct</i>		-56.06	
		<i>For &gt;500 To 1000, Deduct</i>		-74.67	
		<i>For &gt;1000, Deduct</i>		-93.27	
26 56 19 00-0081	EA	7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY) .....		549.29	129.94
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>		20.00	
		<i>For &gt;50 To 100, Deduct</i>		-27.46	
		<i>For &gt;100 To 250, Deduct</i>		-41.20	
		<i>For &gt;250 To 500, Deduct</i>		-62.16	
		<i>For &gt;500 To 1000, Deduct</i>		-83.13	
		<i>For &gt;1000, Deduct</i>		-104.10	
26 56 19 00-0082	EA	8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY) .....		575.73	131.04
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>		20.00	
		<i>For &gt;50 To 100, Deduct</i>		-28.79	
		<i>For &gt;100 To 250, Deduct</i>		-43.18	
		<i>For &gt;250 To 500, Deduct</i>		-65.41	
		<i>For &gt;500 To 1000, Deduct</i>		-87.65	
		<i>For &gt;1000, Deduct</i>		-109.88	
26 56 19 00-0083	EA	9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY) .....		625.37	132.98
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>		20.00	
		<i>For &gt;50 To 100, Deduct</i>		-31.27	
		<i>For &gt;100 To 250, Deduct</i>		-46.90	
		<i>For &gt;250 To 500, Deduct</i>		-71.52	
		<i>For &gt;500 To 1000, Deduct</i>		-96.14	
		<i>For &gt;1000, Deduct</i>		-120.76	
26 56 19 00-0084	EA	13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY) .....		730.81	136.58
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>		20.00	
		<i>For &gt;50 To 100, Deduct</i>		-36.54	
		<i>For &gt;100 To 250, Deduct</i>		-54.81	
		<i>For &gt;250 To 500, Deduct</i>		-84.52	
		<i>For &gt;500 To 1000, Deduct</i>		-114.23	
		<i>For &gt;1000, Deduct</i>		-143.95	
26 56 19 00-0085	EA	19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY) .....		852.88	143.76
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>		20.00	
		<i>For &gt;50 To 100, Deduct</i>		-42.64	
		<i>For &gt;100 To 250, Deduct</i>		-63.97	
		<i>For &gt;250 To 500, Deduct</i>		-99.42	
		<i>For &gt;500 To 1000, Deduct</i>		-134.88	
		<i>For &gt;1000, Deduct</i>		-170.33	

26 56 19 00-0086 LED Roadway Lighting (Acuity AEL Autobahn) (26 56 19 00-0001)

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0087			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn)</b> <small>(26 56 19 00-0086)</small>		
			Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0088	EA		4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70) .....	860.50	125.79
			For >50 To 100, Deduct	-43.03	
			For >100 To 250, Deduct	-64.54	
			For >250 To 500, Deduct	-101.27	
			For >500 To 1000, Deduct	-138.01	
			For >1000, Deduct	-174.74	
26 56 19 00-0089	EA		6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70) .....	1,062.98	129.38
			For >50 To 100, Deduct	-53.15	
			For >100 To 250, Deduct	-79.72	
			For >250 To 500, Deduct	-126.40	
			For >500 To 1000, Deduct	-173.08	
			For >1000, Deduct	-219.76	
26 56 19 00-0090	EA		9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70) .....	1,472.37	132.98
			For >50 To 100, Deduct	-73.62	
			For >100 To 250, Deduct	-110.43	
			For >250 To 500, Deduct	-177.40	
			For >500 To 1000, Deduct	-244.37	
			For >1000, Deduct	-311.34	
26 56 19 00-0091	EA		13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70) .....	1,884.96	138.23
			For >50 To 100, Deduct	-94.25	
			For >100 To 250, Deduct	-141.37	
			For >250 To 500, Deduct	-228.71	
			For >500 To 1000, Deduct	-316.05	
			For >1000, Deduct	-403.38	
26 56 19 00-0092	EA		17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70) .....	2,287.94	142.10
			For >50 To 100, Deduct	-114.40	
			For >100 To 250, Deduct	-171.60	
			For >250 To 500, Deduct	-278.89	
			For >500 To 1000, Deduct	-386.18	
			For >1000, Deduct	-493.47	
26 56 19 00-0093			<b>LED Roadway Lighting (Leotek)</b> <small>(26 56 19 00-0001)</small>		
26 56 19 00-0094			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek)</b> <small>(26 56 19 00-0093)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 19 00-0095	EA		Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL) .....	469.23	125.79
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-23.46	
			For >100 To 250, Deduct	-35.19	
			For >250 To 500, Deduct	-52.36	
			For >500 To 1000, Deduct	-69.54	
			For >1000, Deduct	-86.71	
26 56 19 00-0096	EA		Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL) .....	479.07	127.17
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-23.95	
			For >100 To 250, Deduct	-35.93	
			For >250 To 500, Deduct	-53.53	
			For >500 To 1000, Deduct	-71.12	
			For >1000, Deduct	-88.72	
26 56 19 00-0097	EA		Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL) .....	509.00	128.00
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-25.45	
			For >100 To 250, Deduct	-38.18	
			For >250 To 500, Deduct	-57.23	
			For >500 To 1000, Deduct	-76.28	
			For >1000, Deduct	-95.33	
26 56 19 00-0098	EA		Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL) .....	586.80	132.98
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-29.34	
			For >100 To 250, Deduct	-44.01	
			For >250 To 500, Deduct	-66.70	
			For >500 To 1000, Deduct	-89.39	
			For >1000, Deduct	-112.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0099	EA		Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL) .....	681.61	136.58
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-34.08	
			For >100 To 250, Deduct	-51.12	
			For >250 To 500, Deduct	-78.37	
			For >500 To 1000, Deduct	-105.62	
			For >1000, Deduct	-132.88	
26 56 19 00-0100	EA		Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL) .....	686.03	138.79
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-34.30	
			For >100 To 250, Deduct	-51.45	
			For >250 To 500, Deduct	-78.81	
			For >500 To 1000, Deduct	-106.18	
			For >1000, Deduct	-133.54	
26 56 19 00-0101	EA		Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL) .....	833.22	141.00
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-41.66	
			For >100 To 250, Deduct	-62.49	
			For >250 To 500, Deduct	-97.10	
			For >500 To 1000, Deduct	-131.71	
			For >1000, Deduct	-166.33	
26 56 19 00-0102	EA		Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL) .....	872.67	143.76
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-43.63	
			For >100 To 250, Deduct	-65.45	
			For >250 To 500, Deduct	-101.90	
			For >500 To 1000, Deduct	-138.34	
			For >1000, Deduct	-174.79	
26 56 19 00-0103	EA		Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL) .....	970.37	145.97
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-48.52	
			For >100 To 250, Deduct	-72.78	
			For >250 To 500, Deduct	-114.00	
			For >500 To 1000, Deduct	-155.22	
			For >1000, Deduct	-196.44	
26 56 19 00-0104	EA		Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL) .....	1,038.40	148.18
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-51.92	
			For >100 To 250, Deduct	-77.88	
			For >250 To 500, Deduct	-122.39	
			For >500 To 1000, Deduct	-166.90	
			For >1000, Deduct	-211.41	
26 56 19 00-0105	EA		Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL).....	538.43	127.17
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-26.92	
			For >100 To 250, Deduct	-40.38	
			For >250 To 500, Deduct	-60.95	
			For >500 To 1000, Deduct	-81.51	
			For >1000, Deduct	-102.07	
26 56 19 00-0106	EA		Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL).....	588.89	130.49
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-29.44	
			For >100 To 250, Deduct	-44.17	
			For >250 To 500, Deduct	-67.09	
			For >500 To 1000, Deduct	-90.01	
			For >1000, Deduct	-112.93	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 19 00-0107	EA Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL).....	633.45	132.98
	For LightGrid <sup>SM</sup> Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	6.73	
	For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
	For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
	For >50 To 100, Deduct	-31.67	
	For >100 To 250, Deduct	-47.51	
	For >250 To 500, Deduct	-72.53	
	For >500 To 1000, Deduct	-97.56	
	For >1000, Deduct	-122.58	
26 56 19 00-0108	EA Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL).....	672.03	136.02
	For LightGrid <sup>SM</sup> Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	6.73	
	For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
	For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
	For >50 To 100, Deduct	-33.60	
	For >100 To 250, Deduct	-50.40	
	For >250 To 500, Deduct	-77.20	
	For >500 To 1000, Deduct	-104.00	
	For >1000, Deduct	-130.80	
26 56 19 00-0109	EA Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL).....	710.99	137.12
	For LightGrid <sup>SM</sup> Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	6.73	
	For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
	For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
	For >50 To 100, Deduct	-35.55	
	For >100 To 250, Deduct	-53.32	
	For >250 To 500, Deduct	-82.02	
	For >500 To 1000, Deduct	-110.71	
	For >1000, Deduct	-139.40	
26 56 19 00-0110	EA Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL).....	841.08	142.10
	For LightGrid <sup>SM</sup> Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	6.73	
	For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
	For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
	For >50 To 100, Deduct	-42.05	
	For >100 To 250, Deduct	-63.08	
	For >250 To 500, Deduct	-98.03	
	For >500 To 1000, Deduct	-132.98	
	For >1000, Deduct	-167.93	
26 56 19 00-0111	EA Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL).....	946.97	144.87
	For LightGrid <sup>SM</sup> Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	6.73	
	For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
	For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
	For >50 To 100, Deduct	-47.35	
	For >100 To 250, Deduct	-71.02	
	For >250 To 500, Deduct	-111.13	
	For >500 To 1000, Deduct	-151.23	
	For >1000, Deduct	-191.34	
26 56 19 00-0112	EA Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL).....	1,004.61	145.41
	For LightGrid <sup>SM</sup> Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	6.73	
	For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
	For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
	For >50 To 100, Deduct	-50.23	
	For >100 To 250, Deduct	-75.35	
	For >250 To 500, Deduct	-118.31	
	For >500 To 1000, Deduct	-161.26	
	For >1000, Deduct	-204.22	
26 56 19 00-0113	EA Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL).....	1,060.22	147.08
	For LightGrid <sup>SM</sup> Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	6.73	
	For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
	For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
	For >50 To 100, Deduct	-53.01	
	For >100 To 250, Deduct	-79.52	
	For >250 To 500, Deduct	-125.17	
	For >500 To 1000, Deduct	-170.83	
	For >1000, Deduct	-216.49	
26 56 19 00-0114	EA Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP).....	578.62	138.79
	For LightGrid <sup>SM</sup> Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	6.73	
	For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
	For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
	For >50 To 100, Deduct	-28.93	
	For >100 To 250, Deduct	-43.40	
	For >250 To 500, Deduct	-65.39	
	For >500 To 1000, Deduct	-87.38	
	For >1000, Deduct	-109.37	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0115	EA		Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP) .....	623.79	140.16
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-31.19	
			For >100 To 250, Deduct	-46.78	
			For >250 To 500, Deduct	-70.97	
			For >500 To 1000, Deduct	-95.15	
			For >1000, Deduct	-119.33	
26 56 19 00-0116	EA		Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL) .....	450.25	126.90
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-22.51	
			For >100 To 250, Deduct	-33.77	
			For >250 To 500, Deduct	-49.94	
			For >500 To 1000, Deduct	-66.10	
			For >1000, Deduct	-82.27	
26 56 19 00-0117	EA		Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL) .....	458.12	128.00
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-22.91	
			For >100 To 250, Deduct	-34.36	
			For >250 To 500, Deduct	-50.87	
			For >500 To 1000, Deduct	-67.37	
			For >1000, Deduct	-83.88	
26 56 19 00-0118	EA		Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL) .....	495.61	130.49
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-24.78	
			For >100 To 250, Deduct	-37.17	
			For >250 To 500, Deduct	-55.43	
			For >500 To 1000, Deduct	-73.68	
			For >1000, Deduct	-91.94	
26 56 19 00-0119	EA		Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL) .....	747.00	141.00
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-37.35	
			For >100 To 250, Deduct	-56.03	
			For >250 To 500, Deduct	-86.33	
			For >500 To 1000, Deduct	-116.63	
			For >1000, Deduct	-146.93	
26 56 19 00-0120	EA		Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL) .....	965.03	145.41
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-48.25	
			For >100 To 250, Deduct	-72.38	
			For >250 To 500, Deduct	-113.36	
			For >500 To 1000, Deduct	-154.34	
			For >1000, Deduct	-195.32	
26 56 19 00-0121	EA		Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL) .....	864.37	145.97
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-43.22	
			For >100 To 250, Deduct	-64.83	
			For >250 To 500, Deduct	-100.75	
			For >500 To 1000, Deduct	-136.67	
			For >1000, Deduct	-172.59	
26 56 19 00-0122	EA		Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY) .....	433.84	127.17
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-21.69	
			For >100 To 250, Deduct	-32.54	
			For >250 To 500, Deduct	-47.87	
			For >500 To 1000, Deduct	-63.21	
			For >1000, Deduct	-78.54	

26 56 19 00-0123 LED, Area Fixtures (26 56 19)

26 56 19 00-0124 Pole Mount, LED Area Fixtures (26 56 19 00-0123)

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0125			<b>Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX)</b> <sup>(26 56 19 00-0124)</sup> Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0126	EA		20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,068.97	94.00
			<i>For &gt;50 To 100, Deduct</i>	-103.45	
			<i>For &gt;100 To 250, Deduct</i>	-155.17	
			<i>For &gt;250 To 500, Deduct</i>	-253.92	
			<i>For &gt;500 To 1000, Deduct</i>	-352.67	
			<i>For &gt;1000, Deduct</i>	-451.42	
26 56 19 00-0127	EA		40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,230.50	99.52
			<i>For &gt;50 To 100, Deduct</i>	-111.53	
			<i>For &gt;100 To 250, Deduct</i>	-167.29	
			<i>For &gt;250 To 500, Deduct</i>	-273.84	
			<i>For &gt;500 To 1000, Deduct</i>	-380.39	
			<i>For &gt;1000, Deduct</i>	-486.93	
26 56 19 00-0128	EA		80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,403.10	110.59
			<i>For &gt;50 To 100, Deduct</i>	-120.16	
			<i>For &gt;100 To 250, Deduct</i>	-180.23	
			<i>For &gt;250 To 500, Deduct</i>	-294.86	
			<i>For &gt;500 To 1000, Deduct</i>	-409.48	
			<i>For &gt;1000, Deduct</i>	-524.11	
26 56 19 00-0129	EA		100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,414.16	116.11
			<i>For &gt;50 To 100, Deduct</i>	-120.71	
			<i>For &gt;100 To 250, Deduct</i>	-181.06	
			<i>For &gt;250 To 500, Deduct</i>	-295.96	
			<i>For &gt;500 To 1000, Deduct</i>	-410.87	
			<i>For &gt;1000, Deduct</i>	-525.77	

26 56 19 00-0130			<b>Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG)</b> <sup>(26 56 19 00-0124)</sup> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 19 00-0131	EA		40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	981.99	99.52
			<i>For Backlight Shielding, Add</i>	17.91	
			<i>For Type II Medium Optic, Add</i>	31.45	
			<i>For 480 Volt, Add</i>	74.30	
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-49.10	
			<i>For &gt;100 To 250, Deduct</i>	-73.65	
			<i>For &gt;250 To 500, Deduct</i>	-117.77	
			<i>For &gt;500 To 1000, Deduct</i>	-161.90	
			<i>For &gt;1000, Deduct</i>	-206.02	
26 56 19 00-0132	EA		60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,181.11	105.05
			<i>For Backlight Shielding, Add</i>	17.91	
			<i>For Type II Medium Optic, Add</i>	32.01	
			<i>For 480 Volt, Add</i>	74.30	
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-59.06	
			<i>For &gt;100 To 250, Deduct</i>	-88.58	
			<i>For &gt;250 To 500, Deduct</i>	-142.39	
			<i>For &gt;500 To 1000, Deduct</i>	-196.19	
			<i>For &gt;1000, Deduct</i>	-249.99	
26 56 19 00-0133	EA		80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,455.71	110.59
			<i>For Backlight Shielding, Add</i>	17.91	
			<i>For Type II Medium Optic, Add</i>	32.56	
			<i>For 480 Volt, Add</i>	74.30	
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-72.79	
			<i>For &gt;100 To 250, Deduct</i>	-109.18	
			<i>For &gt;250 To 500, Deduct</i>	-176.43	
			<i>For &gt;500 To 1000, Deduct</i>	-243.69	
			<i>For &gt;1000, Deduct</i>	-310.95	
26 56 19 00-0134	EA		100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,654.83	116.11
			<i>For Backlight Shielding, Add</i>	17.91	
			<i>For Type II Medium Optic, Add</i>	33.11	
			<i>For 480 Volt, Add</i>	74.30	
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-82.74	
			<i>For &gt;100 To 250, Deduct</i>	-124.11	
			<i>For &gt;250 To 500, Deduct</i>	-201.05	
			<i>For &gt;500 To 1000, Deduct</i>	-277.98	
			<i>For &gt;1000, Deduct</i>	-354.92	
26 56 19 00-0135	EA		120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,853.94	121.65
			<i>For Backlight Shielding, Add</i>	17.91	
			<i>For Type II Medium Optic, Add</i>	33.66	
			<i>For 480 Volt, Add</i>	74.30	
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-92.70	
			<i>For &gt;100 To 250, Deduct</i>	-139.05	
			<i>For &gt;250 To 500, Deduct</i>	-225.66	
			<i>For &gt;500 To 1000, Deduct</i>	-312.28	
			<i>For &gt;1000, Deduct</i>	-398.89	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0136	EA		140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	2,113.19	127.17
			<i>For Backlight Shielding, Add</i>	17.91	
			<i>For Type II Medium Optic, Add</i>	34.22	
			<i>For 480 Volt, Add</i>	74.30	
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-105.66	
			<i>For &gt;100 To 250, Deduct</i>	-158.49	
			<i>For &gt;250 To 500, Deduct</i>	-257.79	
			<i>For &gt;500 To 1000, Deduct</i>	-357.09	
			<i>For &gt;1000, Deduct</i>	-456.39	
26 56 19 00-0137	EA		160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	2,312.31	132.70
			<i>For Backlight Shielding, Add</i>	17.91	
			<i>For Type II Medium Optic, Add</i>	34.77	
			<i>For 480 Volt, Add</i>	74.30	
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-115.62	
			<i>For &gt;100 To 250, Deduct</i>	-173.42	
			<i>For &gt;250 To 500, Deduct</i>	-282.40	
			<i>For &gt;500 To 1000, Deduct</i>	-391.38	
			<i>For &gt;1000, Deduct</i>	-500.36	
26 56 19 00-0138			<b>Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO)</b> <small>(26 56 19 00-0124)</small>		
			Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0139	EA		120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	1,715.09	121.65
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Bird Spikes, Add</i>	35.93	
			<i>For 5,000K Color Temperature, Add</i>	37.72	
			<i>For Fuse, Add</i>	45.26	
			<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
			<i>For 480 Volt, Add</i>	67.90	
			<i>For Multi-Level, Add</i>	98.07	
			<i>For 1,000mA Driver, Add</i>	126.76	
			<i>For &gt;50 To 100, Deduct</i>	-85.75	
			<i>For &gt;100 To 250, Deduct</i>	-128.63	
			<i>For &gt;250 To 500, Deduct</i>	-208.30	
			<i>For &gt;500 To 1000, Deduct</i>	-287.98	
			<i>For &gt;1000, Deduct</i>	-367.65	
26 56 19 00-0140	EA		240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	2,879.39	149.29
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For 5,000K Color Temperature, Add</i>	37.72	
			<i>For Fuse, Add</i>	45.26	
			<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
			<i>For Bird Spikes, Add</i>	52.96	
			<i>For Multi-Level, Add</i>	98.07	
			<i>For 1,000mA Driver, Add</i>	126.74	
			<i>For 480 Volt, Add</i>	135.79	
			<i>For &gt;50 To 100, Deduct</i>	-143.97	
			<i>For &gt;100 To 250, Deduct</i>	-215.95	
			<i>For &gt;250 To 500, Deduct</i>	-352.46	
			<i>For &gt;500 To 1000, Deduct</i>	-488.96	
			<i>For &gt;1000, Deduct</i>	-625.47	
26 56 19 00-0141			<b>Wall Mount, LED Area Fixtures</b> <small>(26 56 19 00-0123)</small>		
26 56 19 00-0142			<b>Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW)</b> <small>(26 56 19 00-0141)</small>		
			Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0143	EA		20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED).....	911.79	94.00
			<i>For &gt;50 To 100, Deduct</i>	-45.59	
			<i>For &gt;100 To 250, Deduct</i>	-68.38	
			<i>For &gt;250 To 500, Deduct</i>	-109.27	
			<i>For &gt;500 To 1000, Deduct</i>	-150.16	
			<i>For &gt;1000, Deduct</i>	-191.05	
26 56 19 00-0144	EA		30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED).....	933.91	105.05
			<i>For &gt;50 To 100, Deduct</i>	-46.70	
			<i>For &gt;100 To 250, Deduct</i>	-70.04	
			<i>For &gt;250 To 500, Deduct</i>	-111.49	
			<i>For &gt;500 To 1000, Deduct</i>	-152.93	
			<i>For &gt;1000, Deduct</i>	-194.37	
26 56 19 00-0145			<b>Surface Mount, LED Parking Structure Fixtures</b> <small>(26 56 19 00-0123)</small>		
26 56 19 00-0146			<b>Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG)</b> <small>(26 56 19 00-0145)</small>		
			Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0147	EA		40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	869.41	99.52
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-43.47	
			<i>For &gt;100 To 250, Deduct</i>	-65.21	
			<i>For &gt;250 To 500, Deduct</i>	-103.70	
			<i>For &gt;500 To 1000, Deduct</i>	-142.19	
			<i>For &gt;1000, Deduct</i>	-180.69	
26 56 19 00-0148	EA		60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,068.53	105.05
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-53.43	
			<i>For &gt;100 To 250, Deduct</i>	-80.14	
			<i>For &gt;250 To 500, Deduct</i>	-128.31	
			<i>For &gt;500 To 1000, Deduct</i>	-176.49	
			<i>For &gt;1000, Deduct</i>	-224.66	
26 56 19 00-0149	EA		80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,267.65	110.59
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-63.38	
			<i>For &gt;100 To 250, Deduct</i>	-95.07	
			<i>For &gt;250 To 500, Deduct</i>	-152.93	
			<i>For &gt;500 To 1000, Deduct</i>	-210.78	
			<i>For &gt;1000, Deduct</i>	-268.63	
26 56 19 00-0150	EA		100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,466.77	116.11
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-73.34	
			<i>For &gt;100 To 250, Deduct</i>	-110.01	
			<i>For &gt;250 To 500, Deduct</i>	-177.54	
			<i>For &gt;500 To 1000, Deduct</i>	-245.07	
			<i>For &gt;1000, Deduct</i>	-312.61	
26 56 19 00-0151			<b>Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304)</b> <small>(26 56 19 00-0145)</small> Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0152	EA		40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	838.71	99.52
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-41.94	
			<i>For &gt;100 To 250, Deduct</i>	-62.90	
			<i>For &gt;250 To 500, Deduct</i>	-99.86	
			<i>For &gt;500 To 1000, Deduct</i>	-136.82	
			<i>For &gt;1000, Deduct</i>	-173.78	
26 56 19 00-0153	EA		60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	925.25	105.05
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-46.26	
			<i>For &gt;100 To 250, Deduct</i>	-69.39	
			<i>For &gt;250 To 500, Deduct</i>	-110.40	
			<i>For &gt;500 To 1000, Deduct</i>	-151.41	
			<i>For &gt;1000, Deduct</i>	-192.42	
26 56 19 00-0154			<b>Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG)</b> <small>(26 56 19 00-0145)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0155	EA		3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL).....	722.12	99.52
			<i>For &gt;50 To 100, Deduct</i>	-36.11	
			<i>For &gt;100 To 250, Deduct</i>	-54.16	
			<i>For &gt;250 To 500, Deduct</i>	-85.29	
			<i>For &gt;500 To 1000, Deduct</i>	-116.42	
			<i>For &gt;1000, Deduct</i>	-147.55	
26 56 19 00-0156			<b>Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG)</b> <small>(26 56 19 00-0145)</small> Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 19 00-0157	EA		70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,408.55	105.05
			<i>For &gt;50 To 100, Deduct</i>	-70.43	
			<i>For &gt;100 To 250, Deduct</i>	-105.64	
			<i>For &gt;250 To 500, Deduct</i>	-170.82	
			<i>For &gt;500 To 1000, Deduct</i>	-235.99	
			<i>For &gt;1000, Deduct</i>	-301.17	
26 56 19 00-0158	EA		110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,430.67	116.11
			<i>For &gt;50 To 100, Deduct</i>	-71.53	
			<i>For &gt;100 To 250, Deduct</i>	-107.30	
			<i>For &gt;250 To 500, Deduct</i>	-173.03	
			<i>For &gt;500 To 1000, Deduct</i>	-238.76	
			<i>For &gt;1000, Deduct</i>	-304.48	
26 56 19 00-0159			<b>Surface Mount, LED Canopy Fixtures</b> <small>(26 56 19 00-0123)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0160			<b>Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG)</b> <small>(26 56 19 00-0159)</small> Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0161	EA		40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,005.02	99.52
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-50.25	
			<i>For &gt;100 To 250, Deduct</i>	-75.38	
			<i>For &gt;250 To 500, Deduct</i>	-120.65	
			<i>For &gt;500 To 1000, Deduct</i>	-165.93	
			<i>For &gt;1000, Deduct</i>	-211.20	
26 56 19 00-0162	EA		60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,204.14	105.05
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-60.21	
			<i>For &gt;100 To 250, Deduct</i>	-90.31	
			<i>For &gt;250 To 500, Deduct</i>	-145.26	
			<i>For &gt;500 To 1000, Deduct</i>	-200.22	
			<i>For &gt;1000, Deduct</i>	-255.17	
26 56 19 00-0163	EA		80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,403.26	110.59
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-70.16	
			<i>For &gt;100 To 250, Deduct</i>	-105.24	
			<i>For &gt;250 To 500, Deduct</i>	-169.88	
			<i>For &gt;500 To 1000, Deduct</i>	-234.51	
			<i>For &gt;1000, Deduct</i>	-299.15	
26 56 19 00-0164	EA		100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,602.38	116.11
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-80.12	
			<i>For &gt;100 To 250, Deduct</i>	-120.18	
			<i>For &gt;250 To 500, Deduct</i>	-194.49	
			<i>For &gt;500 To 1000, Deduct</i>	-268.81	
			<i>For &gt;1000, Deduct</i>	-343.12	
26 56 19 00-0165	EA		120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,801.49	121.65
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-90.07	
			<i>For &gt;100 To 250, Deduct</i>	-135.11	
			<i>For &gt;250 To 500, Deduct</i>	-219.10	
			<i>For &gt;500 To 1000, Deduct</i>	-303.10	
			<i>For &gt;1000, Deduct</i>	-387.09	
26 56 19 00-0166	EA		140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,076.09	127.17
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-103.80	
			<i>For &gt;100 To 250, Deduct</i>	-155.71	
			<i>For &gt;250 To 500, Deduct</i>	-253.15	
			<i>For &gt;500 To 1000, Deduct</i>	-350.60	
			<i>For &gt;1000, Deduct</i>	-448.04	
26 56 19 00-0167	EA		160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,275.21	132.70
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-113.76	
			<i>For &gt;100 To 250, Deduct</i>	-170.64	
			<i>For &gt;250 To 500, Deduct</i>	-277.77	
			<i>For &gt;500 To 1000, Deduct</i>	-384.89	
			<i>For &gt;1000, Deduct</i>	-492.02	
26 56 19 00-0168	EA		200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,673.45	143.76
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-133.67	
			<i>For &gt;100 To 250, Deduct</i>	-200.51	
			<i>For &gt;250 To 500, Deduct</i>	-326.99	
			<i>For &gt;500 To 1000, Deduct</i>	-453.48	
			<i>For &gt;1000, Deduct</i>	-579.96	
26 56 19 00-0169	EA		240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,060.62	149.29
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For &gt;50 To 100, Deduct</i>	-153.03	
			<i>For &gt;100 To 250, Deduct</i>	-229.55	
			<i>For &gt;250 To 500, Deduct</i>	-375.11	
			<i>For &gt;500 To 1000, Deduct</i>	-520.68	
			<i>For &gt;1000, Deduct</i>	-666.25	

26 56 19 00-0170			<b>Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250)</b> <small>(26 56 19 00-0159)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0171	EA		8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250).....	703.47	110.59
			<i>For &gt;50 To 100, Deduct</i>	-35.17	
			<i>For &gt;100 To 250, Deduct</i>	-52.76	
			<i>For &gt;250 To 500, Deduct</i>	-82.40	
			<i>For &gt;500 To 1000, Deduct</i>	-112.05	
			<i>For &gt;1000, Deduct</i>	-141.69	

26 56 19 00-0172			<b>Recessed Mount, LED Soffit Fixtures</b> <small>(26 56 19 00-0123)</small>		
26 56 19 00-0173			<b>Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304)</b> <small>(26 56 19 00-0172)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0174	EA		40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	854.06	99.52
			<i>For &gt;50 To 100, Deduct</i>	-42.70	
			<i>For &gt;100 To 250, Deduct</i>	-64.05	
			<i>For &gt;250 To 500, Deduct</i>	-101.78	
			<i>For &gt;500 To 1000, Deduct</i>	-139.51	
			<i>For &gt;1000, Deduct</i>	-177.23	
26 56 19 00-0175	EA		60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	940.60	105.05
			<i>For &gt;50 To 100, Deduct</i>	-47.03	
			<i>For &gt;100 To 250, Deduct</i>	-70.55	
			<i>For &gt;250 To 500, Deduct</i>	-112.32	
			<i>For &gt;500 To 1000, Deduct</i>	-154.10	
			<i>For &gt;1000, Deduct</i>	-195.88	
26 56 19 00-0176			Surface Mount, LED Area Fixtures <small>(26 56 19 00-0123)</small>		
26 56 19 00-0177			Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) <small>(26 56 19 00-0176)</small>		
			Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 19 00-0178	EA		50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) .....	580.42	99.52
			<i>For &gt;50 To 100, Deduct</i>	-29.02	
			<i>For &gt;100 To 250, Deduct</i>	-43.53	
			<i>For &gt;250 To 500, Deduct</i>	-67.58	
			<i>For &gt;500 To 1000, Deduct</i>	-91.62	
			<i>For &gt;1000, Deduct</i>	-115.67	
26 56 19 00-0179	EA		50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) .....	1,032.81	99.52
			<i>For &gt;50 To 100, Deduct</i>	-51.64	
			<i>For &gt;100 To 250, Deduct</i>	-77.46	
			<i>For &gt;250 To 500, Deduct</i>	-124.13	
			<i>For &gt;500 To 1000, Deduct</i>	-170.79	
			<i>For &gt;1000, Deduct</i>	-217.45	
26 56 19 00-0180	EA		68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) .....	866.32	110.59
			<i>For &gt;50 To 100, Deduct</i>	-43.32	
			<i>For &gt;100 To 250, Deduct</i>	-64.97	
			<i>For &gt;250 To 500, Deduct</i>	-102.76	
			<i>For &gt;500 To 1000, Deduct</i>	-140.55	
			<i>For &gt;1000, Deduct</i>	-178.33	
26 56 19 00-0181	EA		68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) .....	1,065.41	110.59
			<i>For &gt;50 To 100, Deduct</i>	-53.27	
			<i>For &gt;100 To 250, Deduct</i>	-79.91	
			<i>For &gt;250 To 500, Deduct</i>	-127.65	
			<i>For &gt;500 To 1000, Deduct</i>	-175.39	
			<i>For &gt;1000, Deduct</i>	-223.13	
26 56 19 00-0182			Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) <small>(26 56 19 00-0178)</small>		
			Note: Wall, inverted, post, bollard, floodlight trunion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0183	EA		13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A) .....	186.40	34.66
			<i>For Knuckle Mount Or Trunion Mount Base, Add</i>	45.00	
			<i>For &gt;50 To 100, Deduct</i>	-9.32	
			<i>For &gt;100 To 250, Deduct</i>	-13.98	
			<i>For &gt;250 To 500, Deduct</i>	-21.86	
			<i>For &gt;500 To 1000, Deduct</i>	-29.73	
			<i>For &gt;1000, Deduct</i>	-37.61	
26 56 19 00-0184	EA		20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A) .....	213.68	34.66
			<i>For Knuckle Mount Or Trunion Mount Base, Add</i>	45.00	
			<i>For &gt;50 To 100, Deduct</i>	-10.68	
			<i>For &gt;100 To 250, Deduct</i>	-16.03	
			<i>For &gt;250 To 500, Deduct</i>	-25.27	
			<i>For &gt;500 To 1000, Deduct</i>	-34.51	
			<i>For &gt;1000, Deduct</i>	-43.75	
26 56 19 00-0185	EA		30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A) .....	265.66	34.66
			<i>For Knuckle Mount Or Trunion Mount Base, Add</i>	45.00	
			<i>For &gt;50 To 100, Deduct</i>	-13.28	
			<i>For &gt;100 To 250, Deduct</i>	-19.92	
			<i>For &gt;250 To 500, Deduct</i>	-31.76	
			<i>For &gt;500 To 1000, Deduct</i>	-43.60	
			<i>For &gt;1000, Deduct</i>	-55.44	
26 56 19 00-0186			Surface Mount, LED Multi-Purpose Area Fixture (Designplan LED VIM) <small>(26 56 19 00-0176)</small>		
			Note: Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and black, white or silver powder coat finish. Excludes sensors.		
26 56 19 00-0187	EA		20 Watt, Surface Mount, LED Multi-Purpose Area Fixture With Integral Battery Backup (Designplan LED VIM) .....	1,983.49	34.66
			<i>For &gt;50 To 100, Deduct</i>	-99.17	
			<i>For &gt;100 To 250, Deduct</i>	-148.76	
			<i>For &gt;250 To 500, Deduct</i>	-246.49	
			<i>For &gt;500 To 1000, Deduct</i>	-344.22	
			<i>For &gt;1000, Deduct</i>	-441.95	
26 56 19 00-0188			Surface Mount, LED Facade Fixtures <small>(26 56 19 00-0123)</small>		
26 56 19 00-0189			Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) <small>(26 56 19 00-0188)</small>		

<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0190	EA	12"	Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	531.42	40.45
			<i>For &gt;50 To 100, Deduct</i>	-26.57	
			<i>For &gt;100 To 250, Deduct</i>	-39.86	
			<i>For &gt;250 To 500, Deduct</i>	-64.89	
			<i>For &gt;500 To 1000, Deduct</i>	-89.92	
			<i>For &gt;1000, Deduct</i>	-114.95	
26 56 19 00-0191	EA	24"	Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	861.48	36.93
			<i>For &gt;50 To 100, Deduct</i>	-43.07	
			<i>For &gt;100 To 250, Deduct</i>	-64.61	
			<i>For &gt;250 To 500, Deduct</i>	-106.37	
			<i>For &gt;500 To 1000, Deduct</i>	-148.12	
			<i>For &gt;1000, Deduct</i>	-189.88	
26 56 19 00-0192	EA	36"	Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,098.03	30.78
			<i>For &gt;50 To 100, Deduct</i>	-54.90	
			<i>For &gt;100 To 250, Deduct</i>	-82.35	
			<i>For &gt;250 To 500, Deduct</i>	-136.15	
			<i>For &gt;500 To 1000, Deduct</i>	-189.96	
			<i>For &gt;1000, Deduct</i>	-243.76	
26 56 19 00-0193	EA	48"	Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,334.55	24.62
			<i>For &gt;50 To 100, Deduct</i>	-66.73	
			<i>For &gt;100 To 250, Deduct</i>	-100.09	
			<i>For &gt;250 To 500, Deduct</i>	-165.94	
			<i>For &gt;500 To 1000, Deduct</i>	-231.79	
			<i>For &gt;1000, Deduct</i>	-297.64	

**26 56 19 00-0194 Post Top, LED Area Fixtures** (26 56 19 00-0123)

**26 56 19 00-0195 Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA)** (26 56 19 00-0194)

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.

26 56 19 00-0196	EA	1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1).....		1,509.93	152.05
			<i>For &gt;50 To 100, Deduct</i>	-75.50	
			<i>For &gt;100 To 250, Deduct</i>	-113.24	
			<i>For &gt;250 To 500, Deduct</i>	-181.14	
			<i>For &gt;500 To 1000, Deduct</i>	-249.03	
			<i>For &gt;1000, Deduct</i>	-316.93	
26 56 19 00-0197	EA	3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2).....		1,663.78	152.05
			<i>For &gt;50 To 100, Deduct</i>	-83.19	
			<i>For &gt;100 To 250, Deduct</i>	-124.78	
			<i>For &gt;250 To 500, Deduct</i>	-200.37	
			<i>For &gt;500 To 1000, Deduct</i>	-275.96	
			<i>For &gt;1000, Deduct</i>	-351.54	
26 56 19 00-0198	EA	77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3).....		1,785.40	152.05
			<i>For &gt;50 To 100, Deduct</i>	-89.27	
			<i>For &gt;100 To 250, Deduct</i>	-133.91	
			<i>For &gt;250 To 500, Deduct</i>	-215.57	
			<i>For &gt;500 To 1000, Deduct</i>	-297.24	
			<i>For &gt;1000, Deduct</i>	-378.91	

**26 56 19 00-0199 Post Top, LED Area Fixtures (General Electric EPAS)** (26 56 19 00-0194)

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.

26 56 19 00-0200	EA	3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3).....		1,775.46	152.05
			<i>For &gt;50 To 100, Deduct</i>	-88.77	
			<i>For &gt;100 To 250, Deduct</i>	-133.16	
			<i>For &gt;250 To 500, Deduct</i>	-214.33	
			<i>For &gt;500 To 1000, Deduct</i>	-295.50	
			<i>For &gt;1000, Deduct</i>	-376.67	
26 56 19 00-0201	EA	6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3).....		1,815.04	152.05
			<i>For &gt;50 To 100, Deduct</i>	-90.75	
			<i>For &gt;100 To 250, Deduct</i>	-136.13	
			<i>For &gt;250 To 500, Deduct</i>	-219.28	
			<i>For &gt;500 To 1000, Deduct</i>	-302.43	
			<i>For &gt;1000, Deduct</i>	-385.58	

**26 56 19 00-0202 Post Top, LED Area Fixtures (General Electric EPTC)** (26 56 19 00-0194)

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.

26 56 19 00-0203	EA	3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3).....		1,239.65	152.05
			<i>For &gt;50 To 100, Deduct</i>	-61.98	
			<i>For &gt;100 To 250, Deduct</i>	-92.97	
			<i>For &gt;250 To 500, Deduct</i>	-147.35	
			<i>For &gt;500 To 1000, Deduct</i>	-201.73	
			<i>For &gt;1000, Deduct</i>	-256.11	
26 56 19 00-0204	EA	6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3).....		1,298.88	152.05
			<i>For &gt;50 To 100, Deduct</i>	-64.94	
			<i>For &gt;100 To 250, Deduct</i>	-97.42	
			<i>For &gt;250 To 500, Deduct</i>	-154.76	
			<i>For &gt;500 To 1000, Deduct</i>	-212.10	
			<i>For &gt;1000, Deduct</i>	-269.44	

**26 56 19 00-0205 Post Top, LED Area Fixtures (General Electric EPST)** (26 56 19 00-0194)

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0206	EA		3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3) .....970.43	970.43	152.05
			<i>For &gt;50 To 100, Deduct</i>	-48.52	
			<i>For &gt;100 To 250, Deduct</i>	-72.78	
			<i>For &gt;250 To 500, Deduct</i>	-113.70	
			<i>For &gt;500 To 1000, Deduct</i>	-154.62	
			<i>For &gt;1000, Deduct</i>	-195.54	
26 56 19 00-0207	EA		6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3) .....1,029.66	1,029.66	152.05
			<i>For &gt;50 To 100, Deduct</i>	-51.48	
			<i>For &gt;100 To 250, Deduct</i>	-77.22	
			<i>For &gt;250 To 500, Deduct</i>	-121.10	
			<i>For &gt;500 To 1000, Deduct</i>	-164.99	
			<i>For &gt;1000, Deduct</i>	-208.87	
26 56 19 00-0208			<b>Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR)</b> <small>(26 56 19 00-0194)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		
26 56 19 00-0209	EA		13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR) .....2,253.79	2,253.79	152.05
			<i>For &gt;50 To 100, Deduct</i>	-112.69	
			<i>For &gt;100 To 250, Deduct</i>	-169.03	
			<i>For &gt;250 To 500, Deduct</i>	-274.12	
			<i>For &gt;500 To 1000, Deduct</i>	-379.21	
			<i>For &gt;1000, Deduct</i>	-484.29	
26 56 19 00-0210			<b>LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA)</b> <small>(26 56 19 00-0194)</small>		
			Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0379 for disposal of hazardous lamps.		
26 56 19 00-0211	EA		LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53) .....633.25	633.25	82.94
			<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
			<i>For &gt;50 To 100, Deduct</i>	-31.66	
			<i>For &gt;100 To 250, Deduct</i>	-47.49	
			<i>For &gt;250 To 500, Deduct</i>	-75.01	
			<i>For &gt;500 To 1000, Deduct</i>	-102.52	
			<i>For &gt;1000, Deduct</i>	-130.04	
26 56 19 00-0212			<b>LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)</b> <small>(26 56 19 00-0194)</small>		
			Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0379 for disposal of hazardous lamps.		
26 56 19 00-0213	EA		LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) .....393.97	393.97	17.70
			<i>For Backlight Control Shield, Add</i>	30.47	
			<i>For &gt;50 To 100, Deduct</i>	-19.70	
			<i>For &gt;100 To 250, Deduct</i>	-29.55	
			<i>For &gt;250 To 500, Deduct</i>	-47.48	
			<i>For &gt;500 To 1000, Deduct</i>	-65.41	
			<i>For &gt;1000, Deduct</i>	-83.33	
26 56 19 00-0214			<b>Surface Mount, LED Strip Fixtures (Sylvania)</b> <small>(26 56 19 00-0123)</small>		
26 56 19 00-0215	EA		4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D) .....368.08	368.08	32.18
			<i>For &gt;50 To 100, Deduct</i>	-18.40	
			<i>For &gt;100 To 250, Deduct</i>	-27.61	
			<i>For &gt;250 To 500, Deduct</i>	-44.80	
			<i>For &gt;500 To 1000, Deduct</i>	-62.00	
			<i>For &gt;1000, Deduct</i>	-79.19	
26 56 19 00-0216			<b>LED, Wall Packs</b> <small>(26 56 19)</small>		
26 56 19 00-0217			<b>Full Cutoff, LED Wall Packs</b> <small>(26 56 19 00-0216)</small>		
26 56 19 00-0218			<b>Full Cutoff, LED Wall Packs (Lithonia)</b> <small>(26 56 19 00-0217)</small>		
26 56 19 00-0219	EA		30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED) .....879.54	879.54	96.76
			<i>For &gt;50 To 100, Deduct</i>	-43.98	
			<i>For &gt;100 To 250, Deduct</i>	-65.97	
			<i>For &gt;250 To 500, Deduct</i>	-105.10	
			<i>For &gt;500 To 1000, Deduct</i>	-144.24	
			<i>For &gt;1000, Deduct</i>	-183.38	
26 56 19 00-0220	EA		30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED) .....954.00	954.00	96.76
			<i>For &gt;50 To 100, Deduct</i>	-47.70	
			<i>For &gt;100 To 250, Deduct</i>	-71.55	
			<i>For &gt;250 To 500, Deduct</i>	-114.41	
			<i>For &gt;500 To 1000, Deduct</i>	-157.27	
			<i>For &gt;1000, Deduct</i>	-200.14	
26 56 19 00-0221			<b>Full Cutoff, LED Wall Packs (CREE® BetaLED®)</b> <small>(26 56 19 00-0217)</small>		
26 56 19 00-0222			<b>Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG)</b> <small>(26 56 19 00-0221)</small>		
			Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0223	EA		20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	734.57	94.00
			Note: Includes 350mA or 525mA driver.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Bird Spikes, Add	37.92	
			For Fuse, Add	45.26	
			For 0 To 10 Volt Dimming, Add	45.26	
			For 480 Volt, Add	67.90	
			For Multi-Level, Add	98.07	
			For >50 To 100, Deduct	-36.73	
			For >100 To 250, Deduct	-55.09	
			For >250 To 500, Deduct	-87.12	
			For >500 To 1000, Deduct	-119.15	
			For >1000, Deduct	-151.18	
26 56 19 00-0224	EA		40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	943.67	99.52
			Note: Includes 350mA or 525mA driver.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Bird Spikes, Add	38.47	
			For Fuse, Add	45.26	
			For 0 To 10 Volt Dimming, Add	45.26	
			For 480 Volt, Add	67.90	
			For Multi-Level, Add	98.07	
			For >50 To 100, Deduct	-47.18	
			For >100 To 250, Deduct	-70.78	
			For >250 To 500, Deduct	-112.98	
			For >500 To 1000, Deduct	-155.19	
			For >1000, Deduct	-197.40	
26 56 19 00-0225	EA		60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,057.02	105.05
			Note: Includes 350mA or 525mA driver.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Bird Spikes, Add	39.03	
			For Fuse, Add	45.26	
			For 0 To 10 Volt Dimming, Add	45.26	
			For 480 Volt, Add	67.90	
			For Multi-Level, Add	98.07	
			For >50 To 100, Deduct	-52.85	
			For >100 To 250, Deduct	-79.28	
			For >250 To 500, Deduct	-126.87	
			For >500 To 1000, Deduct	-174.47	
			For >1000, Deduct	-222.07	
26 56 19 00-0226	EA		80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,361.86	110.59
			Note: Includes 350mA or 525mA driver.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Bird Spikes, Add	39.58	
			For Fuse, Add	45.26	
			For 0 To 10 Volt Dimming, Add	45.26	
			For 480 Volt, Add	67.90	
			For Multi-Level, Add	98.07	
			For >50 To 100, Deduct	-68.09	
			For >100 To 250, Deduct	-102.14	
			For >250 To 500, Deduct	-164.70	
			For >500 To 1000, Deduct	-227.27	
			For >1000, Deduct	-289.83	
26 56 19 00-0227	EA		100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,570.96	116.11
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Bird Spikes, Add	40.13	
			For Fuse, Add	45.26	
			For 0 To 10 Volt Dimming, Add	45.26	
			For 480 Volt, Add	67.90	
			For Multi-Level, Add	98.07	
			For >50 To 100, Deduct	-78.55	
			For >100 To 250, Deduct	-117.82	
			For >250 To 500, Deduct	-190.56	
			For >500 To 1000, Deduct	-263.31	
			For >1000, Deduct	-336.05	
26 56 19 00-0228	EA		120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,780.05	121.65
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For Bird Spikes, Add	40.68	
			For Fuse, Add	45.26	
			For 0 To 10 Volt Dimming, Add	45.26	
			For 480 Volt, Add	67.90	
			For Multi-Level, Add	98.07	
			For >50 To 100, Deduct	-89.00	
			For >100 To 250, Deduct	-133.50	
			For >250 To 500, Deduct	-216.42	
			For >500 To 1000, Deduct	-299.34	
			For >1000, Deduct	-382.27	
26 56 19 00-0229			Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) <sup>(26 56 19 00-0221)</sup>		
			Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0230	EA		25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	440.49	94.00
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For 0 To 10 Volt Dimming, Add	45.26	
			For Multi-Level, Add	45.26	
			For >50 To 100, Deduct	-22.02	
			For >100 To 250, Deduct	-33.04	
			For >250 To 500, Deduct	-50.36	
			For >500 To 1000, Deduct	-67.69	
			For >1000, Deduct	-85.01	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0231	EA		42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	510.46	99.52
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
			<i>For Multi-Level, Add</i>	45.26	
			<i>For &gt;50 To 100, Deduct</i>	-25.52	
			<i>For &gt;100 To 250, Deduct</i>	-38.28	
			<i>For &gt;250 To 500, Deduct</i>	-58.83	
			<i>For &gt;500 To 1000, Deduct</i>	-79.38	
			<i>For &gt;1000, Deduct</i>	-99.92	
<b>26 56 19 00-0232</b>			<b>Open Face LED Wall Pack</b> <small>(26 56 19 00-0216)</small>		
			Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56 19 00-0233	EA		3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS).....	553.58	96.26
			<i>For &gt;50 To 100, Deduct</i>	-27.68	
			<i>For &gt;100 To 250, Deduct</i>	-41.52	
			<i>For &gt;250 To 500, Deduct</i>	-61.98	
			<i>For &gt;500 To 1000, Deduct</i>	-82.44	
			<i>For &gt;1000, Deduct</i>	-102.90	
26 56 19 00-0234	EA		5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS).....	592.76	96.26
			<i>For &gt;50 To 100, Deduct</i>	-29.64	
			<i>For &gt;100 To 250, Deduct</i>	-44.46	
			<i>For &gt;250 To 500, Deduct</i>	-66.88	
			<i>For &gt;500 To 1000, Deduct</i>	-89.29	
			<i>For &gt;1000, Deduct</i>	-111.71	
26 56 19 00-0235	EA		7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS).....	613.28	96.26
			<i>For &gt;50 To 100, Deduct</i>	-30.66	
			<i>For &gt;100 To 250, Deduct</i>	-46.00	
			<i>For &gt;250 To 500, Deduct</i>	-69.44	
			<i>For &gt;500 To 1000, Deduct</i>	-92.89	
			<i>For &gt;1000, Deduct</i>	-116.33	
26 56 19 00-0236	EA		11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS).....	629.92	96.26
			<i>For &gt;50 To 100, Deduct</i>	-31.50	
			<i>For &gt;100 To 250, Deduct</i>	-47.24	
			<i>For &gt;250 To 500, Deduct</i>	-71.52	
			<i>For &gt;500 To 1000, Deduct</i>	-95.80	
			<i>For &gt;1000, Deduct</i>	-120.07	
26 56 19 00-0237	EA		16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS).....	754.73	96.26
			<i>For &gt;50 To 100, Deduct</i>	-37.74	
			<i>For &gt;100 To 250, Deduct</i>	-56.60	
			<i>For &gt;250 To 500, Deduct</i>	-87.12	
			<i>For &gt;500 To 1000, Deduct</i>	-117.64	
			<i>For &gt;1000, Deduct</i>	-148.16	
<b>26 56 19 00-0238</b>			<b>Wall Pack Accessories</b> <small>(26 56 19 00-0216)</small>		
26 56 19 00-0239	EA		Photocell For Wall Pack.....	101.98	24.07
26 56 19 00-0240	EA		Wire Guard For Mini And Small Wall Pack.....	113.24	24.07
26 56 19 00-0241	EA		Wire Guard For Medium And Large Wall Pack.....	160.32	24.07
26 56 19 00-0242	EA		Clear Polycarbonate Vandal Guard For Wall Packs.....	228.25	24.07
26 56 19 00-0243	EA		Full Cutoff Visor For Wall Pack.....	110.17	24.07
<b>26 56 21</b>			<b>HID Exterior Lighting</b> <small>(26 56)</small>		
<b>26 56 21 00-0001</b>			<b>High Mast Fixtures</b> <small>(26 56 21)</small>		
<b>26 56 21 00-0002</b>			<b>Metal Halide, High Mast Fixtures</b> <small>(26 56 21 00-0001)</small>		
26 56 21 00-0003	EA		400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,558.96	136.84
26 56 21 00-0004	EA		400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	1,666.32	136.84
26 56 21 00-0005	EA		750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,651.83	156.33
26 56 21 00-0006	EA		750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	1,716.24	156.33
26 56 21 00-0007	EA		1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,736.15	195.41
26 56 21 00-0008	EA		1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	1,800.56	195.41
<b>26 56 21 00-0009</b>			<b>High Pressure Sodium, High Mast Fixtures</b> <small>(26 56 21 00-0001)</small>		
26 56 21 00-0010	EA		400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,612.39	136.84
26 56 21 00-0011	EA		400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	1,676.81	136.84
26 56 21 00-0012	EA		600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux.....	1,946.51	144.66
26 56 21 00-0013	EA		750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux.....	1,994.35	156.33
26 56 21 00-0014	EA		1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux.....	2,110.87	195.41
<b>26 56 21 00-0015</b>			<b>Metal Halide, Area Fixtures</b> <small>(26 56 21)</small>		
<b>26 56 21 00-0016</b>			<b>Metal Halide, Pole Mount, Area Fixtures</b> <small>(26 56 21 00-0015)</small>		
			Note: Includes pulse start ballast.		
26 56 21 00-0017	EA		150 Watt, Metal Halide Area Fixture, Pole Mount.....	836.28	139.28
26 56 21 00-0018	EA		175 Watt, Metal Halide Area Fixture, Pole Mount.....	917.83	153.21
26 56 21 00-0019	EA		250 Watt, Metal Halide Area Fixture, Pole Mount.....	1,014.52	167.13
26 56 21 00-0020	EA		400 Watt, Metal Halide Area Fixture, Pole Mount.....	1,077.05	194.99
<b>26 56 21 00-0021</b>			<b>HID, Pole Mounted</b> <small>(26 56 21)</small>		
<b>26 56 21 00-0022</b>			<b>Metal Halide, Pole Mounted</b> <small>(26 56 21 00-0021)</small>		

<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 21 00-0023	EA	175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	549.57	223.14
26 56 21 00-0024	EA	250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	617.88	242.21
26 56 21 00-0025	EA	400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	718.00	260.55
26 56 21 00-0026	EA	1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	914.94	305.37
<b>26 56 21 00-0027</b>		<b>High Pressure Sodium, Pole Mounted</b> <small>(26 56 21 00-0021)</small>		
26 56 21 00-0028	EA	100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	665.31	260.55
26 56 21 00-0029	EA	150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	685.56	260.55
26 56 21 00-0030	EA	175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	717.38	260.55
26 56 21 00-0031	EA	250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	801.74	260.55
26 56 21 00-0032	EA	400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	926.11	260.55
26 56 21 00-0033	EA	1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture.....	879.16	260.55
<b>26 56 21 00-0034</b>		<b>Low Pressure Sodium, Pole Mounted</b> <small>(26 56 21 00-0021)</small>		
26 56 21 00-0035	EA	135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed .....	554.07	141.74
26 56 21 00-0036	EA	135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed .....	607.95	208.44
26 56 21 00-0037	EA	180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed .....	708.46	208.44
<b>26 56 21 00-0038</b>		<b>High Pressure Sodium, Area Fixtures</b> <small>(26 56 21)</small>		
<b>26 56 21 00-0039</b>		<b>Pole Mount, High Pressure Sodium Area Fixtures</b> <small>(26 56 21 00-0038)</small>		
26 56 21 00-0040	EA	100 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	693.82	111.42
26 56 21 00-0041	EA	150 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	759.13	139.28
26 56 21 00-0042	EA	250 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	827.01	167.13
26 56 21 00-0043	EA	400 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	876.11	194.99
<b>26 56 21 00-0044</b>		<b>Surface Mounted, Rectangular Exterior Area Fixture</b> <small>(26 56 21)</small>		
<b>26 56 21 00-0045</b>		<b>Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture</b> <small>(26 56 21 00-0044)</small>		
26 56 21 00-0046	EA	175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	517.96	208.44
26 56 21 00-0047	EA	250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	588.68	234.50
26 56 21 00-0048	EA	400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	701.91	260.55
26 56 21 00-0049	EA	1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	899.97	305.37
<b>26 56 21 00-0050</b>		<b>High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture</b> <small>(26 56 21 00-0044)</small>		
26 56 21 00-0051	EA	70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	495.28	178.22
26 56 21 00-0052	EA	100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	537.46	189.68
26 56 21 00-0053	EA	150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	578.95	200.11
26 56 21 00-0054	EA	175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	598.53	208.44
26 56 21 00-0055	EA	250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	663.87	234.50
26 56 21 00-0056	EA	400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	716.36	260.55
26 56 21 00-0057	EA	1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	985.90	305.37
<b>26 56 21 00-0058</b>		<b>Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures</b> <small>(26 56 21)</small>		
<b>26 56 21 00-0059</b>		<b>High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures</b> <small>(26 56 21 00-0058)</small>		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0060	EA	35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	649.27	140.70
26 56 21 00-0061	EA	50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	673.05	156.33
26 56 21 00-0062	EA	70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	718.82	178.22
26 56 21 00-0063	EA	100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	738.27	189.68
26 56 21 00-0064	EA	150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	758.76	200.11
26 56 21 00-0065	EA	175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	795.18	208.44
26 56 21 00-0066	EA	250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	871.81	234.50
26 56 21 00-0067	EA	400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	1,061.01	260.55
<b>26 56 21 00-0068</b>		<b>Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures</b> <small>(26 56 21 00-0058)</small>		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0069	EA	50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	713.99	156.33
26 56 21 00-0070	EA	70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	753.72	178.22
26 56 21 00-0071	EA	100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	778.59	189.68
26 56 21 00-0072	EA	150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	811.80	200.11
26 56 21 00-0073	EA	175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	830.26	208.44
26 56 21 00-0074	EA	250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	908.81	234.50
26 56 21 00-0075	EA	400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	1,158.65	260.55
<b>26 56 21 00-0076</b>		<b>Wall Packs</b> <small>(26 56 21)</small>		
<b>26 56 21 00-0077</b>		<b>Non Cutoff, Polycarbonate Lens, Mini Wall Packs</b> <small>(26 56 21 00-0076)</small>		
		Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 56 21 00-0078	EA	13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	270.96		48.13
26 56 21 00-0079	EA	50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	289.55		48.13
26 56 21 00-0080	EA	35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	289.55		48.13
26 56 21 00-0081	EA	70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	379.71		48.13
<b>26 56 21 00-0082</b>		<b>Semi Cutoff, Polycarbonate Lens, Mini Wall Packs</b> <small>(26 56 21 00-0076)</small>			
Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.					
26 56 21 00-0083	EA	42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	525.23		48.13
26 56 21 00-0084	EA	40 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	531.91		48.13
26 56 21 00-0085	EA	70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	537.70		48.13
26 56 21 00-0086	EA	100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	527.15		48.13
26 56 21 00-0087	EA	70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	483.76		48.13
26 56 21 00-0088	EA	100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	459.93		48.13
<b>26 56 21 00-0089</b>		<b>Cutoff, Polycarbonate Lens, Mini Wall Packs</b> <small>(26 56 21 00-0076)</small>			
Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.					
26 56 21 00-0090	EA	50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	552.67		48.13
26 56 21 00-0091	EA	70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	558.77		48.13
26 56 21 00-0092	EA	100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	548.23		48.13
26 56 21 00-0093	EA	70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	556.72		48.13
26 56 21 00-0094	EA	100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	556.72		48.13
<b>26 56 21 00-0095</b>		<b>Non Cutoff, Borosilicate Glass Lens, Small Wall Packs</b> <small>(26 56 21 00-0076)</small>			
Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.					
26 56 21 00-0096	EA	70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	530.71		64.11
26 56 21 00-0097	EA	100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	530.71		64.11
26 56 21 00-0098	EA	175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	498.06		64.11
26 56 21 00-0099	EA	70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	510.58		64.11
26 56 21 00-0100	EA	100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	510.58		64.11
26 56 21 00-0101	EA	150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	474.37		64.11
<b>26 56 21 00-0102</b>		<b>Cutoff, Borosilicate Glass Lens, Small Wall Packs</b> <small>(26 56 21 00-0076)</small>			
Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.					
26 56 21 00-0103	EA	70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	550.06		64.11
26 56 21 00-0104	EA	100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	550.06		64.11
26 56 21 00-0105	EA	175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	550.06		64.11
26 56 21 00-0106	EA	70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	530.86		64.11
26 56 21 00-0107	EA	100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	530.86		64.11
26 56 21 00-0108	EA	150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	530.86		64.11
<b>26 56 21 00-0109</b>		<b>Full Cutoff, Tempered Glass Lens, Small Wall Packs</b> <small>(26 56 21 00-0076)</small>			
Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.					
26 56 21 00-0110	EA	175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack.....	706.35		64.11
<b>26 56 21 00-0111</b>		<b>Full Cutoff, Tempered Glass Lens, Half Cylinder Sconce/Wall Packs</b> <b>(Philips Gardco)</b> <small>(26 56 21 00-0076)</small>			
26 56 21 00-0112	EA	100 Watt Ceramic Metal Halide, Full Cutoff, Tempered Glass Lens, Half Cylinder Sconce/Wall Pack (Philips Gardco 104FT).....	1,141.58		64.11
26 56 21 00-0113	EA	42 Watt Compact Fluorescent, Full Cutoff, Tempered Glass Lens, Emergency Half Cylinder Sconce/Wall Pack (Philips Gardco 104EMMT).....	1,080.08		64.11
<b>26 56 21 00-0114</b>		<b>Cutoff, Borosilicate Glass Lens, Medium Wall Packs</b> <small>(26 56 21 00-0076)</small>			
Note: Aluminum body and reflector. Lithonia TWR2.					
26 56 21 00-0115	EA	250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack.....	668.68		79.41
Note: 9-1/4" x 17-7/8" x 9-3/8".					
26 56 21 00-0116	EA	400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack.....	712.94		79.41
Note: 9-1/4" x 17-7/8" x 12-1/2".					
26 56 21 00-0117	EA	250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack.....	765.72		79.41
Note: 9-1/4" x 17-7/8" x 9-3/8".					
26 56 21 00-0118	EA	400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack.....	780.24		79.41
Note: 9-1/4" x 17-7/8" x 12-1/2".					
<b>26 56 21 00-0119</b>		<b>Cutoff, Tempered Glass Lens, Medium Wall Packs</b> <small>(26 56 21 00-0076)</small>			
Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.					
26 56 21 00-0120	EA	250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack.....	725.61		79.41
26 56 21 00-0121	EA	400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack.....	775.35		79.41
<b>26 56 21 00-0122</b>		<b>Non Cutoff, Polycarbonate Lens, Large Wall Packs</b> <small>(26 56 21 00-0076)</small>			
Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.					
26 56 21 00-0123	EA	100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	675.06		96.26
26 56 21 00-0124	EA	175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	622.38		96.26
26 56 21 00-0125	EA	70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	662.87		96.26
26 56 21 00-0126	EA	100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	666.90		96.26
26 56 21 00-0127	EA	150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	671.13		96.26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 21 00-0128	<b>Non Cutoff, Borosilicate Glass Lens, Large Wall Packs</b> <small>(26 56 21 00-0076)</small>	
	Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.	
26 56 21 00-0129	EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	675.07 96.26
26 56 21 00-0130	EA 250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	692.65 96.26
26 56 21 00-0131	EA 400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	745.33 96.26
26 56 21 00-0132	EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	710.22 96.26
26 56 21 00-0133	EA 250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	727.79 96.26
26 56 21 00-0134	EA 400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	762.88 96.26

26 56 21 00-0135	<b>Semi Cutoff, Induction Wall Packs</b> <small>(26 56 21 00-0076)</small>	
26 56 21 00-0136	<b>Semi Cutoff, Induction Wall Packs (Everlast®)</b> <small>(26 56 21 00-0135)</small>	
	Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.	
26 56 21 00-0137	EA 70 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70) .....	861.41 94.00
26 56 21 00-0138	EA 80 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80) .....	879.97 99.52
26 56 21 00-0139	EA 100 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100) .....	898.54 105.05
26 56 21 00-0140	EA 120 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120) .....	999.64 110.59

26 56 21 00-0141	<b>Non Cutoff, Polycarbonate Lens, Small Wall Packs</b> <small>(26 56 21 00-0076)</small>	
26 56 21 00-0142	EA 15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPAK1N/015UNV740/NC/BZ/P) .....	279.28 48.13

26 56 21 00-0143	<b>Induction, Roadway Lighting</b> <small>(26 56 21)</small>	
26 56 21 00-0144	<b>Induction Roadway Lighting (US Lighting Tech)</b> <small>(26 56 21 00-0143)</small>	
	Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.	
26 56 21 00-0145	EA 40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	569.12 165.88
26 56 21 00-0146	EA 70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	626.71 171.40
26 56 21 00-0147	EA 100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	648.83 182.46
26 56 21 00-0148	EA 150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	670.95 193.52
26 56 21 00-0149	EA 200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	789.05 199.05
26 56 21 00-0150	EA 250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	803.83 204.58
26 56 21 00-0151	EA 40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) .....	530.03 165.88
26 56 21 00-0152	EA 70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) .....	593.20 171.40
26 56 21 00-0153	EA 100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) .....	615.32 182.46
26 56 21 00-0154	EA 150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) .....	637.44 193.52

26 56 21 00-0155	<b>Induction, Area Fixtures</b> <small>(26 56 21)</small>	
26 56 21 00-0156	<b>Post Top, Induction Area Fixtures</b> <small>(26 56 21 00-0155)</small>	
26 56 21 00-0157	<b>Post Top, Induction Area Fixtures (US Lighting Tech)</b> <small>(26 56 21 00-0156)</small>	
	Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.	
26 56 21 00-0158	EA 40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) .....	640.14 152.05
26 56 21 00-0159	EA 70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) .....	694.13 152.05
26 56 21 00-0160	EA 100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) .....	694.13 152.05
26 56 21 00-0161	EA 150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) .....	694.13 152.05

26 56 21 00-0162	<b>Surface Mount, Induction Parking Structure Fixtures</b> <small>(26 56 21 00-0155)</small>	
26 56 21 00-0163	<b>Surface Mount, Induction Parking Structure Fixtures (Everlast®)</b> <small>(26 56 21 00-0162)</small>	
26 56 21 00-0164	EA 40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	575.56 138.23
26 56 21 00-0165	EA 55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	612.74 141.00
26 56 21 00-0166	EA 70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	621.99 143.76
26 56 21 00-0167	EA 80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	631.24 146.52
26 56 21 00-0168	EA 100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	640.49 149.29
26 56 21 00-0169	EA 120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	653.47 152.05
26 56 21 00-0170	EA 70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	675.98 143.76
26 56 21 00-0171	EA 80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	685.23 146.52
26 56 21 00-0172	EA 100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	694.47 149.29
26 56 21 00-0173	EA 120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	723.29 152.05

26 56 21 00-0174	<b>Pole Mount, Induction Area Fixtures</b> <small>(26 56 21 00-0155)</small>	
26 56 21 00-0175	<b>Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED)</b> <small>(26 56 21 00-0174)</small>	
	Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.	
26 56 21 00-0176	EA 70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70) .....	898.93 94.00
26 56 21 00-0177	EA 80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80) .....	924.99 99.52
26 56 21 00-0178	EA 100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100) .....	951.06 105.05

**26 Electrical**

26 50 Lighting

26 56 Exterior Lighting

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**END OF SECTION 26**

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

### 27 01 Operation and Maintenance of Communications Systems <sup>(27)</sup>

#### 27 01 10 Operation and Maintenance of Structured Cabling and Enclosures <sup>(27 01)</sup>

27 01 10 00-0001	HR Testing Of Existing Data Communication Cabling .....	79.50	
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### 27 05 Common Work Results for Communications <sup>(27)</sup>

#### 27 05 26 Grounding and Bonding for Communications Systems <sup>(27 05)</sup>

27 05 26 00-0001	EA 25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00) ..... Note: Excludes terminations.	749.53	98.58
27 05 26 00-0002	EA 50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00) ..... Note: Excludes terminations.	961.83	131.48
27 05 26 00-0003	EA 100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00) ..... Note: Excludes terminations.	1,519.09	197.16
27 05 26 00-0004	EA Lucent 3B1-EW, Gas Tube Protector Unit .....	9.06	1.45
27 05 26 00-0005	EA 44 Terminal Copper Ground Bus Bar (Siemens ECGK) .....	63.34	26.05
27 05 26 00-0006	EA 2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar .....	145.28	26.05
27 05 26 00-0007	EA 4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar .....	270.52	26.05
27 05 26 00-0008	EA #6 AWG, Cable Runway Ground Strap .....	53.55	4.82
27 05 26 00-0009	EA 1/4" Screw Size, #6 AWG Compression Lug .....	19.41	4.82
27 05 26 00-0010	EA 3/8" Screw Size, #6 AWG Compression Lug .....	20.61	4.82
27 05 26 00-0011	EA Two Mounting Hole, Ground Terminal Block .....	22.84	4.82

#### 27 05 29 Hangers and Supports for Communications Systems <sup>(27 05)</sup>

See CSI section 26 05 29 00-0000 for hangers and supports.

##### 27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29)</sup>

##### 27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29 00-0001)</sup>

Note: Includes screw.

27 05 29 00-0003	EA 3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12) .....	7.25	2.41
	<i>For &gt;50 To 100, Deduct</i>	-0.30	
	<i>For &gt;100 To 250, Deduct</i>	-0.60	
	<i>For &gt;250 To 500, Deduct</i>	-1.15	
	<i>For &gt;500, Deduct</i>	-1.69	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.31	
	<i>For Work In Restricted Working Space, Add</i>	1.45	
	<i>For Painted Powder Coated Finish, Add</i>	0.49	
27 05 29 00-0004	EA 1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21) .....	7.62	2.41
	<i>For &gt;50 To 100, Deduct</i>	-0.31	
	<i>For &gt;100 To 250, Deduct</i>	-0.62	
	<i>For &gt;250 To 500, Deduct</i>	-1.17	
	<i>For &gt;500, Deduct</i>	-1.73	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.31	
	<i>For Work In Restricted Working Space, Add</i>	1.45	
	<i>For Painted Powder Coated Finish, Add</i>	1.73	
	<i>For Low Friction Xylan® Coated Finish, Add</i>	6.16	
27 05 29 00-0005	EA 2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32) .....	8.21	2.41
	<i>For &gt;50 To 100, Deduct</i>	-0.33	
	<i>For &gt;100 To 250, Deduct</i>	-0.65	
	<i>For &gt;250 To 500, Deduct</i>	-1.22	
	<i>For &gt;500, Deduct</i>	-1.79	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.31	
	<i>For Work In Restricted Working Space, Add</i>	1.45	
	<i>For Painted Powder Coated Finish, Add</i>	2.12	
	<i>For Low Friction Xylan® Coated Finish, Add</i>	7.66	
27 05 29 00-0006	EA 4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64) .....	13.25	2.41
	<i>For &gt;50 To 100, Deduct</i>	-0.45	
	<i>For &gt;100 To 250, Deduct</i>	-0.90	
	<i>For &gt;250 To 500, Deduct</i>	-1.60	
	<i>For &gt;500, Deduct</i>	-2.29	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.31	
	<i>For Work In Restricted Working Space, Add</i>	1.45	
	<i>For Painted Powder Coated Finish, Add</i>	1.13	
	<i>For Low Friction Xylan® Coated Finish, Add</i>	6.78	

##### 27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29 00-0001)</sup>

Note: Includes screw.

**27 Communications****27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0008	EA		3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB).....	8.13	2.41
			<i>For &gt;50 To 100, Deduct</i>	-0.32	
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-1.21	
			<i>For &gt;500, Deduct</i>	-1.78	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.31	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
27 05 29 00-0009	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB) .....	10.40	2.41
			<i>For &gt;50 To 100, Deduct</i>	-0.38	
			<i>For &gt;100 To 250, Deduct</i>	-0.76	
			<i>For &gt;250 To 500, Deduct</i>	-1.38	
			<i>For &gt;500, Deduct</i>	-2.00	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.31	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
27 05 29 00-0010	EA		2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB).....	11.50	2.41
			<i>For &gt;50 To 100, Deduct</i>	-0.41	
			<i>For &gt;100 To 250, Deduct</i>	-0.82	
			<i>For &gt;250 To 500, Deduct</i>	-1.47	
			<i>For &gt;500, Deduct</i>	-2.11	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.31	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
27 05 29 00-0011	EA		4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB).....	15.46	2.41
			<i>For &gt;50 To 100, Deduct</i>	-0.51	
			<i>For &gt;100 To 250, Deduct</i>	-1.01	
			<i>For &gt;250 To 500, Deduct</i>	-1.76	
			<i>For &gt;500, Deduct</i>	-2.51	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.31	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
27 05 29 00-0012			<b>Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)</b> (27 05 29 00-0001)		
			Note: Excludes strut.		
27 05 29 00-0013	EA		3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4) .....	8.55	2.41
			<i>For &gt;50 To 100, Deduct</i>	-0.33	
			<i>For &gt;100 To 250, Deduct</i>	-0.67	
			<i>For &gt;250 To 500, Deduct</i>	-1.24	
			<i>For &gt;500, Deduct</i>	-1.82	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
27 05 29 00-0014	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4) .....	10.06	2.41
			<i>For &gt;50 To 100, Deduct</i>	-0.37	
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-1.36	
			<i>For &gt;500, Deduct</i>	-1.97	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
27 05 29 00-0015	EA		2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4) .....	10.85	2.41
			<i>For &gt;50 To 100, Deduct</i>	-0.39	
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-1.42	
			<i>For &gt;500, Deduct</i>	-2.05	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
27 05 29 00-0016	EA		4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4) .....	14.58	2.41
			<i>For &gt;50 To 100, Deduct</i>	-0.49	
			<i>For &gt;100 To 250, Deduct</i>	-0.97	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500, Deduct</i>	-2.42	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
27 05 29 00-0017			<b>T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)</b> (27 05 29 00-0001)		
			Note: Excludes T-Bar.		
27 05 29 00-0018	EA		3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28) .....	10.21	2.41
			<i>For &gt;50 To 100, Deduct</i>	-0.38	
			<i>For &gt;100 To 250, Deduct</i>	-0.75	
			<i>For &gt;250 To 500, Deduct</i>	-1.37	
			<i>For &gt;500, Deduct</i>	-1.99	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
27 05 29 00-0019	EA		1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28) .....	12.77	2.41
			<i>For &gt;50 To 100, Deduct</i>	-0.44	
			<i>For &gt;100 To 250, Deduct</i>	-0.88	
			<i>For &gt;250 To 500, Deduct</i>	-1.56	
			<i>For &gt;500, Deduct</i>	-2.24	
			<i>For Work In Restricted Working Space, Add</i>	1.45	



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

27 05 29 00-0020	EA	2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28) .....	13.44	2.41
		<i>For &gt;50 To 100, Deduct</i>	-0.46	
		<i>For &gt;100 To 250, Deduct</i>	-0.91	
		<i>For &gt;250 To 500, Deduct</i>	-1.61	
		<i>For &gt;500, Deduct</i>	-2.31	
		<i>For Work In Restricted Working Space, Add</i>	1.45	

**27 05 29 00-0021 Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** (27 05 29 00-0001)

Note: Excludes threaded rod. See CSI section 26 05 29 00-0372 for threaded rod.

27 05 29 00-0022	EA	3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6) .....	8.35	2.41
		<i>For &gt;50 To 100, Deduct</i>	-0.33	
		<i>For &gt;100 To 250, Deduct</i>	-0.66	
		<i>For &gt;250 To 500, Deduct</i>	-1.23	
		<i>For &gt;500, Deduct</i>	-1.80	
		<i>For Work In Restricted Working Space, Add</i>	1.45	

27 05 29 00-0023	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6) .....	8.70	2.41
		<i>For &gt;50 To 100, Deduct</i>	-0.34	
		<i>For &gt;100 To 250, Deduct</i>	-0.68	
		<i>For &gt;250 To 500, Deduct</i>	-1.26	
		<i>For &gt;500, Deduct</i>	-1.83	
		<i>For Work In Restricted Working Space, Add</i>	1.45	

27 05 29 00-0024	EA	2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6) .....	10.47	2.41
		<i>For &gt;50 To 100, Deduct</i>	-0.38	
		<i>For &gt;100 To 250, Deduct</i>	-0.76	
		<i>For &gt;250 To 500, Deduct</i>	-1.39	
		<i>For &gt;500, Deduct</i>	-2.01	
		<i>For Work In Restricted Working Space, Add</i>	1.45	

**27 05 29 00-0025 Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** (27 05 29 00-0001)

Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0372 for threaded rod, nuts and washers.

27 05 29 00-0026	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB) .....	10.27	2.41
		<i>For &gt;50 To 100, Deduct</i>	-0.38	
		<i>For &gt;100 To 250, Deduct</i>	-0.75	
		<i>For &gt;250 To 500, Deduct</i>	-1.37	
		<i>For &gt;500, Deduct</i>	-1.99	
		<i>For Work In Restricted Working Space, Add</i>	1.45	

27 05 29 00-0027	EA	2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB) .....	11.10	2.41
		<i>For &gt;50 To 100, Deduct</i>	-0.40	
		<i>For &gt;100 To 250, Deduct</i>	-0.80	
		<i>For &gt;250 To 500, Deduct</i>	-1.44	
		<i>For &gt;500, Deduct</i>	-2.07	
		<i>For Work In Restricted Working Space, Add</i>	1.45	

27 05 29 00-0028	EA	4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB) .....	15.22	2.41
		<i>For &gt;50 To 100, Deduct</i>	-0.50	
		<i>For &gt;100 To 250, Deduct</i>	-1.00	
		<i>For &gt;250 To 500, Deduct</i>	-1.74	
		<i>For &gt;500, Deduct</i>	-2.49	
		<i>For Work In Restricted Working Space, Add</i>	1.45	

**27 05 29 00-0029 Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** (27 05 29 00-0001)

27 05 29 00-0030	EA	3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A) .....	10.15	2.41
		<i>For &gt;50 To 100, Deduct</i>	-0.37	
		<i>For &gt;100 To 250, Deduct</i>	-0.75	
		<i>For &gt;250 To 500, Deduct</i>	-1.36	
		<i>For &gt;500, Deduct</i>	-1.98	
		<i>For Work In Restricted Working Space, Add</i>	1.45	

27 05 29 00-0031	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A) .....	11.63	2.41
		<i>For &gt;50 To 100, Deduct</i>	-0.41	
		<i>For &gt;100 To 250, Deduct</i>	-0.82	
		<i>For &gt;250 To 500, Deduct</i>	-1.47	
		<i>For &gt;500, Deduct</i>	-2.13	
		<i>For Work In Restricted Working Space, Add</i>	1.45	

27 05 29 00-0032	EA	2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A) .....	12.42	2.41
		<i>For &gt;50 To 100, Deduct</i>	-0.43	
		<i>For &gt;100 To 250, Deduct</i>	-0.86	
		<i>For &gt;250 To 500, Deduct</i>	-1.53	
		<i>For &gt;500, Deduct</i>	-2.21	
		<i>For Work In Restricted Working Space, Add</i>	1.45	

**27 Communications****27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 05 29 00-0033	EA	4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A) .....	16.72	2.41
		For >50 To 100, Deduct	-0.54	
		For >100 To 250, Deduct	-1.08	
		For >250 To 500, Deduct	-1.86	
		For >500, Deduct	-2.64	
		For Work In Restricted Working Space, Add	1.45	

**27 05 29 00-0034 Adjustable Cable Supports (Caddy® CableCat CAT425) (27 05 29)**

27 05 29 00-0035	EA	Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	28.57	3.18
		For >50 To 100, Deduct	-0.96	
		For >100 To 250, Deduct	-1.91	
		For >250 To 500, Deduct	-3.35	
		For >500, Deduct	-4.78	
		For Installation On Concrete (Includes Drilling And Fastener), Add	2.51	
		For Work In Restricted Working Space, Add	2.89	
27 05 29 00-0036	EA	Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	29.12	3.18
		For >50 To 100, Deduct	-0.97	
		For >100 To 250, Deduct	-1.94	
		For >250 To 500, Deduct	-3.39	
		For >500, Deduct	-4.84	
		For Work In Restricted Working Space, Add	2.89	
27 05 29 00-0037	EA	Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	32.00	3.18
		For >50 To 100, Deduct	-1.04	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-3.60	
		For >500, Deduct	-5.13	
		For Work In Restricted Working Space, Add	2.89	
27 05 29 00-0038	EA	>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	28.48	3.18
		For >50 To 100, Deduct	-0.95	
		For >100 To 250, Deduct	-1.91	
		For >250 To 500, Deduct	-3.34	
		For >500, Deduct	-4.77	
		For Work In Restricted Working Space, Add	2.89	
27 05 29 00-0039	EA	Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	29.81	3.18
		For >50 To 100, Deduct	-0.99	
		For >100 To 250, Deduct	-1.97	
		For >250 To 500, Deduct	-3.44	
		For >500, Deduct	-4.91	
		For Work In Restricted Working Space, Add	2.89	
27 05 29 00-0040	EA	>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	31.13	3.18
		For >50 To 100, Deduct	-1.02	
		For >100 To 250, Deduct	-2.04	
		For >250 To 500, Deduct	-3.54	
		For >500, Deduct	-5.04	
		For Work In Restricted Working Space, Add	2.89	
27 05 29 00-0041	EA	Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	29.36	3.18
		For >50 To 100, Deduct	-0.97	
		For >100 To 250, Deduct	-1.95	
		For >250 To 500, Deduct	-3.41	
		For >500, Deduct	-4.86	
		For Work In Restricted Working Space, Add	2.89	

**27 05 33 Conduits and Backboxes for Communications Systems (27 05)**

See CSI section 26 05 33 00-0000 for conduit and boxes.

**27 05 36 Cable Trays for Communications Systems (27 05)**

See CSI section 26 05 36 00-0000 for cable trays.

**27 05 39 Surface Raceways for Communications Systems (27 05)**

See CSI section 26 05 33 00-0000 for surface raceways.

**27 05 43 Underground Ducts and Raceways for Communications****Systems (27 05)**

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

**27 05 46 Utility Poles for Communications Systems (27 05)**

See CSI section 26 05 46 00-0000 for utility poles.

**27 05 53 Identification for Communications Systems (27 05)**

See CSI section 26 05 53 00-0000 for identification.

**27 10 Structured Cabling (27)**

Note: Includes testing.

**27 11 Communications Equipment Room Fittings (27 10)****27 11 16 Communications Cabinets, Racks, Frames, and Enclosures (27 11)**

27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards (27 11 16)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0002 EA 4' x 4' x 3/4" Fire Retardant Plywood Backboard ..... <i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	147.77 41.07	25.03
27 11 16 00-0003 EA 4' x 8' x 3/4" Fire Retardant Plywood Backboard ..... <i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	295.54 82.14	50.06
<b>27 11 16 00-0004 Terminal Cabinets <small>(27 11 16)</small></b>		
27 11 16 00-0005 EA 12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	284.85	72.19
27 11 16 00-0006 EA 18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	359.48	79.41
27 11 16 00-0007 EA 24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	413.65	91.44
27 11 16 00-0008 EA 18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard.....	429.31	93.85
27 11 16 00-0009 EA 24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard.....	524.45	96.26
27 11 16 00-0010 EA 26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard.....	648.95	108.29
27 11 16 00-0011 EA 24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	664.19	105.88
27 11 16 00-0012 EA 30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	853.79	150.84
27 11 16 00-0013 EA 36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	913.47	165.76
27 11 16 00-0014 EA 42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,102.81	175.10
27 11 16 00-0015 EA 30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	910.84	144.39
27 11 16 00-0016 EA 36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	985.06	156.43
27 11 16 00-0017 EA 48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,228.27	200.51
27 11 16 00-0018 EA 54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,475.18	250.67
27 11 16 00-0019 EA 48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,671.71	247.87
27 11 16 00-0020 EA 60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,920.67	301.59
<b>27 11 16 00-0021 Equipment Racks And Cable Managers <small>(27 11 16)</small></b>		
<b>27 11 16 00-0022 Equipment Racks <small>(27 11 16 00-0021)</small></b>		
Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.		
<b>27 11 16 00-0023 Standard Equipment Racks <small>(27 11 16 00-0022)</small></b>		
<b>27 11 16 00-0024 19" Width, Standard Equipment Racks <small>(27 11 16 00-0023)</small></b>		
27 11 16 00-0025 EA 84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	485.44 8.87	154.02
27 11 16 00-0026 EA 96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	677.36 17.50	163.65
27 11 16 00-0027 EA 108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	731.97 19.27	173.27
<b>27 11 16 00-0028 Universal Equipment Racks <small>(27 11 16 00-0028)</small></b>		
<b>27 11 16 00-0029 Universal Equipment Racks <small>(27 11 16 00-0028)</small></b>		
<b>27 11 16 00-0030 19" Width, EIA Universal Equipment Racks <small>(27 11 16 00-0029)</small></b>		
27 11 16 00-0031 EA 36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	636.38 18.34	134.77
27 11 16 00-0032 EA 48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	696.16 21.09	137.17
27 11 16 00-0033 EA 60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	695.06 20.80	139.58
27 11 16 00-0034 EA 66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	713.01 21.45	141.99
27 11 16 00-0035 EA 72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	730.74 22.10	144.39
27 11 16 00-0036 EA 78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	749.98 22.82	146.80
27 11 16 00-0037 EA 84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	637.21 16.94	149.21
27 11 16 00-0038 EA 90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	787.32 24.21	151.61
27 11 16 00-0039 EA 96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	815.41 25.37	154.02
27 11 16 00-0040 EA 102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	839.91 26.35	156.43
27 11 16 00-0041 EA 108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	845.72 26.40	158.83
<b>27 11 16 00-0042 23" Width, Universal Equipment Racks <small>(27 11 16 00-0029)</small></b>		
27 11 16 00-0043 EA 36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	674.03 20.23	134.77
27 11 16 00-0044 EA 48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	697.56 21.16	137.17
27 11 16 00-0045 EA 60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	718.25 21.95	139.58
27 11 16 00-0046 EA 66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	757.09 23.66	141.99
27 11 16 00-0047 EA 72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	776.13 24.37	144.39
27 11 16 00-0048 EA 78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	796.87 25.16	146.80
27 11 16 00-0049 EA 84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	684.64 19.31	149.21
27 11 16 00-0050 EA 90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	837.09 26.69	151.61

**27 Communications****27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0051	EA		96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	867.53 27.97	154.02
27 11 16 00-0052	EA		102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	894.09 29.06	156.43
27 11 16 00-0053	EA		108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	899.98 29.12	158.83
<b>27 11 16 00-0054</b>			<b>35" Width, Universal Equipment Racks</b> (27 11 16 00-0029)		
27 11 16 00-0055	EA		72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	839.94 27.56	144.39
27 11 16 00-0056	EA		84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	884.74 29.32	149.21
27 11 16 00-0057			<b>UL Listed Universal Equipment Racks</b> (27 11 16 00-0028) Note: UL listed as a communications circuit accessory.		
<b>27 11 16 00-0058</b>			<b>19" Width, UL Listed Universal Equipment Racks</b> (27 11 16 00-0057)		
27 11 16 00-0059	EA		36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	673.08 20.18	134.77
27 11 16 00-0060	EA		48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	728.27 22.70	137.17
27 11 16 00-0061	EA		60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	739.41 23.01	139.58
27 11 16 00-0062	EA		66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	755.94 23.60	141.99
27 11 16 00-0063	EA		72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	774.93 24.31	144.39
27 11 16 00-0064	EA		78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	795.61 25.10	146.80
27 11 16 00-0065	EA		84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	815.45 25.85	149.21
27 11 16 00-0066	EA		90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	835.75 26.63	151.61
27 11 16 00-0067	EA		96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	866.17 27.91	154.02
27 11 16 00-0068	EA		102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	892.66 28.99	156.43
27 11 16 00-0069	EA		108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	898.48 29.04	158.83
<b>27 11 16 00-0070</b>			<b>23" Width, UL Listed Universal Equipment Racks</b> (27 11 16 00-0057)		
27 11 16 00-0071	EA		36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	714.52 22.25	134.77
27 11 16 00-0072	EA		48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	784.47 25.51	137.17
27 11 16 00-0073	EA		60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	794.43 25.76	139.58
27 11 16 00-0074	EA		66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	804.40 26.02	141.99
27 11 16 00-0075	EA		72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	824.86 26.80	144.39
27 11 16 00-0076	EA		78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	847.20 27.68	146.80
27 11 16 00-0077	EA		84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	868.57 28.51	149.21
27 11 16 00-0078	EA		90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	890.45 29.36	151.61
27 11 16 00-0079	EA		96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	923.47 30.77	154.02
27 11 16 00-0080	EA		102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	952.22 31.97	156.43
27 11 16 00-0081	EA		108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	958.30 32.03	158.83
27 11 16 00-0082			<b>4-Post Equipment Racks And Server Frames</b> (27 11 16 00-0022)		
<b>27 11 16 00-0083</b>			<b>4-Post Equipment Racks</b> (27 11 16 00-0082)		
27 11 16 00-0084	EA		19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,362.93 44.08	240.65
27 11 16 00-0085	EA		19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,489.17 49.43	250.28
27 11 16 00-0086	EA		19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,608.22 54.42	259.90
<b>27 11 16 00-0087</b>			<b>4-Post Server Frame</b> (27 11 16 00-0082)		
27 11 16 00-0088	EA		19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,401.71 46.02	240.65
27 11 16 00-0089			<b>Cable Managers</b> (27 11 16 00-0021)		
27 11 16 00-0090			<b>Horizontal Cable Managers</b> (27 11 16 00-0089)		

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 11 16 00-0091		Single-Sided, Horizontal Cable Managers <small>(27 11 16 00-0090)</small>			
27 11 16 00-0092	EA	1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	79.25		9.63
27 11 16 00-0093	EA	1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	88.35		9.63
27 11 16 00-0094	EA	1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	66.02		9.63
27 11 16 00-0095	EA	2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	80.62		9.63
27 11 16 00-0096	EA	2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	94.71		9.63
27 11 16 00-0097	EA	2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	73.21		9.63
27 11 16 00-0098	EA	3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	109.00		9.63
27 11 16 00-0099	EA	3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	129.21		9.63
27 11 16 00-0100	EA	3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	87.60		9.63

27 11 16 00-0101		Double-Sided, Horizontal Cable Managers <small>(27 11 16 00-0090)</small>			
27 11 16 00-0102	EA	1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	98.65		9.63
27 11 16 00-0103	EA	1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	110.64		9.63
27 11 16 00-0104	EA	2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	103.84		9.63
27 11 16 00-0105	EA	2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	121.02		9.63
27 11 16 00-0106	EA	3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	134.64		9.63
27 11 16 00-0107	EA	3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	150.88		9.63

27 11 16 00-0108		Vertical Cable Managers <small>(27 11 16 00-0089)</small>			
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27 11 16 00-0109		Single-Sided, Vertical Cable Managers <small>(27 11 16 00-0108)</small>			
27 11 16 00-0110	EA	3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	178.17		14.44
27 11 16 00-0111	EA	6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	251.91		14.44
27 11 16 00-0112	EA	10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	406.60		14.44
27 11 16 00-0113	EA	12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	460.56		14.44
27 11 16 00-0114	EA	3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	190.76		14.44
27 11 16 00-0115	EA	6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	271.70		14.44
27 11 16 00-0116	EA	10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	442.57		14.44
27 11 16 00-0117	EA	12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	496.53		14.44
27 11 16 00-0118	EA	3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	215.94		14.44
27 11 16 00-0119	EA	6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	298.68		14.44
27 11 16 00-0120	EA	10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	496.53		14.44
27 11 16 00-0121	EA	12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	550.49		14.44

27 11 16 00-0122		Double-Sided, Vertical Cable Managers <small>(27 11 16 00-0108)</small>			
27 11 16 00-0123	EA	3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	259.11		14.44
27 11 16 00-0124	EA	6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	305.87		14.44
27 11 16 00-0125	EA	10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	496.53		14.44
27 11 16 00-0126	EA	12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	586.47		14.44
27 11 16 00-0127	EA	3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	280.69		14.44
27 11 16 00-0128	EA	6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	327.46		14.44
27 11 16 00-0129	EA	10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	532.51		14.44
27 11 16 00-0130	EA	12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	622.44		14.44
27 11 16 00-0131	EA	3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	309.47		14.44
27 11 16 00-0132	EA	6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	356.24		14.44
27 11 16 00-0133	EA	10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	586.47		14.44
27 11 16 00-0134	EA	12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	676.40		14.44

27 11 16 00-0135		Accessories For Vertical Cable Managers <small>(27 11 16 00-0108)</small>			
27 11 16 00-0136	EA	Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	109.18		9.63
27 11 16 00-0137	EA	Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	116.38		9.63
27 11 16 00-0138	EA	Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	123.57		9.63
27 11 16 00-0139	EA	Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	112.78		9.63
27 11 16 00-0140	EA	Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	123.57		9.63
27 11 16 00-0141	EA	Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	134.36		9.63
27 11 16 00-0142	EA	Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	127.17		9.63
27 11 16 00-0143	EA	Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	137.96		9.63
27 11 16 00-0144	EA	Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	148.75		9.63
27 11 16 00-0145	EA	Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	134.36		9.63
27 11 16 00-0146	EA	Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	148.75		9.63
27 11 16 00-0147	EA	Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	159.55		9.63
27 11 16 00-0148	EA	Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	91.20		9.63
27 11 16 00-0149	EA	Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	105.59		9.63
27 11 16 00-0150	EA	Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	110.44		9.63
27 11 16 00-0151	EA	Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	69.61		9.63

**27 11 19 Communications Termination Blocks and Patch Panels (27 11)**

Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 26 05 53 00-0020 for labeling.

27 11 19 00-0001		Computer Network Components <small>(27 11 19)</small>			
<b>27 11 19 00-0002 Ethernet Patch Panels <small>(27 11 19 00-0001)</small></b>					
27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel	221.17		48.13
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel	327.75		48.13
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel	428.60		48.13
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel	522.57		48.13
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel	626.72		60.17
27 11 19 00-0008	EA	96 Port, Category 5E Patch Panel	964.93		72.19

**27 Communications****27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0009	EA		12 Port, Category 6 Patch Panel.....	272.75	48.13
27 11 19 00-0010	EA		24 Port, Category 6 Patch Panel.....	334.63	48.13
27 11 19 00-0011	EA		48 Port, Category 6 Patch Panel.....	573.00	48.13
27 11 19 00-0012	EA		96 Port, Category 6 Patch Panel.....	1,061.19	72.19
27 11 19 00-0013	EA		16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP).....	551.65	72.19
27 11 19 00-0014	EA		16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP).....	581.29	72.19
27 11 19 00-0015	EA		12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289).....	231.47	48.13
27 11 19 00-0016	EA		12 Port, Category 6 Patch Panel With Rear Cable Management Bar.....	308.30	48.13
27 11 19 00-0017	EA		24 Port, Category 6 Patch Panel With Rear Cable Management Bar.....	370.17	48.13
27 11 19 00-0018	EA		48 Port, Category 6 Patch Panel With Rear Cable Management Bar.....	608.54	48.13
27 11 19 00-0019	EA		96 Port, Category 6 Patch Panel With Rear Cable Management Bar.....	1,096.73	72.19
27 11 19 00-0020	EA		Terminate One End Of A 4 Pair Cable To Category "X" Specifications.....	34.10	
			<i>For &gt;5 To 10 Cables, Deduct</i>	-6.14	
			<i>For &gt;10 Cables, Deduct</i>	-13.64	
27 11 19 00-0021	EA		Terminate One End Of A Twisted Pair Of Wires.....	9.38	
			Note: Per each pair		
			<i>For &gt;20 To 40 Pairs, Deduct</i>	-1.50	
			<i>For &gt;40 Pairs, Deduct</i>	-3.56	
27 11 19 00-0022			<b>Fiber Optic Cable Patch Panels And Enclosures</b> (27 11 19 00-0001)		
27 11 19 00-0023			<b>Fiber Optic Cable Connector Housings</b> (27 11 19 00-0022)		
27 11 19 00-0024			<b>Wall Mount, Fiber Optic Cable Connector Housings</b> (27 11 19 00-0023) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.		
27 11 19 00-0025	EA		1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	119.90	21.66
27 11 19 00-0026	EA		2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	179.50	21.66
27 11 19 00-0027	EA		4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	267.68	21.66
27 11 19 00-0028	EA		6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	394.74	36.10
27 11 19 00-0029	EA		12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	551.73	36.10
27 11 19 00-0030			<b>Rack Mount, Fiber Optic Cable Connector Housings</b> (27 11 19 00-0023) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.		
27 11 19 00-0031	EA		2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing.....	410.83	36.10
27 11 19 00-0032	EA		4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing.....	470.69	36.10
27 11 19 00-0033	EA		6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing.....	507.30	36.10
27 11 19 00-0034	EA		12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing.....	595.77	36.10
27 11 19 00-0035			<b>Rack Mount, Fiber Optic Cable Pretium® Connector Housings</b> (27 11 19 00-0023) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.		
27 11 19 00-0036	EA		2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing.....	513.42	36.10
			<i>For Splice Tray Bracket, Add</i>	55.37	
27 11 19 00-0037	EA		4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing.....	602.46	36.10
			<i>For Splice Tray Bracket, Add</i>	60.55	
27 11 19 00-0038	EA		12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing.....	752.51	36.10
			<i>For Splice Tray Bracket, Add</i>	220.61	
27 11 19 00-0039			<b>Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings</b> (27 11 19 00-0023) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.		
27 11 19 00-0040	EA		8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	653.10	36.10
27 11 19 00-0041	EA		12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	836.68	36.10
27 11 19 00-0042	EA		24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	947.97	36.10
27 11 19 00-0043	EA		48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	1,231.80	36.10
27 11 19 00-0044			<b>Wall Mount, Fiber Optic Cable Industrial Connector Housings</b> (27 11 19 00-0023) Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.		
27 11 19 00-0045	EA		2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	584.84	21.66
27 11 19 00-0046	EA		6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	807.99	36.10
27 11 19 00-0047	EA		12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	848.19	36.10
27 11 19 00-0048			<b>Wall Mount, Fiber Optic Cable Environmental Connector Housings</b> (27 11 19 00-0023) Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.		
27 11 19 00-0049	EA		2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	612.62	21.66
27 11 19 00-0050	EA		6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	807.50	36.10
27 11 19 00-0051	EA		12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	949.72	36.10
27 11 19 00-0052			<b>Fiber Optic Cable Connector Panels</b> (27 11 19 00-0022)		
27 11 19 00-0053			<b>SC Simplex, Fiber Optic Cable Connector Panels</b> (27 11 19 00-0052)		
27 11 19 00-0054	EA		6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	80.20	4.81
27 11 19 00-0055	EA		6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	87.10	4.81
27 11 19 00-0056	EA		8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	97.81	4.81
27 11 19 00-0057	EA		8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	107.01	4.81
27 11 19 00-0058	EA		12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	133.06	4.81

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0059 EA 12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	146.81	4.81
<b>27 11 19 00-0060 SC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0052)</b>		
27 11 19 00-0061 EA 6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	77.15	4.81
27 11 19 00-0062 EA 6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	78.77	4.81
27 11 19 00-0063 EA 8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	93.77	4.81
27 11 19 00-0064 EA 8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	95.92	4.81
27 11 19 00-0065 EA 12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	126.99	4.81
27 11 19 00-0066 EA 12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	130.20	4.81
<b>27 11 19 00-0067 LC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0052)</b>		
27 11 19 00-0068 EA 6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	83.38	4.81
27 11 19 00-0069 EA 6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	91.51	4.81
27 11 19 00-0070 EA 8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	102.04	4.81
27 11 19 00-0071 EA 8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	112.89	4.81
27 11 19 00-0072 EA 12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	139.41	4.81
27 11 19 00-0073 EA 12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	155.65	4.81
27 11 19 00-0074 EA 16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	176.76	4.81
27 11 19 00-0075 EA 16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	198.41	4.81
27 11 19 00-0076 EA 24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	251.45	4.81
27 11 19 00-0077 EA 24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	259.00	4.81
<b>27 11 19 00-0078 ST Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0052)</b>		
27 11 19 00-0079 EA 6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	66.54	4.81
27 11 19 00-0080 EA 6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	71.76	4.81
27 11 19 00-0081 EA 8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	79.61	4.81
27 11 19 00-0082 EA 8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	86.57	4.81
27 11 19 00-0083 EA 12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	105.72	4.81
27 11 19 00-0084 EA 12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	116.17	4.81
<b>27 11 19 00-0085 MT-RJ, Fiber Optic Cable Connector Panels (27 11 19 00-0052)</b>		
27 11 19 00-0086 EA 12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel.....	82.89	4.81
27 11 19 00-0087 EA 12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel.....	124.39	4.81
<b>27 11 19 00-0088 Fiber Optic Cable Pretium Edge® Modules (27 11 19 00-0052)</b>		
27 11 19 00-0089 EA 12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	719.33	4.81
27 11 19 00-0090 EA 12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	721.83	4.81
<b>27 11 19 00-0091 Fiber Optic Cable Splice Housings (27 11 19 00-0022)</b>		
<b>27 11 19 00-0092 Wall Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0091)</b>		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0093 EA 12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door.....	281.15	48.13
<b>27 11 19 00-0094 Rack Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0091)</b>		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0095 EA 12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	426.38	36.10
27 11 19 00-0096 EA 22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	432.86	36.10
<b>27 11 19 00-0097 Fiber Optic Cable Splice Trays (27 11 19 00-0091)</b>		
27 11 19 00-0098 EA Fiber Optic Cable Splice Tray.....	80.65	12.03
<b>27 11 19 00-0099 Fiber Optic Cable Jumper Management Panels (27 11 19 00-0022)</b>		
Note: Includes mounting hardware.		
27 11 19 00-0100 EA Rack Mount, Fiber Optic Cable Jumper Management Panel.....	154.85	36.10
<b>27 11 19 00-0101 Miscellaneous Accessories (27 11 19 00-0001)</b>		
27 11 19 00-0102 EA Wall Mount Bracket For 12 Or 24 Port Patch Panel.....	57.60	
27 11 19 00-0103 EA Wall Mount Bracket For 32 Or 48 Port Patch Panel.....	76.95	
27 11 19 00-0104 EA Wall Mount Bracket For 64 Or 72 Port Patch Panel.....	83.86	
27 11 19 00-0105 EA Wall Mount Bracket For 96 Port Patch Panel.....	93.39	
27 11 19 00-0106 EA Lightning Protection Plus Stainless Steel Modules, Siemon.....	377.26	48.13
<b>27 11 19 00-0107 Telephone Components (27 11 19)</b>		
<b>27 11 19 00-0108 Terminal Blocks With Wide Range Of 22-8 AWG (27 11 19 00-0107)</b>		
27 11 19 00-0109 EA Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG.....	27.52	9.65
27 11 19 00-0110 EA Terminal Block, Fuse Holder 600 Volt, 6.3 Amperes With Wire Range 22-8 AWG.....	50.57	9.65
27 11 19 00-0111 EA Terminal Block, Fuse Holder 600 Volt, 10 Amperes With Wire Range 22-8 AWG.....	41.14	9.65
27 11 19 00-0112 EA Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG.....	21.53	9.65
27 11 19 00-0113 EA Flat Terminal Block Connection With Wire Range 22-8 AWG.....	15.29	6.75
27 11 19 00-0114 EA Ground Terminal Block With Wire Range 22-8 AWG.....	28.51	9.65
27 11 19 00-0115 EA Terminal Block, Solderless Box With Lug 600 Volt, 60 Amperes With Wire Range 22-8 AWG.....	21.53	9.65

**27 Communications****27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
27 11 19 00-0116	EA	Terminal Block, Mini Box Lug 300 Volt, 30 Amperes With Wire Range 22-8 AWG.....	15.14		6.75
27 11 19 00-0117	EA	Flat Terminal Block Connection 300 Volt, 20 Amperes With Wire Range 22-8 AWG .....	15.04		6.75
27 11 19 00-0118	EA	Self Lifting Terminal Block, 300 Volt, 40 Amperes, Wire Connection With Wire Range 22-12 AWG .....	15.49		6.75
<b>27 11 19 00-0119</b>		<b>Terminal Block Mounting Channel</b> (27 11 19 00-0107)			
27 11 19 00-0120	EA	Terminal Block Mounting Channel, .5 M Galvanized Steel .....	14.49		4.82
27 11 19 00-0121	EA	Terminal Block Mounting Channel, 1 M Galvanized Steel .....	18.42		4.82
27 11 19 00-0122	EA	Terminal Block Mounting Channel, 2 M Galvanized Steel .....	25.31		4.82
27 11 19 00-0123	EA	Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc.....	18.41		5.79
27 11 19 00-0124	EA	Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc.....	24.93		5.79
27 11 19 00-0125	EA	Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc.....	35.64		5.79
<b>27 11 19 00-0126</b>		<b>Outlet Termination Hardware</b> (27 11 19 00-0107)			
27 11 19 00-0127	EA	Telephone Outlet Blocks.....	26.98		4.82
27 11 19 00-0128	EA	Phone Outlet Block For Floor Box.....	80.19		36.58
		Note: Excludes box.			
27 11 19 00-0129	EA	Fiber Optic "SC" Type Modular Bulkhead .....	68.32		21.66
27 11 19 00-0130	EA	Fiber Optic "ST" Type Modular Bulkhead.....	68.32		21.66
27 11 19 00-0131	EA	Type "F" Coaxial Connector Male .....	40.34		14.44
27 11 19 00-0132	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	101.25		24.07
27 11 19 00-0133	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector .....	101.25		24.07
27 11 19 00-0134	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	121.03		24.07
27 11 19 00-0135	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector .....	121.03		24.07
27 11 19 00-0136	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector.....	110.62		24.07
27 11 19 00-0137	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5 .....	940.51		120.32
27 11 19 00-0138	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V .....	47.70		9.63
		Note: Excludes cable terminations.			
27 11 19 00-0139	EA	5-Pair, Connecting Block.....	2.90		0.96
27 11 19 00-0140	EA	4-Pair, Connecting Block.....	3.12		0.96
27 11 19 00-0141	EA	Plastic Label Holder, Transparent.....	11.81		2.41
27 11 19 00-0142	EA	Marked Label, White, 5-Pair.....	3.25		
27 11 19 00-0143	EA	Marked Label, Blue, 4-Pair.....	3.25		
<b>27 11 19 00-0144</b>		<b>Terminations in Manhole or Junction Box</b> (27 11 19 00-0107)			
27 11 19 00-0145	EA	25 Pair Cable Termination In Manhole Or Junction Box .....	154.02		
27 11 19 00-0146	EA	50 Pair Cable Termination In Manhole Or Junction Box .....	308.04		
27 11 19 00-0147	EA	100 Pair Cable Termination In Manhole Or Junction Box .....	616.07		
27 11 19 00-0148	EA	150 Pair Cable Termination In Manhole Or Junction Box .....	924.10		
27 11 19 00-0149	EA	200 Pair Cable Termination In Manhole Or Junction Box .....	1,081.01		
27 11 19 00-0150	EA	300 Pair Cable Termination In Manhole Or Junction Box .....	1,621.03		
27 11 19 00-0151	EA	400 Pair Cable Termination In Manhole Or Junction Box .....	2,038.80		
27 11 19 00-0152	EA	500 Pair Cable Termination In Manhole Or Junction Box .....	2,548.98		
27 11 19 00-0153	EA	750 Pair Cable Termination In Manhole Or Junction Box .....	3,823.46		
27 11 19 00-0154	EA	1,000 Pair Cable Termination In Manhole Or Junction Box .....	4,636.86		
27 11 19 00-0155	EA	1,200 Pair Cable Termination In Manhole Or Junction Box .....	5,284.77		
<b>27 11 23</b>		<b>Communications Cable Management and Ladder Rack</b> (27 11)			
<b>27 11 23 00-0001</b>		<b>Equipment Supports</b> (27 11 23)			
27 11 23 00-0002	EA	110 Jumper Trough (Commscope 107831133).....	29.32		4.81
27 11 23 00-0003	LF	Velcro CMP .....	2.31		0.96
27 11 23 00-0004	EA	12" x 5'-11" Tubular Runway.....	91.20		23.10
27 11 23 00-0005	EA	12" x 9'-11" Tubular Runway.....	157.27		38.51
27 11 23 00-0006	EA	Shelf Bracket Support For Tubular Runway .....	28.91		7.22
27 11 23 00-0007	EA	Straight Clamp Hardware For Tubular Runway .....	12.62		4.81
27 11 23 00-0008	EA	Corner Clamp Hardware For Tubular Runway.....	13.36		4.81
27 11 23 00-0009	EA	90 Degree Edge Clamp Hardware For Tubular Runway.....	30.31		8.66
27 11 23 00-0010	EA	Wall Angle Assembly Hardware For 12" Wide Tubular Runway .....	63.96		14.44
27 11 23 00-0011	EA	J-Bolt Hardware For Tubular Runway .....	5.92		2.12
27 11 23 00-0012	EA	T Bracket Hardware For Tubular Runway.....	33.16		12.03
<b>27 13</b>		<b>Communications Backbone Cabling</b> (27 10)			
<b>27 13 13</b>		<b>Communications Copper Backbone Cabling</b> (27 13)			
<b>27 13 13 13</b>		<b>Communications Copper Cable Splicing and Terminations</b> (27 13 13)			
<b>27 13 13 13-0001</b>		<b>Building Entrance Terminals</b> (27 13 13 13)			
27 13 13 13-0002	EA	25 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,603.72		211.03
27 13 13 13-0003	EA	50 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	2,184.98		351.72
27 13 13 13-0004	EA	100 Pair Gas Protective Unit Assembly Complete With Gas Protector .....	3,138.12		563.20
<b>27 13 13 13-0005</b>		<b>Modular Plugs For Copper Communications Cable</b> (27 13 13 13)			
27 13 13 13-0006	EA	Modular Plug For Non-Shielded Copper Communications Cable .....	23.24		
		Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.			
		For >5 To 10, Deduct	-2.88		
		For >10, Deduct	-5.76		



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 13 13 13-0007	EA	Modular Plug For Shielded Copper Communications Cable.....	26.49	
		Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.		
		For >5 To 10, Deduct	-3.24	
		For >10, Deduct	-6.48	

**27 13 13 13-0008 Testing And Certification Of Copper Communications Cable** (27 13 13 13)  
 Note: Use for existing systems.

27 13 13 13-0009	EA	Test 1-Pair Of A Copper Communications Cable For Continuity .....	4.81	
		For >25-Pair, Deduct	-1.92	
27 13 13 13-0010	EA	Certify 1-Pair Of A Copper Communications Cable .....	7.22	
		For >25-Pair, Deduct	-2.88	
27 13 13 13-0011	EA	Certify And Document 1-Pair Of A Copper Communications Cable.....	11.55	
		For >25-Pair, Deduct	-4.61	
27 13 13 13-0012	EA	Test 4-Pair Cat 5-7 Telecommunications Cable For Continuity .....	19.25	
		For >25-Pair, Deduct	-7.68	
27 13 13 13-0013	EA	Certify 4-Pair Cat 5-7 Telecommunications Cable .....	28.88	
		For >25-Pair, Deduct	-11.52	
27 13 13 13-0014	EA	Certify And Document 4-Pair Cat 5-7 Telecommunications Cable.....	46.21	
		For >25-Pair, Deduct	-18.43	

**27 13 13 13-0015 Communications Termination Blocks** (27 13 13 13)

27 13 13 13-0016	EA	100-Pair, 110 Block With Legs.....	45.57	12.03
27 13 13 13-0017	EA	300-Pair, 110 Block With Legs.....	76.83	12.03
27 13 13 13-0018	EA	Clear Label Holder For 110 Wiring Block.....	10.24	4.81
27 13 13 13-0019	EA	4-Pair, 110C Connecting Block .....	5.76	2.41
27 13 13 13-0020	EA	5-Pair, 110C Connecting Block .....	5.87	2.41
27 13 13 13-0021	EA	100-Pair, 110 Jack Panel System.....	244.31	14.44
		Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 13 13 13-0022	EA	300-Pair, 110 Jack Panel System.....	576.28	14.44
		Note: Includes twelve 8-pin modular jacks and mounting legs.		

**27 13 23 Communications Optical Fiber Backbone Cabling** (27 13)

**27 13 23 13 Communications Optical Fiber Splicing and Terminations** (27 13 23)

**27 13 23 13-0001 Fiber Optic Cable Connectors** (27 13 23 13)

27 13 23 13-0002	EA	ST Connector For Multimode Fiber Optic Cable .....	27.41	
27 13 23 13-0003	EA	ST Connector For Singlemode Fiber Optic Cable .....	31.46	
27 13 23 13-0004	EA	SC Connector For Multimode Fiber Optic Cable .....	30.41	
27 13 23 13-0005	EA	SC Connector For Singlemode Fiber Optic Cable .....	35.58	
27 13 23 13-0006	EA	LC Connector For Multimode Fiber Optic Cable .....	41.45	
27 13 23 13-0007	EA	LC Connector For Singlemode Fiber Optic Cable .....	42.66	
27 13 23 13-0008	EA	Duplex LC Connector For Multimode Fiber Optic Cable .....	58.83	
27 13 23 13-0009	EA	Duplex LC Connector For Singlemode Fiber Optic Cable.....	61.25	
27 13 23 13-0010	EA	MT-RJ Connector For Multimode Fiber Optic Cable .....	61.34	

**27 13 23 13-0011 Fiber Optic Cable Fan Out Kits** (27 13 23 13)

**27 13 23 13-0012 Buffer Tube Fan Out Kits For Fiber Optic Cable** (27 13 23 13-0011)

27 13 23 13-0013	EA	6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	208.36	
27 13 23 13-0014	EA	12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	211.38	
27 13 23 13-0015	EA	6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	236.92	
27 13 23 13-0016	EA	12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	256.07	

**27 13 23 13-0017 Spider Fan Out Kits For Fiber Optic Cable** (27 13 23 13-0011)

Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.				
27 13 23 13-0018	EA	6-Fiber, Spider Fan Out Kit For Fiber Optic Cable .....	245.61	
27 13 23 13-0019	EA	12-Fiber, Spider Fan Out Kit For Fiber Optic Cable .....	265.90	
27 13 23 13-0020	EA	18-Fiber, Spider Fan Out Kit For Fiber Optic Cable .....	388.68	
27 13 23 13-0021	EA	24-Fiber, Spider Fan Out Kit For Fiber Optic Cable .....	505.23	

**27 13 23 13-0022 Fiber Optic Cable Splice Closures** (27 13 23 13)

Note: Includes mounting hardware. Excludes splicing and splice trays.				
27 13 23 13-0023	EA	Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure .....	701.71	96.26
27 13 23 13-0024	EA	Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure .....	894.22	192.53
27 13 23 13-0025	EA	Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure .....	894.22	192.53
27 13 23 13-0026	EA	Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure .....	1,162.44	96.26
27 13 23 13-0027	EA	Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure .....	1,354.95	192.53
27 13 23 13-0028	EA	Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure .....	1,354.95	192.53
27 13 23 13-0029	EA	Splice Tray For Fiber Optic Cable Splice Closure .....	49.74	12.03
Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.				

**27 13 23 13-0030 Fiber Optic Cable Testing** (27 13 23 13)

Note: Price based on testing one wavelength.

**27 13 23 13-0031 Fiber Optic Cable Testing Using An OTDR** (27 13 23 13-0030)

Note: Testing using an optical time domain reflectometer.

**27 Communications**

**27 10 Structured Cabling**

**27 13 Communications Backbone Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 23 13-0032	EA		Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test ..... <i>For &gt;12 To 48 Strands, Deduct</i> <i>For &gt;48 Strands, Deduct</i>	19.25 -1.44 -1.93	
27 13 23 13-0033	EA		Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test..... <i>For &gt;12 To 48 Strands, Deduct</i> <i>For &gt;48 Strands, Deduct</i>	28.88 -2.17 -2.89	
27 13 23 13-0034	EA		Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation ..... <i>For &gt;12 To 48 Strands, Deduct</i> <i>For &gt;48 Strands, Deduct</i>	48.13 -3.61 -4.81	
27 13 23 13-0035	EA		Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation..... <i>For &gt;12 To 48 Strands, Deduct</i> <i>For &gt;48 Strands, Deduct</i>	72.19 -5.41 -7.22	
<b>27 13 23 13-0036</b>			<b>Fiber Optic Cable Testing Using A Power Meter</b> (27 13 23 13-0030)		
27 13 23 13-0037	EA		Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test ..... <i>For &gt;12 To 48 Strands, Deduct</i> <i>For &gt;48 Strands, Deduct</i>	19.25 -1.44 -1.93	
27 13 23 13-0038	EA		Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test ..... <i>For &gt;12 To 48 Strands, Deduct</i> <i>For &gt;48 Strands, Deduct</i>	28.88 -2.17 -2.89	
<b>27 13 23 13-0039</b>			<b>Fiber Optic Cable Light Source/Continuity Testing</b> (27 13 23 13-0030)		
27 13 23 13-0040	EA		Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test ..... <i>For &gt;12 To 48 Strands, Deduct</i> <i>For &gt;48 Strands, Deduct</i>	19.25 -1.44 -1.93	
<b>27 13 23 13-0041</b>			<b>Fiber Optic Cable Splicing</b> (27 13 23 13)		
27 13 23 13-0042	EA		Single Strand, Fusion Splice Of Fiber Optic Cable.....	28.88	
27 13 23 13-0043	EA		12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable.....	96.26	
<b>27 13 23 13-0044</b>			<b>Other Fiber Optic Cable Splicing</b> (27 13 23 13)		
27 13 23 13-0045	EA		Fiber Optic Finger Splice.....	33.94	18.10
27 13 23 13-0046	EA		Fiber Optic Splice Box - Manholes.....	5,533.22	

**27 15 Communications Horizontal Cabling** (27 10)

**27 15 01 Communications Horizontal Cabling Applications** (27 15)

**27 15 01 13 Video Surveillance Communications Conductors and Cables** (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

**27 15 01 15 Access Control Communications Conductors and Cables** (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

**27 15 01 16 Voice Communications Horizontal Cabling** (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

**27 15 01 17 Intrusion Detection Communications Conductors and Cables** (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables, 27 15 01 19-0000 for Type FPLP Cable.

**27 15 01 19 Fire Alarm Communications Conductors and Cables** (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 01 19-0001			<b>Fire Alarm/Life Safety Cable</b> (27 15 01 19)		
27 15 01 19-0002			<b>Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable</b> (27 15 01 19-0001)		
27 15 01 19-0003			<b>Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit</b> (27 15 01 19-0002)		
27 15 01 19-0004	MLF		1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,569.67	654.96
27 15 01 19-0005	MLF		2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,926.14	678.64
27 15 01 19-0006	MLF		1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,789.85	744.48
27 15 01 19-0007	MLF		2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,357.97	771.05
27 15 01 19-0008	MLF		1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,056.09	833.43
27 15 01 19-0009	MLF		2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,865.17	863.46

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 01 19-0010	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,632.57	952.98
27 15 01 19-0011	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,889.47	986.97
<b>27 15 01 19-0012</b>		<b>Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed <small>(27 15 01 19-0002)</small></b>		
27 15 01 19-0013	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,661.27	1,310.12
27 15 01 19-0014	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,057.21	1,357.28
27 15 01 19-0015	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,030.66	1,489.15
27 15 01 19-0016	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,643.05	1,542.10
27 15 01 19-0017	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,445.13	1,667.24
27 15 01 19-0018	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,304.26	1,726.93
27 15 01 19-0019	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,220.87	1,905.96
27 15 01 19-0020	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	5,534.57	1,974.32
<b>27 15 01 19-0021</b>		<b>Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <small>(27 15 01 19-0001)</small></b>		
27 15 01 19-0022	MLF	2 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	997.30	535.98
27 15 01 19-0023	MLF	4 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,078.19	555.04
27 15 01 19-0024	MLF	2 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,213.29	654.96
27 15 01 19-0025	MLF	3 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,293.65	666.80
27 15 01 19-0026	MLF	4 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,342.45	678.64
27 15 01 19-0027	MLF	6 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,499.76	702.32
27 15 01 19-0028	MLF	8 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,725.33	726.00
27 15 01 19-0029	MLF	2 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,415.30	744.48
27 15 01 19-0030	MLF	4 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,590.92	771.05
27 15 01 19-0031	MLF	2 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,639.13	833.43
27 15 01 19-0032	MLF	4 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,913.33	863.46
27 15 01 19-0033	MLF	2 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,999.69	952.98
27 15 01 19-0034	MLF	4 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,441.72	986.97
<b>27 15 01 19-0035</b>		<b>Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable <small>(27 15 01 19-0001)</small></b>		
<b>27 15 01 19-0036</b>		<b>Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <small>(27 15 01 19-0035)</small></b>		
27 15 01 19-0037	MLF	2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	989.11	535.98
27 15 01 19-0038	MLF	2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,207.98	654.96
27 15 01 19-0039	MLF	3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,345.04	666.80
27 15 01 19-0040	MLF	4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,356.68	678.64
27 15 01 19-0041	MLF	6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,574.02	702.32
27 15 01 19-0042	MLF	2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,407.26	744.48
27 15 01 19-0043	MLF	4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,608.95	771.05
27 15 01 19-0044	MLF	2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,602.97	833.43
27 15 01 19-0045	MLF	4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,057.05	863.46
27 15 01 19-0046	MLF	2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,987.87	952.98
27 15 01 19-0047	MLF	4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,659.90	986.97

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0048			<b>Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed</b> <small>(27 15 01 19-0035)</small>		
27 15 01 19-0049	MLF		2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,882.40	1,072.34
27 15 01 19-0050	MLF		2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,299.58	1,310.12
27 15 01 19-0051	MLF		3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,455.90	1,333.21
27 15 01 19-0052	MLF		4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,487.75	1,357.28
27 15 01 19-0053	MLF		6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,744.55	1,404.45
27 15 01 19-0054	MLF		2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,648.07	1,489.15
27 15 01 19-0055	MLF		4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,894.03	1,542.10
27 15 01 19-0056	MLF		2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,992.01	1,667.24
27 15 01 19-0057	MLF		4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,496.14	1,726.93
27 15 01 19-0058	MLF		2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,576.17	1,905.96
27 15 01 19-0059	MLF		4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,305.00	1,974.32
27 15 01 19-0060			<b>Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable</b> <small>(27 15 01 19-0001)</small>		
27 15 01 19-0061			<b>Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit</b> <small>(27 15 01 19-0060)</small>		
27 15 01 19-0062	MLF		2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,022.80	535.98
27 15 01 19-0063	MLF		2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,232.03	654.96
27 15 01 19-0064	MLF		3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,434.35	666.80
27 15 01 19-0065	MLF		4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,381.30	678.64
27 15 01 19-0066	MLF		6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,599.19	702.32
27 15 01 19-0067	MLF		2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,462.56	744.48
27 15 01 19-0068	MLF		4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,634.52	771.05
27 15 01 19-0069	MLF		2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,722.23	833.43
27 15 01 19-0070	MLF		4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,997.26	863.46
27 15 01 19-0071	MLF		2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,076.12	952.98
27 15 01 19-0072	MLF		4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,478.35	986.97
27 15 01 19-0073			<b>Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed</b> <small>(27 15 01 19-0060)</small>		
27 15 01 19-0074	MLF		2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,916.09	1,072.34
27 15 01 19-0075	MLF		2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,323.63	1,310.12
27 15 01 19-0076	MLF		3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,545.21	1,333.21
27 15 01 19-0077	MLF		4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,512.37	1,357.28
27 15 01 19-0078	MLF		6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,769.72	1,404.45
27 15 01 19-0079	MLF		2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,703.37	1,489.15
27 15 01 19-0080	MLF		4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,919.60	1,542.10
27 15 01 19-0081	MLF		2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,111.27	1,667.24
27 15 01 19-0082	MLF		4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,436.35	1,726.93
27 15 01 19-0083	MLF		2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,664.42	1,905.96
27 15 01 19-0084	MLF		4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,123.45	1,974.32
27 15 01 19-0085			<b>Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable</b> <small>(27 15 01 19-0001)</small>		
27 15 01 19-0086			<b>Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit</b> <small>(27 15 01 19-0085)</small>		

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 01 19-0087	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	986.19	535.98
27 15 01 19-0088	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,238.49	654.96
27 15 01 19-0089	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,330.97	666.80
27 15 01 19-0090	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,408.93	678.64
27 15 01 19-0091	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,579.37	702.32
27 15 01 19-0092	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,427.08	744.48
27 15 01 19-0093	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,659.22	771.05
27 15 01 19-0094	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,665.47	833.43
27 15 01 19-0095	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,080.01	863.46
27 15 01 19-0096	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,995.71	952.98

**27 15 01 19-0097 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed** (27 15 01 19-0095)

27 15 01 19-0098	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,879.48	1,072.34
27 15 01 19-0099	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,330.09	1,310.12
27 15 01 19-0100	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,441.83	1,333.21
27 15 01 19-0101	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,540.00	1,357.28
27 15 01 19-0102	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,749.90	1,404.45
27 15 01 19-0103	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,667.89	1,489.15
27 15 01 19-0104	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,944.30	1,542.10
27 15 01 19-0105	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,054.51	1,667.24
27 15 01 19-0106	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,519.10	1,726.93
27 15 01 19-0107	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,584.01	1,905.96

**27 15 13 Communications Copper Horizontal Cabling** (27 15)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

**27 15 13 00-0001 Solid Conductor Low Voltage Cable** (27 15 13)

**27 15 13 00-0002 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** (27 15 13 00-0001)

**27 15 13 00-0003 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** (27 15 13 00-0002)

27 15 13 00-0004	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,958.56	870.52
		<i>For #10 AWG, Add</i> .....	457.70	
		<i>For Work In Restricted Working Space, Add</i> .....	435.30	
27 15 13 00-0005	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,439.25	901.30
		<i>For #10 AWG, Add</i> .....	609.61	
		<i>For Work In Restricted Working Space, Add</i> .....	450.78	
27 15 13 00-0006	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,859.42	932.95
		<i>For #10 AWG, Add</i> .....	741.53	
		<i>For Work In Restricted Working Space, Add</i> .....	466.34	
27 15 13 00-0007	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,304.56	964.60
		<i>For #10 AWG, Add</i> .....	881.44	
		<i>For Work In Restricted Working Space, Add</i> .....	482.45	
27 15 13 00-0008	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,781.32	1,029.68
		<i>For #10 AWG, Add</i> .....	1,024.67	
		<i>For Work In Restricted Working Space, Add</i> .....	514.99	
27 15 13 00-0009	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,214.85	1,093.87
		<i>For #10 AWG, Add</i> .....	1,153.83	
		<i>For Work In Restricted Working Space, Add</i> .....	547.08	
27 15 13 00-0010	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,557.75	1,224.00
		<i>For #10 AWG, Add</i> .....	1,238.91	
		<i>For Work In Restricted Working Space, Add</i> .....	611.89	
27 15 13 00-0011	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,046.23	1,613.54
		<i>For #10 AWG, Add</i> .....	1,645.72	
		<i>For Work In Restricted Working Space, Add</i> .....	806.62	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0012	MLF		24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,006.81	2,382.94
			<i>For #10 AWG, Add</i>	2,456.08	
			<i>For Work In Restricted Working Space, Add</i>	1,191.17	
<b>27 15 13 00-0013</b>			<b>#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> (27 15 13 00-0002)		
27 15 13 00-0014	MLF		1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,753.83	761.49
			<i>For Work In Restricted Working Space, Add</i>	380.66	
27 15 13 00-0015	MLF		2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,209.50	788.74
			<i>For Work In Restricted Working Space, Add</i>	394.37	
27 15 13 00-0016	MLF		3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,607.12	816.01
			<i>For Work In Restricted Working Space, Add</i>	408.09	
27 15 13 00-0017	MLF		4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,027.76	844.14
			<i>For Work In Restricted Working Space, Add</i>	422.07	
27 15 13 00-0018	MLF		5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,474.60	901.30
			<i>For Work In Restricted Working Space, Add</i>	450.56	
27 15 13 00-0019	MLF		6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,879.85	957.57
			<i>For Work In Restricted Working Space, Add</i>	478.52	
27 15 13 00-0020	MLF		8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,191.00	1,071.01
			<i>For Work In Restricted Working Space, Add</i>	535.50	
27 15 13 00-0021	MLF		12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,560.15	1,411.30
			<i>For Work In Restricted Working Space, Add</i>	705.65	
27 15 13 00-0022	MLF		24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,287.03	2,084.86
			<i>For Work In Restricted Working Space, Add</i>	1,042.52	
<b>27 15 13 00-0023</b>			<b>#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> (27 15 13 00-0002)		
27 15 13 00-0024	MLF		1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,560.49	679.71
			<i>For Work In Restricted Working Space, Add</i>	340.03	
27 15 13 00-0025	MLF		2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,859.16	704.33
			<i>For Work In Restricted Working Space, Add</i>	352.16	
27 15 13 00-0026	MLF		3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,312.28	728.95
			<i>For Work In Restricted Working Space, Add</i>	364.30	
27 15 13 00-0027	MLF		4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,683.86	753.57
			<i>For Work In Restricted Working Space, Add</i>	376.96	
27 15 13 00-0028	MLF		5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,078.15	804.57
			<i>For Work In Restricted Working Space, Add</i>	402.29	
27 15 13 00-0029	MLF		6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,436.47	854.69
			<i>For Work In Restricted Working Space, Add</i>	427.35	
27 15 13 00-0030	MLF		7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,574.25	905.70
			<i>For Work In Restricted Working Space, Add</i>	452.67	
27 15 13 00-0031	MLF		8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,712.91	956.70
			<i>For Work In Restricted Working Space, Add</i>	478.26	
27 15 13 00-0032	MLF		9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,167.15	1,017.36
			<i>For Work In Restricted Working Space, Add</i>	508.60	
27 15 13 00-0033	MLF		12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,925.19	1,260.06
			<i>For Work In Restricted Working Space, Add</i>	630.07	
27 15 13 00-0034	MLF		24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,340.09	1,861.51
			<i>For Work In Restricted Working Space, Add</i>	930.80	
<b>27 15 13 00-0035</b>			<b>#18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> (27 15 13 00-0002)		
27 15 13 00-0036	MLF		1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,298.69	598.82
			<i>For Work In Restricted Working Space, Add</i>	299.14	
27 15 13 00-0037	MLF		2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,589.64	619.91
			<i>For Work In Restricted Working Space, Add</i>	309.96	
27 15 13 00-0038	MLF		3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,844.51	641.02
			<i>For Work In Restricted Working Space, Add</i>	320.78	
27 15 13 00-0039	MLF		4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,113.12	663.00
			<i>For Work In Restricted Working Space, Add</i>	331.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0040	MLF		5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	2,406.65 354.01	707.85
27 15 13 00-0041	MLF		6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	2,674.53 376.17	751.81
27 15 13 00-0042	MLF		8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	2,898.52 420.75	841.50
27 15 13 00-0043	MLF		12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	3,843.00 554.50	1,108.82
27 15 13 00-0044	MLF		24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	5,722.28 819.08	1,638.17
<b>27 15 13 00-0045 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)</b>					
27 15 13 00-0046	MLF		1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	1,138.31 271.97	544.30
27 15 13 00-0047	MLF		2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	1,367.99 281.73	563.64
27 15 13 00-0048	MLF		3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	1,567.42 291.50	583.43
27 15 13 00-0049	MLF		4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	1,777.41 301.52	603.21
27 15 13 00-0050	MLF		5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	2,014.96 321.70	643.66
27 15 13 00-0051	MLF		6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	2,231.32 341.88	684.11
27 15 13 00-0052	MLF		8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	2,441.39 382.50	765.01
27 15 13 00-0053	MLF		12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	3,213.24 504.11	1,008.58
27 15 13 00-0054	MLF		24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	4,781.61 744.69	1,489.56
27 15 13 00-0055	MLF		25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	5,100.01 762.37	1,524.74
27 15 13 00-0056	MLF		36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	6,094.32 887.67	1,775.34
27 15 13 00-0057	MLF		40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	6,540.56 950.18	1,900.20
27 15 13 00-0058	MLF		50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	7,777.95 1,187.33	2,375.04
27 15 13 00-0059	MLF		100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	10,616.70 1,563.24	3,126.85
<b>27 15 13 00-0060 #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)</b>					
27 15 13 00-0061	MLF		1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	937.24 244.80	489.78
27 15 13 00-0062	MLF		2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	1,010.91 253.51	507.36
27 15 13 00-0063	MLF		3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	1,102.49 262.48	524.95
27 15 13 00-0064	MLF		4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	1,202.55 271.44	542.54
27 15 13 00-0065	MLF		5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	1,347.45 289.65	579.47
27 15 13 00-0066	MLF		6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... <i>For Work In Restricted Working Space, Add</i> .....	1,494.71 307.06	613.76
<b>27 15 13 00-0067 Triad (27 15 13 00-0002)</b>					
27 15 13 00-0068	MLF		1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit.....	1,830.13	728.95
27 15 13 00-0069	MLF		4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	2,420.89	1,008.58

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0070	MLF		8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	3,729.49	1,489.56
27 15 13 00-0071	MLF		12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	4,595.83	1,775.34
27 15 13 00-0072	MLF		24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	7,429.02	2,750.50
27 15 13 00-0073	MLF		36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	8,523.64	3,126.85
<b>27 15 13 00-0074</b>			<b>Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And</b>		
			<b>Communications Cable, Installed Exposed</b> (27 15 13 00-0001)		
<b>27 15 13 00-0075</b>			<b>#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And</b>		
			<b>Communications Cable, Installed Exposed</b> (27 15 13 00-0074)		
27 15 13 00-0076	MLF		1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	3,409.56	1,741.05
			Exposed.....		
			For #10 AWG, Add	747.90	
			For Work In Restricted Working Space, Add	870.60	
27 15 13 00-0077	MLF		2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	3,941.86	1,802.60
			Exposed.....		
			For #10 AWG, Add	910.14	
			For Work In Restricted Working Space, Add	901.57	
27 15 13 00-0078	MLF		3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	4,413.90	1,865.91
			Exposed.....		
			For #10 AWG, Add	1,052.42	
			For Work In Restricted Working Space, Add	932.69	
27 15 13 00-0079	MLF		4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	4,912.75	1,929.22
			Exposed.....		
			For #10 AWG, Add	1,203.08	
			For Work In Restricted Working Space, Add	964.91	
27 15 13 00-0080	MLF		5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	5,497.95	2,059.36
			Exposed.....		
			For #10 AWG, Add	1,368.00	
			For Work In Restricted Working Space, Add	1,029.98	
27 15 13 00-0081	MLF		6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	6,038.45	2,187.74
			Exposed.....		
			For #10 AWG, Add	1,518.55	
			For Work In Restricted Working Space, Add	1,094.16	
27 15 13 00-0082	MLF		8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	6,597.38	2,448.02
			Exposed.....		
			For #10 AWG, Add	1,646.83	
			For Work In Restricted Working Space, Add	1,223.78	
27 15 13 00-0083	MLF		12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	8,734.95	3,227.09
			Exposed.....		
			For #10 AWG, Add	2,183.47	
			For Work In Restricted Working Space, Add	1,613.23	
27 15 13 00-0084	MLF		24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	12,977.36	4,765.89
			Exposed.....		
			For #10 AWG, Add	3,250.19	
			For Work In Restricted Working Space, Add	2,382.33	
<b>27 15 13 00-0085</b>			<b>#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And</b>		
			<b>Communications Cable, Installed Exposed</b> (27 15 13 00-0074)		
27 15 13 00-0086	MLF		1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	3,022.68	1,522.97
			Exposed.....		
			For Work In Restricted Working Space, Add	761.31	
27 15 13 00-0087	MLF		2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	3,524.09	1,577.50
			Exposed.....		
			For Work In Restricted Working Space, Add	788.75	
27 15 13 00-0088	MLF		3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	3,967.42	1,632.01
			Exposed.....		
			For Work In Restricted Working Space, Add	816.18	
27 15 13 00-0089	MLF		4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	4,434.66	1,688.29
			Exposed.....		
			For Work In Restricted Working Space, Add	844.14	
27 15 13 00-0090	MLF		5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	4,976.48	1,802.60
			Exposed.....		
			For Work In Restricted Working Space, Add	901.13	
27 15 13 00-0091	MLF		6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	5,474.92	1,915.14
			Exposed.....		
			For Work In Restricted Working Space, Add	957.05	
27 15 13 00-0092	MLF		8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	5,976.01	2,142.01
			Exposed.....		
			For Work In Restricted Working Space, Add	1,071.01	
27 15 13 00-0093	MLF		12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	7,912.32	2,822.61
			Exposed.....		
			For Work In Restricted Working Space, Add	1,411.30	
27 15 13 00-0094	MLF		24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	11,762.09	4,169.72
			Exposed.....		
			For Work In Restricted Working Space, Add	2,085.03	
<b>27 15 13 00-0095</b>			<b>#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And</b>		
			<b>Communications Cable, Installed Exposed</b> (27 15 13 00-0074)		
27 15 13 00-0096	MLF		1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	2,693.94	1,359.42
			Exposed.....		
			For Work In Restricted Working Space, Add	680.06	
27 15 13 00-0097	MLF		2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	3,033.05	1,408.67
			Exposed.....		
			For Work In Restricted Working Space, Add	704.33	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0098	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,526.62	1,457.90	
		<i>For Work In Restricted Working Space, Add</i>	728.60		
27 15 13 00-0099	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,940.41	1,507.15	
		<i>For Work In Restricted Working Space, Add</i>	753.93		
27 15 13 00-0100	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,419.11	1,609.15	
		<i>For Work In Restricted Working Space, Add</i>	804.58		
27 15 13 00-0101	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,860.95	1,709.39	
		<i>For Work In Restricted Working Space, Add</i>	854.69		
27 15 13 00-0102	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,083.15	1,811.39	
		<i>For Work In Restricted Working Space, Add</i>	905.34		
27 15 13 00-0103	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,307.11	1,913.39	
		<i>For Work In Restricted Working Space, Add</i>	956.52		
27 15 13 00-0104	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,862.47	2,034.74	
		<i>For Work In Restricted Working Space, Add</i>	1,017.19		
27 15 13 00-0105	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,025.44	2,520.12	
		<i>For Work In Restricted Working Space, Add</i>	1,260.15		
27 15 13 00-0106	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,442.76	3,723.03	
		<i>For Work In Restricted Working Space, Add</i>	1,861.60		
<b>27 15 13 00-0107 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)</b>					
27 15 13 00-0108	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,295.84	1,197.63	
		<i>For Work In Restricted Working Space, Add</i>	598.29		
27 15 13 00-0109	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,622.84	1,239.84	
		<i>For Work In Restricted Working Space, Add</i>	619.92		
27 15 13 00-0110	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,913.76	1,282.04	
		<i>For Work In Restricted Working Space, Add</i>	641.55		
27 15 13 00-0111	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,218.42	1,326.01	
		<i>For Work In Restricted Working Space, Add</i>	663.18		
27 15 13 00-0112	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,586.70	1,415.70	
		<i>For Work In Restricted Working Space, Add</i>	708.03		
27 15 13 00-0113	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,928.44	1,503.63	
		<i>For Work In Restricted Working Space, Add</i>	752.34		
27 15 13 00-0114	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,301.03	1,683.01	
		<i>For Work In Restricted Working Space, Add</i>	841.51		
27 15 13 00-0115	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,691.32	2,217.63	
		<i>For Work In Restricted Working Space, Add</i>	1,108.99		
27 15 13 00-0116	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,452.55	3,276.33	
		<i>For Work In Restricted Working Space, Add</i>	1,638.16		
<b>27 15 13 00-0117 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)</b>					
27 15 13 00-0118	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,044.88	1,088.59	
		<i>For Work In Restricted Working Space, Add</i>	543.95		
27 15 13 00-0119	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,307.11	1,127.29	
		<i>For Work In Restricted Working Space, Add</i>	563.47		
27 15 13 00-0120	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,539.06	1,166.85	
		<i>For Work In Restricted Working Space, Add</i>	582.99		
27 15 13 00-0121	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,782.48	1,206.42	
		<i>For Work In Restricted Working Space, Add</i>	603.04		
27 15 13 00-0122	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,087.28	1,287.32	
		<i>For Work In Restricted Working Space, Add</i>	643.40		
27 15 13 00-0123	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,370.92	1,368.22	
		<i>For Work In Restricted Working Space, Add</i>	683.76		
27 15 13 00-0124	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,716.40	1,530.01	
		<i>For Work In Restricted Working Space, Add</i>	765.01		
27 15 13 00-0125	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,893.62	2,017.15	
		<i>For Work In Restricted Working Space, Add</i>	1,008.23		
27 15 13 00-0126	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,263.91	2,979.12	
		<i>For Work In Restricted Working Space, Add</i>	1,489.38		

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0127	MLF		25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,641.21	3,049.46
			<i>For Work In Restricted Working Space, Add</i>	1,524.73	
27 15 13 00-0128	MLF		36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,053.24	3,550.68
			<i>For Work In Restricted Working Space, Add</i>	1,775.35	
27 15 13 00-0129	MLF		40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,707.85	3,800.40
			<i>For Work In Restricted Working Space, Add</i>	1,900.37	
27 15 13 00-0130	MLF		50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	11,735.74	4,750.06
			<i>For Work In Restricted Working Space, Add</i>	2,374.67	
27 15 13 00-0131	MLF		100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	15,827.48	6,253.69
			<i>For Work In Restricted Working Space, Add</i>	3,126.47	
<b>27 15 13 00-0132</b>			<b>#22 AWG, Shielded, Low Voltage Cable, Installed Exposed (27 15 13 00-0074)</b>		
27 15 13 00-0133	MLF		1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,753.24	979.55
			<i>For Work In Restricted Working Space, Add</i>	489.60	
27 15 13 00-0134	MLF		2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,855.94	1,014.73
			<i>For Work In Restricted Working Space, Add</i>	507.02	
27 15 13 00-0135	MLF		3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,977.41	1,049.91
			<i>For Work In Restricted Working Space, Add</i>	524.95	
27 15 13 00-0136	MLF		4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,107.37	1,085.08
			<i>For Work In Restricted Working Space, Add</i>	542.89	
27 15 13 00-0137	MLF		5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,312.94	1,158.94
			<i>For Work In Restricted Working Space, Add</i>	579.29	
27 15 13 00-0138	MLF		6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,518.24	1,227.53
			<i>For Work In Restricted Working Space, Add</i>	614.12	
<b>27 15 13 00-0139</b>			<b>Triad, Installed Exposed (27 15 13 00-0074)</b>		
27 15 13 00-0140	MLF		1 Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	1,830.13	728.95
27 15 13 00-0141	MLF		4 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	2,420.89	1,008.58
27 15 13 00-0142	MLF		8 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	3,729.49	1,489.56
27 15 13 00-0143	MLF		12 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	4,595.83	1,775.34
27 15 13 00-0144	MLF		24 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	7,429.02	2,750.50
27 15 13 00-0145	MLF		36 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	8,523.64	3,126.85
<b>27 15 13 00-0146</b>			<b>Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0001)</b>		
<b>27 15 13 00-0147</b>			<b>#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)</b>		
27 15 13 00-0148	MLF		1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,518.80	761.49
			<i>For Work In Restricted Working Space, Add</i>	380.66	
27 15 13 00-0149	MLF		2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,775.82	788.74
			<i>For Work In Restricted Working Space, Add</i>	394.37	
27 15 13 00-0150	MLF		3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,002.91	816.01
			<i>For Work In Restricted Working Space, Add</i>	408.09	
27 15 13 00-0151	MLF		4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,242.30	844.14
			<i>For Work In Restricted Working Space, Add</i>	422.07	
27 15 13 00-0152	MLF		5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,516.85	900.42
			<i>For Work In Restricted Working Space, Add</i>	450.03	
27 15 13 00-0153	MLF		6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,771.77	956.70
			<i>For Work In Restricted Working Space, Add</i>	478.26	
27 15 13 00-0154	MLF		8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,025.05	1,071.01
			<i>For Work In Restricted Working Space, Add</i>	535.50	
27 15 13 00-0155	MLF		12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,005.55	1,411.30
			<i>For Work In Restricted Working Space, Add</i>	705.65	
27 15 13 00-0156	MLF		24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,955.14	2,084.86
			<i>For Work In Restricted Working Space, Add</i>	1,042.52	
<b>27 15 13 00-0157</b>			<b>#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)</b>		
27 15 13 00-0158	MLF		1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,353.54	679.71
			<i>For Work In Restricted Working Space, Add</i>	340.03	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0159	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,580.05 352.16	704.33
27 15 13 00-0160	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,780.21 364.30	728.95
27 15 13 00-0161	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,992.18 376.96	753.57
27 15 13 00-0162	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,235.42 402.02	803.69
27 15 13 00-0163	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,461.46 427.35	854.69
27 15 13 00-0164	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,573.39 452.67	905.70
27 15 13 00-0165	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,756.77 478.26	956.70
27 15 13 00-0166	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	3,051.56 508.57	1,017.36
27 15 13 00-0167	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	3,556.23 630.08	1,260.06
27 15 13 00-0168	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	5,287.05 930.93	1,861.51
<b>27 15 13 00-0169</b>		<b>#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0146)</small>		
27 15 13 00-0170	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,180.84 299.14	597.93
27 15 13 00-0171	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,362.58 309.96	619.91
27 15 13 00-0172	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,474.66 320.78	641.90
27 15 13 00-0173	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,624.73 331.59	663.00
27 15 13 00-0174	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,800.82 354.01	707.85
27 15 13 00-0175	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,976.03 376.17	752.70
27 15 13 00-0176	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,390.70 420.75	841.50
27 15 13 00-0177	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	3,101.80 554.50	1,108.82
27 15 13 00-0178	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	4,099.34 819.08	1,638.17
<b>27 15 13 00-0179</b>		<b>#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0146)</small>		
27 15 13 00-0180	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,036.25 271.97	544.30
27 15 13 00-0181	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,160.15 281.73	563.64
27 15 13 00-0182	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,376.31 320.78	641.90
27 15 13 00-0183	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,522.72 337.40	674.79
27 15 13 00-0184	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,665.87 354.01	707.85
27 15 13 00-0185	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,816.57 376.17	752.70
27 15 13 00-0186	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,997.51 418.91	837.64
27 15 13 00-0187	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,470.41 504.11	1,008.58

## 27 Communications

## 27 10 Structured Cabling

## 27 15 Communications Horizontal Cabling

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0188	MLF		24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,667.36	1,489.56
			<i>For Work In Restricted Working Space, Add</i>	744.69	
27 15 13 00-0189	MLF		25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,860.02	1,524.74
			<i>For Work In Restricted Working Space, Add</i>	762.37	
27 15 13 00-0190	MLF		36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,574.89	1,775.34
			<i>For Work In Restricted Working Space, Add</i>	887.67	
27 15 13 00-0191	MLF		40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,905.86	1,900.20
			<i>For Work In Restricted Working Space, Add</i>	950.18	
27 15 13 00-0192	MLF		50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,926.68	2,375.04
			<i>For Work In Restricted Working Space, Add</i>	1,187.33	
27 15 13 00-0193	MLF		100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,996.99	3,126.85
			<i>For Work In Restricted Working Space, Add</i>	1,563.24	
27 15 13 00-0194			<b>#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0146)</small>		
27 15 13 00-0195	MLF		1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	901.98	489.78
			<i>For Work In Restricted Working Space, Add</i>	244.80	
27 15 13 00-0196	MLF		2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	962.66	507.36
			<i>For Work In Restricted Working Space, Add</i>	253.51	
27 15 13 00-0197	MLF		3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,042.19	524.95
			<i>For Work In Restricted Working Space, Add</i>	262.48	
27 15 13 00-0198	MLF		4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,129.06	542.54
			<i>For Work In Restricted Working Space, Add</i>	271.44	
27 15 13 00-0199	MLF		5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,243.04	579.47
			<i>For Work In Restricted Working Space, Add</i>	289.65	
27 15 13 00-0200	MLF		6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,365.91	613.76
			<i>For Work In Restricted Working Space, Add</i>	307.06	
27 15 13 00-0201			<b>Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0001)</small>		
27 15 13 00-0202			<b>#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0201)</small>		
27 15 13 00-0203	MLF		1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,787.66	1,522.97
			<i>For Work In Restricted Working Space, Add</i>	761.31	
27 15 13 00-0204	MLF		2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,090.41	1,577.50
			<i>For Work In Restricted Working Space, Add</i>	788.75	
27 15 13 00-0205	MLF		3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,363.21	1,632.01
			<i>For Work In Restricted Working Space, Add</i>	816.18	
27 15 13 00-0206	MLF		4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,649.20	1,688.29
			<i>For Work In Restricted Working Space, Add</i>	844.14	
27 15 13 00-0207	MLF		5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,016.97	1,800.84
			<i>For Work In Restricted Working Space, Add</i>	900.07	
27 15 13 00-0208	MLF		6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,365.97	1,913.39
			<i>For Work In Restricted Working Space, Add</i>	956.52	
27 15 13 00-0209	MLF		8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,810.06	2,142.01
			<i>For Work In Restricted Working Space, Add</i>	1,071.01	
27 15 13 00-0210	MLF		12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,357.72	2,822.61
			<i>For Work In Restricted Working Space, Add</i>	1,411.30	
27 15 13 00-0211	MLF		24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,430.20	4,169.72
			<i>For Work In Restricted Working Space, Add</i>	2,085.03	
27 15 13 00-0212			<b>#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0201)</small>		
27 15 13 00-0213	MLF		1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,486.99	1,359.42
			<i>For Work In Restricted Working Space, Add</i>	680.06	
27 15 13 00-0214	MLF		2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,753.94	1,408.67
			<i>For Work In Restricted Working Space, Add</i>	704.33	
27 15 13 00-0215	MLF		3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,994.55	1,457.90
			<i>For Work In Restricted Working Space, Add</i>	728.60	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0216	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,248.73	1,507.15
		<i>For Work In Restricted Working Space, Add</i>	753.93	
27 15 13 00-0217	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,575.49	1,607.39
		<i>For Work In Restricted Working Space, Add</i>	804.05	
27 15 13 00-0218	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,885.94	1,709.39
		<i>For Work In Restricted Working Space, Add</i>	854.69	
27 15 13 00-0219	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,082.29	1,811.39
		<i>For Work In Restricted Working Space, Add</i>	905.34	
27 15 13 00-0220	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,350.97	1,913.39
		<i>For Work In Restricted Working Space, Add</i>	956.52	
27 15 13 00-0221	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,746.79	2,034.74
		<i>For Work In Restricted Working Space, Add</i>	1,017.14	
27 15 13 00-0222	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,656.47	2,520.12
		<i>For Work In Restricted Working Space, Add</i>	1,260.15	
27 15 13 00-0223	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,390.15	3,723.03
		<i>For Work In Restricted Working Space, Add</i>	1,861.86	
<b>27 15 13 00-0224 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)</b>				
27 15 13 00-0225	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,177.99	1,195.86
		<i>For Work In Restricted Working Space, Add</i>	598.29	
27 15 13 00-0226	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,395.78	1,239.84
		<i>For Work In Restricted Working Space, Add</i>	619.92	
27 15 13 00-0227	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,543.91	1,283.81
		<i>For Work In Restricted Working Space, Add</i>	641.55	
27 15 13 00-0228	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,730.03	1,326.01
		<i>For Work In Restricted Working Space, Add</i>	663.18	
27 15 13 00-0229	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,980.87	1,415.70
		<i>For Work In Restricted Working Space, Add</i>	708.03	
27 15 13 00-0230	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,229.94	1,505.38
		<i>For Work In Restricted Working Space, Add</i>	752.34	
27 15 13 00-0231	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,793.21	1,683.01
		<i>For Work In Restricted Working Space, Add</i>	841.51	
27 15 13 00-0232	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,950.12	2,217.63
		<i>For Work In Restricted Working Space, Add</i>	1,108.99	
27 15 13 00-0233	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,829.61	3,276.33
		<i>For Work In Restricted Working Space, Add</i>	1,638.16	
<b>27 15 13 00-0234 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)</b>				
27 15 13 00-0235	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,942.82	1,088.59
		<i>For Work In Restricted Working Space, Add</i>	543.95	
27 15 13 00-0236	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,099.27	1,127.29
		<i>For Work In Restricted Working Space, Add</i>	563.47	
27 15 13 00-0237	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,445.56	1,283.81
		<i>For Work In Restricted Working Space, Add</i>	641.55	
27 15 13 00-0238	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,647.36	1,349.58
		<i>For Work In Restricted Working Space, Add</i>	674.79	
27 15 13 00-0239	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,845.92	1,415.70
		<i>For Work In Restricted Working Space, Add</i>	708.03	
27 15 13 00-0240	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,070.48	1,505.38
		<i>For Work In Restricted Working Space, Add</i>	752.34	
27 15 13 00-0241	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,393.85	1,675.27
		<i>For Work In Restricted Working Space, Add</i>	837.81	
27 15 13 00-0242	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,150.79	2,017.15
		<i>For Work In Restricted Working Space, Add</i>	1,008.23	
27 15 13 00-0243	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,149.66	2,979.12
		<i>For Work In Restricted Working Space, Add</i>	1,489.38	
27 15 13 00-0244	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,401.22	3,049.46
		<i>For Work In Restricted Working Space, Add</i>	1,524.73	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0245	MLF		36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,533.81	3,550.68
			<i>For Work In Restricted Working Space, Add</i> .....	1,775.35	
27 15 13 00-0246	MLF		40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,073.15	3,800.40
			<i>For Work In Restricted Working Space, Add</i> .....	1,900.37	
27 15 13 00-0247	MLF		50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,884.47	4,750.06
			<i>For Work In Restricted Working Space, Add</i> .....	2,374.67	
27 15 13 00-0248	MLF		100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	13,207.77	6,253.69
			<i>For Work In Restricted Working Space, Add</i> .....	3,126.47	
<b>27 15 13 00-0249</b>			<b>#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0201)</small>		
27 15 13 00-0250	MLF		1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,717.98	979.55
			<i>For Work In Restricted Working Space, Add</i> .....	489.60	
27 15 13 00-0251	MLF		2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,807.69	1,014.73
			<i>For Work In Restricted Working Space, Add</i> .....	507.02	
27 15 13 00-0252	MLF		3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,917.11	1,049.91
			<i>For Work In Restricted Working Space, Add</i> .....	524.95	
27 15 13 00-0253	MLF		4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,033.88	1,085.08
			<i>For Work In Restricted Working Space, Add</i> .....	542.89	
27 15 13 00-0254	MLF		5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,208.53	1,158.94
			<i>For Work In Restricted Working Space, Add</i> .....	579.29	
27 15 13 00-0255	MLF		6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,389.44	1,227.53
			<i>For Work In Restricted Working Space, Add</i> .....	614.12	
<b>27 15 13 00-0256</b>			<b>Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench</b> <small>(27 15 13 00-0001)</small>		
			Note: Excludes excavation.		
27 15 13 00-0257	MLF		1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench.....	1,691.67	
27 15 13 00-0258	MLF		2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench.....	2,143.97	
27 15 13 00-0259	MLF		3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench.....	2,539.31	
27 15 13 00-0260	MLF		4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench.....	2,958.35	
27 15 13 00-0261	MLF		5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench.....	3,400.04	
27 15 13 00-0262	MLF		6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench.....	3,801.22	
<b>27 15 13 00-0263</b>			<b>Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)</b> <small>(27 15 13 00-0001)</small>		
27 15 13 00-0264	MLF		1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial).....	1,772.79	486.40
27 15 13 00-0265	MLF		2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial).....	2,274.74	521.11
27 15 13 00-0266	MLF		3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial).....	2,991.05	658.78
27 15 13 00-0267	MLF		4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial).....	3,638.32	761.96
27 15 13 00-0268	MLF		5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial).....	5,993.09	868.47
27 15 13 00-0269	MLF		6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial).....	7,215.60	1,109.54
<b>27 15 13 00-0270</b>			<b>Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0001)</small>		
27 15 13 00-0271	MLF		1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,316.41	679.71
27 15 13 00-0272	MLF		2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,605.45	704.33
27 15 13 00-0273	MLF		3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,808.17	728.95
27 15 13 00-0274	MLF		4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,915.12	753.57
27 15 13 00-0275	MLF		5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,312.00	803.69
27 15 13 00-0276	MLF		6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,503.43	854.69
27 15 13 00-0277	MLF		8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,147.86	956.70
27 15 13 00-0278	MLF		12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,901.20	1,260.06
27 15 13 00-0279	MLF		24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,929.89	1,861.51
27 15 13 00-0280	MLF		1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,135.86	597.93
27 15 13 00-0281	MLF		2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,373.02	619.91
27 15 13 00-0282	MLF		3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,568.76	641.90
27 15 13 00-0283	MLF		4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,664.36	663.00

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0284	MLF		5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,003.19	707.85
27 15 13 00-0285	MLF		6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,255.08	752.70
27 15 13 00-0286	MLF		8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,548.26	841.50
27 15 13 00-0287	MLF		12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,289.84	1,108.82
27 15 13 00-0288	MLF		24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	5,273.20	1,638.17
27 15 13 00-0289	MLF		1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,001.53	544.30
27 15 13 00-0290	MLF		2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,151.43	563.64
27 15 13 00-0291	MLF		3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,296.67	582.98
27 15 13 00-0292	MLF		4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,387.42	603.21
27 15 13 00-0293	MLF		5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,512.49	643.66
27 15 13 00-0294	MLF		6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,653.91	684.11
27 15 13 00-0295	MLF		8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,852.45	765.01
27 15 13 00-0296	MLF		12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,560.78	1,008.58
27 15 13 00-0297	MLF		24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,896.55	1,489.56
27 15 13 00-0298	MLF		25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	4,114.96	1,524.74
27 15 13 00-0299	MLF		36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	4,861.93	1,775.34
27 15 13 00-0300	MLF		40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	5,242.12	1,900.20
27 15 13 00-0301	MLF		50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	6,307.48	2,375.04
27 15 13 00-0302	MLF		100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	8,535.85	3,126.85
27 15 13 00-0303	MLF		250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	16,540.06	5,759.52
27 15 13 00-0304	MLF		500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	25,095.59	7,621.91
27 15 13 00-0305	MLF		750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	33,675.32	9,604.77
27 15 13 00-0306	MLF		1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	47,467.53	13,174.79
27 15 13 00-0307	MLF		1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	967.32	544.30
27 15 13 00-0308	MLF		2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,074.92	563.64
27 15 13 00-0309	MLF		3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,179.56	582.98
27 15 13 00-0310	MLF		4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,249.64	603.21
27 15 13 00-0311	MLF		5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,354.05	643.66
27 15 13 00-0312	MLF		6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,468.59	684.11
27 15 13 00-0313	MLF		8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,644.38	765.01
27 15 13 00-0314	MLF		12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,243.55	1,008.58
27 15 13 00-0315	MLF		24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,386.96	1,489.56
27 15 13 00-0316	MLF		25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,547.91	1,524.74
27 15 13 00-0317	MLF		36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	4,192.54	1,775.34
27 15 13 00-0318	MLF		40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	4,494.50	1,900.20
27 15 13 00-0319	MLF		50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	5,460.82	2,375.04
27 15 13 00-0320	MLF		100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	7,337.76	3,126.85
27 15 13 00-0321	MLF		250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	14,004.59	5,759.52
27 15 13 00-0322	MLF		500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	20,619.18	7,621.91
27 15 13 00-0323	MLF		750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	27,294.67	9,604.77
27 15 13 00-0324	MLF		1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	38,255.91	13,174.79
27 15 13 00-0325			<b>Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0001)</small>		
27 15 13 00-0326	MLF		1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,399.13	679.71

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0327	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,650.31	704.33	
27 15 13 00-0328	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,800.71	728.95	
27 15 13 00-0329	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,006.96	753.57	
27 15 13 00-0330	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,238.85	803.69	
27 15 13 00-0331	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,468.98	854.69	
27 15 13 00-0332	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,023.49	956.70	
27 15 13 00-0333	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,914.78	1,260.06	
27 15 13 00-0334	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,851.72	1,861.51	
27 15 13 00-0335	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,222.99	597.93	
27 15 13 00-0336	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,438.15	619.91	
27 15 13 00-0337	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,567.67	641.90	
27 15 13 00-0338	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,743.91	663.00	
27 15 13 00-0339	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,943.25	707.85	
27 15 13 00-0340	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,141.72	752.70	
27 15 13 00-0341	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,617.41	841.50	
27 15 13 00-0342	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,390.31	1,108.82	
27 15 13 00-0343	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,066.60	1,638.17	
27 15 13 00-0344	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,066.00	544.30	
27 15 13 00-0345	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,250.61	563.64	
27 15 13 00-0346	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,376.61	582.98	
27 15 13 00-0347	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,614.13	603.21	
27 15 13 00-0348	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,809.39	643.66	
27 15 13 00-0349	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,206.79	684.11	
27 15 13 00-0350	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,466.08	765.01	
27 15 13 00-0351	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,091.33	1,008.58	
27 15 13 00-0352	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,681.21	1,489.56	
27 15 13 00-0353	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,986.82	1,524.74	
27 15 13 00-0354	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,955.85	1,775.34	
27 15 13 00-0355	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,391.59	1,900.20	
27 15 13 00-0356	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,609.21	2,375.04	
27 15 13 00-0357	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	10,377.94	3,126.85	
27 15 13 00-0358	MLF	250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	20,438.86	5,759.52	
27 15 13 00-0359	MLF	500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	31,978.84	7,621.91	
27 15 13 00-0360	MLF	750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	43,485.57	9,604.77	
27 15 13 00-0361	MLF	1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	61,630.75	13,173.90	
27 15 13 00-0362	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,008.55	544.30	
27 15 13 00-0363	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,138.37	563.64	
27 15 13 00-0364	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,230.71	582.98	
27 15 13 00-0365	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,394.66	603.21	
27 15 13 00-0366	MLF	5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit	1,543.97	643.66	
27 15 13 00-0367	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,822.26	684.11	
27 15 13 00-0368	MLF	8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,036.92	765.01	
27 15 13 00-0369	MLF	12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,582.94	1,008.58	
27 15 13 00-0370	MLF	24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,888.89	1,489.56	
27 15 13 00-0371	MLF	25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,105.62	1,524.74	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0372	MLF		36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,875.97	1,775.34
27 15 13 00-0373	MLF		40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,229.80	1,900.20
27 15 13 00-0374	MLF		50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,293.51	2,375.04
27 15 13 00-0375	MLF		100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,516.11	3,126.85
27 15 13 00-0376	MLF		250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	16,498.35	5,759.52
27 15 13 00-0377	MLF		500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	25,022.17	7,621.91
27 15 13 00-0378	MLF		750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	33,570.28	9,604.77
27 15 13 00-0379	MLF		1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	47,316.51	13,174.79
27 15 13 00-0380			<b>Copper Telecommunications Cable</b> (27 15 13)		
27 15 13 00-0381			<b>Indoor Telecommunications Cable</b> (27 15 13 00-0380) Note: Shielded twisted pair cables (STP) include a metallic foil wrap. Un-shielded twisted pair cables (UTP) exclude any shielding.		
27 15 13 00-0382			<b>Category 3, Indoor Telecommunications Cable</b> (27 15 13 00-0381) Note: Un-shielded twisted pair cables (UTP).		
27 15 13 00-0383			<b>Category 3, Indoor Telecommunications Riser Cable</b> (27 15 13 00-0382)		
27 15 13 00-0384			<b>24 AWG, Category 3, Indoor Telecommunications Riser Cable</b> (27 15 13 00-0383)		
27 15 13 00-0385			<b>24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit</b> (27 15 13 00-0384)		
27 15 13 00-0386	MLF		2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	748.14	404.30
27 15 13 00-0387	MLF		3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	779.86	404.30
27 15 13 00-0388	MLF		4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	791.06	404.30
27 15 13 00-0389	MLF		6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	950.42	462.06
27 15 13 00-0390	MLF		12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,183.87	462.06
27 15 13 00-0391	MLF		25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,554.56	462.06
27 15 13 00-0392	MLF		50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	2,447.95	577.57
27 15 13 00-0393	MLF		100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	4,403.97	924.10
27 15 13 00-0394	MLF		150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	5,922.36	1,039.62
27 15 13 00-0395	MLF		200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	7,825.21	1,155.14
27 15 13 00-0396	MLF		300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	11,431.51	1,617.18
27 15 13 00-0397	MLF		400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	14,959.93	1,998.38
27 15 13 00-0398	MLF		600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	23,629.65	2,772.32
27 15 13 00-0399	MLF		900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	38,581.20	5,544.63
27 15 13 00-0400	MLF		1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	52,602.93	8,316.95
27 15 13 00-0401			<b>24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed</b> (27 15 13 00-0384)		
27 15 13 00-0402	MLF		2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,421.96 404.30	808.59
27 15 13 00-0403	MLF		3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,453.68 404.30	808.59
27 15 13 00-0404	MLF		4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,464.88 404.30	808.59
27 15 13 00-0405	MLF		6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,527.99 404.30	808.59
27 15 13 00-0406	MLF		12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,761.44 404.30	808.59
27 15 13 00-0407	MLF		25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,324.66 462.05	924.10
27 15 13 00-0408	MLF		50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,410.56 577.57	1,155.14
27 15 13 00-0409	MLF		100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,174.05 693.08	1,386.16
27 15 13 00-0410	MLF		150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,788.70 779.71	1,559.43
27 15 13 00-0411	MLF		200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,787.82 866.35	1,732.70
27 15 13 00-0412	MLF		300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	12,779.16 1,212.89	2,425.78
27 15 13 00-0413	MLF		400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	16,634.87 1,501.67	3,003.35
27 15 13 00-0414	MLF		600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	25,939.92 2,079.24	4,158.47
27 15 13 00-0415	MLF		900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	43,201.73 4,158.48	8,316.95
27 15 13 00-0416	MLF		1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	59,533.73 6,237.72	12,475.43
27 15 13 00-0417			<b>22 AWG, Category 3, Indoor Telecommunications Riser Cable</b> (27 15 13 00-0383)		
27 15 13 00-0418			<b>22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit</b> (27 15 13 00-0417)		

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0419	MLF		25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	2,477.84	462.06
27 15 13 00-0420	MLF		50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	3,673.46	577.57
27 15 13 00-0421	MLF		100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	6,688.46	924.10
27 15 13 00-0422	MLF		200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	11,804.35	1,155.14
27 15 13 00-0423	MLF		300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	17,349.09	1,617.18
27 15 13 00-0424	MLF		400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	22,581.64	1,998.38
27 15 13 00-0425	MLF		600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	33,451.36	2,772.32
<b>27 15 13 00-0426</b>			<b>22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed</b> <small>(27 15 13 00-0417)</small>		
27 15 13 00-0427	MLF		25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	3,247.94	924.10
			<i>For Work In Restricted Working Space, Add</i>	462.05	
27 15 13 00-0428	MLF		50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	4,636.07	1,155.14
			<i>For Work In Restricted Working Space, Add</i>	577.57	
27 15 13 00-0429	MLF		100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	7,458.54	1,386.16
			<i>For Work In Restricted Working Space, Add</i>	693.08	
27 15 13 00-0430	MLF		200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	12,766.96	1,732.70
			<i>For Work In Restricted Working Space, Add</i>	866.35	
27 15 13 00-0431	MLF		300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	18,696.74	2,425.78
			<i>For Work In Restricted Working Space, Add</i>	1,212.89	
27 15 13 00-0432	MLF		400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	24,256.58	3,003.35
			<i>For Work In Restricted Working Space, Add</i>	1,501.67	
27 15 13 00-0433	MLF		600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	35,761.63	4,158.47
			<i>For Work In Restricted Working Space, Add</i>	2,079.24	
<b>27 15 13 00-0434</b>			<b>Category 3, Indoor Telecommunications Plenum Cable</b> <small>(27 15 13 00-0382)</small>		
<b>27 15 13 00-0435</b>			<b>24 AWG, Category 3, Indoor Telecommunications Plenum Cable</b> <small>(27 15 13 00-0434)</small>		
<b>27 15 13 00-0436</b>			<b>24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit</b> <small>(27 15 13 00-0435)</small>		
27 15 13 00-0437	MLF		2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	773.79	404.30
27 15 13 00-0438	MLF		3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	805.38	404.30
27 15 13 00-0439	MLF		4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	829.00	404.30
27 15 13 00-0440	MLF		6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	993.01	462.06
27 15 13 00-0441	MLF		12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,247.50	462.06
27 15 13 00-0442	MLF		25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,937.31	462.06
27 15 13 00-0443	MLF		50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	3,227.21	577.57
27 15 13 00-0444	MLF		100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	6,036.72	924.10
27 15 13 00-0445	MLF		200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	10,383.83	1,155.14
27 15 13 00-0446	MLF		300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	15,543.58	1,617.18
<b>27 15 13 00-0447</b>			<b>24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed</b> <small>(27 15 13 00-0435)</small>		
27 15 13 00-0448	MLF		2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed .....	1,447.61	808.59
			<i>For Work In Restricted Working Space, Add</i>	404.30	
27 15 13 00-0449	MLF		3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed .....	1,479.20	808.59
			<i>For Work In Restricted Working Space, Add</i>	404.30	
27 15 13 00-0450	MLF		4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed .....	1,502.82	808.59
			<i>For Work In Restricted Working Space, Add</i>	404.30	
27 15 13 00-0451	MLF		6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed .....	1,570.58	808.59
			<i>For Work In Restricted Working Space, Add</i>	404.30	
27 15 13 00-0452	MLF		12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed .....	1,825.07	808.59
			<i>For Work In Restricted Working Space, Add</i>	404.30	
27 15 13 00-0453	MLF		25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed .....	2,707.41	924.10
			<i>For Work In Restricted Working Space, Add</i>	462.05	
27 15 13 00-0454	MLF		50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed .....	4,189.82	1,155.14
			<i>For Work In Restricted Working Space, Add</i>	577.57	
27 15 13 00-0455	MLF		100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed .....	6,806.80	1,386.16
			<i>For Work In Restricted Working Space, Add</i>	693.08	
27 15 13 00-0456	MLF		200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed .....	11,346.44	1,732.70
			<i>For Work In Restricted Working Space, Add</i>	866.35	
27 15 13 00-0457	MLF		300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed .....	16,891.23	2,425.78
			<i>For Work In Restricted Working Space, Add</i>	1,212.89	
<b>27 15 13 00-0458</b>			<b>Category 5E, Indoor Telecommunications Cable</b> <small>(27 15 13 00-0381)</small>		
<b>27 15 13 00-0459</b>			<b>Category 5E, Indoor Telecommunications Riser Cable</b> <small>(27 15 13 00-0458)</small>		
<b>27 15 13 00-0460</b>			<b>Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit</b> <small>(27 15 13 00-0459)</small>		
27 15 13 00-0461	MLF		4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	847.97	404.30
27 15 13 00-0462	MLF		4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit .....	888.76	404.30
27 15 13 00-0463	MLF		4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	985.79	462.06
27 15 13 00-0464	MLF		4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,026.57	462.06
<b>27 15 13 00-0465</b>			<b>Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed</b> <small>(27 15 13 00-0459)</small>		
27 15 13 00-0466	MLF		4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed .....	1,521.79	808.59
			<i>For Work In Restricted Working Space, Add</i>	404.30	
27 15 13 00-0467	MLF		4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed .....	1,562.58	808.59
			<i>For Work In Restricted Working Space, Add</i>	404.30	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	27 15 13 00-0468			MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,755.89 462.05	924.10
	27 15 13 00-0469			MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,796.67 462.05	924.10
	27 15 13 00-0470			Category 5E, Indoor Telecommunications Plenum Cable <small>(27 15 13 00-0458)</small>		
	27 15 13 00-0471			Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 15 13 00-0470)</small>		
	27 15 13 00-0472			MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	997.97	404.30
	27 15 13 00-0473			MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	1,412.94	462.06
	27 15 13 00-0474			Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 15 13 00-0470)</small>		
	27 15 13 00-0475			MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,671.79 404.30	808.59
	27 15 13 00-0476			MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,183.04 462.05	924.10
	27 15 13 00-0477			Category 6, Indoor Telecommunications Cable <small>(27 15 13 00-0381)</small>		
	27 15 13 00-0478			Category 6, Indoor Telecommunications Riser Cable <small>(27 15 13 00-0477)</small>		
	27 15 13 00-0479			Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 15 13 00-0478)</small>		
	27 15 13 00-0480			MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit .....	1,252.69	404.30
	27 15 13 00-0481			MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit .....	1,317.41	404.30
	27 15 13 00-0482			Category 6, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 15 13 00-0478)</small>		
	27 15 13 00-0483			MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,926.51 404.30	808.59
	27 15 13 00-0484			MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,991.23 404.30	808.59
	27 15 13 00-0485			Category 6, Indoor Telecommunications Plenum Cable <small>(27 15 13 00-0477)</small>		
	27 15 13 00-0486			Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 15 13 00-0485)</small>		
	27 15 13 00-0487			MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	1,851.53	404.30
	27 15 13 00-0488			Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 15 13 00-0485)</small>		
	27 15 13 00-0489			MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,525.35 404.30	808.59
	27 15 13 00-0490			Category 6a, Indoor Telecommunications Cable <small>(27 15 13 00-0381)</small>		
	27 15 13 00-0491			Category 6a, Indoor Telecommunications Riser Cable <small>(27 15 13 00-0490)</small>		
	27 15 13 00-0492			Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 15 13 00-0491)</small>		
	27 15 13 00-0493			MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed In Conduit .....	1,356.11	404.30
	27 15 13 00-0494			Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 15 13 00-0491)</small>		
	27 15 13 00-0495			MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,029.93 404.30	808.59
	27 15 13 00-0496			Category 6a, Indoor Telecommunications Plenum Cable <small>(27 15 13 00-0490)</small>		
	27 15 13 00-0497			Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 15 13 00-0496)</small>		
	27 15 13 00-0498			MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	2,157.62	404.30
	27 15 13 00-0499			Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 15 13 00-0496)</small>		
	27 15 13 00-0500			MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,831.44 404.30	808.59
	27 15 13 00-0501			Category 7, Indoor Telecommunications Cable <small>(27 15 13 00-0381)</small>		
	27 15 13 00-0502			Category 7, Indoor Telecommunications Cable, Installed In Conduit <small>(27 15 13 00-0501)</small>		
	27 15 13 00-0503			MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit .....	3,400.29	462.06
	27 15 13 00-0504			MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	7,190.58	462.06
	27 15 13 00-0505			Category 7, Indoor Telecommunications Cable, Installed Exposed <small>(27 15 13 00-0501)</small>		

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0506	MLF		4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,170.39 462.05	924.10
27 15 13 00-0507	MLF		4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,960.68 462.05	924.10
<b>27 15 13 00-0508</b>			<b>Outdoor Telecommunications Cable</b> <small>(27 15 13 00-0380)</small> Note: Cable buried in trench excludes excavation.		
<b>27 15 13 00-0509</b>			<b>PE-89 Outdoor Telecommunications Cable</b> <small>(27 15 13 00-0508)</small> Note: Includes foam-skin polyolefin insulated conductors.		
<b>27 15 13 00-0510</b>			<b>24 AWG, PE-89 Outdoor Telecommunications Cable</b> <small>(27 15 13 00-0509)</small>		
<b>27 15 13 00-0511</b>			<b>24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit</b> <small>(27 15 13 00-0510)</small>		
27 15 13 00-0512	MLF		6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	1,389.57	462.06
27 15 13 00-0513	MLF		12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	1,651.59	808.59
27 15 13 00-0514	MLF		25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,312.31	519.81
27 15 13 00-0515	MLF		50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	3,483.88	577.57
27 15 13 00-0516	MLF		75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	4,937.71	808.59
27 15 13 00-0517	MLF		100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	6,201.53	924.10
27 15 13 00-0518	MLF		200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	10,577.91	1,039.62
27 15 13 00-0519	MLF		300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	15,546.48	1,501.67
27 15 13 00-0520	MLF		400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	20,596.47	1,963.73
27 15 13 00-0521	MLF		600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	27,970.71	2,656.80
27 15 13 00-0522	MLF		900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	44,316.77	5,313.61
27 15 13 00-0523	MLF		1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	60,649.46	7,854.90
<b>27 15 13 00-0524</b>			<b>24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench</b> <small>(27 15 13 00-0510)</small>		
27 15 13 00-0525	MLF		6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,245.19	
27 15 13 00-0526	MLF		12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,507.21	
27 15 13 00-0527	MLF		25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,119.79	
27 15 13 00-0528	MLF		50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	3,291.35	
27 15 13 00-0529	MLF		75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,648.93	
27 15 13 00-0530	MLF		100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	5,720.22	
27 15 13 00-0531	MLF		200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	10,385.39	
27 15 13 00-0532	MLF		300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	14,968.91	
27 15 13 00-0533	MLF		400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	19,393.20	
27 15 13 00-0534	MLF		600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	25,852.97	
27 15 13 00-0535	MLF		900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	38,541.10	
27 15 13 00-0536	MLF		1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	52,178.48	
<b>27 15 13 00-0537</b>			<b>22 AWG, PE-89 Outdoor Telecommunications Cable</b> <small>(27 15 13 00-0509)</small>		
<b>27 15 13 00-0538</b>			<b>22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit</b> <small>(27 15 13 00-0537)</small>		
27 15 13 00-0539	MLF		6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	1,556.14	462.06
27 15 13 00-0540	MLF		12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	1,962.80	462.06
27 15 13 00-0541	MLF		25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,949.34	519.81
27 15 13 00-0542	MLF		50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	4,617.73	577.57
27 15 13 00-0543	MLF		75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	6,709.61	808.59
27 15 13 00-0544	MLF		100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	8,610.37	924.10
27 15 13 00-0545	MLF		200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	15,224.91	1,039.62
27 15 13 00-0546	MLF		300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	22,174.02	1,501.67
27 15 13 00-0547	MLF		400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	29,530.97	1,963.73
27 15 13 00-0548	MLF		600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	43,573.17	2,656.80
27 15 13 00-0549	MLF		900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	64,021.38	5,313.61
27 15 13 00-0550	MLF		1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	90,129.38	7,854.90
<b>27 15 13 00-0551</b>			<b>22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench</b> <small>(27 15 13 00-0537)</small>		
27 15 13 00-0552	MLF		6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,411.76	
27 15 13 00-0553	MLF		12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,818.42	
27 15 13 00-0554	MLF		25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,756.82	
27 15 13 00-0555	MLF		50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,425.20	
27 15 13 00-0556	MLF		75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	6,420.83	
27 15 13 00-0557	MLF		100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,321.58	
27 15 13 00-0558	MLF		200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	15,032.39	
27 15 13 00-0559	MLF		300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	21,596.45	
27 15 13 00-0560	MLF		400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	28,327.70	
27 15 13 00-0561	MLF		600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	41,455.43	
27 15 13 00-0562	MLF		900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	58,245.71	
27 15 13 00-0563	MLF		1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	81,658.40	
<b>27 15 13 00-0564</b>			<b>19 AWG, PE-89 Outdoor Telecommunications Cable</b> <small>(27 15 13 00-0509)</small>		
<b>27 15 13 00-0565</b>			<b>19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit</b> <small>(27 15 13 00-0564)</small>		
27 15 13 00-0566	MLF		25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	4,913.19	519.81
27 15 13 00-0567	MLF		50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	8,456.42	577.57
27 15 13 00-0568	MLF		75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	13,537.92	808.59
27 15 13 00-0569	MLF		100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	16,213.70	924.10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0570	<b>19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench</b> <small>(27 15 13 00-0564)</small>		
27 15 13 00-0571	MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,720.67	
27 15 13 00-0572	MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,263.89	
27 15 13 00-0573	MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	13,249.14	
27 15 13 00-0574	MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	15,924.91	
27 15 13 00-0575	<b>PE-39 Outdoor Telecommunications Cable</b> <small>(27 15 13 00-0506)</small>		
	Note: Includes solid polyolefin insulated conductors.		
27 15 13 00-0576	<b>24 AWG, PE-39 Outdoor Telecommunications Cable</b> <small>(27 15 13 00-0575)</small>		
27 15 13 00-0577	<b>24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit</b> <small>(27 15 13 00-0576)</small>		
27 15 13 00-0578	MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	1,990.56	808.59
27 15 13 00-0579	MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,311.12	808.59
27 15 13 00-0580	MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,957.83	808.59
27 15 13 00-0581	MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	4,122.44	808.59
27 15 13 00-0582	MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	6,484.44	808.59
27 15 13 00-0583	MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	11,665.23	1,039.62
27 15 13 00-0584	MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	17,029.63	1,501.67
27 15 13 00-0585	MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	22,403.67	1,963.73
27 15 13 00-0586	MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	30,609.37	2,656.80
27 15 13 00-0587	MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	47,729.20	5,313.61
27 15 13 00-0588	MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	69,499.94	7,854.90
27 15 13 00-0589	<b>24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench</b> <small>(27 15 13 00-0576)</small>		
27 15 13 00-0590	MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,701.78	
27 15 13 00-0591	MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,022.34	
27 15 13 00-0592	MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,669.05	
27 15 13 00-0593	MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,833.66	
27 15 13 00-0594	MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	6,195.66	
27 15 13 00-0595	MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	11,472.71	
27 15 13 00-0596	MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	16,452.06	
27 15 13 00-0597	MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	21,200.40	
27 15 13 00-0598	MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	28,491.63	
27 15 13 00-0599	MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	41,953.53	
27 15 13 00-0600	MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	61,028.96	
27 15 13 00-0601	<b>22 AWG, PE-39 Outdoor Telecommunications Cable</b> <small>(27 15 13 00-0575)</small>		
27 15 13 00-0602	<b>22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit</b> <small>(27 15 13 00-0601)</small>		
27 15 13 00-0603	MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,175.88	808.59
27 15 13 00-0604	MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,646.93	808.59
27 15 13 00-0605	MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	3,649.35	808.59
27 15 13 00-0606	MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	5,493.43	808.59
27 15 13 00-0607	MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	9,341.80	808.59
27 15 13 00-0608	MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	17,164.16	1,039.62
27 15 13 00-0609	MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	25,146.73	1,501.67
27 15 13 00-0610	MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	32,221.14	1,963.73
27 15 13 00-0611	MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	44,994.22	2,656.80
27 15 13 00-0612	MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	71,021.62	5,313.61
27 15 13 00-0613	<b>22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench</b> <small>(27 15 13 00-0601)</small>		
27 15 13 00-0614	MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,887.10	
27 15 13 00-0615	MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,358.15	
27 15 13 00-0616	MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,360.57	
27 15 13 00-0617	MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	5,204.65	
27 15 13 00-0618	MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	9,053.02	
27 15 13 00-0619	MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	16,971.64	
27 15 13 00-0620	MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	24,569.16	
27 15 13 00-0621	MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	31,017.87	
27 15 13 00-0622	MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	42,876.48	
27 15 13 00-0623	MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	65,245.95	
27 15 13 00-0624	<b>19 AWG, PE-39 Outdoor Telecommunications Cable</b> <small>(27 15 13 00-0575)</small>		
27 15 13 00-0625	<b>19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit</b> <small>(27 15 13 00-0624)</small>		
27 15 13 00-0626	MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	5,869.93	808.59
27 15 13 00-0627	MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	9,609.98	808.59
27 15 13 00-0628	MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	17,365.52	808.59
27 15 13 00-0629	<b>19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench</b> <small>(27 15 13 00-0624)</small>		
27 15 13 00-0630	MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	5,581.15	
27 15 13 00-0631	MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	9,321.20	
27 15 13 00-0632	MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	17,076.74	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0633 (Aerial) Outdoor Telecommunications Cable (27 15 13 00-0508) Note: Includes support wire.		
27 15 13 00-0634 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 15 13 00-0633)		
27 15 13 00-0635 MLF 6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	5,967.33	1,667.54
27 15 13 00-0636 MLF 12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	6,234.05	1,667.54
27 15 13 00-0637 MLF 25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	6,896.27	1,667.54
27 15 13 00-0638 MLF 50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	8,122.34	1,667.54
27 15 13 00-0639 MLF 100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	10,490.50	1,667.54
27 15 13 00-0640 MLF 200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	15,593.67	1,834.30
27 15 13 00-0641 MLF 300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	20,726.12	2,001.05
27 15 13 00-0642 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 15 13 00-0633)		
27 15 13 00-0643 MLF 6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	6,286.43	1,667.54
27 15 13 00-0644 MLF 12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	6,680.50	1,667.54
27 15 13 00-0645 MLF 25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	7,629.64	1,667.54
27 15 13 00-0646 MLF 50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	9,504.76	1,667.54
27 15 13 00-0647 MLF 100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	13,750.17	1,667.54
27 15 13 00-0648 MLF 200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	21,359.38	1,834.30
27 15 13 00-0649 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 15 13 00-0633)		
27 15 13 00-0650 MLF 6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	6,708.31	1,667.54
27 15 13 00-0651 MLF 12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	7,599.48	1,667.54
27 15 13 00-0652 MLF 25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	9,351.64	1,667.54
27 15 13 00-0653 MLF 50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	12,856.00	1,667.54
27 15 13 00-0654 MLF 100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	20,016.14	1,667.54
27 15 13 00-0655 Category 5E, Outdoor Telecommunications Cable (27 15 13 00-0508)		
27 15 13 00-0656 Category 5E, Outdoor Telecommunications Cable (27 15 13 00-0655)		
27 15 13 00-0657 Category 5E, Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0656)		
27 15 13 00-0658 MLF 4-Pair 24 AWG, Ultra II Enhanced Category 5E, Flooded Outdoor Telecommunications Cable, Installed In Conduit.....	1,894.72	924.10
27 15 13 00-0659 Category 5E, Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0656)		
27 15 13 00-0660 MLF 4-Pair 24 AWG, Ultra II Enhanced Category 5E, Flooded Outdoor Telecommunications Cable, Buried In Trench.....	1,605.94	
27 15 13 00-0661 Category 6, Outdoor Telecommunications Cable (27 15 13 00-0508)		
27 15 13 00-0662 Category 6, Outdoor Telecommunications Cable (27 15 13 00-0661)		
27 15 13 00-0663 Category 6, Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0662)		
27 15 13 00-0664 MLF 4-Pair 24 AWG, UltraMedia Category 6, Flooded Outdoor Telecommunications Cable, Installed In Conduit.....	2,171.24	924.10
27 15 13 00-0665 Category 6, Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0662)		
27 15 13 00-0666 MLF 4-Pair 24 AWG, UltraMedia Category 6, Flooded Outdoor Telecommunications Cable, Buried In Trench.....	1,882.46	
27 15 13 00-0667 Sound System Cables (27 15 13)		
Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 15 13 00-0668 Speaker/Communications And Control Cable, Installed Exposed (27 15 13 00-0667)		
27 15 13 00-0669 Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed (27 15 13 00-0668)		
27 15 13 00-0670 MLF 2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,461.30	615.52
For Work In Restricted Working Space, Add	369.31	
27 15 13 00-0671 MLF 2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,383.64	615.52
For Work In Restricted Working Space, Add	369.31	
27 15 13 00-0672 MLF 2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,323.73	615.52
For Work In Restricted Working Space, Add	369.31	
27 15 13 00-0673 MLF 4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,389.24	615.52
For Work In Restricted Working Space, Add	369.31	
27 15 13 00-0674 MLF 4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,599.80	615.52
For Work In Restricted Working Space, Add	369.31	
27 15 13 00-0675 MLF 6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,809.66	615.52
For Work In Restricted Working Space, Add	369.31	
27 15 13 00-0676 MLF 4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,600.68	615.52
For Work In Restricted Working Space, Add	369.31	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0677	MLF	4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,499.58 369.31	615.52
<b>27 15 13 00-0678 Plenum Rated Speaker/Communications And Control Cable, Installed Exposed</b> <small>(27 15 13 00-0688)</small>				
27 15 13 00-0679	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,493.39 369.31	615.52
27 15 13 00-0680	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,404.05 369.31	615.52
27 15 13 00-0681	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,353.48 369.31	615.52
27 15 13 00-0682	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,437.86 369.31	615.52
27 15 13 00-0683	MLF	8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,616.13 369.31	615.52
27 15 13 00-0684	MLF	2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,596.46 369.31	615.52
27 15 13 00-0685	MLF	2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,472.89 369.31	615.52
27 15 13 00-0686	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,682.95 369.31	615.52
27 15 13 00-0687	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,892.43 369.31	615.52
27 15 13 00-0688	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,378.83 369.31	615.52
27 15 13 00-0689	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,420.57 369.31	615.52
<b>27 15 13 00-0690 Speaker/Communications And Control Cable, Installed In Conduit</b> <small>(27 15 13 00-0697)</small>				
<b>27 15 13 00-0691 Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit</b> <small>(27 15 13 00-0690)</small>				
27 15 13 00-0692	MLF	2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	845.78	307.76
27 15 13 00-0693	MLF	2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	768.12	307.76
27 15 13 00-0694	MLF	2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	708.21	307.76
27 15 13 00-0695	MLF	4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	773.72	307.76
27 15 13 00-0696	MLF	4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	984.28	307.76
27 15 13 00-0697	MLF	6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,194.14	307.76
27 15 13 00-0698	MLF	4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	985.16	307.76
27 15 13 00-0699	MLF	4 Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	884.06	307.76
<b>27 15 13 00-0700 Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit</b> <small>(27 15 13 00-0690)</small>				
27 15 13 00-0701	MLF	2 Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	877.87	307.76
27 15 13 00-0702	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	788.53	307.76
27 15 13 00-0703	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	737.96	307.76
27 15 13 00-0704	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	822.34	307.76
27 15 13 00-0705	MLF	8 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,000.61	307.76
27 15 13 00-0706	MLF	2 Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	980.94	307.76
27 15 13 00-0707	MLF	2 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	857.37	307.76
27 15 13 00-0708	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,067.43	307.76
27 15 13 00-0709	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,276.91	307.76
27 15 13 00-0710	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	805.05	307.76
27 15 13 00-0711	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	763.31	307.76

## 27 Communications

## 27 10 Structured Cabling

## 27 15 Communications Horizontal Cabling

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

## 27 15 23 Communications Optical Fiber Horizontal Cabling (27 15)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 23 00-0001	Indoor Fiber Optic Cable (27 15 23)		
Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.			
27 15 23 00-0002	Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0001)		
Note: Excludes conduit or innerduct.			
27 15 23 00-0003	Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0002)		
27 15 23 00-0004	Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0003)		
27 15 23 00-0005	Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)		
27 15 23 00-0006	MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	867.17	346.54
27 15 23 00-0007	MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	954.45	346.54
27 15 23 00-0008	MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	983.59	346.54
27 15 23 00-0009	MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,087.37	346.54
	For Aluminum Armored Cable, Add	869.75	
	For Steel Armored Cable, Add	3,498.54	
27 15 23 00-0010	MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,117.13	346.54
27 15 23 00-0011	MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,296.99	346.54
	For Aluminum Armored Cable, Add	930.46	
	For Steel Armored Cable, Add	3,852.43	
27 15 23 00-0012	MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,263.81	404.30
27 15 23 00-0013	MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,224.59	404.30
	For Aluminum Armored Cable With Sub-Units, Add	850.14	
	For Steel Armored Cable, Add	6,756.16	
27 15 23 00-0014	MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,954.79	404.30
	For Aluminum Armored Cable With Sub-Units, Add	783.62	
	For Steel Armored Cable, Add	7,102.90	
27 15 23 00-0015	MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,096.41	404.30
	For Aluminum Armored Cable With Sub-Units, Add	825.94	
	For Steel Armored Cable, Add	7,425.53	
27 15 23 00-0016	MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,989.49	404.30
27 15 23 00-0017	MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,226.99	404.30
27 15 23 00-0018	MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,476.23	404.30
27 15 23 00-0019	MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,719.98	462.06
27 15 23 00-0020	MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,423.53	462.06
27 15 23 00-0021	50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)		
27 15 23 00-0022	MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	892.31	346.54
27 15 23 00-0023	MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	929.57	346.54
27 15 23 00-0024	MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,138.57	346.54
27 15 23 00-0025	MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,358.57	346.54
	For Aluminum Armored Cable, Add	1,002.05	
	For Steel Armored Cable, Add	1,274.94	
27 15 23 00-0026	MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,567.57	346.54
27 15 23 00-0027	MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,996.57	346.54
	For Aluminum Armored Cable, Add	1,102.25	
	For Steel Armored Cable, Add	1,457.82	
27 15 23 00-0028	MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,202.83	404.30
27 15 23 00-0029	MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,753.83	404.30
	For Aluminum Armored Cable With Sub-Units, Add	829.93	
	For Steel Armored Cable, Add	829.93	
27 15 23 00-0030	MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,293.83	404.30
27 15 23 00-0031	MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,833.83	404.30
	For Aluminum Armored Cable With Sub-Units, Add	1,502.57	
27 15 23 00-0032	MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,373.83	404.30
27 15 23 00-0033	MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,913.83	404.30
27 15 23 00-0034	MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,004.83	404.30
	For Aluminum Armored Cable With Sub-Units, Add	6,010.56	
27 15 23 00-0035	MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,181.08	462.06
27 15 23 00-0036	MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,261.08	462.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>27 15 23 00-0037</b>	<b>62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0004)</small>		
27 15 23 00-0038	MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	908.04	346.54
27 15 23 00-0039	MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	947.17	346.54
27 15 23 00-0040	MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,166.62	346.54
27 15 23 00-0041	MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,397.62	346.54
27 15 23 00-0042	MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,617.07	346.54
27 15 23 00-0043	MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,067.52	346.54
27 15 23 00-0044	MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,279.28	404.30
27 15 23 00-0045	MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,907.83	404.30
27 15 23 00-0046	MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,524.83	404.30
27 15 23 00-0047	MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,141.83	404.30
27 15 23 00-0048	MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	8,758.83	404.30
27 15 23 00-0049	MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	10,375.83	404.30
27 15 23 00-0050	MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	13,621.38	404.30
27 15 23 00-0051	MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	16,951.63	462.06
27 15 23 00-0052	MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	20,185.63	462.06
<b>27 15 23 00-0053</b>	<b>Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0003)</small>		
<b>27 15 23 00-0054</b>	<b>Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0053)</small>		
27 15 23 00-0055	MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,676.10	346.54
27 15 23 00-0056	MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,001.60	346.54
27 15 23 00-0057	MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,717.69	346.54
27 15 23 00-0058	MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,059.44	346.54
27 15 23 00-0059	MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,387.63	346.54
27 15 23 00-0060	MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,678.29	404.30
27 15 23 00-0061	MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,178.28	404.30
27 15 23 00-0062	MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,153.81	404.30
27 15 23 00-0063	MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,472.97	404.30
<b>27 15 23 00-0064</b>	<b>50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0053)</small>		
27 15 23 00-0065	MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,769.19	346.54
27 15 23 00-0066	MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,144.91	346.54
27 15 23 00-0067	MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,764.37	346.54
27 15 23 00-0068	MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,685.07	346.54
27 15 23 00-0069	MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,180.67	346.54
27 15 23 00-0070	MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,432.43	404.30
27 15 23 00-0071	MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,011.47	404.30
27 15 23 00-0072	MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,755.63	404.30
27 15 23 00-0073	MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	11,805.83	404.30
<b>27 15 23 00-0074</b>	<b>62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0053)</small>		
27 15 23 00-0075	MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,828.77	346.54
27 15 23 00-0076	MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,223.27	346.54
27 15 23 00-0077	MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,873.71	346.54
27 15 23 00-0078	MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,840.45	346.54
27 15 23 00-0079	MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,360.82	346.54
27 15 23 00-0080	MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,670.36	404.30
27 15 23 00-0081	MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,328.35	404.30

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
27 15 23 00-0082	MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	8,109.72	404.30
27 15 23 00-0083	MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	12,362.43	404.30
27 15 23 00-0084	Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <i>(27 15 23 00-0002)</i>		
27 15 23 00-0085	Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <i>(27 15 23 00-0084)</i>		
27 15 23 00-0086	Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <i>(27 15 23 00-0085)</i>		
27 15 23 00-0087	MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	897.17	346.54
27 15 23 00-0088	MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	902.00	346.54
27 15 23 00-0089	MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,155.18	346.54
27 15 23 00-0090	MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,184.81	346.54
	<i>For Aluminum Armored Cable, Add</i>	851.78	
	<i>For Steel Armored Cable, Add</i>	5,172.73	
27 15 23 00-0091	MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,333.95	346.54
27 15 23 00-0092	MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,361.85	346.54
	<i>For Aluminum Armored Cable, Add</i>	877.95	
	<i>For Steel Armored Cable, Add</i>	5,544.37	
27 15 23 00-0093	MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,230.63	404.30
27 15 23 00-0094	MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,189.43	404.30
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	-218.87	
	<i>For Steel Armored Cable, Add</i>	5,660.23	
27 15 23 00-0095	MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	6,727.26	404.30
27 15 23 00-0096	MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	6,906.03	404.30
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	-556.89	
	<i>For Steel Armored Cable, Add</i>	6,969.56	
27 15 23 00-0097	MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	8,360.85	404.30
27 15 23 00-0098	MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	9,914.14	404.30
27 15 23 00-0099	MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	13,142.18	404.30
27 15 23 00-0100	50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <i>(27 15 23 00-0085)</i>		
27 15 23 00-0101	MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	890.61	346.54
27 15 23 00-0102	MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,004.90	346.54
27 15 23 00-0103	MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,266.69	346.54
27 15 23 00-0104	MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,533.73	346.54
	<i>For Aluminum Armored Cable, Add</i>	829.48	
	<i>For Steel Armored Cable, Add</i>	1,162.73	
27 15 23 00-0105	MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,789.60	346.54
27 15 23 00-0106	MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,011.91	346.54
	<i>For Aluminum Armored Cable, Add</i>	1,064.20	
	<i>For Steel Armored Cable, Add</i>	1,442.48	
27 15 23 00-0107	MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,545.74	404.30
27 15 23 00-0108	MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,444.59	404.30
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,612.46	
	<i>For Steel Armored Cable, Add</i>	1,612.46	
27 15 23 00-0109	MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	6,329.97	404.30
27 15 23 00-0110	MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	8,215.35	404.30
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,623.58	
27 15 23 00-0111	MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	10,100.73	404.30
27 15 23 00-0112	MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	11,986.11	404.30
27 15 23 00-0113	MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	15,770.34	404.30
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	3,245.05	
27 15 23 00-0114	62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <i>(27 15 23 00-0085)</i>		
27 15 23 00-0115	MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	906.27	346.54
27 15 23 00-0116	MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,026.27	346.54
27 15 23 00-0117	MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,301.15	346.54
27 15 23 00-0118	MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,581.53	346.54
27 15 23 00-0119	MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,850.20	346.54

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0120 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,083.63	346.54
27 15 23 00-0121 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,639.34	404.30
27 15 23 00-0122 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,633.13	404.30
27 15 23 00-0123 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	6,612.78	404.30
27 15 23 00-0124 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	8,592.43	404.30
27 15 23 00-0125 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	10,572.07	404.30
27 15 23 00-0126 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	12,551.72	404.30
27 15 23 00-0127 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	16,525.16	404.30
<b>27 15 23 00-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0084)</b>		
<b>27 15 23 00-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0128)</b>		
27 15 23 00-0130 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,671.56	346.54
27 15 23 00-0131 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,067.59	346.54
27 15 23 00-0132 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,019.66	346.54
27 15 23 00-0133 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,952.72	346.54
27 15 23 00-0134 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	6,441.86	346.54
27 15 23 00-0135 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	9,201.74	404.30
27 15 23 00-0136 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	13,302.45	404.30
27 15 23 00-0137 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	16,107.65	404.30
27 15 23 00-0138 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	20,116.65	404.30
<b>27 15 23 00-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0128)</b>		
27 15 23 00-0140 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,993.13	346.54
27 15 23 00-0141 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,698.55	346.54
27 15 23 00-0142 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,957.68	346.54
27 15 23 00-0143 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,599.41	346.54
27 15 23 00-0144 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,652.14	346.54
27 15 23 00-0145 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	8,996.44	404.30
27 15 23 00-0146 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	8,991.03	404.30
27 15 23 00-0147 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	11,605.38	404.30
27 15 23 00-0148 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	18,450.27	404.30
<b>27 15 23 00-0149 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0128)</b>		
27 15 23 00-0150 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,113.91	346.54
27 15 23 00-0151 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,854.60	346.54
27 15 23 00-0152 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,176.69	346.54
27 15 23 00-0153 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,850.51	346.54
27 15 23 00-0154 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,905.87	346.54
27 15 23 00-0155 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	9,412.57	404.30
27 15 23 00-0156 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	9,406.89	404.30
27 15 23 00-0157 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	12,151.96	404.30
27 15 23 00-0158 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	19,339.09	404.30
<b>27 15 23 00-0159 Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0001)</b> Note: For non-conduit installations such as cable trays, surface runways, etc.		
<b>27 15 23 00-0160 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0159)</b>		
<b>27 15 23 00-0161 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0160)</b>		

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0162			<b>Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0161)</small>		
27 15 23 00-0163	MLF		1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,059.68	462.06
			<i>For Work In Restricted Working Space, Add</i>	231.02	
27 15 23 00-0164	MLF		2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,146.96	462.06
			<i>For Work In Restricted Working Space, Add</i>	231.02	
27 15 23 00-0165	MLF		4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,176.10	462.06
			<i>For Work In Restricted Working Space, Add</i>	231.02	
27 15 23 00-0166	MLF		6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,279.88	462.06
			<i>For Aluminum Armored Cable, Add</i>	869.75	
			<i>For Steel Armored Cable, Add</i>	3,498.54	
			<i>For Work In Restricted Working Space, Add</i>	231.02	
27 15 23 00-0167	MLF		8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,309.64	462.06
			<i>For Work In Restricted Working Space, Add</i>	231.02	
27 15 23 00-0168	MLF		12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,489.50	462.06
			<i>For Aluminum Armored Cable, Add</i>	930.46	
			<i>For Steel Armored Cable, Add</i>	3,852.43	
			<i>For Work In Restricted Working Space, Add</i>	231.02	
27 15 23 00-0169	MLF		18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,456.33	519.81
			<i>For Work In Restricted Working Space, Add</i>	259.91	
27 15 23 00-0170	MLF		24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,417.11	519.81
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	850.14	
			<i>For Steel Armored Cable, Add</i>	6,756.16	
			<i>For Work In Restricted Working Space, Add</i>	259.91	
27 15 23 00-0171	MLF		36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,147.31	519.81
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	783.62	
			<i>For Steel Armored Cable, Add</i>	7,102.90	
			<i>For Work In Restricted Working Space, Add</i>	259.91	
27 15 23 00-0172	MLF		48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,288.93	519.81
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	825.94	
			<i>For Steel Armored Cable, Add</i>	7,425.53	
			<i>For Work In Restricted Working Space, Add</i>	259.91	
27 15 23 00-0173	MLF		60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,182.01	519.81
			<i>For Work In Restricted Working Space, Add</i>	259.91	
27 15 23 00-0174	MLF		72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,419.51	519.81
			<i>For Work In Restricted Working Space, Add</i>	259.91	
27 15 23 00-0175	MLF		96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,668.75	519.81
			<i>For Work In Restricted Working Space, Add</i>	259.91	
27 15 23 00-0176	MLF		120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,912.51	577.57
			<i>For Work In Restricted Working Space, Add</i>	288.78	
27 15 23 00-0177	MLF		144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,616.06	577.57
			<i>For Work In Restricted Working Space, Add</i>	288.78	
27 15 23 00-0178			<b>50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0161)</small>		
27 15 23 00-0179	MLF		1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,084.82	462.06
			<i>For Work In Restricted Working Space, Add</i>	231.02	
27 15 23 00-0180	MLF		2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,122.08	462.06
			<i>For Work In Restricted Working Space, Add</i>	231.02	
27 15 23 00-0181	MLF		4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,331.08	462.06
			<i>For Work In Restricted Working Space, Add</i>	231.02	
27 15 23 00-0182	MLF		6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,551.08	462.06
			<i>For Aluminum Armored Cable, Add</i>	1,002.05	
			<i>For Steel Armored Cable, Add</i>	1,274.94	
			<i>For Work In Restricted Working Space, Add</i>	231.02	
27 15 23 00-0183	MLF		8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,760.08	462.06
			<i>For Work In Restricted Working Space, Add</i>	231.02	
27 15 23 00-0184	MLF		12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,189.08	462.06
			<i>For Aluminum Armored Cable, Add</i>	1,102.25	
			<i>For Steel Armored Cable, Add</i>	1,457.82	
			<i>For Work In Restricted Working Space, Add</i>	231.02	
27 15 23 00-0185	MLF		18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,395.35	519.81
			<i>For Work In Restricted Working Space, Add</i>	259.91	
27 15 23 00-0186	MLF		24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,946.35	519.81
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	829.93	
			<i>For Steel Armored Cable, Add</i>	829.93	
			<i>For Work In Restricted Working Space, Add</i>	259.91	
27 15 23 00-0187	MLF		36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,486.35	519.81
			<i>For Work In Restricted Working Space, Add</i>	259.91	
27 15 23 00-0188	MLF		48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,026.35	519.81
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,502.57	
			<i>For Work In Restricted Working Space, Add</i>	259.91	
27 15 23 00-0189	MLF		60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,566.35	519.81
			<i>For Work In Restricted Working Space, Add</i>	259.91	
27 15 23 00-0190	MLF		72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,106.35	519.81
			<i>For Work In Restricted Working Space, Add</i>	259.91	
27 15 23 00-0191	MLF		96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,197.35	519.81
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	6,010.56	
			<i>For Work In Restricted Working Space, Add</i>	259.91	
27 15 23 00-0192	MLF		120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,373.61	577.57
			<i>For Work In Restricted Working Space, Add</i>	288.78	
27 15 23 00-0193	MLF		144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	19,453.61	577.57
			<i>For Work In Restricted Working Space, Add</i>	288.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0194		62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0194)</small>			
	27 15 23 00-0195	MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,100.55	462.06	
		<i>For Work In Restricted Working Space, Add</i>	231.02		
	27 15 23 00-0196	MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,139.68	462.06	
		<i>For Work In Restricted Working Space, Add</i>	231.02		
	27 15 23 00-0197	MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,359.13	462.06	
		<i>For Work In Restricted Working Space, Add</i>	231.02		
	27 15 23 00-0198	MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,590.13	462.06	
		<i>For Work In Restricted Working Space, Add</i>	231.02		
	27 15 23 00-0199	MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,809.58	462.06	
		<i>For Work In Restricted Working Space, Add</i>	231.02		
	27 15 23 00-0200	MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,260.03	462.06	
		<i>For Work In Restricted Working Space, Add</i>	231.02		
	27 15 23 00-0201	MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,471.80	519.81	
		<i>For Work In Restricted Working Space, Add</i>	259.91		
	27 15 23 00-0202	MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,100.35	519.81	
		<i>For Work In Restricted Working Space, Add</i>	259.91		
	27 15 23 00-0203	MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,717.35	519.81	
		<i>For Work In Restricted Working Space, Add</i>	259.91		
	27 15 23 00-0204	MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,334.35	519.81	
		<i>For Work In Restricted Working Space, Add</i>	259.91		
	27 15 23 00-0205	MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,951.35	519.81	
		<i>For Work In Restricted Working Space, Add</i>	259.91		
	27 15 23 00-0206	MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,568.35	519.81	
		<i>For Work In Restricted Working Space, Add</i>	259.91		
	27 15 23 00-0207	MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,813.90	519.81	
		<i>For Work In Restricted Working Space, Add</i>	259.91		
	27 15 23 00-0208	MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	17,144.16	577.57	
		<i>For Work In Restricted Working Space, Add</i>	288.78		
	27 15 23 00-0209	MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	20,378.16	577.57	
		<i>For Work In Restricted Working Space, Add</i>	288.78		
27 15 23 00-0210		Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0160)</small>			
27 15 23 00-0211		Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0210)</small>			
	27 15 23 00-0212	MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,868.61	462.06	
		<i>For Work In Restricted Working Space, Add</i>	231.02		
	27 15 23 00-0213	MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,194.11	462.06	
		<i>For Work In Restricted Working Space, Add</i>	231.02		
	27 15 23 00-0214	MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,910.20	462.06	
		<i>For Work In Restricted Working Space, Add</i>	231.02		
	27 15 23 00-0215	MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,251.95	462.06	
		<i>For Work In Restricted Working Space, Add</i>	231.02		
	27 15 23 00-0216	MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,580.14	462.06	
		<i>For Work In Restricted Working Space, Add</i>	231.02		
	27 15 23 00-0217	MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,870.81	519.81	
		<i>For Work In Restricted Working Space, Add</i>	259.91		
	27 15 23 00-0218	MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,370.80	519.81	
		<i>For Work In Restricted Working Space, Add</i>	259.91		
	27 15 23 00-0219	MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,346.33	519.81	
		<i>For Work In Restricted Working Space, Add</i>	259.91		
	27 15 23 00-0220	MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,665.49	519.81	
		<i>For Work In Restricted Working Space, Add</i>	259.91		
27 15 23 00-0221		50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0210)</small>			
	27 15 23 00-0222	MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,961.70	462.06	
		<i>For Work In Restricted Working Space, Add</i>	231.02		
	27 15 23 00-0223	MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,337.42	462.06	
		<i>For Work In Restricted Working Space, Add</i>	231.02		
	27 15 23 00-0224	MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,956.88	462.06	
		<i>For Work In Restricted Working Space, Add</i>	231.02		
	27 15 23 00-0225	MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,877.58	462.06	
		<i>For Work In Restricted Working Space, Add</i>	231.02		
	27 15 23 00-0226	MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,373.18	462.06	
		<i>For Work In Restricted Working Space, Add</i>	231.02		

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0227	MLF		18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,624.95 259.91	519.81
27 15 23 00-0228	MLF		24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,203.99 259.91	519.81
27 15 23 00-0229	MLF		36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,948.15 259.91	519.81
27 15 23 00-0230	MLF		48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	11,998.35 259.91	519.81
<b>27 15 23 00-0231</b>			<b>62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> (27 15 23 00-0210)		
27 15 23 00-0232	MLF		2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,021.28 231.02	462.06
27 15 23 00-0233	MLF		4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,415.78 231.02	462.06
27 15 23 00-0234	MLF		6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,066.22 231.02	462.06
27 15 23 00-0235	MLF		8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	4,032.96 231.02	462.06
27 15 23 00-0236	MLF		12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	4,553.33 231.02	462.06
27 15 23 00-0237	MLF		18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,862.88 259.91	519.81
27 15 23 00-0238	MLF		24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,520.87 259.91	519.81
27 15 23 00-0239	MLF		36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,302.24 259.91	519.81
27 15 23 00-0240	MLF		48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	12,554.95 259.91	519.81
27 15 23 00-0241			Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0159)		
27 15 23 00-0242			Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0241)		
27 15 23 00-0243			Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0242)		
27 15 23 00-0244	MLF		1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,089.68 231.02	462.06
27 15 23 00-0245	MLF		2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,094.51 231.02	462.06
27 15 23 00-0246	MLF		4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,347.69 231.02	462.06
27 15 23 00-0247	MLF		6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,377.32 851.78 5,172.73 231.02	462.06
27 15 23 00-0248	MLF		8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,526.46 231.02	462.06
27 15 23 00-0249	MLF		12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,554.36 877.95 5,544.37 231.02	462.06
27 15 23 00-0250	MLF		18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,423.15 259.91	519.81
27 15 23 00-0251	MLF		24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,381.95 -218.87 5,660.23 259.91	519.81
27 15 23 00-0252	MLF		36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,919.78 259.91	519.81
27 15 23 00-0253	MLF		48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,098.55 -556.89 6,969.56 259.91	519.81
27 15 23 00-0254	MLF		60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,553.37 259.91	519.81
27 15 23 00-0255	MLF		72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	10,106.66 259.91	519.81
27 15 23 00-0256	MLF		96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	13,334.70 259.91	519.81
<b>27 15 23 00-0257</b>			<b>50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> (27 15 23 00-0242)		
27 15 23 00-0258	MLF		1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,083.12 231.02	462.06

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	27 15 23 00-0259	MLF		2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,197.41	462.06
				<i>For Work In Restricted Working Space, Add</i>	231.02	
	27 15 23 00-0260	MLF		4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,459.20	462.06
				<i>For Work In Restricted Working Space, Add</i>	231.02	
	27 15 23 00-0261	MLF		6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,726.24	462.06
				<i>For Aluminum Armored Cable, Add</i>	829.48	
				<i>For Steel Armored Cable, Add</i>	1,162.73	
				<i>For Work In Restricted Working Space, Add</i>	231.02	
	27 15 23 00-0262	MLF		8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,982.11	462.06
				<i>For Work In Restricted Working Space, Add</i>	231.02	
	27 15 23 00-0263	MLF		12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,204.42	462.06
				<i>For Aluminum Armored Cable, Add</i>	1,064.20	
				<i>For Steel Armored Cable, Add</i>	1,442.48	
				<i>For Work In Restricted Working Space, Add</i>	231.02	
	27 15 23 00-0264	MLF		18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,738.26	519.81
				<i>For Work In Restricted Working Space, Add</i>	259.91	
	27 15 23 00-0265	MLF		24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,637.11	519.81
				<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,612.46	
				<i>For Steel Armored Cable, Add</i>	1,612.46	
				<i>For Work In Restricted Working Space, Add</i>	259.91	
	27 15 23 00-0266	MLF		36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,522.49	519.81
				<i>For Work In Restricted Working Space, Add</i>	259.91	
	27 15 23 00-0267	MLF		48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,407.87	519.81
				<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,623.58	
				<i>For Work In Restricted Working Space, Add</i>	259.91	
	27 15 23 00-0268	MLF		60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,293.25	519.81
				<i>For Work In Restricted Working Space, Add</i>	259.91	
	27 15 23 00-0269	MLF		72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,178.63	519.81
				<i>For Work In Restricted Working Space, Add</i>	259.91	
				<i>For Work In Restricted Working Space, Add</i>	259.91	
	27 15 23 00-0270	MLF		96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	15,962.86	519.81
				<i>For Work In Restricted Working Space, Add</i>	259.91	
				<i>For Aluminum Armored Cable With Sub-Units, Add</i>	3,245.05	
				<i>For Work In Restricted Working Space, Add</i>	259.91	
	<b>27 15 23 00-0271</b>			<b>62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0242)</small>		
	27 15 23 00-0272	MLF		1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,098.78	462.06
				<i>For Work In Restricted Working Space, Add</i>	231.02	
	27 15 23 00-0273	MLF		2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,218.78	462.06
				<i>For Work In Restricted Working Space, Add</i>	231.02	
	27 15 23 00-0274	MLF		4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,493.66	462.06
				<i>For Work In Restricted Working Space, Add</i>	231.02	
	27 15 23 00-0275	MLF		6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,774.04	462.06
				<i>For Work In Restricted Working Space, Add</i>	231.02	
	27 15 23 00-0276	MLF		8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,042.71	462.06
				<i>For Work In Restricted Working Space, Add</i>	231.02	
	27 15 23 00-0277	MLF		12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,276.14	462.06
				<i>For Work In Restricted Working Space, Add</i>	231.02	
	27 15 23 00-0278	MLF		18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,831.86	519.81
				<i>For Work In Restricted Working Space, Add</i>	259.91	
	27 15 23 00-0279	MLF		24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,825.65	519.81
				<i>For Work In Restricted Working Space, Add</i>	259.91	
	27 15 23 00-0280	MLF		36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,805.30	519.81
				<i>For Work In Restricted Working Space, Add</i>	259.91	
	27 15 23 00-0281	MLF		48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,784.95	519.81
				<i>For Work In Restricted Working Space, Add</i>	259.91	
	27 15 23 00-0282	MLF		60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,764.59	519.81
				<i>For Work In Restricted Working Space, Add</i>	259.91	
	27 15 23 00-0283	MLF		72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,744.24	519.81
				<i>For Work In Restricted Working Space, Add</i>	259.91	
	27 15 23 00-0284	MLF		96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,717.68	519.81
				<i>For Work In Restricted Working Space, Add</i>	259.91	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
27 15 23 00-0285		Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0241)</small>			
27 15 23 00-0286		Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0285)</small>			
27 15 23 00-0287	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,864.07		462.06
		<i>For Work In Restricted Working Space, Add</i>	231.02		
27 15 23 00-0288	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,260.10		462.06
		<i>For Work In Restricted Working Space, Add</i>	231.02		
27 15 23 00-0289	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,212.17		462.06
		<i>For Work In Restricted Working Space, Add</i>	231.02		
27 15 23 00-0290	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,145.23		462.06
		<i>For Work In Restricted Working Space, Add</i>	231.02		
27 15 23 00-0291	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,634.37		462.06
		<i>For Work In Restricted Working Space, Add</i>	231.02		
27 15 23 00-0292	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,394.26		519.81
		<i>For Work In Restricted Working Space, Add</i>	259.91		
27 15 23 00-0293	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,494.97		519.81
		<i>For Work In Restricted Working Space, Add</i>	259.91		
27 15 23 00-0294	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,300.17		519.81
		<i>For Work In Restricted Working Space, Add</i>	259.91		
27 15 23 00-0295	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,309.17		519.81
		<i>For Work In Restricted Working Space, Add</i>	259.91		
27 15 23 00-0296		50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0285)</small>			
27 15 23 00-0297	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,185.64		462.06
		<i>For Work In Restricted Working Space, Add</i>	231.02		
27 15 23 00-0298	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,891.06		462.06
		<i>For Work In Restricted Working Space, Add</i>	231.02		
27 15 23 00-0299	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,150.19		462.06
		<i>For Work In Restricted Working Space, Add</i>	231.02		
27 15 23 00-0300	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,791.92		462.06
		<i>For Work In Restricted Working Space, Add</i>	231.02		
27 15 23 00-0301	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,844.65		462.06
		<i>For Work In Restricted Working Space, Add</i>	231.02		
27 15 23 00-0302	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,188.96		519.81
		<i>For Work In Restricted Working Space, Add</i>	259.91		
27 15 23 00-0303	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,183.55		519.81
		<i>For Work In Restricted Working Space, Add</i>	259.91		
27 15 23 00-0304	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,797.90		519.81
		<i>For Work In Restricted Working Space, Add</i>	259.91		
27 15 23 00-0305	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,642.79		519.81
		<i>For Work In Restricted Working Space, Add</i>	259.91		
27 15 23 00-0306		62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0285)</small>			
27 15 23 00-0307	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,306.42		462.06
		<i>For Work In Restricted Working Space, Add</i>	231.02		
27 15 23 00-0308	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,047.11		462.06
		<i>For Work In Restricted Working Space, Add</i>	231.02		
27 15 23 00-0309	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,369.20		462.06
		<i>For Work In Restricted Working Space, Add</i>	231.02		
27 15 23 00-0310	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,043.02		462.06
		<i>For Work In Restricted Working Space, Add</i>	231.02		
27 15 23 00-0311	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,098.38		462.06
		<i>For Work In Restricted Working Space, Add</i>	231.02		
27 15 23 00-0312	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,605.09		519.81
		<i>For Work In Restricted Working Space, Add</i>	259.91		
27 15 23 00-0313	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,599.41		519.81
		<i>For Work In Restricted Working Space, Add</i>	259.91		
27 15 23 00-0314	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,344.48		519.81
		<i>For Work In Restricted Working Space, Add</i>	259.91		
27 15 23 00-0315	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,531.61		519.81
		<i>For Work In Restricted Working Space, Add</i>	259.91		
27 15 23 00-0316		Hybrid, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0001)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.			



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0317		<b>Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0316)</small>		
27 15 23 00-0318	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	1,286.88	346.54
27 15 23 00-0319	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	2,246.20	346.54
27 15 23 00-0320	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	5,296.31	404.30
27 15 23 00-0321	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	8,413.86	404.30
27 15 23 00-0322		<b>Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0316)</small>		
27 15 23 00-0323	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	1,552.27	346.54
27 15 23 00-0324	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	2,283.54	346.54
27 15 23 00-0325	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	6,307.27	404.30
27 15 23 00-0326	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	10,961.33	404.30
27 15 23 00-0327		<b>Hybrid, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0001)</small>		
Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.				
27 15 23 00-0328		<b>Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0327)</small>		
27 15 23 00-0329	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed .....	1,479.39	462.06
For Work In Restricted Working Space, Add			231.02	
27 15 23 00-0330	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed .....	2,438.71	462.06
For Work In Restricted Working Space, Add			231.02	
27 15 23 00-0331	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed .....	5,488.83	519.81
For Work In Restricted Working Space, Add			259.91	
27 15 23 00-0332	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed .....	8,606.38	519.81
For Work In Restricted Working Space, Add			259.91	
27 15 23 00-0333		<b>Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0327)</small>		
27 15 23 00-0334	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed .....	1,744.78	462.06
For Work In Restricted Working Space, Add			231.02	
27 15 23 00-0335	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed .....	2,476.05	462.06
For Work In Restricted Working Space, Add			231.02	
27 15 23 00-0336	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed .....	6,499.79	519.81
For Work In Restricted Working Space, Add			259.91	
27 15 23 00-0337	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed .....	11,153.85	519.81
For Work In Restricted Working Space, Add			259.91	
27 15 23 00-0338		<b>Outdoor Fiber Optic Cable</b> <small>(27 15 23)</small>		
Note: Cable buried in trench excludes excavation.				
27 15 23 00-0339		<b>Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0338)</small>		
Note: Excludes conduit or innerduct.				
27 15 23 00-0340		<b>Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0339)</small>		
27 15 23 00-0341		<b>Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0340)</small>		
27 15 23 00-0342	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit .....	1,674.90	693.08
For Corrugated Coated Steel Tape Armored Cable, Add			253.89	
27 15 23 00-0343	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit .....	1,706.51	693.08
For Corrugated Coated Steel Tape Armored Cable, Add			255.99	
27 15 23 00-0344	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit .....	1,738.16	693.08
For Corrugated Coated Steel Tape Armored Cable, Add			258.02	
27 15 23 00-0345	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit .....	1,769.79	693.08
For Corrugated Coated Steel Tape Armored Cable, Add			260.50	
27 15 23 00-0346	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit .....	1,832.64	693.08
For Corrugated Coated Steel Tape Armored Cable, Add			235.71	
27 15 23 00-0347	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit .....	1,961.20	693.08
For Corrugated Coated Steel Tape Armored Cable, Add			262.62	
27 15 23 00-0348	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit .....	2,027.29	693.08
For Corrugated Coated Steel Tape Armored Cable, Add			206.74	
27 15 23 00-0349	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit .....	2,047.68	693.08
For Corrugated Coated Steel Tape Armored Cable, Add			241.65	
27 15 23 00-0350	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit .....	2,425.89	693.08
For Corrugated Coated Steel Tape Armored Cable, Add			265.86	

## 27 Communications

## 27 10 Structured Cabling

## 27 15 Communications Horizontal Cabling

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0351	MLF		60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,634.40 265.83	693.08
27 15 23 00-0352	MLF		72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,904.94 314.19	693.08
27 15 23 00-0353	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,381.20 301.65	693.08
27 15 23 00-0354	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,901.59 366.30	693.08
27 15 23 00-0355	MLF		144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,446.23 245.20	693.08
<b>27 15 23 00-0356</b>			<b>50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0340)</small>		
27 15 23 00-0357	MLF		2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,969.14 44.00	693.08
27 15 23 00-0358	MLF		4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,015.34 74.80	693.08
27 15 23 00-0359	MLF		6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,112.14 121.00	693.08
27 15 23 00-0360	MLF		8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,244.14 22.00	693.08
27 15 23 00-0361	MLF		12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,299.14 44.00	693.08
27 15 23 00-0362	MLF		18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,486.14 66.00	693.08
27 15 23 00-0363	MLF		24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,882.14 44.00	693.08
27 15 23 00-0364	MLF		36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,465.14 132.00	693.08
27 15 23 00-0365	MLF		48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,114.14 44.00	693.08
27 15 23 00-0366	MLF		60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,565.14 132.00	693.08
27 15 23 00-0367	MLF		72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,148.14 517.00	693.08
27 15 23 00-0368	MLF		96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,501.14 176.00	693.08
27 15 23 00-0369	MLF		120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,843.14 209.00	693.08
27 15 23 00-0370	MLF		144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,185.14 253.00	693.08
<b>27 15 23 00-0371</b>			<b>62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0340)</small>		
27 15 23 00-0372	MLF		2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,455.59 108.57	693.08
27 15 23 00-0373	MLF		4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,559.97 116.43	693.08
27 15 23 00-0374	MLF		6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,664.19 124.10	693.08
27 15 23 00-0375	MLF		8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,792.95 141.28	693.08
27 15 23 00-0376	MLF		12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,977.34 147.32	693.08
27 15 23 00-0377	MLF		18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,303.34 157.01	693.08
27 15 23 00-0378	MLF		24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,612.15 180.56	693.08
27 15 23 00-0379	MLF		36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,203.18 200.65	693.08
27 15 23 00-0380	MLF		48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,894.46 230.71	693.08
27 15 23 00-0381	MLF		60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,532.95 248.25	693.08
27 15 23 00-0382	MLF		72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,206.85 280.98	693.08
27 15 23 00-0383	MLF		96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,569.83 315.93	693.08
27 15 23 00-0384	MLF		120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,954.69 358.54	693.08
27 15 23 00-0385	MLF		144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,360.92 329.34	693.08
<b>27 15 23 00-0386</b>			<b>Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0339)</small>		
<b>27 15 23 00-0387</b>			<b>Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0386)</small>		
27 15 23 00-0388	MLF		2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,855.91 200.63	693.08
27 15 23 00-0389	MLF		4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,917.55 287.97	693.08
27 15 23 00-0390	MLF		6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,936.05 275.98	693.08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0391 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,009.88 229.74	693.08
27 15 23 00-0392 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,032.92 274.58	693.08
27 15 23 00-0393 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,136.40 260.42	693.08
27 15 23 00-0394 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,229.17 263.51	693.08
27 15 23 00-0395 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,377.18 334.16	693.08
27 15 23 00-0396 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,585.69 338.52	693.08
27 15 23 00-0397 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,793.40 350.70	693.08
27 15 23 00-0398 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,075.00 301.66	693.08
27 15 23 00-0399 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,530.49 393.42	693.08
27 15 23 00-0400 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,126.40 387.39	693.08
27 15 23 00-0401 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,614.05 309.44	693.08
<b>27 15 23 00-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0386)</small>		
27 15 23 00-0403 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,063.70 283.92	693.08
27 15 23 00-0404 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,279.48 159.00	693.08
27 15 23 00-0405 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,563.41 34.07	693.08
27 15 23 00-0406 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,699.69 56.78	693.08
27 15 23 00-0407 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,835.98 56.78	693.08
27 15 23 00-0408 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,153.97 68.14	693.08
27 15 23 00-0409 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,437.90 261.21	693.08
27 15 23 00-0410 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,051.18 511.06	693.08
27 15 23 00-0411 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,664.45 851.78	693.08
27 15 23 00-0412 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,175.52 936.95	693.08
27 15 23 00-0413 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,845.58 1,192.48	693.08
27 15 23 00-0414 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,242.49 1,760.34	693.08
27 15 23 00-0415 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,946.63 1,328.77	693.08
27 15 23 00-0416 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,752.39 3,236.74	693.08
<b>27 15 23 00-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0386)</small>		
27 15 23 00-0418 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,526.07 136.28	693.08
27 15 23 00-0419 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,628.29 147.32	693.08
27 15 23 00-0420 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,730.33 158.35	693.08
27 15 23 00-0421 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,832.54 169.36	693.08
27 15 23 00-0422 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,097.32 182.17	693.08
27 15 23 00-0423 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,356.95 213.47	693.08
27 15 23 00-0424 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,675.09 231.86	693.08
27 15 23 00-0425 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,290.88 286.48	693.08
27 15 23 00-0426 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,918.18 328.23	693.08
27 15 23 00-0427 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,547.65 365.50	693.08
27 15 23 00-0428 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,209.52 407.59	693.08
27 15 23 00-0429 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,552.63 480.60	693.08
27 15 23 00-0430 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,286.20 496.83	693.08
27 15 23 00-0431 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,302.14 512.88	693.08

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0432			<b>Outdoor Fiber Optic Cable, Buried In Trench</b> (27 15 23 00-0338) Note: Excludes trenching.		
27 15 23 00-0433			<b>Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> (27 15 23 00-0432)		
27 15 23 00-0434			<b>Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> (27 15 23 00-0433)		
27 15 23 00-0435	MLF		2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,578.63	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	253.89	
27 15 23 00-0436	MLF		4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,610.24	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	255.99	
27 15 23 00-0437	MLF		6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,641.89	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	258.02	
27 15 23 00-0438	MLF		8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,673.52	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	260.50	
27 15 23 00-0439	MLF		12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,736.37	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	235.71	
27 15 23 00-0440	MLF		18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,864.93	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	262.62	
27 15 23 00-0441	MLF		24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,931.02	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	206.74	
27 15 23 00-0442	MLF		36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,951.41	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	241.65	
27 15 23 00-0443	MLF		48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,329.62	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	265.86	
27 15 23 00-0444	MLF		60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,803.96	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	265.83	
27 15 23 00-0445	MLF		72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,122.86	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	314.19	
27 15 23 00-0446	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,284.93	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	301.65	
27 15 23 00-0447	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,805.32	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	366.30	
27 15 23 00-0448	MLF		144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	4,349.96	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	245.20	
27 15 23 00-0449			<b>50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> (27 15 23 00-0433)		
27 15 23 00-0450	MLF		2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,872.87	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	44.00	
27 15 23 00-0451	MLF		4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,919.07	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	74.80	
27 15 23 00-0452	MLF		6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,015.87	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	121.00	
27 15 23 00-0453	MLF		8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,147.87	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	22.00	
27 15 23 00-0454	MLF		12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,202.87	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	44.00	
27 15 23 00-0455	MLF		18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,389.87	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	66.00	
27 15 23 00-0456	MLF		24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,785.87	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	44.00	
27 15 23 00-0457	MLF		36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,368.87	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	132.00	
27 15 23 00-0458	MLF		48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	4,017.87	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	44.00	
27 15 23 00-0459	MLF		60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	4,468.87	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	132.00	
27 15 23 00-0460	MLF		72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	5,051.87	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	517.00	
27 15 23 00-0461	MLF		96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	6,404.87	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	176.00	
27 15 23 00-0462	MLF		120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	7,746.87	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	209.00	
27 15 23 00-0463	MLF		144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	9,088.87	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	253.00	
27 15 23 00-0464			<b>62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> (27 15 23 00-0433)		
27 15 23 00-0465	MLF		2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,359.32	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	108.57	
27 15 23 00-0466	MLF		4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,463.70	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	116.43	
27 15 23 00-0467	MLF		6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,567.92	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	124.10	
27 15 23 00-0468	MLF		8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,696.68	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	141.28	
27 15 23 00-0469	MLF		12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,881.07	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	147.32	
27 15 23 00-0470	MLF		18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,207.07	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	157.01	
27 15 23 00-0471	MLF		24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,515.88	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	180.56	
27 15 23 00-0472	MLF		36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,106.91	
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	200.65	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0473	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,798.19
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	230.71
27 15 23 00-0474	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,436.68
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	248.25
27 15 23 00-0475	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,110.58
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	280.98
27 15 23 00-0476	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,473.56
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	315.93
27 15 23 00-0477	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,858.42
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	358.54
27 15 23 00-0478	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,264.65
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	329.34

**27 15 23 00-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench** <sup>(27 15 23 00-0432)</sup>

**27 15 23 00-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench** <sup>(27 15 23 00-0479)</sup>

27 15 23 00-0481	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,759.64
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	200.63
27 15 23 00-0482	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,821.28
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	287.97
27 15 23 00-0483	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,839.78
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	275.98
27 15 23 00-0484	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,913.61
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	229.74
27 15 23 00-0485	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,936.65
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	274.58
27 15 23 00-0486	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,040.13
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	260.42
27 15 23 00-0487	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,132.90
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	263.51
27 15 23 00-0488	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,280.91
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	334.16
27 15 23 00-0489	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,489.42
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	338.52
27 15 23 00-0490	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,697.13
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	350.70
27 15 23 00-0491	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,978.73
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	301.66
27 15 23 00-0492	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,434.22
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	393.42
27 15 23 00-0493	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,030.13
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	387.39
27 15 23 00-0494	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,517.78
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	309.44

**27 15 23 00-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench** <sup>(27 15 23 00-0479)</sup>

27 15 23 00-0496	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,967.43
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	283.92
27 15 23 00-0497	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,183.21
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	159.00
27 15 23 00-0498	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,467.14
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	34.07
27 15 23 00-0499	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,603.42
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	56.78
27 15 23 00-0500	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,739.71
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	56.78
27 15 23 00-0501	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,057.70
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	68.14
27 15 23 00-0502	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,341.63
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	261.21
27 15 23 00-0503	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,954.91
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	511.06
27 15 23 00-0504	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,568.18
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	851.78
27 15 23 00-0505	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,079.25
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	936.95
27 15 23 00-0506	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,749.31
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,192.48
27 15 23 00-0507	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,146.22
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,760.34
27 15 23 00-0508	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,850.36
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,328.77
27 15 23 00-0509	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,656.12
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,236.74

**27 15 23 00-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench** <sup>(27 15 23 00-0479)</sup>

27 15 23 00-0511	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,429.80
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	136.28
27 15 23 00-0512	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,532.02
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	147.32

## 27 Communications

## 27 10 Structured Cabling

## 27 15 Communications Horizontal Cabling

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0513	MLF		6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,634.06 158.35	
27 15 23 00-0514	MLF		8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,736.27 169.36	
27 15 23 00-0515	MLF		12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,001.05 182.17	
27 15 23 00-0516	MLF		18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,260.68 213.47	
27 15 23 00-0517	MLF		24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,578.82 231.86	
27 15 23 00-0518	MLF		36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,194.61 286.48	
27 15 23 00-0519	MLF		48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,821.91 328.23	
27 15 23 00-0520	MLF		60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,451.38 365.50	
27 15 23 00-0521	MLF		72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,113.25 407.59	
27 15 23 00-0522	MLF		96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,456.36 480.60	
27 15 23 00-0523	MLF		120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,887.31 496.83	
27 15 23 00-0524	MLF		144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,205.87 512.88	
27 15 23 00-0525			(Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 15 23 00-0338)</small>		
27 15 23 00-0526			Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 15 23 00-0525)</small>		
27 15 23 00-0527			Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 15 23 00-0526)</small>		
27 15 23 00-0528	MLF		2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,905.76 169.81	2,674.12
27 15 23 00-0529	MLF		4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,937.16 174.20	2,674.12
27 15 23 00-0530	MLF		6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,968.98 178.49	2,674.12
27 15 23 00-0531	MLF		8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,000.40 175.07	2,674.12
27 15 23 00-0532	MLF		12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,063.23 204.10	2,674.12
27 15 23 00-0533	MLF		18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,187.32 212.18	2,674.12
27 15 23 00-0534	MLF		24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,281.96 234.52	2,674.12
27 15 23 00-0535	MLF		36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,506.96 224.87	2,674.12
27 15 23 00-0536	MLF		48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,703.73 261.25	2,674.12
27 15 23 00-0537	MLF		60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,866.40 250.51	2,674.12
27 15 23 00-0538	MLF		72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,069.32 286.41	2,674.12
27 15 23 00-0539	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,601.88 290.90	2,674.12
27 15 23 00-0540	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,173.26 347.12	2,674.12
27 15 23 00-0541	MLF		144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,310.24 372.73	2,674.12
27 15 23 00-0542			Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0338)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0543			Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0542)</small>		
27 15 23 00-0544	MLF		12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	3,349.02	577.57
27 15 23 00-0545	MLF		24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	4,268.49	577.57
27 15 23 00-0546	MLF		48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	6,316.76	577.57
27 15 23 00-0547			Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0542)</small>		
27 15 23 00-0548	MLF		12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	4,521.76	577.57
27 15 23 00-0549	MLF		24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	5,044.29	577.57
27 15 23 00-0550	MLF		48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	7,329.95	577.57
27 15 23 00-0551			Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0338)</small> Note: Singlemode and multimode combination cable. Excludes trenching.		

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0552	<b>Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0551)</small>		
27 15 23 00-0553	MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,252.75	529.43
27 15 23 00-0554	MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,172.22	529.43
27 15 23 00-0555	MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	6,220.49	529.43
27 15 23 00-0556	<b>Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0551)</small>		
27 15 23 00-0557	MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,425.49	529.43
27 15 23 00-0558	MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,948.02	529.43
27 15 23 00-0559	MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	7,233.68	529.43
27 15 23 00-0560	<b>Indoor/Outdoor Fiber Optic Cable</b> <small>(27 15 23 00-0560)</small>		
27 15 23 00-0561	<b>Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0560)</small> Note: Excludes conduit or innerduct.		
27 15 23 00-0562	<b>Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0561)</small>		
27 15 23 00-0563	<b>Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0562)</small>		
27 15 23 00-0564	MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	1,035.99	346.54
27 15 23 00-0565	MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	1,116.20	346.54
27 15 23 00-0566	MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	1,162.33	346.54
27 15 23 00-0567	MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	1,315.37	346.54
27 15 23 00-0568	MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	1,352.27	346.54
27 15 23 00-0569	MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	1,473.49	346.54
27 15 23 00-0570	MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	3,195.14	404.30
27 15 23 00-0571	MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	4,015.25	404.30
27 15 23 00-0572	MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	5,408.10	404.30
27 15 23 00-0573	MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	5,647.12	404.30
27 15 23 00-0574	MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	6,480.48	404.30
27 15 23 00-0575	MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	7,222.05	404.30
27 15 23 00-0576	MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	8,356.62	404.30
27 15 23 00-0577	MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	1,425.65	346.54
27 15 23 00-0578	MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	1,574.03	346.54
27 15 23 00-0579	MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	1,659.38	346.54
27 15 23 00-0580	MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	1,942.49	346.54
27 15 23 00-0581	MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	2,010.76	346.54
27 15 23 00-0582	MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	2,235.02	346.54
27 15 23 00-0583	MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	5,338.25	404.30
27 15 23 00-0584	MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	6,855.46	404.30
27 15 23 00-0585	MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	9,432.22	404.30
27 15 23 00-0586	MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	9,874.41	404.30
27 15 23 00-0587	MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	11,416.13	404.30
27 15 23 00-0588	MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	12,788.03	404.30
27 15 23 00-0589	MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	14,886.99	404.30
27 15 23 00-0590	<b>Indoor/Outdoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0590)</small> Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0591	<b>Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0591)</small>		
27 15 23 00-0592	<b>Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0591)</small>		
27 15 23 00-0593	MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,228.50 231.02	462.06
27 15 23 00-0594	MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,308.71 231.02	462.06

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0595	MLF		4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,354.84 231.02	462.06
27 15 23 00-0596	MLF		6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,507.88 231.02	462.06
27 15 23 00-0597	MLF		8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,544.78 231.02	462.06
27 15 23 00-0598	MLF		12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,666.00 231.02	462.06
27 15 23 00-0599	MLF		18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,387.66 259.91	519.81
27 15 23 00-0600	MLF		24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	4,207.77 259.91	519.81
27 15 23 00-0601	MLF		36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,600.62 259.91	519.81
27 15 23 00-0602	MLF		48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,839.64 259.91	519.81
27 15 23 00-0603	MLF		60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,673.00 259.91	519.81
27 15 23 00-0604	MLF		72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,414.57 259.91	519.81
27 15 23 00-0605	MLF		96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,549.14 259.91	519.81
27 15 23 00-0606	MLF		1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,618.16 231.02	462.06
27 15 23 00-0607	MLF		2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,766.54 231.02	462.06
27 15 23 00-0608	MLF		4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,851.89 231.02	462.06
27 15 23 00-0609	MLF		6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,135.00 231.02	462.06
27 15 23 00-0610	MLF		8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,203.27 231.02	462.06
27 15 23 00-0611	MLF		12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,427.53 231.02	462.06
27 15 23 00-0612	MLF		18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,530.77 259.91	519.81
27 15 23 00-0613	MLF		24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,047.98 259.91	519.81
27 15 23 00-0614	MLF		36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,624.74 259.91	519.81
27 15 23 00-0615	MLF		48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	10,066.93 259.91	519.81
27 15 23 00-0616	MLF		60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	11,608.65 259.91	519.81
27 15 23 00-0617	MLF		72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	12,980.55 259.91	519.81
27 15 23 00-0618	MLF		96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	15,079.51 259.91	519.81

**27 15 33 Communications Coaxial Horizontal Cabling (27 15)**

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 33 00-0001			<b>Indoor Coaxial Cable (27 15 33)</b>		
27 15 33 00-0002			<b>Coaxial, Indoor Telecommunications Cable (27 15 33 00-0001)</b>		
27 15 33 00-0003			<b>Coaxial, Indoor Telecommunications Cable, Installed In Conduit (27 15 33 00-0002)</b>		
27 15 33 00-0004	MLF		RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	1,147.60	404.30
27 15 33 00-0005	MLF		RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	2,498.93	404.30
27 15 33 00-0006	MLF		RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	998.22	462.06
27 15 33 00-0007	MLF		RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120).....	3,127.51	462.06
27 15 33 00-0008			<b>Coaxial, Indoor Telecommunications Cable, Installed Exposed (27 15 33 00-0002)</b>		
27 15 33 00-0009	MLF		RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)..... <i>For Work In Restricted Working Space, Add</i>	1,821.42 404.30	808.59
27 15 33 00-0010	MLF		RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)..... <i>For Work In Restricted Working Space, Add</i>	3,172.75 404.30	808.59
27 15 33 00-0011	MLF		RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)..... <i>For Work In Restricted Working Space, Add</i>	1,768.32 462.05	924.10
27 15 33 00-0012	MLF		RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)..... <i>For Work In Restricted Working Space, Add</i>	3,897.61 462.05	924.10



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**27 15 33 00-0013 Coaxial Distribution Cable** (27 15 33 00-0001)  
 Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal

27 15 33 00-0014	MLF		RG-6/U Coaxial Distribution Cable, In Conduit .....	1,796.61	281.38
27 15 33 00-0015	MLF		RG-6A/U Coaxial Distribution Cable, In Conduit .....	6,342.34	281.38
27 15 33 00-0016	MLF		RG-8/U Coaxial Distribution Cable, In Conduit .....	3,401.34	297.21
27 15 33 00-0017	MLF		RG-8A/U Coaxial Distribution Cable, In Conduit .....	4,255.22	297.21
27 15 33 00-0018	MLF		RG-11/U Coaxial Distribution Cable, In Conduit .....	3,819.63	351.72
27 15 33 00-0019	MLF		RG-11A/U Coaxial Distribution Cable, In Conduit .....	5,470.97	351.72
27 15 33 00-0020	MLF		RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed .....	11,726.53	492.41
27 15 33 00-0021	MLF		RG-58/U Coaxial Distribution Cable, In Conduit .....	1,340.50	246.21
27 15 33 00-0022	MLF		RG-58A/U Coaxial Distribution Cable, In Conduit .....	1,509.71	246.21
27 15 33 00-0023	MLF		RG-58C/U Coaxial Distribution Cable, In Conduit .....	1,807.77	246.21
27 15 33 00-0024	MLF		RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed .....	4,370.19	492.41
27 15 33 00-0025	MLF		RG-59/U Coaxial Distribution Cable, In Conduit .....	2,131.00	246.21
27 15 33 00-0026	MLF		RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed .....	5,257.04	492.41
27 15 33 00-0027	MLF		1/2" Hard Line Coaxial, In Conduit .....	1,842.87	351.72

**27 15 33 00-0028 Outdoor Coaxial Cable** (27 15 33)

**27 15 33 00-0029 Coaxial Cables "Television" Copper Covered Aluminum Center Core** (27 15 33 00-0029)  
 Note: Corrugated steel armor jacket.

27 15 33 00-0030	MLF		TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial .....	5,172.71	1,316.51
27 15 33 00-0031	MLF		TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial .....	3,280.15	926.01
27 15 33 00-0032	MLF		TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial .....	2,725.05	546.32
27 15 33 00-0033	MLF		TV Coaxial Cable Drop 1/4" Diameter, Direct Burial .....	1,539.80	546.32
27 15 33 00-0034	MLF		1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit .....	2,308.11	853.64

**27 15 43 Communications Faceplates and Connectors** (27 15)

**27 15 43 00-0001 Wall Mounted Telephone Faceplates** (27 15 43)  
 Note: Includes standard telephone mounting studs.

**27 15 43 00-0002 Plastic Faceplates For Wall Mounted Telephones** (27 15 43 00-0001)

27 15 43 00-0003	EA		Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones .....	33.09	12.03
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**27 15 43 00-0004 Stainless Steel Faceplates For Wall Mounted Telephones** (27 15 43 00-0001)

27 15 43 00-0005	EA		Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones .....	26.51	4.81
Note: Requires one snap-in modular jack.					
27 15 43 00-0006	EA		Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones .....	46.87	12.03
27 15 43 00-0007	EA		Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones .....	54.64	14.44
27 15 43 00-0008	EA		Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones .....	25.52	4.81
Note: Requires one snap-in modular jack.					
27 15 43 00-0009	EA		Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones .....	42.70	12.03
27 15 43 00-0010	EA		Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones .....	50.58	14.44

**27 15 43 00-0011 Plastic Communications Faceplates** (27 15 43)  
 Note: Excludes modular jacks. See CSI section 27 15 43 00-0056 for modular jacks.

27 15 43 00-0012	EA		One Port, Single Gang, Plastic Communication Faceplate With Station ID .....	7.53	2.41
27 15 43 00-0013	EA		Two Port, Single Gang, Plastic Communication Faceplate With Station ID .....	7.53	2.41
27 15 43 00-0014	EA		Three Port, Single Gang, Plastic Communication Faceplate With Station ID .....	7.53	2.41
27 15 43 00-0015	EA		Four Port, Single Gang, Plastic Communication Faceplate With Station ID .....	7.53	2.41
27 15 43 00-0016	EA		Six Port, Single Gang, Plastic Communication Faceplate With Station ID .....	7.53	2.41
27 15 43 00-0017	EA		Four Port, Double Gang, Plastic Communications Faceplate With Station ID .....	12.38	2.41
27 15 43 00-0018	EA		Six Port, Double Gang, Plastic Communication Faceplate With Station ID .....	12.38	2.41
27 15 43 00-0019	EA		Eight Port, Double Gang, Plastic Communication Faceplate With Station ID .....	12.38	2.41
27 15 43 00-0020	EA		Nine Port, Double Gang, Plastic Communication Faceplate With Station ID .....	12.38	2.41
27 15 43 00-0021	EA		Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID .....	12.38	2.41

**27 15 43 00-0022 Stainless Steel Communications Faceplates** (27 15 43)  
 Note: Excludes modular jacks. See CSI section 27 15 43 00-0056 for modular jacks.

**27 15 43 00-0023 Stainless Steel Communications Faceplates** (27 15 43 00-0022)

27 15 43 00-0024	EA		One Port, Single Gang, Stainless Steel Communications Faceplate .....	14.10	2.41
27 15 43 00-0025	EA		Two Port, Single Gang, Stainless Steel Communications Faceplate .....	14.10	2.41
27 15 43 00-0026	EA		Three Port, Single Gang, Stainless Steel Communications Faceplate .....	14.10	2.41
27 15 43 00-0027	EA		Four Port, Single Gang, Stainless Steel Communications Faceplate .....	15.07	2.41
27 15 43 00-0028	EA		Six Port, Single Gang, Stainless Steel Communications Faceplate .....	15.07	2.41
27 15 43 00-0029	EA		Four Port, Double Gang, Stainless Steel Communications Faceplate .....	20.25	2.41
27 15 43 00-0030	EA		Six Port, Double Gang, Stainless Steel Communications Faceplate .....	20.86	2.41
27 15 43 00-0031	EA		Eight Port, Double Gang, Stainless Steel Communications Faceplate .....	24.11	2.41
27 15 43 00-0032	EA		Nine Port, Double Gang, Stainless Steel Communication Faceplate .....	24.11	2.41
27 15 43 00-0033	EA		Twelve Port, Double Gang, Stainless Steel Communications Faceplate .....	24.11	2.41

**27 15 43 00-0034 Stainless Steel Communications Faceplates With Station ID** (27 15 43 00-0022)

27 15 43 00-0035	EA		One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID .....	20.13	2.41
27 15 43 00-0036	EA		Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID .....	20.13	2.41
27 15 43 00-0037	EA		Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID .....	20.13	2.41
27 15 43 00-0038	EA		Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID .....	20.13	2.41
27 15 43 00-0039	EA		Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID .....	20.13	2.41

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
27 15 43 00-0040	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID .....	43.16		2.41
27 15 43 00-0041	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID .....	43.16		2.41
27 15 43 00-0042	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID .....	43.16		2.41
27 15 43 00-0043	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID .....	43.16		2.41
27 15 43 00-0044	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID .....	43.16		2.41
<b>27 15 43 00-0045</b>		<b>Industrial Stainless Steel Communications Faceplates (Leviton® Duraport®)</b> (27 15 43 00-0022)			
		Note: For twist-lock connector housings. Includes over-molded gasket and mounting holes with embedded sealing. Excludes connector housings.			
27 15 43 00-0046	EA	One Port, Single Gang, Stainless Steel Communications Faceplate (Leviton® Duraport®) .....	30.79		2.41
27 15 43 00-0047	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate (Leviton® Duraport®) .....	30.79		2.41
27 15 43 00-0048	EA	Two Port, Double Gang, Stainless Steel Communications Faceplate (Leviton® Duraport®) .....	33.58		2.41
27 15 43 00-0049	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate (Leviton® Duraport®) .....	33.58		2.41
<b>27 15 43 00-0050</b>		<b>Surface Mount Plastic Communication Boxes</b> (27 15 43)			
		Note: Excludes modular jacks. See CSI section 27 15 43 00-0056 for modular jacks.			
27 15 43 00-0051	EA	One Port, Surface Mount Plastic Communication Box With Station ID .....	27.56		12.06
27 15 43 00-0052	EA	Two Port, Surface Mount Plastic Communication Box With Station ID .....	28.16		12.06
27 15 43 00-0053	EA	Four Port, Surface Mount Plastic Communication Box With Station ID .....	32.32		12.06
27 15 43 00-0054	EA	Six Port, Surface Mount Plastic Communication Box With Station ID .....	37.26		12.06
27 15 43 00-0055	EA	Twelve Port, Surface Mount Plastic Communication Box With Station ID .....	42.45		12.06
<b>27 15 43 00-0056</b>		<b>Snap-In Modular Jacks</b> (27 15 43)			
		Note: Includes termination.			
27 15 43 00-0057	EA	Cat 3, Snap-In Modular Jack .....	26.16		9.65
27 15 43 00-0058	EA	Cat 5E, Snap-In Modular Jack .....	27.49		9.65
27 15 43 00-0059	EA	Cat 5E Shielded, Snap-In Modular Jack .....	31.47		9.65
27 15 43 00-0060	EA	Cat 6, Snap-In Modular Jack .....	31.47		9.65
27 15 43 00-0061	EA	Cat 6 Shielded, Snap-In Modular Jack .....	35.93		9.65
27 15 43 00-0062	EA	Cat 6A, Snap-In Modular Jack .....	36.60		9.65
27 15 43 00-0063	EA	Voice, RJ-11, Snap-In Modular Jack .....	18.32		4.82
27 15 43 00-0064	EA	SC Type Fiber Optic, Snap-In Modular Jack .....	29.18		9.65
27 15 43 00-0065	EA	ST Type Fiber Optic, Snap-In Modular Jack .....	32.55		9.65
27 15 43 00-0066	EA	LC Type Fiber Optic, Snap-In Modular Jack .....	39.18		9.65
27 15 43 00-0067	EA	Blank Fill In, Snap-In Modular Jack .....	5.45		2.41
27 15 43 00-0068	EA	Open Cable Pass Through Insert, Snap-In Modular Jack .....	6.35		2.41
27 15 43 00-0069	EA	Coaxial F-Type Coupler, Snap-In Modular Jack .....	21.82		7.23
		Note: Includes female to female connection.			
		<i>For Gold Bulkhead, Add</i>	1.29		
27 15 43 00-0070	EA	RCA Jack Pass-Through Coupler, Snap-In Modular Jack .....	22.07		7.23
		Note: Includes female to female connection.			
27 15 43 00-0071	EA	RCA Solder Coupler, Snap-In Modular Jack .....	44.26		9.65
27 15 43 00-0072	EA	RCA Jack With 110 Punch Down, Snap-In Modular Jack .....	54.02		9.65
27 15 43 00-0073	EA	3.5 m Mini Stereo Jack, Snap-In Modular Jack .....	27.13		9.65
27 15 43 00-0074	EA	MT-RJ Pass-Through Coupler, Snap-In Modular Jack .....	28.31		4.82
27 15 43 00-0075	EA	BNC Connector, Snap-In Modular Jack .....	31.11		9.65
27 15 43 00-0076	EA	S-Video With 110 Punch Down, Snap-In Modular Jack .....	34.72		9.65
27 15 43 00-0077	PR	Speaker Connectors, Snap-In Modular Jack .....	47.38		14.47
		Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.			
27 15 43 00-0078	EA	USB Audio Video Connector, Snap-In Modular Jack .....	51.36		9.65
<b>27 15 43 00-0079</b>		<b>Twist-Lock Industrial Connector Housings (Leviton® Duraport®)</b> (27 15 43)			
		Note: Includes jack, connector cap and termination.			
27 15 43 00-0080	EA	Cat 5E, Twist-Lock Industrial Connector Housing (Leviton® Duraport®) .....	85.59		9.65
27 15 43 00-0081	EA	Cat 6, Twist-Lock Industrial Connector Housing (Leviton® Duraport®) .....	100.12		9.65
<b>27 15 53</b>		<b>Communications Cable Innerduct</b> (27 15)			
		Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.			
<b>27 15 53 00-0001</b>		<b>Indoor Innerduct</b> (27 15 53)			
<b>27 15 53 00-0002</b>		<b>Indoor Innerduct, Installed In Conduit</b> (27 15 53 00-0001)			
<b>27 15 53 00-0003</b>		<b>Riser Rated, Indoor Innerduct, Installed In Conduit</b> (27 15 53 00-0002)			
27 15 53 00-0004	MLF	1" Riser Rated, Indoor Innerduct, Installed In Conduit .....	3,713.71		1,443.92
27 15 53 00-0005	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit .....	4,816.90		1,925.22
27 15 53 00-0006	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit .....	6,376.97		2,406.53
27 15 53 00-0007	MLF	2" Riser Rated, Indoor Innerduct, Installed In Conduit .....	7,462.58		2,887.83
<b>27 15 53 00-0008</b>		<b>Plenum Rated, Indoor Innerduct, Installed In Conduit</b> (27 15 53 00-0002)			
27 15 53 00-0009	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit .....	5,327.37		962.61
27 15 53 00-0010	MLF	1" Plenum Rated, Indoor Innerduct, Installed In Conduit .....	5,975.17		1,443.92
27 15 53 00-0011	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit .....	7,568.38		1,925.22
27 15 53 00-0012	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit .....	9,713.38		2,406.53
27 15 53 00-0013	MLF	2" Plenum Rated, Indoor Innerduct, Installed In Conduit .....	11,687.59		2,887.83
<b>27 15 53 00-0014</b>		<b>Indoor Innerduct, Installed Exposed</b> (27 15 53 00-0001)			

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>27 15 53 00-0015</b>	<b>Riser Rated, Indoor Innerduct, Installed Exposed</b> <small>(27 15 53 00-0014)</small>		
27 15 53 00-0016	MLF 1" Riser Rated, Indoor Innerduct, Installed Exposed.....	4,676.32	1,925.22
	<i>For Work In Restricted Working Space, Add</i>	1,155.13	
27 15 53 00-0017	MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed .....	5,779.52	2,406.53
	<i>For Work In Restricted Working Space, Add</i>	1,443.92	
27 15 53 00-0018	MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed .....	7,339.58	2,887.83
	<i>For Work In Restricted Working Space, Add</i>	1,732.70	
27 15 53 00-0019	MLF 2" Riser Rated, Indoor Innerduct, Installed Exposed.....	8,425.18	3,369.14
	<i>For Work In Restricted Working Space, Add</i>	2,021.48	

<b>27 15 53 00-0020</b>	<b>Plenum Rated, Indoor Innerduct, Installed Exposed</b> <small>(27 15 53 00-0014)</small>		
27 15 53 00-0021	MLF 3/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	6,289.98	1,443.92
27 15 53 00-0022	MLF 1" Plenum Rated, Indoor Innerduct, Installed Exposed.....	6,937.78	1,925.22
	<i>For Work In Restricted Working Space, Add</i>	1,155.13	
27 15 53 00-0023	MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	8,531.00	2,406.53
	<i>For Work In Restricted Working Space, Add</i>	1,443.92	
27 15 53 00-0024	MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	10,675.99	2,887.83
	<i>For Work In Restricted Working Space, Add</i>	1,732.70	
27 15 53 00-0025	MLF 2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	12,650.19	3,369.14
	<i>For Work In Restricted Working Space, Add</i>	2,021.48	

**27 15 53 00-0026 Outdoor Innerduct** (27 15 53)

<b>27 15 53 00-0027</b>	<b>Outdoor Innerduct, Installed In Conduit</b> <small>(27 15 53 00-0026)</small>		
27 15 53 00-0028	MLF 1" Outdoor Innerduct, Installed In Conduit .....	3,502.85	1,443.92
27 15 53 00-0029	MLF 1-1/4" Outdoor Innerduct, Installed In Conduit .....	4,505.95	1,925.22
27 15 53 00-0030	MLF 1-1/2" Outdoor Innerduct, Installed In Conduit .....	5,748.24	2,406.53
27 15 53 00-0031	MLF 2" Outdoor Innerduct, Installed In Conduit .....	6,867.59	2,887.83

**27 15 53 00-0032 Outdoor Innerduct, Buried In Trench** (27 15 53 00-0026)

27 15 53 00-0033	MLF 1" Outdoor Innerduct, Buried In Trench .....	2,540.24	
27 15 53 00-0034	MLF 1-1/4" Outdoor Innerduct, Buried In Trench .....	3,543.34	
27 15 53 00-0035	MLF 1-1/2" Outdoor Innerduct, Buried In Trench .....	4,785.62	
27 15 53 00-0036	MLF 2" Outdoor Innerduct, Buried In Trench .....	5,904.98	

**27 16 Communications Connecting Cords, Devices, and Adapters** (27 16 10)

**27 16 16 Communications Media Converters, Adapters, and Transceivers** (27 16 16)

<b>27 16 16 00-0001</b>	<b>Fiber Optic Receivers</b> <small>(27 16 16)</small>		
27 16 16 00-0002	EA Fiber Optic Receiver, Range 6.2 Miles .....	777.80	48.13
<b>27 16 16 00-0003</b>	<b>Fiber Optic Transmitters</b> <small>(27 16 16)</small>		
27 16 16 00-0004	EA Fiber Optic Transmitter, Range 6.2 Miles.....	777.79	48.13
<b>27 16 16 00-0005</b>	<b>Fiber Optic Repeaters</b> <small>(27 16 16)</small>		
	Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0006	EA Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power .....	874.06	96.26
27 16 16 00-0007	EA Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power .....	1,367.96	192.53
<b>27 16 16 00-0008</b>	<b>Fiber Optic Transceivers</b> <small>(27 16 16)</small>		
27 16 16 00-0009	EA Fiber Optic Transceivers, 3,000 Miles Range .....	905.65	192.53
27 16 16 00-0010	EA Fiber Optic Transceivers, Digital 2,000 Miles Range .....	905.65	192.53
27 16 16 00-0011	EA Fiber Optic Ethernet Transceiver .....	1,191.25	288.78
27 16 16 00-0012	EA Transceiver (Low Cost Bi- Directional).....	436.02	72.19

**27 16 19 Communications Patch Cords, Station Cords, and Cross Connect Wire** (27 16 19)

<b>27 16 19 00-0001</b>	<b>Cross Connect Wire</b> <small>(27 16 19)</small>		
	Note: Up to 20' length.		
27 16 19 00-0002	EA 2-Pair Cross Connect Wire .....	15.44	
27 16 19 00-0003	EA 3-Pair Cross Connect Wire .....	20.68	
27 16 19 00-0004	EA 4-Pair Cross Connect Wire .....	25.87	
<b>27 16 19 00-0005</b>	<b>Fiber Optic Patch Cords</b> <small>(27 16 19)</small>		
<b>27 16 19 00-0006</b>	<b>Simplex Fiber Optic Patch Cables</b> <small>(27 16 19 00-0005)</small>		
<b>27 16 19 00-0007</b>	<b>Singlemode, Simplex Fiber Optic Patch Cables</b> <small>(27 16 19 00-0006)</small>		
27 16 19 00-0008	EA ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable .....	39.77	
	<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0009	EA ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable .....	32.49	
	<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0010	EA ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable .....	41.95	
	<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0011	EA SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable .....	34.15	
	<i>For Each Additional Meter In Length, Add</i>	0.26	

**27 Communications****27 10 Structured Cabling****27 16 Communications Connecting Cords, Devices, and Adapters**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
27 16 19 00-0012	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....		39.46	
		<i>For Each Additional Meter In Length, Add</i>		0.26	
27 16 19 00-0013	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....		38.88	
		<i>For Each Additional Meter In Length, Add</i>		0.26	
<b>27 16 19 00-0014</b>		<b>Duplex Fiber Optic Patch Cables</b> (27 16 19 00-0005)			
<b>27 16 19 00-0015</b>		<b>Singlemode, Duplex Fiber Optic Patch Cables</b> (27 16 19 00-0014)			
27 16 19 00-0016	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....		69.03	
		<i>For Each Additional Meter In Length, Add</i>		0.51	
27 16 19 00-0017	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....		66.98	
		<i>For Each Additional Meter In Length, Add</i>		0.51	
27 16 19 00-0018	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....		74.27	
		<i>For Each Additional Meter In Length, Add</i>		0.51	
27 16 19 00-0019	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....		57.82	
		<i>For Each Additional Meter In Length, Add</i>		0.51	
27 16 19 00-0020	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....		68.42	
		<i>For Each Additional Meter In Length, Add</i>		0.51	
27 16 19 00-0021	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....		67.26	
		<i>For Each Additional Meter In Length, Add</i>		0.51	
<b>27 16 19 00-0022</b>		<b>Multimode, Duplex Fiber Optic Patch Cables</b> (27 16 19 00-0014)			
27 16 19 00-0023	EA	ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....		52.20	
		<i>For Each Additional Meter In Length, Add</i>		1.48	
27 16 19 00-0024	EA	ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....		56.96	
		<i>For Each Additional Meter In Length, Add</i>		1.48	
27 16 19 00-0025	EA	ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....		57.45	
		<i>For Each Additional Meter In Length, Add</i>		1.48	
27 16 19 00-0026	EA	ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....		58.98	
		<i>For Each Additional Meter In Length, Add</i>		1.48	
27 16 19 00-0027	EA	SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....		52.41	
		<i>For Each Additional Meter In Length, Add</i>		1.48	
27 16 19 00-0028	EA	SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....		59.25	
		<i>For Each Additional Meter In Length, Add</i>		1.48	
27 16 19 00-0029	EA	SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....		69.57	
		<i>For Each Additional Meter In Length, Add</i>		1.48	
27 16 19 00-0030	EA	MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....		48.02	
		<i>For Each Additional Meter In Length, Add</i>		1.48	
27 16 19 00-0031	EA	LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....		58.36	
		<i>For Each Additional Meter In Length, Add</i>		1.48	
<b>27 16 19 00-0032</b>		<b>Fiber Optic Cable Pig Tail</b> (27 16 19)			
27 16 19 00-0033	EA	Simplex Fiber Optic Cable Pig Tail.....		64.82	33.69
27 16 19 00-0034	EA	Duplex Fiber Optic Cable Pig Tail.....		82.08	33.69
<b>27 16 19 00-0035</b>		<b>Ethernet Patch Cords</b> (27 16 19)			
27 16 19 00-0036	EA	3' Category 5E Patch Cables With Boots.....		13.59	
27 16 19 00-0037	EA	5' Category 5E Patch Cables With Boots.....		14.88	
27 16 19 00-0038	EA	7' Category 5E Patch Cables With Boots.....		16.20	
27 16 19 00-0039	EA	10' Category 5E Patch Cables With Boots.....		23.54	
27 16 19 00-0040	EA	15' Category 5E Patch Cables With Boots.....		29.49	
27 16 19 00-0041	EA	25' Category 5E Patch Cables With Boots.....		39.39	
27 16 19 00-0042	EA	3' Category 6 Patch Cables With Boots.....		15.13	
27 16 19 00-0043	EA	5' Category 6 Patch Cables With Boots.....		18.43	
27 16 19 00-0044	EA	7' Category 6 Patch Cables With Boots.....		18.50	
27 16 19 00-0045	EA	10' Category 6 Patch Cables With Boots.....		21.97	
27 16 19 00-0046	EA	15' Category 6 Patch Cables With Boots.....		29.00	
27 16 19 00-0047	EA	25' Category 6 Patch Cables With Boots.....		36.71	
27 16 19 00-0048	EA	50' Category 6 Patch Cables With Boots.....		58.42	
27 16 19 00-0049	EA	100' Category 6 Patch Cables With Boots.....		102.20	
27 16 19 00-0050	EA	3' Length, Category 6, Exterior Grade Patch Cable With Boots.....		44.71	
27 16 19 00-0051	EA	5' Length, Category 6, Exterior Grade Patch Cable With Boots.....		49.59	
27 16 19 00-0052	EA	7' Length, Category 6, Exterior Grade Patch Cable With Boots.....		54.48	
27 16 19 00-0053	EA	10' Length, Category 6, Exterior Grade Patch Cable With Boots.....		64.21	
27 16 19 00-0054	EA	15' Length, Category 6, Exterior Grade Patch Cable With Boots.....		78.84	
27 16 19 00-0055	EA	25' Length, Category 6, Exterior Grade Patch Cable With Boots.....		103.26	
27 16 19 00-0056	EA	50' Length, Category 6, Exterior Grade Patch Cable With Boots.....		164.31	
27 16 19 00-0057	EA	100' Length, Category 6, Exterior Grade Patch Cable With Boots.....		291.24	
27 16 19 00-0058	EA	3' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®).....		64.22	
		Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.			
27 16 19 00-0059	EA	5' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®).....		69.01	
		Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.			
27 16 19 00-0060	EA	7' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®).....		73.77	
		Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.			
27 16 19 00-0061	EA	10' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®).....		79.41	
		Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.			
27 16 19 00-0062	EA	15' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®).....		86.43	
		Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.			
27 16 19 00-0063	EA	20' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®).....		91.15	
		Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.			
27 16 19 00-0064	EA	1' Category 6A Patch Cord.....		11.54	
27 16 19 00-0065	EA	2' Category 6A Patch Cord.....		12.02	
27 16 19 00-0066	EA	1 Meter Category 6A Patch Cord.....		12.46	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 16 19 00-0067	EA	2 Meter Category 6A Patch Cord .....	17.07	
27 16 19 00-0068	EA	3 Meter Category 6A Patch Cord .....	21.90	
27 16 19 00-0069	EA	3' Category 6A Patch Cables With Boots .....	28.55	
27 16 19 00-0070	EA	5' Category 6A Patch Cables With Boots .....	30.51	
27 16 19 00-0071	EA	7' Category 6A Patch Cables With Boots .....	31.98	
27 16 19 00-0072	EA	10' Category 6A Patch Cables With Boots .....	36.58	
27 16 19 00-0073	EA	15' Category 6A Patch Cables With Boots .....	44.36	
27 16 19 00-0074	EA	25' Category 6A Patch Cables With Boots .....	57.00	
27 16 19 00-0075	EA	50' Category 6A Patch Cables With Boots .....	85.36	
27 16 19 00-0076	EA	100' Category 6A Patch Cables With Boots .....	151.22	
27 16 19 00-0077	EA	3' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E03-06) .....	13.59	
27 16 19 00-0078	EA	5' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E05-06) .....	14.88	
27 16 19 00-0079	EA	7' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E07-06) .....	16.20	
27 16 19 00-0080	EA	10' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E10-06) .....	23.54	
27 16 19 00-0081	EA	15' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E15-06) .....	29.49	
27 16 19 00-0082	EA	25' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E25-06) .....	39.39	
27 16 19 00-0083	EA	3' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC603-06) .....	15.13	
27 16 19 00-0084	EA	5' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC605-06) .....	18.43	
27 16 19 00-0085	EA	7' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC607-06) .....	18.50	
27 16 19 00-0086	EA	10' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC610-06) .....	21.97	
27 16 19 00-0087	EA	15' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC615-06) .....	29.00	
27 16 19 00-0088	EA	25' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC625-06) .....	36.71	
27 16 19 00-0089	EA	3' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A03-09) .....	28.55	
27 16 19 00-0090	EA	5' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A05-09) .....	30.51	
27 16 19 00-0091	EA	7' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A07-09) .....	31.98	
27 16 19 00-0092	EA	10' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A10-09) .....	36.58	
27 16 19 00-0093	EA	15' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A15-09) .....	44.36	
27 16 19 00-0094	EA	25' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A25-09) .....	57.00	

27 20 Data Communications <sup>(27)</sup>

27 21 Data Communications Network Equipment <sup>(27,20)</sup>

Note: Includes testing of new devices and certification.

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems

<sup>(27 21)</sup>

27 21 16 00-0001 Network Equipment <sup>(27 21 16)</sup>

27 21 16 00-0002 Grounding Bus Bars <sup>(27 21 16 00-0001)</sup>

27 21 16 00-0003	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar (Chatsworth 13622-012) .....	145.28	26.05
27 21 16 00-0004	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar (Chatsworth 40153-012) .....	270.52	26.05

27 21 16 00-0005 Vertical Cable Management <sup>(27 21 16 00-0001)</sup>

27 21 16 00-0006	EA	3-1/4" Width Channel, 16 Gates, 19" Width x 84" Height, Relay Rack With Cable Channels (Hubbell CR1973) .....	747.54	48.23
27 21 16 00-0007	EA	6" Width Channel, 32 Gates, 19" Width x 84" Height, Relay Rack With Cable Channels (Hubbell CR1976) .....	817.47	48.23
27 21 16 00-0008	EA	3-1/4" Width, 4' Height, 4 Gates, Vertical Cable Organizer (Hubbell VC43) .....	157.95	24.12
27 21 16 00-0009	EA	4-1/2" Width, 4' Height, 8 Gates, Vertical Cable Organizer (Hubbell VC44) .....	259.23	24.12
27 21 16 00-0010	EA	6" Width, 4' Height, 8 Gates, Vertical Cable Organizer (Hubbell VC46) .....	268.87	24.12
27 21 16 00-0011	EA	3-1/4" Width, 7' Height, 8 Gates, Vertical Cable Organizer (Hubbell VC73) .....	188.82	24.12
27 21 16 00-0012	EA	4-1/2" Width, 7' Height, 16 Gates, Vertical Cable Organizer (Hubbell VC74) .....	313.49	24.12
27 21 16 00-0013	EA	6" Width, 7' Height, 16 Gates, Vertical Cable Organizer (Hubbell VC76) .....	313.49	24.12
27 21 16 00-0014	EA	Cover For 3-1/4" Width, 4' Height, Vertical Cable Organizer (Hubbell VCC3) .....	49.08	4.82
27 21 16 00-0015	EA	Cover For 4-1/2" Width, 4' Height, Vertical Cable Organizer (Hubbell VCC4) .....	54.98	4.82
27 21 16 00-0016	EA	Cover For 6" Width, 4' Height, Vertical Cable Organizer (Hubbell VCC6) .....	60.77	4.82
27 21 16 00-0017	LF	Low Voltage Communication, Aluminum Surface Raceway (Panduit Pan-Pole) .....	32.89	7.03

Note: Exposed installations on masonry, concrete masonry unit (CMU) or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly.

27 21 16 00-0018 Horizontal Cable Management <sup>(27 21 16 00-0001)</sup>

27 21 16 00-0019	EA	19" Width, 1-3/4" Height, 3-1/2" Ring Depth, Cable Management Duct Panel (Hubbell HC119MS3N) .....	101.65	19.29
27 21 16 00-0020	EA	19" Width, 3-1/2" Height, 1-3/4" Ring Depth, Cable Management Duct Panel (Hubbell HC219MS1N) .....	101.65	19.29
27 21 16 00-0021	EA	19" Width, 3-1/2" Height, 3-1/2" Ring Depth, Cable Management Duct Panel (Hubbell HC219MS3N) .....	104.90	19.29
27 21 16 00-0022	EA	23" Width, 3-1/2" Height, 1-3/4" Ring Depth, Cable Management Duct Panel (Hubbell HC223MS1N) .....	162.78	19.29
27 21 16 00-0023	EA	19" Width, 1-3/4" Height, 1-3/4" Ring Depth, Enhanced Cable Management Duct Panel (Hubbell HC119CE1N) .....	146.38	19.29
27 21 16 00-0024	EA	19" Width, 3-1/2" Height, 1-3/4" Ring Depth, Enhanced Cable Management Duct Panel (Hubbell HC219CE1N) .....	139.63	19.29
27 21 16 00-0025	EA	19" Width, 3-1/2" Height, 3-1/2" Ring Depth, Enhanced Cable Management Duct Panel (Hubbell HC219CE3N) .....	133.36	19.29
27 21 16 00-0026	EA	19" Width, 3-1/2" Height, 6" Ring Depth, Enhanced Cable Management Duct Panel (Hubbell HC219CE6N) .....	172.42	19.29
27 21 16 00-0027	EA	19" Width, 3-1/2" Height, 3-1/2" Ring Depth, Enhanced Cable Management Duct Panel With Rear Wire Frame, Cover And Pass Through Holes (Hubbell HC219CC3N) .....	179.66	19.29
27 21 16 00-0028	EA	19" Width, 3-1/2" Height, 3-1/2" Ring Depth, Enhanced Cable Management Duct Panel With Rear Wire Frame (Hubbell HC219CR3N) .....	165.19	19.29
27 21 16 00-0029	EA	19" Width, 5-1/4" Height, 6" Ring Depth, Enhanced Cable Management Duct Panel With Rear Wire Frame (Hubbell HC319CE6N) .....	189.30	19.29
27 21 16 00-0030	EA	1-3/4" Depth, Cable Management Spool (Hubbell HCSPL110) .....	14.47	5.79
27 21 16 00-0031	EA	3-1/2" Depth, Cable Management Spool (Hubbell HCSPL310) .....	15.11	5.79
27 21 16 00-0032	EA	6" Depth, Cable Management Spool (Hubbell HCSPL610) .....	16.08	5.79
27 21 16 00-0033	PR	3-1/2" Depth, Vertical Management Rings (Hubbell HC23VR2) .....	69.21	5.79
27 21 16 00-0034	PR	6" Depth, Vertical Management Rings (Hubbell HC23VR2) .....	78.74	5.79

27 21 16 00-0035 Fiber Patch Panels <sup>(27 21 16 00-0001)</sup>

27 21 16 00-0036	EA	12 FSP Panel Capacity, Rack Mounted Fiber Patch Panel (Hubbell FCR525SPR) .....	680.25	96.26
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**27 Communications****27 20 Data Communications****27 21 Data Communications Network Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0037	EA		12 Capacity, 6 LC Duplex, Preloaded Standard Adapter Panel (Hubbell FSPLC6).....	225.27	48.13
27 21 16 00-0038	EA		12 Capacity, 3 LC Quad, Preloaded Standard Adapter Panel (Hubbell FSPLCQ3).....	207.67	48.13
27 21 16 00-0039	EA		24 Capacity, 6 LC Quad, Preloaded High Density Adapter Panel (Hubbell FSPLCQ6).....	312.08	48.13
27 21 16 00-0040	EA		6 Capacity, 6 FC/PC, Preloaded Standard Split Sleeve Adapter Panel (Hubbell FSPFC6).....	228.89	48.13
27 21 16 00-0041	EA		6 Capacity, 6 SC Simplex, Preloaded Standard APC Adapter Panel (Hubbell FSPSCA6).....	237.33	48.13
27 21 16 00-0042	EA		8 Capacity, 6 SC Simplex, Preloaded High Density APC Adapter Panel (Hubbell FSPSCA8).....	283.15	48.13
27 21 16 00-0043	EA		Blank Plate For Adapter Panels (Hubbell FSPB).....	31.19	9.63
27 21 16 00-0044	EA		6 Capacity, SC Simplex Or MT-RJ, Unloaded Standard FSP Adapter Panel (Hubbell FSPMTRJ6X).....	110.73	48.13
27 21 16 00-0045	EA		8 Capacity, SC Simplex Or MT-RJ, Unloaded High Density FSP Adapter Panel (Hubbell FSPMTRJ8X).....	110.73	48.13
27 21 16 00-0046	EA		6 Capacity, SC Duplex Or LC Quad, Unloaded Standard FSP Adapter Panel (Hubbell FSPSCD3X).....	110.73	48.13
27 21 16 00-0047	EA		8 Capacity, SC Duplex Or LC Quad, Unloaded High Density FSP Adapter Panel (Hubbell FSPSCD6X).....	110.73	48.13
27 21 16 00-0048	EA		6 Capacity, ST Style, Unloaded Standard FSP Adapter Panel (Hubbell FSPST6X).....	109.40	48.13
27 21 16 00-0049	EA		8 Capacity, ST Style, Unloaded High Density FSP Adapter Panel (Hubbell FSPST8X).....	110.73	48.13
27 21 16 00-0050	EA		6 Capacity, LC Duplex, Unloaded Standard FSP Adapter Panel (Hubbell FSPLC6X).....	110.73	48.13
27 21 16 00-0051	EA		4 Capacity, HD And HXJ Jacks, Unloaded FSP Adapter Panel (Hubbell FSPHD4X).....	126.04	48.13
<b>27 21 16 00-0052</b>			<b>Equipment Racks</b> (27 21 16 00-0001)		
27 21 16 00-0053	EA		19" Width x 84" Height, 2-Post Equipment Rack (Hubbell HPW84RR19).....	328.83	48.23
27 21 16 00-0054	EA		19" Width x 29" Depth x 84" Height, 4-Post Equipment Rack (Chatsworth Quadrarack).....	1,376.72	72.34
<b>27 21 16 00-0055</b>			<b>Category 6 Patch Panels</b> (27 21 16 00-0001)		
27 21 16 00-0056	EA		24 Port, Category 6 Patch Panel (Hubbell P624U)..... Note: Excludes cabinet and terminations.	313.49	31.35
			<i>For Rear Cable Management Bar, Add</i>	31.59	
27 21 16 00-0057	EA		48 Port, Category 6 Patch Panel (Hubbell P648U)..... Note: Excludes cabinet and terminations.	578.74	38.59
			<i>For Rear Cable Management Bar, Add</i>	31.59	
27 21 16 00-0058	EA		96 Port, Category 6 Patch Panel (Hubbell P696U)..... Note: Excludes cabinet and terminations.	1,070.67	53.06
			<i>For Rear Cable Management Bar, Add</i>	31.59	
27 21 16 00-0059	EA		Category 6, 4-Pair, Connecting Block (Hubbell 6110CB4PR10).....	4.37	0.96
<b>27 21 16 00-0060</b>			<b>Faceplates And Modular Connectors</b> (27 21 16 00-0001)		
27 21 16 00-0061	EA		Single Gang, Keystone Opening, Flush, Stainless Steel Phone Faceplate (Hubbell P630S1G)..... Note: Requires one snap-in jack module.	18.89	0.96
27 21 16 00-0062	EA		Single Gang, RJ25 Jack, Flush, Stainless Steel Phone Faceplate (Hubbell P630S1GJ6).....	24.81	0.96
27 21 16 00-0063	EA		Single Gang, RJ45 Jack, Flush, Stainless Steel Phone Faceplate (Hubbell P630S1GJ8).....	27.77	0.96
27 21 16 00-0064	EA		Single Gang, Keystone Opening, Recessed, Stainless Steel Phone Faceplate (Hubbell P630SR1G)..... Note: Requires one snap-in jack module.	17.90	0.96
27 21 16 00-0065	EA		Single Gang, RJ25 Jack, Recessed, Stainless Steel Phone Faceplate (Hubbell P630SR1GJ6).....	20.64	0.96
27 21 16 00-0066	EA		Single Gang, RJ45 Jack, Recessed, Stainless Steel Phone Faceplate (Hubbell P630SR1GJ8).....	23.71	0.96
27 21 16 00-0067	EA		Cat 6, Snap In Module (Hubbell HXJ6A).....	22.18	2.41
27 21 16 00-0068	EA		LC Fiber Connection, Snap In Module (Hubbell SFLC).....	24.71	2.41
<b>27 21 16 00-0069</b>			<b>Copper Communications Cabling</b> (27 21 16 00-0001)		
			Note: Excludes conduit or innerduct.		
<b>27 21 16 00-0070</b>			<b>Outdoor, Copper Communications Cabling</b> (27 21 16 00-0069)		
27 21 16 00-0071	CLF		25-Pair, 24 AWG, ETPR Filled, Outdoor, Copper Communications Cable.....	195.91	57.76
27 21 16 00-0072	CLF		50-Pair, 24 AWG, ETPR Filled, Outdoor, Copper Communications Cable.....	314.56	80.86
27 21 16 00-0073	CLF		100-Pair, 24 AWG, ETPR Filled, Outdoor, Copper Communications Cable.....	443.59	80.86
27 21 16 00-0074	CLF		200-Pair, 24 AWG, ETPR Filled, Outdoor, Copper Communications Cable.....	769.34	103.96
<b>27 21 16 00-0075</b>			<b>Indoor, Copper Communications Cabling</b> (27 21 16 00-0069)		
<b>27 21 16 00-0076</b>			<b>Indoor, Plenum Rated, Copper Communications Cabling</b> (27 21 16 00-0075)		
27 21 16 00-0077	CLF		25-Pair, 24 AWG, Plenum Rated, Indoor, Copper Communications Cable.....	326.53	57.76
27 21 16 00-0078	CLF		50-Pair, 24 AWG, Plenum Rated, Indoor, Copper Communications Cable.....	383.53	80.86
27 21 16 00-0079	CLF		100-Pair, 24 AWG, Plenum Rated, Indoor, Copper Communications Cable.....	617.16	80.86
27 21 16 00-0080	CLF		200-Pair, 24 AWG, Plenum Rated, Indoor, Copper Communications Cable.....	1,161.58	103.96
<b>27 21 16 00-0081</b>			<b>Fiber Optic Modems</b> (27 21 16)		
27 21 16 00-0082	EA		Fiber Optic Modems, Range 6.2 Miles.....	1,520.92	192.53
27 21 16 00-0083	EA		Fiber Optic Modem, Range 3.1 Miles, 12 Channel.....	2,940.78	192.53
<b>27 21 16 00-0084</b>			<b>Ethernet Hubs and Switches</b> (27 21 16)		
27 21 16 00-0085	EA		16 Port Managed Hub With Fiberport And Standard Management.....	2,871.33	144.69
27 21 16 00-0086	EA		16 Port Unmanaged Hub.....	472.41	96.46
27 21 16 00-0087	EA		12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E).....	3,952.76	96.46
27 21 16 00-0088	EA		Power Supply (Cisco PWR-IE170W-PC-AC).....	1,174.16	48.23
<b>27 21 16 00-0089</b>			<b>Network Equipment</b> (27 21 16)		
<b>27 21 16 00-0090</b>			<b>Communications Entrance Protection</b> (27 21 16 00-0089)		
27 21 16 00-0091	EA		100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C)..... Note: Excludes terminations.	824.61	72.34
27 21 16 00-0092	EA		Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S).....	9.96	0.96

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>27 21 16 00-0093</b>	<b>Communications Cabinets, Racks, Frames And Enclosures</b> <small>(27 21 16 00-0089)</small>		
27 21 16 00-0094	EA 19" Width x 36" Height x 24" Depth, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736).....	998.70	72.34
	<i>For Fan Kit (Chatsworth 12804-701), Add</i>	137.19	
27 21 16 00-0095	EA 10 Outlet, 125 Volt, 20 Amperes, Telecommunications Cabinet Power Strip (Chatsworth 13239-757).....	901.20	4.82
<b>27 21 16 00-0096</b>	<b>Communications Termination Blocks And Patch Panels</b> <small>(27 21 16 00-0089)</small>		
<b>27 21 16 00-0097</b>	<b>Communications Termination Blocks</b> <small>(27 21 16 00-0096)</small>		
27 21 16 00-0098	EA 4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810).....	316.77	14.44
27 21 16 00-0099	EA 5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802).....	294.48	14.44
27 21 16 00-0100	EA 4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869).....	712.36	14.44
27 21 16 00-0101	EA 5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851).....	662.22	14.44
27 21 16 00-0102	EA 110 Connector System Mounting Brackets (CommScope 107535593).....	96.11	14.44
27 21 16 00-0103	EA 110 Connector System Mounting Brackets (CommScope 107535585).....	104.21	14.44
27 21 16 00-0104	EA 110 Connector System Mounting Brackets (CommScope 107098816).....	119.37	14.44
<b>27 21 16 00-0105</b>	<b>Communications Copper Patch Panels</b> <small>(27 21 16 00-0096)</small>		
	<i>Note: Excludes cabinet and terminations.</i>		
27 21 16 00-0106	EA 24 Port, Category 5E Patch Panel (CommScope 108208919).....	307.49	31.35
27 21 16 00-0107	EA 48 Port, Category 5E Patch Panel (CommScope 108208935).....	566.74	38.59
27 21 16 00-0108	EA 24 Port, Category 6 Patch Panel (CommScope 760062372).....	460.21	31.35
27 21 16 00-0109	EA 48 Port, Category 6 Patch Panel (CommScope 760062380).....	865.82	38.59
<b>27 21 16 00-0110</b>	<b>Communications Optical Fiber Patch Panels</b> <small>(27 21 16 00-0096)</small>		
<b>27 21 16 00-0111</b>	<b>Closet Connector Housings</b> <small>(27 21 16 00-0110)</small>		
27 21 16 00-0112	EA 48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U).....	358.45	19.29
	<i>Note: Accepts up to 2 closet connector housing panels. Excludes panels.</i>		
27 21 16 00-0113	EA 96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U).....	418.95	19.29
	<i>Note: Accepts up to 4 closet connector housing panels. Excludes panels.</i>		
27 21 16 00-0114	EA 288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U).....	523.26	19.29
	<i>Note: Accepts up to 12 closet connector housing panels. Excludes panels.</i>		
27 21 16 00-0115	EA SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91).....	110.99	9.65
27 21 16 00-0116	EA SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59).....	152.02	9.65
27 21 16 00-0117	EA SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56).....	125.48	9.65
27 21 16 00-0118	EA SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C).....	165.28	9.65
<b>27 21 16 00-0119</b>	<b>Communications Cable Management</b> <small>(27 21 16 00-0089)</small>		
<b>27 21 16 00-0120</b>	<b>Horizontal Communication Cable Management</b> <small>(27 21 16 00-0119)</small>		
27 21 16 00-0121	EA 1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE).....	115.21	19.29
27 21 16 00-0122	EA 3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E).....	119.18	19.29
<b>27 21 16 00-0123</b>	<b>Vertical Communication Cable Management</b> <small>(27 21 16 00-0119)</small>		
27 21 16 00-0124	EA 6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703).....	699.18	48.23
27 21 16 00-0125	EA 19" Width x 84" Height, Universal Rack (Chatsworth 48353-703).....	724.89	48.23
27 21 16 00-0126	EA 23" Width x 84" Height, Universal Rack (Chatsworth 48383-703).....	782.73	48.23
<b>27 21 16 00-0127</b>	<b>Communications Patch Cords, Station Cords, And Cross Connect Wire</b> <small>(27 21 16 00-0089)</small>		
<b>27 21 16 00-0128</b>	<b>Premise Cross-Connect Wire</b> <small>(27 21 16 00-0127)</small>		
27 21 16 00-0129	LF 1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973).....	1.00	0.48
<b>27 21 16 00-0130</b>	<b>Pathways For Communications Systems</b> <small>(27 21 16 00-0089)</small>		
<b>27 21 16 00-0131</b>	<b>Conduits And Backboxes For Communication Systems</b> <small>(27 21 16 00-0130)</small>		
<b>27 21 16 00-0132</b>	<b>Flexible Conduit For Communication Systems</b> <small>(27 21 16 00-0131)</small>		
27 21 16 00-0133	CLF 1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlson DF4X1C).....	415.92	173.27
27 21 16 00-0134	CLF 1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlson CF4X1C).....	623.61	173.27
<b>27 21 16 00-0135</b>	<b>Tube Cables For Communication Systems</b> <small>(27 21 16 00-0131)</small>		
<b>27 21 16 00-0136</b>	<b>Outdoor/All-Dielectric Tube Cables</b> <small>(27 21 16 00-0135)</small>		
27 21 16 00-0137	CLF Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX).....	367.33	115.51
27 21 16 00-0138	CLF Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX).....	558.32	144.39
27 21 16 00-0139	CLF Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX).....	952.70	173.27
<b>27 21 16 00-0140</b>	<b>Indoor/Riser Rated Tube Cables</b> <small>(27 21 16 00-0135)</small>		
27 21 16 00-0141	CLF Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX).....	427.84	115.51
27 21 16 00-0142	CLF Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX).....	527.53	129.95
27 21 16 00-0143	CLF Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX).....	600.34	144.39
27 21 16 00-0144	CLF Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX).....	1,142.63	173.27

**27 Communications****27 20 Data Communications****27 21 Data Communications Network Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0145			<b>Indoor/Plenum Rated Tube Cables</b> (27 21 16 00-0135)		
27 21 16 00-0146	CLF		Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX).....	301.78	115.51
27 21 16 00-0147	CLF		Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2).....	456.42	115.51
27 21 16 00-0148	CLF		Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2).....	722.50	129.95
27 21 16 00-0149	CLF		Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2).....	1,069.28	144.39
27 21 16 00-0150	CLF		Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2).....	3,436.92	173.27
27 21 16 00-0151			<b>Unjacketed Single Tube Cables</b> (27 21 16 00-0135)		
27 21 16 00-0152	CLF		Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX).....	254.72	115.51
27 21 16 00-0153			<b>Multimode Fiber Bundles</b> (27 21 16 00-0135)		
			Note: Includes optical fiber cables.		
27 21 16 00-0154	CLF		2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6).....	114.91	34.66
27 21 16 00-0155	CLF		4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6).....	180.46	34.66
27 21 16 00-0156	CLF		6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6).....	251.05	34.66
27 21 16 00-0157	CLF		12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6).....	466.19	34.66
27 21 16 00-0158	CLF		18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6).....	679.20	40.43
27 21 16 00-0159	CLF		24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6).....	894.34	40.43
27 21 16 00-0160			<b>Singlemode Fiber Bundles</b> (27 21 16 00-0135)		
			Note: Includes optical fiber cables.		
27 21 16 00-0161	CLF		2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX).....	101.46	34.66
27 21 16 00-0162	CLF		4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX).....	130.03	34.66
27 21 16 00-0163	CLF		6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX).....	153.57	34.66
27 21 16 00-0164	CLF		12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX).....	198.95	34.66
27 21 16 00-0165	CLF		18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX).....	309.43	40.43
27 21 16 00-0166	CLF		24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX).....	411.95	40.43
27 21 16 00-0167			<b>Tube Distribution Cabinets</b> (27 21 16 00-0135)		
27 21 16 00-0168	EA		Modular Tube Distribution Cabinet (Sumitomo DE06MDU).....	227.17	48.23
			Note: Up to six 7-tube cables or two 19-tube cables.		
27 21 16 00-0169			<b>Modular Fiber Termination Cabinets</b> (27 21 16 00-0135)		
27 21 16 00-0170	EA		24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM).....	293.08	48.23
27 21 16 00-0171	EA		48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM).....	313.92	48.23
27 21 16 00-0172			<b>Tube Distribution Accessories</b> (27 21 16 00-0135)		
27 21 16 00-0173	EA		Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA).....	11.99	4.82
27 21 16 00-0174	EA		Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2).....	13.45	4.82
27 21 16 00-0175	EA		Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB).....	17.21	4.82
27 21 16 00-0176			<b>Communications Optical Fiber Cabling</b> (27 21 16 00-0089)		
27 21 16 00-0177			<b>Communications Optical Fiber Cable Splicing And Terminations</b> (27 21 16 00-0176)		
27 21 16 00-0178			<b>Field Installed Fiber Connectors</b> (27 21 16 00-0177)		
27 21 16 00-0179	EA		SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42).....	38.14	7.23
27 21 16 00-0180	EA		SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41).....	33.31	7.23
27 21 16 00-0181			<b>Buffer Tube Fan-Out Kits</b> (27 21 16 00-0177)		
27 21 16 00-0182			<b>Buffer Tube Breakout Kits (Sumitomo)</b> (27 21 16 00-0181)		
			Note: Includes 900 micron tubing.		
27 21 16 00-0183	EA		2-Fiber Breakout Kit (Sumitomo FTFLD02).....	212.70	96.26
27 21 16 00-0184	EA		4-Fiber Breakout Kit (Sumitomo FTFLD04).....	217.74	96.26
27 21 16 00-0185	EA		6-Fiber Breakout Kit (Sumitomo FTFLD06).....	222.20	96.26
27 21 16 00-0186	EA		12-Fiber Breakout Kit (Sumitomo FTFLD12).....	236.03	96.26
27 21 16 00-0187	EA		18-Fiber Breakout Kit (Sumitomo FTFLD18).....	254.95	96.26
27 21 16 00-0188	EA		24-Fiber Breakout Kit (Sumitomo FTFLD24).....	269.01	96.26
27 21 16 00-0189			<b>Buffer Tube Fan-Out Kits (Corning)</b> (27 21 16 00-0181)		
27 21 16 00-0190	EA		12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12).....	215.04	96.26
27 21 16 00-0191	EA		12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12).....	264.97	96.26
27 21 16 00-0192			<b>Communications Copper Cabling</b> (27 21 16 00-0089)		
27 21 16 00-0193			<b>Copper Communications Cable Splicing And Terminations</b> (27 21 16 00-0192)		
27 21 16 00-0194			<b>Copper Communications Cable Splice Cases</b> (27 21 16 00-0193)		
27 21 16 00-0195	EA		6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626).....	891.73	192.53
27 21 16 00-0196	EA		9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630).....	1,036.55	192.53
27 21 16 00-0197	EA		12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219).....	1,517.76	192.53
27 21 16 00-0198			<b>Modular Splice Connectors</b> (27 21 16 00-0193)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 21 16 00-0199	EA	25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25)	103.29	48.13
27 21 16 00-0200	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25)	101.72	48.13
27 21 16 00-0201	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25)	103.32	48.13
27 21 16 00-0202	EA	25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25)	103.10	48.13

**27 21 26 Data Communications Network Management (27 21)**

**27 21 26 00-0001 Data Communications Network Management (27 21 26)**

27 21 26 00-0002	EA	3 Port, Terminal/Serial Device Server (Comtrol 99560-9)	447.28	24.07
27 21 26 00-0003	EA	2 Port, Terminal/Serial Device Server (Comtrol 99550-0)	345.59	24.07
27 21 26 00-0004	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9)	479.93	24.07
27 21 26 00-0005	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0)	749.30	24.07
27 21 26 00-0006	EA	24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020)	70.28	
27 21 26 00-0007	EA	Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2)	332.04	14.44
27 21 26 00-0008	EA	Sennetech Code Translator (Pelco SCT_100_AD232)	561.39	24.07
27 21 26 00-0009	EA	VPN Router (Cisco 819HG)	3,689.35	308.67
27 21 26 00-0010	EA	Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC)	2,588.10	308.67
27 21 26 00-0011	EA	WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+)	12,500.26	115.51
27 21 26 00-0012	EA	SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis, 2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV)	380.00	
27 21 26 00-0013	EA	Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8)	8,396.45	115.51
27 21 26 00-0014	EA	Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2)	18,016.07	115.51
27 21 26 00-0015	EA	Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E)	423.05	9.65
27 21 26 00-0016	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV)	3,390.69	12.03
27 21 26 00-0017	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2)	2,684.06	12.03
27 21 26 00-0018	EA	13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US)	49.65	4.82
27 21 26 00-0019	EA	1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=)	171.26	48.13
27 21 26 00-0020	EA	Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850-24TS)	2,520.10	115.51
27 21 26 00-0021	EA	SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS)	499.99	
27 21 26 00-0022	EA	North America AC Type A Power Cable (Cisco CAB-TA-NA)	17.71	4.82
27 21 26 00-0023	EA	350 Watt AC Power Supply (Cisco PWR-C1-350WAC)	213.07	12.03
27 21 26 00-0024	EA	Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G)	524.12	12.06
27 21 26 00-0025	EA	1', Catalyst 3750X and 3850 Stack Power Cable (Cisco CAB-SPWR-30CM)	101.64	4.82
27 21 26 00-0026	EA	Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC)	2,925.08	115.51
27 21 26 00-0027	EA	SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON-SNT-301016S8)	501.99	
27 21 26 00-0028	EA	IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA)	449.07	12.03
27 21 26 00-0029	EA	IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IA)	456.07	12.03
27 21 26 00-0030	EA	4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC)	1,030.79	115.51
27 21 26 00-0031	EA	Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC)	249.12	12.06
27 21 26 00-0032	EA	4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM)	1,154.12	12.06
27 21 26 00-0033	EA	Router (CISCO IR829)	1,046.46	48.23

**27 21 29 Data Communications Switches and Hubs (27 21)**

**27 21 29 00-0001 Data Communications Multimedia Modular Patch Panels (27 21 29)**

Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0056 for modular jacks.

27 21 29 00-0002	EA	12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded	98.77	4.81
27 21 29 00-0003	EA	16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	109.11	4.81
27 21 29 00-0004	EA	24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	129.13	4.81
27 21 29 00-0005	EA	36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	135.27	4.81
27 21 29 00-0006	EA	48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	147.80	6.02
27 21 29 00-0007	EA	24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	140.37	4.81
27 21 29 00-0008	EA	48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	176.16	6.02
27 21 29 00-0009	EA	Rack Mount Rear Cable Management Bar	47.73	6.02

**27 21 33 Data Communications Wireless Access Points (27 21)**

**27 21 33 00-0001 Data Communications Wireless Access Points (27 21 33)**

27 21 33 00-0002	EA	Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU)	3,210.13	144.39
27 21 33 00-0003	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1)	7,637.73	144.39
27 21 33 00-0004	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9)	7,637.73	144.39
27 21 33 00-0005	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA)	1,288.54	144.39
27 21 33 00-0006	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR)	1,517.48	165.88
27 21 33 00-0007	EA	Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G)	4,126.04	165.88
27 21 33 00-0008	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G)	6,234.44	165.88
27 21 33 00-0009	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G)	6,234.44	165.88
27 21 33 00-0010	EA	50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50)	1,287.46	55.29
27 21 33 00-0011	EA	100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100)	1,305.16	55.29
27 21 33 00-0012	EA	Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G)	130.56	27.65
27 21 33 00-0013	EA	FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM)	1,100.00	
27 21 33 00-0014	EA	1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR)	410.26	48.13
27 21 33 00-0015	EA	Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH)	343.01	48.13
27 21 33 00-0016	EA	Cell LTE MIMO Antenna (Sierra Wireless 1810075)	64.71	19.25
27 21 33 00-0017	EA	AirLink GX400 Power Adapter (Sierra Wireless 2700384)	52.63	
27 21 33 00-0018	EA	AirLink GX400 Power Cable (Sierra Wireless 2000380)	31.44	

**27 Communications****27 20 Data Communications****27 21 Data Communications Network Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 21 33 00-0019	EA		Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL).....	226.20	48.13
27 21 33 00-0020	EA		Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL).....	227.50	48.13
27 21 33 00-0021	EA		2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D).....	304.26	48.23
27 21 33 00-0022	EA		Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS).....	750.90	72.34
27 21 33 00-0023	EA		Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged).....	953.31	72.34
27 21 33 00-0024	EA		Magnetic Mount Cellular Antenna (Wilson Electronics 301125).....	57.23	14.44
27 21 33 00-0025	EA		Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K).....	219.05	55.29
27 21 33 00-0026	EA		Andrew® Omni Antenna, 890-960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38-51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y).....	667.44	55.29
27 21 33 00-0027	EA		Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC).....	3,191.46	48.23
27 21 33 00-0028	EA		Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150).....	1,629.33	48.13

**27 29 Data Communications Network Systems (27 20)**

Note: Materials only, excludes installation.

**27 29 00 00-0001 Aruba Networks - Devices (27 29)****27 29 00 00-0002 Access Points and Accessories (27 29 00 00-0001)**

27 29 00 00-0003	EA		Aruba 104 Wireless Access Point (802.11abgn 2x2:2, dual radio, antenna connectors) (Aruba networks AP-104).....	1,011.43	
27 29 00 00-0004	EA		Aruba 104 Wireless Access Point, FIPS/TAA (Aruba networks AP-104-F1).....	1,156.96	
27 29 00 00-0005	EA		Aruba 105 Wireless Access Point (802.11abgn 2x2:2, dual radio, integrated antennas) (Aruba networks AP-105).....	1,011.43	
27 29 00 00-0006	EA		Aruba 105 Wireless Access Point, FIPS/TAA (Aruba networks AP-105-F1).....	1,156.96	
27 29 00 00-0007	EA		Aruba 124 Wireless Access Point (802.11a/n + b/g/n) (Aruba networks AP-124).....	1,448.02	
27 29 00 00-0008	EA		Aruba 124 Wireless Access Point (802.11a/n + b/g/n), FIPS/TAA (Aruba networks AP-124-F1).....	1,739.08	
27 29 00 00-0009	EA		Aruba 125 Wireless Access Point (802.11a/n + b/g/n) (Aruba networks AP-125).....	1,448.02	
27 29 00 00-0010	EA		Aruba 125 Wireless Access Point (802.11a/n + b/g/n), FIPS/TAA (Aruba networks AP-125-F1).....	1,739.08	
27 29 00 00-0011	EA		Aruba AP-134 Wireless Access Point (Aruba networks AP-134).....	1,593.55	
27 29 00 00-0012	EA		Aruba 134 Wireless Access Point, FIPS/TAA (Aruba networks AP-134-F1).....	1,884.61	
27 29 00 00-0013	EA		Aruba AP-135 Wireless Access Point (Aruba networks AP-135).....	1,593.55	
27 29 00 00-0014	EA		Aruba 135 Wireless Access Point, FIPS/TAA (Aruba networks AP-135-F1).....	1,884.61	
27 29 00 00-0015	EA		AP-175P, 802.11n dual 2x2 320mW; POE (Aruba networks AP-175P).....	3,339.91	
27 29 00 00-0016	EA		AP-175P, 802.11n dual 2x2 320mW, POE, FIPS/TAA (Aruba networks AP-175P-F1).....	3,849.27	
27 29 00 00-0017	EA		AP-175AC Outdoor Access Point, 802.11n 2x2 dual radio 320mW; AC powered (with PSE) (Aruba networks AP-175AC).....	3,776.50	
27 29 00 00-0018	EA		AP-175AC, 802.11n dual 2x2 320mW, AC, FIPS/TAA (Aruba networks AP-175AC-F1).....	4,358.62	
27 29 00 00-0019	EA		AP-175DC Outdoor Access Point, 802.11n 2x2 dual radio 320mW; DC powered (with PSE) (Aruba networks AP-175DC).....	3,776.50	
27 29 00 00-0020	EA		AP-175DC, 802.11n dual 2x2 320mW, DC, FIPS/TAA (Aruba networks AP-175DC-F1).....	4,358.62	
27 29 00 00-0021	EA		Aruba 68 Wireless Access Point (Aruba networks AP-68).....	429.31	
27 29 00 00-0022	EA		Aruba 92 Wireless Access Point, 802.11abgn, dual-band, single radio, antenna connectors (Aruba networks AP-92).....	574.84	
27 29 00 00-0023	EA		Aruba 92 Wireless Access Point, FIPS/TAA (Aruba networks AP-92-F1).....	654.88	
27 29 00 00-0024	EA		Aruba 93 Wireless Access Point, 802.11abgn, dual-band, single radio, integrated antennas (Aruba networks AP-93).....	574.84	
27 29 00 00-0025	EA		Aruba 93 Wireless Access Point, FIPS/TAA (Aruba networks AP-93-F1).....	654.88	
27 29 00 00-0026	EA		Aruba 93H Access Point, 802.11abgn, dual-band, single radio, integrated antennas, 4 port switch (hospitality variant) (Aruba networks AP-93H).....	720.37	
27 29 00 00-0027	EA		AP 60/61/65/70/120 Series AC Power Adapter Kit - Australia (Aruba networks AP-AC-AUS-2).....	80.04	
27 29 00 00-0028	EA		AP 60/61/65/70/120 Series AC Power Adapter Kit - Brazil Version (Aruba networks AP-AC-BR-2).....	80.04	
27 29 00 00-0029	EA		AP 60/61/65/70/120 Series AC Power Adapter Kit - China (Aruba networks AP-AC-CHN-2).....	80.04	
27 29 00 00-0030	EA		AP 60/61/65/70/120 Series AC Power Adapter Kit - Schuko (Aruba networks AP-AC-EC-2).....	80.04	
27 29 00 00-0031	EA		AP 60/61/65/70/120 Series AC Power Adapter Kit - India (Aruba networks AP-AC-IN-2).....	80.04	
27 29 00 00-0032	EA		AP 60/61/65/70/120 Series AC Power Adapter Kit - Italy (Aruba networks AP-AC-IT-2).....	80.04	
27 29 00 00-0033	EA		AP 60/61/65/70/120 Series AC Power Adapter Kit - Japan (Aruba networks AP-AC-JPN-2).....	80.04	
27 29 00 00-0034	EA		AP 60/61/65/70/120 Series AC Power Adapter Kit - Korea (Aruba networks AP-AC-KOR-2).....	80.04	
27 29 00 00-0035	EA		AP 60/61/65/70/120 Series AC Power Adapter Kit - North American 2 Prong Version (Aruba networks AP-AC-LA-2).....	80.04	
27 29 00 00-0036	EA		AP 60/61/65/70/120 Series AC Power Adapter Kit - North America Version (Aruba networks AP-AC-NA-2).....	80.04	
27 29 00 00-0037	EA		AP 60/61/65/70/120 Series AC Power Adapter Kit - United Kingdom (Aruba networks AP-AC-UK-2).....	80.04	
27 29 00 00-0038	EA		AP 60/61/65/70/120 Series AC Power Adapter Kit - Argentina (Aruba networks AP-AC-ARG-2).....	80.04	
27 29 00 00-0039	EA		AP 60/61/65/70/120 Series AC Power Adapter Kit - Denmark (Aruba networks AP-AC-DEN-2).....	80.04	
27 29 00 00-0040	EA		AP 60/61/65/70/120 Series AC Power Adapter Kit - Israel (Aruba networks AP-AC-IL-2).....	80.04	
27 29 00 00-0041	EA		AP 60/61/65/70/120 Series AC Power Adapter Kit - Switzerland (Aruba networks AP-AC-SWI-2).....	80.04	
27 29 00 00-0042	EA		AP 60/61/65/70/120 Series AC Power Adapter Kit - South Africa (Aruba networks AP-AC-ZA-2).....	80.04	
27 29 00 00-0043	EA		2.4-2.5GHz (4.4dBi) / 4.9-5.9GHz (3.3dBi), Down-Tilt, Smallest Form Factor Omni-Directional Single Antenna with ceiling mount hardware. RP-SMA Connector (Aruba networks AP-ANT-13B).....	203.74	
27 29 00 00-0044	EA		2.4-2.5GHz (4.4dBi) / 4.9-5.9GHz (3.3dBi), Down-Tilt, Smallest Form Factor Omni-Directional Single Antenna with ceiling mount hardware. RP-SMA Connector, Kit of quantity: 3 (Aruba networks AP-ANT-13B-KIT).....	567.57	
27 29 00 00-0045	EA		2.4-2.5GHz (5.0dBi) / 4.9-5.9GHz (5.0dBi), Dual-band, 120 Degree Sector Antenna, RP-SMA. (Aruba networks AP-ANT-15).....	502.08	
27 29 00 00-0046	EA		2.4-2.5GHz (3.9dBi) / 4.9-5.9GHz (4.7dBi), 3 Element MIMO Antenna in a single mechanical package, Down-Tilt Omni-Directional with ceiling mount hardware. RP-SMA Connectors (Aruba networks AP-ANT-16).....	502.08	
27 29 00 00-0047	EA		2.4-2.5GHz (6.0dBi) / 4.9-5.875GHz (5.0dBi), 3 Element MIMO 120 Degree Sector Antenna, mounting hardware only included; no Az/El adjustment. RP-SMA Connectors. To support pole mount or az/el adjustment on wall mount, order AP-ANT-MNT-1 kit in addition to antenna. (Aruba networks AP-ANT-17).....	531.18	
27 29 00 00-0048	EA		2.4-2.5GHz (7.5dBi) / 5.15-5.875GHz (7.5dBi), 3 Element MIMO 60 Degree Sector Antenna. 3x 3ft pigtailed, RP-SMA Connectors. Direct wall mounting hardware (anchors and screws) included; no az/el adjustment. For az/el adjustment on wall mount or pole mount order AP-ANT-MNT-1 kit in addition to antenna. (Aruba networks AP-ANT-18).....	531.18	
27 29 00 00-0049	EA		2.4/5G Dual Band, Omnidirectional 3dBi/6dBi, Indoor/Outdoor, RPSMA connector with 36 inch integrated pigtail cable. Pole mount, I-beam, and ceiling tile mount hardware included. (Aruba networks AP-ANT-19).....	218.30	
27 29 00 00-0050	EA		2.4/5G Dual Band, Omnidirectional 3dBi/6dBi, Indoor/Outdoor, RPSMA connector with 36 inch integrated pigtail cable. Pole mount, I-beam, and ceiling tile mount hardware included. (Kit of 3) (Aruba networks AP-ANT-19-KIT).....	574.84	
27 29 00 00-0051	EA		2.4-2.5GHz (2dBi) / 4.9-5.875GHz (2dBi), compact omni-directional direct-mount indoor antenna. RP-SMA, classic (Aruba networks AP-ANT-20A).....	29.11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 29 00 00-0052	EA	2.4-2.5GHz (2dBi) / 4.9-5.875GHz (2dBi), compact omni-directional direct-mount indoor antenna. RP-SMA, white (Aruba networks AP-ANT-20W).....	29.11	
27 29 00 00-0053	EA	2.4-2.5GHz (3.8dBi) / 4.9-5.875GHz (5.8dBi), High-Gain Omni-Directional Detachable Antenna. RP-SMA (Aruba networks AP-ANT-1B).....	43.66	
27 29 00 00-0054	EA	AP Antenna with integrated cellular interference filter, 2.4-2.5GHz (2.0dBi) / 4.9-5.875GHz (5.0dBi), Omni-Directional Direct-Mount Antenna. RP-SMA Connector (Aruba networks AP-ANT-1F).....	43.66	
27 29 00 00-0055	EA	2.4-2.5GHz (3.8dBi) / 4.9-5.875GHz (5.8dBi), High-Gain Omni-Directional Detachable Antenna. RP-SMA (Pair) (Aruba networks AP-ANT-1BP).....	87.32	
27 29 00 00-0056	EA	2.4-2.5GHz (3.0dBi) / 4.90-5.99GHz (4.0dBi), Down-tilt, Omni-Directional Diversity Antenna c/w overhang mount hardware. N-Type Connector (Aruba networks AP-ANT-90).....	873.18	
27 29 00 00-0057	EA	2.4-2.5GHz (6.0dBi) / 4.9-5.875GHz (5.0dBi), 3 Element MIMO 120 Degree Sector Antenna, mounting hardware only included; no Az/El adjustment. N-Type Connectors. To support pole mount or az/el adjustment on wall mount, order AP-ANT-MNT-1 kit in addition to antenna. (Aruba networks AP-ANT-92).....	531.18	
27 29 00 00-0058	EA	5.125-6.1GHz (14.0dBi), 3 Element MIMO High-Gain 20 Degree Directional Panel Antenna, N-Type Female, Az/El mounting kit included, Cables NOT included (Aruba networks AP-ANT-93).....	720.37	
27 29 00 00-0059	EA	Dual Band, 120 Degree Sector, 5 dBi, ±45 Polarization, 2 Element MIMO, 2x 3ft pigtails, N-type connectors. To support pole mount or az/el adjustment on wall mount, order AP-ANT-MNT-1 kit in addition to antenna. (Aruba networks ANT-2X2-D805).....	531.18	
27 29 00 00-0060	EA	Dual Band, 60 Degree Sector, 7 dBi, ±45 Polarization, 2 Element MIMO, 2x 3ft pigtails, N-type connectors. To support pole mount or az/el adjustment on wall mount, order AP-ANT-MNT-1 kit in addition to antenna. (Aruba networks ANT-2X2-D607).....	531.18	
27 29 00 00-0061	EA	Pair (H/V Polarization) 2.4GHz, Omni-directional, 5dBi, Direct-mount, N-type connectors. Pole mount, I-beam, and ceiling tile mount hardware included. Requires N-male to N-female extension cable if not used in direct mount. (Aruba networks ANT-2x2-2005).....	429.31	
27 29 00 00-0062	EA	2.4 GHz, 14 dBi, 30 Degree x 30 Degree, H and V polarized MIMO High-Gain Directional Panel Antenna, 2 x N-Type female connectors, Cable NOT Included. Outdoor rated. (Aruba networks ANT-2X2-2314).....	618.50	
27 29 00 00-0063	EA	2.4 GHz, 14.0 dBi, 70 Degree, ±45 Degree polarized 2 Element MIMO High-Gain Directional Panel Antenna, 2x N-Type Female connectors, Cables NOT included (Aruba networks ANT-2x2-2714).....	574.84	
27 29 00 00-0064	EA	Pair (H/V Polarization) 5GHz, Omni-directional, 5dBi, Direct-mount, N-type connectors. Pole mount, I-beam, and ceiling tile mount hardware included. Requires N-male to N-female extension cable if not used in direct mount. (Aruba networks ANT-2x2-5005).....	429.31	
27 29 00 00-0065	EA	Pair (H/V Polarization) 5GHz, Omni-directional, 10dBi, Direct-mount, N-type connector. Pole mount, I-beam, and ceiling tile mount hardware included. Requires N-male to N-female extension cable if not used in direct mount. (Aruba networks ANT-2x2-5010).....	574.84	
27 29 00 00-0066	EA	5.15-5.9 GHz, 14 dBi, 30 Degree x 30 Degree, H and V polarized MIMO High-Gain Directional Panel Antenna, 2 x N-Type female connectors, Cable NOT Included. Outdoor rated. (Aruba networks ANT-2X2-5314).....	618.50	
27 29 00 00-0067	EA	4.9-5.9 GHz, 14.0 dBi, 60 Degree, ±45 Degree polarized 2 Element MIMO High-Gain Directional Panel Antenna, 2x N-Type Female connectors, Cables NOT included. Note: The ANT-2x2-5614 antenna is not approved for use in North America; select ANT-2x2-5614L or ANT-2x2-5614U instead. (Aruba networks ANT-2x2-5614).....	574.84	
27 29 00 00-0068	EA	5.5-5.9 GHz, 14.0 dBi, 60 Degree, ±45 Degree polarized 2 Element MIMO High-Gain Directional Panel Antenna, 2x N-Type Female connectors, Cables NOT included (Aruba networks ANT-2x2-5614U).....	574.84	
27 29 00 00-0069	EA	4.9-5.5 GHz, 14.0 dBi, 60 Degree, ±45 Degree polarized 2 Element MIMO High-Gain Directional Panel Antenna, 2x N-Type Female connectors, Cables NOT included. (Aruba networks ANT-2x2-5614L).....	574.84	
27 29 00 00-0070	EA	Azimuth and Elevation adjustable Mount Kit for AP-ANT-17, AP-ANT-18, AP-ANT-92, ANT-2x2-D607 and ANT-2x2-D805. Includes hardware for pole or wall mounting with AZ/EL adjustment. (Aruba networks AP-ANT-MNT-1).....	138.25	
27 29 00 00-0071	EA	In-line RF antenna cellular interference filter (high-pass). RP-SMA connectors (Aruba networks AP-HPF-SMA).....	43.66	
27 29 00 00-0072	EA	Aruba Outdoor Antenna Lightning Arrester for outdoor Access Points: Single, In-line lightning arrester with N-type Male to N-type Female interface. Supports RF frequency passthrough of 2GHz – 6GHz. (Aruba networks AP-LAR-1).....	218.30	
27 29 00 00-0073	EA	Aruba Outdoor Antenna Lightning Arrester for outdoor Access Points: Single, In-line lightning arrester with N-type Male to N-type Female interface. Supports RF frequency Passband of 2.4-2.5 GHz (Aruba networks AP-LAR-24).....	218.30	
27 29 00 00-0074	EA	1 Port 802.3af PoE Midspan 10/100 15.4W (Aruba networks PD-3501-AC).....	65.49	
27 29 00 00-0075	EA	1 Port 802.3af PoE Midspan 10/100/1000 15.4W (Aruba networks PD-3501G-AC).....	138.25	
27 29 00 00-0076	EA	1 Port 802.3at PoE Midspan 10/100/1000 30W (Aruba networks PD-9001G-AC).....	211.02	
27 29 00 00-0077	EA	1 Port 802.3at 4P PoE Midspan 10/100/1000 60W (Aruba networks PD-9501G-AC).....	356.55	
27 29 00 00-0078	EA	1 Port 802.3at PoE Midspan 10/100/1000 30W Outdoor; NA power cord (Aruba networks PD-9001GO-NA).....	1,011.43	
27 29 00 00-0079	EA	1 PORT GE 802.3AT MIDSPAN (Aruba networks PD-9001GR-AC).....	211.02	
27 29 00 00-0080	EA	1 Port 802.3at PoE Midspan 10/100/1000 30W Outdoor; EU/International power cord (Aruba networks PD-9001GO-INTL).....	1,011.43	
27 29 00 00-0081	EA	Pole / Mast mount kit for outdoor POE midspan injectors (Aruba networks PD-MOUNT-OD).....	181.91	

**27 29 00 00-0082 Remote Access Points** (27 29 00 00-0001)

27 29 00 00-0083	EA	Aruba RAP-5WN Multi-port Remote Access Point (Wireless, 1x 100/1000Base-T & 4x 10/100Base-T) (Aruba networks RAP-5WN).....	865.90	
27 29 00 00-0084	EA	Aruba RAP-5WN Multi-port Remote Access Point (Wireless, 1x 100/1000Base-T & 4x 10/100Base-T), FIPS/TAA (Aruba networks RAP-5WN-F1).....	1,011.43	
27 29 00 00-0085	EA	Aruba RAP-5WN Multi-port Remote Access Point (Wireless, 1x 100/1000Base-T & 4x 10/100Base-T) NA (Aruba networks RAP-5WN-US).....	865.90	
27 29 00 00-0086	EA	Contains: Aruba RAP-2WG remote access point with single radio 802.11'B/G', integrated antenna, 2 x 10/100Base-T (RJ-45), 1 x North America 12V AC power adapter, 1x 6ft Ethernet cable and Installation Guide. (Aruba networks RAP-2WG-US).....	144.07	
27 29 00 00-0087	EA	Contains: Aruba RAP-2WG remote access point with single radio 802.11'B/G', integrated antenna, 2 x 10/100Base-T (RJ-45), 1 x Continental Europe (Europlug) 12V AC power adapter, 1x 6ft Ethernet cable and Installation Guide. (Aruba networks RAP-2WG-EU).....	144.07	
27 29 00 00-0088	EA	Contains: Aruba RAP-2WG remote access point with single radio 802.11'B/G', integrated antenna, 2 x 10/100Base-T (RJ-45), 1 x Universal 12V AC power adapter, 1x 6ft Ethernet cable and Installation Guide. (Aruba networks RAP-2WG).....	167.36	
27 29 00 00-0089	EA	Aruba RAP-3WN Remote Access Point (wireless, 3x10/100Base-T, USB). Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States, Japan or Israel. (Aruba networks RAP-3WN).....	429.31	
27 29 00 00-0090	EA	Aruba RAP-3WN Remote Access Point (wireless, 3x10/100Base-T, USB) - Restricted regulatory domain: United States (Aruba networks RAP-3WN-US).....	429.31	
27 29 00 00-0091	EA	Aruba RAP-3WN Remote Access Point (wireless, 3x10/100Base-T, USB) - Restricted regulatory domain: Japan (Aruba networks RAP-3WN-JP).....	429.31	
27 29 00 00-0092	EA	Aruba RAP-3WNP Remote Access Point (wireless, 3x10/100Base-T, USB, POE out). Note: unit ships without AC power cord. Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States, Japan or Israel. (Aruba networks RAP-3WNP).....	502.08	

## 27 Communications

## 27 20 Data Communications

## 27 29 Data Communications Network Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0093	EA		Aruba RAP-3WNP Remote Access Point (wireless, 3x10/100Base-T, USB, POE out) - Restricted regulatory domain: United States. Note: unit ships without AC power cord. (Aruba networks RAP-3WNP-US).....	502.08	
27 29 00 00-0094	EA		Aruba RAP-3WNP Remote Access Point (wireless, 3x10/100Base-T, USB, POE out) - Restricted regulatory domain: Japan. Note: unit ships without AC power cord. (Aruba networks RAP-3WNP-JP).....	502.08	
27 29 00 00-0095	EA		Aruba RAP-108 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, antenna connectors - Restricted regulatory domain: Rest of World (Aruba networks RAP-108).....	865.90	
27 29 00 00-0096	EA		Aruba RAP-108 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, antenna connectors - Restricted regulatory domain: United States (Aruba networks RAP-108-US).....	865.90	
27 29 00 00-0097	EA		Aruba RAP-108 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, antenna connectors - Restricted regulatory domain: Japan (Aruba networks RAP-108-JP).....	865.90	
27 29 00 00-0098	EA		Aruba RAP-109 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, integrated antennas - Restricted regulatory domain: Rest of World (Aruba networks RAP-109).....	865.90	
27 29 00 00-0099	EA		Aruba RAP-109 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, integrated antennas - Restricted regulatory domain: United States (Aruba networks RAP-109-US).....	865.90	
27 29 00 00-0100	EA		Aruba RAP-109 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, integrated antennas - Restricted regulatory domain: Japan (Aruba networks RAP-109-JP).....	865.90	
27 29 00 00-0101	EA		Aruba RAP-3WN Remote Access Point, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks RAP-3WN-F1).....	502.08	
27 29 00 00-0102	EA		Aruba RAP-3WN Remote Access Point, Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks RAP-3WN-USF1).....	502.08	
27 29 00 00-0103	EA		Aruba RAP-3WNP Remote Access Point, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks RAP-3WNP-F1).....	574.84	
27 29 00 00-0104	EA		Aruba RAP-3WNP Remote Access Point, Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks RAP-3WNP-USF1).....	574.84	
27 29 00 00-0105	EA		Aruba RAP-108 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, antenna connectors - Restricted regulatory domain: Rest of World, FIPS/TAA (Aruba networks RAP-108-F1).....	1,011.43	
27 29 00 00-0106	EA		Aruba RAP-108 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, antenna connectors - Restricted regulatory domain: United States, FIPS/TAA (Aruba networks RAP-108-USF1).....	1,011.43	
27 29 00 00-0107	EA		Aruba RAP-109 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, integrated antennas - Restricted regulatory domain: Rest of World, FIPS/TAA (Aruba networks RAP-109-F1).....	1,011.43	
27 29 00 00-0108	EA		Aruba RAP-109 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, integrated antennas - Restricted regulatory domain: United States, FIPS/TAA (Aruba networks RAP-109-USF1).....	1,011.43	
27 29 00 00-0109	EA		Aruba RAP-100 Series Access Point Wall and Ceiling Mount Kit (Aruba networks RAP-100-MNT).....	50.94	
27 29 00 00-0110	EA		RAP-3 Series wall mount kit (Aruba networks RAP-3WN-MNT).....	50.94	
27 29 00 00-0111	EA		48 Volt DC, 36 Watt, AC-to DC power adapter (note: does not include country specific AC power cord) (Aruba networks AP-AC-48V36).....	94.59	
27 29 00 00-0112	EA		12 Volt DC, 18 Watt, High Temperature AC Power Adapter for compatible indoor AP models. Does not include country specific power cord. (Aruba networks AP-AC-12V18HT).....	94.59	
27 29 00 00-0113	EA		RAP-3 Series serial adapter cable (proprietary to DB9 female) (Aruba networks AP-CBL-SER).....	109.15	
27 29 00 00-0114	EA		12 Volt DC Universal AC Power Adapter Kit - North America, Japan, United Kingdom, Italy, EC (Europlug), Australia, China, India, Korea (Aruba networks AP-AC-UN).....	65.49	
27 29 00 00-0115	EA		12 Volt DC, 18 Watt AC Power Adapter for compatible indoor AP models. Does not include country specific power cord (Aruba networks AP-AC-12V18).....	65.49	
27 29 00 00-0116	EA		12 Volt DC Car Power Adapter Kit for compatible Aruba Access Point models. Note: this product is approved for use in the US only. (Aruba networks AP-DC-CAR).....	94.59	
27 29 00 00-0117	EA		Aruba RAP-5WN Remote Access Point Wall Mount (Aruba networks RAP-5WN-MNT).....	50.94	
27 29 00 00-0118			<b>Outdoor / Industrial Wireless Mesh Routers and Accessories</b> (27 29 00 00-0001)		
27 29 00 00-0119	EA		MSR1200, dual 2x2 11N radio; 200mW; New Boot Loader; ROW model (Aruba networks MSR1K2).....	2,175.67	
27 29 00 00-0120	EA		MSR1200, dual 2x2 11N radio; 200mW; New Boot Loader; Japan model (Aruba networks MSR1K2-JP).....	2,175.67	
27 29 00 00-0121	EA		MSR1200, dual 2x2 11N radio; 200mW; New Boot Loader; US model (Aruba networks MSR1K2-US).....	2,175.67	
27 29 00 00-0122	EA		MST200, single 2x2 11N radio; 320mW; Int Antenna; 5GHz; PoE; New Boot Loader; ROW model (Aruba networks MST2HP).....	2,321.20	
27 29 00 00-0123	EA		MST200, single 2x2 11N radio; 320mW; Int Antenna; 5GHz; PoE; New Boot Loader; Japan model (Aruba networks MST2HP-JP).....	2,321.20	
27 29 00 00-0124	EA		MST200, single 2x2 11N radio; 320mW; Int Antenna; 5GHz; PoE; New Boot Loader; US model (Aruba networks MST2HP-US).....	2,321.20	
27 29 00 00-0125	EA		MSR2000, dual 2x2 11N radio; 320mW; PoE; New Boot Loader; ROW model (Aruba networks MSR2KP).....	4,795.21	
27 29 00 00-0126	EA		MSR2000, dual 2x2 11N radio; 320mW; PoE; New Boot Loader; Japan model (Aruba networks MSR2KP-JP).....	4,795.21	
27 29 00 00-0127	EA		MSR2000, dual 2x2 11N radio; 320mW; PoE; New Boot Loader; China model (Aruba networks MSR2KP-CN).....	4,795.21	
27 29 00 00-0128	EA		MSR2000, dual 2x2 11N radio; 320mW; PoE; New Boot Loader; US model (Aruba networks MSR2KP-US).....	4,795.21	
27 29 00 00-0129	EA		MSR2000, dual 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; ROW model (Aruba networks MSR2KAC).....	5,086.27	
27 29 00 00-0130	EA		MSR2000, dual 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; Japan model (Aruba networks MSR2KAC-JP).....	5,086.27	
27 29 00 00-0131	EA		MSR2000, dual 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; China model (Aruba networks MSR2KAC-CN).....	5,086.27	
27 29 00 00-0132	EA		MSR2000, dual 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; US model (Aruba networks MSR2KAC-US).....	5,086.27	
27 29 00 00-0133	EA		MSR2000, dual 2x2 11N radio; 320mW; DC powered; PSE Out; New Boot Loader; ROW model (Aruba networks MSR2KDC).....	5,086.27	
27 29 00 00-0134	EA		MSR2000, dual 2x2 11N radio; 320mW; DC powered; PSE Out; New Boot Loader; Japan model (Aruba networks MSR2KDC-JP).....	5,086.27	
27 29 00 00-0135	EA		MSR2000, dual 2x2 11N radio; 320mW; DC powered; PSE Out; New Boot Loader; US model (Aruba networks MSR2KDC-US).....	5,086.27	
27 29 00 00-0136	EA		MSR4000, quad 2x2 11N radio; 320mW; PoE; New Boot Loader; ROW model (Aruba networks MSR4KP).....	7,996.87	
27 29 00 00-0137	EA		MSR4000, quad 2x2 11N radio; 320mW; PoE; New Boot Loader; Japan model (Aruba networks MSR4KP-JP).....	7,996.87	
27 29 00 00-0138	EA		MSR4000, quad 2x2 11N radio; 320mW; PoE; New Boot Loader; US model (Aruba networks MSR4KP-US).....	7,996.87	
27 29 00 00-0139	EA		MSR4000, quad 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; ROW model (Aruba networks MSR4KAC).....	8,578.99	
27 29 00 00-0140	EA		MSR4000, quad 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; Japan model (Aruba networks MSR4KAC-JP).....	8,578.99	
27 29 00 00-0141	EA		MSR4000, quad 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; US model (Aruba networks MSR4KAC-US).....	8,578.99	
27 29 00 00-0142	EA		MeshConfig Software for managing wireless mesh routers (indoor and outdoor) (Aruba networks MESH-SW-MC).....	1,448.02	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	27 29 00 00-0143	EA		48 Volt DC, AC Power Adaptor, for MSR1200 mesh routers (Aruba networks AACPGKIT-00) .....	72.76	
	27 29 00 00-0144	EA		USB console cable, 1.5 meters, apply to all indoor and outdoor products (Aruba networks ACONGESTD-00) .....	23.28	
	27 29 00 00-0145	EA		Outdoor Installation Materials - Includes accessories that may be useful in the installation process: two electrical tape rolls, mastic tape, white tie wraps. (Aruba networks AINS2KKIT-00).....	36.38	
	27 29 00 00-0146	EA		Set of 2 dual band staging antennas with N-type/male connectors (direct-mount, articulating) (Aruba networks ANT-2x2-STAGE) .....	109.15	
	27 29 00 00-0147	EA		Kit with weatherproof connector assembly to attach cable to (plastic) RJ45 interface on outdoor AP models (Aruba networks CKIT-RJ45-P).....	21.83	
	27 29 00 00-0148	EA		Weatherproof cable assembly to connect to (plastic) USB interface on outdoor AP models (length: 5m) (Aruba networks CBL-USB-P) .....	65.49	
	27 29 00 00-0149	EA		Kit with weatherproof connector assembly to attach cable to (metal) RJ45 interface on outdoor AP models (Aruba networks CKIT-RJ45-M) .....	138.25	
	27 29 00 00-0150	EA		Weatherproof cable assembly to connect to (metal) USB interface on outdoor AP models (length: 5m) (Aruba networks CBL-USB-M).....	109.15	
	27 29 00 00-0151	EA		Weatherproof cable assembly to connect to (metal) AC power interface on outdoor AP models (length: 5m). North America version (Aruba networks CBL-AC-NA).....	283.78	
	27 29 00 00-0152	EA		Weatherproof cable assembly to connect to (metal) AC power interface on outdoor AP models (length: 5m). International (EU) version (Aruba networks CBL-AC-INTL).....	283.78	
	27 29 00 00-0153	EA		Weatherproof cable assembly to connect to (metal) DC power interface on outdoor AP models (length: 5m) (Aruba networks CBL-DC-WW) .....	283.78	
	27 29 00 00-0154	EA		Kit with weatherproof connector assembly to attach cable to (metal) AC power interface on outdoor AP models (Aruba networks CKIT-AC-M).....	109.15	
	27 29 00 00-0155	EA		Kit with weatherproof connector assembly to attach cable to (metal) DC power interface on outdoor AP models (Aruba networks CKIT-DC-M).....	109.15	
	27 29 00 00-0156	EA		7D antenna cable with 2 N type Male connectors, 1 meter (Aruba networks AFC7DL01-00).....	43.66	
	27 29 00 00-0157	EA		7D antenna cable with 2 N type Male connectors, 2 meters (Aruba networks AFC7DL02-00) .....	52.39	
	27 29 00 00-0158	EA		7D antenna cable with 2 N type Male connectors, 3 meters (Aruba networks AFC7DL03-00) .....	65.49	
	27 29 00 00-0159	EA		7D antenna cable with 2 N type Male connectors, 4 meters (Aruba networks AFC7DL04-00) .....	80.04	
	27 29 00 00-0160	EA		RP-SMA/M to N/F GR316 soft jumper, 60cm; used between indoor products and 7D & 1/2" feeder (Aruba networks AFC2DL60-00) .....	26.20	
	27 29 00 00-0161	EA		RP-SMA/M to N/M, 60cm; used between indoor products and splitter (Aruba networks AFCSJMTM-00).....	29.11	
<b>27 29 00 00-0162</b>	<b>Mobility Controllers and Accessories <small>(27 29 00 00-0001)</small></b>					
	27 29 00 00-0163	EA		Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3200XM) .....	7,269.22	
	27 29 00 00-0164	EA		Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3200XM-IL).....	7,269.22	
	27 29 00 00-0165	EA		Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - US (Aruba networks 3200XM-US).....	7,269.22	
	27 29 00 00-0166	EA		Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 8 AP Support, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3200XM-8) .....	7,996.87	
	27 29 00 00-0167	EA		Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 8 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3200XM-8-IL).....	7,996.87	
	27 29 00 00-0168	EA		Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 8 AP Support, Restricted Regulatory Domain - US (Aruba networks 3200XM-8-US).....	7,996.87	
	27 29 00 00-0169	EA		Aruba 3200 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel, FIPS & TAA Compliant (Aruba networks 3200-F1) .....	8,367.98	
	27 29 00 00-0170	EA		Aruba 3200 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - IL, FIPS & TAA Compliant (Aruba networks 3200-ILF1).....	8,367.98	
	27 29 00 00-0171	EA		Aruba 3200 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - US, FIPS & TAA Compliant (Aruba networks 3200-USF1).....	8,367.98	
	27 29 00 00-0172	EA		Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3400).....	11,635.12	
	27 29 00 00-0173	EA		Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel, FIPS & TAA Compliant (Aruba networks 3400-F1) .....	13,425.14	
	27 29 00 00-0174	EA		Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 32 AP Support, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3400-32).....	14,545.72	
	27 29 00 00-0175	EA		Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 32 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3400-32-IL).....	14,545.72	
	27 29 00 00-0176	EA		Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 32 AP Support, Restricted Regulatory Domain - US (Aruba networks 3400-32-US).....	14,545.72	
	27 29 00 00-0177	EA		Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3400-IL).....	11,635.12	
	27 29 00 00-0178	EA		Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - IL, FIPS & TAA Compliant (Aruba networks 3400-ILF1).....	13,425.14	
	27 29 00 00-0179	EA		Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - US (Aruba networks 3400-US) .....	11,635.12	
	27 29 00 00-0180	EA		Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - US, FIPS & TAA Compliant (Aruba networks 3400-USF1).....	13,425.14	
	27 29 00 00-0181	EA		Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports , 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3600).....	18,911.62	
	27 29 00 00-0182	EA		Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports , 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel, FIPS & TAA Compliant (Aruba networks 3600-F1) .....	21,822.22	
	27 29 00 00-0183	EA		Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 64 AP Support, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3600-64).....	24,005.17	

## 27 Communications

## 27 20 Data Communications

## 27 29 Data Communications Network Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0184	EA		Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 64 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3600-64-IL).....	24,005.17	
27 29 00 00-0185	EA		Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 64 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3600-64-US).....	24,005.17	
27 29 00 00-0186	EA		Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports , 0 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3600-IL).....	18,911.62	
27 29 00 00-0187	EA		Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports , 0 AP Support, Restricted Regulatory Domain - IL, FIPS & TAA Compliant (Aruba networks 3600-ILF1).....	21,822.22	
27 29 00 00-0188	EA		Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports , 0 AP Support, Restricted Regulatory Domain - US (Aruba networks 3600-US).....	18,911.62	
27 29 00 00-0189	EA		Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports , 0 AP Support, Restricted Regulatory Domain - US, FIPS & TAA Compliant (Aruba networks 3600-USF1).....	21,822.22	
27 29 00 00-0190	EA		Aruba 6000 Base System, SPOE Power, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 6000-400).....	5,813.92	
27 29 00 00-0191	EA		Aruba 6000 Base System, SPOE Power, Restricted Regulatory Domain - IL (Aruba networks 6000-400-IL).....	5,813.92	
27 29 00 00-0192	EA		Aruba 6000 Base System, SPOE Power, Restricted Regulatory Domain - US (Aruba networks 6000-400-US).....	5,813.92	
27 29 00 00-0193	EA		Aruba 6000 Base System, SPOE Power, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel, FIPS & TAA Compliant (Aruba networks 6000-400-F1).....	11,271.30	
27 29 00 00-0194	EA		Aruba 6000 Base System, SPOE Power, Restricted Regulatory Domain - US, FIPS & TAA Compliant (Aruba networks 6000-400-USF1).....	11,271.30	
27 29 00 00-0195	EA		Aruba 6000 Base System, SPOE Power, Restricted Regulatory Domain - IL, FIPS & TAA Compliant (Aruba networks 6000-400-ILF1).....	11,271.30	
27 29 00 00-0196	EA		Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 620).....	2,139.29	
27 29 00 00-0197	EA		Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel, FIPS & TAA Compliant (Aruba networks 620-F1).....	2,459.46	
27 29 00 00-0198	EA		Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Restricted Regulatory Domain - IL, FIPS & TAA Compliant (Aruba networks 620-ILF1).....	2,459.46	
27 29 00 00-0199	EA		Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Restricted Regulatory Domain - US, FIPS & TAA Compliant (Aruba networks 620-USF1).....	2,459.46	
27 29 00 00-0200	EA		Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 4 AP Support, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 620-4).....	2,546.78	
27 29 00 00-0201	EA		Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Restricted Regulatory Domain - IL (Aruba networks 620-IL).....	2,139.29	
27 29 00 00-0202	EA		Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 4 AP Support, Restricted Regulatory Domain - IL (Aruba networks 620-4-IL).....	2,546.78	
27 29 00 00-0203	EA		Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Restricted Regulatory Domain - US (Aruba networks 620-US).....	2,139.29	
27 29 00 00-0204	EA		Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 4 AP Support, Restricted Regulatory Domain - US (Aruba networks 620-4-US).....	2,546.78	
27 29 00 00-0205	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 650).....	3,412.68	
27 29 00 00-0206	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel, FIPS & TAA Compliant (Aruba networks 650-F1).....	3,922.03	
27 29 00 00-0207	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Restricted Regulatory Domain - IL, FIPS & TAA Compliant (Aruba networks 650-ILF1).....	3,922.03	
27 29 00 00-0208	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Restricted Regulatory Domain - US, FIPS & TAA Compliant (Aruba networks 650-USF1).....	3,922.03	
27 29 00 00-0209	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 8 AP Support, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 650-8).....	4,213.09	
27 29 00 00-0210	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Restricted Regulatory Domain - IL (Aruba networks 650-IL).....	3,412.68	
27 29 00 00-0211	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 8 AP Support, Restricted Regulatory Domain - IL (Aruba networks 650-8-IL).....	4,213.09	
27 29 00 00-0212	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Restricted Regulatory Domain - US (Aruba networks 650-US).....	3,412.68	
27 29 00 00-0213	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 8 AP Support, Restricted Regulatory Domain - US (Aruba networks 650-8-US).....	4,213.09	
27 29 00 00-0214	EA		Aruba 6000 Series Base 4-Slot Chassis (Excludes Fan Tray), Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel (Aruba networks HW-CHAS).....	2,182.95	
27 29 00 00-0215	EA		Aruba 6000 Series Base 4-Slot Chassis (Excludes Fan Tray), Restricted Regulatory Domain - IL (Aruba networks HW-CHAS-IL).....	2,182.95	
27 29 00 00-0216	EA		Aruba 6000 Series Base 4-Slot Chassis (Excludes Fan Tray), Restricted Regulatory Domain - US (Aruba networks HW-CHAS-US).....	2,182.95	
27 29 00 00-0217	EA		Aruba 6000 Series Replacement Fan Tray (Aruba networks HW-FT).....	727.65	
27 29 00 00-0218	EA		Aruba 6000 Series Power Supply - 200 Watt (Aruba networks HW-PSU-200).....	727.65	
27 29 00 00-0219	EA		Aruba 6000 Series Power Supply - 400 Watt (Aruba networks HW-PSU-400).....	1,455.30	
27 29 00 00-0220	EA		Aruba GBIC Interface Adapter - T (Aruba networks LC-GBIC-T).....	727.65	
27 29 00 00-0221	EA		Aruba Multi-Service Controller Module Mark I, 10x 1000Base-X (SFP), 2x 10GBase-X (XFP), (128 AP Support) (Aruba networks M3mk1-128-S).....	50,928.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0222	EA		Aruba Multi-Service Controller Module Mark I, 10x 1000Base-X (SFP), 2x 10GBase-X (XFP), (0 AP Support) (Aruba networks M3mk1-S).....	39,285.82	
27 29 00 00-0223	EA		Aruba Multi-Service Controller Module Mark I, 10x 1000Base-X (SFP), 2x 10GBase-X (XFP), (0 AP Support), FIPS/TAA (Aruba networks M3mk1-S-F1).....	45,187.06	
27 29 00 00-0224	EA		Aruba 7210, 4x 10GBase-X (SFP+), 1x 350W AC PS, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 7210).....	24,732.82	
27 29 00 00-0225	EA		Aruba 7210, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - IL (Aruba networks 7210-IL).....	24,732.82	
27 29 00 00-0226	EA		Aruba 7210, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - US (Aruba networks 7210-US).....	24,732.82	
27 29 00 00-0227	EA		Aruba 7220, 4x 10GBase-X (SFP+), 1x 350W AC PS, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 7220).....	37,102.87	
27 29 00 00-0228	EA		Aruba 7220, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - IL (Aruba networks 7220-IL).....	37,102.87	
27 29 00 00-0229	EA		Aruba 7220, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - US (Aruba networks 7220-US).....	37,102.87	
27 29 00 00-0230	EA		Aruba 7240, 4x 10GBase-X (SFP+), 1x 350W AC PS, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 7240).....	55,294.12	
27 29 00 00-0231	EA		Aruba 7240, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - IL (Aruba networks 7240-IL).....	55,294.12	
27 29 00 00-0232	EA		Aruba 7240, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - US (Aruba networks 7240-US).....	55,294.12	
27 29 00 00-0233	EA		Aruba 7200 Series Fan Tray (Aruba networks HW-7200-FT).....	283.78	
27 29 00 00-0234	EA		Aruba 7200 Series Expansion Slot Blank Panel (Aruba networks SPR-ESBLNK).....	65.49	
27 29 00 00-0235	EA		Aruba Supervisor Card I System Upgrade (48 AP to 128 AP Support) (Aruba networks SC-48-C1-UG-128).....	7,276.50	
27 29 00 00-0236	EA		1000BASE-LX SFP; 1310nm pluggable GbE optic; LC connector; up to 10,000 meters over single-mode fiber (Aruba networks SFP-LX).....	938.67	
27 29 00 00-0237	EA		1000BASE-SX SFP; 850nm pluggable GbE optic; LC connector; up to 300 meters over multi-mode fiber (Type OM2) (Aruba networks SFP-SX).....	574.84	
27 29 00 00-0238	EA		1000BASE-T SFP; copper GbE pluggable; RJ45 connector; up to 100 meters over Category-5, 5e, 6 and 6a unshielded twisted pair cable (Aruba networks SFP-TX).....	429.31	
27 29 00 00-0239	EA		Aruba XFP - 1310nm serial pluggable XFP optic (LC) for up to 10km over SMF (Aruba networks XFP-LR).....	6,541.57	
27 29 00 00-0240	EA		Aruba XFP - 850nm serial pluggable XFP optic (LC), target range 300m over MMF (Aruba networks XFP-SR).....	3,339.91	
27 29 00 00-0241	EA		Aruba 3200 Controller 1GB memory upgrade kit (Aruba networks 3200-MEM-UG).....	574.84	
<b>27 29 00 00-0242 Other (27 29 00 00-0001)</b>					
27 29 00 00-0243	EA		AP-100 SERIES MOUNT KIT (Aruba networks AP-105-MNT).....	65.49	
27 29 00 00-0244	EA		AP-100 SERIES CEILING RAIL MOUNT KIT (Aruba networks AP-105-MNT-C).....	21.83	
27 29 00 00-0245	EA		AP-100 SERIES CEILING RAIL MOUNT KIT V2 (Aruba networks AP-105-MNT-C2).....	36.38	
27 29 00 00-0246	EA		AP-100 SERIES MOUNT KIT DC PWR (Aruba networks AP-105-MNT-DC).....	65.49	
27 29 00 00-0247	EA		Aruba 120 Series Wireless Access Point Wall / Ceiling Mounting Kit (Aruba networks AP-120-MNT).....	50.94	
27 29 00 00-0248	EA		AP-120 SERIES MOUNT KIT (Aruba networks AP-120-MNT-WJ).....	138.25	
27 29 00 00-0249	EA		AP-120 Cover Kit (Aruba networks AP-120-MNT-CV).....	80.04	
27 29 00 00-0250	EA		AP-130 SERIES MOUNT KIT (Aruba networks AP-130-MNT).....	36.38	
27 29 00 00-0251	EA		AP-130 SERIES MOUNT KIT V2 (Aruba networks AP-130-MNT-W2).....	109.15	
27 29 00 00-0252	EA		AP-130 SERIES CEILING RAIL MOUNT KIT V2 (Aruba networks AP-130-MNT-C2).....	36.38	
27 29 00 00-0253	EA		AP-90 SERIES MOUNT KIT (Aruba networks AP-90-MNT).....	50.94	
27 29 00 00-0254	EA		AP-90 SERIES MOUNT KIT V2 (Aruba networks AP-90-MNT-W2).....	65.49	
27 29 00 00-0255	EA		AP-90 SERIES CEILING RAIL MOUNT KIT V2 (Aruba networks AP-90-MNT-C2).....	36.38	
27 29 00 00-0256	EA		Aruba Outdoor Antenna Cable Extension - 10' Long low-loss LMR 400 antenna extension cable for use with Outdoor Access Points, interfaces AP N-Type Female interface to N-Type Male on antenna. (Aruba networks AP-CBL-1).....	160.08	
27 29 00 00-0257	EA		Aruba 620 Desk Stand Kit (Aruba networks HW-620-MNT-DESK).....	123.70	
27 29 00 00-0258	EA		Aruba 620 19" Equipment Rack Mounting Kit (Aruba networks HW-620-MNT-19).....	211.02	
27 29 00 00-0259	EA		Aruba 3000 Series Replacement 19" Equipment Rack Mounting Kit (Aruba networks HW-3000-MNT-19).....	72.76	
27 29 00 00-0260	EA		Aruba 6000 Series Replacement 19" Equipment Rack Mounting Kit (Aruba networks HW-MNT-19).....	72.76	
27 29 00 00-0261	EA		Aruba 6000 Series Power Supply Unit Slot Blank Panel (Aruba networks HW-PSU-BLANK).....	87.32	
27 29 00 00-0262	EA		Aruba 6000 Series Supervisor / Line Card Slot Blank Panel (Aruba networks HW-SC-LC-BLANK).....	87.32	
<b>27 29 00 00-0263 ArubaOS Software (27 29 00 00-0001)</b>					
27 29 00 00-0264	EA		Security Software Bundle for A200 (8 AP License) (Aruba networks LIC-200-SEC).....	1,018.71	
27 29 00 00-0265	EA		Security Software Bundle for A800-4 (4 AP License) (Aruba networks LIC-804-SEC).....	1,455.30	
27 29 00 00-0266	EA		Security Software Bundle for A800-16 (16 AP License) (Aruba networks LIC-800-SEC).....	5,821.20	
27 29 00 00-0267	EA		Security Software Bundle Upgrade LIC-804-SEC to LIC-800-SEC (Aruba networks 804-UG-SEC-1).....	4,365.90	
27 29 00 00-0268	EA		Security Software Bundle for A2400-48 (48 AP License) (Aruba networks LIC-2400-SEC).....	11,642.40	
27 29 00 00-0269	EA		Security Software Bundle for Supervisor Card I (48 AP License) (Aruba networks LIC-SC1-SEC-48).....	14,553.00	
27 29 00 00-0270	EA		Security Software Bundle for Supervisor Card I (128 AP License) (Aruba networks LIC-SC1-SEC).....	23,284.80	
27 29 00 00-0271	EA		Security Software Bundle for Supervisor Card II (256 AP License) (Aruba networks LIC-SC2-SEC).....	46,569.60	
27 29 00 00-0272	EA		Security Software for Supervisor Card I (Upgrade 48 AP to 128 AP) (Aruba networks LIC-SC1-SEC-UG-1).....	14,553.00	
27 29 00 00-0273	EA		Policy Enforcement Firewall Module for A200 (8 AP License) (Aruba networks LIC-200-PEF).....	509.36	
27 29 00 00-0274	EA		Policy Enforcement Firewall Module for A800-4 (4 AP License) (Aruba networks LIC-804-PEF).....	727.65	
27 29 00 00-0275	EA		Policy Enforcement Firewall Module for A800-16 (16 AP License) (Aruba networks LIC-800-PEF).....	2,910.60	
27 29 00 00-0276	EA		Policy Enforcement Firewall Upgrade LIC-804-PEF to LIC-800-PEF (Aruba networks 804-UG-PEF-1).....	2,182.95	
27 29 00 00-0277	EA		Policy Enforcement Firewall Module for A2400-48 (48 AP License) (Aruba networks LIC-2400-PEF).....	5,821.20	
27 29 00 00-0278	EA		Policy Enforcement Firewall Module for Aruba Supervisor Card I (48 AP) (Aruba networks LIC-SC1-PEF-48).....	7,276.50	
27 29 00 00-0279	EA		Policy Enforcement Firewall Module for Aruba Supervisor Card I (128 AP) (Aruba networks LIC-SC1-PEF).....	11,642.40	
27 29 00 00-0280	EA		Policy Enforcement Firewall Module for Aruba Supervisor Card II (256 AP) (Aruba networks LIC-SC2-PEF).....	23,284.80	
27 29 00 00-0281	EA		Policy Enforcement Firewall for Supervisor Card I (Upgrade 48 AP to 128 AP) (Aruba networks LIC-SC1-PEF-UG-1).....	7,276.50	
27 29 00 00-0282	EA		Policy Enforcement Firewall Module License (32 Users) (Aruba networks LIC-PEF-32).....	422.04	
27 29 00 00-0283	EA		Policy Enforcement Firewall Module License (64 Users) (Aruba networks LIC-PEF-64).....	800.42	
27 29 00 00-0284	EA		Policy Enforcement Firewall Module License (128 Users) (Aruba networks LIC-PEF-128).....	1,528.06	

## 27 Communications

## 27 20 Data Communications

## 27 29 Data Communications Network Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0285	EA		Policy Enforcement Firewall Module License (256 Users) (Aruba networks LIC-PEF-256)	2,910.60	
27 29 00 00-0286	EA		Policy Enforcement Firewall Module License (512 Users) (Aruba networks LIC-PEF-512)	5,530.14	
27 29 00 00-0287	EA		Policy Enforcement Firewall Module License (1024 Users) (Aruba networks LIC-PEF-1024)	10,478.16	
27 29 00 00-0288	EA		Policy Enforcement Firewall Module License (2048 Users) (Aruba networks LIC-PEF-2048)	19,792.08	
27 29 00 00-0289	EA		Policy Enforcement Firewall Module License (4096 Users) (Aruba networks LIC-PEF-4096)	35,625.74	
27 29 00 00-0290	EA		Policy Enforcement Firewall Module License (8192 Users) (Aruba networks LIC-PEF-8192)	63,334.66	
27 29 00 00-0291	EA		Policy Enforcement Firewall (1 AP License) (Aruba networks LIC-PEFNG-1)	116.42	
27 29 00 00-0292	EA		Policy Enforcement Firewall (2 AP License) (Aruba networks LIC-PEFNG-2)	218.30	
27 29 00 00-0293	EA		Policy Enforcement Firewall (4 AP License) (Aruba networks LIC-PEFNG-4)	422.04	
27 29 00 00-0294	EA		Policy Enforcement Firewall (8 AP License) (Aruba networks LIC-PEFNG-8)	800.42	
27 29 00 00-0295	EA		Policy Enforcement Firewall (16 AP License) (Aruba networks LIC-PEFNG-16)	1,528.06	
27 29 00 00-0296	EA		Policy Enforcement Firewall (32 AP License) (Aruba networks LIC-PEFNG-32)	2,910.60	
27 29 00 00-0297	EA		Policy Enforcement Firewall (64 AP License) (Aruba networks LIC-PEFNG-64)	5,530.14	
27 29 00 00-0298	EA		Policy Enforcement Firewall (128 AP License) (Aruba networks LIC-PEFNG-128)	10,478.16	
27 29 00 00-0299	EA		Policy Enforcement Firewall (256 AP License) (Aruba networks LIC-PEFNG-256)	19,792.08	
27 29 00 00-0300	EA		Policy Enforcement Firewall (384 AP License) (Aruba networks LIC-PEFNG-384)	28,203.71	
27 29 00 00-0301	EA		Policy Enforcement Firewall (512 AP License) (Aruba networks LIC-PEFNG-512)	35,625.74	
27 29 00 00-0302	EA		Policy Enforcement Firewall (1024 AP License) (Aruba networks LIC-PEFNG-1024)	63,334.66	
27 29 00 00-0303	EA		Policy Enforcement Firewall (2048 AP License) (Aruba networks LIC-PEFNG-2048)	110,835.65	
27 29 00 00-0304	EA		Policy Enforcement Firewall for Aruba 620 (VIA/VPN users) (Aruba networks LIC-620-PEFV)	582.12	
27 29 00 00-0305	EA		Policy Enforcement Firewall for Aruba 650 (VIA/VPN users) (Aruba networks LIC-650-PEFV)	1,164.24	
27 29 00 00-0306	EA		Policy Enforcement Firewall for Aruba 651 (VIA/VPN users) (Aruba networks LIC-651-PEFV)	1,164.24	
27 29 00 00-0307	EA		Policy Enforcement Firewall for Aruba 3200 (VIA/VPN users) (Aruba networks LIC-3200-PEFV)	3,929.31	
27 29 00 00-0308	EA		Policy Enforcement Firewall for Aruba 3400 (VIA/VPN users) (Aruba networks LIC-3400-PEFV)	7,130.97	
27 29 00 00-0309	EA		Policy Enforcement Firewall for Aruba 3600 (VIA/VPN users) (Aruba networks LIC-3600-PEFV)	7,130.97	
27 29 00 00-0310	EA		Policy Enforcement Firewall for Aruba M3 (VIA/VPN users) (Aruba networks LIC-M3-PEFV)	7,130.97	
27 29 00 00-0311	EA		Policy Enforcement Firewall for Aruba 7210 (VIA/VPN users) (Aruba networks LIC-7210-PEFV)	23,284.80	
27 29 00 00-0312	EA		Policy Enforcement Firewall for Aruba 7220 (VIA/VPN users) (Aruba networks LIC-7220-PEFV)	34,927.20	
27 29 00 00-0313	EA		Policy Enforcement Firewall for Aruba 7240 (VIA/VPN users) (Aruba networks LIC-7240-PEFV)	46,569.60	
27 29 00 00-0314	EA		Wireless Intrusion Protection Module for A200 (8 AP License) (Aruba networks LIC-200-WIP)	509.36	
27 29 00 00-0315	EA		Wireless Intrusion Protection Module for A800-4 (4 AP License) (Aruba networks LIC-804-WIP)	727.65	
27 29 00 00-0316	EA		Wireless Intrusion Protection Module for A800-16 (16 AP License) (Aruba networks LIC-800-WIP)	2,910.60	
27 29 00 00-0317	EA		Wireless Intrusion Protection Module Upgrade LIC-804-WIP to LIC-800-WIP (Aruba networks 804-UG-WIP-1)	2,182.95	
27 29 00 00-0318	EA		Wireless Intrusion Protection Module for A2400-48 (48 AP License) (Aruba networks LIC-2400-WIP)	5,821.20	
27 29 00 00-0319	EA		Wireless Intrusion Protection Module for Aruba Supervisor Card I (48 AP) (Aruba networks LIC-SC1-WIP-48)	7,276.50	
27 29 00 00-0320	EA		Wireless Intrusion Protection Module for Aruba Supervisor Card I (128 AP) (Aruba networks LIC-SC1-WIP)	11,642.40	
27 29 00 00-0321	EA		Wireless Intrusion Protection Module for Aruba Supervisor Card II (256 AP) (Aruba networks LIC-SC2-WIP)	23,284.80	
27 29 00 00-0322	EA		Wireless Intrusion Protection for Sup. Card I (Upgrade 48 AP to 128 AP) (Aruba networks LIC-SC1-WIP-UG-1)	7,276.50	
27 29 00 00-0323	EA		RF Protect License including WIP and Spectrum (1 AP Support) (Aruba networks LIC-RFP-1)	101.87	
27 29 00 00-0324	EA		RF Protect License including WIP and Spectrum (2 AP Support) (Aruba networks LIC-RFP-2)	189.19	
27 29 00 00-0325	EA		RF Protect License including WIP and Spectrum (4 AP Support) (Aruba networks LIC-RFP-4)	349.27	
27 29 00 00-0326	EA		RF Protect License including WIP and Spectrum (8 AP Support) (Aruba networks LIC-RFP-8)	654.88	
27 29 00 00-0327	EA		RF Protect License including WIP and Spectrum (16 AP Support) (Aruba networks LIC-RFP-16)	1,222.45	
27 29 00 00-0328	EA		RF Protect License including WIP and Spectrum (32 AP Support) (Aruba networks LIC-RFP-32)	2,328.48	
27 29 00 00-0329	EA		RF Protect License including WIP and Spectrum (64 AP Support) (Aruba networks LIC-RFP-64)	4,409.56	
27 29 00 00-0330	EA		RF Protect License including WIP and Spectrum (128 AP Support) (Aruba networks LIC-RFP-128)	8,324.32	
27 29 00 00-0331	EA		RF Protect License including WIP and Spectrum (256 AP Support) (Aruba networks LIC-RFP-256)	14,989.59	
27 29 00 00-0332	EA		RF Protect License including WIP and Spectrum (384 AP Support) (Aruba networks LIC-RFP-384)	21,232.83	
27 29 00 00-0333	EA		RF Protect License including WIP and Spectrum (512 AP Support) (Aruba networks LIC-RFP-512)	26,646.54	
27 29 00 00-0334	EA		RF Protect License including WIP and Spectrum (1024 AP Support) (Aruba networks LIC-RFP-1024)	46,627.81	
27 29 00 00-0335	EA		RF Protect License including WIP and Spectrum (2048 AP Support) (Aruba networks LIC-RFP-2048)	79,925.08	
27 29 00 00-0336	EA		Upgrade 800-04 to 800-16 (4 AP to 16 AP) (Aruba networks 804-UG-800)	4,365.90	
27 29 00 00-0337	EA		Access Point License (1 Access Point License) (Aruba networks LIC-1-AP)	109.15	
27 29 00 00-0338	EA		Access Point License (2 Access Point License) (Aruba networks LIC-2-AP)	218.30	
27 29 00 00-0339	EA		Access Point License (4 Access Point License) (Aruba networks LIC-4-AP)	436.59	
27 29 00 00-0340	EA		Access Point License (8 Access Point License) (Aruba networks LIC-8-AP)	873.18	
27 29 00 00-0341	EA		Access Point License (16 Access Point License) (Aruba networks LIC-16-AP)	1,746.36	
27 29 00 00-0342	EA		Access Point License (32 Access Point License) (Aruba networks LIC-32-AP)	3,318.08	
27 29 00 00-0343	EA		Access Point License (64 Access Point License) (Aruba networks LIC-64-AP)	6,286.90	
27 29 00 00-0344	EA		Access Point License (128 Access Point License) (Aruba networks LIC-128-AP)	11,875.25	
27 29 00 00-0345	EA		Access Point License (256 Access Point License) (Aruba networks LIC-256-AP)	22,571.70	
27 29 00 00-0346	EA		Access Point License (384 Access Point License) (Aruba networks LIC-384-AP)	32,962.54	
27 29 00 00-0347	EA		Access Point License (512 Access Point License) (Aruba networks LIC-512-AP)	42,756.71	
27 29 00 00-0348	EA		Access Point License (1024 Access Point License) (Aruba networks LIC-1024-AP)	80,754.60	
27 29 00 00-0349	EA		Access Point License (2048 Access Point License) (Aruba networks LIC-2048-AP)	152,006.08	
27 29 00 00-0350	EA		Security Software Bundle (1 AP License) (Aruba networks LIC-SEC-1)	218.30	
27 29 00 00-0351	EA		Security Software Bundle (2 AP License) (Aruba networks LIC-SEC-2)	407.48	
27 29 00 00-0352	EA		Security Software Bundle (4 AP License) (Aruba networks LIC-SEC-4)	771.31	
27 29 00 00-0353	EA		Security Software Bundle (8 AP License) (Aruba networks LIC-SEC-8)	1,455.30	
27 29 00 00-0354	EA		Security Software Bundle (16 AP License) (Aruba networks LIC-SEC-16)	2,750.52	
27 29 00 00-0355	EA		Security Software Bundle (32 AP License) (Aruba networks LIC-SEC-32)	5,239.08	
27 29 00 00-0356	EA		Security Software Bundle (64 AP License) (Aruba networks LIC-SEC-64)	9,939.70	
27 29 00 00-0357	EA		Security Software Bundle (128 AP License) (Aruba networks LIC-SEC-128)	18,802.48	
27 29 00 00-0358	EA		Security Software Bundle (256 AP License) (Aruba networks LIC-SEC-256)	34,781.67	
27 29 00 00-0359	EA		Security Software Bundle (384 AP License) (Aruba networks LIC-SEC-384)	49,436.54	
27 29 00 00-0360	EA		Security Software Bundle (512 AP License) (Aruba networks LIC-SEC-512)	62,272.29	
27 29 00 00-0361	EA		Security Software Bundle (1024 AP License) (Aruba networks LIC-SEC-1024)	109,962.47	
27 29 00 00-0362	EA		Remote Access Point License (Single Access Point License) (Aruba networks LIC-1-RAP)	109.15	
27 29 00 00-0363	EA		Remote Access Point License (4 Access Point License) (Aruba networks LIC-4-RAP)	436.59	
27 29 00 00-0364	EA		Remote Access Point License (6 Access Point License) (Aruba networks LIC-6-RAP)	654.88	
27 29 00 00-0365	EA		Remote Access Point License (8 Access Point License) (Aruba networks LIC-8-RAP)	873.18	
27 29 00 00-0366	EA		Remote Access Point License (16 Access Point License) (Aruba networks LIC-16-RAP)	1,746.36	
27 29 00 00-0367	EA		Remote Access Point License (24 Access Point License) (Aruba networks LIC-24-RAP)	2,619.54	
27 29 00 00-0368	EA		Remote Access Point License (32 Access Point License) (Aruba networks LIC-32-RAP)	3,318.08	
27 29 00 00-0369	EA		Remote Access Point License (48 Access Point License) (Aruba networks LIC-48-RAP)	4,977.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 29 00 00-0370	EA	Remote Access Point License (64 Access Point License) (Aruba networks LIC-64-RAP).....	6,286.90
27 29 00 00-0371	EA	Remote Access Point License (128 Access Point License) (Aruba networks LIC-128-RAP).....	11,875.25
27 29 00 00-0372	EA	Remote Access Point License (256 Access Point License) (Aruba networks LIC-256-RAP).....	22,571.70
27 29 00 00-0373	EA	Remote Access Point License (512 Access Point License) (Aruba networks LIC-512-RAP).....	42,756.71
27 29 00 00-0374	EA	Remote Access Point License (1024 Access Point License) (Aruba networks LIC-1024-RAP).....	80,754.60
27 29 00 00-0375	EA	xSec Module Upgrade LIC-804-XSC to LIC-800-XSC (Aruba networks 804-UG-XSC-1).....	2,182.95
27 29 00 00-0376	EA	xSec Module for A200 (8 AP License) (Aruba networks LIC-200-XSC).....	509.36
27 29 00 00-0377	EA	xSec Module for A2400-48 (48 AP License) (Aruba networks LIC-2400-XSC).....	5,821.20
27 29 00 00-0378	EA	xSec Module for A800-16 (16 AP License) (Aruba networks LIC-800-XSC).....	2,910.60
27 29 00 00-0379	EA	xSec Module for A800-4 (4 AP License) (Aruba networks LIC-804-XSC).....	727.65
27 29 00 00-0380	EA	xSec Module for Aruba Supervisor Card I (128 AP) (Aruba networks LIC-SC1-XSC).....	11,642.40
27 29 00 00-0381	EA	xSec Module for Aruba Supervisor Card I (48 AP) (Aruba networks LIC-SC1-XSC-48).....	7,276.50
27 29 00 00-0382	EA	xSec Module for Supervisor Card I (Upgrade 48 AP to 128 AP) (Aruba networks LIC-SC1-XSC-UG-1).....	7,276.50
27 29 00 00-0383	EA	xSec Module for Aruba Supervisor Card II (256 AP) (Aruba networks LIC-SC2-XSC).....	23,284.80
27 29 00 00-0384	EA	xSec Module License (1024 Sessions) (Aruba networks LIC-XSC-1024).....	10,478.16
27 29 00 00-0385	EA	xSec Module License (32 Sessions) (Aruba networks LIC-XSC-32).....	422.04
27 29 00 00-0386	EA	xSec Module License (64 Sessions) (Aruba networks LIC-XSC-64).....	800.42
27 29 00 00-0387	EA	xSec Module License (128 Sessions) (Aruba networks LIC-XSC-128).....	1,528.06
27 29 00 00-0388	EA	xSec Module License (256 Sessions) (Aruba networks LIC-XSC-256).....	2,910.60
27 29 00 00-0389	EA	xSec Module License (512 Sessions) (Aruba networks LIC-XSC-512).....	5,530.14
27 29 00 00-0390	EA	xSec Module License (2048 Sessions) (Aruba networks LIC-XSC-2048).....	19,792.08
27 29 00 00-0391	EA	xSec Module License (4096 Sessions) (Aruba networks LIC-XSC-4096).....	35,625.74
27 29 00 00-0392	EA	xSec Module License (8192 Sessions) (Aruba networks LIC-XSC-8192).....	63,334.66
27 29 00 00-0393	EA	Advanced Cryptography (8 Sessions) (Aruba networks LIC-ACR-8).....	1,484.41
27 29 00 00-0394	EA	Advanced Cryptography (32 Sessions) (Aruba networks LIC-ACR-32).....	5,559.25
27 29 00 00-0395	EA	Advanced Cryptography (64 Sessions) (Aruba networks LIC-ACR-64).....	10,449.05
27 29 00 00-0396	EA	Advanced Cryptography (128 Sessions) (Aruba networks LIC-ACR-128).....	19,646.55
27 29 00 00-0397	EA	Advanced Cryptography (256 Sessions) (Aruba networks LIC-ACR-256).....	36,920.96
27 29 00 00-0398	EA	Advanced Cryptography (512 Sessions) (Aruba networks LIC-ACR-512).....	69,403.26
27 29 00 00-0399	EA	Advanced Cryptography (1024 Sessions) (Aruba networks LIC-ACR-1024).....	122,972.85
27 29 00 00-0400	EA	PoE License for 600 Series (4 Ports) (Aruba networks LIC-4-POE).....	174.64

**27 29 00 00-0401 AirWave** (27 29 00 00-0001)

27 29 00 00-0402	EA	AirWave license for 25 devices (Aruba networks AW-25).....	4,002.08
27 29 00 00-0403	EA	AirWave license for 50 devices (Aruba networks AW-50).....	7,269.22
27 29 00 00-0404	EA	AirWave license for 100 devices (Aruba networks AW-100).....	13,090.42
27 29 00 00-0405	EA	AirWave license for 200 devices (Aruba networks AW-200).....	21,822.22
27 29 00 00-0406	EA	AirWave license for 500 devices (Aruba networks AW-500).....	40,013.47
27 29 00 00-0407	EA	AirWave license for 1000 devices (Aruba networks AW-1000).....	53,838.82
27 29 00 00-0408	EA	AirWave license for 2500 devices (Aruba networks AW-2500).....	123,693.22
27 29 00 00-0409	EA	AirWave site license for 2500 devices (Aruba networks AW-SL2500).....	178,274.25
27 29 00 00-0410	EA	AirWave expansion license (Aruba networks AW-EXP1-50).....	144.07
27 29 00 00-0411	EA	AirWave expansion license (2500 volume) (Aruba networks AW-EXP1-2500).....	49.48
27 29 00 00-0412	EA	AirWave site license expansion (Aruba networks AW-EXP1-SL2500).....	71.31
27 29 00 00-0413	EA	AirWave Failover for 25 devices (Aruba networks AW-25-FR).....	1,200.62
27 29 00 00-0414	EA	AirWave Failover for 50 devices (Aruba networks AW-50-FR).....	2,175.67
27 29 00 00-0415	EA	AirWave Failover for 100 devices (Aruba networks AW-100-FR).....	3,922.03
27 29 00 00-0416	EA	AirWave Failover for 200 devices (Aruba networks AW-200-FR).....	6,541.57
27 29 00 00-0417	EA	AirWave Failover for 500 devices (Aruba networks AW-500-FR).....	11,635.12
27 29 00 00-0418	EA	AirWave Failover for 1000 devices (Aruba networks AW-1000-FR).....	14,545.72
27 29 00 00-0419	EA	AirWave Failover for 2500 devices (Aruba networks AW-2500-FR).....	36,375.22
27 29 00 00-0420	EA	AirWave Failover expansion license (Aruba networks AW-EXF1-50).....	43.66
27 29 00 00-0421	EA	AirWave failover expansion (2500 volume) (Aruba networks AW-EXF1-2500).....	14.55
27 29 00 00-0422	EA	AirWave Master Console (Aruba networks AW-MASTER).....	21,822.22
27 29 00 00-0423	EA	Hardware appliance for AirWave Professional Edition and smaller software licenses (Aruba networks AW-HW-PRO).....	71,127.79
27 29 00 00-0424	EA	Hardware appliance for AirWave Enterprise Edition and smaller software licenses (Aruba networks AW-HW-ENT).....	95,001.98
27 29 00 00-0425	EA	717W redundant power supply for the AW-HW-PRO and AW-HW-ENT appliance hardware. Customer Install. (Aruba networks AW-HW-PSU).....	1,549.89

**27 29 00 00-0426 Amigopod** (27 29 00 00-0001)

27 29 00 00-0427	EA	SW starter kit (includes 100 user license) (Aruba networks AMG-SW-100).....	14,545.72
27 29 00 00-0428	EA	HW appliance kit (100 user license) (Aruba networks AMG-HW-100).....	21,822.22
27 29 00 00-0429	EA	HW appliance kit (2500 user license) (Aruba networks AMG-HW-2500).....	109,140.22
27 29 00 00-0430	EA	HA SW starter kit for AMG-SW-100 (Aruba networks AMG-SW-100R).....	14,545.72
27 29 00 00-0431	EA	HA HW appliance kit for AMG-HW-100 (Aruba networks AMG-HW-100R).....	21,822.22
27 29 00 00-0432	EA	Amigopod HW-2500 appliance with Amigopod software, no user license included, max 25,000 users (Aruba networks AMG-HW-BASE).....	52,383.52
27 29 00 00-0433	EA	Amigopod 50000 user expansion pack (Aruba networks AMG-LIC-50000).....	727,650.00
27 29 00 00-0434	EA	Amigopod 25000 user expansion pack (Aruba networks AMG-LIC-25000).....	454,781.25
27 29 00 00-0435	EA	Amigopod 10000 user expansion pack (Aruba networks AMG-LIC-10000).....	218,295.00
27 29 00 00-0436	EA	Amigopod 2500 user expansion pack (Aruba networks AMG-LIC-2500).....	72,757.72
27 29 00 00-0437	EA	Amigopod 1000 user expansion pack (Aruba networks AMG-LIC-1000).....	43,651.72
27 29 00 00-0438	EA	Amigopod 200 user expansion pack (Aruba networks AMG-LIC-200).....	21,822.22
27 29 00 00-0439	EA	50 User License Pack (Aruba networks AMG-LIC-50).....	5,813.92
27 29 00 00-0440	EA	Advertising Services Plugin 200 users (Aruba networks AMG-ADVERT-200).....	7,269.22
27 29 00 00-0441	EA	Advertising Services Plugin 500 users (Aruba networks AMG-ADVERT-500).....	14,545.72
27 29 00 00-0442	EA	Advertising Services Plugin 10,000 users (Aruba networks AMG-ADVERT-10000).....	43,651.72
27 29 00 00-0443	EA	UI Customization Service (Aruba networks AMG-SKIN-PS).....	3,638.25

**27 29 00 00-0444 ClearPass** (27 29 00 00-0001)

## 27 Communications

## 27 20 Data Communications

## 27 29 Data Communications Network Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0445	EA		Aruba ClearPass Policy Manager 500 HW Appliance - RADIUS/TACACS+ server with advanced policy control for up to 500 unique endpoints. Includes 25 endpoint Enterprise License (Aruba networks CP-HW-500).....	14,553.00	
27 29 00 00-0446	EA		Aruba ClearPass Policy Manager 5K HW Appliance - RADIUS/TACACS+ server with advanced policy control for up to 5,000 unique endpoints. Includes 25 endpoint Enterprise License (Aruba networks CP-HW-5K) .....	32,744.25	
27 29 00 00-0447	EA		Aruba ClearPass Policy Manager 25K HW Appliance - RADIUS/TACACS+ server with advanced policy control for up to 25,000 unique endpoints. Includes 25 endpoint Enterprise License (Aruba networks CP-HW-25K) .....	94,594.50	
27 29 00 00-0448	EA		Aruba ClearPass Policy Manager 500 Virtual Appliance - RADIUS/TACACS+ server with advanced policy control for up to 500 unique endpoints. Includes 25 endpoint Enterprise License (Aruba networks CP-VA-500) .....	9,459.45	
27 29 00 00-0449	EA		Aruba ClearPass Policy Manager 5K Virtual Appliance - RADIUS/TACACS+ server with advanced policy control for up to 5,000 unique endpoints. Includes 25 endpoint Enterprise License (Aruba networks CP-VA-5K) .....	21,829.50	
27 29 00 00-0450	EA		Aruba ClearPass Policy Manager 25K Virtual Appliance - RADIUS/TACACS+ server with advanced policy control for up to 25,000 unique endpoints. Includes 25 endpoint Enterprise License (Aruba networks CP-VA-25K) .....	80,041.50	
27 29 00 00-0451	EA		OnGuard License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks LIC-CP-OG-100) .....	3,274.42	
27 29 00 00-0452	EA		OnGuard License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks LIC-CP-OG-500) .....	16,372.12	
27 29 00 00-0453	EA		OnGuard License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks LIC-CP-OG-1K) .....	26,195.40	
27 29 00 00-0454	EA		OnGuard License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks LIC-CP-OG-2500) .....	65,488.50	
27 29 00 00-0455	EA		OnGuard License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks LIC-CP-OG-5K) .....	98,232.75	
27 29 00 00-0456	EA		OnGuard License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks LIC-CP-OG-10K) .....	196,465.50	
27 29 00 00-0457	EA		OnGuard License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks LIC-CP-OG-25K) .....	327,442.50	
27 29 00 00-0458	EA		OnGuard License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks LIC-CP-OG-50K) .....	654,885.00	
27 29 00 00-0459	EA		OnGuard License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks LIC-CP-OG-100K) .....	1,309,770.00	
27 29 00 00-0460	EA		Onboard License for Aruba ClearPass Policy Manager - 100 devices (Aruba networks LIC-CP-OB-100) .....	5,093.55	
27 29 00 00-0461	EA		Onboard License for Aruba ClearPass Policy Manager - 500 devices (Aruba networks LIC-CP-OB-500) .....	24,740.10	
27 29 00 00-0462	EA		Onboard License for Aruba ClearPass Policy Manager - 1,000 devices (Aruba networks LIC-CP-OB-1K) .....	43,295.18	
27 29 00 00-0463	EA		Onboard License for Aruba ClearPass Policy Manager - 2,500 devices (Aruba networks LIC-CP-OB-2500) .....	92,775.38	
27 29 00 00-0464	EA		Onboard License for Aruba ClearPass Policy Manager - 5,000 devices (Aruba networks LIC-CP-OB-5K) .....	166,995.68	
27 29 00 00-0465	EA		Onboard License for Aruba ClearPass Policy Manager - 10,000 devices (Aruba networks LIC-CP-OB-10K) .....	309,251.25	
27 29 00 00-0466	EA		Onboard License for Aruba ClearPass Policy Manager - 25,000 devices (Aruba networks LIC-CP-OB-25K) .....	618,502.50	
27 29 00 00-0467	EA		Onboard License for Aruba ClearPass Policy Manager - 50,000 devices (Aruba networks LIC-CP-OB-50K) .....	927,753.75	
27 29 00 00-0468	EA		Onboard License for Aruba ClearPass Policy Manager - 100,000 devices (Aruba networks LIC-CP-OB-100K) .....	1,382,535.00	
27 29 00 00-0469	EA		Guest License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks LIC-CP-GM-100) .....	4,365.90	
27 29 00 00-0470	EA		Guest License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks LIC-CP-GM-500) .....	14,553.00	
27 29 00 00-0471	EA		Guest License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks LIC-CP-GM-1K) .....	23,284.80	
27 29 00 00-0472	EA		Guest License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks LIC-CP-GM-2500) .....	58,212.00	
27 29 00 00-0473	EA		Guest License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks LIC-CP-GM-5K) .....	87,318.00	
27 29 00 00-0474	EA		Guest License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks LIC-CP-GM-10K) .....	145,530.00	
27 29 00 00-0475	EA		Guest License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks LIC-CP-GM-25K) .....	291,060.00	
27 29 00 00-0476	EA		Guest License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks LIC-CP-GM-50K) .....	436,590.00	
27 29 00 00-0477	EA		Guest License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks LIC-CP-GM-100K) .....	727,650.00	
27 29 00 00-0478	EA		Enterprise License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks LIC-CP-EN-100) .....	6,185.02	
27 29 00 00-0479	EA		Enterprise License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks LIC-CP-EN-500) .....	29,469.82	
27 29 00 00-0480	EA		Enterprise License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks LIC-CP-EN-1K) .....	52,390.80	
27 29 00 00-0481	EA		Enterprise License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks LIC-CP-EN-2500) .....	98,232.75	
27 29 00 00-0482	EA		Enterprise License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks LIC-CP-EN-5K) .....	157,172.40	
27 29 00 00-0483	EA		Enterprise License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks LIC-CP-EN-10K) .....	314,344.80	
27 29 00 00-0484	EA		Enterprise License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks LIC-CP-EN-25K) .....	687,629.25	
27 29 00 00-0485	EA		Enterprise License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks LIC-CP-EN-50K) .....	1,244,281.50	
27 29 00 00-0486	EA		Enterprise License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks LIC-CP-EN-100K) .....	2,488,563.00	
27 29 00 00-0487	EA		Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB1-CP-EN-100) .....	2,910.60	
27 29 00 00-0488	EA		Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB1-CP-EN-500) .....	13,097.70	
27 29 00 00-0489	EA		Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB1-CP-EN-1K) .....	23,284.80	
27 29 00 00-0490	EA		Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB1-CP-EN-2500) .....	43,659.00	
27 29 00 00-0491	EA		Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB1-CP-EN-5K) .....	69,854.40	
27 29 00 00-0492	EA		Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB1-CP-EN-10K) .....	139,708.80	
27 29 00 00-0493	EA		Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB1-CP-EN-25K) .....	305,613.00	
27 29 00 00-0494	EA		Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB1-CP-EN-50K) .....	553,014.00	
27 29 00 00-0495	EA		Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB1-CP-EN-100K) .....	1,106,028.00	
27 29 00 00-0496	EA		Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB3-CP-EN-100) .....	6,912.68	
27 29 00 00-0497	EA		Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB3-CP-EN-500) .....	32,744.25	
27 29 00 00-0498	EA		Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB3-CP-EN-1K) .....	58,212.00	
27 29 00 00-0499	EA		Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB3-CP-EN-2500) .....	109,147.50	
27 29 00 00-0500	EA		Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB3-CP-EN-5K) .....	174,636.00	
27 29 00 00-0501	EA		Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB3-CP-EN-10K) .....	349,272.00	
27 29 00 00-0502	EA		Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB3-CP-EN-25K) .....	764,032.50	
27 29 00 00-0503	EA		Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB3-CP-EN-50K) .....	1,382,535.00	
27 29 00 00-0504	EA		Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB3-CP-EN-100K) .....	2,765,070.00	
27 29 00 00-0505	EA		Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB5-CP-EN-100) .....	8,731.80	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0506 EA Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB5-CP-EN-500).....	41,112.22	
27 29 00 00-0507 EA Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB5-CP-EN-1K).....	72,765.00	
27 29 00 00-0508 EA Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB5-CP-EN-2500).....	136,434.38	
27 29 00 00-0509 EA Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB5-CP-EN-5K).....	218,295.00	
27 29 00 00-0510 EA Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB5-CP-EN-10K).....	436,590.00	
27 29 00 00-0511 EA Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB5-CP-EN-25K).....	955,040.62	
27 29 00 00-0512 EA Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB5-CP-EN-50K).....	1,728,168.75	
27 29 00 00-0513 EA Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB5-CP-EN-100K).....	3,456,337.50	
27 29 00 00-0514 EA Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 100 devices (Aruba networks SUB1-CP-OB-100).....	2,182.95	
27 29 00 00-0515 EA Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 500 devices (Aruba networks SUB1-CP-OB-500).....	10,914.75	
27 29 00 00-0516 EA Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 devices (Aruba networks SUB1-CP-OB-1K).....	19,646.55	
27 29 00 00-0517 EA Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 devices (Aruba networks SUB1-CP-OB-2500).....	41,476.05	
27 29 00 00-0518 EA Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 devices (Aruba networks SUB1-CP-OB-5K).....	74,220.30	
27 29 00 00-0519 EA Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 devices (Aruba networks SUB1-CP-OB-10K).....	137,525.85	
27 29 00 00-0520 EA Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 devices (Aruba networks SUB1-CP-OB-25K).....	274,324.05	
27 29 00 00-0521 EA Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 devices (Aruba networks SUB1-CP-OB-50K).....	411,849.90	
27 29 00 00-0522 EA Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 devices (Aruba networks SUB1-CP-OB-100K).....	613,408.95	
27 29 00 00-0523 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 100 devices (Aruba networks SUB3-CP-OB-100).....	5,821.20	
27 29 00 00-0524 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 500 devices (Aruba networks SUB3-CP-OB-500).....	27,286.88	
27 29 00 00-0525 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 devices (Aruba networks SUB3-CP-OB-1K).....	48,024.90	
27 29 00 00-0526 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 devices (Aruba networks SUB3-CP-OB-2500).....	102,962.48	
27 29 00 00-0527 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 devices (Aruba networks SUB3-CP-OB-5K).....	185,550.75	
27 29 00 00-0528 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 devices (Aruba networks SUB3-CP-OB-10K).....	342,723.15	
27 29 00 00-0529 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 devices (Aruba networks SUB3-CP-OB-25K).....	686,537.78	
27 29 00 00-0530 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 devices (Aruba networks SUB3-CP-OB-50K).....	1,029,624.75	
27 29 00 00-0531 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 devices (Aruba networks SUB3-CP-OB-100K).....	1,534,613.85	
27 29 00 00-0532 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 100 devices (Aruba networks SUB5-CP-OB-100).....	7,276.50	
27 29 00 00-0533 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 500 devices (Aruba networks SUB5-CP-OB-500).....	34,199.55	
27 29 00 00-0534 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 devices (Aruba networks SUB5-CP-OB-1K).....	60,394.95	
27 29 00 00-0535 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 devices (Aruba networks SUB5-CP-OB-2500).....	129,157.88	
27 29 00 00-0536 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 devices (Aruba networks SUB5-CP-OB-5K).....	232,120.35	
27 29 00 00-0537 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 devices (Aruba networks SUB5-CP-OB-10K).....	430,041.15	
27 29 00 00-0538 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 devices (Aruba networks SUB5-CP-OB-25K).....	859,718.48	
27 29 00 00-0539 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 devices (Aruba networks SUB5-CP-OB-50K).....	1,287,940.50	
27 29 00 00-0540 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 devices (Aruba networks SUB5-CP-OB-100K).....	1,921,723.65	
27 29 00 00-0541 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB1-CP-GM-100).....	1,819.12	
27 29 00 00-0542 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB1-CP-GM-500).....	6,548.85	
27 29 00 00-0543 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB1-CP-GM-1K).....	10,550.92	
27 29 00 00-0544 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB1-CP-GM-2500).....	25,831.58	
27 29 00 00-0545 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB1-CP-GM-5K).....	38,929.28	
27 29 00 00-0546 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB1-CP-GM-10K).....	64,760.85	
27 29 00 00-0547 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB1-CP-GM-25K).....	129,157.88	
27 29 00 00-0548 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB1-CP-GM-50K).....	194,282.55	
27 29 00 00-0549 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB1-CP-GM-100K).....	323,076.60	

**27 Communications****27 20 Data Communications****27 29 Data Communications Network Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0550	EA		Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB3-CP-GM-100).....	5,093.55	
27 29 00 00-0551	EA		Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB3-CP-GM-500).....	16,008.30	
27 29 00 00-0552	EA		Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB3-CP-GM-1K).....	25,831.58	
27 29 00 00-0553	EA		Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB3-CP-GM-2500).....	64,760.85	
27 29 00 00-0554	EA		Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB3-CP-GM-5K).....	96,777.45	
27 29 00 00-0555	EA		Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB3-CP-GM-10K).....	161,538.30	
27 29 00 00-0556	EA		Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB3-CP-GM-25K).....	323,076.60	
27 29 00 00-0557	EA		Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB3-CP-GM-50K).....	484,614.90	
27 29 00 00-0558	EA		Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB3-CP-GM-100K).....	807,691.50	
27 29 00 00-0559	EA		Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB5-CP-GM-100).....	6,185.02	
27 29 00 00-0560	EA		Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB5-CP-GM-500).....	20,374.20	
27 29 00 00-0561	EA		Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB5-CP-GM-1K).....	32,380.42	
27 29 00 00-0562	EA		Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB5-CP-GM-2500).....	80,769.15	
27 29 00 00-0563	EA		Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB5-CP-GM-5K).....	121,517.55	
27 29 00 00-0564	EA		Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB5-CP-GM-10K).....	202,286.70	
27 29 00 00-0565	EA		Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB5-CP-GM-25K).....	404,573.40	
27 29 00 00-0566	EA		Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB5-CP-GM-50K).....	606,860.10	
27 29 00 00-0567	EA		Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB5-CP-GM-100K).....	1,011,433.50	
27 29 00 00-0568	EA		OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB1-CP-OG-100).....	1,455.30	
27 29 00 00-0569	EA		OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB1-CP-OG-500).....	7,276.50	
27 29 00 00-0570	EA		OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB1-CP-OG-1K).....	11,642.40	
27 29 00 00-0571	EA		OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB1-CP-OG-2500).....	29,106.00	
27 29 00 00-0572	EA		OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB1-CP-OG-5K).....	43,659.00	
27 29 00 00-0573	EA		OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB1-CP-OG-10K).....	87,318.00	
27 29 00 00-0574	EA		OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB1-CP-OG-25K).....	144,802.35	
27 29 00 00-0575	EA		OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB1-CP-OG-50K).....	290,332.35	
27 29 00 00-0576	EA		OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB1-CP-OG-100K).....	581,392.35	
27 29 00 00-0577	EA		OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB3-CP-OG-100).....	4,365.90	
27 29 00 00-0578	EA		OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB3-CP-OG-500).....	18,191.25	
27 29 00 00-0579	EA		OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB3-CP-OG-1K).....	29,106.00	
27 29 00 00-0580	EA		OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB3-CP-OG-2500).....	72,765.00	
27 29 00 00-0581	EA		OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB3-CP-OG-5K).....	109,147.50	
27 29 00 00-0582	EA		OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB3-CP-OG-10K).....	217,567.35	
27 29 00 00-0583	EA		OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB3-CP-OG-25K).....	363,097.35	
27 29 00 00-0584	EA		OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB3-CP-OG-50K).....	726,922.35	
27 29 00 00-0585	EA		OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB3-CP-OG-100K).....	1,453,844.70	
27 29 00 00-0586	EA		OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB5-CP-OG-100).....	4,729.72	
27 29 00 00-0587	EA		OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB5-CP-OG-500).....	22,557.15	
27 29 00 00-0588	EA		OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB5-CP-OG-1K).....	36,382.50	
27 29 00 00-0589	EA		OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB5-CP-OG-2500).....	90,956.25	
27 29 00 00-0590	EA		OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB5-CP-OG-5K).....	145,530.00	
27 29 00 00-0591	EA		OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB5-CP-OG-10K).....	272,868.75	
27 29 00 00-0592	EA		OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB5-CP-OG-25K).....	454,781.25	
27 29 00 00-0593	EA		OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB5-CP-OG-50K).....	910,290.15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0594 EA OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB5-CP-OG-100K).....	1,819,125.00	
27 29 00 00-0595 EA 1-year Aruba QuickConnect Cloud Service Subscription – 1-1,000 users (price per user) - Includes support. (Aruba networks QC-1-C).....	8.73	
27 29 00 00-0596 EA 1-year Aruba QuickConnect Cloud Service Subscription – 1,001-5,000 users (price per user) - Includes support. (Aruba networks QC-2-C).....	6.55	
27 29 00 00-0597 EA 1-year Aruba QuickConnect Cloud Service Subscription – 5,001-10,000 users (price per user) - Includes support. (Aruba networks QC-3-C).....	5.09	
27 29 00 00-0598 EA 1-year Aruba QuickConnect Cloud Service Subscription – Increments of 10,000 users (price per user) - Includes support. (Aruba networks QC-4-C).....	3.64	
<b>27 29 00 00-0599 Aruba Instant Access Points</b> <small>(27 29 00 00-0001)</small>		
27 29 00 00-0600 EA Aruba Instant 92 Wireless Access Point, 802.11abgn, dual-band, single radio, antenna connectors. Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-92).....	574.84	
27 29 00 00-0601 EA Aruba Instant 92 Wireless Access Point, 802.11abgn, dual-band, single radio, antenna connectors. Restricted Regulatory Domain - US (Aruba networks IAP-92-US).....	574.84	
27 29 00 00-0602 EA Aruba Instant 92 Wireless Access Point, 802.11abgn, dual-band, single radio, antenna connectors. Restricted Regulatory Domain - IL (Aruba networks IAP-92-IL).....	574.84	
27 29 00 00-0603 EA Aruba Instant 92 Wireless Access Point, 802.11abgn, dual-band, single radio, antenna connectors. Restricted Regulatory Domain - JP (Aruba networks IAP-92-JP).....	574.84	
27 29 00 00-0604 EA Aruba Instant 93 Wireless Access Point, 802.11abgn, dual-band, single radio, integrated antennas. Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-93).....	574.84	
27 29 00 00-0605 EA Aruba Instant 93 Wireless Access Point, 802.11abgn, dual-band, single radio, integrated antennas. Restricted Regulatory Domain - US (Aruba networks IAP-93-US).....	574.84	
27 29 00 00-0606 EA Aruba Instant 93 Wireless Access Point, 802.11abgn, dual-band, single radio, integrated antennas. Restricted Regulatory Domain - IL (Aruba networks IAP-93-IL).....	574.84	
27 29 00 00-0607 EA Aruba Instant 93 Wireless Access Point, 802.11abgn, dual-band, single radio, integrated antennas. Restricted Regulatory Domain - JP (Aruba networks IAP-93-JP).....	574.84	
27 29 00 00-0608 EA Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-104).....	1,011.43	
27 29 00 00-0609 EA Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Restricted Regulatory Domain - US (Aruba networks IAP-104-US).....	1,011.43	
27 29 00 00-0610 EA Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Restricted Regulatory Domain - IL (Aruba networks IAP-104-IL).....	1,011.43	
27 29 00 00-0611 EA Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Restricted Regulatory Domain - JP (Aruba networks IAP-104-JP).....	1,011.43	
27 29 00 00-0612 EA Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-104-F1).....	1,156.96	
27 29 00 00-0613 EA Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-104-USF1).....	1,156.96	
27 29 00 00-0614 EA Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-105).....	1,011.43	
27 29 00 00-0615 EA Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Restricted Regulatory Domain - US (Aruba networks IAP-105-US).....	1,011.43	
27 29 00 00-0616 EA Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Restricted Regulatory Domain - IL (Aruba networks IAP-105-IL).....	1,011.43	
27 29 00 00-0617 EA Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Restricted Regulatory Domain - JP (Aruba networks IAP-105-JP).....	1,011.43	
27 29 00 00-0618 EA Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-105-F1).....	1,156.96	
27 29 00 00-0619 EA Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-105-USF1).....	1,156.96	
27 29 00 00-0620 EA Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-135).....	1,593.55	
27 29 00 00-0621 EA Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Restricted Regulatory Domain - US (Aruba networks IAP-135-US).....	1,593.55	
27 29 00 00-0622 EA Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Restricted Regulatory Domain - IL (Aruba networks IAP-135-IL).....	1,593.55	
27 29 00 00-0623 EA Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Restricted Regulatory Domain - JP (Aruba networks IAP-135-JP).....	1,593.55	
27 29 00 00-0624 EA Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-135-F1).....	1,884.61	
27 29 00 00-0625 EA Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-135-USF1).....	1,884.61	
27 29 00 00-0626 EA Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-134).....	1,593.55	
27 29 00 00-0627 EA Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Restricted Regulatory Domain - US (Aruba networks IAP-134-US).....	1,593.55	
27 29 00 00-0628 EA Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Restricted Regulatory Domain - IL (Aruba networks IAP-134-IL).....	1,593.55	
27 29 00 00-0629 EA Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Restricted Regulatory Domain - JP (Aruba networks IAP-134-JP).....	1,593.55	
27 29 00 00-0630 EA Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-134-F1).....	1,884.61	
27 29 00 00-0631 EA Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-134-USF1).....	1,884.61	

**27 Communications****27 20 Data Communications****27 29 Data Communications Network Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
27 29 00 00-0632	EA	Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-175P).....	3,339.91		
27 29 00 00-0633	EA	Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Restricted Regulatory Domain - US (Aruba networks IAP-175P-US) .....	3,339.91		
27 29 00 00-0634	EA	Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Restricted Regulatory Domain - IL (Aruba networks IAP-175P-IL) .....	3,339.91		
27 29 00 00-0635	EA	Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Restricted Regulatory Domain - JP (Aruba networks IAP-175P-JP) .....	3,339.91		
27 29 00 00-0636	EA	Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-175P-F1).....	3,849.27		
27 29 00 00-0637	EA	Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-175P-USF1) .....	3,849.27		
27 29 00 00-0638	EA	Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-175AC).....	3,776.50		
27 29 00 00-0639	EA	Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Restricted Regulatory Domain - US (Aruba networks IAP-175AC-US) .....	3,776.50		
27 29 00 00-0640	EA	Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Restricted Regulatory Domain - IL (Aruba networks IAP-175AC-IL).....	3,776.50		
27 29 00 00-0641	EA	Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Restricted Regulatory Domain - JP (Aruba networks IAP-175AC-JP).....	3,776.50		
27 29 00 00-0642	EA	Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-175AC-F1) .....	4,358.62		
27 29 00 00-0643	EA	Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-175AC-USF1) .....	4,358.62		
<b>27 29 00 00-0644</b>		<b>ARUBA S3500 Mobility Access Switch</b> (27 29 00 00-0001)			
27 29 00 00-0645	EA	S3500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. RoW regulatory (NOT for deployments in USA or Israel). (Aruba networks S3500-24P).....	5,813.92		
27 29 00 00-0646	EA	S3500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. US regulatory (for deployments in USA only). (Aruba networks S3500-24P-US) .....	5,813.92		
27 29 00 00-0647	EA	S3500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. IL regulatory (for deployments in Israel only). (Aruba networks S3500-24P-IL).....	5,813.92		
27 29 00 00-0648	EA	S3500-24T Mobility Access Switch with 24 10/100/1000BASE-T ports and optional uplink module slot (uplink module ordered separately). Includes 350W AC power supply. (Aruba networks S3500-24T).....	4,649.68		
27 29 00 00-0649	EA	S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. RoW regulatory (NOT for deployments in USA or Israel). (Aruba networks S3500-48P).....	10,179.82		
27 29 00 00-0650	EA	S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. US regulatory (for deployments in USA only). (Aruba networks S3500-48P-US) .....	10,179.82		
27 29 00 00-0651	EA	S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. IL regulatory (for deployments in Israel only). (Aruba networks S3500-48P-IL).....	10,179.82		
27 29 00 00-0652	EA	S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 1050W AC power supply. RoW regulatory (NOT for deployments in USA or Israel). (Aruba networks S3500-48PF) .....	10,907.47		
27 29 00 00-0653	EA	S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 1050W AC power supply. US regulatory (for deployments in USA only). (Aruba networks S3500-48PF-US) .....	10,907.47		
27 29 00 00-0654	EA	S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 1050W AC power supply. IL regulatory (for deployments in Israel only). (Aruba networks S3500-48PF-IL).....	10,907.47		
27 29 00 00-0655	EA	S3500-48T Mobility Access Switch with 48 10/100/1000BASE-T ports and optional uplink module slot (uplink module ordered separately). Includes 350W AC power supply. (Aruba networks S3500-48T).....	7,996.87		
27 29 00 00-0656	EA	S3500-24F Mobility Access Switch with 24 GbE SFP ports (optics ordered separately) and optional uplink module slot (uplink module ordered separately). Includes 350W AC power supply. (Aruba networks S3500-24F).....	10,179.82		
27 29 00 00-0657	EA	S3500 Uplink Module with 4 GbE/10GbE SFP/SFP+ (pluggable transceivers ordered separately) for use with S3500-24T, -24P, -48T, -48P and -48PF. Provides uplinks and ArubaStack interconnects. Includes one 50cm direct-attach cable (DAC) for ArubaStack. (Aruba networks S3500-4x10G).....	2,175.67		
27 29 00 00-0658	EA	350W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for 7200 Series, S3500-24T and S3500-48T. (Aruba networks PSU-350-AC).....	720.37		
27 29 00 00-0659	EA	600W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for S3500-24P, -48P, -24T, -48T. (Aruba networks PSU-600-AC).....	1,448.02		
27 29 00 00-0660	EA	1050W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for S3500-24P, -48P, -24T, -48T. (Aruba networks PSU-1050-AC).....	2,175.67		
<b>27 29 00 00-0661</b>		<b>ARUBA S2500 Mobility Access Switch</b> (27 29 00 00-0001)			
27 29 00 00-0662	EA	S2500-24T Mobility Access Switch with 24 10/100/1000BASE-T ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. (Aruba networks S2500-24T).....	4,358.62		
27 29 00 00-0663	EA	S2500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. RoW regulatory (NOT for deployments in USA or Israel). (Aruba networks S2500-24P).....	5,522.86		
27 29 00 00-0664	EA	S2500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. US regulatory (for deployments in USA only). (Aruba networks S2500-24P-US).....	5,522.86		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 29 00 00-0665	EA		S2500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. IL regulatory (for deployments in Israel only). (Aruba networks S2500-24P-IL) .....	5,522.86	
27 29 00 00-0666	EA		S2500-48T Mobility Access Switch with 48 10/100/1000BASE-T ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. (Aruba networks S2500-48T).....	7,560.28	
27 29 00 00-0667	EA		S2500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. RoW regulatory (NOT for deployments in USA or Israel). (Aruba networks S2500-48P).....	9,888.76	
27 29 00 00-0668	EA		S2500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. US regulatory (for deployments in USA only). (Aruba networks S2500-48P-US).....	9,888.76	
27 29 00 00-0669	EA		S2500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. IL regulatory (for deployments in Israel only). (Aruba networks S2500-48P-IL) .....	9,888.76	

**27 29 00 00-0670 ARUBA Mobility Access Switch Pluggable Transceivers** (27 29 00 00-0001)

27 29 00 00-0671	EA		10GBASE-LRM SFP+; 1310nm pluggable 10GbE optic; LC connector; up to 220 meters over multi-mode fiber (Type OM2) (Aruba networks SFP-10GE-LRM) .....	1,957.38	
27 29 00 00-0672	EA		10GBASE-SR SFP+; 850nm pluggable 10GbE optic; LC connector; up to 300 meters over multi-mode fiber (Type OM3) (Aruba networks SFP-10GE-SR) .....	1,811.85	
27 29 00 00-0673	EA		10GBASE-LR SFP+; 1310nm pluggable 10GbE optic; LC connector; up to 10,000 meters over single-mode fiber (Aruba networks SFP-10GE-LR) .....	3,630.97	
27 29 00 00-0674	EA		50cm length, 10GbE SFP+ direct attach cable (DAC); copper Twinax connectors on both ends for ArubaStack or interconnect between servers and switch (Aruba networks DAC-SFP-10GE-50CM) .....	211.02	
27 29 00 00-0675	EA		1m length, 10GbE SFP+ direct attach cable (DAC); copper Twinax connectors on both ends for ArubaStack or interconnect between servers and switch (Aruba networks DAC-SFP-10GE-1M).....	240.12	
27 29 00 00-0676	EA		3m length, 10GbE SFP+ direct attach cable (DAC); copper Twinax connectors on both ends for ArubaStack or interconnect between servers and switch (Aruba networks DAC-SFP-10GE-3M).....	283.78	
27 29 00 00-0677	EA		5m length, 10GbE SFP+ direct attach cable (DAC); copper Twinax connectors on both ends for ArubaStack or interconnect between servers and switch (Aruba networks DAC-SFP-10GE-5M).....	327.44	
27 29 00 00-0678	EA		7m length, 10GbE SFP+ direct attach cable (DAC); copper Twinax connectors on both ends for ArubaStack or interconnect between servers and switch (Aruba networks DAC-SFP-10GE-7M).....	356.55	
27 29 00 00-0679	EA		1000BASE-SX SFP; 850nm pluggable GbE optic; LC connector; up to 300 meters over multi-mode fiber (Type OM2) (Aruba networks SFP-SX).....	574.84	

**27 29 00 00-0680 ARUBA Mobility Access Switch Accessories And Spares** (27 29 00 00-0001)

27 29 00 00-0681	EA		350W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for 7200 Series, S3500-24T and S3500-48T. (Aruba networks PSU-350-AC).....	720.37	
27 29 00 00-0682	EA		600W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for S3500-24P, -48P, -24T, -48T. (Aruba networks PSU-600-AC).....	1,448.02	
27 29 00 00-0683	EA		1050W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for S3500-24P, -48P, -24T, -48T. (Aruba networks PSU-1050-AC).....	2,175.67	
27 29 00 00-0684	EA		7200 Series or S3500 Spare Two-Post Rack-Mount Kit. Used to front-mount or mid-mount the 7200 Series or S3500 to a 19" rack. May also be used to front-mount (only) the S2500 to 19" rack. (Aruba networks SPR-RK-MNT).....	109.15	
27 29 00 00-0685	EA		7200 Series or S3500 Four-Post 19" Rack-Mount Kit. Used for mounting the 7200 Series or S3500 in cabinets. (Aruba networks SPR-4RK-MNT).....	138.25	
27 29 00 00-0686	EA		7200 Series or S3500 Wall Mount Kit. Used for wall mounting of 7200 Series or S3500. (Aruba networks SPR-WL-MNT).....	138.25	
27 29 00 00-0687	EA		S2500 Wall Mount Kit. Used for wall mounting of S2500 or mid-mounting of S2500 to 19" rack. (Aruba networks SPR-WL2-MNT).....	138.25	
27 29 00 00-0688	EA		S3500 Spare Fan Tray. Field-replaceable for S3500-24P, -48P, -24T and -48T. (Aruba networks SPR-FAN-14) .....	283.78	
27 29 00 00-0689	EA		7200 Series and S3500 Power Supply Blank Faceplate Spare. Cover for unused power supply bay. (Aruba networks PSU-PWBLNK).....	65.49	
27 29 00 00-0690	EA		S3500 Uplink Module Faceplate Spare. Cover for unused uplink module slot. (Aruba networks SPR-ULBLNK) .....	65.49	

**27 29 00 00-0691 Tripp Lite - Devices** (27 29)

27 29 00 00-0692	EA		Relocateable Power Taps, 5 outlets, 6' cord, Metal-Receptacle Series, no switch. Blue/Gray Color With Tabs (Tripp Lite 602) .....	41.91	
27 29 00 00-0693	EA		Tripp Lite Minicom CAT5 SMART KVM Extender PS/2 2-Port KVM TAA GSA (Tripp Lite ODT23001) .....	602.76	
27 29 00 00-0694	EA		Tripp Lite Minicom Mini KVM Console Switch Extender PS/2 Kit TAA GSA (Tripp Lite ODT23008).....	488.33	
27 29 00 00-0695	EA		Tripp Lite Minicom Mini KVM Console Switch Extender USB Kit TAA GSA (Tripp Lite ODT23010).....	602.76	
27 29 00 00-0696	EA		Tripp Lite Minicom KVM Extender USB local port + 2-Port KVM TAA GSA (Tripp Lite ODT60001).....	602.76	
27 29 00 00-0697	EA		Tripp Lite Minicom PS2 to USB Converter for KVM Switch & Extender TAA GSA (Tripp Lite ODT60002).....	202.27	
27 29 00 00-0698	EA		Minicom Access IT 10 User Remote Access Management TAA GSA (Tripp Lite OSU00018).....	16,299.36	
27 29 00 00-0699	EA		Minicom Access IT 20 User Remote Access Management TAA GSA (Tripp Lite OSU00019).....	46,278.54	
27 29 00 00-0700	EA		Tripp Lite Minicom SMART 108 8-Port Cat5 KVM Switch PS/2 USB 1URM TAA GSA (Tripp Lite OSU22081).....	807.08	
27 29 00 00-0701	EA		Tripp Lite Minicom SMART 116 16-Port Cat5 KVM Switch PS/2 USB 1URM TAA GSA (Tripp Lite OSU22082).....	1,011.40	
27 29 00 00-0702	EA		Tripp Lite Minicom SMART 216 16-Port Cat5 KVM Switch PS/2 USB 1URM TAA GSA (Tripp Lite OSU22090).....	1,611.22	
27 29 00 00-0703	EA		Tripp Lite Minicom SMART 232 32-Port Cat5 KVM Switch PS/2 USB 1URM TAA GSA (Tripp Lite OSU22091).....	3,361.54	
27 29 00 00-0704	EA		Tripp Lite Minicom SMART 108 SPU 8-Port Cat5 KVM Switch PS/2 USB 1U TAA GSA (Tripp Lite OSU22181).....	909.24	
27 29 00 00-0705	EA		Tripp Lite Minicom SMART 116 SPU 16-Port Cat5 KVM Switch PS/2 1URM TAA GSA (Tripp Lite OSU22182).....	1,113.57	
27 29 00 00-0706	EA		Minicom USB Remote Unit for Phantom Specter KVM Switch TAA GSA (Tripp Lite OSU51011).....	461.34	
27 29 00 00-0707	EA		Minicom PS/2 Remote Unit for Phantom Specter KVM Switch TAA GSA (Tripp Lite OSU51012) .....	299.06	
27 29 00 00-0708	EA		Minicom 8PK PS/2 Remote Unit Phantom Specter KVM Switch TAA GSA (Tripp Lite OSU51060).....	2,295.11	
27 29 00 00-0709	EA		Tripp Lite Minicom SMART IP Access 2-Port Remote KVM Over IP NIC TAA GSA (Tripp Lite OSU51068).....	1,513.51	
27 29 00 00-0710	EA		Tripp Lite Minicom ROC PS/2 Server Interface Unit for Smart KVM HD15 PS/2 (Tripp Lite OSU51078).....	120.54	
27 29 00 00-0711	EA		Tripp Lite Minicom ROC USB Server Interface Unit for Smart KVM HD15 USB (Tripp Lite OSU51079).....	161.41	
27 29 00 00-0712	EA		Tripp Lite Minicom 8PK ROC USB Server Interface Unit for Smart KVM HD15 USB (Tripp Lite OSU51079/8).....	1,205.53	

## 27 Communications

## 27 20 Data Communications

## 27 29 Data Communications Network Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0713	EA		Minicom Phantom Specter 1 User Cat5 KVM Switch TAA GSA (Tripp Lite 0SU52015).....	846.17	
27 29 00 00-0714	EA		Minicom Phantom MXII 2 User for Phantom Specter KVM TAA GSA (Tripp Lite 0SU52016) .....	1,379.39	
27 29 00 00-0715	EA		Tripp Lite Minicom SMARTRACK 116 16-Port Cat5 KVM Rack Console LCD TAA GSA (Tripp Lite 0SU52091) .....	4,613.39	
27 29 00 00-0716	EA		Tripp Lite Minicom Power on Cable PX / IP Remote Access 90-160 Volt AC TAA GSA (Tripp Lite 0SU60020) .....	345.31	
27 29 00 00-0717	EA		Tripp Lite Minicom KVM IP Control Local and Remote Serial Access TAA GSA (Tripp Lite 0SU70017).....	1,495.31	
27 29 00 00-0718	EA		Tripp Lite Minicom PX USB 1-Port Remote KVM Access Virtual Media TAA GSA (Tripp Lite 0SU70028).....	1,263.48	
27 29 00 00-0719	EA		Tripp Lite Minicom SMART 116 IP 16-Port Cat5 KVM Switch 1URM TAA GSA (Tripp Lite 0SU70030).....	2,033.02	
27 29 00 00-0720	EA		Tripp Lite Minicom SMART 108 IP 8-Port Cat5 KVM Switch 1URM TAA GSA (Tripp Lite 0SU70032).....	1,711.43	
27 29 00 00-0721	EA		Tripp Lite Minicom PX SERIAL 1-Port Remote IP KVM Access TAA GSA (Tripp Lite 0SU70033).....	683.90	
27 29 00 00-0722	EA		Tripp Lite Minicom SMART 216 IP 16-Port Cat5 KVM Switch 2+1 User 1U TAA GSA (Tripp Lite 0SU70036).....	4,098.12	
27 29 00 00-0723	EA		Tripp Lite Minicom SMART 232 IP 32-Port Cat5 KVM Switch 2+1 User 1U TAA GSA (Tripp Lite 0SU70037).....	5,320.49	
27 29 00 00-0724	EA		Minicom PX USB External Power Supply for 0SU70028 KVM IP (Tripp Lite 0SU70042) .....	38.81	
27 29 00 00-0725	EA		Tripp Lite Minicom SMARTRACK 116 16-Port IP Cat5 KVM Rack Console LCD TAA (Tripp Lite 0SU70050).....	5,447.99	
27 29 00 00-0726	EA		Tripp Lite Minicom PX USB Remote KVM Access w Power On Cable TAA GSA (Tripp Lite 0SU70068).....	1,495.31	
27 29 00 00-0727	EA		Tower kit with 2 base stands. Converts 19" rack products to tower. Expandable from 2U to 9U. (Tripp Lite 2-9USTAND).....	144.80	
27 29 00 00-0728	EA		2-Post RM Kit for 3U and Larger UPS, Transformer, Battery Pack (Tripp Lite 2POSTRMKITHD).....	218.30	
27 29 00 00-0729	EA		Horizontal mounting rails for 2 post rackmount/wallmount installation. Easy installation. Fits all 2 post racks. For all current rackmount UPS or battery packs. (Tripp Lite 2POSTRMKITWM).....	152.81	
27 29 00 00-0730	EA		Relocateable Power Taps, 3 outlets, 6' cord, Metal-Receptacle Series, master switch pilot light. Blue/Gray Color With Tabs (Tripp Lite 3SP).....	36.67	
27 29 00 00-0731	EA		SmartRack Installation Kit for UPS up to 250lbs (Tripp Lite 4POSTRAILKIT).....	130.34	
27 29 00 00-0732	EA		Universal Adjustable Rack Enclosure Server Cabinet Shelf Kit 1U (Tripp Lite 4POSTRAILKIT1U).....	104.14	
27 29 00 00-0733	EA		Relocateable Power Taps, 4 outlets, 6' cord, Metal-Duplex Series, master switch pilot light. Beige Color Without tabs (Tripp Lite 4SPDX).....	39.29	
27 29 00 00-0734	EA		Minicom PX USB Power-on-Cable Kit for 0SU70028 KVM IP (Tripp Lite 5CB00615) .....	79.68	
27 29 00 00-0735	EA		Relocateable Power Taps, 5 outlets, 15' cord, Metal-Receptacle Series, no switch. Blue/Gray Color With Tabs (Tripp Lite 602-15).....	55.01	
27 29 00 00-0736	EA		Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, master on/off switch. Beige Color Without Tabs (Tripp Lite 6NX-6) .....	34.05	
27 29 00 00-0737	EA		Relocateable Power Taps, 6 outlets, 6' cord, Metal-Receptacle Series, master switch pilot light. Blue/Gray Color With Tabs (Tripp Lite 6SP).....	57.63	
27 29 00 00-0738	EA		Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, master switch pilot light. Beige Color Without tabs (Tripp Lite 6SPDX).....	43.22	
27 29 00 00-0739	EA		Relocateable Power Taps, 6 outlets, 5' cord, Metal-Duplex Series, master switch pilot light. Beige Color Without tabs (Tripp Lite 6SPDX-15).....	55.01	
27 29 00 00-0740	EA		12V 75 AH Sealed Maintenance-Free Battery for all APS Models (Tripp Lite 98-121).....	628.69	
27 29 00 00-0741	EA		Composite Video Gold Cable (superior insulation, silver-coated copper center cond.) RCA M/M - 6 ft. (Tripp Lite A004-006).....	8.83	
27 29 00 00-0742	EA		Composite Video Gold Cable w Silver Plated Center Conductor, RCA M/M, 12' (Tripp Lite A004-012) .....	12.85	
27 29 00 00-0743	EA		Component Video Keystone Snap-In Module Kit Red, Green, Blue (Tripp Lite A008-000-KJ) .....	22.08	
27 29 00 00-0744	EA		Component Video Gold Cable (silver-coated copper center cond.) 3xRCA M/M - 6 ft. (Tripp Lite A008-006) .....	28.10	
27 29 00 00-0745	EA		Component Video Gold Cable w Silver Plated Center Conductor, 3xRCA M/M, 12' (Tripp Lite A008-012).....	36.14	
27 29 00 00-0746	EA		S-Video Gold Cable - 6 ft. (Tripp Lite A012-006) .....	12.05	
27 29 00 00-0747	EA		S-Video Gold Cable, MD4M/M, 12' (Tripp Lite A012-012).....	20.07	
27 29 00 00-0748	EA		Composite Video Keystone Snap-In Module Kit Red, White, Yellow (Tripp Lite A020-000-KJ).....	22.08	
27 29 00 00-0749	EA		Audio Keystone Snap-In Module Kit RCA Couplers Red, White (Tripp Lite A050-000-KJ) .....	14.86	
27 29 00 00-0750	EA		High Resolution Gold Audio Cables (silver-coated copper center cond.) 2xRCA M/M - 6 ft. (Tripp Lite A050-006).....	16.05	
27 29 00 00-0751	EA		RF Digital Coax Gold Audio Cable (silver-coated copper center cond.) RCA M/M - 6 ft. (Tripp Lite A060-006).....	10.04	
27 29 00 00-0752	EA		RF Digital Coax Gold Audio Cable w Silver Plated Center Conductor, RCA M/M, 12' (Tripp Lite A060-012).....	16.05	
27 29 00 00-0753	EA		Digital Optical Audio Cable, 2x Toslink, 1M (3') (Tripp Lite A102-01M).....	16.05	
27 29 00 00-0754	EA		Digital Optical Audio Cable, 2xToslink - 2M (Tripp Lite A102-02M).....	20.07	
27 29 00 00-0755	EA		Digital Optical Audio Cable, 2x Toslink, 3M (10') (Tripp Lite A102-03M).....	24.09	
27 29 00 00-0756	EA		Digital Optical Audio Cable, 2x Toslink, 12' (Tripp Lite A102-04M).....	28.10	
27 29 00 00-0757	EA		RG59 Coax Cable with F-Type Connectors - 6ft (Tripp Lite A200-006) .....	10.04	
27 29 00 00-0758	EA		RG59 Coax Cable with F-Type Connectors - 12ft (Tripp Lite A200-012) .....	15.25	
27 29 00 00-0759	EA		RG59 Coax Cable with F-Type Connectors - 25ft (Tripp Lite A200-025).....	24.09	
27 29 00 00-0760	EA		2,000 Continuous Watt, 3,000 Overpower Watt, 4,000 Doubleboost Watt Hardwired 2,000 VA, 12 Volt DC, RJ45 Remote Port. 60/15 Amperes, (selectable) Regulated Charger. (Tripp Lite APS INT2012).....	1,672.87	
27 29 00 00-0761	EA		2,400 Continuous Watt, 3,600 Overpower Watt, 4,800 Doubleboost Watt Hardwired 2,400 VA, 24 Volt DC, RJ45 Remote Port. 30/7.5 Amperes, (selectable) Regulated Charger. (Tripp Lite APS INT2424).....	1,880.25	
27 29 00 00-0762	EA		1000W 12V Inverter / Charger Pure Sine Wave 120V 4A/40A Hardwire (Tripp Lite APS1012SW) .....	1,689.60	
27 29 00 00-0763	EA		12 Volt DC to AC Inverter with Automatic Line-to-Battery, 30 Amperes Charger, 1,250 continuous wattage, 1,875 overpower wattage, 2,500 doubleboost wattage, 2 AC outlets (Tripp Lite APS1250).....	1,079.25	
27 29 00 00-0764	EA		12 Volt DC to AC Inverter with Automatic Line-to-Battery, 100/25 Amperes Charger, 2,000 continuous wattage, 3,000 overpower wattage, 4,000 doubleboost wattage, Hardwired (Tripp Lite APS2012) .....	1,584.82	
27 29 00 00-0765	EA		2000W 12V Inverter / Charger Pure Sine Wave 120V 8A/80A Hardwire (Tripp Lite APS2012SW) .....	2,200.41	
27 29 00 00-0766	EA		24 Volt DC to AC Inverter with Automatic Line-to-Battery, 55/14 Amperes Charger, 2,400 continuous wattage, 3,600 overpower wattage, 4,800 doubleboost wattage, Hardwired (Tripp Lite APS2424) .....	1,781.29	
27 29 00 00-0767	EA		48V DC to AC Inverter with Automatic Line-to-Battery 15amp Charger 2400 continuous wattage 3600 overpower wattage 4800 doubleboost wattage Hardwired (Tripp Lite APS2448UL) .....	1,836.30	
27 29 00 00-0768	EA		36 Volt DC to AC Inverter with Automatic Line-to-Battery 30 Amperes Charger 3,600 continuous wattage, 5,400 overpower wattage, 7,200 doubleboost wattage, Hardwired (Tripp Lite APS3636VR) .....	2,229.23	
27 29 00 00-0769	EA		12 Volt DC to AC Compact Inverter with Automatic Line-to-Battery, 20 Amperes Charger, 700 continuous wattage, 1,050 overpower wattage, 1,400 doubleboost wattage, 1 AC outlets (Tripp Lite APS700HF).....	615.59	
27 29 00 00-0770	EA		12 Volt DC to AC Inverter with Automatic Line-to-Battery, 20 Amperes Charger, 750 continuous wattage, 1,125 overpower wattage, 1,500 doubleboost wattage, 2 AC outlets (Tripp Lite APS750).....	783.24	
27 29 00 00-0771	EA		3,600 Continuous Watt, 5,400 Overpower Watt, 7,200 Doubleboost Watt Hardwired 3600VA, 36 Volt DC, RJ45 Remote Port. 30 Amperes (selectable) Regulated Charger. Voltage Regulated. (Tripp Lite APSINT3636VR) .....	2,353.07	
27 29 00 00-0772	EA		Remote Control Module for APS/PV Models with RJ45 Ports includes Mounting Plate & Cords (Tripp Lite APSRM4).....	259.04	
27 29 00 00-0773	EA		Remote Control for Sine Wave Inverter / Chargers (Tripp Lite APSRMSW).....	259.04	
27 29 00 00-0774	EA		1000W 12V International Inverter / Charger Pure Sine Wave 230V 4A/40A Hardwire (Tripp Lite APSX1012SW).....	2,068.27	
27 29 00 00-0775	EA		1,250 Continuous Watt, 1,875 Overpower Watt, 2,500 Doubleboost Watt, 2 AC Outlets 1250 VA, 12 Volt DC, RJ45 Remote Port. 30/7.5 Amperes (selectable) Regulated Charger. (Tripp Lite APSX1250).....	1,139.21	
27 29 00 00-0776	EA		2000W 12V International Inverter / Charger Pure Sine Wave 230V 8A/80A Hardwire (Tripp Lite APSX2012SW).....	2,322.66	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0777	EA		750 Continuous Watt, 1,125 Overpower Watt, 1,500 Doubleboost Watt, 2 AC Outlets 750VA, 12 Volt DC, RJ45 Remote Port, 20 Amperes Regulated (Tripp Lite APSX750) .....	768.69	
27 29 00 00-0778	EA		Eco Green A/V Surge Protector RJ11 RJ45 Coax 10 Outlet 8ft Cord (Tripp Lite AV10IRG).....	227.03	
27 29 00 00-0779	EA		Eco Green A/V Surge Protector RJ11 RJ45 Coax 12 Outlet 10ft Cord (Tripp Lite AV1210SATG) .....	158.34	
27 29 00 00-0780	EA		Eco Green A/V Surge Protector 8 Outlet 6ft Cord 1080 Joule (Tripp Lite AV86G).....	75.68	
27 29 00 00-0781	EA		Eco Green A/V Surge Protector RJ11 RJ45 Coax 8 Outlet 8ft Cord (Tripp Lite AV88SATG).....	110.60	
27 29 00 00-0782	EA		550VA UPS System Low Profile Line-Interactive 120V 8 Outlet - 550 VA, 1 USB, Modem/Fax Protection (Tripp Lite AVR550U).....	165.03	
27 29 00 00-0783	EA		700VA UPS Line Interactive 8 Outlet 6ft Cord 120V (Tripp Lite AVR700U).....	187.30	
27 29 00 00-0784	EA		750VA UPS System Low Profile Line-Interactive 120V 12 Outlet - 750 VA, 1 USB, Modem/Fax Protection (Tripp Lite AVR750U).....	223.97	
27 29 00 00-0785	EA		900VA UPS System Low Profile Line-Interactive 120V 12 Outlet - 900 VA, 1 USB, Modem/Fax Protection (Tripp Lite AVR900U).....	259.33	
27 29 00 00-0786	EA		TAA Compliant 900VA UPS Ultra Compact 12 outlets (Tripp Lite AVR900UTAA) .....	293.39	
27 29 00 00-0787	EA		550VA International UPS System Low Profile Line-Interactive AVR 230V 6 Outlet - 550 VA, 1 USB (Tripp Lite AVRX550U) .....	229.50	
27 29 00 00-0788	EA		TAA Compliant 550VA Intl UPS Ultra Compact 6 outlets 230V (Tripp Lite AVRX550UTAA) .....	259.92	
27 29 00 00-0789	EA		750VA International UPS System Low Profile Line-Interactive AVR 230V 6 Outlet - 750 VA 1 USB, Modem/Fax Protection (Tripp Lite AVRX750U) .....	348.40	
27 29 00 00-0790	EA		TAA Compliant 750VA Intl UPS Ultra Compact 6 outlets 230V (Tripp Lite AVRX750UTAA) .....	395.40	
27 29 00 00-0791	EA		2-Port Secure KVM Switch DVI / USB Audio NIAP EAL2 TAA GSA (Tripp Lite B002-DUA2) .....	1,222.45	
27 29 00 00-0792	EA		4-Port Secure KVM Switch DVI / USB Audio NIAP EAL2 TAA GSA (Tripp Lite B002-DUA4) .....	1,338.88	
27 29 00 00-0793	EA		8 Port KVM Switch, (With On-Screen Display, PS/2, Non-Expandable) 1U Rackmount (Tripp Lite B004-008).....	286.40	
27 29 00 00-0794	EA		2 Port KVM Switch (DVI/USB), Desktop with Audio And Cables (Tripp Lite B004-DUA2-K-R).....	325.99	
27 29 00 00-0795	EA		4-Port Compact KVM Switch DVI / USB With Audio And Cables (Tripp Lite B004-DUA4-K-R).....	500.62	
27 29 00 00-0796	EA		2 Port KVM Switch (PS/2), Desktop with Audio And Cables (Tripp Lite B004-VPA2-K-R) .....	74.51	
27 29 00 00-0797	EA		2 Port KVM Switch (USB), Desktop with Audio And Cables (Tripp Lite B004-VUA2-K-R).....	88.48	
27 29 00 00-0798	EA		KVM Switch 4-Port Desktop KVM Switch (USB) TAA / GSA (Tripp Lite B006-VU4-R).....	232.85	
27 29 00 00-0799	EA		4-Port KVM Switch w Audio, 2-Port USB2.0 Hub, Included Cables (Tripp Lite B006-VUA4-K-R).....	465.70	
27 29 00 00-0800	EA		8 Port KVM Switch, (With On-Screen Display, PS/2) 1U Rackmount (Tripp Lite B007-008).....	628.69	
27 29 00 00-0801	EA		Cat5 Console (PS/2 or USB) Extender - 330ft Range (Tripp Lite B013-330).....	419.13	
27 29 00 00-0802	EA		USB to PS/2 Adapter (Tripp Lite B015-000).....	22.12	
27 29 00 00-0803	EA		Two-Post Rackmount Bracket for B021 and B020 Series KVM Switch Consoles (Tripp Lite B019-000).....	149.02	
27 29 00 00-0804	EA		8 Port KVM Switch, 17 Inch Console (with built-in slide out keyboard and tilt-up console) 1U Rackmount (Tripp Lite B020-008-17).....	3,057.29	
27 29 00 00-0805	EA		16 Port KVM Switch, 17 Inch Console (with built-in slide out keyboard and tilt-up console) 1U Rackmount (Tripp Lite B020-016-17).....	3,667.36	
27 29 00 00-0806	EA		NetDirector 17" Console KVM Switch With IP - 16 Port (Tripp Lite B020-016-17-IP).....	7,392.92	
27 29 00 00-0807	EA		NetDirector 19in Console KVM with Built-In IP Access - 8 Port (Tripp Lite B020-U08-19-IP).....	5,821.20	
27 29 00 00-0808	EA		NetDirector 19in Console KVM with 8 USB/PS2 Combo Cable Kits - 8Port (Tripp Lite B020-U08-19-K).....	3,259.87	
27 29 00 00-0809	EA		8-Port Rack Console KVM Switch 19" LCD PS2/USB Cable 1U TAA/GSA (Tripp Lite B020-U08-19KTA).....	3,259.87	
27 29 00 00-0810	EA		NetDirector 19in Console KVM with 8 USB/PS2 Combo Cable Kits - 16Port (Tripp Lite B020-U16-19-K).....	3,958.42	
27 29 00 00-0811	EA		1U Rackmount Console (with built-in slide-out keyboard/touch pad and tilt-up 17-inch LCD monitor.) (Tripp Lite B021-000-17).....	1,746.36	
27 29 00 00-0812	EA		TAA Compliant KVM Console 17" Monitor 1U Rackmount (Tripp Lite B021-000-17TAA) .....	2,025.78	
27 29 00 00-0813	EA		Rackmount Console with 19" LCD (Tripp Lite B021-000-19) .....	2,549.69	
27 29 00 00-0814	EA		Short-Body Rackmount Console (1U) w 19" LCD (Tripp Lite B021-000-19-SH).....	2,910.60	
27 29 00 00-0815	EA		KVM Rack Console 1U Dual Rail Rackmount 17" LCD (Tripp Lite B021-02R-17).....	2,677.75	
27 29 00 00-0816	EA		2 Port KVM Switch, Desktop with two cables - PS/2 (Tripp Lite B022-002-KT-R).....	98.96	
27 29 00 00-0817	EA		4 Port KVM Switch - PS/2 (Tripp Lite B022-004-R).....	110.60	
27 29 00 00-0818	EA		NetDirector USB/PS2 KVM Switch - 16 Port (Tripp Lite B022-U16) .....	1,338.88	
27 29 00 00-0819	EA		NetController Console KVM with 19" LCD Console - 8 port (Tripp Lite B040-008-19).....	2,852.39	
27 29 00 00-0820	EA		NetController Console KVM with 19" LCD Console - 16 port (Tripp Lite B040-016-19).....	3,760.50	
27 29 00 00-0821	EA		NetController KVM Switch - 4 Port (Tripp Lite B042-004).....	582.12	
27 29 00 00-0822	EA		NetController KVM Switch - 8 Port (Tripp Lite B042-008).....	698.54	
27 29 00 00-0823	EA		NetController KVM Switch - 16 Port (Tripp Lite B042-016) .....	1,164.24	
27 29 00 00-0824	EA		IP Remote Access Unit (KVM over IP) (Tripp Lite B051-000).....	1,350.52	
27 29 00 00-0825	EA		IP Remote Access Unit KVM over IP Power / Serial Control TAA GSA (Tripp Lite B051-000-AC).....	1,629.94	
27 29 00 00-0826	EA		PS/2 Server Interface for B060-032 KVM Switch (Tripp Lite B054-001-PS2).....	325.99	
27 29 00 00-0827	EA		SUN Server Interface for B060-032 KVM Switch (Tripp Lite B054-001-SUN).....	349.27	
27 29 00 00-0828	EA		USB Server Interface for B060-032 KVM Switch (Tripp Lite B054-001-USB).....	325.99	
27 29 00 00-0829	EA		PS/2 Server Interface Module for B064- Series KVM Switches (Add 1 per Server: Use With Cat5/5e/6) (Tripp Lite B055-001-PS2).....	230.52	
27 29 00 00-0830	EA		Serial Server Interface Module for B064- Series KVM Switches (Add 1 per Server: Use With Cat5/5e/6) (Tripp Lite B055-001-SER) .....	230.52	
27 29 00 00-0831	EA		USB Server Interface Module for B064- Series KVM Switches (Add 1 per Server: Use With Cat5/5e/6) (Tripp Lite B055-001-USB) .....	230.52	
27 29 00 00-0832	EA		USB With Virtual Media Server Interface Module for B064- Series KVM Switches (Add 1 per Server: Use With Cat5/5e/6) (Tripp Lite B055-001-USB-V2) .....	291.06	
27 29 00 00-0833	EA		USB Server Interface Unit Virtual Media And CAC B064 Cat5 KVM TAA (Tripp Lite B055-001-UV2CAC).....	302.70	
27 29 00 00-0834	EA		16-Port Matrix (2-User) 1U Rackmount KVM Switch (Tripp Lite B060-016-2).....	3,725.57	
27 29 00 00-0835	EA		PS/2 Console Interface Module (Tripp Lite B062-002-PS2).....	1,164.24	
27 29 00 00-0836	EA		Console Interface Module for B060-Series KVMs - USB (Tripp Lite B062-002-USB).....	1,164.24	
27 29 00 00-0837	EA		16-Port Cat5 KVM Switch 1U RM TAA / GSA (Tripp Lite B064-016).....	1,303.95	
27 29 00 00-0838	EA		NetDirector Cat5 IP KVM Switch - 16 Port, 2-User (Virtual Media, Dual Power Supply) (Tripp Lite B064-016-02-IPG).....	7,451.14	
27 29 00 00-0839	EA		NetDirector Cat5 IP KVM Switch - 16 Port, 4-User (Virtual Media, Dual Power Supply) (Tripp Lite B064-016-04-IPG).....	12,108.10	
27 29 00 00-0840	EA		NetDirector Cat5 IP KVM Switch - 32 Port, 2-User (Virtual Media, Dual Power Supply) (Tripp Lite B064-032-02-IPG).....	9,896.04	
27 29 00 00-0841	EA		NetDirector Cat5 IP KVM Switch - 32 Port, 4-User (Virtual Media, Dual Power Supply) (Tripp Lite B064-032-04-IPG).....	14,436.58	
27 29 00 00-0842	EA		8-Port Rack VGA Console Cat5 KVM Switch 1U RM 19" Mon/Kybd/Tchpd (Tripp Lite B070-008-19) .....	2,561.33	
27 29 00 00-0843	EA		NetCommander Cat5 Console KVM - 16 Port (Tripp Lite B070-016-19).....	3,143.45	
27 29 00 00-0844	EA		NetCommander Cat5 Console KVM With IP - 16 Port (Tripp Lite B070-016-19-IP).....	5,588.35	
27 29 00 00-0845	EA		16-Port Rack Console KVM Switch VGA Cat5 1U RM 19" LCD TAA / GSA (Tripp Lite B070-016-19TAA).....	3,259.87	
27 29 00 00-0846	EA		NetCommander Cat5 KVM - 8 Port (Tripp Lite B072-008-1).....	838.25	

## 27 Communications

## 27 20 Data Communications

## 27 29 Data Communications Network Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0847	EA		NetCommander Cat5 KVM - 16 Port (Tripp Lite B072-016-1).....	1,164.24	
27 29 00 00-0848	EA		16-Port NetCommander Cat5 KVM Switch with IP Remote Access (Tripp Lite B072-016-1-IP).....	2,794.18	
27 29 00 00-0849	EA		NetCommander Server Interface Unit for B070/72 KVM - PS/2 - 100ft (Tripp Lite B078-101-PS2).....	146.69	
27 29 00 00-0850	EA		NetCommander Server Interface Unit for B070/72 KVM - USB - 100ft (Tripp Lite B078-101-USB).....	158.34	
27 29 00 00-0851	EA		Console Server Adapter - Cisco RJ45 F to DB9 F - Straight (Tripp Lite B090-A9F).....	13.97	
27 29 00 00-0852	EA		Console Server Adapter - Cisco RJ45 F to DB9 F - Crossover (Tripp Lite B090-A9F-X).....	13.97	
27 29 00 00-0853	EA		Console Server Adapter - Cisco RJ45 F to DB9 M - Straight (Tripp Lite B090-A9M).....	13.97	
27 29 00 00-0854	EA		16-Port Serial Console Server Management Switch With Power Alert (Tripp Lite B092-016).....	4,191.26	
27 29 00 00-0855	EA		8-Port Serial Console / Terminal Server Mgmt Switch TAA GSA (Tripp Lite B094-008-2E-M-F).....	1,921.00	
27 29 00 00-0856	EA		Console Server with 1 NIC and Built-In Modem - 3 Port (Tripp Lite B095-003-1E-M).....	1,327.23	
27 29 00 00-0857	EA		Console Server with 1 NIC - 4 Port (Tripp Lite B095-004-1E).....	966.32	
27 29 00 00-0858	EA		16-Port Serial Console Server Management Switch (Tripp Lite B096-016).....	4,191.26	
27 29 00 00-0859	EA		48-Port Serial Console Server Management Switch (Tripp Lite B096-048).....	6,985.44	
27 29 00 00-0860	EA		Manual VGA/SVGA 2 Position Switch - 3xHD15F (Tripp Lite B112-002-R).....	26.78	
27 29 00 00-0861	EA		VGA/SVGA 350MHz Video Splitter - 2 Port - HD15 (M)/x2 (F) (Tripp Lite B114-002-R).....	73.35	
27 29 00 00-0862	EA		VGA/SVGA Video Splitter - 4 Port - HD15 (M)/x4 (F) (Tripp Lite B114-004-R).....	93.14	
27 29 00 00-0863	EA		DVI Single Link with Audio Splitter - 2 Port (Tripp Lite B116-002A).....	186.28	
27 29 00 00-0864	EA		4-Port DVI Single Link Video / Audio Splitter / Booster (Tripp Lite B116-004A).....	349.27	
27 29 00 00-0865	EA		HDMI v1.3 Splitter - 2Port (Tripp Lite B118-302-R).....	139.71	
27 29 00 00-0866	EA		HDMI v1.3 Splitter - 4Port (Tripp Lite B118-304-R).....	291.06	
27 29 00 00-0867	EA		HDMI v1.3 Video Switch With Remote - 2 Port (Tripp Lite B119-302-R).....	83.83	
27 29 00 00-0868	EA		3Port HDMI Switch w Remote, v1.3 (Tripp Lite B119-303-R).....	139.71	
27 29 00 00-0869	EA		DVI Dual Link Extender, DVI F/F (Tripp Lite B120-000).....	123.41	
27 29 00 00-0870	EA		DVI Single Link Signal Extender DVI F/F TAA / GSA (Tripp Lite B120-000-SL).....	107.11	
27 29 00 00-0871	EA		Displayport Active Extender Signal Booster Displayport F/F TAA (Tripp Lite B121-000).....	279.42	
27 29 00 00-0872	EA		HDMI Extender, HDMI F/F (Tripp Lite B122-000).....	93.14	
27 29 00 00-0873	EA		HDMI Signal Booster Extender 1080p at 60 Hertz HDMI F/F TAA / GSA (Tripp Lite B122-000-60).....	232.85	
27 29 00 00-0874	EA		HDMI v1.3 Active Extender Cable (Tripp Lite B123-001).....	116.42	
27 29 00 00-0875	EA		1ft HDMI Active Signal Extender Cable HDMI M/F 1' TAA GSA (Tripp Lite B123-001-60).....	174.64	
27 29 00 00-0876	EA		HDMI over Cat5 Dual Cat6 60 Hertz Extender Kit TAA GSA (Tripp Lite B125-101-60).....	291.06	
27 29 00 00-0877	EA		HDMI over Dual Cat6 60 Hertz Wallplate Extender Kit TAA GSA (Tripp Lite B125-101-60-WP).....	291.06	
27 29 00 00-0878	EA		HDMI over Cat5 Extender, (2) RJ45 F, (2) HDMI F (Tripp Lite B125-150).....	232.85	
27 29 00 00-0879	EA		2-Port HDMI Over Cat5 Extender / Splitter TAA / GSA (Tripp Lite B126-002).....	302.70	
27 29 00 00-0880	EA		4-Port HDMI Over Cat5 Extender / Splitter TAA / GSA (Tripp Lite B126-004).....	488.98	
27 29 00 00-0881	EA		HDMI over Cat5 Active Extender / Remote Repeater TAA GSA (Tripp Lite B126-110).....	395.84	
27 29 00 00-0882	EA		HDMI Over Cat5 Active Extender Remote Unit TAA / GSA (Tripp Lite B126-1A0).....	302.70	
27 29 00 00-0883	EA		HDMI Over Single CAT5 RJ45 Active Ext Remote Wallplate TAA GSA (Tripp Lite B126-1A0-WP-1).....	302.70	
27 29 00 00-0884	EA		HDMI Over Cat5 Active Extender Kit TAA / GSA (Tripp Lite B126-1A1).....	395.84	
27 29 00 00-0885	EA		HDMI + IR + Serial RS232 over Cat5 / 6 Active Extender Kit TAA GSA (Tripp Lite B126-1A1SR).....	931.39	
27 29 00 00-0886	EA		Tripp Lite HDMI Over Cat5 / Cat6 Active Wallplate Extender Kit TAA GSA (Tripp Lite B126-1A1-WP).....	395.84	
27 29 00 00-0887	EA		HDMI Over Cat5 Passive Extender Remote Unit TAA / GSA (Tripp Lite B126-1P0).....	69.85	
27 29 00 00-0888	EA		HDMI Over Cat5 Passive Extender Remote Wallplate TAA / GSA (Tripp Lite B126-1P0-WP).....	69.85	
27 29 00 00-0889	EA		VGA over Cat5 Extender, 1 Local Port, 1 Remote Port (Tripp Lite B130-101).....	267.78	
27 29 00 00-0890	EA		VGA over Cat5 Extender with Audio, 1 Local Port, 1 Remote Port (Tripp Lite B130-101A).....	302.70	
27 29 00 00-0891	EA		VGA + Audio over Cat5 (RJ45) Ext Wallplate Kit TAA / GSA (Tripp Lite B130-101A-WP-1).....	291.06	
27 29 00 00-0892	EA		VGA with RS-232 Serial over Cat5 Extender Kit (Tripp Lite B130-101S).....	314.34	
27 29 00 00-0893	EA		VGA with RS-232 Serial over Cat5 (110 type) Extender Wallplate Kit (Tripp Lite B130-101S-WP).....	291.06	
27 29 00 00-0894	EA		VGA over Cat5 Extender Kit USB Powered up to 500ft TAA/GSA (Tripp Lite B130-101-U).....	256.13	
27 29 00 00-0895	EA		VGA over Cat5 (RJ45) Extender Wallplate Kit TAA/GSA (Tripp Lite B130-101-WP-1).....	256.13	
27 29 00 00-0896	EA		VGA over Cat5 Extender / Repeater Kit TAA / GSA (Tripp Lite B130-111).....	395.84	
27 29 00 00-0897	EA		VGA + Audio over Cat5 Extender / Repeater Kit TAA / GSA (Tripp Lite B130-111A).....	442.41	
27 29 00 00-0898	EA		VGA over Cat5 Extender 2-Port Transmitter TAA / GSA (Tripp Lite B132-002-1).....	186.28	
27 29 00 00-0899	EA		2-Port VGA And Audio over Cat5 Extender / Splitter (Tripp Lite B132-002A).....	197.92	
27 29 00 00-0900	EA		VGA over Cat5 Extender 4-Port Transmitter TAA / GSA (Tripp Lite B132-004-1).....	279.42	
27 29 00 00-0901	EA		VGA with Audio over Cat5 Extender/Splitter Local Unit - 4 Remote Ports (Tripp Lite B132-004A).....	302.70	
27 29 00 00-0902	EA		VGA over Cat5 Extender/Splitter Rackmount Bracket (Tripp Lite B132-004-RB).....	95.47	
27 29 00 00-0903	EA		VGA over Cat5 Receiver TAA / GSA (Tripp Lite B132-100-1).....	151.35	
27 29 00 00-0904	EA		VGA with Audio over Cat5 Extender Remote Unit (Tripp Lite B132-100A).....	174.64	
27 29 00 00-0905	EA		VGA + Audio over Cat5 Receiver RJ45 type Wallplate TAA / GSA (Tripp Lite B132-100A-WP-1).....	174.64	
27 29 00 00-0906	EA		VGA over Cat5 Receiver RJ45 type Wallplate TAA / GSA (Tripp Lite B132-100-WP-1).....	151.35	
27 29 00 00-0907	EA		VGA over Cat5 Extender Remote / Repeater Unit TAA / GSA (Tripp Lite B132-110).....	209.56	
27 29 00 00-0908	EA		VGA + Audio over Cat5 Extender Remote / Repeater Unit TAA / GSA (Tripp Lite B132-110A).....	223.53	
27 29 00 00-0909	EA		Component Video (RGB) with Stereo Audio Over Cat5 Extender/Splitter - 4 Port (Tripp Lite B136-004).....	267.78	
27 29 00 00-0910	EA		Component Video (RGB) with Stereo Audio Over Cat5 Extender Remote Unit (Tripp Lite B136-100).....	81.50	
27 29 00 00-0911	EA		Component Video (RGB) with Stereo Audio Over Cat5 (110 Type) Extender Remote Wallplate (Tripp Lite B136-100-WP).....	81.50	
27 29 00 00-0912	EA		Component Video (RGB) with Stereo Audio Over Cat5 Extender Kit (Tripp Lite B136-101).....	151.35	
27 29 00 00-0913	EA		Cat5 Extender Wallplate Kit Component Video Stereo Audio TAA GSA (Tripp Lite B136-101-WP-1).....	151.35	
27 29 00 00-0914	EA		S-Video with Stereo Audio Over Cat5 Extender Kit (Tripp Lite B137-101).....	151.35	
27 29 00 00-0915	EA		DVI over Cat5 Extender /Splitter 2-Port TAA / GSA (Tripp Lite B140-002).....	232.85	
27 29 00 00-0916	EA		DVI over Cat5 Extender /Splitter 4-Port TAA / GSA (Tripp Lite B140-004).....	419.13	
27 29 00 00-0917	EA		DVI Over Cat5 Extender Kit (Tripp Lite B140-101).....	128.07	
27 29 00 00-0918	EA		DVI Over Cat5 (110 Type) Extender Wallplate Kit (Tripp Lite B140-101-WP).....	128.07	
27 29 00 00-0919	EA		DVI Over Cat5 Active Extender Kit (Tripp Lite B140-101X).....	442.41	
27 29 00 00-0920	EA		DVI over Cat5 Remote Extender / Repeater Unit TAA GSA (Tripp Lite B140-110).....	488.98	
27 29 00 00-0921	EA		DVI Over Cat5 Active Extender Remote Unit TAA / GSA (Tripp Lite B140-1A0).....	256.13	
27 29 00 00-0922	EA		DVI Over Cat5 Active Extender Remote Wallplate TAA / GSA (Tripp Lite B140-1A0-WP).....	256.13	
27 29 00 00-0923	EA		DVI over Cat5 Active Extender Wallplate Kit TAA GSA (Tripp Lite B140-1A1-WP).....	349.27	
27 29 00 00-0924	EA		DVI Over Cat5 Passive Extender Remote Unit TAA / GSA (Tripp Lite B140-1P0).....	46.57	
27 29 00 00-0925	EA		DVI Over Cat5 Passive Extender Remote Wallplate TAA / GSA (Tripp Lite B140-1P0-WP).....	58.21	
27 29 00 00-0926	EA		RS-232 / Serial over Cat5 Extender Kit (Tripp Lite B165-101).....	151.35	
27 29 00 00-0927	EA		IEEE Reversible 2 Position Gold Autoswitch - 3xDB25F (Tripp Lite B170-002-R).....	58.21	
27 29 00 00-0928	EA		USB over Cat5 Extender Kit (Tripp Lite B202-150).....	60.54	
27 29 00 00-0929	EA		USB Hi-Speed 2.0 over Cat5 Extender Kit 480Mbps 330ft TAA/GSA (Tripp Lite B203-101).....	302.70	
27 29 00 00-0930	EA		4-Port High Speed USB 2.0 Over Cat5 Extender Hub TAA GSA (Tripp Lite B203-104).....	395.84	
27 29 00 00-0931	EA		300VA UPS System Standby Tower Small Footprint 120V 3 Outlet - 300 VA (Tripp Lite BC PERS300).....	192.54	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	27 29 00 00-0932	EA		450VA UPS System Standby Tower Small Footprint 120V 3 Outlet - 450 VA (Tripp Lite BC PERS450).....	217.42	
	27 29 00 00-0933	EA		1050VA UPS System Standby Tower Small Footprint 120V 6 Outlet - 1050 VA 1 USB, Replace Battery LED, Overload LED, Self Test, Alarm (Tripp Lite BC PRO1050).....	657.50	
	27 29 00 00-0934	EA		1400VA UPS System Standby Tower Small Footprint 120V 6 Outlet - 1400 VA 1 USB, Replace Battery LED, Overload LED, Self Test, Alarm (Tripp Lite BC PRO1400).....	948.27	
	27 29 00 00-0935	EA		600VA UPS System Standby Tower Small Footprint 120V 6 Outlet - 600 VA, 1 USB, Modem/Fax Protection (Tripp Lite BC PRO600).....	282.91	
	27 29 00 00-0936	EA		350VA UPS System Compact Low Profile Standby 120V 6 Outlet - 350 VA (Tripp Lite BC350).....	106.09	
	27 29 00 00-0937	EA		600VA Pure Sine Wave PFC UPS Tower 120V USB Sinewave (Tripp Lite BC600SINE).....	314.34	
	27 29 00 00-0938	EA		192V external battery pack (expandable) Smart Online UPS 192V RM 3U External Battery Pack (Tripp Lite BP192V12-3U).....	2,409.98	
	27 29 00 00-0939	EA		192V external battery pack (expandable) Smart Online UPS 192V RM 4U External Battery Pack (Tripp Lite BP192V18-4U).....	4,657.54	
	27 29 00 00-0940	EA		240V external battery pack (expandable) Smart Online UPS 240V Tower/RM 3U External Battery Pack (Tripp Lite BP240V10RT3U).....	2,315.67	
	27 29 00 00-0941	EA		External 24 Volt DC RM/Twr Battery Pack For All Compatible UPS (Tripp Lite BP24V15RT2U).....	434.84	
	27 29 00 00-0942	EA		24 Volt external battery pack — Smart Online UPS 24V RM 2U External Battery Pack (Tripp Lite BP24V28-2U).....	937.80	
	27 29 00 00-0943	EA		24 Volt external battery pack (expandable) Smart Online UPS 24V RM 3U External Battery Pack (Tripp Lite BP24V70-3U).....	2,158.50	
	27 29 00 00-0944	EA		Battery Case with Cables. Holds two 98-121 Batteries (Tripp Lite BP-260).....	479.38	
	27 29 00 00-0945	EA		36 Volt External Battery Pack — Smart UPS 36V RM 2U External Battery Pack (Tripp Lite BP36V15-2U).....	843.49	
	27 29 00 00-0946	EA		36 Volt External Battery pack (expandable) Smart UPS 36 Volt RM 3U External Battery Pack (Tripp Lite BP36V42-3U).....	2,231.85	
	27 29 00 00-0947	EA		480 Volt external battery pack With internal disconnect for all domestic and International 3-Phase Modular Smart Online UPS (Tripp Lite BP480V26B).....	19,099.07	
	27 29 00 00-0948	EA		480 Volt external battery pack With internal disconnect for all domestic and International 3-Phase Modular Smart Online UPS (Tripp Lite BP480V40C).....	23,643.97	
	27 29 00 00-0949	EA		48 Volt External Battery Pack — Smart UPS 48 Volt RM 2U External Battery Pack (Tripp Lite BP48V24-2U).....	987.57	
	27 29 00 00-0950	EA		TAA Compliant External Battery Pack for UPS 2U Rackmount 48 Volt (Tripp Lite BP48V242UTAA).....	1,060.91	
	27 29 00 00-0951	EA		48 Volt Shallow Depth External UPS Battery Pack 4U RM (Tripp Lite BP48V48RT4U).....	2,263.28	
	27 29 00 00-0952	EA		Smart UPS 48 Volt Tower RM NAFTA External Battery Pack (Tripp Lite BP48V60-3UNAF TA).....	2,174.22	
	27 29 00 00-0953	EA		48 Volt External Battery Pack (Expandable) Smart UPS 48 Volt Tower/RM 3U External Battery Pack (Tripp Lite BP48V60RT-3U).....	2,158.50	
	27 29 00 00-0954	EA		TAA Compliant External Battery Pack for UPS Rack/Tower 48 Volt (Tripp Lite BP48V60RT3UTAA).....	2,517.38	
	27 29 00 00-0955	EA		72V external battery pack — Smart Online UPS 72V RM 2U External Battery Pack (Tripp Lite BP72V15-2U).....	1,341.20	
	27 29 00 00-0956	EA		72V external battery pack (expandable) Smart Online UPS 72V Tower/RM3U External Battery Pack (Tripp Lite BP72V28RT3U).....	2,200.41	
	27 29 00 00-0957	EA		Connector for multiple battery pack applications. (Tripp Lite BPMULTI).....	200.83	
	27 29 00 00-0958	EA		Serial or parallel DB25 RS-232 protector (All pins) for any male or female 25 pin port. (Tripp Lite DB25-ALL).....	40.84	
	27 29 00 00-0959	EA		Serial DB9 RS-232 protector (Pins 1-9) for any male or female 9 pin port. (Tripp Lite DB9).....	29.69	
	27 29 00 00-0960	EA		Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, visual surge indication, 3 line protection. 600 joules. White Without tabs (Tripp Lite DG115-SI).....	85.14	
	27 29 00 00-0961	EA		Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, 6 outlet strip, 3 line protection. 450 joules. White Without tabs (Tripp Lite DG206).....	55.01	
	27 29 00 00-0962	EA		RJ45 100 And 10Base-T, Token Ring, AS400/Sys3x, RS422 (Wires 1-8) for NICs, terminals, hubs, MAUs, etc. (Tripp Lite DNET1).....	35.89	
	27 29 00 00-0963	EA		12 outlets 15' cord 1050 joules Non-Isobar Economy Surge Suppressor 15-Amperes (Tripp Lite DRS-1215).....	135.05	
	27 29 00 00-0964	EA		RJ45 protector (Wires 1-8) for T-1 equipment, CSU/DSUs, digital and leased lines and ISDN. (Tripp Lite DSUT1CSU).....	74.22	
	27 29 00 00-0965	EA		RJ11/45 2-line Dial-Up protector, ideal for modems, faxes, answering machines, etc. (Tripp Lite DTEL2).....	40.20	
	27 29 00 00-0966	EA		350VA UPS Energy Saving Standby 6 Outlets With USB 120 Volt (Tripp Lite ECO350UPS).....	119.19	
	27 29 00 00-0967	EA		550VA UPS Energy Saving Standby 8 Outlets With USB 120 Volt (Tripp Lite ECO550UPS).....	159.79	
	27 29 00 00-0968	EA		TAA Compliant 550VA UPS Energy Efficient 8 outlets And USB Port (Tripp Lite ECO550UPSTAA).....	180.75	
	27 29 00 00-0969	EA		650VA UPS Eco Green LCD 120V USB RJ11 5-15R 8 Outlet (Tripp Lite ECO650LCD).....	182.06	
	27 29 00 00-0970	EA		750VA UPS Energy Saving Standby 12 Outlets With USB 120 Volt (Tripp Lite ECO750UPS).....	221.35	
	27 29 00 00-0971	EA		TAA Compliant 750VA UPS Energy Efficient 12 outlets And USB Port (Tripp Lite ECO750UPSTAA).....	248.86	
	27 29 00 00-0972	EA		850VA UPS Eco Green LCD 120V USB RJ11 5-15R 12 Outlet (Tripp Lite ECO850LCD).....	218.73	
	27 29 00 00-0973	EA		1250W 12V DC to AC Inverter with Automatic Line-to-Battery 55/14-Ampere Charger (Tripp Lite EMS1250UL).....	1,964.66	
	27 29 00 00-0974	EA		Allows UPS to monitor external temp./humidity and contact-closure inputs (requires an SNMP card). (Tripp Lite ENVIROSENSE).....	288.15	
	27 29 00 00-0975	EA		RF Remote for Vista Media Center (Tripp Lite ER-V2).....	93.14	
	27 29 00 00-0976	EA		4 OUTLETS 6' CORD 330 JOULES Isobar Ultra Surge Suppressor 220/240V IEC-320 Receptacles (Tripp Lite EURO-4).....	116.28	
	27 29 00 00-0977	EA		Easy Pull Type A Base Cable - 35' (Tripp Lite EZA-035).....	88.48	
	27 29 00 00-0978	EA		Easy Pull Type A Base Cable, Plenum Rated - 35' (Tripp Lite EZA-035-P).....	256.13	
	27 29 00 00-0979	EA		Easy Pull Type A Base Cable - 50' (Tripp Lite EZA-050).....	116.42	
	27 29 00 00-0980	EA		Easy Pull Type A Base Cable - 50' (Tripp Lite EZA-050-P).....	372.56	
	27 29 00 00-0981	EA		Easy Pull Type A Base Cable - 100' (Tripp Lite EZA-100).....	232.85	
	27 29 00 00-0982	EA		Type A Plenum Base Easy Pull Cable - 100 ft. (Tripp Lite EZA-100-P).....	675.26	
	27 29 00 00-0983	EA		Easy Pull Connectors VGA-F/F w Audio (3.5mm F/F) and 2 faceplates, use w Type A cable Contains 2 Cables - 1' (Tripp Lite EZA-VGAFF-2).....	53.56	
	27 29 00 00-0984	EA		Easy Pull VGA Cable with Audio - Two HD15 (M) with 3.5mm (M) (Tripp Lite EZA-VGAAM-2).....	37.26	
	27 29 00 00-0985	EA		Easy Pull Connectors VGA-M/F w Audio (3.5mm M/F), w Faceplate, use w Type A cable Contains 2 cables and Face Plate - 1' (Tripp Lite EZA-VGAAX-2).....	46.57	
	27 29 00 00-0986	EA		Type A Easy Pull Kit - (2) HD15 With Composite Video and Red/White Audio Female Connectors and Wallplates (Tripp Lite EZA-VGACSAF-2).....	111.77	
	27 29 00 00-0987	EA		Type A Easy Pull Kit - (2) HD15 With Composite Video and Red/White Audio Male Connectors (Tripp Lite EZA-VGACSAM-2).....	81.50	
	27 29 00 00-0988	EA		Type A Easy Pull Kit - HD15 With Composite Video and Red/White Audio - (1) F Connector/Wallplate, (1) M Connector (Tripp Lite EZA-VGACSAX-2).....	102.45	
	27 29 00 00-0989	EA		Easy Pull VGA-F (x2) Connectors w (x2) Faceplates (use w Type A cable) Contains 2 cables - 1' (Tripp Lite EZA-VGAF-2).....	46.57	
	27 29 00 00-0990	EA		Easy Pull VGA-M (x2) Connectors (use w Type A cable) Contains 2 cables - 1' (Tripp Lite EZA-VGAM-2).....	34.93	
	27 29 00 00-0991	EA		Easy Pull HD15-M and HD15-F Connectors (use w Type A cable), w Faceplate contains 2 cables and 1 faceplate - 1' (Tripp Lite EZA-VGAX-2).....	41.91	
	27 29 00 00-0992	EA		25ft Easy Pull Long-Run Display Cable Digital Polyvinyl Chloride (PVC) Trunk Cable 25' (Tripp Lite EZB-025).....	93.14	
	27 29 00 00-0993	EA		Easy Pull Type B Base Cable - 50' (Tripp Lite EZB-050).....	104.78	

## 27 Communications

## 27 20 Data Communications

## 27 29 Data Communications Network Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0994	EA		Easy Pull Type B Base Cable - 100' (Tripp Lite EZB-100).....	186.28	
27 29 00 00-0995	EA		Easy Pull DVI-F (x2) Connectors w (x2) faceplates (use w Type B cable), single link Contains 2 cables - 1' (Tripp Lite EZB-DVIF-2).....	41.91	
27 29 00 00-0996	EA		Easy Pull DVI-M (x2) Connectors (use w Type B Cable), single link Contains 2 cables - 1' (Tripp Lite EZB-DVIM-2).....	37.26	
27 29 00 00-0997	EA		Easy Pull DVI-M/F Connectors w (x1) faceplate (use w Type B cable), single link Contains 2 cables - 1' (Tripp Lite EZB-DVIX-2).....	41.91	
27 29 00 00-0998	EA		Easy Pull HDMI-M (x2) Connectors (use w Type B cable) Contains 2 cables - 1' (Tripp Lite EZB-HDMIM-2).....	48.90	
27 29 00 00-0999	EA		IEEE 1394 FireWire Gold Cable, 6pin/6pin - 6 ft. (Tripp Lite F005-006).....	20.07	
27 29 00 00-1000	EA		IEEE 1394 FireWire Gold Cable, 6pin/6pin - 15 ft. (Tripp Lite F005-015).....	36.34	
27 29 00 00-1001	EA		IEEE 1394 FireWire Gold Cable, 6pin/4pin - 3 ft. (Tripp Lite F007-003).....	19.27	
27 29 00 00-1002	EA		IEEE 1394 FireWire Gold Cable, 6pin/4pin - 6 ft. (Tripp Lite F007-006).....	20.07	
27 29 00 00-1003	EA		IEEE 1394 FireWire Gold Cable, 6pin/4pin - 15 ft. (Tripp Lite F007-015).....	34.13	
27 29 00 00-1004	EA		IEEE 1394 FireWire Gold Cable, 4pin/4pin - 6 ft. (Tripp Lite F009-006).....	20.07	
27 29 00 00-1005	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/9pin - 6' (Tripp Lite F015-006).....	52.19	
27 29 00 00-1006	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/9pin - 10' (Tripp Lite F015-010).....	64.24	
27 29 00 00-1007	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/6pin - 6' (Tripp Lite F017-006).....	44.15	
27 29 00 00-1008	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/6pin - 10' (Tripp Lite F017-010).....	50.18	
27 29 00 00-1009	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/4pin - 6' (Tripp Lite F019-006).....	38.14	
27 29 00 00-1010	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/4pin - 10' (Tripp Lite F019-010).....	55.20	
27 29 00 00-1011	EA		Mobile AC Power for Medical Cart. Power Supply with Isolation Transformer. Battery Module. UL 60601-1 Listed (Tripp Lite HCRK).....	2,736.76	
27 29 00 00-1012	EA		Medical Power System With 36-Ampere Hours Battery UL60601-1 Compliance (Tripp Lite HCRK-36).....	2,051.10	
27 29 00 00-1013	EA		Medical Power System With 54-Ampere Hours Battery UL60601-1 Compliance (Tripp Lite HCRK-54).....	2,277.69	
27 29 00 00-1014	EA		10 outlets 8' cord 3570 joules 3 pair coax 1 line phone 1 pair ethernet Isolated filter banks. Metal case. Holds 6 transformers. (Tripp Lite HT10DBS).....	202.58	
27 29 00 00-1015	EA		12 outlets 10' cord 5700 joules 3 pair coax 1 line phone 1 ethernet. Premium Isobar Surge Protection for Home Theater Components. Includes digital IR remote. (Tripp Lite HT1210ISOCTR).....	696.22	
27 29 00 00-1016	EA		Home Theater Surge 12 outlet 3coax Tel/DSL/Ethernet 2880 Joules (Tripp Lite HT1210SAT3).....	112.93	
27 29 00 00-1017	EA		7 outlets 6' cord 1680 joules 2 pair coax 1 line phone Holds 4 transformers. (Tripp Lite HT706TSAT).....	51.81	
27 29 00 00-1018	EA		7 outlets 6' cord 1080 joules 1 pair coax Holds 4 transformers. (Tripp Lite HT706TV).....	46.57	
27 29 00 00-1019	EA		8 outlets 10' cord 5700 joules 3 pair coax 1 line phone Premium Isobar Surge Protection for Home Theater Components. (Tripp Lite HT810ISOCTR).....	360.91	
27 29 00 00-1020	EA		Standby UPS System.1-line multi-device modem/fax protection. Coax protection. USB port/software/cabling. 12 outlets (6 UPS/surge, 6 surge only) (Tripp Lite HT850UPS).....	340.54	
27 29 00 00-1021	EA		Protect It! Surge 6 Swivel Outlets Direct Plug 1200 Joules Coax + TEL (Tripp Lite HTSWIVEL6).....	44.24	
27 29 00 00-1022	EA		4 OUTLETS 6' CORD 330 JOULES Isobar Ultra Surge Suppressor 220/240V US 5-15R Receptacles (Tripp Lite IB4-6/220).....	115.06	
27 29 00 00-1023	EA		12 outlets 15' cord 1280 joules Isobar Surge Suppressor with Locking Plug 20 -Amperes (Tripp Lite IBAR12-20T).....	332.97	
27 29 00 00-1024	EA		2 OUTLETS 6' CORD 600 JOULES Isobar Ultra Surge Suppressor (Tripp Lite IBAR2-6D).....	69.27	
27 29 00 00-1025	EA		4 OUTLETS 6' CORD 2200 JOULES Isobar Ultra Surge Suppressor (Tripp Lite IBAR4-6D).....	93.14	
27 29 00 00-1026	EA		Premium Surge Suppressor. 15 ft. cord. 1 isolated filter bank. Diagnostics. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite IBAR6 HG).....	192.10	
27 29 00 00-1027	EA		6 OUTLETS 6' CORD 2350 JOULES Isobar Ultra Surge Suppressor (Tripp Lite IBAR6-6D).....	111.77	
27 29 00 00-1028	EA		8 OUTLETS 12' CORD 2350 JOULES Isobar Ultra Surge Suppressor with 9ft. Remote On/Off Switch (Tripp Lite IBAR8-15RM).....	162.99	
27 29 00 00-1029	EA		2 OUTLETS Direct Plug-In 600 JOULES Isobar Ultra Surge Suppressor with diagnostic LED (Tripp Lite IBLOK2-0).....	54.72	
27 29 00 00-1030	EA		12 outlets 15' cord 1280 joules Isobar Surge Suppressor 15-Amperes (Tripp Lite IBR12).....	256.13	
27 29 00 00-1031	EA		Mini Optical Mouse. Retractable cable extends up to 31 inches. (Tripp Lite IN3000WI).....	34.93	
27 29 00 00-1032	EA		Multimedia Keyboard. Includes 12 customized hot keys. (Tripp Lite IN3005KB).....	40.17	
27 29 00 00-1033	EA		Notebook Ultra-Slim Premier Office Keyboard with USB and Internet Hot Keys. (Tripp Lite IN3007KB).....	45.99	
27 29 00 00-1034	EA		Notebook Ultra-Slim Compact Flexible Keyboard with USB, PS2 and 106 Keys. (Tripp Lite IN3008KB).....	45.99	
27 29 00 00-1035	EA		Notebook Wireless Multimedia Flexible Keyboard with USB and Internet Hot Keys. (Tripp Lite IN3010KB).....	114.10	
27 29 00 00-1036	EA		350VA UPS System Compact Low Profile Standby Serial Port 120V 6 Outlet - 350 VA 1 DB9, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET350SER).....	119.19	
27 29 00 00-1037	EA		350VA UPS System Compact Low Profile Standby USB 120V 8 Outlet - 350 VA1 USB, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET350U).....	112.64	
27 29 00 00-1038	EA		550VA UPS System Compact Low Profile Standby Serial Port 120V 8 Outlet - 550 VA 1 DB9, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET550SER).....	151.93	
27 29 00 00-1039	EA		550VA UPS System Compact Low Profile Standby USB 120V 8 Outlet - 550 VA1 USB, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET550U).....	151.93	
27 29 00 00-1040	EA		560VA UPS System Compact Low Profile Standby USB 120V 8 Outlet - 600 VA 1 USB, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET600U).....	157.17	
27 29 00 00-1041	EA		750VA UPS System Compact Low Profile Standby USB 120V 8 Outlet - 750 VA1 USB, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET750U).....	216.11	
27 29 00 00-1042	EA		900VA UPS System Compact Low Profile Standby USB 120V 12 Outlet - 900 VA 1 USB, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET900U).....	243.62	
27 29 00 00-1043	EA		300VA UPS System Ultra Compact Low Profile Standby 120V 6 Outlet - 300 VA, Modem/Fax Protection (Tripp Lite INTRNT OFFC300).....	161.10	
27 29 00 00-1044	EA		500VA UPS System Ultra Compact Low Profile Standby 120V 6 Outlet - 500 VA1 USB, 2 Line Multi Device Modem/Fax Protection (Tripp Lite INTRNT OFFC500R).....	264.57	
27 29 00 00-1045	EA		Tripp Lite 700VA UPS Battery Backup Tower 120V USB RJ45 (Tripp Lite INTRNT OFFC700R).....	290.77	
27 29 00 00-1046	EA		1000 Watt FULL ISOLATION. Transformer With Faraday Shield, 4 Outlets. (Tripp Lite IS-1000).....	641.79	
27 29 00 00-1047	EA		1000 Watt FULL ISOLATION. Transformer with Faraday shield. UL 60601-1 Listed. 4 hospital-grade outlets and hospital-grade plug. (Tripp Lite IS1000HG).....	983.78	
27 29 00 00-1048	EA		1800 Watt FULL ISOLATION. Transformer with Faraday shield. UL 60601-1 Listed. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite IS1800HG).....	1,542.62	
27 29 00 00-1049	EA		250 Watt FULL ISOLATION. Transformer With Faraday Shield, 2 Outlets. (Tripp Lite IS-250).....	259.33	
27 29 00 00-1050	EA		250 Watt FULL ISOLATION. Transformer with Faraday shield. UL 60601-1 Listed. 2 hospital-grade outlets and hospital-grade plug. (Tripp Lite IS250HG).....	468.61	
27 29 00 00-1051	EA		500 Watt FULL ISOLATION. Transformer With Faraday Shield, 4 Outlets. (Tripp Lite IS-500).....	411.27	
27 29 00 00-1052	EA		500 Watt FULL ISOLATION. Transformer with Faraday shield. UL 60601-1 Listed. 4 hospital-grade outlets and hospital-grade plug. (Tripp Lite IS500HG).....	651.97	
27 29 00 00-1053	EA		12 outlets 15' cord 1280 joules Isobar Ultra Surge Suppressor 15-Amperes (Tripp Lite ISOBAR12 ULTRA).....	246.82	
27 29 00 00-1054	EA		12 outlets 15' cord 1280 joules Isobar Ultra Surge Suppressor 20 -Amperes (Tripp Lite ISOBAR12/20 UL).....	279.42	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	27 29 00 00-1055	EA		4 OUTLETS 6' CORD 2200 JOULES Isobar Ultra Surge Suppressor with diagnostic LED'S (Tripp Lite ISOBAR4 ULTRA).....	102.45	
	27 29 00 00-1056	EA		6 OUTLETS 6' CORD 2350 JOULES Isobar Ultra Surge Suppressor with diagnostic LED'S (Tripp Lite ISOBAR6 ULTRA).....	116.42	
	27 29 00 00-1057	EA		6 OUTLETS 6' CORD 2850 JOULES Isobar Ultra Surge Suppressor with 2 line Coax, Modem/Fax Protection and diagnostic LED'S (Tripp Lite ISOBAR6DBS).....	138.54	
	27 29 00 00-1058	EA		8 OUTLETS 12' CORD 2350 JOULES Isobar Ultra Surge Suppressor with diagnostic LED'S (Tripp Lite ISOBAR8 ULTRA).....	133.89	
	27 29 00 00-1059	EA		Isobar Ultra Surge With Fax/Modem 8 outlets 25' Cord 2350 Joules (Tripp Lite ISOBAR825ULTRA) .....	153.68	
	27 29 00 00-1060	EA		4 OUTLETS 6' CORD 2700 JOULES Isobar Ultra Surge Suppressor with Modem/Fax Protection (Tripp Lite ISOTEL).....	116.42	
	27 29 00 00-1061	EA		4 OUTLETS 6' CORD 2700 JOULES Isobar Ultra Surge Suppressor with Modem/Fax Protection and diagnostic LED'S (Tripp Lite ISOTEL4 ULTRA).....	126.32	
	27 29 00 00-1062	EA		6 OUTLETS 6' CORD 2850 JOULES Isobar Ultra Surge Suppressor with 2 line Modem/Fax Protection and diagnostic LED'S (Tripp Lite ISOTEL6 ULTRA).....	138.54	
	27 29 00 00-1063	EA		8 OUTLETS 12' CORD 2850 JOULES Isobar Ultra Surge Suppressor with Modem/Fax Protection and diagnostic LED'S (Tripp Lite ISOTEL8 ULTRA).....	154.84	
	27 29 00 00-1064	EA		1200 Watt ISOBAR® Protection, High/Low Voltage Correction, 4 Outlets. (Tripp Lite LC1200).....	254.10	
	27 29 00 00-1065	EA		1,800 Watt ISOBAR® Protection, High/Low Voltage Correction, 7 LED Readout, 6 Outlets. (Tripp Lite LC1800) .....	377.21	
	27 29 00 00-1066	EA		2400 Watt ISOBAR® Protection, High/Low Voltage Correction, 7 LED Readout, 6 Outlets. (Tripp Lite LC2400) .....	510.81	
	27 29 00 00-1067	EA		2,400 Watt Rackmount, 3U, ISOBAR® Protection, High/Low Voltage Correction, 5 LED Readout, 14 Outlets. (Tripp Lite LCR2400) .....	691.56	
	27 29 00 00-1068	EA		1,000 Watt, 230 Volt, 50/60 Hertz, 4 NEMA 5-15R Outlets, 1 Universal Outlet Adapter (Tripp Lite LR1000) .....	301.25	
	27 29 00 00-1069	EA		2,000 Watt, 230 Volt, 50/60 Hertz, 2 NEMA 5-15R, 2 NEMA 6-15R And 2 IEC-320 Outlets, 1 Universal Outlet Adapter (Tripp Lite LR2000) .....	560.58	
	27 29 00 00-1070	EA		600 Watt, 230 Volt, 50/60 Hertz, 3 IEC-320 Outlets (Tripp Lite LR604) .....	227.90	
	27 29 00 00-1071	EA		600 Watt, Wallmount, High/Low Voltage Correction, 4 Outlets. (Tripp Lite LS604WM) .....	241.00	
	27 29 00 00-1072	EA		600 Watt, High/Low Voltage Correction, 6 Outlets (Tripp Lite LS606M) .....	183.37	
	27 29 00 00-1073	EA		UPS / PC Communication via MODBUS RS-422/485 And RS-232 Ports (Tripp Lite MODBUSCARD).....	582.12	
	27 29 00 00-1074	EA		6 OUTLETS 10' CORD 1790 JOULES Isobar Ultra Under Monitor Surge Suppressor with Modem/Fax Protection (Tripp Lite MT-6PLUS).....	175.65	
	27 29 00 00-1075	EA		1ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Blue 1' (Tripp Lite N001-001-BL) .....	4.41	
	27 29 00 00-1076	EA		1ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Yellow 1' (Tripp Lite N001-001-YW) .....	4.41	
	27 29 00 00-1077	EA		2ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Blue 2' (Tripp Lite N001-002-BL) .....	4.82	
	27 29 00 00-1078	EA		Cat5e 350MHz Black Snagless Molded Patch Cable RJ45 - 3' (Tripp Lite N001-003-BK) .....	5.62	
	27 29 00 00-1079	EA		Cat5e (350MHz) Blue Molded Snagless Patch Cable, RJ45M/M - 3' (Tripp Lite N001-003-BL) .....	5.62	
	27 29 00 00-1080	EA		3ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Green 3' (Tripp Lite N001-003-GN) .....	5.62	
	27 29 00 00-1081	EA		Cat5e 350MHz Gray Snagless Molded Patch Cable RJ45 - 3' (Tripp Lite N001-003-GY) .....	5.62	
	27 29 00 00-1082	EA		3ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Red 3' (Tripp Lite N001-003-RD).....	5.62	
	27 29 00 00-1083	EA		3ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M White 3' (Tripp Lite N001-003-WH) .....	5.62	
	27 29 00 00-1084	EA		Cat5e 350MHz Yellow Snagless Molded Patch Cable RJ45M/M - 3 ft. (Tripp Lite N001-003-YW) .....	5.62	
	27 29 00 00-1085	EA		4ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Blue 4' (Tripp Lite N001-004-BL) .....	5.62	
	27 29 00 00-1086	EA		Cat5e 350MHz Black Snagless Molded Patch Cable RJ45 - 5' (Tripp Lite N001-005-BK) .....	6.62	
	27 29 00 00-1087	EA		Cat5e 350MHz Blue Snagless Molded Patch Cable RJ45 - 5' (Tripp Lite N001-005-BL) .....	6.62	
	27 29 00 00-1088	EA		5ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Green 5' (Tripp Lite N001-005-GN) .....	6.62	
	27 29 00 00-1089	EA		Cat5e 350MHz Gray Snagless Molded Patch Cable RJ45 - 5' (Tripp Lite N001-005-GY) .....	6.62	
	27 29 00 00-1090	EA		5ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Red 5' (Tripp Lite N001-005-RD).....	6.62	
	27 29 00 00-1091	EA		Cat5e 350MHz Yellow Snagless Molded Patch Cable RJ45M/M - 5 ft. (Tripp Lite N001-005-YW) .....	6.62	
	27 29 00 00-1092	EA		Cat5e 350MHz Black Snagless Molded Patch Cable RJ45M/M - 6 ft. (Tripp Lite N001-006-BK) .....	7.63	
	27 29 00 00-1093	EA		Cat5e 350MHz Blue Snagless Molded Patch Cable RJ45M/M - 6 ft. (Tripp Lite N001-006-BL) .....	7.63	
	27 29 00 00-1094	EA		6ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Gray 6' (Tripp Lite N001-006-GY) .....	7.63	
	27 29 00 00-1095	EA		6ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Yellow 6' (Tripp Lite N001-006-YW) .....	7.63	
	27 29 00 00-1096	EA		Cat5e 350MHz Black Snagless Molded Patch Cable RJ45 - 7' (Tripp Lite N001-007-BK) .....	7.83	
	27 29 00 00-1097	EA		Cat5e (350MHz) Blue Molded Snagless Patch Cable, RJ45M/M - 7' (Tripp Lite N001-007-BL) .....	7.83	
	27 29 00 00-1098	EA		7ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Green 7' (Tripp Lite N001-007-GN) .....	7.83	
	27 29 00 00-1099	EA		Cat5e 350MHz Gray Snagless Molded Patch Cable RJ45 - 7' (Tripp Lite N001-007-GY) .....	7.83	
	27 29 00 00-1100	EA		Cat5e 350MHz Gray Snagless Molded Patch Cable RJ45 - 7' (Tripp Lite N001-007-GY-R) .....	5.62	
	27 29 00 00-1101	EA		7ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Orange 7' (Tripp Lite N001-007-OR) .....	7.83	
	27 29 00 00-1102	EA		7ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Red 7' (Tripp Lite N001-007-RD) .....	7.83	
	27 29 00 00-1103	EA		7ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M White 7' (Tripp Lite N001-007-WH) .....	7.83	
	27 29 00 00-1104	EA		Cat5e 350MHz Gray Snagless Molded Patch Cable RJ45M/M - 7 ft. (Tripp Lite N001-007-YW) .....	7.83	
	27 29 00 00-1105	EA		8ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Blue 8' (Tripp Lite N001-008-BL) .....	8.43	
	27 29 00 00-1106	EA		Cat5e 350MHz Black Snagless Molded Patch Cable RJ45 - 10' (Tripp Lite N001-010-BK) .....	9.23	
	27 29 00 00-1107	EA		Cat5e (350MHz) Blue Molded Snagless Patch Cable, RJ45M/M - 10' (Tripp Lite N001-010-BL) .....	9.23	
	27 29 00 00-1108	EA		10ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Green 10' (Tripp Lite N001-010-GN) .....	9.23	
	27 29 00 00-1109	EA		Cat5e 350MHz Gray Snagless Molded Patch Cable RJ45 - 10' (Tripp Lite N001-010-GY) .....	9.23	
	27 29 00 00-1110	EA		10ft Cat5e / Cat5 350MHz Snagless Patch Cbl RJ45 M/M Orange 10' (Tripp Lite N001-010-OR) .....	9.23	
	27 29 00 00-1111	EA		10ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M White 10' (Tripp Lite N001-010-WH) .....	9.23	
	27 29 00 00-1112	EA		Cat5e 350MHz Yellow Snagless Molded Patch Cable RJ45M/M - 10 ft. (Tripp Lite N001-010-YW) .....	9.23	
	27 29 00 00-1113	EA		12ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Gray 12' (Tripp Lite N001-012-GY) .....	9.84	
	27 29 00 00-1114	EA		Cat5e 350MHz Black Snagless Molded Patch Cable RJ45 - 14' (Tripp Lite N001-014-BK) .....	10.43	
	27 29 00 00-1115	EA		Cat5e 350MHz Blue Snagless Molded Patch Cable RJ45 - 14' (Tripp Lite N001-014-BL) .....	10.43	
	27 29 00 00-1116	EA		14ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Green 14' (Tripp Lite N001-014-GN) .....	10.43	
	27 29 00 00-1117	EA		Cat5e 350MHz Gray Snagless Molded Patch Cable RJ45 - 14' (Tripp Lite N001-014-GY) .....	10.43	
	27 29 00 00-1118	EA		Cat5e 350MHz Gray Snagless Molded Patch Cable RJ45 - 14' (Tripp Lite N001-014-GY-R) .....	8.03	
	27 29 00 00-1119	EA		14ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Red 14' (Tripp Lite N001-014-RD).....	10.43	
	27 29 00 00-1120	EA		14ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M White 14' (Tripp Lite N001-014-WH) .....	10.43	
	27 29 00 00-1121	EA		Cat5e 350MHz Yellow Snagless Molded Patch Cable RJ45M/M - 14 ft. (Tripp Lite N001-014-YW) .....	10.43	
	27 29 00 00-1122	EA		Cat5e 350MHz Black Snagless Molded Patch Cable RJ45M/M - 15 ft. (Tripp Lite N001-015-BK) .....	12.24	
	27 29 00 00-1123	EA		Cat5e 350MHz Blue Snagless Molded Patch Cable RJ45M/M - 15 ft. (Tripp Lite N001-015-BL) .....	12.24	
	27 29 00 00-1124	EA		15ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Green 15' (Tripp Lite N001-015-GN) .....	12.24	
	27 29 00 00-1125	EA		Cat5e 350MHz Gray Snagless Molded Patch Cable RJ45 - 15' (Tripp Lite N001-015-GY) .....	12.24	
	27 29 00 00-1126	EA		15ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Red 15' (Tripp Lite N001-015-RD).....	12.24	
	27 29 00 00-1127	EA		15ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M YLW 15' (Tripp Lite N001-015-YW) .....	12.24	
	27 29 00 00-1128	EA		20ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Blue 20' (Tripp Lite N001-020-BL) .....	15.66	
	27 29 00 00-1129	EA		20ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Green 20' (Tripp Lite N001-020-GN) .....	15.66	

## 27 Communications

## 27 20 Data Communications

## 27 29 Data Communications Network Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1130	EA		20ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Gray 20' (Tripp Lite N001-020-GY).....	15.66	
27 29 00 00-1131	EA		Cat5e 350MHz Black Snagless Molded Patch Cable RJ45 - 25' (Tripp Lite N001-025-BK).....	19.06	
27 29 00 00-1132	EA		Cat5e (350MHz) Blue Molded Snagless Patch Cable, RJ45M/M - 25' (Tripp Lite N001-025-BL).....	19.06	
27 29 00 00-1133	EA		25ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Green 25' (Tripp Lite N001-025-GN).....	19.06	
27 29 00 00-1134	EA		Cat5e 350MHz Gray Snagless Molded Patch Cable RJ45 - 25' (Tripp Lite N001-025-GY).....	19.06	
27 29 00 00-1135	EA		25ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Red 25' (Tripp Lite N001-025-RD).....	19.06	
27 29 00 00-1136	EA		25ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M White 25' (Tripp Lite N001-025-WH).....	19.06	
27 29 00 00-1137	EA		Cat5e 350MHz Yellow Snagless Molded Patch Cable RJ45M/M - 25 ft. (Tripp Lite N001-025-YW).....	19.06	
27 29 00 00-1138	EA		Cat5e 350MHz Black Snagless Molded Patch Cable RJ45M/M - 30 ft. (Tripp Lite N001-030-BK).....	24.09	
27 29 00 00-1139	EA		30ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Blue 30' (Tripp Lite N001-030-BL).....	24.09	
27 29 00 00-1140	EA		30ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Gray 30' (Tripp Lite N001-030-GY).....	24.09	
27 29 00 00-1141	EA		40ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Blue 40' (Tripp Lite N001-040-BL).....	30.11	
27 29 00 00-1142	EA		Cat5e 350MHz Black Snagless Molded Patch Cable RJ45 - 50' (Tripp Lite N001-050-BK).....	36.53	
27 29 00 00-1143	EA		Cat5e 350MHz Blue Snagless Molded Patch Cable RJ45 - 50' (Tripp Lite N001-050-BL).....	36.53	
27 29 00 00-1144	EA		50ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Green 50' (Tripp Lite N001-050-GN).....	36.53	
27 29 00 00-1145	EA		Cat5e 350MHz Gray Snagless Molded Patch Cable RJ45 - 50' (Tripp Lite N001-050-GY).....	36.53	
27 29 00 00-1146	EA		50ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Red 50' (Tripp Lite N001-050-RD).....	36.53	
27 29 00 00-1147	EA		50ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M White 50' (Tripp Lite N001-050-WH).....	36.53	
27 29 00 00-1148	EA		50ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M YLW 50' (Tripp Lite N001-050-YW).....	36.53	
27 29 00 00-1149	EA		75ft Cat5e / Cat5 350MHz Snagless Patch Cable RJ45 M/M Blue 75' (Tripp Lite N001-075-BL).....	52.19	
27 29 00 00-1150	EA		Cat5e 350MHz Gray Snagless Molded Patch Cable RJ45 - 75' (Tripp Lite N001-075-GY).....	52.19	
27 29 00 00-1151	EA		Cat5e 350MHz Black Snagless Molded Patch Cable RJ45M/M - 100 ft. (Tripp Lite N001-100-BK).....	74.26	
27 29 00 00-1152	EA		Cat5e 350MHz Gray Snagless Molded Patch Cable RJ45 - 100' (Tripp Lite N001-100-GY).....	74.26	
27 29 00 00-1153	EA		Cat5e 350MHz Gray Snagless Molded Patch Cable RJ45 - 125' (Tripp Lite N001-125-GY).....	76.27	
27 29 00 00-1154	EA		Cat5e 350MHz Gray Snagless Molded Patch Cable RJ45 - 150' (Tripp Lite N001-150-GY).....	108.39	
27 29 00 00-1155	EA		Cat5e 350MHz Gray Snagless Molded Patch Cable RJ45 - 200' (Tripp Lite N001-200-GY).....	186.69	
27 29 00 00-1156	EA		Cat5e 350MHz Black Molded Patch Cable RJ45 - 1' (Tripp Lite N002-001-BK).....	4.41	
27 29 00 00-1157	EA		Cat5e 350MHz Blue Molded Patch Cable RJ45M/M - 1' (Tripp Lite N002-001-BL).....	4.41	
27 29 00 00-1158	EA		Cat5e 350MHz Green Molded Patch Cable RJ45M/M - 1 ft. (Tripp Lite N002-001-GN).....	4.41	
27 29 00 00-1159	EA		Cat5e 350MHz Gray Molded Patch Cable RJ45 - 1' (Tripp Lite N002-001-GY).....	4.41	
27 29 00 00-1160	EA		Cat5e 350MHz Red Molded Patch Cable RJ45M/M - 1 ft. (Tripp Lite N002-001-RD).....	4.41	
27 29 00 00-1161	EA		Cat5e 350MHz White Molded Patch Cable RJ45M/M - 1 ft. (Tripp Lite N002-001-WH).....	4.41	
27 29 00 00-1162	EA		Cat5e 350MHz Yellow Molded Patch Cable RJ45M/M - 1 ft. (Tripp Lite N002-001-YW).....	4.41	
27 29 00 00-1163	EA		Cat5e 350MHz Black Molded Patch Cable RJ45 - 2' (Tripp Lite N002-002-BK).....	4.61	
27 29 00 00-1164	EA		Cat5e 350MHz Blue Molded Patch Cable RJ45 - 2' (Tripp Lite N002-002-BL).....	4.61	
27 29 00 00-1165	EA		Cat5e 350MHz Gray Molded Patch Cable RJ45 - 2' (Tripp Lite N002-002-GY).....	4.61	
27 29 00 00-1166	EA		Cat5e 350MHz Black Molded Patch Cable RJ45M/M - 3' (Tripp Lite N002-003-BK).....	4.82	
27 29 00 00-1167	EA		Cat5e 350MHz Blue Molded Patch Cable RJ45M/M - 3' (Tripp Lite N002-003-BL).....	4.82	
27 29 00 00-1168	EA		Cat5e 350MHz Green Molded Patch Cable RJ45M/M - 3' (Tripp Lite N002-003-GN).....	4.82	
27 29 00 00-1169	EA		Cat5e (350MHz) Gray Molded Patch Cable, RJ45M/M - 3' (Tripp Lite N002-003-GY).....	4.82	
27 29 00 00-1170	EA		Cat5e 350MHz Red Molded Patch Cable RJ45M/M - 3' (Tripp Lite N002-003-RD).....	4.82	
27 29 00 00-1171	EA		Cat5e 350MHz White Molded Patch Cable RJ45M/M - 3' (Tripp Lite N002-003-WH).....	4.82	
27 29 00 00-1172	EA		Cat5e 350MHz Yellow Molded Patch Cable RJ45M/M - 3' (Tripp Lite N002-003-YW).....	4.82	
27 29 00 00-1173	EA		Cat5e 350MHz Black Molded Patch Cable RJ45M/M - 4 ft. (Tripp Lite N002-004-BK).....	5.22	
27 29 00 00-1174	EA		Cat5e 350MHz Blue Molded Patch Cable RJ45M/M - 4 ft. (Tripp Lite N002-004-BL).....	5.22	
27 29 00 00-1175	EA		Cat5e 350MHz Gray Molded Patch Cable RJ45M/M - 4 ft. (Tripp Lite N002-004-GY).....	5.22	
27 29 00 00-1176	EA		Cat5e 350MHz Black Molded Patch Cable RJ45M/M - 5' (Tripp Lite N002-005-BK).....	5.62	
27 29 00 00-1177	EA		Cat5e 350MHz Blue Molded Patch Cable RJ45M/M - 5' (Tripp Lite N002-005-BL).....	5.62	
27 29 00 00-1178	EA		Cat5e 350MHz Green Molded Patch Cable RJ45M/M - 5' (Tripp Lite N002-005-GN).....	5.62	
27 29 00 00-1179	EA		Cat5e 350MHz Gray Molded Patch Cable RJ45M/M - 5' (Tripp Lite N002-005-GY).....	5.62	
27 29 00 00-1180	EA		Cat5e 350MHz Red Molded Patch Cable RJ45M/M - 5' (Tripp Lite N002-005-RD).....	5.62	
27 29 00 00-1181	EA		Cat5e 350MHz White Molded Patch Cable RJ45M/M - 5' (Tripp Lite N002-005-WH).....	5.62	
27 29 00 00-1182	EA		Cat5e 350MHz Yellow Molded Patch Cable RJ45M/M - 5' (Tripp Lite N002-005-YW).....	5.62	
27 29 00 00-1183	EA		Cat5e 350MHz Black Molded Patch Cable RJ45M/M - 6 ft. (Tripp Lite N002-006-BK).....	6.62	
27 29 00 00-1184	EA		Cat5e 350MHz Blue Molded Patch Cable RJ45M/M - 6 ft. (Tripp Lite N002-006-BL).....	6.62	
27 29 00 00-1185	EA		Cat5e 350MHz Gray Molded Patch Cable RJ45M/M - 6 ft. (Tripp Lite N002-006-GY).....	6.62	
27 29 00 00-1186	EA		Cat5e 350MHz Red Molded Patch Cable RJ45M/M - 6 ft. (Tripp Lite N002-006-RD).....	6.62	
27 29 00 00-1187	EA		6ft Cat5e / Cat5 350MHz Patch Cable RJ45 M/M White 6' (Tripp Lite N002-006-WH).....	6.62	
27 29 00 00-1188	EA		Cat5e 350MHz Yellow Molded Patch Cable RJ45M/M - 5 ft. (Tripp Lite N002-006-YW).....	6.62	
27 29 00 00-1189	EA		Cat5e 350MHz Black Molded Patch Cable RJ45M/M - 7' (Tripp Lite N002-007-BK).....	7.23	
27 29 00 00-1190	EA		Cat5e 350MHz Blue Molded Patch Cable RJ45M/M - 7' (Tripp Lite N002-007-BL).....	7.23	
27 29 00 00-1191	EA		Cat5e 350MHz Green Molded Patch Cable RJ45M/M - 7' (Tripp Lite N002-007-GN).....	7.23	
27 29 00 00-1192	EA		Cat5e (350MHz) Gray Molded Patch Cable, RJ45M/M - 7' (Tripp Lite N002-007-GY).....	7.23	
27 29 00 00-1193	EA		Cat5e 350MHz Red Molded Patch Cable RJ45M/M - 7' (Tripp Lite N002-007-RD).....	7.23	
27 29 00 00-1194	EA		Cat5e 350MHz White Molded Patch Cable RJ45M/M - 7' (Tripp Lite N002-007-WH).....	7.23	
27 29 00 00-1195	EA		Cat5e 350MHz Yellow Molded Patch Cable RJ45M/M - 7' (Tripp Lite N002-007-YW).....	7.23	
27 29 00 00-1196	EA		Cat5e 350MHz Black Molded Patch Cable RJ45M/M - 10' (Tripp Lite N002-010-BK).....	8.43	
27 29 00 00-1197	EA		Cat5e 350MHz Blue Molded Patch Cable RJ45M/M - 10' (Tripp Lite N002-010-BL).....	8.43	
27 29 00 00-1198	EA		Cat5e 350MHz Green Molded Patch Cable RJ45M/M - 10' (Tripp Lite N002-010-GN).....	8.43	
27 29 00 00-1199	EA		Cat5e (350MHz) Gray Molded Patch Cable, RJ45M/M - 10' (Tripp Lite N002-010-GY).....	8.43	
27 29 00 00-1200	EA		Cat5e 350MHz Red Molded Patch Cable RJ45M/M - 10' (Tripp Lite N002-010-RD).....	8.43	
27 29 00 00-1201	EA		Cat5e 350MHz White Molded Patch Cable RJ45M/M - 10' (Tripp Lite N002-010-WH).....	8.43	
27 29 00 00-1202	EA		Cat5e 350MHz Yellow Molded Patch Cable RJ45M/M - 10' (Tripp Lite N002-010-YW).....	8.43	
27 29 00 00-1203	EA		12ft Cat5e / Cat5 350MHz Patch Cable RJ45 M/M Gray 12' (Tripp Lite N002-012-GY).....	9.23	
27 29 00 00-1204	EA		Cat5e 350MHz Black Molded Patch Cable RJ45M/M - 14' (Tripp Lite N002-014-BK).....	9.84	
27 29 00 00-1205	EA		Cat5e 350MHz Blue Molded Patch Cable RJ45M/M - 14' (Tripp Lite N002-014-BL).....	9.84	
27 29 00 00-1206	EA		Cat5e 350MHz Green Molded Patch Cable RJ45M/M - 14' (Tripp Lite N002-014-GN).....	9.84	
27 29 00 00-1207	EA		Cat5e 350MHz Gray Molded Patch Cable RJ45M/M - 14' (Tripp Lite N002-014-GY).....	9.84	
27 29 00 00-1208	EA		Cat5e 350MHz Orange Molded Patch Cable RJ45M/M - 14' (Tripp Lite N002-014-OR).....	9.84	
27 29 00 00-1209	EA		Cat5e 350MHz Red Molded Patch Cable RJ45M/M - 14' (Tripp Lite N002-014-RD).....	9.84	
27 29 00 00-1210	EA		Cat5e 350MHz White Molded Patch Cable RJ45M/M - 14' (Tripp Lite N002-014-WH).....	9.84	
27 29 00 00-1211	EA		Cat5e 350MHz Yellow Molded Patch Cable RJ45M/M - 14' (Tripp Lite N002-014-YW).....	9.84	
27 29 00 00-1212	EA		15ft Cat5e / Cat5 350MHz Patch Cable RJ45 M/M Black 15' (Tripp Lite N002-015-BK).....	10.64	
27 29 00 00-1213	EA		Cat5e 350MHz Blue Molded Patch Cable RJ45M/M - 15 ft. (Tripp Lite N002-015-BL).....	10.64	
27 29 00 00-1214	EA		15ft Cat5e / Cat5 350MHz Patch Cable RJ45 M/M Green 15' (Tripp Lite N002-015-GN).....	10.64	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1215	EA			Cat5e 350MHz Gray Molded Patch Cable RJ45M/M - 15' (Tripp Lite N002-015-GY).....	10.64	
27 29 00 00-1216	EA			15ft Cat5e / Cat5 350MHz Patch Cable RJ45 M/M Yellow 15' (Tripp Lite N002-015-YW).....	10.64	
27 29 00 00-1217	EA			20ft Cat5e / Cat5 350MHz Patch Cable RJ45 M/M Black 20' (Tripp Lite N002-020-BK).....	13.65	
27 29 00 00-1218	EA			20ft Cat5e / Cat5 350MHz Patch Cable RJ45 M/M Blue 20' (Tripp Lite N002-020-BL).....	13.65	
27 29 00 00-1219	EA			Cat5e 350MHz Gray Molded Patch Cable RJ45M/M - 20' (Tripp Lite N002-020-GY).....	13.65	
27 29 00 00-1220	EA			Cat5e 350MHz Black Molded Patch Cable RJ45M/M - 25' (Tripp Lite N002-025-BK).....	15.86	
27 29 00 00-1221	EA			Cat5e 350MHz Blue Molded Patch Cable RJ45M/M - 25' (Tripp Lite N002-025-BL).....	15.86	
27 29 00 00-1222	EA			Cat5e 350MHz Green Molded Patch Cable RJ45M/M - 25' (Tripp Lite N002-025-GN).....	15.86	
27 29 00 00-1223	EA			Cat5e (350MHz) Gray Molded Patch Cable, RJ45M/M - 25' (Tripp Lite N002-025-GY).....	15.86	
27 29 00 00-1224	EA			Cat5e 350MHz Red Molded Patch Cable RJ45M/M - 25' (Tripp Lite N002-025-RD).....	15.86	
27 29 00 00-1225	EA			Cat5e 350MHz White Molded Patch Cable RJ45M/M - 25' (Tripp Lite N002-025-WH).....	15.86	
27 29 00 00-1226	EA			Cat5e 350MHz Yellow Molded Patch Cable RJ45M/M - 25' (Tripp Lite N002-025-YW).....	15.86	
27 29 00 00-1227	EA			30ft Cat5e / Cat5 350MHz Patch Cable RJ45 M/M Blue 30' (Tripp Lite N002-030-BL).....	18.06	
27 29 00 00-1228	EA			Cat5e 350MHz Blue Molded Patch Cable RJ45M/M - 50' (Tripp Lite N002-050-BK).....	28.10	
27 29 00 00-1229	EA			50ft Cat5e / Cat5 350MHz Patch Cable RJ45 M/M Blue 50' (Tripp Lite N002-050-BL).....	28.10	
27 29 00 00-1230	EA			Cat5e 350MHz Gray Molded Patch Cable RJ45M/M - 50' (Tripp Lite N002-050-GY).....	28.10	
27 29 00 00-1231	EA			50ft Cat5e / Cat5 350MHz Patch Cable RJ45 M/M Yellow 50' (Tripp Lite N002-050-YW).....	28.10	
27 29 00 00-1232	EA			Cat5e 350MHz Gray Molded Patch Cable RJ45M/M - 75' (Tripp Lite N002-075-GY).....	46.98	
27 29 00 00-1233	EA			100ft Cat5e / Cat5 350MHz Patch Cable RJ45 M/M Black 100' (Tripp Lite N002-100-BK).....	57.00	
27 29 00 00-1234	EA			Cat5e 350MHz Blue Molded Patch Cable RJ45 - 100' (Tripp Lite N002-100-BL).....	57.00	
27 29 00 00-1235	EA			Cat5e 350MHz Gray Molded Patch Cable RJ45M/M - 100' (Tripp Lite N002-100-GY).....	57.00	
27 29 00 00-1236	EA			Cat5e 350MHz Molded Gray Outdoor Rated Patch Cable RJ45M/M - 25' (Tripp Lite N007-025-GY).....	152.56	
27 29 00 00-1237	EA			Cat5e 350MHz Molded Gray Outdoor Rated Patch Cable RJ45M/M - 100' (Tripp Lite N007-100-GY).....	160.58	
27 29 00 00-1238	EA			Cat5e 350MHz Gray Outdoor-Rated Patch Cbl RJ45M/M - 150' (Tripp Lite N007-150-GY).....	220.80	
27 29 00 00-1239	EA			Cat5e 350MHz Molded Gray Outdoor Rated Patch Cable RJ45 - 200' (Tripp Lite N007-200-GY).....	642.34	
27 29 00 00-1240	EA			Cat5e Retractable Patch Cable RJ45M/M - 4' (Tripp Lite N009-004-R).....	28.10	
27 29 00 00-1241	EA			Cat5e 350MHz Gray Cross-over Molded Cable RJ45M/M - 7' (Tripp Lite N010-007-GY).....	7.42	
27 29 00 00-1242	EA			Cat5e 350MHz Gray Cross-over Molded Cable RJ45M/M - 10' (Tripp Lite N010-010-GY).....	8.63	
27 29 00 00-1243	EA			10ft Cat5e 350MHz Molded Cross-over Cable (RJ45 M/M) Yellow (Tripp Lite N010-010-YW).....	8.63	
27 29 00 00-1244	EA			25ft Cat5e 350MHz Molded Cross-over Cable (RJ45 M/M) Yellow (Tripp Lite N010-025-YW).....	16.05	
27 29 00 00-1245	EA			Cat5e 350MHz Gray Cable - 25' (Tripp Lite N017-025-GY).....	68.25	
27 29 00 00-1246	EA			Cat5e 350MHz Bulk Stranded Polyvinyl Chloride (PVC) Cable - 1000' (Tripp Lite N020-01K-GY).....	682.49	
27 29 00 00-1247	EA			Cat5e 350MHz Bulk Solid Polyvinyl Chloride (PVC) Cable - 1000' (Tripp Lite N022-01K-GY).....	461.68	
27 29 00 00-1248	EA			Cat5e 350MHz Bulk Solid Plenum Cable - 1000' (Tripp Lite N024-01K).....	1,284.68	
27 29 00 00-1249	EA			Cat5e Outdoor Rated Polyvinyl Chloride (PVC) Bulk Cable - 1000' (Tripp Lite N028-01K-GY).....	1,264.61	
27 29 00 00-1250	EA			Cat5e RJ45 Modular Connector, Solid - 10 Pack (Tripp Lite N030-010).....	15.25	
27 29 00 00-1251	EA			100PK RJ45 Plugs Round Solid Stranded Conductor 4-pair Cat5e Cbl (Tripp Lite N030-100).....	88.32	
27 29 00 00-1252	EA			100PK RJ45 Plugs for Flat Solid / Stranded Conductor Cable (Tripp Lite N030-100-FL).....	88.32	
27 29 00 00-1253	EA			Cat5e RJ45 Modular Connector, Stranded - 50 Pack (Tripp Lite N031-050).....	38.14	
27 29 00 00-1254	EA			Cat5e Modular Coupler Straight RJ45F/F (Tripp Lite N032-001).....	15.25	
27 29 00 00-1255	EA			Modular Coupler Straight RJ45F/F (Tripp Lite N033-001).....	4.61	
27 29 00 00-1256	EA			4-Port Keystone Faceplate for Cat6 Cat5e Keystone Jacks TAA GSA (Tripp Lite N042-001-04-WH).....	5.02	
27 29 00 00-1257	EA			White Keystone Faceplate; 2 Outlets (Tripp Lite N042-001-WH).....	4.02	
27 29 00 00-1258	EA			Network Cable Tester (Cat5e/Cat6/coax,Phone) RJ45(F)/RJ11(F) (Tripp Lite N044-000-R).....	128.47	
27 29 00 00-1259	EA			Punch-Down Cable Installation Tool (Tripp Lite N046-000).....	80.29	
27 29 00 00-1260	EA			Cat5e Wall Mount Patch Panel 568B - 12 Port (Tripp Lite N050-012).....	100.37	
27 29 00 00-1261	EA			Cat5e Patch Panel 568B - 12 Port (Tripp Lite N052-012).....	112.41	
27 29 00 00-1262	EA			Cat5e Patch Panel 568B - 24 Port (Tripp Lite N052-024).....	148.54	
27 29 00 00-1263	EA			Cat5e Patch Panel 568B - 48 Port (Tripp Lite N052-048).....	281.02	
27 29 00 00-1264	EA			Cat5e Feedthrough Patch Panel, 1U - 24 Port (Tripp Lite N054-024).....	702.56	
27 29 00 00-1265	EA			Hinged Wall Mount Patch Panel Bracket - 2U (Tripp Lite N060-002).....	120.44	
27 29 00 00-1266	EA			Hinged Wall Mount Patch Panel Bracket - 4U (Tripp Lite N060-004).....	152.56	
27 29 00 00-1267	EA			Cat5e (350MHz) Gray Molded Shielded Patch Cable, RJ45M/M - 7' (Tripp Lite N105-007-GY).....	15.25	
27 29 00 00-1268	EA			Cat5e (350MHz) Gray Molded Shielded Patch Cable, RJ45M/M - 10' (Tripp Lite N105-010-GY).....	18.06	
27 29 00 00-1269	EA			Cat5e (350MHz) Gray Molded Shielded Patch Cable, RJ45M/M - 25' (Tripp Lite N105-025-GY).....	33.33	
27 29 00 00-1270	EA			Cat5e (350MHz) Gray Molded Shielded Patch Cable, RJ45M/M - 50' (Tripp Lite N105-050-GY).....	54.60	
27 29 00 00-1271	EA			Cat5e 350MHz Molded Gray Shielded Patch Cable RJ45M/M - 100' (Tripp Lite N105-100-GY).....	100.37	
27 29 00 00-1272	EA			Cat6 Gigabit Molded Gray Shielded Patch Cable RJ45M/M - 7' (Tripp Lite N125-007-GY).....	20.68	
27 29 00 00-1273	EA			Cat6 Gigabit Molded Gray Shielded Patch Cable RJ45M/M - 10' (Tripp Lite N125-010-GY).....	26.09	
27 29 00 00-1274	EA			Cat6 Gigabit Molded Gray Shielded Patch Cable RJ45M/M - 25' (Tripp Lite N125-025-GY).....	54.20	
27 29 00 00-1275	EA			Cat6 Gigabit Molded Gray Shielded Patch Cable RJ45M/M - 50' (Tripp Lite N125-050-GY).....	88.32	
27 29 00 00-1276	EA			Cat3 25-Pair Telco Cable, RJ21 M to Open End - 50ft (Tripp Lite N154-050-C3).....	172.63	
27 29 00 00-1277	EA			Cat6 Gigabit Black Snagless Patch Cable RJ45 - 1' (Tripp Lite N201-001-BK).....	7.23	
27 29 00 00-1278	EA			Cat6 Gigabit Blue Snagless Patch Cable RJ45 - 1' (Tripp Lite N201-001-BL).....	7.23	
27 29 00 00-1279	EA			Cat6 Gigabit Gray Snagless Patch Cable RJ45 - 1' (Tripp Lite N201-001-GY).....	7.23	
27 29 00 00-1280	EA			Cat6 Gigabit Red Snagless Patch Cable RJ45M/M - 1' (Tripp Lite N201-001-RD).....	7.23	
27 29 00 00-1281	EA			Cat6 Gigabit White Snagless Patch Cable RJ45M/M - 1' (Tripp Lite N201-001-WH).....	7.23	
27 29 00 00-1282	EA			1ft Cat6 Gig Snagless Molded Patch Cable RJ45 M/M Yellow 1' (Tripp Lite N201-001-YW).....	7.23	
27 29 00 00-1283	EA			Cat6 Gigabit Black Snagless Patch Cable RJ45 - 2' (Tripp Lite N201-002-BK).....	8.03	
27 29 00 00-1284	EA			Cat6 Gigabit Blue Snagless Patch Cable - 2' (Tripp Lite N201-002-BL).....	8.03	
27 29 00 00-1285	EA			Cat6 Gigabit Gray Snagless Patch Cable RJ45 - 2' (Tripp Lite N201-002-GY).....	8.03	
27 29 00 00-1286	EA			Cat6 Gigabit Red Snagless Patch Cable RJ45M/M - 2' (Tripp Lite N201-002-RD).....	8.03	
27 29 00 00-1287	EA			Cat6 Gigabit White Snagless Patch Cable RJ45M/M - 2' (Tripp Lite N201-002-WH).....	8.03	
27 29 00 00-1288	EA			2ft Cat6 Gig Snagless Molded Patch Cable RJ45 M/M Yellow 2' (Tripp Lite N201-002-YW).....	8.03	
27 29 00 00-1289	EA			Cat6 Gigabit Black Snagless Patch Cable RJ45 - 3' (Tripp Lite N201-003-BK).....	9.04	
27 29 00 00-1290	EA			Cat6 (550MHz) Blue Molded Snagless Patch Cable, RJ45M/M - 3' (Tripp Lite N201-003-BL).....	9.04	
27 29 00 00-1291	EA			Cat6 Gigabit Green Snagless Patch Cable RJ45 - 3' (Tripp Lite N201-003-GN).....	9.04	
27 29 00 00-1292	EA			Cat6 Gigabit Gray Snagless Patch Cable RJ45 - 3' (Tripp Lite N201-003-GY).....	9.04	
27 29 00 00-1293	EA			Cat6 Gigabit Orange Snagless Patch Cable RJ45 - 3' (Tripp Lite N201-003-OR).....	9.04	
27 29 00 00-1294	EA			3ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Purple 3' (Tripp Lite N201-003-PU).....	9.04	
27 29 00 00-1295	EA			Cat6 Gigabit Red Snagless Patch Cable RJ45M/M - 3' (Tripp Lite N201-003-RD).....	9.04	
27 29 00 00-1296	EA			Cat6 Gigabit White Snagless Patch Cable RJ45M/M - 3' (Tripp Lite N201-003-WH).....	9.04	
27 29 00 00-1297	EA			Cat6 Gigabit Yellow Snagless Patch Cable RJ45 - 3' (Tripp Lite N201-003-YW).....	9.04	
27 29 00 00-1298	EA			4ft Cat6 Gigabit Snagless Molded Patch Cable Blue 4' (Tripp Lite N201-004-BL).....	9.63	
27 29 00 00-1299	EA			4ft Cat6 Gig Snagless Molded Patch Cable RJ45 M/M Yellow 4' (Tripp Lite N201-004-YW).....	9.63	

## 27 Communications

## 27 20 Data Communications

## 27 29 Data Communications Network Systems

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1300	EA		Cat6 Gigabit Black Snagless Patch Cable RJ45 - 5' (Tripp Lite N201-005-BK) .....	11.23	
27 29 00 00-1301	EA		Cat6 Gigabit Blue Snagless Patch Cable RJ45 - 5' (Tripp Lite N201-005-BL) .....	11.23	
27 29 00 00-1302	EA		Cat6 Gigabit Green Snagless Patch Cable RJ45 - 5' (Tripp Lite N201-005-GN) .....	11.23	
27 29 00 00-1303	EA		Cat6 Gigabit Gray Snagless Patch Cable RJ45 - 5' (Tripp Lite N201-005-GY) .....	11.23	
27 29 00 00-1304	EA		Cat6 Gigabit Orange Snagless Patch Cable RJ45 - 5' (Tripp Lite N201-005-OR) .....	11.23	
27 29 00 00-1305	EA		Cat6 Gigabit Red Snagless Patch Cable RJ45M/M - 5' (Tripp Lite N201-005-RD) .....	11.23	
27 29 00 00-1306	EA		Cat6 Gigabit White Snagless Patch Cable RJ45M/M - 5' (Tripp Lite N201-005-WH) .....	11.23	
27 29 00 00-1307	EA		Cat6 Gigabit Yellow Snagless Patch Cable RJ45 - 5' (Tripp Lite N201-005-YW) .....	11.23	
27 29 00 00-1308	EA		6ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Black 6' (Tripp Lite N201-006-BK) .....	12.05	
27 29 00 00-1309	EA		6ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue 6' (Tripp Lite N201-006-BL) .....	12.05	
27 29 00 00-1310	EA		6ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Green 6' (Tripp Lite N201-006-GN) .....	12.05	
27 29 00 00-1311	EA		6ft Cat6 Gigabit Snagless Molded Patch Cable Gray (Tripp Lite N201-006-GY) .....	12.05	
27 29 00 00-1312	EA		6ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Red 6' (Tripp Lite N201-006-RD) .....	12.05	
27 29 00 00-1313	EA		6ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Yellow 6' (Tripp Lite N201-006-YW) .....	12.05	
27 29 00 00-1314	EA		Cat6 Gigabit Black Snagless Patch Cable RJ45 - 7' (Tripp Lite N201-007-BK) .....	12.65	
27 29 00 00-1315	EA		Cat6 (550MHz) Blue Molded Snagless Patch Cable, RJ45M/M - 7' (Tripp Lite N201-007-BL) .....	12.65	
27 29 00 00-1316	EA		Cat6 Gigabit Green Snagless Patch Cable RJ45 - 7' (Tripp Lite N201-007-GN) .....	12.65	
27 29 00 00-1317	EA		Cat6 Gigabit Gray Snagless Patch Cable RJ45 - 7' (Tripp Lite N201-007-GY) .....	12.65	
27 29 00 00-1318	EA		Cat6 Gigabit Orange Snagless Patch Cable RJ45 - 7' (Tripp Lite N201-007-OR) .....	12.65	
27 29 00 00-1319	EA		7ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Purple 7' (Tripp Lite N201-007-PU) .....	12.65	
27 29 00 00-1320	EA		Cat6 Gigabit Red Snagless Patch Cable RJ45M/M - 7' (Tripp Lite N201-007-RD) .....	12.65	
27 29 00 00-1321	EA		Cat6 Gigabit White Snagless Patch Cable RJ45M/M - 7' (Tripp Lite N201-007-WH) .....	12.65	
27 29 00 00-1322	EA		Cat6 Gigabit Yellow Snagless Patch Cable RJ45 - 7' (Tripp Lite N201-007-YW) .....	12.65	
27 29 00 00-1323	EA		Cat6 Gigabit Black Snagless Patch Cable RJ45 - 10' (Tripp Lite N201-010-BK) .....	15.86	
27 29 00 00-1324	EA		Cat6 (550MHz) Blue Molded Snagless Patch Cable, RJ45M/M - 10' (Tripp Lite N201-010-BL) .....	15.86	
27 29 00 00-1325	EA		Cat6 Gigabit Green Snagless Patch Cable RJ45 - 10' (Tripp Lite N201-010-GN) .....	15.86	
27 29 00 00-1326	EA		Cat6 Gigabit Gray Snagless Patch Cable RJ45 - 10' (Tripp Lite N201-010-GY) .....	15.86	
27 29 00 00-1327	EA		Cat6 Gigabit Orange Snagless Patch Cable RJ45 - 10' (Tripp Lite N201-010-OR) .....	15.86	
27 29 00 00-1328	EA		10ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Prple 10' (Tripp Lite N201-010-PU) .....	15.86	
27 29 00 00-1329	EA		Cat6 Gigabit Red Snagless Patch Cable RJ45M/M - 10' (Tripp Lite N201-010-RD) .....	15.86	
27 29 00 00-1330	EA		Cat6 Gigabit White Snagless Patch Cable RJ45M/M - 10' (Tripp Lite N201-010-WH) .....	15.86	
27 29 00 00-1331	EA		Cat6 Gigabit Yellow Snagless Patch Cable RJ45 - 10' (Tripp Lite N201-010-YW) .....	15.86	
27 29 00 00-1332	EA		12ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue 12' (Tripp Lite N201-012-BL) .....	17.26	
27 29 00 00-1333	EA		12ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Green 12' (Tripp Lite N201-012-GN) .....	17.26	
27 29 00 00-1334	EA		Cat6 Gigabit Black Snagless Patch Cable RJ45 - 14' (Tripp Lite N201-014-BK) .....	20.07	
27 29 00 00-1335	EA		Cat6 Gigabit Blue Snagless Patch Cable RJ45 - 14' (Tripp Lite N201-014-BL) .....	20.07	
27 29 00 00-1336	EA		Cat6 Gigabit Green Snagless Patch Cable RJ45M/M - 14' (Tripp Lite N201-014-GN) .....	20.07	
27 29 00 00-1337	EA		Cat6 Gigabit Gray Snagless Patch Cable RJ45 - 14' (Tripp Lite N201-014-GY) .....	20.07	
27 29 00 00-1338	EA		Cat6 Gigabit Orange Snagless Patch Cable RJ45 - 14' (Tripp Lite N201-014-OR) .....	20.07	
27 29 00 00-1339	EA		14ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Prple 14' (Tripp Lite N201-014-PU) .....	20.07	
27 29 00 00-1340	EA		Cat6 Gigabit Red Snagless Patch Cable RJ45M/M - 14' (Tripp Lite N201-014-RD) .....	20.07	
27 29 00 00-1341	EA		Cat6 Gigabit White Snagless Patch Cable RJ45M/M - 14' (Tripp Lite N201-014-WH) .....	20.07	
27 29 00 00-1342	EA		Cat6 Gigabit Yellow Snagless Patch Cable RJ45 - 14' (Tripp Lite N201-014-YW) .....	20.07	
27 29 00 00-1343	EA		15ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Black 15' (Tripp Lite N201-015-BK) .....	20.07	
27 29 00 00-1344	EA		15ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue 15' (Tripp Lite N201-015-BL) .....	20.07	
27 29 00 00-1345	EA		15ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Green 15' (Tripp Lite N201-015-GN) .....	20.07	
27 29 00 00-1346	EA		15FT Cat6 Gigabit Snagless Molded Patch Cable (RJ45 M/M) Gray (Tripp Lite N201-015-GY) .....	20.07	
27 29 00 00-1347	EA		15ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Red 15' (Tripp Lite N201-015-RD) .....	20.07	
27 29 00 00-1348	EA		15ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M White 15' (Tripp Lite N201-015-WH) .....	20.07	
27 29 00 00-1349	EA		15ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M YLW 15' (Tripp Lite N201-015-YW) .....	20.07	
27 29 00 00-1350	EA		Cat6 Gigabit Black Snagless Patch Cable RJ45M/M - 20' (Tripp Lite N201-020-BK) .....	24.09	
27 29 00 00-1351	EA		Cat6 Gigabit Blue Snagless Patch Cable RJ45M/M - 20' (Tripp Lite N201-020-BL) .....	24.09	
27 29 00 00-1352	EA		Cat6 Gigabit Green Snagless Patch Cable RJ45M/M - 20' (Tripp Lite N201-020-GN) .....	24.09	
27 29 00 00-1353	EA		Cat6 Gigabit Gray Snagless Patch Cable RJ45M/M - 20' (Tripp Lite N201-020-GY) .....	24.09	
27 29 00 00-1354	EA		Cat6 Gigabit Orange Snagless Patch Cable RJ45M/M - 20' (Tripp Lite N201-020-OR) .....	24.09	
27 29 00 00-1355	EA		Cat6 Gigabit Red Snagless Patch Cable RJ45M/M - 20' (Tripp Lite N201-020-RD) .....	24.09	
27 29 00 00-1356	EA		Cat6 Gigabit White Snagless Patch Cable RJ45M/M - 20' (Tripp Lite N201-020-WH) .....	24.09	
27 29 00 00-1357	EA		Cat6 Gigabit Yellow Snagless Patch Cable RJ45M/M - 20' (Tripp Lite N201-020-YW) .....	24.09	
27 29 00 00-1358	EA		Cat6 Gigabit Black Snagless Patch Cable RJ45 - 25' (Tripp Lite N201-025-BK) .....	28.10	
27 29 00 00-1359	EA		Cat6 (550MHz) Blue Molded Snagless Patch Cable, RJ45M/M - 25' (Tripp Lite N201-025-BL) .....	28.10	
27 29 00 00-1360	EA		Cat6 Gigabit Blue Flat Snagless Patch Cable, RJ45 M/M. 25ft (Tripp Lite N201-025-BL-FL) .....	38.14	
27 29 00 00-1361	EA		Cat6 Gigabit Green Snagless Patch Cable RJ45 - 25' (Tripp Lite N201-025-GN) .....	28.10	
27 29 00 00-1362	EA		Cat6 Gigabit Gray Snagless Patch Cable RJ45 - 25' (Tripp Lite N201-025-GY) .....	28.10	
27 29 00 00-1363	EA		Cat6 Gigabit Orange Snagless Patch Cable RJ45 - 25' (Tripp Lite N201-025-OR) .....	28.10	
27 29 00 00-1364	EA		25ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Prple 25' (Tripp Lite N201-025-PU) .....	28.10	
27 29 00 00-1365	EA		Cat6 Gigabit Red Snagless Patch Cable RJ45M/M - 25' (Tripp Lite N201-025-RD) .....	28.10	
27 29 00 00-1366	EA		Cat6 Gigabit White Snagless Patch Cable RJ45M/M - 25' (Tripp Lite N201-025-WH) .....	28.10	
27 29 00 00-1367	EA		Cat6 Gigabit Yellow Snagless Patch Cable RJ45 - 25' (Tripp Lite N201-025-YW) .....	28.10	
27 29 00 00-1368	EA		30ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Black 30' (Tripp Lite N201-030-BK) .....	32.32	
27 29 00 00-1369	EA		30ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue 30' (Tripp Lite N201-030-BL) .....	32.32	
27 29 00 00-1370	EA		30ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Gray 30' (Tripp Lite N201-030-GY) .....	32.32	
27 29 00 00-1371	EA		35ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue 35' (Tripp Lite N201-035-BL) .....	37.34	
27 29 00 00-1372	EA		50ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Black 50' (Tripp Lite N201-050-BK) .....	52.19	
27 29 00 00-1373	EA		50ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue 50' (Tripp Lite N201-050-BL) .....	52.19	
27 29 00 00-1374	EA		50ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Green 50' (Tripp Lite N201-050-GN) .....	52.19	
27 29 00 00-1375	EA		Cat6 Gigabit Gray Snagless Patch Cable RJ45 - 50' (Tripp Lite N201-050-GY) .....	52.19	
27 29 00 00-1376	EA		50-ft Cat6 Gray Gigabit Plenum Snagless Patch Cable (Tripp Lite N201-050-GY-P) .....	180.66	
27 29 00 00-1377	EA		Cat6 Gigabit Red Snagless Patch Cable RJ45M/M - 50' (Tripp Lite N201-050-RD) .....	52.19	
27 29 00 00-1378	EA		50ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M White 50' (Tripp Lite N201-050-WH) .....	52.19	
27 29 00 00-1379	EA		50ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M YLW 50' (Tripp Lite N201-050-YW) .....	52.19	
27 29 00 00-1380	EA		75ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M Gray 75' (Tripp Lite N201-075-GY) .....	76.27	
27 29 00 00-1381	EA		100ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M BLK 100' (Tripp Lite N201-100-BK) .....	104.37	
27 29 00 00-1382	EA		100ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M BLU 100' (Tripp Lite N201-100-BL) .....	104.37	
27 29 00 00-1383	EA		100-ft Cat6 Gray Gigabit Plenum Snagless Patch Cable (Tripp Lite N201-100-GY-P) .....	361.32	
27 29 00 00-1384	EA		125ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M PRP 125' (Tripp Lite N201-125-PU) .....	124.46	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1385	EA		150ft Cat6 Gigabit Snagless Molded Patch Cable RJ45 M/M PRP 150' (Tripp Lite N201-150-PU).....	152.56	
27 29 00 00-1386	EA		25ft Cat6 Gigabit Solid Conductor Patch Cable (RJ45 M/M ) Blue (Tripp Lite N202-025-BL).....	35.33	
27 29 00 00-1387	EA		50ft Cat6 Gigabit Solid Conductor Patch Cable (RJ45 M/M ) Blue (Tripp Lite N202-050-BL).....	56.20	
27 29 00 00-1388	EA		75ft Cat6 Gigabit Solid Conductor Patch Cable (RJ45 M/M ) Blue (Tripp Lite N202-075-BL).....	76.27	
27 29 00 00-1389	EA		100ft Cat6 Gigabit Solid Conductor Patch Cable (RJ45 M/M ) Blue (Tripp Lite N202-100-BL).....	108.39	
27 29 00 00-1390	EA		125ft Cat6 Blue Solid Conductor 4pr Snagless Patch Cable 125' (Tripp Lite N202-125-BL).....	128.47	
27 29 00 00-1391	EA		150ft Cat6 Gigabit Solid Conductor Patch Cable (RJ45 M/M ) Blue (Tripp Lite N202-150-BL).....	156.58	
27 29 00 00-1392	EA		175ft Cat6 Gig Solid Conductor Patch Cable RJ45 M/M Blue 175' (Tripp Lite N202-175-BL).....	176.64	
27 29 00 00-1393	EA		200ft Cat6 Gigabit Solid Conductor Patch Cable (RJ45 M/M ) Blue (Tripp Lite N202-200-BL).....	208.76	
27 29 00 00-1394	EA		3ft Cat6 Gigabit Right Angle Dwn to Straight Patch Cable Blue 3' (Tripp Lite N204-003-BL-DN).....	14.06	
27 29 00 00-1395	EA		3ft Cat6 Gigabit Left Angle to Straight Patch Cable Blue 3' (Tripp Lite N204-003-BL-LA).....	14.06	
27 29 00 00-1396	EA		3ft Cat6 Gigabit Right Angle to Straight Patch Cable Blue 3' (Tripp Lite N204-003-BL-RA).....	14.06	
27 29 00 00-1397	EA		3ft Cat6 Gigabit Up Angle to Straight Patch Cable Blue 3' (Tripp Lite N204-003-BL-UP).....	14.06	
27 29 00 00-1398	EA		5ft Cat6 Gigabit Right Angle Dwn to Straight Patch Cable Blue 5' (Tripp Lite N204-005-BL-DN).....	18.06	
27 29 00 00-1399	EA		5ft Cat6 Gigabit Left Angle to Straight Patch Cable Blue 5' (Tripp Lite N204-005-BL-LA).....	18.06	
27 29 00 00-1400	EA		5ft Cat6 Gigabit Right Angle to Straight Patch Cable Blue 5' (Tripp Lite N204-005-BL-RA).....	18.06	
27 29 00 00-1401	EA		5ft Cat6 Gigabit Up Angle to Straight Patch Cable Blue 5' (Tripp Lite N204-005-BL-UP).....	18.06	
27 29 00 00-1402	EA		10ft Cat6 Gig Right Angle Down to Straight Patch Cable Blue 10' (Tripp Lite N204-010-BL-DN).....	22.08	
27 29 00 00-1403	EA		10ft Cat6 Gigabit Left Angle to Straight Patch Cable Blue 10' (Tripp Lite N204-010-BL-LA).....	22.08	
27 29 00 00-1404	EA		10ft Cat6 Gigabit Right Angle to Straight Patch Cable Blue 10' (Tripp Lite N204-010-BL-RA).....	22.08	
27 29 00 00-1405	EA		10ft Cat6 Gigabit Up Angle to Straight Patch Cable Blue 10' (Tripp Lite N204-010-BL-UP).....	22.08	
27 29 00 00-1406	EA		Cat6 Gigabit Gray Cross-over Patch Cable RJ45M/M - 7' (Tripp Lite N210-007-GY).....	12.65	
27 29 00 00-1407	EA		Cat6 Gigabit Gray Cross-over Patch Cable RJ45M/M - 10' (Tripp Lite N210-010-GY).....	15.86	
27 29 00 00-1408	EA		Cat6 Gigabit Bulk Solid Blue Polyvinyl Chloride (PVC) Cable - 1000' (Tripp Lite N222-01K-BL).....	742.70	
27 29 00 00-1409	EA		Cat6 Gigabit Bulk Solid Gray Polyvinyl Chloride (PVC) Cable - 1000' (Tripp Lite N222-01K-GY).....	742.70	
27 29 00 00-1410	EA		Cat6 Gigabit Bulk Solid Plenum Cable - 1000' (Tripp Lite N224-01K-GY).....	1,826.65	
27 29 00 00-1411	EA		100PK Cat6 RJ45 Modular Connector Plug Solid / Stranded RND (Tripp Lite N230-100).....	160.58	
27 29 00 00-1412	EA		Cat6 Straight-thru Snap-in Black Coupler - RJ45F/F (Tripp Lite N235-001).....	48.17	
27 29 00 00-1413	EA		Cat6 Straight Modular In-Line Snap-In Coupler RJ45 F/F TAA GSA (Tripp Lite N235-001-SH).....	56.20	
27 29 00 00-1414	EA		Cat6/5e Blue Wallplate Keystone Jack, Punch-Down/RJ45 F (Tripp Lite N238-001-BL).....	10.23	
27 29 00 00-1415	EA		Cat6/5e Green Wallplate Keystone Jack, Punch-Down/RJ45 F (Tripp Lite N238-001-GN).....	10.23	
27 29 00 00-1416	EA		Cat6/5e Red Wallplate Keystone Jack, Punch-Down/RJ45 F (Tripp Lite N238-001-RD).....	10.23	
27 29 00 00-1417	EA		Cat6/5e White Wallplate Keystone Jack, Punch-Down/RJ45 F (Tripp Lite N238-001-WH).....	10.23	
27 29 00 00-1418	EA		Cat6/Cat5e 110 Style Punch Down Keystone Jack White TAA / GSA (Tripp Lite N238-001-WH-TF).....	14.06	
27 29 00 00-1419	EA		Cat6/5e Yellow Wallplate Keystone Jack, Punch-Down/RJ45 F (Tripp Lite N238-001-YW).....	10.23	
27 29 00 00-1420	EA		Cat6 Wall Mount Feedthrough Patch Panel -12 Port (Tripp Lite N250-012).....	144.53	
27 29 00 00-1421	EA		24-Port Cat6 / Cat5e Low Profile Wallmount Patch Panel 1U TAA (Tripp Lite N250-024-LP).....	883.22	
27 29 00 00-1422	EA		Cat6 Patch Panel 568B - 12 Port (Tripp Lite N252-012).....	140.51	
27 29 00 00-1423	EA		Cat6 Patch Panel 568B - 24 Port (Tripp Lite N252-024).....	252.92	
27 29 00 00-1424	EA		24-Port Cat6 0.5U RM Patch Panel 568A/B TAA / GSA (Tripp Lite N252-024-HU).....	461.68	
27 29 00 00-1425	EA		24-Port Cat6 Keystone Type V-Shaped Patch Panel TAA / GSA (Tripp Lite N252-024-V).....	883.22	
27 29 00 00-1426	EA		Cat6 Patch Panel 568B - 48 Port (Tripp Lite N252-048).....	481.75	
27 29 00 00-1427	EA		Cat6 1U Patch Panel 568B - 110 Punchdown to RJ45 Female - 48 Port (Tripp Lite N252-048-1U).....	883.22	
27 29 00 00-1428	EA		Cat6 Feedthrough Patch Panel, 1U - 24 Port (Tripp Lite N254-024).....	843.07	
27 29 00 00-1429	EA		24-Port Shielded Cat6 Feed Through Patch Panel TAA GSA (Tripp Lite N254-024-SH).....	1,063.87	
27 29 00 00-1430	EA		Augmented Cat6 (Cat6a) Snagless 10G Aqua Certified Patch Cable RJ45 - 7ft (Tripp Lite N261-007-AQ).....	28.10	
27 29 00 00-1431	EA		Augmented Cat6 (Cat6a) Snagless 10G Aqua Certified Patch Cable RJ45 - 14ft (Tripp Lite N261-014-AQ).....	52.19	
27 29 00 00-1432	EA		Augmented Cat6 (Cat6a) Snagless 10G Aqua Certified Patch Cable RJ45 - 25ft (Tripp Lite N261-025-AQ).....	80.29	
27 29 00 00-1433	EA		10Gbps CX4 Cable - 1M(3') (Tripp Lite N263-01M).....	361.32	
27 29 00 00-1434	EA		10Gb CX4 Cable, 2M (Tripp Lite N263-02M).....	401.46	
27 29 00 00-1435	EA		10Gbps CX4 Cable - 3M (10') (Tripp Lite N263-03M).....	441.61	
27 29 00 00-1436	EA		10Gb CX4 Cable, 5M (Tripp Lite N263-05M).....	582.12	
27 29 00 00-1437	EA		10Gbps CX4 Cable - 20" (Tripp Lite N263-20I).....	345.26	
27 29 00 00-1438	EA		T1 RJ48 Patch Cable - Straight - RJ45 M/M - 3ft (Tripp Lite N265-003).....	52.19	
27 29 00 00-1439	EA		T1 RJ48 Patch Cable - Straight - RJ45 M/M - 5ft (Tripp Lite N265-005).....	60.22	
27 29 00 00-1440	EA		T1 RJ48 Patch Cable - Straight - RJ45 M/M - 7ft (Tripp Lite N265-007).....	68.25	
27 29 00 00-1441	EA		T1 RJ48 Patch Cable - Straight - RJ45 M/M - 10ft (Tripp Lite N265-010).....	80.29	
27 29 00 00-1442	EA		T1 RJ48 Patch Cable - Crossover - RJ45 M/M - 3ft (Tripp Lite N266-003).....	52.19	
27 29 00 00-1443	EA		T1 RJ48 Patch Cable - Crossover - RJ45 M/M - 5ft (Tripp Lite N266-005).....	60.22	
27 29 00 00-1444	EA		T1 RJ48 Patch Cable - Crossover - RJ45 M/M - 7ft (Tripp Lite N266-007).....	68.25	
27 29 00 00-1445	EA		T1 RJ48 Patch Cable - Crossover - RJ45 M/M - 10ft (Tripp Lite N266-010).....	80.29	
27 29 00 00-1446	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable ST/ST - 1M (3') (Tripp Lite N302-003).....	24.45	
27 29 00 00-1447	EA		Duplex Multimode 62.5/125 Fiber Patch Cable ST/ST - 6' (Tripp Lite N302-006).....	26.78	
27 29 00 00-1448	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable ST/ST - 3M (10') (Tripp Lite N302-010).....	27.94	
27 29 00 00-1449	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable ST/ST - 5M (16') (Tripp Lite N302-05M).....	34.93	
27 29 00 00-1450	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl ST/ST - 6M (20ft) (Tripp Lite N302-06M).....	32.60	
27 29 00 00-1451	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl ST/ST - 8M (25ft) (Tripp Lite N302-08M).....	41.91	
27 29 00 00-1452	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable ST/ST - 10M (33') (Tripp Lite N302-10M).....	46.57	
27 29 00 00-1453	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable ST/ST - 15M (50') (Tripp Lite N302-15M).....	55.88	
27 29 00 00-1454	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl ST/ST - 18M (60ft) (Tripp Lite N302-18M).....	58.21	
27 29 00 00-1455	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl ST/ST - 23M (75ft) (Tripp Lite N302-23M).....	69.85	
27 29 00 00-1456	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl ST/ST - 30M (100ft) (Tripp Lite N302-30M).....	93.14	
27 29 00 00-1457	EA		50M Duplex Multimode Fiber 62.5/125 Patch Cable ST/ST 164ft (Tripp Lite N302-50M).....	149.02	
27 29 00 00-1458	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 1M (3') (Tripp Lite N304-003).....	23.28	
27 29 00 00-1459	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 1.2M (4') (Tripp Lite N304-004).....	22.12	
27 29 00 00-1460	EA		Duplex Multimode 62.5/125 Fiber Patch Cable SC/ST - 6' (Tripp Lite N304-006).....	25.61	
27 29 00 00-1461	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 2.4M (8ft) (Tripp Lite N304-008).....	25.61	
27 29 00 00-1462	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 3M (10') (Tripp Lite N304-010).....	27.94	
27 29 00 00-1463	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 7.5M (25') (Tripp Lite N304-025).....	34.93	
27 29 00 00-1464	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 5M (16') (Tripp Lite N304-05M).....	30.27	
27 29 00 00-1465	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 6M (20') (Tripp Lite N304-06M).....	32.60	
27 29 00 00-1466	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 9M (30ft) (Tripp Lite N304-09M).....	37.26	
27 29 00 00-1467	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 10M (30ft - 33ft) (Tripp Lite N304-10M).....	39.58	
27 29 00 00-1468	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 11M (35ft) (Tripp Lite N304-11M).....	39.58	
27 29 00 00-1469	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 15M (50ft) (Tripp Lite N304-15M).....	51.23	

## 27 Communications

## 27 20 Data Communications

## 27 29 Data Communications Network Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1470	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 23M (75ft) (Tripp Lite N304-23M).....	58.21	
27 29 00 00-1471	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 30M (100ft) (Tripp Lite N304-30M).....	67.53	
27 29 00 00-1472	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 0.3M (1') (Tripp Lite N306-001).....	23.28	
27 29 00 00-1473	EA		0.6m Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC (Tripp Lite N306-002).....	24.45	
27 29 00 00-1474	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 1M (3') (Tripp Lite N306-003).....	23.28	
27 29 00 00-1475	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 1.2M (4') (Tripp Lite N306-004).....	29.11	
27 29 00 00-1476	EA		Duplex Multimode 62.5/125 Fiber Patch Cable SC/SC - 6' (Tripp Lite N306-006).....	25.61	
27 29 00 00-1477	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 3M (10') (Tripp Lite N306-010).....	27.94	
27 29 00 00-1478	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 4M (13ft) (Tripp Lite N306-04M).....	30.27	
27 29 00 00-1479	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 5M (16') (Tripp Lite N306-05M).....	32.60	
27 29 00 00-1480	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 7M (23') (Tripp Lite N306-07M).....	37.26	
27 29 00 00-1481	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 8M (26') (Tripp Lite N306-08M).....	39.58	
27 29 00 00-1482	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 9M (30') (Tripp Lite N306-09M).....	41.91	
27 29 00 00-1483	EA		100M Duplex Multimode Fiber 62.5/125 Patch Cable SC/SC 328ft (Tripp Lite N306-100M).....	221.21	
27 29 00 00-1484	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 12M (40ft) (Tripp Lite N306-12M).....	48.90	
27 29 00 00-1485	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 15M (50ft) (Tripp Lite N306-15M).....	58.21	
27 29 00 00-1486	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 23M (75ft) (Tripp Lite N306-23M).....	69.85	
27 29 00 00-1487	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 25M (80ft) (Tripp Lite N306-25M).....	76.84	
27 29 00 00-1488	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 30M (100ft) (Tripp Lite N306-30M).....	86.15	
27 29 00 00-1489	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 46M (150ft) (Tripp Lite N306-46M).....	104.78	
27 29 00 00-1490	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 60M (200ft) (Tripp Lite N306-60M).....	146.69	
27 29 00 00-1491	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/ST - 1M (3') (Tripp Lite N308-003).....	23.28	
27 29 00 00-1492	EA		Duplex Multimode 62.5/125 Fiber Patch Cable MTRJ/ST - 6' (Tripp Lite N308-006).....	25.61	
27 29 00 00-1493	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/ST - 3M (10') (Tripp Lite N308-010).....	27.94	
27 29 00 00-1494	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/ST - 5M (16') (Tripp Lite N308-05M).....	30.27	
27 29 00 00-1495	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/ST - 8M (25ft) (Tripp Lite N308-08M).....	34.93	
27 29 00 00-1496	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/ST - 15M (50ft) (Tripp Lite N308-15M).....	46.57	
27 29 00 00-1497	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/SC - 1M (3') (Tripp Lite N310-003).....	27.94	
27 29 00 00-1498	EA		Duplex Multimode 62.5/125 Fiber Patch Cable MTRJ/SC - 6' (Tripp Lite N310-006).....	27.94	
27 29 00 00-1499	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/SC - 3M (10') (Tripp Lite N310-010).....	30.27	
27 29 00 00-1500	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/SC - 5M (16') (Tripp Lite N310-05M).....	32.60	
27 29 00 00-1501	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/SC - 8M (25ft) (Tripp Lite N310-08M).....	34.93	
27 29 00 00-1502	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/SC - 11M (35ft) (Tripp Lite N310-11M).....	39.58	
27 29 00 00-1503	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/ST - 15M (50') (Tripp Lite N310-15M).....	48.90	
27 29 00 00-1504	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/SC - 30M (100ft) (Tripp Lite N310-30M).....	67.53	
27 29 00 00-1505	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/MTRJ - 1M (3') (Tripp Lite N312-01M).....	25.61	
27 29 00 00-1506	EA		Duplex Multimode 62.5/125 Fiber Patch Cable MTRJ/MTRJ - 2M (Tripp Lite N312-02M).....	27.94	
27 29 00 00-1507	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/MTRJ - 3M (10') (Tripp Lite N312-03M).....	30.27	
27 29 00 00-1508	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/MTRJ - 5M (15') (Tripp Lite N312-05M).....	32.60	
27 29 00 00-1509	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/LC - 1M (3') (Tripp Lite N314-01M).....	37.26	
27 29 00 00-1510	EA		Duplex Multimode 62.5/125 Fiber Patch Cable MTRJ/LC - 2M (Tripp Lite N314-02M).....	39.58	
27 29 00 00-1511	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/LC - 3M (10') (Tripp Lite N314-03M).....	41.91	
27 29 00 00-1512	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/LC - 5M (16') (Tripp Lite N314-05M).....	46.57	
27 29 00 00-1513	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/LC - 9M (30ft) (Tripp Lite N314-09M).....	48.90	
27 29 00 00-1514	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/LC - 15M (50ft) (Tripp Lite N314-15M).....	60.54	
27 29 00 00-1515	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 1M (3') (Tripp Lite N316-01M).....	32.60	
27 29 00 00-1516	EA		Duplex Multimode 62.5/125 Fiber Patch Cable LC/SC - 2M (Tripp Lite N316-02M).....	34.93	
27 29 00 00-1517	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 3M (10') (Tripp Lite N316-03M).....	37.26	
27 29 00 00-1518	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 4M (13') (Tripp Lite N316-04M).....	39.58	
27 29 00 00-1519	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 5M (15') (Tripp Lite N316-05M).....	41.91	
27 29 00 00-1520	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 6M (20') (Tripp Lite N316-06M).....	44.24	
27 29 00 00-1521	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 7M (23') (Tripp Lite N316-07M).....	46.57	
27 29 00 00-1522	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 10M (33') (Tripp Lite N316-10M).....	51.23	
27 29 00 00-1523	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 13M (40') (Tripp Lite N316-13M).....	58.21	
27 29 00 00-1524	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 15M (50') (Tripp Lite N316-15M).....	65.20	
27 29 00 00-1525	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 20M (65') (Tripp Lite N316-20M).....	72.18	
27 29 00 00-1526	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl LC/SC - 21M (70ft) (Tripp Lite N316-21M).....	76.84	
27 29 00 00-1527	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl LC/SC - 25M (80ft) (Tripp Lite N316-25M).....	81.50	
27 29 00 00-1528	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl LC/SC - 30M (100ft) (Tripp Lite N316-30M).....	86.15	
27 29 00 00-1529	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl LC/SC - 76M (250ft) (Tripp Lite N316-76M).....	139.71	
27 29 00 00-1530	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/ST - 1M (3') (Tripp Lite N318-01M).....	34.93	
27 29 00 00-1531	EA		Duplex Multimode 62.5/125 Fiber Patch Cable LC/ST - 2M (Tripp Lite N318-02M).....	38.42	
27 29 00 00-1532	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/ST - 3M (10') (Tripp Lite N318-03M).....	39.58	
27 29 00 00-1533	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/ST - 5M (15') (Tripp Lite N318-05M).....	41.91	
27 29 00 00-1534	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 6M (Tripp Lite N318-06M).....	44.24	
27 29 00 00-1535	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/ST - 7M (23') (Tripp Lite N318-07M).....	46.57	
27 29 00 00-1536	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 8M (25ft) (Tripp Lite N318-08M).....	48.90	
27 29 00 00-1537	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 9M (30ft) (Tripp Lite N318-09M).....	51.23	
27 29 00 00-1538	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/ST - 10M (33') (Tripp Lite N318-10M).....	55.88	
27 29 00 00-1539	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 15M (50ft) (Tripp Lite N318-15M).....	65.20	
27 29 00 00-1540	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 20M (65ft) (Tripp Lite N318-20M).....	72.18	
27 29 00 00-1541	EA		Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 30M (100ft) (Tripp Lite N318-30M).....	83.83	
27 29 00 00-1542	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 1' (Tripp Lite N320-001).....	38.42	
27 29 00 00-1543	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 1M (3') (Tripp Lite N320-01M).....	39.58	
27 29 00 00-1544	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable(RED) LC/LC - 1M (3') (Tripp Lite N320-01M-RD).....	39.58	
27 29 00 00-1545	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 2M (6') (Tripp Lite N320-02M).....	41.91	
27 29 00 00-1546	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable(RED) LC/LC - 2M (6') (Tripp Lite N320-02M-RD).....	41.91	
27 29 00 00-1547	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 3M (10') (Tripp Lite N320-03M).....	44.24	
27 29 00 00-1548	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable(RED) LC/LC - 3M (10') (Tripp Lite N320-03M-RD).....	44.24	
27 29 00 00-1549	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 4M (13') (Tripp Lite N320-04M).....	46.57	
27 29 00 00-1550	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 5M (16') (Tripp Lite N320-05M).....	46.57	
27 29 00 00-1551	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable(RED) LC/LC - 5M (16') (Tripp Lite N320-05M-RD).....	46.57	
27 29 00 00-1552	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 6M (20') (Tripp Lite N320-06M).....	51.23	
27 29 00 00-1553	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 7M (23') (Tripp Lite N320-07M).....	53.56	
27 29 00 00-1554	EA		Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 10M (33') (Tripp Lite N320-10M).....	58.21	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1555	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 10M (33') (Tripp Lite N320-10M-RD).....	55.88	
27 29 00 00-1556	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 15M (16') (Tripp Lite N320-15M).....	67.53	
27 29 00 00-1557	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 15M (50') (Tripp Lite N320-15M-RD).....	62.87	
27 29 00 00-1558	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 20M (65') (Tripp Lite N320-20M).....	79.17	
27 29 00 00-1559	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 20 (65') (Tripp Lite N320-20M-RD).....	74.51	
27 29 00 00-1560	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 21M (70') (Tripp Lite N320-21M).....	72.18	
27 29 00 00-1561	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 25M (80') (Tripp Lite N320-25M).....	88.48	
27 29 00 00-1562	EA			30M Duplex MMF 62.5/125 Patch Cable (LC/LC) 100ft (Tripp Lite N320-30M).....	102.45	
27 29 00 00-1563	EA			405ft Duplex Multimode Fiber 62.5/125 Patch Cable LC/LC 405' (Tripp Lite N320-405).....	349.27	
27 29 00 00-1564	EA			Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 46M (150') (Tripp Lite N320-46M).....	109.44	
27 29 00 00-1565	EA			61M Duplex Multimode Fiber 62.5/125 Patch Cable LC/LC 200ft (Tripp Lite N320-61M).....	330.64	
27 29 00 00-1566	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl ST/ST - 1M (3ft) (Tripp Lite N352-01M).....	39.58	
27 29 00 00-1567	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable ST/ST - 2M (6') (Tripp Lite N352-02M).....	41.91	
27 29 00 00-1568	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl ST/ST - 3M (10ft) (Tripp Lite N352-03M).....	44.24	
27 29 00 00-1569	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl ST/ST - 5M (15ft) (Tripp Lite N352-05M).....	48.90	
27 29 00 00-1570	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl ST/ST - 9M (30ft) (Tripp Lite N352-09M).....	51.23	
27 29 00 00-1571	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl ST/ST - 15M (50ft) (Tripp Lite N352-15M).....	62.87	
27 29 00 00-1572	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/ST - 1M (3') (Tripp Lite N354-01M).....	44.24	
27 29 00 00-1573	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/ST - 2M (6') (Tripp Lite N354-02M).....	46.57	
27 29 00 00-1574	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/ST - 3M (10') (Tripp Lite N354-03M).....	48.90	
27 29 00 00-1575	EA			Duplex Singlemode 8.3/125 Fiber Patch Cable SC/ST - 5M (Tripp Lite N354-05M).....	53.56	
27 29 00 00-1576	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/ST - 9M (30ft) (Tripp Lite N354-09M).....	60.54	
27 29 00 00-1577	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/ST - 15M (50ft) (Tripp Lite N354-15M).....	69.85	
27 29 00 00-1578	EA			Duplex Singlemode 8.3/125 Fiber Patch Cable SC/SC - 1M (Tripp Lite N356-01M).....	48.90	
27 29 00 00-1579	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/SC - 2M (6') (Tripp Lite N356-02M).....	51.23	
27 29 00 00-1580	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/SC - 3M (10') (Tripp Lite N356-03M).....	53.56	
27 29 00 00-1581	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/SC - 5M (15ft) (Tripp Lite N356-05M).....	58.21	
27 29 00 00-1582	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/SC - 6M (20ft) (Tripp Lite N356-06M).....	58.21	
27 29 00 00-1583	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/SC - 9M (30 ft.) (Tripp Lite N356-09M).....	65.20	
27 29 00 00-1584	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/SC - 10M (Tripp Lite N356-10M).....	65.20	
27 29 00 00-1585	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/SC - 15M (50ft) (Tripp Lite N356-15M).....	74.51	
27 29 00 00-1586	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/SC - 30M (100ft) (Tripp Lite N356-30M).....	97.80	
27 29 00 00-1587	EA			Duplex Singlemode 8.3/125 Fiber Patch Cable LC/SC - 1M (Tripp Lite N366-01M).....	46.57	
27 29 00 00-1588	EA			Duplex Singlemode 8.3/125 Angle Polished Fiber Optic Patch Cable - 1m (3ft) (Tripp Lite N366-01M-AP).....	76.84	
27 29 00 00-1589	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/SC - 2M (6') (Tripp Lite N366-02M).....	46.57	
27 29 00 00-1590	EA			Duplex Singlemode Fiber Patch Cable 8.3/125 LC to SC - APC 6ft (Tripp Lite N366-02M-AP).....	80.33	
27 29 00 00-1591	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl LC/SC - 3M (10ft) (Tripp Lite N366-03M).....	48.90	
27 29 00 00-1592	EA			Duplex Singlemode 8.3/125 Angle Polished Fiber Optic Patch Cable - 3m (10ft) (Tripp Lite N366-03M-AP).....	83.83	
27 29 00 00-1593	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/SC - 5M (16') (Tripp Lite N366-05M).....	55.88	
27 29 00 00-1594	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/SC - 10M (33') (Tripp Lite N366-10M).....	62.87	
27 29 00 00-1595	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl LC/SC - 15M (50ft) (Tripp Lite N366-15M).....	69.85	
27 29 00 00-1596	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/SC - 25M (80') (Tripp Lite N366-25M).....	81.50	
27 29 00 00-1597	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 1M (3') (Tripp Lite N368-01M).....	74.51	
27 29 00 00-1598	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 2M (6') (Tripp Lite N368-02M).....	76.84	
27 29 00 00-1599	EA			3M Duplex Singlemode 8.3/125 Patch Cable LC/ST 10ft (Tripp Lite N368-03M).....	79.17	
27 29 00 00-1600	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 5M (15') (Tripp Lite N368-05M).....	81.50	
27 29 00 00-1601	EA			Duplex Singlemode 8.3/125 Fiber Optic Plenum Rated Patch Cable LC/ST - 5m (16ft) (Tripp Lite N368-05M-P).....	139.71	
27 29 00 00-1602	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 7M (23') (Tripp Lite N368-07M).....	83.83	
27 29 00 00-1603	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 10M (33') (Tripp Lite N368-10M).....	88.48	
27 29 00 00-1604	EA			15 Meter Duplex Singlemode Fiber Patch Cable 8.3/125 LC/LC 50ft (Tripp Lite N368-15M).....	97.80	
27 29 00 00-1605	EA			20M Duplex Singlemode 8.3/125 Patch Cable LC/ST 66ft (Tripp Lite N368-20M).....	104.78	
27 29 00 00-1606	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 30M (100') (Tripp Lite N368-30M).....	116.42	
27 29 00 00-1607	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl LC/LC - 1M (3ft) (Tripp Lite N370-01M).....	67.53	
27 29 00 00-1608	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/LC - 2M (6') (Tripp Lite N370-02M).....	69.85	
27 29 00 00-1609	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl LC/LC - 3M (10ft) (Tripp Lite N370-03M).....	72.18	
27 29 00 00-1610	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/LC - 5M (16') (Tripp Lite N370-05M).....	76.84	
27 29 00 00-1611	EA			Duplex Singlemode 8.3/125 Fiber Patch Cbl LC/LC - 10M (30ft - 33ft) (Tripp Lite N370-10M).....	81.50	
27 29 00 00-1612	EA			15 Meter Duplex Singlemode Fiber Patch Cable 8.3/125 LC/LC 50ft (Tripp Lite N370-15M).....	86.15	
27 29 00 00-1613	EA			Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/FC - 2M (6') (Tripp Lite N378-02M).....	69.85	
27 29 00 00-1614	EA			Fiber Optic Mode Conditioning patch cable ST-SC - 3M (Tripp Lite N420-03M).....	197.92	
27 29 00 00-1615	EA			Fiber Optic Mode Conditioning Patch Cable ST-LC - 1M (3') (Tripp Lite N422-01M).....	232.85	
27 29 00 00-1616	EA			Fiber Optic Mode Conditioning Patch Cable ST-LC - 2M (6') (Tripp Lite N422-02M).....	256.13	
27 29 00 00-1617	EA			Fiber Optic Mode Conditioning Patch Cable ST-LC - 3M (10') (Tripp Lite N422-03M).....	279.42	
27 29 00 00-1618	EA			Fiber Optic Mode Conditioning Patch Cable ST-LC - 10M (33') (Tripp Lite N422-10M).....	302.70	
27 29 00 00-1619	EA			Fiber Optic Mode Conditioning Patch Cable SC-LC - 1M (3') (Tripp Lite N424-01M).....	209.56	
27 29 00 00-1620	EA			Fiber Optic Mode Conditioning Patch Cable SC-LC - 4M (13') (Tripp Lite N424-04M).....	232.85	
27 29 00 00-1621	EA			Fiber Optic Mode Conditioning Patch Cable SC-LC - 5M (16') (Tripp Lite N424-05M).....	256.13	
27 29 00 00-1622	EA			Fiber Optic Mode Conditioning Patch Cable SC-SC - 2M (6') (Tripp Lite N426-02M).....	162.99	
27 29 00 00-1623	EA			Fiber Optic Mode Conditioning Patch Cable SC-SC - 3M (10') (Tripp Lite N426-03M).....	174.64	
27 29 00 00-1624	EA			Fiber Optic Mode Conditioning Patch Cable SC-SC - 5M (16') (Tripp Lite N426-05M).....	197.92	
27 29 00 00-1625	EA			Duplex Multimode Fiber Coupler, SC/SC (Tripp Lite N452-000).....	18.63	
27 29 00 00-1626	EA			Duplex Multimode Fiber Coupler, LC/LC (Tripp Lite N455-000).....	18.63	
27 29 00 00-1627	EA			Dual Duplex Multimode Fiber Optic Coupler LC/LC (Tripp Lite N455-000-PM).....	18.63	
27 29 00 00-1628	EA			Duplex Singlemode Fiber Coupler, LC/LC (Tripp Lite N455-000-S).....	27.94	
27 29 00 00-1629	EA			Dual Duplex Singlemode Fiber Optic Coupler LC/LC (Tripp Lite N455-000-S-PM).....	27.94	
27 29 00 00-1630	EA			Duplex Multimode Fiber Coupler, SC/ST (Tripp Lite N456-000).....	18.63	
27 29 00 00-1631	EA			Duplex Multimode 50/125 Fiber Adapter, LC-M/ST-F, 1' (Tripp Lite N457-001-50).....	46.57	
27 29 00 00-1632	EA			Duplex Multimode 62.5/125 Fiber Adapter, LC-M/ST-F, 1' (Tripp Lite N457-001-62).....	51.23	
27 29 00 00-1633	EA			Duplex Multimode 50/125 Fiber Adapter, LC-M/SC-F, 1' (Tripp Lite N458-001-50).....	51.23	
27 29 00 00-1634	EA			Duplex Multimode 62.5/125 Fiber Adapter, LC-M/SC-F, 1' (Tripp Lite N458-001-62).....	51.23	
27 29 00 00-1635	EA			1ft Duplex SMF 8.3/125 Adapter LC-Male/SC-Female 1' (Tripp Lite N458-001-9).....	60.54	
27 29 00 00-1636	EA			Fiber Patch Panel, 1U, LC/LC - 16 Port (Tripp Lite N490-016-LCLC).....	325.99	
27 29 00 00-1637	EA			Fiber Patch Panel, 1U, MTRJ/MTRJ - 16 Port (Tripp Lite N490-016-MTRJ).....	279.42	
27 29 00 00-1638	EA			Fiber Patch Panel, 1U, SC/SC - 16 Port (Tripp Lite N490-016-SCSC).....	325.99	
27 29 00 00-1639	EA			Fiber Patch Panel, 1U, ST/SC - 16 Port (Tripp Lite N490-016-STSC).....	279.42	

## 27 Communications

## 27 20 Data Communications

## 27 29 Data Communications Network Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1640	EA		Fiber Patch Panel, 1U, ST/ST - 16 Port (Tripp Lite N490-016-STST) .....	325.99	
27 29 00 00-1641	EA		Duplex Multimode 50/125 Fiber Patch Cbl SC/ST - 2M (6ft - 7ft) (Tripp Lite N504-02M) .....	32.60	
27 29 00 00-1642	EA		5M Duplex MMF 50/125 Patch Cable (SC/ST) 16ft (Tripp Lite N504-05M) .....	41.91	
27 29 00 00-1643	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 1M (3') (Tripp Lite N506-01M) .....	34.93	
27 29 00 00-1644	EA		Multimode Duplex 50/125 Fiber Patch Cable SC/SC - 2M (Tripp Lite N506-02M) .....	39.58	
27 29 00 00-1645	EA		Multimode Duplex 50/125 Fibre Channel Patch Cable - SC/SC - 3M (Tripp Lite N506-03M) .....	41.91	
27 29 00 00-1646	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 5M (16') (Tripp Lite N506-05M) .....	46.57	
27 29 00 00-1647	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 9M (30') (Tripp Lite N506-09M) .....	53.56	
27 29 00 00-1648	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 10M (33') (Tripp Lite N506-10M) .....	55.88	
27 29 00 00-1649	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 15M (16') (Tripp Lite N506-15M) .....	67.53	
27 29 00 00-1650	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 30M (98') (Tripp Lite N506-30M) .....	100.12	
27 29 00 00-1651	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 50M (164') (Tripp Lite N506-50M) .....	151.35	
27 29 00 00-1652	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable MTRJ/LC - 3M (10') (Tripp Lite N514-03M) .....	60.54	
27 29 00 00-1653	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 1M (3') (Tripp Lite N516-01M) .....	41.91	
27 29 00 00-1654	EA		Multimode Duplex 50/125 Fiber Patch Cable LC/SC - 2M (Tripp Lite N516-02M) .....	44.24	
27 29 00 00-1655	EA		Multimode Duplex 50/125 Fibre Channel Patch Cable - LC/SC - 3M (Tripp Lite N516-03M) .....	46.57	
27 29 00 00-1656	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 5M (16') (Tripp Lite N516-05M) .....	51.23	
27 29 00 00-1657	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 10M (33') (Tripp Lite N516-10M) .....	65.20	
27 29 00 00-1658	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 15M (16') (Tripp Lite N516-15M) .....	74.51	
27 29 00 00-1659	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 20M (65') (Tripp Lite N516-20M) .....	86.15	
27 29 00 00-1660	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 30M (98') (Tripp Lite N516-30M) .....	107.11	
27 29 00 00-1661	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 50M (164') (Tripp Lite N516-50M) .....	156.01	
27 29 00 00-1662	EA		Duplex Multimode 50/125 Fiber Patch Cbl LC/ST - 1M (3ft) (Tripp Lite N518-01M) .....	46.57	
27 29 00 00-1663	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/ST - 2M (6') (Tripp Lite N518-02M) .....	48.90	
27 29 00 00-1664	EA		Duplex Multimode 50/125 Fiber Patch Cbl LC/ST - 3M (10ft) (Tripp Lite N518-03M) .....	51.23	
27 29 00 00-1665	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/ST - 5M (16') (Tripp Lite N518-05M) .....	53.56	
27 29 00 00-1666	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/ST - 10M (33') (Tripp Lite N518-10M) .....	67.53	
27 29 00 00-1667	EA		Duplex Multimode 50/125 Fiber Patch Cbl LC/ST - 20M (65ft) (Tripp Lite N518-20M) .....	88.48	
27 29 00 00-1668	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 1M (3') (Tripp Lite N520-01M) .....	53.56	
27 29 00 00-1669	EA		Multimode Duplex 50/125 Fiber Patch Cable LC/LC - 2M (Tripp Lite N520-02M) .....	55.88	
27 29 00 00-1670	EA		Multimode Duplex 50/125 Fibre Channel Patch Cable - LC/LC - 3M (Tripp Lite N520-03M) .....	58.21	
27 29 00 00-1671	EA		Multimode Duplex 50/125 Fiber Patch Cbl LC/LC - 4M (Tripp Lite N520-04M) .....	58.21	
27 29 00 00-1672	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 5M (16') (Tripp Lite N520-05M) .....	65.20	
27 29 00 00-1673	EA		6 Meter Duplex Multimode Patch Cable 50/125 LC/LC 20ft (Tripp Lite N520-06M) .....	67.53	
27 29 00 00-1674	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 7M (23') (Tripp Lite N520-07M) .....	69.85	
27 29 00 00-1675	EA		8 Meter Duplex Multimode Fiber Patch Cable 50/125 LC/LC 8M (Tripp Lite N520-08M) .....	72.18	
27 29 00 00-1676	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 100M (330') (Tripp Lite N520-100M) .....	302.70	
27 29 00 00-1677	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 10M (33') (Tripp Lite N520-10M) .....	76.84	
27 29 00 00-1678	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 10M (39 ft.) (Tripp Lite N520-12M) .....	81.50	
27 29 00 00-1679	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 152M (500') (Tripp Lite N520-152M) .....	582.12	
27 29 00 00-1680	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 15M (16') (Tripp Lite N520-15M) .....	93.14	
27 29 00 00-1681	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 20M (65') (Tripp Lite N520-20M) .....	104.78	
27 29 00 00-1682	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 25M (16') (Tripp Lite N520-25M) .....	116.42	
27 29 00 00-1683	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 30M (98') (Tripp Lite N520-30M) .....	128.07	
27 29 00 00-1684	EA		30M Duplex MMF 50/125 Plenum Patch Cable LC/LC 100ft (Tripp Lite N520-30M-P) .....	298.05	
27 29 00 00-1685	EA		35M Duplex MMF 50/125 Patch Cable 115' LC/LC 115ft (Tripp Lite N520-35M) .....	139.71	
27 29 00 00-1686	EA		Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 50M (164') (Tripp Lite N520-50M) .....	174.64	
27 29 00 00-1687	EA		5m Duplex Multimode 50/125 Fiber Patch Cable MTP/MTP (Tripp Lite N546-05M) .....	314.34	
27 29 00 00-1688	EA		10m Duplex Multimode 50/125 Fiber Patch Cable MTP/MTP (Tripp Lite N546-10M) .....	372.56	
27 29 00 00-1689	EA		15m Duplex Multimode 50/125 Fiber Patch Cable MTP/MTP (Tripp Lite N546-15M) .....	419.13	
27 29 00 00-1690	EA		20m Duplex Multimode 50/125 Fiber Patch Cable MTP/MTP (Tripp Lite N546-20M) .....	465.70	
27 29 00 00-1691	EA		30m Duplex Multimode 50/125 Fiber Patch Cable MTP/MTP (Tripp Lite N546-30M) .....	535.55	
27 29 00 00-1692	EA		50m Duplex Multimode 50/125 Fiber Patch Cable MTP/MTP (Tripp Lite N546-50M) .....	768.40	
27 29 00 00-1693	EA		1000ft Bulk Duplex Multimode 62.5/125 Fiber Patch Cable Orange (Tripp Lite N549-01K) .....	535.55	
27 29 00 00-1694	EA		External Multimode Media Converter 10/100 FX/TX SC/RJ45, 2km, 1300nm (Tripp Lite N784-001-SC) .....	174.64	
27 29 00 00-1695	EA		External Multimode Media Converter 10/100 FX/TX ST/RJ45, 2km, 1300nm (Tripp Lite N784-001-ST) .....	174.64	
27 29 00 00-1696	EA		External Multimode Media Converter 10/100/1000 FX/TX SC/RJ45, 2km, 1300nm (Tripp Lite N785-001-SC) .....	337.63	
27 29 00 00-1697	EA		10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl SC/SC - 1M (3ft) (Tripp Lite N806-01M) .....	44.24	
27 29 00 00-1698	EA		10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl SC/SC - 2M (6ft - 7ft) (Tripp Lite N806-02M) .....	48.90	
27 29 00 00-1699	EA		10Gb Multimode 50/125 Duplex LSZH Aqua Fiber Patch Cable SC/SC - 3M (Tripp Lite N806-03M) .....	53.56	
27 29 00 00-1700	EA		10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl SC/SC - 5M (15ft) (Tripp Lite N806-05M) .....	60.54	
27 29 00 00-1701	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable SC/SC - 10M (33') (Tripp Lite N806-10M) .....	83.83	
27 29 00 00-1702	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable SC/SC - 15M (16') (Tripp Lite N806-15M) .....	114.10	
27 29 00 00-1703	EA		10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl LC/SC - 1M (3ft) (Tripp Lite N816-01M) .....	58.21	
27 29 00 00-1704	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/SC - 2M (6') (Tripp Lite N816-02M) .....	62.87	
27 29 00 00-1705	EA		10Gb Multimode 50/125 Duplex LSZH Aqua Fiber Patch Cable LC/SC - 3M (Tripp Lite N816-03M) .....	67.53	
27 29 00 00-1706	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/SC - 5M (16') (Tripp Lite N816-05M) .....	76.84	
27 29 00 00-1707	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/SC - 10M (33') (Tripp Lite N816-10M) .....	102.45	
27 29 00 00-1708	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/SC - 15M (16') (Tripp Lite N816-15M) .....	132.72	
27 29 00 00-1709	EA		10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl LC/ST - 1M (3ft) (Tripp Lite N818-01M) .....	62.87	
27 29 00 00-1710	EA		10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl LC/ST - 2M (6ft - 7ft) (Tripp Lite N818-02M) .....	69.85	
27 29 00 00-1711	EA		10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl LC/ST - 3M (10ft) (Tripp Lite N818-03M) .....	74.51	
27 29 00 00-1712	EA		10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl LC/ST - 5M (15ft) (Tripp Lite N818-05M) .....	86.15	
27 29 00 00-1713	EA		10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl LC/ST - 10M (30ft - 33ft) (Tripp Lite N818-10M) .....	111.77	
27 29 00 00-1714	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 1M (3') (Tripp Lite N820-01M) .....	60.54	
27 29 00 00-1715	EA		1M 40/100Gb MMF 50/125 OM4 LSZH Patch Cable LC/LC Aqua 3' (Tripp Lite N820-01M-OM4) .....	79.17	
27 29 00 00-1716	EA		10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl LC/LC - 2M (6ft - 7ft) (Tripp Lite N820-02M) .....	65.20	
27 29 00 00-1717	EA		2M 40/100Gb MMF 50/125 OM4 LSZH Patch Cable LC/LC Aqua 6' (Tripp Lite N820-02M-OM4) .....	88.48	
27 29 00 00-1718	EA		10Gb Multimode 50/125 Duplex LSZH Aqua Fiber Patch Cable LC/LC - 3M (Tripp Lite N820-03M) .....	69.85	
27 29 00 00-1719	EA		3M 40/100Gb MMF 50/125 OM4 LSZH Patch Cable LC/LC Aqua 10' (Tripp Lite N820-03M-OM4) .....	100.12	
27 29 00 00-1720	EA		10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 5M (16') (Tripp Lite N820-05M) .....	76.84	
27 29 00 00-1721	EA		5M 40/100Gb MMF 50/125 OM4 LSZH Patch Cable LC/LC Aqua 16' (Tripp Lite N820-05M-OM4) .....	118.75	
27 29 00 00-1722	EA		6M 10Gb Duplex MMF OM3 50/125 LSZH Patch Cable LC/LC Aqua 20ft (Tripp Lite N820-06M) .....	79.17	
27 29 00 00-1723	EA		7M 10Gb Duplex MMF OM3 50/125 LSZH Patch Cable LC/LC Aqua 23ft (Tripp Lite N820-07M) .....	81.50	
27 29 00 00-1724	EA		8M 10Gb Duplex Fiber OM3 50/125 LSZH Patch Cable LC/LC Aqua 26ft (Tripp Lite N820-08M) .....	86.15	

		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1725	EA	10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 10M (33') (Tripp Lite N820-10M) .....	93.14	
27 29 00 00-1726	EA	10M 40/100Gb MMF 50/125 OM4 LSZH Patch Cable LC/LC Aqua 33' (Tripp Lite N820-10M-OM4) .....	172.31	
27 29 00 00-1727	EA	10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 15M (16') (Tripp Lite N820-15M) .....	121.08	
27 29 00 00-1728	EA	10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 20M (65') (Tripp Lite N820-20M) .....	144.37	
27 29 00 00-1729	EA	10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 25M (80') (Tripp Lite N820-25M) .....	162.99	
27 29 00 00-1730	EA	30M 10Gb Duplex Fiber OM3 50/125 LSZH Cable LC/LC Aqua 100ft (Tripp Lite N820-30M).....	181.62	
27 29 00 00-1731	EA	35M 10Gb Duplex Fiber OM3 50/125 LSZH Patch Cable LC/LC Aqua 115ft (Tripp Lite N820-35M) .....	209.56	
27 29 00 00-1732	EA	10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 50M (165') (Tripp Lite N820-50M) .....	256.13	
27 29 00 00-1733	EA	1M 10G Duplex MMF 50/125 OM3 Fiber Cable Mini-LC / LC Aqua 3' (Tripp Lite N836-01M) .....	60.54	
27 29 00 00-1734	EA	2M 10G Duplex MMF 50/125 OM3 Fiber Cable Mini-LC / LC Aqua 6' (Tripp Lite N836-02M) .....	65.20	
27 29 00 00-1735	EA	3M 10G Duplex MMF 50/125 OM3 Fiber Cable Mini-LC / LC Aqua 10' (Tripp Lite N836-03M) .....	69.85	
27 29 00 00-1736	EA	5M 10G Duplex MMF 50/125 OM3 Fiber Cable Mini-LC / LC Aqua 16' (Tripp Lite N836-05M) .....	76.84	
27 29 00 00-1737	EA	10M 10G Duplex MMF 50/125 OM3 Fiber Cable Mini-LC / LC Aqua 33' (Tripp Lite N836-10M) .....	93.14	
27 29 00 00-1738	EA	1M 10G Duplex MMF 50/125 OM3 Fiber Cable Mini-LC Mini-LC Aqua 3' (Tripp Lite N838-01M) .....	60.54	
27 29 00 00-1739	EA	2M 10G Duplex MMF 50/125 OM3 Fiber Cable Mini-LC Mini-LC Aqua 6' (Tripp Lite N838-02M) .....	65.20	
27 29 00 00-1740	EA	3M 10G Dup MMF 50/125 OM3 Fiber Cable Mini-LC Mini-LC Aqua 10' (Tripp Lite N838-03M) .....	69.85	
27 29 00 00-1741	EA	5M 10G Dup MMF 50/125 OM3 Fiber Cable Mini-LC Mini-LC Aqua 16' (Tripp Lite N838-05M) .....	76.84	
27 29 00 00-1742	EA	10M 10G Dup MMF 50/125 OM3 Fiber Cable Mini-LC Mini-LC Aqua 33' (Tripp Lite N838-10M) .....	93.14	
27 29 00 00-1743	EA	10M MTP / MPO Patch Cable 12 Fiber 40GbE Aqua OM3 Plenum 33ft (Tripp Lite N844-01M-12-P).....	349.27	
27 29 00 00-1744	EA	2M MTP / MPO Patch Cable 12 Fiber 40GbE Aqua OM3 Plenum 6ft (Tripp Lite N844-02M-12-P).....	372.56	
27 29 00 00-1745	EA	2M Fan-out Cable MTP / MPO to 8 x LC 40GbE OM3 Plenum 6ft (Tripp Lite N844-02M-8LC-P) .....	372.56	
27 29 00 00-1746	EA	3M MTP / MPO Patch Cable 12 Fiber 40GbE Aqua OM3 Plenum 10ft (Tripp Lite N844-03M-12-P).....	395.84	
27 29 00 00-1747	EA	3M Fan-out Cable MTP / MPO to 8 x LC 40GbE OM3 Plenum 10ft (Tripp Lite N844-03M-8LC-P) .....	395.84	
27 29 00 00-1748	EA	5M MTP / MPO Patch Cable 12 Fiber 40GbE Aqua OM3 Plenum 16ft (Tripp Lite N844-05M-12-P).....	442.41	
27 29 00 00-1749	EA	5M Fan-out Cable MTP / MPO to 8 x LC 40GbE OM3 Plenum 16ft (Tripp Lite N844-05M-8LC-P) .....	442.41	
27 29 00 00-1750	EA	10M MTP / MPO Patch Cable 12 Fiber 40GbE Aqua OM3 Plenum 33ft (Tripp Lite N844-10M-12-P).....	558.84	
27 29 00 00-1751	EA	1M MTP / MPO Patch Cable 24 Fiber 100GbE Aqua OM3 Plenum 3ft (Tripp Lite N846-01M-24-P).....	628.69	
27 29 00 00-1752	EA	2M MTP / MPO Patch Cable 24 Fiber 100GbE Aqua OM3 Plenum 6ft (Tripp Lite N846-02M-24-P).....	675.26	
27 29 00 00-1753	EA	5M MTP / MPO Patch Cable 24 Fiber 100GbE Aqua OM3 Plenum 16ft (Tripp Lite N846-05M-24-P).....	791.68	
27 29 00 00-1754	EA	10M MTP / MPO Patch Cable 24 Fiber 100GbE Aqua OM3 Plenum 33ft (Tripp Lite N846-10M-24-P).....	1,024.53	
27 29 00 00-1755	EA	Messenger Notebook Brief. Includes removable cell phone case. (Tripp Lite NB1000GY) .....	73.35	
27 29 00 00-1756	EA	Profile Notebook Brief. (Tripp Lite NB1001BK) .....	98.96	
27 29 00 00-1757	EA	Slim-Line Professional Brief. (Tripp Lite NB1002OL) .....	135.05	
27 29 00 00-1758	EA	Traditional Notebook Case. (Tripp Lite NB1003BK) .....	135.05	
27 29 00 00-1759	EA	Executive Notebook Case. (Tripp Lite NB1004BK) .....	197.92	
27 29 00 00-1760	EA	Corporate Top-Load Notebook Case. (Tripp Lite NB1005BK) .....	223.53	
27 29 00 00-1761	EA	Messenger Notebook Bag. (Tripp Lite NB1094GY) .....	125.74	
27 29 00 00-1762	EA	Notebook Cooling Pad. Includes two built-in cooling pads. (Tripp Lite NC2003SR) .....	52.39	
27 29 00 00-1763	EA	Articulating Notebook Arm. Adjustable to accommodate any position. (Tripp Lite NS2002BK) .....	137.38	
27 29 00 00-1764	EA	1050VA UPS System OmniSmart Tower Line-Interactive 120V 6 Outlet - 1050 VA, 1 USB, AVR LED (Tripp Lite OMNI SMT1050PNP) .....	660.12	
27 29 00 00-1765	EA	1400VA UPS System OmniSmart Tower Line-Interactive 120V 6 Outlet - 1400 VA, 1 USB, AVR LED (Tripp Lite OMNI SMT1400PNP) .....	935.18	
27 29 00 00-1766	EA	300VA UPS System OmniSmart Tower Line-Interactive 120V 3 Outlet - 300 VA, 1 USB, Modem/Fax Protection (Tripp Lite OMNI SMT300PNP) .....	277.67	
27 29 00 00-1767	EA	500VA UPS System OmniSmart Tower Line-Interactive 120V 6 Outlet - 500 VA, 1 USB, Modem/Fax Protection (Tripp Lite OMNI SMT500PNP) .....	395.55	
27 29 00 00-1768	EA	700VA UPS System OmniSmart Tower Line-Interactive 120V 6 Outlet - 700 VA, 1 USB, Modem/Fax/Ethernet Protection (Tripp Lite OMNI SMT700PNP) .....	521.29	
27 29 00 00-1769	EA	1000VA UPS System OMNI Full Line Isolation Towers AVR Line-Interactive 120V 6 Outlet - 1000 VA, 1 USB (Tripp Lite OMNI1000ISO).....	914.22	
27 29 00 00-1770	EA	1500VA UPS Omni Smart LCD USB RJ45 120V 5-15R 8 Outlet 2U RM (Tripp Lite OMNI1500LCD).....	468.90	
27 29 00 00-1771	EA	1500VA NAFTA Omni Ext Run Line-Int UPS Tower 8 outlets (Tripp Lite OMNI1500XLNAFTA) .....	686.32	
27 29 00 00-1772	EA	300VA NAFTA Omni Smart Line-Int UPS Tower 3 outlets (Tripp Lite OMNI300NAFTA).....	301.25	
27 29 00 00-1773	EA	500VA UPS System OMNI Full Line Isolation Towers AVR Line-Interactive 120V 6 Outlet - 500 VA, 1 USB (Tripp Lite OMNI500ISO) .....	476.76	
27 29 00 00-1774	EA	650VA UPS System OmniSmart Rack/Shelf/Tower Digital LCD Line-Interactive 120V 8 Outlet - 650 VA, 1 USB (Tripp Lite OMNI650LCD).....	275.05	
27 29 00 00-1775	EA	750VA UPS System OMNI Full Line Isolation Towers AVR Line-Interactive 120V 6 Outlet - 750 VA, 1 USB (Tripp Lite OMNI750ISO) .....	806.82	
27 29 00 00-1776	EA	900VA UPS System OmniSmart Rack/Shelf/Tower Digital LCD Line-Interactive 120V 8 Outlet - 900 VA, 1 USB (Tripp Lite OMNI900LCD) .....	301.25	
27 29 00 00-1777	EA	330VA UPS System OmniSmart Hospital Grade Tower Line-Interactive 120V 4 Outlet - 330 VAUL 60601-1 Listed, 1 Basic Comm Port, 2 Line Modem/Fax Protection (Tripp Lite OMNISMART350HG) .....	858.63	
27 29 00 00-1778	EA	1000VA UPS System OmniVS Tower Line-Interactive 120V 8 Outlet - 1000 VA, 1 USB, Modem/Fax Protection (Tripp Lite OMNIVS1000) .....	319.58	
27 29 00 00-1779	EA	1500VA UPS System OmniVS Tower Line-Interactive 120V 8 Outlet - 1500 VA, 1 USB, Modem/Fax/Ethernet Protection (Tripp Lite OMNIVS1500).....	476.76	
27 29 00 00-1780	EA	1500VA UPS System OmniVS Tower Extended Run Line-Interactive 120 Volt 8 Outlet - 1500 VA 1 USB, Modem/Fax/Ethernet Protection (Tripp Lite OMNIVS1500XL).....	529.15	
27 29 00 00-1781	EA	Note: Use BP24V14 or BP24V34 for Extended Run		
27 29 00 00-1782	EA	TAA Compliant 1500VA UPS Omni VS Tower Ext Run 8 outlets (Tripp Lite OMNIVS1500XLTA).....	589.40	
27 29 00 00-1783	EA	800VA UPS System OmniVS Tower Line-Interactive 120V 7 Outlet - 800 VA, 1 USB, Modem/Fax Protection (Tripp Lite OMNIVS800).....	298.63	
27 29 00 00-1784	EA	1000VA International UPS System OmniSmart Tower VS Line-Interactive 230V 6 Outlet - 1000 VA 1 USB, Modem/Fax Protection (Tripp Lite OMNIVSINT1000) .....	561.31	
27 29 00 00-1785	EA	1500VA International UPS System OmniSmart Tower VS Extended Run Line-Interactive 230 Volt 8 Outlet - 1500 VA 1 USB, Modem/Fax/Network Protection (Tripp Lite OMNIVSINT1500XL) .....	696.80	
27 29 00 00-1786	EA	Note: Use BP24V14 or BP24V34 for Extended Run		
27 29 00 00-1787	EA	800VA International UPS System OmniSmart Tower VS Line-Interactive 230V 4 Outlet - 800 VA 1 USB, Modem/Fax Protection (Tripp Lite OMNIVSINT800).....	406.47	
27 29 00 00-1788	EA	TAA Compliant 1500VA Intl UPS Omni Smart Tower 8 outlets 230V (Tripp Lite OMNIX1500XLTA).....	846.11	
27 29 00 00-1789	EA	350VA Intl UPS Omni Smart Line-Interactive 230V 6 outlets Hospital Grade (Tripp Lite OMNIX350HG).....	858.63	
27 29 00 00-1790	EA	Power Converter Cable - PC Plug (IEC-320-C14) to AC Rec (NEMA 5-15R) - 2' (Tripp Lite P002-002).....	10.43	
27 29 00 00-1791	EA	AC Power Extension Cable, C14 to Left-Angle C13, 100-250V, 10A, 18Awg, SJT - 2 ft. (Tripp Lite P004-002-13LA).....	12.05	

## 27 Communications

## 27 20 Data Communications

## 27 29 Data Communications Network Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1790	EA		AC Power Extension Cable, C14 to Right-Angle C13, 100-250V, 10A, 18AWG, SJT - 2 ft. (Tripp Lite P004-002-13RA).....	12.05	
27 29 00 00-1791	EA		AC Power Cable (IEC-320-C14 - IEC-320-C13) - 2' (Tripp Lite P004-002-5).....	80.29	
27 29 00 00-1792	EA		AC Power Extension Cable, C14 to C13, 100-250V, 10A, 18AWG, SJT - 4 ft. (Tripp Lite P004-004).....	11.85	
27 29 00 00-1793	EA		4ft 18 AWG Power Cord C14 to C13 with Blue Connectors (Tripp Lite P004-004-BL).....	12.44	
27 29 00 00-1794	EA		4ft 18AWG Power Cord C14 to C13 Green Connectors 4' (Tripp Lite P004-004-GN).....	12.44	
27 29 00 00-1795	EA		4ft 18AWG Power Cord C14 to C13 Red Connectors 4' (Tripp Lite P004-004-RD).....	12.44	
27 29 00 00-1796	EA		4ft 18AWG Power Cord C14 to C13 Yellow Connectors 4' (Tripp Lite P004-004-YW).....	12.44	
27 29 00 00-1797	EA		AC Power Extension Cable - PC Style Plugs (IEC-320-C14 to IEC-320-C13) - 6' (Tripp Lite P004-006).....	12.44	
27 29 00 00-1798	EA		AC Power Extension/Splitter Cable, C14 to (x2) C13, 100-250V, 10A, 18AWG, SJT - 6 ft. (Tripp Lite P004-006-2C13).....	32.12	
27 29 00 00-1799	EA		10ft 18AWG Power Cord SJT 10A 100V - 250V C14 to C13 10' (Tripp Lite P004-010).....	24.09	
27 29 00 00-1800	EA		AC Power Cord, C13/C14, 100-230V,15A,14AWG SJT - 2' (Tripp Lite P005-002).....	28.10	
27 29 00 00-1801	EA		AC Power Cord, C13/C14, 100-230V,15A,14AWG SJT - 6' (Tripp Lite P005-006).....	44.15	
27 29 00 00-1802	EA		6ft Heavy Duty 14 AWG Power Cord C13 to C14 Blue Connectors (Tripp Lite P005-006-BL).....	44.15	
27 29 00 00-1803	EA		6ft 14AWG Power Cord Heavy Duty C13 to C14 Green Connectors 6' (Tripp Lite P005-006-GN).....	44.15	
27 29 00 00-1804	EA		6ft 14AWG Power Cord Heavy Duty C13 to C14 Red Connectors 6' (Tripp Lite P005-006-RD).....	44.15	
27 29 00 00-1805	EA		6ft 14AWG Power Cord Heavy Duty C13 to C14 Yellow Connectors 6' (Tripp Lite P005-006-YW).....	44.15	
27 29 00 00-1806	EA		AC Cord, C13 to C14, 15A, 14AWG - 10' (Tripp Lite P005-010).....	60.22	
27 29 00 00-1807	EA		1ft 14AWG Power Cord Heavy Duty C13 to C14 12" (Tripp Lite P005-12N).....	20.07	
27 29 00 00-1808	EA		18in 14AWG Power Cord Heavy Duty C13 to C14 18" (Tripp Lite P005-18N).....	24.09	
27 29 00 00-1809	EA		AC Power Cable, C13 to 5-15P, 125V, 10A, 18AWG, SJT - 3 ft. (Tripp Lite P006-003).....	10.84	
27 29 00 00-1810	EA		AC Power Cable, C13 to 5-15P, 125V, 10A, 18AWG, SJT - 4 ft. (Tripp Lite P006-004).....	11.23	
27 29 00 00-1811	EA		4ft 18AWG Power Cord 5-15P to C13 with Blue Connectors (Tripp Lite P006-004-BL).....	11.64	
27 29 00 00-1812	EA		4ft 18AWG Power Cord 5-15P to C13 Green Connectors 4' (Tripp Lite P006-004-GN).....	11.64	
27 29 00 00-1813	EA		4ft 18AWG Power Cord 5-15P to C13 Red Connectors 4' (Tripp Lite P006-004-RD).....	11.64	
27 29 00 00-1814	EA		4ft 18AWG Power Cord 5-15P to C13 Yellow Connectors 4' (Tripp Lite P006-004-YW).....	11.64	
27 29 00 00-1815	EA		AC Power Repl. Cable - AC Plug (NEMA 5-15P) to PC Style Rec (IEC-320-C13) - 6' (Tripp Lite P006-006).....	12.44	
27 29 00 00-1816	EA		AC Power Cord, Left-Angle C13 to 5-15P, 125V, 10A, 18AWG, SJT - 6 ft. (Tripp Lite P006-006-13LA).....	16.05	
27 29 00 00-1817	EA		AC Power Cord, Right-Angle C13 to 5-15P, 125V, 10A, 18AWG, SJT - 6 ft. (Tripp Lite P006-006-13RA).....	16.05	
27 29 00 00-1818	EA		AC Power Splitter Cable, 5-15P to (x2) C13 - 6 ft. (Tripp Lite P006-006-2).....	36.14	
27 29 00 00-1819	EA		6ft Piggyback Power Cord 5-15P/R to C13 6' (Tripp Lite P006-006-515MF).....	20.07	
27 29 00 00-1820	EA		10ft 18AWG Power Cord NEMA 5-15P to IEC-320-C13 10' (Tripp Lite P006-010).....	24.09	
27 29 00 00-1821	EA		AC Power Cord, C13/5-15P, 125V,15A,14AWG SJT - 2' (Tripp Lite P007-002).....	24.09	
27 29 00 00-1822	EA		AC Power Cord, C13/5-15P, 125V,15A,14AWG SJT - 6' (Tripp Lite P007-006).....	36.14	
27 29 00 00-1823	EA		AC Cord, C13 to 5-15P, 15A, 14AWG - 10' (Tripp Lite P007-010).....	52.19	
27 29 00 00-1824	EA		AC Power Repl. Cable - AC Plug (NEMA 5-15P) to PC Style Rec (IEC-320-C13) - 12' (Tripp Lite P010-012).....	22.88	
27 29 00 00-1825	EA		AC Power Cord, L6-20P to C13, 250V, 15A, 14AWG, SJTW - 6' (Tripp Lite P011-006).....	52.19	
27 29 00 00-1826	EA		Notebook Power Adapter Cable (NEMA 1-15P to IEC-320-C7) - 6' (Tripp Lite P012-006).....	12.05	
27 29 00 00-1827	EA		6ft 18AWG Power Cord NEMA 5-15P to C5 6' (Tripp Lite P013-006).....	28.10	
27 29 00 00-1828	EA		6ft 18AWG Power Cord (C14 to C5) 6' (Tripp Lite P014-006).....	40.15	
27 29 00 00-1829	EA		6 inch 18AWG Power Cord Adapter (C14 to C5) 6" (Tripp Lite P014-06N).....	32.12	
27 29 00 00-1830	EA		3ft 14AWG Power Cord Heavy Duty C14 to C15 3' (Tripp Lite P018-003).....	52.19	
27 29 00 00-1831	EA		6ft 14AWG Power Cord Heavy Duty C14 to C15 6' (Tripp Lite P018-006).....	68.25	
27 29 00 00-1832	EA		4ft Heavy Duty Power Cord 15A 100-250V 14AWG SJT 5-15P to C15 4' (Tripp Lite P019-004).....	60.22	
27 29 00 00-1833	EA		8ft Heavy Duty Power Cord 15A 100-250V 14AWG SJT 5-15P to C15 8' (Tripp Lite P019-008).....	80.29	
27 29 00 00-1834	EA		Power Extension / Adapter Cable (NEMA 5-15R to NEMA 5-15P) - 1 ft. (Tripp Lite P022-001).....	12.05	
27 29 00 00-1835	EA		Power Extension / Adapter Cable - (2) NEMA 5-15R to NEMA 5-15P - 1 ft. (Tripp Lite P022-001-2).....	18.06	
27 29 00 00-1836	EA		15ft 16AWG Power Extension Cord NEMA 5-15R to NEMA 5-15P 15' (Tripp Lite P022-015).....	28.10	
27 29 00 00-1837	EA		25ft 16AWG Power Extension Cord NEMA 5-15R to NEMA 5-15P 25' (Tripp Lite P022-025).....	44.15	
27 29 00 00-1838	EA		AC Power Cord, 5-15P/L5-15R, 120V, SJTW, 14AWG, 15A - 1' (Tripp Lite P023-001).....	28.10	
27 29 00 00-1839	EA		5-Pack AC Power Cords, 5-15P to C13, 125V, 10A, 18AWG, SVT - 2' (Tripp Lite P030-002-5).....	80.29	
27 29 00 00-1840	EA		AC Power Splitter Cable, C20 to (x2) C13, 100-250V, 15A, 14AWG, SJTW - 2 ft. (Tripp Lite P032-002-2C13).....	52.19	
27 29 00 00-1841	EA		AC Power Cord 10A 100-240V, 12AWG, C13/C20, 7' (Tripp Lite P032-007).....	64.24	
27 29 00 00-1842	EA		AC Cord, C19 to 5-15P, 15A, 14AWG - 10' (Tripp Lite P034-010).....	56.20	
27 29 00 00-1843	EA		AC Cord, 250V, 16A, 12AWG, SJT - 2' (Tripp Lite P036-002).....	40.15	
27 29 00 00-1844	EA		AC Power Cord, Left-Angle C19 to C20, 100-250V, 20A, 12AWG, SJTW - 2 ft. (Tripp Lite P036-002-19LA).....	36.14	
27 29 00 00-1845	EA		AC Power Cord, Right-Angle C19 to C20, 100-250V, 20A, 12AWG, SJTW - 2 ft. (Tripp Lite P036-002-19RA).....	36.14	
27 29 00 00-1846	EA		AC Power Cord, Left-Angle C20 to C19, 100-250V, 20A, 12AWG, SJTW - 2 ft. (Tripp Lite P036-002-20LA).....	36.14	
27 29 00 00-1847	EA		AC Power Cord, Right-Angle C20 to C19, 100-250V, 20A, 12AWG, SJTW - 2 ft. (Tripp Lite P036-002-20RA).....	36.14	
27 29 00 00-1848	EA		AC Power Cord 100-230V, 12AWG - 6' (Tripp Lite P036-006).....	72.27	
27 29 00 00-1849	EA		AC Power Extension/Splitter Cable, C20 to (x2) C19, 100-250V, 20A, 12AWG, SJTW - 6 ft. (Tripp Lite P036-006-2C19).....	112.41	
27 29 00 00-1850	EA		1' AC Splitter Cable, 20A, 10AWG, SJTOW, 250V, L6-20P/2xL6-20R (Tripp Lite P039-001-2).....	281.02	
27 29 00 00-1851	EA		6ft 12AWG Heavy Duty Power Cord IEC-320-C19 to NEMA L6-20P 6' (Tripp Lite P040-006).....	60.22	
27 29 00 00-1852	EA		AC Cord, C19 to L6-20P, 20A, 12AWG - 10' (Tripp Lite P040-010).....	100.37	
27 29 00 00-1853	EA		14ft 12AWG Heavy Duty Power Cord IEC-320-C19 to NEMA L6-20P 14' (Tripp Lite P040-014).....	140.51	
27 29 00 00-1854	EA		AC Splitter Cable, 30A, 10AWG, SJT, 250V - 1' (Tripp Lite P041-001-2).....	341.24	
27 29 00 00-1855	EA		8ft 10AWG Heavy Duty Power Extension Cord L6-30P to L6-30R 8' (Tripp Lite P041-008).....	148.54	
27 29 00 00-1856	EA		AC Adapter, L5-30P/L5-20R, 20A, 10AWG, SJTW, 125V (Tripp Lite P043-002).....	281.02	
27 29 00 00-1857	EA		AC Power Adapter Cable (NEMA L5-20R - NEMA 5/20P) - 6' (Tripp Lite P044-061).....	48.17	
27 29 00 00-1858	EA		AC Cord, C19 to L5-20P, 20A, 12AWG - 10' (Tripp Lite P045-010).....	76.27	
27 29 00 00-1859	EA		6in 12AWG Hvy Dty Power Adptr Cord 100-250V 20A L5-20P to 5-20R (Tripp Lite P046-06N).....	52.19	
27 29 00 00-1860	EA		AC Power Cord, C19/C14, 100-230V,15A,14AWG SJT - 2' (Tripp Lite P047-002).....	44.15	
27 29 00 00-1861	EA		AC Power Cord, C19/C14, 100-230V,15A,14AWG SJT - 4' (Tripp Lite P047-004).....	56.20	
27 29 00 00-1862	EA		AC Power Cord, C19/C14, 100-230V,15A,14AWG SJT - 6' (Tripp Lite P047-006).....	66.25	
27 29 00 00-1863	EA		AC Cord, C19 to C14, 15A, 14AWG - 10' (Tripp Lite P047-010).....	80.29	
27 29 00 00-1864	EA		AC Cord, C19 to 5-20P, 20A, 12AWG - 10' (Tripp Lite P049-010).....	88.32	
27 29 00 00-1865	EA		AC Power Cable (International) (IEC-320-C19 - BS1363 SHUKO Plug) - 8' (Tripp Lite P050-008).....	64.24	
27 29 00 00-1866	EA		AC Power Cable (International) (IEC-320-C19 - BS1363 UK Plug) - 8' (Tripp Lite P052-008).....	68.25	
27 29 00 00-1867	EA		AC Power Cord, SCHUKO CEE7/7 to C13, 250V, 10A - 6' (Tripp Lite P054-006).....	28.10	
27 29 00 00-1868	EA		AC Power Cord, BS1363 (UK) to C13, 250V, 10A - 6' (Tripp Lite P056-006).....	32.12	
27 29 00 00-1869	EA		AC Power Cord, CEE7/7 SHUKO to C5, 250V, 2.5A - 6 ft. (Tripp Lite P058-006).....	40.15	
27 29 00 00-1870	EA		AC Power Cord, BS1363 (UK) to C5, 250V, 2.5A - 6 ft. (Tripp Lite P060-006).....	56.20	
27 29 00 00-1871	EA		10ft IEC309 to C19 Power Cord (Tripp Lite P070-010).....	160.58	
27 29 00 00-1872	EA		AT Serial Gold Adapter DB9F/25M (Tripp Lite P100-000-R).....	3.01	

		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1873	EA	AT-PS/2 Keyboard Adapter DIN5F/MinDIN6M (Tripp Lite P106-000).....	2.60	
27 29 00 00-1874	EA	PS/2-AT Keyboard Adapter DIN5M/MinDIN6F (Tripp Lite P108-000-R).....	4.02	
27 29 00 00-1875	EA	Combo-Mouse Serial-PS/2 Adapter MinDIN6M/DB9M (Tripp Lite P110-000-R).....	1.80	
27 29 00 00-1876	EA	Combo-Mouse Serial-PS/2 Adapter MinDIN6F/DB9F (Tripp Lite P112-000).....	4.02	
27 29 00 00-1877	EA	DVI-D M to DVI-D F Adapter (Tripp Lite P118-000).....	24.09	
27 29 00 00-1878	EA	DVI Adapter - DVI Analog Plug to HD15F (Tripp Lite P120-000).....	18.47	
27 29 00 00-1879	EA	DVI Adapter - DVI-A(M)/x2 HD15(F) (Tripp Lite P120-001-2).....	40.15	
27 29 00 00-1880	EA	DVI Adapter - DVI Digital Plug to DFP Receptacle (Tripp Lite P122-000).....	20.07	
27 29 00 00-1881	EA	DVI Adapter - DVI Analog Receptacle to HD15M (Tripp Lite P126-000).....	19.27	
27 29 00 00-1882	EA	HDMI to DVI Gold Adapter - HDMI-F to DVI M (Tripp Lite P130-000).....	36.14	
27 29 00 00-1883	EA	6 inch Micro HDMI to VGA Converter Adapter Plug And Play 1080p 6" (Tripp Lite P131-06N-MICRO).....	120.44	
27 29 00 00-1884	EA	DVI to HDMI Gold Adapter - DVI F to HDMI-M (Tripp Lite P132-000).....	36.14	
27 29 00 00-1885	EA	DisplayPort to DVI Adapter (Tripp Lite P134-000).....	74.26	
27 29 00 00-1886	EA	Displayport to VGA Adapter 6in (Tripp Lite P134-06N-VGA).....	92.34	
27 29 00 00-1887	EA	DisplayPort to HDMI Adapter (Tripp Lite P136-000).....	78.28	
27 29 00 00-1888	EA	Mini Displayport to DVI Adapter 6" TAA / GSA (Tripp Lite P137-06N-DVI).....	64.24	
27 29 00 00-1889	EA	Tripp Lite Keyspan 6 inch Mini Displayport to HDMI Adapter 6" TAA GSA (Tripp Lite P137-06N-HDMI).....	64.24	
27 29 00 00-1890	EA	Mini Displayport to VGA Adapter 6" TAA / GSA (Tripp Lite P137-06N-VGA).....	76.27	
27 29 00 00-1891	EA	Mini-DVI to DVI Adapter (Tripp Lite P138-000-DVI).....	52.19	
27 29 00 00-1892	EA	Mini-DVI to HDMI Adapter (Tripp Lite P138-000-HDMI).....	52.19	
27 29 00 00-1893	EA	Mini Displayport to Display port Adapter Mini DP M to DP Female (Tripp Lite P139-06N-DP).....	36.14	
27 29 00 00-1894	EA	HDMI Female to Mini HDMI Male Adapter Full 1080p Support (Tripp Lite P142-000-MINI).....	32.12	
27 29 00 00-1895	EA	HDMI Male to Female Swivel Adapter Up / Down (Tripp Lite P142-000-UD).....	18.06	
27 29 00 00-1896	EA	HDMI Right Angle Up Adapter / Coupler, Male to Female (Tripp Lite P142-000-UP).....	15.25	
27 29 00 00-1897	EA	Compact Gold Gender Changer DB9F/F (Tripp Lite P150-000).....	8.43	
27 29 00 00-1898	EA	Compact Gold Gender Changer DB9M/M (Tripp Lite P152-000).....	8.03	
27 29 00 00-1899	EA	Compact Gold Gender Changer DB25F/F (Tripp Lite P154-000).....	9.04	
27 29 00 00-1900	EA	Compact Gold Gender Changer DB25M/M (Tripp Lite P156-000).....	11.05	
27 29 00 00-1901	EA	Compact Gold Gender Changer HD15M/M (Tripp Lite P158-000).....	11.05	
27 29 00 00-1902	EA	Compact Gold Gender Changer HD15F/F (Tripp Lite P160-000).....	11.05	
27 29 00 00-1903	EA	Gender Changer DVI-D F/F (Tripp Lite P162-000).....	40.15	
27 29 00 00-1904	EA	Gender Changer HDMI F/F (Tripp Lite P164-000).....	24.09	
27 29 00 00-1905	EA	HDMI Keystone Snap-in Wallplate Coupler Gold Plated HDMI F/F (Tripp Lite P164-000-KJ-WH).....	24.09	
27 29 00 00-1906	EA	HDMI Right Angle Gender Changer Coupler - HDMI Female/Female (Tripp Lite P164-000-UP).....	16.05	
27 29 00 00-1907	EA	HDMI v1.3 Active Wallplate with Signal Booster (Tripp Lite P166-001-A).....	160.58	
27 29 00 00-1908	EA	HDMI v1.3 Passive Wallplate (Tripp Lite P166-001-P).....	68.25	
27 29 00 00-1909	EA	HDMI over Cat5 Wallplate Extension Kit (Tripp Lite P167-000).....	260.95	
27 29 00 00-1910	EA	Compact Displayport Gender Changer / Coupler (Display port F/F) (Tripp Lite P168-000).....	32.12	
27 29 00 00-1911	EA	PS/2 Keyboard/Mouse Extension Cable MinDIN6M/F - 6' (Tripp Lite P222-006).....	6.83	
27 29 00 00-1912	EA	PS/2 Keyboard/Mouse Extension Cable MinDIN6M/F - 10' (Tripp Lite P222-010).....	10.04	
27 29 00 00-1913	EA	PS/2 Keyboard/Mouse Extension Cable MinDIN6M/F - 15' (Tripp Lite P222-015).....	12.05	
27 29 00 00-1914	EA	PS/2 Keyboard/Mouse Extension Cable MinDIN6M/F - 25' (Tripp Lite P222-025).....	24.09	
27 29 00 00-1915	EA	PS/2 Keyboard/Mouse Extension Cable MinDIN6M/F - 50' (Tripp Lite P222-050).....	40.15	
27 29 00 00-1916	EA	PS/2 Keyboard/Mouse Y Cable MinDIN6M/2xF - 1' (Tripp Lite P230-001).....	20.07	
27 29 00 00-1917	EA	6ft Male to 3.5mm Female Mini Stereo Audio Extension Cable 6' (Tripp Lite P311-006).....	8.43	
27 29 00 00-1918	EA	10ft Male to 3.5mm Female Mini Stereo Audio Extension Cable 10' (Tripp Lite P311-010).....	10.43	
27 29 00 00-1919	EA	25ft Male to 3.5mm Female Mini Stereo Audio Extension Cable 25' (Tripp Lite P311-025).....	18.88	
27 29 00 00-1920	EA	Mini Stereo Dubbing Cord 3.5mm M/M - 6' (Tripp Lite P312-006).....	8.03	
27 29 00 00-1921	EA	Mini Stereo Dubbing Cord 3.5mm M/M - 10' (Tripp Lite P312-010).....	9.63	
27 29 00 00-1922	EA	Mini Stereo Dubbing Cord 3.5mm M/M - 25' (Tripp Lite P312-025).....	18.06	
27 29 00 00-1923	EA	Mini Stereo Dubbing Cord 3.5mm M/M - 50' (Tripp Lite P312-050).....	28.10	
27 29 00 00-1924	EA	Mini Stereo Dubbing Cord Y Adapter 3.5mm M to (2) 3.5mm F - 1' (Tripp Lite P313-001).....	16.05	
27 29 00 00-1925	EA	Audio Cable Y Adapter 3.5mm - M/2xRCA-M - 6' (Tripp Lite P314-006).....	7.23	
27 29 00 00-1926	EA	Audio Cable Y Adapter 3.5mm - M/2xRCA-M - 12' (Tripp Lite P314-012).....	8.83	
27 29 00 00-1927	EA	Audio Cable Y Adapter 3.5mm M to (x2) RCA F - 6 ft. (Tripp Lite P315-006).....	7.03	
27 29 00 00-1928	EA	10-Pack of 10" Hook and Loop Cable Ties (Tripp Lite P350-10N-10).....	12.05	
27 29 00 00-1929	EA	Serial Modem Gold Cable DB25F/M - 6' (Tripp Lite P402-006-R).....	2.81	
27 29 00 00-1930	EA	AT Serial Modem Gold Cable DB9F/25M - 6' (Tripp Lite P404-006).....	9.43	
27 29 00 00-1931	EA	Fax/Modem Silver Flat Patch Cable RJ11M/M - 7' (Tripp Lite P410-007-SR).....	4.02	
27 29 00 00-1932	EA	RJ11 In-Line Coupler RJ11F/F (Tripp Lite P420-001).....	3.22	
27 29 00 00-1933	EA	Null Modem Adapter Kit - RJ45 F to DB9 F - 2pk (Tripp Lite P450-000).....	40.15	
27 29 00 00-1934	EA	Null Modem Gold Cable DB9F/F - 6' (Tripp Lite P450-006).....	11.23	
27 29 00 00-1935	EA	Null Modem Gold Cable DB9F/F - 10 ft. (Tripp Lite P450-010).....	13.24	
27 29 00 00-1936	EA	Null Modem Gold Cable DB9M/F - 6' (Tripp Lite P454-006).....	12.05	
27 29 00 00-1937	EA	Null Modem Gold Cable DB9F/25M - 6' (Tripp Lite P456-006).....	13.65	
27 29 00 00-1938	EA	SVGA Mon Ext Cbl w RGB coax HD15 (M/F) - 6' (Tripp Lite P500-006).....	20.87	
27 29 00 00-1939	EA	SVGA Monitor Extension Gold Cable w RGB coax HD15M/F - 10' (Tripp Lite P500-010).....	37.74	
27 29 00 00-1940	EA	SVGA Mon Ext Gold Cbl w RGB coax HD15 (M/F) - 25' (Tripp Lite P500-025).....	56.20	
27 29 00 00-1941	EA	SVGA Monitor Extension Cable w RGB coax HD15M/F - 50' (Tripp Lite P500-050).....	102.37	
27 29 00 00-1942	EA	SVGA Monitor Extension Cable w RGB coax HD15M/F - 50' (Tripp Lite P500-075).....	148.54	
27 29 00 00-1943	EA	SVGA Monitor Extension Cable w RGB coax HD15M/F - 100' (Tripp Lite P500-100).....	170.62	
27 29 00 00-1944	EA	SVGA EZ-Pull Gold Monitor Extension Cable w RGB Coax, HD15M/F, 50' (Tripp Lite P501-050).....	200.73	
27 29 00 00-1945	EA	SVGA EasyPull Monitor Extension Cable w RGB Coax - 100' (Tripp Lite P501-100).....	361.32	
27 29 00 00-1946	EA	SVGA/XVGA Monitor Gold Cable w RGB Coax HD15M/M - 1 ft. (Tripp Lite P502-001).....	18.88	
27 29 00 00-1947	EA	SVGA/XVGA Monitor Gold Cable w RGB Coax HD15M/M - 3' (Tripp Lite P502-003).....	20.48	
27 29 00 00-1948	EA	SVGA/XVGA Gold Right-Angle Monitor Cable With RGB Coax - 3' (Tripp Lite P502-003-RA).....	28.10	
27 29 00 00-1949	EA	3ft SVGA / VGA Compact RGB Coax Monitor Cable (HD15 M/M) 3' (Tripp Lite P502-003-SM).....	22.08	
27 29 00 00-1950	EA	SVGA Monitor Cbl w RGB Coax HD15 (M/M) - 6' (Tripp Lite P502-006).....	22.48	
27 29 00 00-1951	EA	SVGA/XVGA Gold Right-Angle Monitor Cable With RGB Coax - 6' (Tripp Lite P502-006-RA).....	30.11	
27 29 00 00-1952	EA	6ft SVGA / VGA Compact RGB Coax Monitor Cable (HD15 M/M) 6' (Tripp Lite P502-006-SM).....	23.28	
27 29 00 00-1953	EA	SVGA/XVGA Monitor Gold Cable w RGB Coax HD15M/M - 10' (Tripp Lite P502-010).....	38.14	
27 29 00 00-1954	EA	SVGA/XVGA Gold Right-Angle Monitor Cable With RGB Coax - 10' (Tripp Lite P502-010-RA).....	44.15	
27 29 00 00-1955	EA	SVGA Monitor Cable w RGB Coax HD15M/M - 15' (Tripp Lite P502-015).....	52.19	
27 29 00 00-1956	EA	SVGA Monitor Gold Cbl w RGB Coax HD15 (M/M) - 25' (Tripp Lite P502-025).....	56.20	
27 29 00 00-1957	EA	XVGA Plenum Rated Monitor Gold Cable w RGB Coax HD15M/M - 25' (Tripp Lite P502-025-P).....	281.02	

## 27 Communications

## 27 20 Data Communications

## 27 29 Data Communications Network Systems

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
27 29 00 00-1958	EA SVGA/XVGA Gold Right-Angle Monitor Cable With RGB Coax - 25' (Tripp Lite P502-025-RA).....	64.24	
27 29 00 00-1959	EA SVGA Monitor Cable w RGB Coax HD15M/M - 50' (Tripp Lite P502-050).....	104.37	
27 29 00 00-1960	EA XVGA Plenum Rated Monitor Gold Cable w RGB Coax HD15M/M - 50' (Tripp Lite P502-050-P).....	602.19	
27 29 00 00-1961	EA SVGA Monitor Gold Cable w RGB Coax HD15M/M - 100' (Tripp Lite P502-100).....	172.63	
27 29 00 00-1962	EA SVGA EZ-Pull Gold Monitor Cable w RGB Coax, HD15M/M, 50' (Tripp Lite P503-050).....	200.73	
27 29 00 00-1963	EA SVGA EasyPull Monitor Cable w RGB Coax - 100' (Tripp Lite P503-100).....	361.32	
27 29 00 00-1964	EA 3ft SVGA/VGA RGB Coax Monitor Cable w Aud HD15 M/M, 3.5mm M/M 3' (Tripp Lite P504-003-SM).....	40.15	
27 29 00 00-1965	EA 6ft SVGA/VGA Monitor + Audio Cable w Coax (HD15 M/M, 3.5mm M/M) (Tripp Lite P504-006).....	40.95	
27 29 00 00-1966	EA 6ft SVGA/VGA RGB Coax Monitor Cable w Aud HD15 M/M, 3.5mm M/M 6' (Tripp Lite P504-006-SM).....	48.17	
27 29 00 00-1967	EA 10' XVGA Monitor/Audio Cable w Coax HD15M/M, 3.5mm M/M (Tripp Lite P504-010).....	64.24	
27 29 00 00-1968	EA 15ft SVGA/VGA Monitor + Audio Cable w Coax (HD15 M/M, 3.5mm M/M) (Tripp Lite P504-015).....	80.29	
27 29 00 00-1969	EA 25 XVGA Monitor/Audio Cable w Coax HD15M/M, 3.5mm M/M (Tripp Lite P504-025).....	120.44	
27 29 00 00-1970	EA 25 XVGA Monitor/Audio Plenum Cable w Coax HD15M/M, 3.5mm M/M (Tripp Lite P504-025-P).....	301.10	
27 29 00 00-1971	EA SVGA Monitor Cable with RGB Coax and Audio - HD15(M)/M - 50' (Tripp Lite P504-050).....	240.88	
27 29 00 00-1972	EA SVGA EasyPull Monitor Coax Cable w Audio - 50' (Tripp Lite P504-050-EZ).....	260.95	
27 29 00 00-1973	EA SVGA EasyPull Monitor Coax Cable w Audio - 100' (Tripp Lite P504-100-EZ).....	401.46	
27 29 00 00-1974	EA VGA Monitor Extension Gold Cable HD15M/F - 6' (Tripp Lite P510-006).....	14.86	
27 29 00 00-1975	EA VGA Monitor Extension Gold Cable HD15M/F - 10' (Tripp Lite P510-010).....	15.25	
27 29 00 00-1976	EA VGA Monitor Extension Gold Cable HD15M/F - 15' (Tripp Lite P510-015).....	18.88	
27 29 00 00-1977	EA VGA Monitor Extension Gold Cable HD15M/F - 25' (Tripp Lite P510-025).....	28.10	
27 29 00 00-1978	EA VGA Monitor Gold Cable HD15M/M - 6' (Tripp Lite P512-006).....	12.85	
27 29 00 00-1979	EA VGA Monitor Gold Cable HD15M/M - 10' (Tripp Lite P512-010).....	16.05	
27 29 00 00-1980	EA VGA/XVGA Monitor Y Splitter HD15M/2XF (Tripp Lite P516-001).....	28.10	
27 29 00 00-1981	EA VGA/XVGA Monitor Y Splitter (High Resolution) - HD15(M)/ x2 (F) - 1' (Tripp Lite P516-001-HR).....	36.14	
27 29 00 00-1982	EA CGA/EGA Monitor/Mouse Extension Cable DB9M/F - 6' (Tripp Lite P520-006).....	9.23	
27 29 00 00-1983	EA 6-ft. CGA/EGA Monitor/Serial Mouse Extension Display Cable DB9F to DB9M (Tripp Lite P520-006-R).....	3.61	
27 29 00 00-1984	EA 3ft DVI to VGA Cable DVI Male to HD15 Male 3' (Tripp Lite P556-003).....	26.09	
27 29 00 00-1985	EA DVI Cable, DVI Male to HD15M - 6 ft. (Tripp Lite P556-006).....	28.10	
27 29 00 00-1986	EA 10ft DVI to VGA Cable DVI Male to HD15 Male 10' (Tripp Lite P556-010).....	40.15	
27 29 00 00-1987	EA 3ft DVI Dual Link TMDS Cable (DVI-D M/M) 3' (Tripp Lite P560-003).....	32.12	
27 29 00 00-1988	EA DVI Dual Link TMDS Cable, DVI-D M/M - 6 ft. (Tripp Lite P560-006).....	34.13	
27 29 00 00-1989	EA DVI Dual Link TMDS Cable With Audio - DVI-D, 3.5 - 6' (Tripp Lite P560-006-A).....	40.15	
27 29 00 00-1990	EA DVI Dual Link TMDS Cable, DVI-D M/M - 10 ft. (Tripp Lite P560-010).....	44.15	
27 29 00 00-1991	EA DVI Dual Link TMDS Cable With Audio - DVI-D, 3.5mm M/M - 10' (Tripp Lite P560-010-A).....	52.19	
27 29 00 00-1992	EA DVI Dual Link TMDS Cable- DVI-D M/M - 15' (Tripp Lite P560-015).....	64.24	
27 29 00 00-1993	EA DVI Dual Link TMDS Cable- DVI-D M/M - 20' (Tripp Lite P560-020).....	88.32	
27 29 00 00-1994	EA DVI Dual Link TMDS Cable - DVI-D(M)/(M) - 25' (Tripp Lite P560-025).....	116.42	
27 29 00 00-1995	EA DVI Dual Link TMDS Cable- DVI-D M/M - 50' (15M) (Tripp Lite P560-050).....	180.66	
27 29 00 00-1996	EA DVI Dual Link TMDS Cable- DVI-D M/M - 100' (30M) (Tripp Lite P560-100).....	321.17	
27 29 00 00-1997	EA DVI Single Link TMDS Cable, DVI-D M/M - 6 ft. (Tripp Lite P561-006).....	40.15	
27 29 00 00-1998	EA DVI Single Link TMDS Cable, DVI-D M/M - 10 ft. (Tripp Lite P561-010).....	52.19	
27 29 00 00-1999	EA DVI Single Link TMDS Cable- DVI-D M/M - 50' (15M) (Tripp Lite P561-050).....	140.51	
27 29 00 00-2000	EA DVI EasyPull Cable Single link (TMDS) - 50' (Tripp Lite P561-050-EZ).....	240.88	
27 29 00 00-2001	EA 75ft DVI Single Link TMDS Cable DVI-D M/M 75' (Tripp Lite P561-075).....	248.90	
27 29 00 00-2002	EA DVI Single Link TMDS Cable- DVI-D M/M - 100' (30M) (Tripp Lite P561-100).....	260.95	
27 29 00 00-2003	EA DVI EasyPull Cable Single link (TMDS) - 100' (Tripp Lite P561-100-EZ).....	401.46	
27 29 00 00-2004	EA 100ft DVI High Definition Single Link TMDS Cable DVI-D M/M 100' (Tripp Lite P561-100-HD).....	481.75	
27 29 00 00-2005	EA DVI Dual Link 45deg Left Extension Cable - DVI-D M/F - 1' (Tripp Lite P562-001-45L).....	40.15	
27 29 00 00-2006	EA DVI Dual Link Extension Cable, DVI-DI M/F - 6 ft. (Tripp Lite P562-006).....	46.16	
27 29 00 00-2007	EA DVI Dual Link Splitter Cable - DVI-D(M) / DVI-I x2 (F) - 1' (Tripp Lite P564-001).....	60.22	
27 29 00 00-2008	EA HDMI to DVI Gold Digital Video Cable HDMI-M/DVI-M - 6 ft. (Tripp Lite P566-006).....	60.22	
27 29 00 00-2009	EA HDMI to DVI Gold Digital Video Cable HDMI-M/DVI-M - 10 ft. (Tripp Lite P566-010).....	72.27	
27 29 00 00-2010	EA HDMI to DVI Gold Digital Video Cable HDMI-M / DVI-M - 16' (Tripp Lite P566-016).....	96.36	
27 29 00 00-2011	EA 3ft HDMI Gold Digital Video Cable 3' (Tripp Lite P568-003).....	19.27	
27 29 00 00-2012	EA HDMI Gold Digital Video Cable (Flat) - HDMI(M)/(M) - 3' (Tripp Lite P568-003-FL).....	40.15	
27 29 00 00-2013	EA Swivel HDMI Premium Gold Cable - HDMI M/M - 3 ft. (Tripp Lite P568-003-SW).....	40.15	
27 29 00 00-2014	EA HDMI Gold Digital Video Cable HDMI M/M - 6 ft. (Tripp Lite P568-006).....	24.09	
27 29 00 00-2015	EA HDMI Gold Digital Video Cable (Flat) - HDMI(M)/(M) - 6' (Tripp Lite P568-006-FL).....	48.17	
27 29 00 00-2016	EA 6ft HDMI Gold Straight to Right-Angle Digital Video Cable (HDMI M/HDMI Right-Angle M) (Tripp Lite P568-006-RA).....	42.16	
27 29 00 00-2017	EA Right-Angle HDMI Gold Digital Video Cable HDMI M/M - 6' (Tripp Lite P568-006-RA2).....	44.15	
27 29 00 00-2018	EA Swivel HDMI Premium Gold Cable - HDMI M/M - 6 ft. (Tripp Lite P568-006-SW).....	52.19	
27 29 00 00-2019	EA HDMI Gold Digital Video Cable HDMI M/M - 10 ft. (Tripp Lite P568-010).....	40.15	
27 29 00 00-2020	EA HDMI Gold Digital Video Cable (Flat) - HDMI(M)/(M) - 10' (Tripp Lite P568-010-FL).....	64.24	
27 29 00 00-2021	EA Swivel HDMI Gold Video Cable - HDMI M/M - 10 ft. (Tripp Lite P568-010-SW).....	68.25	
27 29 00 00-2022	EA 12ft High Speed HDMI Gold Digital Video Cable HDMI M/M 12' (Tripp Lite P568-012).....	42.16	
27 29 00 00-2023	EA HDMI Gold Digital Video Cable HDMI M/M - 16' (Tripp Lite P568-016).....	64.24	
27 29 00 00-2024	EA Flat HDMI Gold Video Cable HDMI M/M - 16' (Tripp Lite P568-016-FL).....	96.36	
27 29 00 00-2025	EA HDMI Gold Digital Video Cable - HDMI(M)/(M) - 25' (Tripp Lite P568-025).....	100.37	
27 29 00 00-2026	EA 25ft Easy Pull High Speed HDMI Digital Video Cable HDMI M/M 25' (Tripp Lite P568-025-EZ).....	200.73	
27 29 00 00-2027	EA HDMI Gold Digital Video Cable - HDMI(M)/(M) - 50' (Tripp Lite P568-050).....	200.73	
27 29 00 00-2028	EA HDMI EasyPull Digital Video Cable - 50' (Tripp Lite P568-050-EZ).....	301.10	
27 29 00 00-2029	EA HDMI Gold Digital Video Cable - HDMI M/M - Plenum Rated - 50' (Tripp Lite P568-050-P).....	923.36	
27 29 00 00-2030	EA HDMI Gold Digital Video Cable - HDMI(M)/(M) - 100' (Tripp Lite P568-100).....	401.46	
27 29 00 00-2031	EA HDMI EasyPull Digital Video Cable - 100' (Tripp Lite P568-100-EZ).....	562.05	
27 29 00 00-2032	EA High Definition HDMI Gold Digital Video Cable, HDMI M/M - 100ft (Tripp Lite P568-100-HD).....	642.34	
27 29 00 00-2033	EA 3ft High Speed With Ethernet HDMI Cable (HDMI M/M) 3' (Tripp Lite P569-003).....	40.15	
27 29 00 00-2034	EA 6' High Speed With Ethernet HDMI Cable (HDMI M/M) (Tripp Lite P569-006).....	52.19	
27 29 00 00-2035	EA 10' High Speed With Ethernet HDMI Cable (HDMI M/M) (Tripp Lite P569-010).....	60.22	
27 29 00 00-2036	EA 16' High Speed With Ethernet HDMI Cable (HDMI M/M) (Tripp Lite P569-016).....	88.32	
27 29 00 00-2037	EA 25' High Speed With Ethernet HDMI Cable (HDMI M/M) (Tripp Lite P569-025).....	152.56	
27 29 00 00-2038	EA 3ft HDMI to Micro HDMI High Speed w Ethernet Vid / Aud Cable 3' (Tripp Lite P570-003-MICRO).....	32.12	
27 29 00 00-2039	EA 6ft HDMI to Micro HDMI High Speed w Ethernet Vid / Aud Cable 6' (Tripp Lite P570-006-MICRO).....	40.15	
27 29 00 00-2040	EA 3ft High Speed with Ethernet HDMI to Mini HDMI Cable 3' (Tripp Lite P571-003-MINI).....	36.14	
27 29 00 00-2041	EA 6ft High Speed with Ethernet HDMI to Mini HDMI Cable 6' (Tripp Lite P571-006-MINI).....	52.19	
27 29 00 00-2042	EA HDMI TO Mini Gold Digital Video Cable - Mini HDMI(M)/(M) - 6' (Tripp Lite P572-006).....	52.19	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2043	EA			DMS59 to (2) HD15 Splitter Cable - 1' (Tripp Lite P574-001) .....	56.20	
27 29 00 00-2044	EA			DMS59 to (2) DVI-I Splitter Cable - 1' (Tripp Lite P576-001) .....	56.20	
27 29 00 00-2045	EA			3ft Displayport Monitor Cable M/M 3' (Tripp Lite P580-003) .....	52.19	
27 29 00 00-2046	EA			Displayport Device Cable - 6' (Tripp Lite P580-006) .....	60.22	
27 29 00 00-2047	EA			Displayport Device Cable - 10' (Tripp Lite P580-010) .....	80.29	
27 29 00 00-2048	EA			Displayport Device Cable - 15' (Tripp Lite P580-015) .....	128.47	
27 29 00 00-2049	EA			DisplayPort to DVI Single-Link Device Cable - 6' (Tripp Lite P581-006) .....	104.37	
27 29 00 00-2050	EA			DisplayPort M to DVI-D Single-Link M Cable - 10 ft. (Tripp Lite P581-010) .....	128.47	
27 29 00 00-2051	EA			3ft Mini Displayport to Displayport Cable 2560 x 1600 3' (Tripp Lite P583-003) .....	40.15	
27 29 00 00-2052	EA			6ft Mini Displayport to Displayport Cable 2560 x 1600 6' (Tripp Lite P583-006) .....	44.15	
27 29 00 00-2053	EA			10ft Mini Displayport to Displayport Cable 2560 x 1600 10' (Tripp Lite P583-010) .....	52.19	
27 29 00 00-2054	EA			3ft Mini Displayport to Mini Displayport Cable 2560 x 1600 3' (Tripp Lite P584-003) .....	40.15	
27 29 00 00-2055	EA			6ft Mini Displayport to Mini Displayport Cable 2560 x 1600 6' (Tripp Lite P584-006) .....	44.15	
27 29 00 00-2056	EA			10ft Mini Displayport to Mini Displayport Cable 2560 x 1600 10' (Tripp Lite P584-010) .....	52.19	
27 29 00 00-2057	EA			Bidirectional Parallel Printer A/B Cable DB25M/Cen36M - 10' (Tripp Lite P602-010) .....	17.26	
27 29 00 00-2058	EA			IEEE1284 Gold Parallel Printer A/B Cable DB25M/Cen36M - 3' (Tripp Lite P606-003) .....	20.68	
27 29 00 00-2059	EA			IEEE1284 Gold Parallel Printer A/B Cable DB25M/Cen36M - 6' (Tripp Lite P606-006) .....	21.68	
27 29 00 00-2060	EA			IEEE1284 Gold Parallel Printer A/B Cable DB25M/Cen36M - 10' (Tripp Lite P606-010) .....	28.10	
27 29 00 00-2061	EA			IEEE1284 Gold Parallel Printer A/B Cable DB25M/Cen36M - 15' (Tripp Lite P606-015) .....	34.13	
27 29 00 00-2062	EA			IEEE1284 Parallel Printer A-C Cable DB25M/Cen36M - 6' (Tripp Lite P608-006) .....	22.08	
27 29 00 00-2063	EA			IEEE 1284 Switch Gold Cable DB25M/M - 6' (Tripp Lite P710-006) .....	26.09	
27 29 00 00-2064	EA			PS/2 Cable Kit for KVM Switch B004-008 - 6' (Tripp Lite P750-006) .....	37.53	
27 29 00 00-2065	EA			PS/2 Cable Kit for KVM Switch B004-008 - 10' (Tripp Lite P750-010) .....	52.19	
27 29 00 00-2066	EA			PS/2 Cable Kit for KVM Switch B004-008 - 15' (Tripp Lite P750-015) .....	66.25	
27 29 00 00-2067	EA			KVM PS/2 Slim Cable Kit for B004-002/4, B005-002/4 And B007-008 - 6' (Tripp Lite P753-006) .....	38.54	
27 29 00 00-2068	EA			KVM PS/2 Slim Cable Kit for B004-002/4, B005-002/4 And B007-008 - 10' (Tripp Lite P753-010) .....	55.20	
27 29 00 00-2069	EA			KVM PS/2 Slim Cable Kit for B004-002/4, B005-002/4 And B007-008 - 15' (Tripp Lite P753-015) .....	80.29	
27 29 00 00-2070	EA			PS/2 Cable Kit for KVM Switch B007-008 - 10' (Tripp Lite P754-010) .....	55.20	
27 29 00 00-2071	EA			KVM USB with Audio Cable Kit for B006-VUA4-K-R - 10 ft. (Tripp Lite P756-010) .....	80.29	
27 29 00 00-2072	EA			KVM PS/2 with Audio Cable Kit for B006-VUA4-K-R - 10 ft. (Tripp Lite P757-010) .....	80.29	
27 29 00 00-2073	EA			USB Cable Kit for KVM Switch B006-004-R - 6' (Tripp Lite P758-006) .....	37.74	
27 29 00 00-2074	EA			USB Cable Kit for KVM Switch B006-004-R - 10' (Tripp Lite P758-010) .....	46.16	
27 29 00 00-2075	EA			6ft Cable Kit for B002-DUA2 / B002-DUA4 Secure KVM Switches 6' (Tripp Lite P759-006) .....	96.36	
27 29 00 00-2076	EA			10ft Cable Kit for B002-DUA2 / B002-DUA4 Secure KVM Switches 10' (Tripp Lite P759-010) .....	128.47	
27 29 00 00-2077	EA			15ft Cable Kit for B002-DUA2 / B002-DUA4 Secure KVM Switches 15' (Tripp Lite P759-015) .....	160.58	
27 29 00 00-2078	EA			KVM Daisy-Chain Cable for the B060-Series KVM Switches - 13' (Tripp Lite P770-013) .....	200.73	
27 29 00 00-2079	EA			KVM Daisy-Chain Cable for the B060-Series KVM Switches - 10m (Tripp Lite P770-10M) .....	401.46	
27 29 00 00-2080	EA			Daisy-Chain Cable Kit for KVM Switches B020-016, B020-008 and B022-016 (Tripp Lite P772-002) .....	72.27	
27 29 00 00-2081	EA			KVM Daisychain Cable for B020-016, B020-008 And B022-016 - 6' (Tripp Lite P772-006) .....	120.44	
27 29 00 00-2082	EA			KVM Daisy Chain Cable for B020 Series and B022-016 - 15' (Tripp Lite P772-015) .....	220.80	
27 29 00 00-2083	EA			PS/2 Cable Kit for "B020-" and "B022-" series KVM Switches - 6' (Tripp Lite P774-006) .....	65.44	
27 29 00 00-2084	EA			PS/2 Cable Kit for "B020-" and "B022-" series KVM Switches - 10' (Tripp Lite P774-010) .....	99.16	
27 29 00 00-2085	EA			PS/2 Cable Kit for "B020-" and "B022-" series KVM Switches - 15' (Tripp Lite P774-015) .....	121.65	
27 29 00 00-2086	EA			KVM PS/2 Cable Kit for B020/B022 Series Switches - 25' (Tripp Lite P774-025) .....	170.62	
27 29 00 00-2087	EA			USB Cable Kit for "B020-" and "B022-" series KVM Switches - 6' (Tripp Lite P776-006) .....	83.51	
27 29 00 00-2088	EA			USB Cable Kit for "B020-" and "B022-" series KVM Switches - 10' (Tripp Lite P776-010) .....	116.42	
27 29 00 00-2089	EA			KVM USB Cable Kit for B020/B022 Series Switches - 19' (Tripp Lite P776-019) .....	154.16	
27 29 00 00-2090	EA			KVM USB-PS2 Combo Cable Kit for the B020/22-U08/16 Series Switches - 6ft (Tripp Lite P778-006) .....	55.40	
27 29 00 00-2091	EA			KVM USB/PS2 Combo Cable Kit for the B020/22-UXX Series Switches - 10ft (Tripp Lite P778-010) .....	68.25	
27 29 00 00-2092	EA			KVM USB/PS2 Combo Cable Kit for the B020/22-UXX Series Switches - 15ft (Tripp Lite P778-015) .....	92.34	
27 29 00 00-2093	EA			KVM USB/PS2 Cable for B040 And B042 KVMs (includes USB AF to PS/2 M adapter) - 6' (Tripp Lite P780-006) .....	52.99	
27 29 00 00-2094	EA			KVM USB/PS2 Cable for B040 And B042 KVMs (includes USB AF to PS/2 M adapter) - 10' (Tripp Lite P780-010) .....	69.45	
27 29 00 00-2095	EA			KVM USB/PS2 Cable for B040 And B042 KVMs (includes USB AF to PS/2 M adapter) - 15' (Tripp Lite P780-015) .....	93.94	
27 29 00 00-2096	EA			KVM Daisychain Cable for the B040/42 Series KVM Switches - 3' (Tripp Lite P781-003) .....	72.27	
27 29 00 00-2097	EA			KVM Daisychain Cable for the B040/42 Series KVM Switches - 6' (Tripp Lite P781-006) .....	80.29	
27 29 00 00-2098	EA			KVM Daisychain Cable for the B040/42 Series KVM Switches - 10' (Tripp Lite P781-010) .....	96.36	
27 29 00 00-2099	EA			KVM Daisychain Cable for the B040/42 Series KVM Switches - 16' (Tripp Lite P781-016) .....	120.44	
27 29 00 00-2100	EA			UATA/UDMA EIDE 2-Drive Ribbon Cable 3x40sok - 18" (Tripp Lite P906-18I) .....	13.05	
27 29 00 00-2101	EA			UATA/UDMA EIDE 2-Drive Ribbon Cable 3x40sok - 18" (Bulk) (Tripp Lite P906-18I-BP) .....	10.04	
27 29 00 00-2102	EA			UATA/UDMA EIDE 2-Drive Ribbon Cable 3x40sok - 24" (Tripp Lite P906-24I) .....	9.63	
27 29 00 00-2103	EA			UATA/UDMA EIDE 2-Drive Ribbon Cable 3x40sok - 26" (Tripp Lite P906-26I) .....	14.06	
27 29 00 00-2104	EA			Power Y Splitter 5.25" Cable - 6" (Tripp Lite P920-006) .....	5.02	
27 29 00 00-2105	EA			Universal CD ROM Audio Cable Assembly - 26" (Tripp Lite P930-26I) .....	3.41	
27 29 00 00-2106	EA			IDE to Serial ATA (SATA) Converter (Tripp Lite P936-000) .....	52.19	
27 29 00 00-2107	EA			8" Serial ATA (SATA) Latching Signal Cable (Tripp Lite P940-08I) .....	8.03	
27 29 00 00-2108	EA			Serial ATA (SATA) Signal Cable - 19" (Tripp Lite P940-19I) .....	10.04	
27 29 00 00-2109	EA			Serial ATA (SATA) Signal Cable - 39" (Tripp Lite P940-39I) .....	11.23	
27 29 00 00-2110	EA			Serial ATA (SATA) Signal Cable, 7-pin Connector straight/up - 19" (Tripp Lite P941-19I) .....	9.63	
27 29 00 00-2111	EA			Serial ATA (SATA) Signal Cable, 7-pin Connector straight/down - 19" (Tripp Lite P942-19I) .....	9.63	
27 29 00 00-2112	EA			Serial ATA (SATA) Signal Cable, 7-pin Connector up/down - 19" (Tripp Lite P943-19I) .....	9.63	
27 29 00 00-2113	EA			Serial ATA (SATA) Power Cable - 6" (Tripp Lite P944-06I) .....	7.63	
27 29 00 00-2114	EA			Serial ATA (SATA) Power Adapter/Ext Cable - 4pin/4pin And 15pin SATA - 6" (Tripp Lite P945-06I) .....	12.05	
27 29 00 00-2115	EA			Serial ATA (SATA) Dual Power Adapter Cable - 4pin/2x15pin SATA - 12" (Tripp Lite P946-12I) .....	12.05	
27 29 00 00-2116	EA			Serial ATA II (SATA II) Signal Cable, 2x7-pin Straight Connector - 2m (Tripp Lite P950-02M) .....	28.90	
27 29 00 00-2117	EA			Serial ATA II Signal Cable, 2x7-pin Straight Connector - 18" (Tripp Lite P950-18I) .....	16.05	
27 29 00 00-2118	EA			Serial ATA II Signal Cable, 2x7-pin Straight Connector - 39" (Tripp Lite P950-36I) .....	20.07	
27 29 00 00-2119	EA			eSATA to SATA Signal Cable With Bracket, 7P-M/7P-M, 2' (Tripp Lite P952-002) .....	23.28	
27 29 00 00-2120	EA			eSATA to SATA Signal Cable - 3' (Tripp Lite P952-003) .....	20.07	
27 29 00 00-2121	EA			eSATA to SATA Signal Cable - 18" (Tripp Lite P952-18I) .....	17.26	
27 29 00 00-2122	EA			120 Volt, 15 Amperes (13) 5-15R AC Receptacles (1) 15 Amperes Circuit Breaker 5-15P Input Plug 15 ft. Cord (Tripp Lite PDU1215) .....	154.55	
27 29 00 00-2123	EA			120 Volt, 20 Amperes (13) 5- 20 R AC Receptacles (1) 20 Amperes Circuit Breaker 5- 20 P Input Plug 15 ft. Cord (Tripp Lite PDU1220) .....	248.86	
27 29 00 00-2124	EA			120 Volt, 20 Amperes (13) 5- 20 R AC Receptacles (1) 20 Amperes Circuit Breaker L5- 20 P Input Plug 15 ft. Cord (Tripp Lite PDU1220T) .....	256.71	

## 27 Communications

## 27 20 Data Communications

## 27 29 Data Communications Network Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2125	EA		208 Volt, 30 Amperes (12) C-13 AC Receptacles (3) 10 Amperes Circuit Breakers L6- 30 P Input Plug 15 ft. Cord (Tripp Lite PDU1230).....	426.98	
27 29 00 00-2126	EA		100-240 Volt, 20 Amperes (12) C-13/ (2) C19 AC Receptacles (2) 16 Amperes Circuit Breakers C-20+ Input Plug N/A Cord (Tripp Lite PDU12IEC) .....	345.78	
27 29 00 00-2127	EA		120 Volt, 15 Amperes (14) 5-15R AC Receptacles (1) 15 Amperes Circuit Breaker 5-15P Input Plug 15 ft. Cord (Tripp Lite PDU1415).....	288.15	
27 29 00 00-2128	EA		120 Volt, 20 Amperes (14) 5-15R AC Receptacles (1) 20 Amperes Circuit Breaker L5- 20 P Input Plug 15 ft. Cord (Tripp Lite PDU1420T).....	293.39	
27 29 00 00-2129	EA		120 Volt, 30 Amperes (24) 5-15R AC Receptacles (2) 15 Amperes Circuit Breakers L5- 30 P Input Plug 15 ft. Cord (Tripp Lite PDU2430) .....	426.98	
27 29 00 00-2130	EA		PDU 3-Phase Metered 208V 12.6 kW Hubbell 36 C13; 6 C19 0URM (Tripp Lite PDU3MV6H50).....	1,309.77	
27 29 00 00-2131	EA		PDU 3-Phase Metered 208V 14.4kW 36 C13; 6 C19; 3 L6-30R OURM (Tripp Lite PDU3MV6H50A).....	1,833.68	
27 29 00 00-2132	EA		PDU 3-Phase Metered 208/120V 5.7 Kw 36 C13; 6 C19; 6 5-15/20R 0U (Tripp Lite PDU3MV6L2120).....	812.06	
27 29 00 00-2133	EA		PDU 3-Phase Metered 208/120V 5.7 kW 21 5-15/20R; 6 L6-20R 0URM (Tripp Lite PDU3MV6L2120B).....	838.25	
27 29 00 00-2134	EA		PDU 3-Phase Metered 120V 5.7 kW 42 5-15/20R L21-20P 0URM (Tripp Lite PDU3MV6L2120LV).....	812.06	
27 29 00 00-2135	EA		PDU 3-Phase Metered 208V / 120V 36 C13; 6 C19; 6 5-15/20R 0URM (Tripp Lite PDU3MV6L2130).....	1,178.79	
27 29 00 00-2136	EA		PDU 3-Phase Monitored 208V 8.6kVA IEC-309 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10G30).....	1,600.54	
27 29 00 00-2137	EA		PDU 3-Phase Monitored 208V 12.6kVA IEC-309 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10G60).....	2,038.00	
27 29 00 00-2138	EA		PDU 3-Phase Monitored 208V 12.6kVA Hubbell 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10H50).....	1,833.68	
27 29 00 00-2139	EA		PDU 3-Phase Monitored 208V 5.7kVA L15-20P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10L1520).....	1,338.58	
27 29 00 00-2140	EA		PDU 3-Phase Monitored 208V 8.6kVA L15-30P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10L1530).....	1,542.91	
27 29 00 00-2141	EA		PDU 3-Phase Monitored 208V 5.7kVA L21-20P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10L2120).....	1,092.35	
27 29 00 00-2142	EA		PDU 3-Phase Monitored 120V 5.7kVA L21-20P 36 5-15/20R 0U RM (Tripp Lite PDU3VN10L2120LV).....	1,019.00	
27 29 00 00-2143	EA		PDU 3-Phase Monitored 208V 8.6kVA L21-30P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10L2130).....	1,542.91	
27 29 00 00-2144	EA		PDU 3-Phase Monitored 208V 8.6kVA IEC-309 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3G30).....	1,542.91	
27 29 00 00-2145	EA		PDU 3-Phase Monitored 208V 12.6kVA IEC-309 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3G60).....	1,980.37	
27 29 00 00-2146	EA		PDU 3-Phase Monitored 208V 12.6kVA Hubbell 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3H50).....	1,776.05	
27 29 00 00-2147	EA		PDU 3-Phase Monitored 208V 5.7kVA L15-20P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3L1520).....	1,309.77	
27 29 00 00-2148	EA		PDU 3-Phase Monitored 208V 8.6kVA L15-30P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3L1530).....	1,485.28	
27 29 00 00-2149	EA		PDU 3-Phase Monitored 208V 5.7kVA L21-20P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3L2120).....	1,047.82	
27 29 00 00-2150	EA		PDU 3-Phase Monitored 120V 5.7kVA L21-20P 36 5-15/20R 0U RM (Tripp Lite PDU3VN3L2120LV).....	961.37	
27 29 00 00-2151	EA		PDU 3-Phase Monitored 208V 8.6kVA L21-20P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3L2130).....	1,485.28	
27 29 00 00-2152	EA		PDU 3-Phase Switched 208V 8.6kVA IEC-309 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10G30).....	2,299.96	
27 29 00 00-2153	EA		PDU 3-Phase Switched 208V 12.6kVA IEC-309 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10G60).....	2,590.73	
27 29 00 00-2154	EA		PDU 3-Phase Switched 208V 12.6kVA Hubbell 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10H50).....	2,444.03	
27 29 00 00-2155	EA		PDU 3-Phase Switched 208V 5.7kVA L15-20P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10L1520).....	1,948.94	
27 29 00 00-2156	EA		PDU 3-Phase Switched 208V 8.6kVA L15-30P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10L1530).....	2,242.33	
27 29 00 00-2157	EA		PDU 3-Phase Switched 208V 5.7kVA L21-20P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10L2120).....	1,886.07	
27 29 00 00-2158	EA		PDU 3-Phase Switched 208V 8.6kVA L21-30P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10L2130).....	2,242.33	
27 29 00 00-2159	EA		PDU 3-Phase Switched 208V 8.6kVA IEC-309 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3G30).....	2,242.33	
27 29 00 00-2160	EA		PDU 3-Phase Switched 208V 12.6kVA IEC-309 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3G60).....	2,533.10	
27 29 00 00-2161	EA		PDU 3-Phase Switched 208V 12.6kVA Hubbell 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3H50).....	2,386.40	
27 29 00 00-2162	EA		PDU 3-Phase Switched 208V 5.7kVA L15-20P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3L1520).....	1,891.31	
27 29 00 00-2163	EA		PDU 3-Phase Switched 208V 8.6kVA L15-30P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3L1530).....	2,182.08	
27 29 00 00-2164	EA		PDU 3-Phase Switched 208V 5.7kVA L21-20P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3L2120).....	1,833.68	
27 29 00 00-2165	EA		PDU 3-Phase Switched 208V 8.6kVA L21-30P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3L2130).....	2,182.08	
27 29 00 00-2166	EA		PDU Intl 3-Phase Monitored 230V 11kVA IEC-309 30 C13; 6 C19 0U RM 10ft Cord (Tripp Lite PDU3XVN10G16).....	1,833.68	
27 29 00 00-2167	EA		PDU Intl 3-Phase Monitored 230V 11kVA IEC-309 30 C13; 6 C19 0U RM 3ft Cord (Tripp Lite PDU3XVN3G16).....	1,781.29	
27 29 00 00-2168	EA		PDU Intl 3-Phase Monitored 230V 11kVA IEC-309 30 C13; 6 C19 0U RM 3ft Cord (Tripp Lite PDU3XVSR10G16).....	2,357.59	
27 29 00 00-2169	EA		PDU Intl 3-Phase Switched 230V 11kVA IEC-309 21 C13; 3 C19 0U RM 3ft Cord (Tripp Lite PDU3XVSR3G16).....	2,305.20	
27 29 00 00-2170	EA		120 Volt, 40 (2x20) Amperes (24 (2x12)) 5-15R AC Receptacles (2) 20 Amperes Circuit Breakers (2) L5- 20 P Input Plug 15 ft. Cord (Tripp Lite PDU40TDUAL).....	453.18	
27 29 00 00-2171	EA		Power Distribution Unit Dual Source With Hot Swap 100-127 Volt, 12 Amperes, 5-15R 8 Outlet 2U RM (Tripp Lite PDUB15).....	385.07	
27 29 00 00-2172	EA		PDU Dual Source Hot Swap 100-127V 16A 5-15/20R 8 Outlet 2U RM (Tripp Lite PDUB20).....	440.08	
27 29 00 00-2173	EA		PDU Dual Source Hot Swap 100-127V 24A 5-15/20R And L5-30R 7 Out 2U RM (Tripp Lite PDUB30).....	880.17	
27 29 00 00-2174	EA		PDU Dual Source Hot Swap 200-240V 10A C13 C14 8 Outlet 2U RM (Tripp Lite PDUBHV10).....	413.89	
27 29 00 00-2175	EA		PDU Dual Source Hot Swap 200-240V 16A C13 C19 8 Outlet 2U RM (Tripp Lite PDUBHV20).....	495.09	
27 29 00 00-2176	EA		PDU Basic Dual Volt 100-240V 20A 2 C19; 12 C13 Outlet 1U 0U RM (Tripp Lite PDUH20DV).....	256.71	
27 29 00 00-2177	EA		PDU Basic 208V / 240V 20A C19 C13 14 Outlet L6-20P 1U RM (Tripp Lite PDUH20HVL6).....	256.71	
27 29 00 00-2178	EA		120 Volt, 15 Amperes (13) 5-15R AC Receptacles (1) 15 Amperes Circuit Breaker 5-15P Input Plug 15 ft. Cord (Tripp Lite PDUMH15).....	206.94	
27 29 00 00-2179	EA		120 Volt, 15 Amperes (8) 5-15R AC Receptacles (1) 15 Amperes Circuit Breaker 5-15P,C-13 Input Plug 12 ft. Cord (Tripp Lite PDUMH15AT).....	678.46	
27 29 00 00-2180	EA		Digital Power Distribution Unit PDU 8 NEMA 5-15R 15A And Web Card (Tripp Lite PDUMH15ATNET).....	1,110.68	
27 29 00 00-2181	EA		208/230 Volt, 15 Amperes (8) C13 AC Receptacles C14 Input Plug 6.5 ft. Cord (Tripp Lite PDUMH15HVNET).....	840.87	
27 29 00 00-2182	EA		PDU Switched 120V 15A 5-15R 16 Outlet 1U RM (Tripp Lite PDUMH15NET).....	943.03	
27 29 00 00-2183	EA		Digital Power Distribution Unit 1U RM PDU 12 NEMA5-15/20R 20A (Tripp Lite PDUMH20).....	298.63	
27 29 00 00-2184	EA		120 Volt, 20 Amperes (16) 5-15R/20R AC Receptacles (1) 20 Amperes Circuit Breaker 5-20P,C-19 Input Plug 12 ft. Cord (Tripp Lite PDUMH20AT).....	872.31	
27 29 00 00-2185	EA		Digital Power Distribution Unit PDU 16 NEMA 5-15/20R 20A And Web Card (Tripp Lite PDUMH20ATNET).....	1,260.00	
27 29 00 00-2186	EA		PDU Metered 200-240V 20A 8 C13; 2 C19 Outlet L6-20P 1U RM (Tripp Lite PDUMH20HV).....	332.68	
27 29 00 00-2187	EA		PDU Metered ATS 200V-240V 20A 8 C13; 2 C19 2 C20 Horizontal 1URM (Tripp Lite PDUMH20HVAT).....	812.06	
27 29 00 00-2188	EA		Power Distribution Unit Switched With ATS 200 Volt - 240 Volt, 16 Amperes C13 / C19 10 Outlet 1U RM (Tripp Lite PDUMH20HVATNET).....	1,561.25	
27 29 00 00-2189	EA		208/230 Volt, 20 Amperes (8) C13 AC Receptacles C20/L6-20P Input Plug 8.5 ft. Cord (Tripp Lite PDUMH20HVNET).....	1,102.83	
27 29 00 00-2190	EA		PDU Switched 120V 20A 5-15/20R 16 Outlet 1U RM (Tripp Lite PDUMH20NET).....	1,060.91	
27 29 00 00-2191	EA		PDU Metered 120V 30A 5-15/20R 12 Outlet L5-30P 1U RM (Tripp Lite PDUMH30).....	489.85	
27 29 00 00-2192	EA		PDU Metered ATS 120V 30A 24 5-15/20R; 1 L5-30R 2URM (Tripp Lite PDUMH30AT).....	1,144.74	
27 29 00 00-2193	EA		PDU Switched ATS 120V 30A 24 5-15/20R; 1 L5-30R 2URM (Tripp Lite PDUMH30ATNET).....	1,741.99	
27 29 00 00-2194	EA		PDU Metered 208/240V 24A L6-30P 16 C13; 2 C19 Outlet 2U RM (Tripp Lite PDUMH30HV).....	722.99	
27 29 00 00-2195	EA		PDU Switched 208V - 240V 30A C13 / C19 14 Outlet 2U RM (Tripp Lite PDUMH30HV19NET).....	1,516.71	
27 29 00 00-2196	EA		PDU Metered ATS 208/240V 30A 16 C13; 2 C19; 1 L6-30R 2U RM (Tripp Lite PDUMH30HVAT).....	1,210.23	
27 29 00 00-2197	EA		PDU Switched ATS 208/240V 30A 16 C13; 2 C19; 1 L6-30R 2U RM (Tripp Lite PDUMH30HVATNET).....	1,982.99	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2198 EA 208 Volt, 30 Amperes (16) C13 AC Receptacles (2) 15 Amperes Circuit Breakers L6-30P Input Plug 10 ft. Cord (Tripp Lite PDUMH30HVNET) .....	1,440.75	
27 29 00 00-2199 EA 120 Volt, 30 Amperes (16) 5-15/20R AC Receptacles (2) 20 Amperes Circuit Breakers L5-30P Input Plug 10 ft. Cord (Tripp Lite PDUMH30NET) .....	1,333.35	
27 29 00 00-2200 EA PDU Metered 230V 7.3kVA 32A IEC-309 16 C13; 2 C19 2U RM (Tripp Lite PDUMH32HV).....	581.54	
27 29 00 00-2201 EA PDU Switched 230V 32A 7.3kVA IEC-309 16 C13 Outlet 2U RM (Tripp Lite PDUMH32HVNET) .....	1,469.56	
27 29 00 00-2202 EA PDU Monitored 120 Volt 15 Amperes (8) 5-15R AC Receptacles 5-15P Input Plug 12ft. Cord (Tripp Lite PDUMNH15).....	686.32	
27 29 00 00-2203 EA PDU Monitored 120 Volt 20 Amperes (8) 5-15 / 20R AC Receptacles 5-20P / L5-20P Input Plug 12 ft. Cord (Tripp Lite PDUMNH20).....	788.48	
27 29 00 00-2204 EA PDU Monitored 208-240V 20A C13 8 Outlet L6-20P 1U RM (Tripp Lite PDUMNH20HV).....	759.67	
27 29 00 00-2205 EA PDU Monitored 120V 30A 5-15/20R 16 Outlet 2U RM (Tripp Lite PDUMNH30).....	1,207.61	
27 29 00 00-2206 EA PDU Monitored 208/240V 30A L6-30P 12 C13; 4 C19 Outlet 2U RM (Tripp Lite PDUMNH30HV).....	1,223.33	
27 29 00 00-2207 EA PDU Monitored 230V 7.3kVA 32A IEC-309 12 C13; 4 C19 2U RM (Tripp Lite PDUMNH32HV).....	1,239.04	
27 29 00 00-2208 EA Digital Power Distribution Unit, 120 Volt, 15 Amperes, Vertical With Real Time Remote Monitoring (Tripp Lite PDUMNV15).....	730.85	
27 29 00 00-2209 EA Digital Power Distribution Unit, 120 Volt, 20 Amperes, Vertical PDU With Real Time Remote Monitoring (Tripp Lite PDUMNV20).....	812.06	
27 29 00 00-2210 EA Digital Power Distribution Unit, 208/240 Volt, 20 Amperes, Vertical PDU With Real Time Remote Monitoring (Tripp Lite PDUMNV20HV).....	817.30	
27 29 00 00-2211 EA PDU Monitored 200V-240V 20A 18 C13; 2 C19 C20 Vertical 0URM (Tripp Lite PDUMNV20HV2).....	890.64	
27 29 00 00-2212 EA Digital Power Distribution Unit, 120 Volt, 30 Amperes, Vertical PDU With Real Time Remote Monitoring (Tripp Lite PDUMNV30).....	880.17	
27 29 00 00-2213 EA Digital Power Distribution Unit, 208/240 Volt, 30 Amperes Vertical With/ Real Time Remote Monitoring (Tripp Lite PDUMNV30HV).....	1,037.34	
27 29 00 00-2214 EA PDU Monitored 208V / 240V 30A 36 C13; 6 C19 Outlet Vertical 0URM (Tripp Lite PDUMNV30HV2).....	1,100.21	
27 29 00 00-2215 EA 120 Volt, 15 Amperes (16) 5-15R AC Receptacles (1) 15 Amperes Circuit Breaker 5-15P Input Plug 15 ft. Cord (Tripp Lite PDUMV15).....	235.76	
27 29 00 00-2216 EA 120 Volt, 15 Amperes (16) 5-15/20R AC Receptacles 5-15P Input Plug 10 ft. Cord (Tripp Lite PDUMV15NET) .....	1,239.04	
27 29 00 00-2217 EA 120 Volt, 20 Amperes (16) 5-15R/20R AC Receptacles (1) 20 Amperes Circuit Breaker L5-20P Input Plug 15 ft. Cord (Tripp Lite PDUMV20).....	285.53	
27 29 00 00-2218 EA 208/230 Volt, 20 Amperes (32) C13/ (6) C19 AC Receptacles L6-20P Input Plug 10 ft. Cord (Tripp Lite PDUMV20HV).....	408.65	
27 29 00 00-2219 EA 208/230 Volt, 20 Amperes (21) C13/(3) C19 AC Receptacles L6-20P Input Plug 10 ft. Cord (Tripp Lite PDUMV20HVNET) .....	1,472.18	
27 29 00 00-2220 EA PDU Switched 208V - 240V 20A 7 C13; 1 C19 C20 Vertical 0URM (Tripp Lite PDUMV20HVNET2).....	1,309.77	
27 29 00 00-2221 EA 120 Volt, 20 Amperes (24) 5-15/20R AC Receptacles (1) 20 Amperes Circuit Breakers L5-20P/5-20P Input Plug 10 ft. Cord (Tripp Lite PDUMV20NET).....	1,294.05	
27 29 00 00-2222 EA 120 Volt, 30 Amperes (24) 5-15/20R AC Receptacles (2) 20 Amperes Circuit Breakers L5-30P Input Plug 10 ft. Cord (Tripp Lite PDUMV30).....	571.06	
27 29 00 00-2223 EA 208 Volt, 30 (2x15) Amperes (32) C13/ 6 C19 AC Receptacles (2) 15 Amperes Circuit Breakers L6-30P Input Plug 10 ft. Cord (Tripp Lite PDUMV30HV).....	563.20	
27 29 00 00-2224 EA 208 Volt, 30 Amperes (20) C13/ (4) C19 AC Receptacles (2) 15 Amperes Circuit Breakers L6-30P Input Plug 10 ft. Cord (Tripp Lite PDUMV30HVNET).....	1,652.93	
27 29 00 00-2225 EA 120 Volt, 30 Amperes (24) 5-15/20R AC Receptacles (2) 20 Amperes Circuit Breakers L6-30P Input Plug 10 ft. Cord (Tripp Lite PDUMV30NET).....	1,540.29	
27 29 00 00-2226 EA PDU Switched 230V 30A C13 C19 24 Outlet 0U RM (Tripp Lite PDUMV32HVNET) .....	1,650.31	
27 29 00 00-2227 EA 120 Volt, 40(2x20) Amperes 32(2x16) 5-15R/20R AC Receptacles (2) 20 Amperes Circuit Breaker L5-20P, 5-20P Input Plug 20 ft. (2x10) Cord (Tripp Lite PDUMV40).....	571.06	
27 29 00 00-2228 EA PDU Bracket Allows for 90 Degree Installation (Tripp Lite PDUMVROTATEBRKT).....	75.97	
27 29 00 00-2229 EA 100-240 Volt, 20 Amperes (12) C-13/ (2) C19 AC Receptacles (2) 20 Amperes Circuit Breakers C-13, C19, L5- 20 P, L6- 20 P, 5-15P Input Plug 6 ft. Cord (Tripp Lite PDUNV).....	353.64	
27 29 00 00-2230 EA Rack Enclosure Vertical Installation Kit PDU, Surge, Power Strip (Tripp Lite PDUSIDEBRKT).....	61.12	
27 29 00 00-2231 EA Basic Power Distribution Unit Vertical PDU 12 NEMA 5-15R 15-Ampere (Tripp Lite PDUV15).....	162.41	
27 29 00 00-2232 EA PDU Basic 120 Volt 20 Amperes (12) 5-15 / 20R AC Receptacles (1) 20 Amperes Circuit Breaker 5-20P Input Plug 15 ft. Cord (Tripp Lite PDUV20).....	230.52	
27 29 00 00-2233 EA 280 Volt, 30 (2x15) Amperes (32) C-13/ (6) C19 AC Receptacles (2) 15 Amperes Circuit Breakers L6-30P Input Plug 10 ft. Cord (Tripp Lite PDUV30HV).....	531.77	
27 29 00 00-2234 EA Notebook Peripheral Kit (Keyboard, Mouse and Hub). (Tripp Lite PK3020KB).....	91.39	
27 29 00 00-2235 EA Notebook Peripheral Kit (Light, Mouse and Hub). (Tripp Lite PK3021LI).....	80.33	
27 29 00 00-2236 EA Notebook Peripheral Kit (Network Cable, Mouse and Hub). (Tripp Lite PK3022ET).....	68.69	
27 29 00 00-2237 EA Relocatable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, 3 line protection, noise filter. 450 joules. Beige Without tabs (Tripp Lite PM6NS) .....	44.53	
27 29 00 00-2238 EA Relocatable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, 3 line protection, noise filter. 450 joules. Beige Without tabs (Tripp Lite PM6SN1) .....	41.91	
27 29 00 00-2239 EA 500VA Low Profile Tower UPS for Kiosks, POS And PC's (Tripp Lite POS500) .....	251.48	
27 29 00 00-2240 EA DC Power Supply 120 Volt AC Input to 13.8 Volt DC Output For 30 Watt Transmitters 10 Amperes (Tripp Lite PR10).....	176.96	
27 29 00 00-2241 EA DC Power Supply 120 Volt AC Input to 13.8 Volt DC Output For 40 Watt Transmitters 12 Amperes (Tripp Lite PR12).....	188.02	
27 29 00 00-2242 EA DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For 50 Watt Transmitters 15 Amperes (Tripp Lite PR15).....	268.21	
27 29 00 00-2243 EA DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For 60 Watt Transmitters 20 Amperes (Tripp Lite PR20).....	290.33	
27 29 00 00-2244 EA DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For 75/100 Watt Transmitters 25 Amperes (Tripp Lite PR25).....	364.99	
27 29 00 00-2245 EA DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For Home Use 3 Amperes (Tripp Lite PR3).....	73.27	
27 29 00 00-2246 EA DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output for Home Use 3 Amperes (Tripp Lite PR3/UL).....	113.37	
27 29 00 00-2247 EA DC Power Supply 120 Volt AC Input to 13.8 Volt DC Output for 125 Watt Transmitters 30 Amperes (Tripp Lite PR30).....	381.58	
27 29 00 00-2248 EA DC Power Supply 120 Volt AC Input to 13.8 Volt DC Output for Home Use 4.5 Amperes (Tripp Lite PR4.5) .....	88.48	
27 29 00 00-2249 EA DC Power Supply 120 Volt AC Input to 13.8 Volt DC Output for 150/200 Watt Transmitters 40 Amperes (Tripp Lite PR40).....	488.03	
27 29 00 00-2250 EA DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For 225 Watt Transmitters 50 Amperes (Tripp Lite PR50).....	547.48	
27 29 00 00-2251 EA DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For 250/300 Watt Transmitters 60 Amperes (Tripp Lite PR60).....	641.50	
27 29 00 00-2252 EA DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output for Home Use 7 Amperes (Tripp Lite PR7).....	123.70	

## 27 Communications

## 27 20 Data Communications

## 27 29 Data Communications Network Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2253	EA		EZ Presenter (Tripp Lite PR-EZ1).....	83.68	
27 29 00 00-2254	EA		Pro Presenter (Tripp Lite PR-PRO3).....	145.53	
27 29 00 00-2255	EA		Keyspan Presentation Remote Pro 4 w Gyro Mouse, Laser And Audio (Tripp Lite PR-PRO4) .....	183.95	
27 29 00 00-2256	EA		Presentation Remote (Tripp Lite PR-US2) .....	114.24	
27 29 00 00-2257	EA		8 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite PS2408) .....	86.15	
27 29 00 00-2258	EA		12 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite PS3612) .....	93.14	
27 29 00 00-2259	EA		12 outlets Hardwired Multiple Outlet Strip 20-Amperes (Tripp Lite PS3612-20HW) .....	88.48	
27 29 00 00-2260	EA		Power Strip 120V 5-15R 4 Outlet 10ft Cord 5-15P (Tripp Lite PS410) .....	25.61	
27 29 00 00-2261	EA		Power Strip Hospital Grade 4 Outlet UL1363A 3ft-10ft Coiled Cord (Tripp Lite PS-410-HGOEMCC) .....	197.92	
27 29 00 00-2262	EA		Power Strip Medical Cord Wrap Drip Shield 4 Outlet 10ft Cord (Tripp Lite PS410HGOEMX) .....	223.39	
27 29 00 00-2263	EA		Power Distribution Strip. 15 ft. cord. 4 hospital-grade outlets and hospital-grade plug. (Tripp Lite PS-415-HG).....	133.89	
27 29 00 00-2264	EA		Power Distribution Strip. 15 ft. cord. 4 hospital-grade outlets and hospital-grade plug. Mounting tabs. (Tripp Lite PS-415-HG-OEM).....	133.89	
27 29 00 00-2265	EA		Power Distribution Strip. 15 ft. cord. 4 hospital-grade outlets (with hospital-grade FAULT PROTECTION GFCI) and hospital-grade plug. (Tripp Lite PS-415-HGULTRA) .....	195.01	
27 29 00 00-2266	EA		16 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite PS4816) .....	107.11	
27 29 00 00-2267	EA		4 Port USB Print Server (Tripp Lite PS-4A).....	209.56	
27 29 00 00-2268	EA		Relocateable Power Taps, 6 outlets, 4' cord, Plastic-Duplex Series, master on/off switch. White color Without tabs (Tripp Lite PS6).....	14.67	
27 29 00 00-2269	EA		20 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite PS6020) .....	123.41	
27 29 00 00-2270	EA		Power Distribution Strip. 1½ ft. cord. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite PS-602-HG) .....	94.59	
27 29 00 00-2271	EA		Power Distribution Strip. 6 ft. cord. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite PS-606-HG).....	148.44	
27 29 00 00-2272	EA		Power Strip 120V 5-15R 6 Outlet 15ft Cord 5-15P (Tripp Lite PS615).....	39.00	
27 29 00 00-2273	EA		Power Distribution Strip. 15 ft. cord. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite PS-615-HG).....	157.17	
27 29 00 00-2274	EA		Power Distribution Strip. 15 ft. cord. 6 hospital-grade outlets and hospital-grade plug. Mounting tabs. (Tripp Lite PS-615-HG-OEM).....	157.17	
27 29 00 00-2275	EA		Power Strip 120V 5-15R 7 Outlet 12ft Cord 5-15P Black (Tripp Lite PS712B).....	37.26	
27 29 00 00-2276	EA		24 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite PS7224) .....	130.39	
27 29 00 00-2277	EA		24 outlets 15' cord Multiple Outlet Strip 20 -Amperes (Tripp Lite PS7224-20) .....	181.62	
27 29 00 00-2278	EA		24 outlets Hardwired Multiple Outlet Strip 20 -Amperes (Tripp Lite PS7224-20HW).....	149.02	
27 29 00 00-2279	EA		24 outlets 15' cord Multiple Outlet Strip with Locking Plug 20 -Amperes (Tripp Lite PS7224-20T) .....	193.26	
27 29 00 00-2280	EA		Medical Power Strip Mounting Clamp Drip Shield And Cord Management (Tripp Lite PSClamp).....	227.03	
27 29 00 00-2281	EA		12V DC to AC Permanent Mount Inverter with User-Supplied Cables 1000 continuous wattage 1500 instantaneous wattage 4 ac outlets (Tripp Lite PV1000HF).....	480.25	
27 29 00 00-2282	EA		12V DC to AC Inverter Plus with Charge/Load LED's 1250 continuous wattage 1875 overpower wattage 2500 doubleboost wattage 2 ac outlets (Tripp Lite PV1250FC).....	628.69	
27 29 00 00-2283	EA		12V DC to AC Portable Inverter with DC Auto Power Outlet 150 continuous wattage 300 instantaneous wattage 1 ac outlet (Tripp Lite PV150) .....	68.40	
27 29 00 00-2284	EA		PV 1,800 Watt, 12 Volt DC To AC, 120 Volt Inverter With 2 GFCI Outlets (Tripp Lite PV1800GFCI).....	748.02	
27 29 00 00-2285	EA		12V DC to AC Permanent Mount Inverter with User-Supplied Cables 1800 continuous wattage 2700 instantaneous wattage 4 ac outlets (Tripp Lite PV1800HF).....	672.35	
27 29 00 00-2286	EA		12V DC to AC Inverter Plus with Charge/Load LED's 2000 continuous wattage 3000 overpower wattage 4000 doubleboost wattage 2 ac outlets (Tripp Lite PV2000FC).....	1,021.62	
27 29 00 00-2287	EA		24 Volt DC to AC Inverter Plus with Charge/Load LED's 2400 continuous wattage 3600 overpower wattage 4800 doubleboost wattage 2 ac outlets (Tripp Lite PV2400FC).....	1,196.26	
27 29 00 00-2288	EA		12V DC to AC Permanent Mount Inverter with User-Supplied Cables 3000 continuous wattage 6000 instantaneous wattage 4 ac outlets (Tripp Lite PV3000).....	1,036.17	
27 29 00 00-2289	EA		PV 3000W 12V DC to AC Inverter Plus with 4 GFCI Outlets (Tripp Lite PV3000GFCI).....	1,426.19	
27 29 00 00-2290	EA		12V DC to AC Portable Inverter with DC Auto Power Outlet 375 continuous wattage 600 instantaneous wattage 2 ac outlets (Tripp Lite PV375).....	107.69	
27 29 00 00-2291	EA		12V DC to AC Portable Inverter with User-Supplied Cables 700 continuous wattage 1400 instantaneous wattage 3 ac outlets (Tripp Lite PV700HF).....	200.83	
27 29 00 00-2292	EA		375W Portable PowerVerter Ultra Compact 230V Universal Outlet (Tripp Lite PVINT375) .....	122.25	
27 29 00 00-2293	EA		Battery Cartridge for Select APC UPS Models (Tripp Lite RBC11A).....	634.98	
27 29 00 00-2294	EA		Battery Cartridge for Select APC UPS Models (Tripp Lite RBC12A).....	642.05	
27 29 00 00-2295	EA		Battery Cartridge for Select Tripp Lite Models (Tripp Lite RBC24-SLT).....	275.05	
27 29 00 00-2296	EA		Battery Cartridge for Select Tripp Lite Smart Online Tower UPS (Tripp Lite RBC24-SUTWR).....	261.95	
27 29 00 00-2297	EA		Battery Cartridge for Select APC UPS Models (Tripp Lite RBC2A).....	71.51	
27 29 00 00-2298	EA		Battery Cartridge for Select Tripp Lite Models (Tripp Lite RBC36-SLT).....	330.06	
27 29 00 00-2299	EA		Battery Cartridge for Select Tripp Lite Smart Online Tower UPS (Tripp Lite RBC48-SUTWR).....	491.16	
27 29 00 00-2300	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC49-2U).....	458.42	
27 29 00 00-2301	EA		Battery Cartridge for Select APC UPS Models (Tripp Lite RBC4A).....	114.47	
27 29 00 00-2302	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC51) .....	94.30	
27 29 00 00-2303	EA		192 Volt DC Replacement Battery Cartridge select Online UPS 4U (Tripp Lite RBC5-192) .....	1,309.77	
27 29 00 00-2304	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC52) .....	75.97	
27 29 00 00-2305	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC53) .....	272.43	
27 29 00 00-2306	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC54) .....	379.83	
27 29 00 00-2307	EA		48 Volt DC Replacement Battery Cartridge for select UPS 2URM (Tripp Lite RBC58-2U) .....	759.67	
27 29 00 00-2308	EA		Battery Cartridge for Select APC UPS Models (Tripp Lite RBC5A).....	131.24	
27 29 00 00-2309	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC62-1U).....	188.61	
27 29 00 00-2310	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC64-1U).....	245.60	
27 29 00 00-2311	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC69-1U).....	309.11	
27 29 00 00-2312	EA		Battery Cartridge for Select APC UPS Models (Tripp Lite RBC6A).....	274.53	
27 29 00 00-2313	EA		Battery Cartridge for Select APC UPS Models (Tripp Lite RBC7A).....	330.06	
27 29 00 00-2314	EA		Battery Cartridge for Select APC UPS Models (Tripp Lite RBC8A).....	350.76	
27 29 00 00-2315	EA		Battery Cartridge for Select Tripp Lite Smart Online Rackmount UPS (Tripp Lite RBC9-192).....	1,519.33	
27 29 00 00-2316	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC92-2U).....	259.33	
27 29 00 00-2317	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC93-2U).....	356.26	
27 29 00 00-2318	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC94-2U).....	491.16	
27 29 00 00-2319	EA		Battery Cartridge for Select Tripp Lite And Other Major UPS Brand (Tripp Lite RBC94-3U).....	424.37	
27 29 00 00-2320	EA		72 Volt DC Replacement Battery Cartridge Select Online UPS 2U (Tripp Lite RBC96-2U).....	523.91	
27 29 00 00-2321	EA		Battery Cartridge for Select Tripp Lite Models (Tripp Lite RBC96-3U).....	487.23	
27 29 00 00-2322	EA		Programmable Relay I/O Card for Smart Online And Pro UPS (Tripp Lite RELAYIOCARD).....	436.59	
27 29 00 00-2323	EA		UPS Internal Contact Closure Management Accessory Card (Tripp Lite RELAYIOMINI).....	291.06	
27 29 00 00-2324	EA		6 (front panel) outlets 19" length, 1U, 15-amperes rackmount, locking switch cover, 15 ft. cord (Tripp Lite RS-0615-F).....	111.77	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	27 29 00 00-2325	EA		6 (rear panel) outlets 19" length, 1U, 15-amperes rackmount, locking switch cover, 15 ft. cord (Tripp Lite RS-0615-R).....	111.77	
	27 29 00 00-2326	EA		12 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite RS-1215).....	111.77	
	27 29 00 00-2327	EA		12 outlets 15' cord Multiple Outlet Strip 20 -Amperes (Tripp Lite RS1215-20).....	146.69	
	27 29 00 00-2328	EA		12 Outlets 15' Cord Multiple Outlet Strip With Locking Plug 20 Amperes (Tripp Lite RS-1215-20T).....	167.65	
	27 29 00 00-2329	EA		Rackmount Power Distribution Strip. 15 ft. cord. 12 hospital-grade outlets (6 front/6 rear) and hospital-grade plug. (Tripp Lite RS1215-HG).....	229.94	
	27 29 00 00-2330	EA		12 outlets 15' cord Multiple Outlet Strip 15-Amperes Right-Angled (Tripp Lite RS1215-RA).....	111.77	
	27 29 00 00-2331	EA		RV 1200W 12V DC to AC Inverter with Isobar Surge UL Tested Hardwired (Tripp Lite RV1250ULHW).....	1,013.76	
	27 29 00 00-2332	EA		Internal/External SCSI 160 LVD Ribbon Cable HD68M/F(w Bracket) - 21" (Tripp Lite S051-21).....	23.28	
	27 29 00 00-2333	EA		Internal SCSI 160 2-Drive LVD/SE Ribbon Cable w Terminator 3xHD68M - 22" (Tripp Lite S052-21).....	58.21	
	27 29 00 00-2334	EA		Internal SCSI 160 3-Drive Ribbon Cable w Terminator 4xHD68M - 36" (Tripp Lite S053-36).....	74.51	
	27 29 00 00-2335	EA		Internal SCSI 160 4-Drive Ribbon Cable w Terminator 5xHD68M - 45" (Tripp Lite S054-45).....	94.07	
	27 29 00 00-2336	EA		Internal SCSI 160 5-Drive LVD/SE Ribbon Cable w Terminator 6xHD68M - 38" (Tripp Lite S055-38).....	111.77	
	27 29 00 00-2337	EA		External Active SCSI II Single-end Terminator - HD50M (Tripp Lite S122-000).....	11.64	
	27 29 00 00-2338	EA		External SCSI Ultra320 LVD Active Terminator - HD68M (Tripp Lite S140-000).....	93.14	
	27 29 00 00-2339	EA		External SCSI Ultra320 LVD Active Terminator - VHDCI68M (Tripp Lite S142-000).....	100.12	
	27 29 00 00-2340	EA		Internal SCSI Adapter HD68F/50F Socket IDC (Tripp Lite S212-000).....	9.31	
	27 29 00 00-2341	EA		External SCSI II Adapter HD50M/DB25F (Tripp Lite S236-000).....	4.19	
	27 29 00 00-2342	EA		SCSI II Cable HD50M/DB25M - 6' (Tripp Lite S362-006).....	14.55	
	27 29 00 00-2343	EA		SCSI II Cable HD50M/M - 6' (Tripp Lite S366-006).....	41.91	
	27 29 00 00-2344	EA		SCSI III Cable HD68M/M - 6' (Tripp Lite S404-006).....	46.57	
	27 29 00 00-2345	EA		SCSI III to II Cable HD50M/HD68M - 6' (Tripp Lite S410-006).....	34.93	
	27 29 00 00-2346	EA		SCSI III Cable VHDCI68M/HD50M - 6' (Tripp Lite S442-006).....	58.21	
	27 29 00 00-2347	EA		SCSI III Cable VHDCI68M/HD68M - 6' (Tripp Lite S444-006).....	65.20	
	27 29 00 00-2348	EA		SCSI III Cable VHDCI68M/M - 6' (Tripp Lite S446-006).....	67.53	
	27 29 00 00-2349	EA		SCSI Ultra2/U160/U320 LVD/SE Cable HD68M/M - 10' (Tripp Lite S450-010).....	88.48	
	27 29 00 00-2350	EA		SCSI Ultra2/U160/U320 LVD/SE Cable Offset -VHDCI68M/HD68M - 6' (Tripp Lite S454-006).....	114.10	
	27 29 00 00-2351	EA		SCSI Ultra2/U160/U320 LVD/SE Cable - CHDC168(M) / HD68(M) - 3' (Tripp Lite S455-003).....	88.48	
	27 29 00 00-2352	EA		SCSI Ultra2/U160/U320 LVD/SE Cable VHDCI68M/HD68M - 6' (Tripp Lite S455-006).....	97.80	
	27 29 00 00-2353	EA		SCSI Ultra2/U160/U320 LVD/SE Cable VHDCI68M/HD68M - 10' (Tripp Lite S455-010).....	121.08	
	27 29 00 00-2354	EA		SCSI Ultra2/U160/U320 LVD/SE Cable Offset -VHDCI68M/M - 3' (Tripp Lite S456-003).....	116.42	
	27 29 00 00-2355	EA		SCSI Ultra2/U160/U320 LVD/SE Cable VHDCI68M/M - 6' (Tripp Lite S457-006).....	100.12	
	27 29 00 00-2356	EA		SCSI Ultra2/U160/U320 LVD/SE Cable VHDCI68M/M - 10' (Tripp Lite S457-010).....	121.08	
	27 29 00 00-2357	EA		1 Meter (3') SAS Cable - SFF-8484 (Tripp Lite S500-01M).....	52.39	
	27 29 00 00-2358	EA		24" Internal 4 Lane SAS Cable SFF-8484 to 4 x SFF-8482 TAA / GSA (Tripp Lite S501-24N).....	66.13	
	27 29 00 00-2359	EA		1 Meter (3') SAS Cable - SFF-8484/ x4 Pin Straight (F) (Tripp Lite S502-01M).....	46.57	
	27 29 00 00-2360	EA		Internal SAS 4-in-1 to 4x1 Cable, 32P to 4x7P - 20IN (Tripp Lite S502-20N).....	34.93	
	27 29 00 00-2361	EA		24" Int 4 Lane Mini SAS Cable , SAS SFF-8087 to 4 x SFF-8482 TAA (Tripp Lite S504-24N).....	58.21	
	27 29 00 00-2362	EA		Internal SAS mSAS (SFF-8087) to mSAS (SFF-8087) 36P/36P Cable - 3' (Tripp Lite S506-003).....	62.87	
	27 29 00 00-2363	EA		Internal SAS mSAS (SFF-8087) to mSAS (SFF-8087) 36P/36P Cable - 18" (Tripp Lite S506-18N).....	55.88	
	27 29 00 00-2364	EA		Internal SAS mSAS (SFF-8087) to (4) SATA (SFF-8482) 36P/(4) 7P Cable - 3' (Tripp Lite S508-003).....	55.88	
	27 29 00 00-2365	EA		Internal SAS mSAS (SFF-8087) to (4) SATA (SFF-8482) 36P/(4) 7P Cable - 18" (Tripp Lite S508-18N).....	53.56	
	27 29 00 00-2366	EA		Internal SAS mSAS (SFF-8087) to 4-in-1 (SFF-8484) 36P/32P Cable - 3' (Tripp Lite S510-003).....	83.83	
	27 29 00 00-2367	EA		Internal SAS mSAS (SFF-8087) to 4-in-1 (SFF-8484) 36P/32P Cable - 18" (Tripp Lite S510-18N).....	72.18	
	27 29 00 00-2368	EA		1 Meter External SAS Cable, SFF-8088 to SFF-8470 (Tripp Lite S520-01M).....	151.35	
	27 29 00 00-2369	EA		External SAS Cable - 4 Lane - mSAS (SFF-8088) to 4xInfiniband (SFF-8470) - 2m (Tripp Lite S520-02M).....	232.85	
	27 29 00 00-2370	EA		External SAS Cable - 4 Lane - mSAS (SFF-8088) to 4xInfiniband (SFF-8470) - 3m (Tripp Lite S520-03M).....	302.70	
	27 29 00 00-2371	EA		1 Meter External SAS Cable, SFF-8470 to SFF-8470 (Tripp Lite S522-01M).....	151.35	
	27 29 00 00-2372	EA		External SAS Cable - 4 Lane - 4xInfiniband (SFF-8470) to 4xInfiniband (SFF-8470) - 2m (Tripp Lite S522-02M).....	256.13	
	27 29 00 00-2373	EA		External SAS Cable - 4 Lane - 4xInfiniband (SFF-8470) to 4xInfiniband (SFF-8470) - 3m (Tripp Lite S522-03M).....	325.99	
	27 29 00 00-2374	EA		1-Meter External SAS Cable, SFF-8088 to SFF-8088 (Tripp Lite S524-01M).....	162.99	
	27 29 00 00-2375	EA		External SAS Cable - 4 Lane - mSAS (SFF-8088) to mSAS (SFF-8088) - 2m (Tripp Lite S524-02M).....	232.85	
	27 29 00 00-2376	EA		External SAS Cable - 4 Lane - mSAS (SFF-8088) to mSAS (SFF-8088) - 3m (Tripp Lite S524-03M).....	291.06	
	27 29 00 00-2377	EA		Fibre/SCSI RAID Cable HSSDCM/DB9M - 5M (Tripp Lite S804-05M).....	174.64	
	27 29 00 00-2378	EA		Security Device for Automatic Shutdown of Notebook. (Tripp Lite SEC4002RF).....	85.57	
	27 29 00 00-2379	EA		Surge Protector Wallmount Direct Plug In 3 Outlet 660 Joules (Tripp Lite SK3-0).....	12.22	
	27 29 00 00-2380	EA		Surge Protector Wallmount Direct Plug In 5 Outlet RJ11 1080 Jls (Tripp Lite SK5TEL-0).....	23.28	
	27 29 00 00-2381	EA		6 outlets direct plug-in cord 360 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite SK6-0/SPIKEBLOK).....	32.02	
	27 29 00 00-2382	EA		Holds 4 transformers (Black) (Tripp Lite SK6-0B).....	32.02	
	27 29 00 00-2383	EA		8 outlets 8' cord 1200 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite SK6-6/SPIKEBAR).....	61.12	
	27 29 00 00-2384	EA		TAA Compliant 1000VA UPS Smart Pro Rack/Tower 6 outlets (Tripp Lite SM1000RM2UTAA).....	1,178.79	
	27 29 00 00-2385	EA		1000VA NAFTA Smart Pro Line-Int UPS Rackmount 6 outlets (Tripp Lite SM1000RMNAFTA).....	1,204.99	
	27 29 00 00-2386	EA		1050VA NAFTA Smart Pro Line-Int UPS Tower 6 outlets (Tripp Lite SM1050NAFTA).....	990.19	
	27 29 00 00-2387	EA		TAA Compliant 1500VA UPS Smart Pro Rack/Tower 8 outlets (Tripp Lite SM1500RMXL2UTAA).....	1,642.45	
	27 29 00 00-2388	EA		2200VA NAFTA Smart Pro Line-Int UPS Tower 6 outlets (Tripp Lite SM2200NAFTA).....	1,781.29	
	27 29 00 00-2389	EA		2200VA UPS Dual Voltage 120V - 230V TAA / GSA (Tripp Lite SM2200RMDVTAA).....	3,858.58	
	27 29 00 00-2390	EA		2200VA NAFTA Smart Pro Line-Int UPS Rackmount 9 outlets (Tripp Lite SM2200RMNAFTA).....	2,247.57	
	27 29 00 00-2391	EA		TAA Compliant 2200VA UPS Smart Pro Rack/Tower 8 outlets (Tripp Lite SM2200RMXL2UTAA).....	2,326.15	
	27 29 00 00-2392	EA		3000VA NAFTA Smart Pro Line-Int UPS Tower 8 outlets (Tripp Lite SM3000NAFTA).....	2,559.29	
	27 29 00 00-2393	EA		3000VA NAFTA Smart Pro Line-Int UPS Rackmount 9 outlets (Tripp Lite SM3000RMNAFTA).....	2,525.24	
	27 29 00 00-2394	EA		TAA Compliant 3000VA UPS Smart Pro Rack/Tower 9 outlets (Tripp Lite SM3000RMXL2UTAA).....	2,719.08	
	27 29 00 00-2395	EA		5000VA UPS Smart 120V - 208V 5kVA Ext USB DB9 6U RM TAA / GSA (Tripp Lite SM5000RT3UTAA).....	8,356.33	
	27 29 00 00-2396	EA		500VA NAFTA Smart Pro Line-Int UPS Rackmount 7 outlets (Tripp Lite SM5000RMNAFTA).....	537.01	
	27 29 00 00-2397	EA		550VA NAFTA Smart Pro Line-Int UPS Tower 6 outlets (Tripp Lite SM5500NAFTA).....	293.39	
	27 29 00 00-2398	EA		750VA NAFTA Smart Pro Line-Int UPS Tower 6 outlets (Tripp Lite SM7500NAFTA).....	379.83	
	27 29 00 00-2399	EA		1050VA UPS System SmartPro Tower Line-Interactive 120V 6 Outlet - 1050 VA, 1 USB (Tripp Lite SMART 1050NET).....	725.61	
	27 29 00 00-2400	EA		2200VA UPS System SmartPro Tower Network Line-Interactive 120V 6 Outlet - 2200 VA, 1 RS-232, 2 Contact Closure (Tripp Lite SMART 2200NET).....	1,723.66	
	27 29 00 00-2401	EA		3000VA UPS System SmartPro Tower Network Line-Interactive 3kVA 120 Volt 8 Outlet - 3000 VA 1 RS-232, 2 Contact Closure (Tripp Lite SMART 3000NET).....	2,226.61	
	27 29 00 00-2402	EA		700VA UPS System SmartPro Hospital Grade Tower Line-Interactive 120V 4 Outlet - 700 VAUL 60601-1 Listed, 1 RS-232, 1 USB (Tripp Lite SMART 700HG).....	1,283.57	

## 27 Communications

## 27 20 Data Communications

## 27 29 Data Communications Network Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2403	EA		1000VA UPS System SmartPro Rack/Shell/Tower Digital LCD Line-Interactive 120V 8 Outlet - 1000 VA, 1 USB, 1 Line Modem/Fax, 1 Line Coax (Tripp Lite SMART1000LCD).....	332.68	
27 29 00 00-2404	EA		TAA Compliant 1000VA UPS Digital Smart Pro Rack/Tower 8 outlets (Tripp Lite SMART1000LCDTAA).....	437.46	
27 29 00 00-2405	EA		1000VA UPS System SmartPro Rack/Tower Line-Interactive 120V 6 Outlet - 1000VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1000RM1U).....	1,189.27	
27 29 00 00-2406	EA		1000VA UPS System SmartPro Rack/Tower Line-Interactive 120V 6 Outlet - 1000VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1000RM2U).....	1,047.82	
27 29 00 00-2407	EA		1050VA UPS System SmartPro Tower Line-Interactive 120 Volt, 8 Outlet And Slot - 1050 VA, 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1050SLT).....	851.35	
27 29 00 00-2408	EA		TAA Compliant 1050VA UPS Smart Pro Tower 6 outlets & Comm Ports (Tripp Lite SMART1050SLTAA).....	943.03	
27 29 00 00-2409	EA		1200VA UPS System SmartPro Rack/Shell/Tower Digital LCD Line-Interactive 120V 8 Outlet - 1200 VA, 1 USB, 1 DB9, 1 Line Modem/Fax/Ethernet (Tripp Lite SMART1200LCD).....	450.56	
27 29 00 00-2410	EA		1000VA UPS System SmartPro Hospital Grade Extended Run Tower Line-Interactive 120 Volt 4 Outlet - 1000 VAUL 60601-1 Listed, 1 RS-232, 1 USB (Tripp Lite SMART1200XLHG).....	1,664.86	
27 29 00 00-2411	EA		Note: Use BP36V27 for Extended Run 1500VA UPS System SmartPro Tower Line-Interactive 120V 6 Outlet - 1500 VA, 1 RS-232, 1 USB (Tripp Lite SMART1500).....	1,047.82	
27 29 00 00-2412	EA		1500VA UPS Compact 4U RM Smart Pro Line-Interactive 8 outlets 120V (Tripp Lite SMART1500CRMXL).....	1,938.46	
27 29 00 00-2413	EA		1500VA UPS System SmartPro Rack/Shell/Tower Digital LCD Line-Interactive 120V 8 Outlet - 1500 VA, 1 USB, 1 DB9, 1 Line Modem/Fax/Ethernet (Tripp Lite SMART1500LCD).....	521.29	
27 29 00 00-2414	EA		1500VA 900W UPS Back Up Smart Tower LCD AVR 120V USB Coax RJ45 (Tripp Lite SMART1500LCDT).....	434.84	
27 29 00 00-2415	EA		1500VA UPS Smart LCD AVR 120V Ext Run USB DB9 RJ11 RJ45 2U RM (Tripp Lite SMART1500LCDXL).....	654.88	
27 29 00 00-2416	EA		1500VA UPS System SmartPro Rack/Tower Line-Interactive 120V 8 Outlet - 1500VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1500RM2U).....	1,367.40	
27 29 00 00-2417	EA		1500VA UPS System SmartPro Rack/Tower Extended Run Line-Interactive 120 Volt 8 Outlet - 1500 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1500RMXL2U).....	1,508.86	
27 29 00 00-2418	EA		Note: Use BP36V15-2U or BP36V42-3U for Extended Run 1500VA UPS System SmartPro Tower Line-Interactive 120V 8 Outlet & Slot - 1500 VA, 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1500SLT).....	1,152.60	
27 29 00 00-2419	EA		1500VA UPS System SmartPro Tower Extended Run Line-Interactive 120 Volt 6 Outlet - 1500 VA 1 RS-232, 1 USB (Tripp Lite SMART1500XL).....	1,246.90	
27 29 00 00-2420	EA		Note: Use BP36V27 for Extended Run TAA Compliant 1500VA UPS Smart Pro Tower Ext Run 6 outlets (Tripp Lite SMART1500XTAA).....	1,362.16	
27 29 00 00-2421	EA		2200VA UPS Compact 4U RM Smart Pro Line-Interactive 8 outlets 120V (Tripp Lite SMART2200CRMXL).....	2,580.25	
27 29 00 00-2422	EA		2200VA UPS Smart Pro Rack/Tower Line-Interactive 8 outlets (Tripp Lite SMART2200RM2U).....	2,051.10	
27 29 00 00-2423	EA		2200VA UPS System SmartPro Rack/Tower Line-Interactive 120 Volt 8 Outlet - 2200 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMART2200RMXL2U).....	2,108.73	
27 29 00 00-2424	EA		Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run 2200VA UPS System SmartPro Tower Line-Interactive 120V 7 Outlet - 2200 VA, 1 USB, 1 DB9, SNMP Slot. (Tripp Lite SMART2200SLT).....	1,762.95	
27 29 00 00-2425	EA		TAA Compliant 2200VA UPS Smart Pro Tower 7 outlets & Comm Ports (Tripp Lite SMART2200SLTAA).....	1,943.70	
27 29 00 00-2426	EA		2200VA UPS System SmartPro Tower VS Line-Interactive 120V 9 Outlet - 2200 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMART2200VS).....	1,571.72	
27 29 00 00-2427	EA		2200VA UPS System SmartPro Tower Extended Run Line-Interactive 120 Volt 10 Outlet - 2200 VA 2 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART2200VSXL).....	1,776.05	
27 29 00 00-2428	EA		Note: Use BP48V18 for Extended Run 2600VA UPS System SmartPro Rack/Tower Line-Interactive 120 Volt 9 Outlet - 2600 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMART2600RM2U).....	2,263.28	
27 29 00 00-2429	EA		Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run 3000VA UPS Compact 4U RM Smart Pro Line-Interactive 9 outlets 120V (Tripp Lite SMART3000CRMXL).....	3,096.30	
27 29 00 00-2430	EA		3000VA UPS System SmartPro Rack/Tower Line-Interactive 3kVA 120 Volt 9 Outlet - 3000 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMART3000RM2U).....	2,375.92	
27 29 00 00-2431	EA		Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run 3,000VA Modular UPS Rack/Tower Line-Interactive With Battery Detection 7 Outlets (Tripp Lite SMART3000RMOD2U).....	2,944.36	
27 29 00 00-2432	EA		3000VA UPS System SmartPro Rack/Tower Line-Interactive 3kVA 120V 9 Outlet USB, serial, EPO, SNMP Slot (Tripp Lite SMART3000RMXL2U).....	2,417.84	
27 29 00 00-2433	EA		3000VA UPS System SmartPro Tower Line-Interactive 120V 7 Outlet - 3000 VA, 1 USB, 1 DB9, SNMP Slot (Tripp Lite SMART3000SLT).....	2,354.97	
27 29 00 00-2434	EA		3000VA UPS System SmartPro Tower VS Line-Interactive 3kVA 120 Volt 10 Outlet - 3000 VA2 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART3000VS).....	2,072.06	
27 29 00 00-2435	EA		Note: Use BP48V18 for Extended Run 5000VA UPS System SmartPro Rack/Tower Line-Interactive 5kVA 120/208 Volt Output 14 Outlet - 5000 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMART5000RT-3U).....	6,624.82	
27 29 00 00-2436	EA		Note: Use BP48V60RT-3U for Extended Run 5000VA UPS System SmartPro Rack/Tower Line-Interactive 5kVA 120V/208V Output 5 Outlet TEL - 5000 VA 1 RS-232, 1 USB, 1 DB9, SNMP Slot (Tripp Lite SMART5000TEL3U).....	5,102.86	
27 29 00 00-2437	EA		5000VA UPS System SmartPro Rack/Tower Line-Interactive 5kVA 120/208 Volt Output 11 Outlet - 5000 VA 1 RS-232, 1 USB, 1 DB9, SNMP Slot (Tripp Lite SMART5000XFMRXL).....	6,373.34	
27 29 00 00-2438	EA		Note: Use BP48V60RT-3U for Extended Run 500VA UPS System SmartPro Rack/Tower Line-Interactive 120V 7 Outlet - 500VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART500RT1U).....	413.89	
27 29 00 00-2439	EA		550VA UPS System SmartPro Tower USB Line-Interactive 120V 6 Outlet - 550 VA, 1 USB, 1 Line Modem/Fax (Tripp Lite SMART550USB).....	264.57	
27 29 00 00-2440	EA		TAA Compliant 550VA UPS Smart Pro Tower 6 outlets & USB Port (Tripp Lite SMART550USBTAA).....	316.96	
27 29 00 00-2441	EA		550VA UPS System SmartPro Tower USB Line-Interactive 120 Volt, 6 Outlet With Watchdog Software - 550VA, 1 USB, 1 Line Modem/Fax (Tripp Lite SMART550USBWD).....	303.87	
27 29 00 00-2442	EA		700VA UPS System SmartPro Tower Line-Interactive Dual Voltage 6 Outlet 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART700DV).....	1,676.51	
27 29 00 00-2443	EA		700VA UPS System SmartPro Tower Line-Interactive 120V 6 Outlet & Serial Port - 700 VA, 1 RS-232 (Tripp Lite SMART700SER).....	571.06	
27 29 00 00-2444	EA		750VA UPS System SmartPro Tower Line-Interactive 120V 6 Outlet. 1 USB (Tripp Lite SMART750).....	539.63	
27 29 00 00-2445	EA		750VA UPS System SmartPro Rack/Tower Line-Interactive 120V 6 Outlet - 750 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART750RM1U).....	929.94	
27 29 00 00-2446	EA		750VA UPS System SmartPro Rack/Tower Extended Run Line-Interactive 120 Volt 6 Outlet - 750VA 1 RS-232, 1 USB, SNMP Slot, (Tripp Lite SMART750RMXL2U).....	958.75	
27 29 00 00-2447	EA		Note: Use BP24V28-2U or BP24V70-3U for Extended Run 750VA UPS System SmartPro Tower Line-Interactive 120V 8 Outlet & Slot - 750 VA, 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART750SLT).....	696.80	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2448	EA			750VA UPS System SmartPro Tower USB Line-Interactive 120V 6 Outlet - 750 VA, 1 USB, 1 Line Modem/Fax/Ethernet (Tripp Lite SMART750USB).....	324.82	
27 29 00 00-2449	EA			TAA Compliant 750VA UPS Smart Pro Tower 6 Outlets And USB Port (Tripp Lite SMART750USBTAA).....	364.12	
27 29 00 00-2450	EA			750VA UPS Smart Pro Tower Ext Run Line-Interactive 8 outlets (Tripp Lite SMART750XLA).....	867.07	
27 29 00 00-2451	EA			1500VA International UPS System SmartPro Tower Line-Interactive 230V 6 Outlet - 1500 VA, 2 RS-232 (Tripp Lite SMARTINT1500).....	1,081.14	
27 29 00 00-2452	EA			2200VA International UPS System SmartPro Tower VS Line-Interactive 230V 9 Outlet - 2200 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMARTINT2200VS).....	1,667.34	
27 29 00 00-2453	EA			3000VA International UPS System SmartPro Tower VS Line-Interactive 3kVA 230 Volt 9 Outlet - 3000 VA 2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMARTINT3000VS).....	2,438.79	
27 29 00 00-2454	EA			Note: Use BP48V18 for Extended Run 1000VA International UPS System SmartPro Rack/Tower Digital LCD 230V Line-Interactive 6 Outlet - 1000 VA 1 USB, 1 Line-Modem/Fax, 1 Line Coax (Tripp Lite SMX1000LCD).....	503.24	
27 29 00 00-2455	EA			1000VA International UPS System SmartPro Rack/Tower Line-Interactive 230V 6 Outlet - 1000 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMX1000RT2U).....	1,191.75	
27 29 00 00-2456	EA			1050VA International UPS System SmartPro Tower Line-Interactive 230V 8 Outlet - 1000 VA, 1 USB, 1 DB9, SNMP Slot. (Tripp Lite SMX1050SLT).....	904.18	
27 29 00 00-2457	EA			1200VA Intl UPS Smart Pro Tower Hospital Grd Extended Run Line-Interactive 6 IEC C13 (Tripp Lite SMX1200XLHG).....	1,565.03	
27 29 00 00-2458	EA			1500VA International UPS System SmartPro Rack/Tower Digital LCD 230V Line-Interactive 6 Outlet - 1500 VA 1 USB, 1 Line-Modem/Fax, 1 Line Coax (Tripp Lite SMX1500LCD).....	732.74	
27 29 00 00-2459	EA			1500VA International UPS System SmartPro Tower Line-Interactive 230V 8 Outlet - 1500 VA, 1 USB, 1 DB9, SNMP Slot. (Tripp Lite SMX1500SLT).....	1,144.74	
27 29 00 00-2460	EA			1500VA International UPS System SmartPro Rack/Tower Line-Interactive 230 Volt 8 Outlet - 1500 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMX1500XLR2TU).....	1,625.86	
27 29 00 00-2461	EA			Note: Use BP36V15-2U for Extended Run TAA Compliant 2200VA Intl UPS Smart Pro Rack/Tower 8 outlets 230V (Tripp Lite SMX2200RT2UTAA).....	2,524.51	
27 29 00 00-2462	EA			2200VA International UPS System SmartPro Rack/Tower Line-Interactive 230 Volt 8 Outlet - 2200 VA 1 RS-232, 1 USB, 1 DB9, SNMP Slot (Tripp Lite SMX2200XLR2TU).....	2,317.13	
27 29 00 00-2463	EA			Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run TAA Compliant 3000VA Intl UPS Smart Pro Rack/Tower 9 outlets 230V (Tripp Lite SMX3000RT2UTAA).....	2,980.75	
27 29 00 00-2464	EA			3000VA International UPS System SmartPro Rack/Tower Line-Interactive 3kVA 230 Volt 9 Outlet - 3000 VA 2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMX3000XLR2TU).....	2,737.42	
27 29 00 00-2465	EA			Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run 5000VA International UPS System SmartPro Rack/Tower Line-Interactive 5kVA 230 Volt 11 Outlet - 5000 VA 1 RS-232, 1 USB, 1 DB9, SNMP Slot (Tripp Lite SMX5000XLR3TU).....	4,894.17	
27 29 00 00-2466	EA			Note: Use BP48V60RT-3U for Extended Run 500VA International UPS System SmartPro Rack/Tower Line-Interactive 230V 6 Outlet - 500 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMX500RT1U).....	519.83	
27 29 00 00-2467	EA			700VA Intl UPS Smart Pro Tower Hospital Grade Line-Interactive 6 IEC320 C13 (Tripp Lite SMX700HG).....	1,219.40	
27 29 00 00-2468	EA			750VA International UPS System SmartPro Tower Line-Interactive 230V 8 Outlet - 750 VA1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMX750SLT).....	752.10	
27 29 00 00-2469	EA			Internal Universal SNMP/Web management accessory card connects UPS to Ethernet. (Tripp Lite SNMPWEBCARD).....	509.36	
27 29 00 00-2470	EA			TAA Compliant Internal SNMP Card for Remote UPS Management (Tripp Lite SNMPWEBCARDTAA).....	582.12	
27 29 00 00-2471	EA			1 outlets direct plug-in cord 750 joules Protect I! Surge Suppressor holds 1 Transformer (Tripp Lite SPIKECUBE).....	13.62	
27 29 00 00-2472	EA			Surge Protector Hospital Grade 4 Outlet UL60601-1 UL60950-1 (Tripp Lite SPS415HGULTRA).....	293.97	
27 29 00 00-2473	EA			Surge Protector Strip Medical RT Angle Plug 6 Outlet 6ft Cord (Tripp Lite SPS606HGRA).....	171.73	
27 29 00 00-2474	EA			Surge Protector Strip Medical RT Angle Plug 6 Outlet 10ft Cord (Tripp Lite SPS610HGRA).....	174.64	
27 29 00 00-2475	EA			Economy Surge Suppressor. 15 ft. cord. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite SPS-615-HG).....	168.81	
27 29 00 00-2476	EA			12U Rack Enclosure Server Cabinet 33" Deep With Doors And Sides (Tripp Lite SR12UB).....	1,178.79	
27 29 00 00-2477	EA			SmartRack 1U Horizontal Brush Strip (Tripp Lite SR1UBRUSH).....	72.04	
27 29 00 00-2478	EA			SmartRack 10pcs 1U Blanking Panel (Tripp Lite SR1UPANEL10).....	91.68	
27 29 00 00-2479	EA			SmartRack 50pcs 1U Blanking Panel (Tripp Lite SR1UPANEL50).....	288.15	
27 29 00 00-2480	EA			25U Standard Enclosure (black). 24 in. width 42 in. depth (Tripp Lite SR25UB).....	2,221.37	
27 29 00 00-2481	EA			24" Wide x 42" Deep, SmartRack 25U with Sides 1250lb Load Cap Shock Pallet And Ramp. (Tripp Lite SR25UBSP1).....	2,679.79	
27 29 00 00-2482	EA			TAA Compliant 25U Black Rack Enclosure 3000lb Load Capacity (Tripp Lite SR25UBTAA).....	2,603.82	
27 29 00 00-2483	EA			2-Post Open Frame Rack, Threaded Holes (black). 45U (Tripp Lite SR2POST).....	366.74	
27 29 00 00-2484	EA			SmartRack 2-Post Open Frame Rack (25U) (Tripp Lite SR2POST25).....	340.54	
27 29 00 00-2485	EA			TAA Compliant 45U 2-Post Black Open Frame Rack (Tripp Lite SR2POSTAA).....	421.75	
27 29 00 00-2486	EA			Side panel for 42U cabinets (Tripp Lite SR42SIDE).....	170.27	
27 29 00 00-2487	EA			42U Standard Enclosure (black). 24 in. width 42 in. depth (Tripp Lite SR42UB).....	2,480.70	
27 29 00 00-2488	EA			42U SmartRack Enclosure Co-Location (black, with doors and side panels) 2,250 rolling to 3,000 LB stationary load capacity. 24" width x 37" depth (Tripp Lite SR42UBCL).....	4,301.28	
27 29 00 00-2489	EA			42U Rack Enclosure Server Cabinet Deep 3000lb Load Capacity (Tripp Lite SR42UBDP).....	3,473.51	
27 29 00 00-2490	EA			42U Rack Enclosure Server Cabinet Deep/Wide 3000lb Load Capacity (Tripp Lite SR42UBDPWD).....	4,322.24	
27 29 00 00-2491	EA			42U Rack Enclosure Server Cabinet Industrial NEMA 12 Seismic (Tripp Lite SR42UBEIS).....	4,675.88	
27 29 00 00-2492	EA			42U Standard Enclosure (black, without side panels). 24 in. width 42 in. depth (Tripp Lite SR42UBEXP).....	2,176.84	
27 29 00 00-2493	EA			42U Open Frame Rack Enclosure Server Cabinet 3000lb Capacity (Tripp Lite SR42UBEXPND).....	1,922.74	
27 29 00 00-2494	EA			42U Rack Enclosure Server Cabinet With Plexiglass Front Door (Tripp Lite SR42UBG).....	2,829.10	
27 29 00 00-2495	EA			SmartRack 42U Knock-Down Black Rack Enclosure with 2250 to 3000 lb load capacity. 23.63 in. width 43 in. depth (Tripp Lite SR42UBKD).....	2,271.14	
27 29 00 00-2496	EA			42U Rack Enclosure Shallow Depth w Doors And Sides 3,000 Lb. Capacity (Tripp Lite SR42UBSD).....	2,527.86	
27 29 00 00-2497	EA			24" Wide x 42" Deep, SmartRack 42U With Sides 2500lb Load Cap Shock Pallet And Ramp. (Tripp Lite SR42UBSP1).....	2,928.65	
27 29 00 00-2498	EA			TAA Compliant 42U Black Rack Enclosure 3000lb Load Capacity (Tripp Lite SR42UBTAA).....	2,936.50	
27 29 00 00-2499	EA			42U Rack Enclosure Server Cabinet Thermal Duct Green Cooling (Tripp Lite SR42UBTD).....	3,405.40	
27 29 00 00-2500	EA			42U SmartRack Enclosure WIDE (black, with doors and side panels) 2,250 rolling to 3,000 LB stationary load capacity. 29.5" width x 37" depth (Tripp Lite SR42UBWD).....	3,190.60	
27 29 00 00-2501	EA			TAA Compliant 42U Wide Rack Enclosure 3000lb Load Capacity (Tripp Lite SR42UBWDTAA).....	3,494.47	
27 29 00 00-2502	EA			42U Rack Enclosure Server Cabinet Seismic (Tripp Lite SR42UBZ4).....	4,675.88	
27 29 00 00-2503	EA			45U Rack Enclosure Server Cabinet Doors And Sides 3,000 Lb. Capacity (Tripp Lite SR45UB).....	2,850.06	
27 29 00 00-2504	EA			SmartRack 48U Black Rack Enclosure with 2250 to 3000 lb load capacity. 23.63 in. width 43 in. depth (Tripp Lite SR48UB).....	3,077.96	
27 29 00 00-2505	EA			48U SmartRack Enclosure Co-Location (black, with doors and side panels) 2,250 rolling to 3,000 LB stationary load capacity. 24" width x 37" depth (Tripp Lite SR48UBCL).....	5,218.12	

## 27 Communications

## 27 20 Data Communications

## 27 29 Data Communications Network Systems

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
27 29 00 00-2506	EA	48U SmartRack Enclosure Expansion (black, with doors, No side panels) 2250 rolling to 3000lb stationary load capacity, 24 in. width 37 in. depth (Tripp Lite SR48UBEXP).....		2,556.67	
27 29 00 00-2507	EA	SmartRack 48U Rack Enclosure on Shock Pallet with 3,000 LB Load Capacity (Tripp Lite SR48UBSP1).....		3,567.81	
27 29 00 00-2508	EA	TAA Compliant 48U Black Rack Enclosure 3000lb Load Capacity (Tripp Lite SR48UBTAA).....		3,303.24	
27 29 00 00-2509	EA	4-Post Open Frame Rack, Square Holes (black). Adjustable depth. 45U 24-36in. depth (Tripp Lite SR4POST).....		827.77	
27 29 00 00-2510	EA	45U 4-Post Open Frame Rack Cabinet Threaded 12-24 Mounted Holes (Tripp Lite SR4POST1224).....		916.84	
27 29 00 00-2511	EA	SmartRack 4-Post Open Frame Rack (13U) (Tripp Lite SR4POST13).....		573.68	
27 29 00 00-2512	EA	25U 4-Post Open Frame Rack Square Holes 1000lb Capacity (Tripp Lite SR4POST25).....		746.57	
27 29 00 00-2513	EA	TAA Compliant 45U 4-Post Black Open Frame Rack (Tripp Lite SR4POSTAA).....		1,113.30	
27 29 00 00-2514	EA	SmartRack Bolt Down Kit (Tripp Lite SRBOLTDOWN).....		78.59	
27 29 00 00-2515	EA	Brush Strip Plate for Wallmount Rack Enclosure Server Cabinet (Tripp Lite SRBRUSHWM).....		78.59	
27 29 00 00-2516	EA	SmartRack 1U Horizontal Cable Manager (finger) (Tripp Lite SRCABLEDUCT1U).....		102.16	
27 29 00 00-2517	EA	Rack Enclosure Horizontal Cable Manager Steel w Finger Duct 1URM (Tripp Lite SRCABLEDUCT1UHD).....		115.26	
27 29 00 00-2518	EA	Rack Enclosure Horizontal Cable Manager Steel w Finger Duct 2URM (Tripp Lite SRCABLEDUCT2UHD).....		157.17	
27 29 00 00-2519	EA	SmartRack 6ft Vertical Cable Manager (finger) (Tripp Lite SRCABLEDUCTVRT).....		288.15	
27 29 00 00-2520	EA	SmartRack Cable Ladder 12" x 10" (Tripp Lite SRCABLELADDER).....		398.17	
27 29 00 00-2521	EA	SmartRack 1U Horizontal Cable Manager (ring) (Tripp Lite SRCABLERING1U).....		81.21	
27 29 00 00-2522	EA	SmartRack 2U Horizontal Cable Manager (ring) (Tripp Lite SRCABLERING2U).....		89.06	
27 29 00 00-2523	EA	SmartRack 6ft Vertical Cable Manager (ring) (Tripp Lite SRCABLERINGVRT).....		235.76	
27 29 00 00-2524	EA	SmartRack Roof Mount Cable Trough (Tripp Lite SRCABLETRAY).....		180.75	
27 29 00 00-2525	EA	SmartRack Expansion Lid for Above Cable Trough (Tripp Lite SRCABLETRAYEXP).....		151.93	
27 29 00 00-2526	EA	6ft Vertical Cable Manager for Open Frame Rack 12in Wide (Tripp Lite SRCABLEVRT12).....		838.25	
27 29 00 00-2527	EA	6ft Vertical Cable Manager for Open Frame Rack 3in Wide (Tripp Lite SRCABLEVRT3).....		440.08	
27 29 00 00-2528	EA	6ft Vertical Cable Manager for Open Frame Rack 6in Wide (Tripp Lite SRCABLEVRT6).....		607.73	
27 29 00 00-2529	EA	SmartRack Cage Nut Kit (Tripp Lite SRCAGENUTS).....		65.49	
27 29 00 00-2530	EA	SmartRack Caster Kit for SR4POST to be Mobile (Tripp Lite SRCASTER).....		154.55	
27 29 00 00-2531	EA	Rack Enclosure Cabinet Heavy Duty Mobile Rolling Caster Kit (Tripp Lite SRCASTERHDKIT).....		243.62	
27 29 00 00-2532	EA	SmartRack Combination Lock/Door Handle (2 pack) (Tripp Lite SRCOMBO).....		374.59	
27 29 00 00-2533	EA	Portable Cooling Unit / Air Conditioner 3.4kW, 120 Volt, 60 Hertz, 12,000 BTU (Tripp Lite SRCOOL12K).....		1,597.92	
27 29 00 00-2534	EA	Rack Cooling / In Row Air Conditioner 208 Volt/240 Volt, 50/60 Hertz, 33,000 BTU (Tripp Lite SRCOOL33K).....		22,999.56	
27 29 00 00-2535	EA	SmartRack Extension Ring for 25U, 42U And 48U Enclosures (Tripp Lite SREXTENDER).....		785.86	
27 29 00 00-2536	EA	SmartRack 3U Fan Panel (Tripp Lite SRFAN3U).....		327.44	
27 29 00 00-2537	EA	SmartRack Roof Mount Fan for Airflow Management (Tripp Lite SRFANROOF).....		605.11	
27 29 00 00-2538	EA	Wallmount Rack Enclosure Cooling Roof Fan Kit 120V 5-15P (Tripp Lite SRFANWM).....		154.55	
27 29 00 00-2539	EA	Rack Enclosure Server Cabinet Filter Kit 25U / 42U / 45U / 48U (Tripp Lite SRFILTER).....		144.07	
27 29 00 00-2540	EA	SmartRack Airflow Optimization (Tripp Lite SRGASKET).....		154.55	
27 29 00 00-2541	EA	42U Rack Enclosure Server Cabinet Copper Bus Grounding Bar (Tripp Lite SRGROUND).....		233.14	
27 29 00 00-2542	EA	Rack Roof Hardware Kit Connecting SRCABLELADDER to Wall or Open Frame Rack (Tripp Lite SRLADDERATTACH).....		79.90	
27 29 00 00-2543	EA	SmartRack Threaded Hole Hardware Kit (Tripp Lite SRSCREWS).....		27.51	
27 29 00 00-2544	EA	SmartRack Fixed 2U Cantilever Shelf (Tripp Lite SRSHELF2P).....		112.64	
27 29 00 00-2545	EA	Fixed 1U Cantilever Shelf for 2-Post / 4-Post Rack Enclosure (Tripp Lite SRSHELF2P1U).....		107.40	
27 29 00 00-2546	EA	SmartRack Heavy Duty Fixed Shelf (Tripp Lite SRSHELF4PHD).....		188.61	
27 29 00 00-2547	EA	SmartRack Keyboard Shelf (Tripp Lite SRSHELF4PKYBD).....		416.51	
27 29 00 00-2548	EA	SmartRack Standard Sliding Shelf (Tripp Lite SRSHELF4PSL).....		377.21	
27 29 00 00-2549	EA	SmartRack Heavy Duty Sliding Shelf (Tripp Lite SRSHELF4PSLHD).....		704.66	
27 29 00 00-2550	EA	SmartRack Skirt for Bottom of Racks to Minimize Airflow (Tripp Lite SRSKIRT).....		110.02	
27 29 00 00-2551	EA	SmartRack Anti-Tip Stabilizer Plate (Tripp Lite SRSTABILIZE).....		138.84	
27 29 00 00-2552	EA	SmartRack Magnetic Door Switch (2 pack) (Tripp Lite SRSWITCH).....		91.68	
27 29 00 00-2553	EA	42U - 48U Rack Enclosure Cabinet Thermal Duct Passive Cooling (Tripp Lite SRTHERMDUCT).....		1,100.21	
27 29 00 00-2554	EA	10U Wall mount Rack Enclosure Cabinet With Door and Side Panels (Tripp Lite SRW10US).....		785.86	
27 29 00 00-2555	EA	12U Wall Mount Rack Enclosure Cabinet With Door And Side Panels (Tripp Lite SRW12U).....		707.28	
27 29 00 00-2556	EA	SmartRack 12U Wall Mount Enclosure with Doors and Side Panels (Tripp Lite SRW12US).....		812.06	
27 29 00 00-2557	EA	12U Wall mount Rack Enclosure Cabinet With 33" Extended Depth (Tripp Lite SRW12US33).....		1,178.79	
27 29 00 00-2558	EA	12U Wall mount Rack Enclosure Cabinet With Plexiglass Front Door (Tripp Lite SRW12USG).....		864.45	
27 29 00 00-2559	EA	12U Wall Mount Rack Enclosure Hinged Wallmount Industrial NEMA (Tripp Lite SRW12USNEMA).....		1,493.14	
27 29 00 00-2560	EA	18U Wall mount Rack Enclosure Cabinet With Door and Side Panels (Tripp Lite SRW18US).....		1,244.28	
27 29 00 00-2561	EA	26U Wall mount Rack Enclosure Cabinet With Door and Side Panels (Tripp Lite SRW26US).....		1,676.51	
27 29 00 00-2562	EA	6U Wall mount Rack Enclosure Cabinet With Door And Side Panels (Tripp Lite SRW6U).....		392.93	
27 29 00 00-2563	EA	9U Wall Mount Rack Enclosure Cabinet With Door And Side Panels (Tripp Lite SRW9U).....		523.91	
27 29 00 00-2564	EA	5U Wall Mount Low Profile Secure Rack Enclosure Cabinet Vertical (Tripp Lite SRWF5U).....		785.86	
27 29 00 00-2565	EA	12U Wall Mount Pivoting Open Frame Rack Cabinet Hinged (Tripp Lite SRW012US).....		392.93	
27 29 00 00-2566	EA	Wall Mount 2-Post Open Frame Rack Cabinet 8U / 14U / 22U (Tripp Lite SRW08U22).....		261.95	
27 29 00 00-2567	EA	Portable Cooling Unit / Air Conditioner 3.4kW, 230 Volt, 50 Hertz, 12,000 BTU (Tripp Lite SRXCOOL12K).....		1,741.99	
27 29 00 00-2568	EA	SmartRack 3U Fan Panel (230V) (Tripp Lite SRXFAN3U).....		330.06	
27 29 00 00-2569	EA	SmartRack Roof Mount Fan (230V) (Tripp Lite SRXFANROOF).....		576.30	
27 29 00 00-2570	EA	16 outlets 15' cord 450 joules Multiple Outlet Strip with Surge 15-Amperes (Tripp Lite SS7415-15).....		142.04	
27 29 00 00-2571	EA	16 outlets 15' cord 450 joules Multiple Outlet Strip with Surge 15-Amperes (Tripp Lite SS7619-15).....		162.41	
27 29 00 00-2572	EA	6 outlets 6' cord 360 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite STIKER).....		35.51	
27 29 00 00-2573	EA	7 outlets 6' cord 750 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite STRIKER).....		31.43	
27 29 00 00-2574	EA	10000VA UPS System SmartOnline Rack/Tower PureSine 10kVA 200V-240V Output 6 Outlet - 10000 VA Detachable Bypass PDU, 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU1000RT3U).....		10,795.12	
27 29 00 00-2575	EA	10000VA UPS System SmartOnline Rack/Tower PureSine 10kVA Transformer 120V/208V Output Hardwire - 10000 VA Detachable Bypass PDU, 1 RS-232, 1 USB, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU1000RT3U2TF).....		13,087.22	
27 29 00 00-2576	EA	10000VA Global Smart Online UPS RM 6U (6)C19 outlets 10kVA 200/240V (Tripp Lite SU1000RT3UG).....		11,093.75	
27 29 00 00-2577	EA	1000VA UPS System SmartOnline Rack/Tower PureSine 120 Volt 6 Outlet - 1000VA 1 RS-232, 1 USB, SNMP Slot, (Tripp Lite SU1000RTL2UA).....		1,307.15	
		Note: Use BP24V28-2U or BP24V70-3U for Extended Run			
27 29 00 00-2578	EA	1000VA 900W UPS Smart Online Rackmount LCD 100V-120V USB 2URM (Tripp Lite SU1000RTLXCD2U).....		1,569.10	
27 29 00 00-2579	EA	1000VA UPS System SmartOnline Tower Extended Run PureSine 120 Volt 6 Outlet - 1000 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SU1000XLA).....		1,136.88	
		Note: Use BP24V14 or BP24V34 for Extended Run			



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2580	EA			10000VA International UPS System SmartOnline Tower PureSine 3-Phase 10kVA Hardwire - 10000 VA1 RS-232, 1 DB9, 1 AS-400, SNMP Slot, Use BP240V10RT-3U or BP240V33 for Extended Run (Tripp Lite SU10K3/1X).....	11,198.53	
27 29 00 00-2581	EA			10kVA Intl 3-Phase Smart Online UPS for Data Centers And Large Networks (Tripp Lite SU10KRT3/1X).....	10,609.14	
27 29 00 00-2582	EA			10000VA UPS System SmartOnline Rack/Tower PureSine 10kVA 200V-240V/120V Output Hardwire - 10000 VA Auto Sensing 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU10KRT3U).....	12,911.71	
27 29 00 00-2583	EA			10000VA UPS System SmartOnline Rack/Tower PureSine HIGH Voltage 10kVA 200V-240V Output Hardwire - 10000 VA Auto Sensing 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU10KRT3UHV).....	10,355.04	
27 29 00 00-2584	EA			12000VA UPS Smart Online Hot Swap 8U RM 12kVA 120-240V (Tripp Lite SU12000RT4U).....	15,442.19	
27 29 00 00-2585	EA			12000VA UPS Smart Online Hot Swap Hard Wire 8U RM 12kVA 120-240V (Tripp Lite SU12000RT4UHW).....	15,442.19	
27 29 00 00-2586	EA			12000VA UPS Smart Online Hard Wire Hot Swap 8U RM 12kVA 200-240V (Tripp Lite SU12KRT4UHW).....	14,428.43	
27 29 00 00-2587	EA			1500VA NAFTA Smart Online PureSine UPS Rackmount 6 outlets (Tripp Lite SU1500RMNAFTA).....	2,174.22	
27 29 00 00-2588	EA			1500VA UPS System SmartOnline Rack/Tower PureSine 120 Volt 6 Outlet - 1500 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SU1500RTXL2UA).....	1,673.89	
				Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run		
27 29 00 00-2589	EA			1500VA 1350W UPS Smart Online Rackmount LCD 100V-120V USB 2URM (Tripp Lite SU1500RTXLCD2U).....	2,093.01	
27 29 00 00-2590	EA			1500VA UPS Smart Online Tower Extended Run PureSine 6 outlet (Tripp Lite SU1500XL).....	1,569.10	
27 29 00 00-2591	EA			16000VA UPS System SmartOnline Rack/Tower PureSine 10kVA 200V-240V/120V Output 13 Outlets Detachable Bypass PDU 1 RS-232, 1 USB, SNMP Slot. Use BP192BV18-4U for Extended Run (Tripp Lite SU16000RT4U).....	20,505.76	
27 29 00 00-2592	EA			16000VA UPS System SmartOnline Rack/Tower PureSine 10kVA 200V-240V/120V Output Hardwire Detachable Bypass PDU 1 RS-232, 1 USB, SNMP Slot. Use BP192BV18-4U for Extended Run (Tripp Lite SU16000RT4UHW).....	20,505.76	
27 29 00 00-2593	EA			16000VA UPS Smart Online Hot Swap 12U RM 16kVA 200V - 240V (Tripp Lite SU16KRT).....	19,772.29	
27 29 00 00-2594	EA			16000VA UPS Smart Online With TF Hot Swap 14U RM 16kVA, 120 Volt - 240 Volt (Tripp Lite SU16KRT-1TF).....	21,854.82	
27 29 00 00-2595	EA			20000VA UPS Smart Online Hot Swap 12U RM 20kVA 200V - 240V (Tripp Lite SU16KRTG).....	19,772.29	
27 29 00 00-2596	EA			20000VA UPS Smart Online Hard Wire Hot Swap 12URM 20kVA 200-240V (Tripp Lite SU16KRTHW).....	19,505.09	
27 29 00 00-2597	EA			20000VA UPS System SmartOnline Tower PureSine 3-Phase 20kVA Hard Wire - 20000 VA Includes Power Module and BP240V33 Battery Module (Tripp Lite SU20K3/3).....	26,378.77	
27 29 00 00-2598	EA			20kVA Tower Mount UPS includes five SURBC2030 Internal Battery Packs. (Tripp Lite SU20K3/3XR5).....	29,391.24	
27 29 00 00-2599	EA			Wall Mount Kirk Key Bypass Panel 240V for 20kVA 3-Phase UPS (Tripp Lite SU20KMBPK).....	5,317.67	
27 29 00 00-2600	EA			20000VA UPS Smart Online Hot Swap 12U RM 20kVA 200V - 240V (Tripp Lite SU20KRT).....	22,177.03	
27 29 00 00-2601	EA			20000VA UPS Smart Online With TF Hot Swap 14U RM, 20kVA, 120 Volt - 240 Volt (Tripp Lite SU20KRT-1TF).....	24,283.14	
27 29 00 00-2602	EA			20000VA UPS Smart Online Hot Swap 12U RM 20kVA 200V - 240V (Tripp Lite SU20KRTG).....	22,177.03	
27 29 00 00-2603	EA			20000VA UPS Smart Online Hard Wire Hot Swap 12URM 20kVA 200-240V (Tripp Lite SU20KRTHW).....	21,909.83	
27 29 00 00-2604	EA			20000VA Intl Smart Online Modular 3-Phase UPS 220-415V 20kVA (Tripp Lite SU20KX).....	26,457.35	
27 29 00 00-2605	EA			2200VA NAFTA Smart Online PureSine UPS Rackmount 7 outlets (Tripp Lite SU2200RMNAFTA).....	2,881.49	
27 29 00 00-2606	EA			2200VA UPS System SmartOnline Rack/Tower PureSine 120 Volt 7 Outlet - 2200 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SU2200RTXL2UA).....	2,446.65	
				Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run		
27 29 00 00-2607	EA			2200VA 1800W UPS Smart Online Rackmount LCD 100V-120V USB 2URM (Tripp Lite SU2200RTXLCD2U).....	3,036.05	
27 29 00 00-2608	EA			2200VA UPS System SmartOnline Tower Extended Run PureSine 120V 7 Outlet - 2200 VA1 RS-232, SNMP Slot, Use BP72V9 or BP72V18 for Extended Run (Tripp Lite SU2200XLA).....	2,040.62	
27 29 00 00-2609	EA			3000VA UPS Smart Online Rackmount 2U Economy Mode 7 Outlet Use BP72V15-2U or BP72V28RT-3U for Extended Run (Tripp Lite SU3000RTXL2U).....	2,988.90	
27 29 00 00-2610	EA			3000VA UPS System SmartOnline Rack/Tower PureSine 3kVA 120V 9 Outlet - 3000 VA 1 RS-232, 1 USB, SNMP Slot, Use BP72V15-2U or BP72V28RT-3U for Extended Run (Tripp Lite SU3000RTXL3U).....	3,161.78	
27 29 00 00-2611	EA			3000VA UPS System SmartOnline Rack/Tower PureSine HIGH Voltage 3kVA 120V 8 Outlet - 3000 VA 1 RS-232, SNMP Slot, Use BP 72V15-2U or BP72V28RT-3U for Extended Run (Tripp Lite SU3000RTXL3UHV).....	3,539.00	
27 29 00 00-2612	EA			3000VA 2700W UPS Smart Online LCD Rackmount 100-120V USB 3URM RT (Tripp Lite SU3000RTXLCD3U).....	3,785.24	
27 29 00 00-2613	EA			3000VA UPS System SmartOnline Rack/Tower PureSine 3kVA Extended Run 120V 9 Outlet - 3000 VA 1 RS-232, 1 USB, SNMP Slot, Use BP72V15-2U or BP72V28RT-3U for Extended Run (Tripp Lite SU3000RTXR3U).....	3,863.82	
27 29 00 00-2614	EA			3000VA Smart Online UPS 110/120V USB DB9 Hardwire 3kVA 3U RM (Tripp Lite SU3000RTXR3UHV).....	4,193.88	
27 29 00 00-2615	EA			3000VA UPS System SmartOnline Tower Extended Run PureSine 3kVA 120V 7 Outlet - 3000 VA1 RS-232, SNMP Slot, Use BP72V9 or BP72V18 for Extended Run (Tripp Lite SU3000XL).....	2,926.03	
27 29 00 00-2616	EA			3000VA NAFTA Smart Online PureSine UPS Ext Run 9 outlets (Tripp Lite SU3000XLNAFTA).....	3,143.45	
27 29 00 00-2617	EA			3000VA UPS System SmartOnline Tower PureSine 3-Phase 30kVA Hard Wire - 30000 VAIncludes Power Module and BP240V33 Battery Module (Tripp Lite SU30K3/3).....	30,609.32	
27 29 00 00-2618	EA			30kVA Tower Mount UPS includes five SURBC2030 Internal Battery Packs. (Tripp Lite SU30K3/3XR5).....	32,901.42	
27 29 00 00-2619	EA			Wall Mount Kirk Key Bypass Panel 240V for 30kVA 3-Phase UPS (Tripp Lite SU30KMBPK).....	5,317.67	
27 29 00 00-2620	EA			40kVA Smart Online UPS 3-Phase Double Conversion With Integrated Batteries (Tripp Lite SU40K).....	54,748.39	
27 29 00 00-2621	EA			Wall Mount Kirk Key Bypass Panel 240V for 40kVA 3-Phase UPS (Tripp Lite SU40KMBPK).....	6,588.14	
27 29 00 00-2622	EA			Intl Wall Mount Kirk Key Bypass Panel 480V for 40kVA 3-Phase UPS (Tripp Lite SU40KMBPKX).....	5,613.09	
27 29 00 00-2623	EA			4000VA Intl Smart Online Modular 3-Phase UPS 220-415V 40kVA (Tripp Lite SU40KX).....	39,555.05	
27 29 00 00-2624	EA			5000VA UPS System SmartOnline Rack/Tower PureSine 5kVA 200V-240V Output 16 Outlet - 5000 VA 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU5000RT3U).....	7,601.91	
27 29 00 00-2625	EA			5000VA UPS System SmartOnline Rack/Tower PureSine HIGH Voltage 200V-240V Output 4 Outlet - 5000 VA1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU5000RT3UHV).....	6,664.11	
27 29 00 00-2626	EA			5000VA UPS System SmartOnline Rack/Tower PureSine 5kVA 208V/240V Output 12 Outlet - 5000 VA All-In-One 1 RS-232, 1 USB, Use BP192V12-3U for Extended Run (Tripp Lite SU5000RT4U).....	7,567.85	
27 29 00 00-2627	EA			5000VA UPS Smart Online High Efficiency 4U RM 5kVA 200-240V (Tripp Lite SU5000RT4UHV).....	6,488.60	
27 29 00 00-2628	EA			5000VA UPS Smart Online High Efficiency 6U RM 5kVA 208-240V (Tripp Lite SU5000RT4UTF).....	7,497.12	
27 29 00 00-2629	EA			2U rack/tower mount isolation/distribution/step-down transformer. 208 Volt, 60 Hertz single phase input/120/240 Volt output. Outlets: 12 (15/20-ampers). L6-30P plug. (Tripp Lite SU5000XFMRT2U).....	1,878.21	
				Note: For use with SU 5000RT3UHV, SU 7500RT3U and SU 10000RT3U models.		
27 29 00 00-2630	EA			6000VA UPS System SmartOnline Rack/Tower PureSine 6kVA 200V-240V/120V Output Hardwire - 6000 VA External Battery Pack Included, 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU6000RT3U).....	9,249.60	
27 29 00 00-2631	EA			6000VA UPS System SmartOnline Rack/Tower PureSine HIGH Voltage 6kVA 200-240V Output Hardwire - 6000 VA Auto Sensing 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU6000RT3UHV).....	7,201.12	
27 29 00 00-2632	EA			6000VA UPS System SmartOnline Rack/Tower PureSine 6kVA 208V/240V Output 12 Outlet - 6000 VA All-In-One 1 RS-232, 1 USB, Use BP192V12-3U for Extended Run (Tripp Lite SU6000RT4U).....	8,458.49	
27 29 00 00-2633	EA			6000VA UPS Smart Online High Efficiency 4U RM 6kVA 200-240V (Tripp Lite SU6000RT4UHV).....	7,130.39	
27 29 00 00-2634	EA			6000VA UPS Smart Online High Efficiency 4URM C19 6kVA 200-240V (Tripp Lite SU6000RT4UHV).....	7,130.39	
27 29 00 00-2635	EA			6000VA UPS Smart Online High Efficiency HW 4U RM 6kVA 200-240V (Tripp Lite SU6000RT4UHVHW).....	6,826.52	
27 29 00 00-2636	EA			6000VA UPS Smart Online High Efficiency 6U RM 6kVA 208-240V (Tripp Lite SU6000RT4UTF).....	8,094.38	

## 27 Communications

## 27 20 Data Communications

## 27 29 Data Communications Network Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2637	EA		6000VA UPS Smart Online High Efficiency HW With TF 6kVA, 208/240 Volt (Tripp Lite SU6000RT4UTFHW).....	8,390.39	
27 29 00 00-2638	EA		60kVA Smart Online UPS 3-Phase Double Conversion With Integrated Batteries (Tripp Lite SU60K).....	61,559.19	
27 29 00 00-2639	EA		Wall Mount Kirk Key Bypass Panel 240V for 60kVA 3-Phase UPS (Tripp Lite SU60KMBPK).....	7,243.03	
27 29 00 00-2640	EA		Int'l Wall Mount Kirk Key Bypass Panel 480V for 60kVA 3-Phase UPS (Tripp Lite SU60KMBPKX).....	10,527.93	
27 29 00 00-2641	EA		60KVA Smart Online N+1 Modular UPS 3-Phase IGBT 220/415V (Tripp Lite SU60KX).....	50,033.21	
27 29 00 00-2642	EA		750VA UPS System SmartOnline Rack/Tower PureSine 120 Volt 6 Outlet - 750VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SU750RTL2U).....	1,108.07	
			Note: Use BP24V28-2U or BP24V70-3U for Extended Run		
27 29 00 00-2643	EA		750VA 675W UPS Smart Online Rackmount LCD 100V-120V USB 2URM RT (Tripp Lite SU750RTLCD2U).....	1,218.09	
27 29 00 00-2644	EA		750VA UPS System SmartOnline Tower Extended Run PureSine 120 Volt 6 Outlet - 750 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SU750XL).....	1,039.96	
			Note: Use BP24V14 or BP24V34 for Extended Run		
27 29 00 00-2645	EA		8000VA UPS System SmartOnline Rack/Tower PureSine 8kVA 200V-240V output 6 outlets Detachable Bypass PDU, 1 RS-232, 2 DB9 And SNMP Slot. Use BP240V10RT3U for Extended Run (Tripp Lite SU8000RT3U).....	8,922.15	
27 29 00 00-2646	EA		8000VA UPS System SmartOnline Rack/Tower PureSine 8kVA Transformer 120V/208V output Hardwire Detachable Bypass PDU, 1 RS-232, 2 DB9 And SNMP Slot. Use BP240V10RT3U for Extended Run (Tripp Lite SU8000RT3U1TF).....	9,980.45	
27 29 00 00-2647	EA		8000VA Global Smart Online UPS RM 6U (6)C19 outlets 8kVA 200/240V (Tripp Lite SU8000RT3UG).....	9,220.78	
27 29 00 00-2648	EA		8000VA UPS System SmartOnline Rack/Tower PureSine 8kVA 200V-240V output Hardwire Detachable Bypass PDU, 1 RS-232, 2 DB9 And SNMP Slot. Use BP240V10RT3U for Extended Run (Tripp Lite SU8000RT3UHW).....	8,922.15	
27 29 00 00-2649	EA		8000VA Smart Online UPS With Hot- Swappable Power Distribution Unit 208/240 Volt, 6 outlets (Tripp Lite SU8000RT3UN50).....	9,590.14	
27 29 00 00-2650	EA		8000VA Smart Online UPS With Hot- Swap PDU And Step Down Trans 208/240 Volt (Tripp Lite SU8000RT3UN50TF).....	10,653.67	
27 29 00 00-2651	EA		8000VA UPS System SmartOnline Rack/Tower PureSine 8kVA 200V-240V/120V Output Hardwire Detachable Bypass PDU, 1 RS-232, 1 USB, SNMP Slot. Use BP192V12-3U for Extended Run (Tripp Lite SU8000RT4U).....	9,443.44	
27 29 00 00-2652	EA		80kVA Smart Online UPS 3-Phase Double Conversion With Integrated Batteries (Tripp Lite SU80K).....	73,347.12	
27 29 00 00-2653	EA		Wall Mount 3-Breaker Bypass Panel With Kirk Key 240V for 80kVA 3-Phase UPS TAA / GSA (Tripp Lite SU80KMBPK).....	14,158.61	
27 29 00 00-2654	EA		80kVA Smart Online N+1 Modular UPS 3-Phase IGBT 220/415V (Tripp Lite SU80KX).....	61,108.05	
27 29 00 00-2655	EA		Additional Battery Compartment for all Models. Requires SURBC2030 Battery Packs. (Tripp Lite SUBF2030).....	5,239.08	
27 29 00 00-2656	EA		208V 3-Phase Distribution Cabinet for 20-60kVA UPS 42 Pole (Tripp Lite SUDC208V42P).....	7,276.50	
27 29 00 00-2657	EA		1000VA International UPS System SmartOnline Rack/Tower PureSine 230 Volt 6 Outlet 1 RS-232, SNMP Slot (Tripp Lite SUINT1000RTL2U).....	1,717.11	
			Note: Use BP36V15-2U for Extended Run		
27 29 00 00-2658	EA		1000VA International UPS System SmartOnline Tower PureSine 230 Volt 4 Outlet - 1000 VA 1 DB9 (Tripp Lite SUINT1000XL).....	1,352.12	
			Note: Use BP36V13 for Extended Run		
27 29 00 00-2659	EA		1500VA International UPS System SmartOnline Rack/Tower PureSine 230 Volt 6 Outlet - 1500 VA 1 RS-232, SNMP Slot (Tripp Lite SUINT1500RTL2U).....	1,907.90	
			Note: Use BP 48V24-2U for Extended Run		
27 29 00 00-2660	EA		2000VA International UPS System SmartOnline Tower PureSine 230V 8 Outlet 1 DB9, SNMP Slot. Use BP72V9 for Extended Run (Tripp Lite SUINT2000XL).....	2,109.75	
27 29 00 00-2661	EA		2200VA International UPS System SmartOnline Rack/Tower PureSine 230 Volt 6 Outlet - 2200 VA 1 RS-232, SNMP Slot (Tripp Lite SUINT2200RTL2U).....	3,033.28	
			Note: Use BP48V24-2U for Extended Run		
27 29 00 00-2662	EA		3000VA International UPS System SmartOnline Extended Run Rack/Tower PureSine Online, double-conversion 3kVA 200-240V 10 Outlet - USB, serial, contact closure, EPO and SNMP/Web card slot (Tripp Lite SUINT3000RTL2U).....	3,342.97	
27 29 00 00-2663	EA		3000VA International UPS System SmartOnline Rack/Tower PureSine 3kVA 230V 10 Outlet - 3000 VA 1 RS-232, SNMP Slot. Use BP72V12-2U or BP72V21-3U for Extended Run (Tripp Lite SUINT3000RTL3U).....	3,472.93	
27 29 00 00-2664	EA		3000VA International UPS System SmartOnline Tower PureSine 230V 3kVA 8 Outlet - 3000 VA 1 DB9, SNMP Slot. Use BP72V9 for Extended Run (Tripp Lite SUINT3000XL).....	3,251.72	
27 29 00 00-2665	EA		Alternate back panel for SU 6000RT3UHV model only. Converts from hardwired to L6-30P plug/cord set and two L6-30R outlets. 208V. (Tripp Lite SUPDM11).....	230.52	
27 29 00 00-2666	EA		Alternate back panel for distribution transformer module—SU 6000RT3U model only. Converts from hardwired to L6-30P plug/cord set and 13 outlets (ten 120V 15/20-ampers, two 208V L6-20R and one 208V L6-30R). (Tripp Lite SUPDM12).....	388.86	
27 29 00 00-2667	EA		Alternate back panel for distribution transformer module—SU 6000RT3U model only. Converts from hardwired to L6-30P plug/cord set and 13 outlets (ten 120V 15/20-ampers, two 240V L6-20R and one 240V L6-30R). (Tripp Lite SUPDM13).....	388.86	
27 29 00 00-2668	EA		For SU 5000RT4U and SU 6000RT4U models only. Independent detachable hardwired power distribution unit. (Tripp Lite SUPDM56HW).....	183.95	
27 29 00 00-2669	EA		Converts output for select UPS Systems to Hardwire PDU (Tripp Lite SUPDMB568HW).....	628.69	
27 29 00 00-2670	EA		Converts output for select UPS Systems to Hardwire PDU (Tripp Lite SUPDMB710HW).....	419.13	
27 29 00 00-2671	EA		Converts output for select UPS Systems to IEC320 outlets 200-240V (Tripp Lite SUPDMB710IEC).....	1,204.99	
27 29 00 00-2672	EA		6 outlets 6' cord 750 joules International Surge Suppressor 6 Universal Outlets/British Plug 230V (Tripp Lite SUPER6OMNI B).....	33.18	
27 29 00 00-2673	EA		6 outlets 6' cord 750 joules International Surge Suppressor 6 Universal Outlets/CEE Plug 230V (Tripp Lite SUPER6OMNI D).....	33.18	
27 29 00 00-2674	EA		7 outlets 6' cord 1270 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite SUPER6TEL).....	38.42	
27 29 00 00-2675	EA		7 outlets 12' cord 1270 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite SUPER6TEL12).....	55.88	
27 29 00 00-2676	EA		7 outlets 7' cord 2350 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite SUPER-7).....	36.09	
27 29 00 00-2677	EA		Surge Protector Strip 120V 7 Outlet 7ft Cord 2160 Joules Black (Tripp Lite SUPER7B).....	36.09	
27 29 00 00-2678	EA		7 outlets 7' cord 2350 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite SUPER7COAX).....	48.90	
27 29 00 00-2679	EA		7 outlets 7' cord 2470 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite SUPER7TEL).....	45.41	
27 29 00 00-2680	EA		7 outlets 15' cord 2720 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite SUPER7TEL15).....	72.18	
27 29 00 00-2681	EA		240 Volt DC Internal Battery Pack for Extended Runtime. (Tripp Lite SURBC2030).....	1,747.23	
27 29 00 00-2682	EA		Protect It! Surge 6 Swivel Outlets Direct Plug 1200 Joules (Tripp Lite SWIVEL6).....	30.85	
27 29 00 00-2683	EA		1200VA UPS System Extended Run Tower Line-Interactive 120V 6 Outlet - 1200 VA, 1 DB9 (Tripp Lite TE1200).....	1,008.52	
27 29 00 00-2684	EA		600VA UPS System Extended Run Tower Line-Interactive 120V 6 Outlet - 600 VA, 1 DB9 (Tripp Lite TE600).....	526.53	
27 29 00 00-2685	EA		10 outlets 15' cord Metal-receptacle series, master switch pilot light (Tripp Lite TLM1015NC).....	102.45	
27 29 00 00-2686	EA		3 outlets 6' cord Metal-receptacle series, master switch pilot light (Tripp Lite TLM306NC).....	41.91	
27 29 00 00-2687	EA		4 outlets 6' cord Metal-receptacle series, master switch pilot light (Tripp Lite TLM406NC).....	45.41	
27 29 00 00-2688	EA		6 outlets 6' cord 280 joules Metal housing, holds 3 transformers. (Tripp Lite TLM606).....	39.58	
27 29 00 00-2689	EA		6 outlets 6' cord 450 joules Metal housing, holds 3 transformers. (Tripp Lite TLM606HJ).....	43.08	
27 29 00 00-2690	EA		6 outlets 6' cord Metal-receptacle series, master switch pilot light (Tripp Lite TLM606NC).....	50.06	
27 29 00 00-2691	EA		6 outlets 9' cord GFCI plug, 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM609GF).....	96.63	

			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2692	EA	6 outlets 9' cord 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM609NS)	60.54		
27 29 00 00-2693	EA	6 outlets 9' cord 1200 joules 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM609SA)	65.78		
27 29 00 00-2694	EA	6 outlets 15' cord Metal-receptacle series, master switch pilot light (Tripp Lite TLM615NC)	62.87		
27 29 00 00-2695	EA	6 outlets 15' cord Metal-receptacle series, master switch pilot light, 20 amperes (Tripp Lite TLM615NC20)	146.69		
27 29 00 00-2696	EA	6 outlets 15' cord Metal-receptacle series, turned 90 degrees, master switch pilot light (Tripp Lite TLM615NCRA)	66.36		
27 29 00 00-2697	EA	6 outlets 15' cord 2400 joules 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM615SA)	80.91		
27 29 00 00-2698	EA	6 outlets 6' cord 450 joules Metal housing, holds 3 transformers. (Tripp Lite TLM626)	46.57		
27 29 00 00-2699	EA	6 outlets 6' cord 4 outlet safety covers (Tripp Lite TLM626NS)	36.09		
27 29 00 00-2700	EA	6 outlets 6' cord 420 joules 4 outlet safety covers (Tripp Lite TLM626SA)	43.08		
27 29 00 00-2701	EA	6 outlets 15' cord 450 joules Metal housing, holds 3 transformers. (Tripp Lite TLM626TEL15)	62.87		
27 29 00 00-2702	EA	8 outlets 12' cord GFCI plug, 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM812GF)	109.44		
27 29 00 00-2703	EA	8 outlets 12' cord 1200 joules 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM812SA)	77.42		
27 29 00 00-2704	EA	8 outlets 15' cord 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM815NS)	74.51		
27 29 00 00-2705	EA	8 outlets 25' cord GFCI plug, 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM825GF)	128.07		
27 29 00 00-2706	EA	8 outlets 25' cord 3600 joules 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM825SA)	111.42		
27 29 00 00-2707	EA	9 outlets 15' cord Metal-receptacle series, master switch pilot light, outlet on end (Tripp Lite TLM915NC)	68.69		
27 29 00 00-2708	EA	10 outlets 8' cord 2395 joules Protect It! Surge Suppressor holds 7 Transformers (Tripp Lite TLP1008TEL)	62.87		
27 29 00 00-2709	EA	10 outlets 8' cord 3345 joules Protect It! Surge Suppressor holds 7 Transformers (Tripp Lite TLP1008TELT)	69.85		
27 29 00 00-2710	EA	Surge Protector 120V 12 Outlet RJ11 RJ45 Coax 8ft Crd 2880 Joule (Tripp Lite TLP1208SAT)	80.33		
27 29 00 00-2711	EA	Surge Protector 12 Outlets, Tel/DSL, 8ft Cord, 2160 Joules (Tripp Lite TLP1208TEL)	67.53		
27 29 00 00-2712	EA	Surge Protector 12 Outlets, Tel/DSL, Coax, 8ft Cord, 2880 Joules (Tripp Lite TLP1208TELT)	79.17		
27 29 00 00-2713	EA	Eco Surge Protector Green 12 Outlet Tel/Coax 10ft Cord 3600 Joules (Tripp Lite TLP1210SATG)	158.34		
27 29 00 00-2714	EA	Intl Protect It! Surge 2 Schuko Type F outlets German Plug 2 USB Ports 380 Joules (Tripp Lite TLP2USBD)	47.73		
27 29 00 00-2715	EA	Intl Protect It! Surge 2 French Type E outlets and Plug 2 USB Ports 380 Joules (Tripp Lite TLP2USBF)	47.73		
27 29 00 00-2716	EA	4 outlets 4' cord 390 joules Protect It! Surge Suppressor holds 2 Transformers (Tripp Lite TLP404)	16.30		
27 29 00 00-2717	EA	Protect It! BLK Surge 4 outlet (2 Transformers) 4ft Cord 670 Joules (Tripp Lite TLP4BK)	20.96		
27 29 00 00-2718	EA	Intl Protect It! Surge 5 Schuko Type F outlets German Plug 280 Joules (Tripp Lite TLP51D)	33.18		
27 29 00 00-2719	EA	Intl Protect It! Surge 5 French Type E outlets and Plug 280 Joules (Tripp Lite TLP51F)	33.18		
27 29 00 00-2720	EA	6 outlets 2' cord 250 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite TLP602)	12.81		
27 29 00 00-2721	EA	6 outlets 4' cord 720 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite TLP604)	17.46		
27 29 00 00-2722	EA	6 outlets 4' cord 870 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite TLP604TEL)	20.96		
27 29 00 00-2723	EA	6 outlets 6' cord 750 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite TLP606)	20.96		
27 29 00 00-2724	EA	Protect It! BLK Surge 6 outlet (3 Transformers) 6ft Cord 750 Joules (Tripp Lite TLP606B)	20.96		
27 29 00 00-2725	EA	TAA Compliant Protect It! Surge 6 outlets 6 ft Cord 750 Joules (Tripp Lite TLP606TAA)	23.28		
27 29 00 00-2726	EA	Surge Protector Strip 6 Outlet RJ11 8ft Cord 990 Joules (Tripp Lite TLP608TEL)	30.85		
27 29 00 00-2727	EA	Surge Protector Strip 6 Outlet 15ft Cord 790 Joules (Tripp Lite TLP615)	44.24		
27 29 00 00-2728	EA	Intl Protect It! Surge 6 Schuko Type F outlets German Plug 1140 Joules (Tripp Lite TLP61D)	41.91		
27 29 00 00-2729	EA	Intl Protect It! Surge 6 French Type E outlets and Plug 1140 Joules (Tripp Lite TLP61F)	41.91		
27 29 00 00-2730	EA	Surge Protector 6 Outlet 4ft Cord 540 Joules (Tripp Lite TLP64)	32.02		
27 29 00 00-2731	EA	Surge Protector 6 Outlet RJ45 6ft Cord 1080 Joules (Tripp Lite TLP66NET)	50.64		
27 29 00 00-2732	EA	Surge Protector 6 Outlet RJ45 6ft Cord 1080 Joules TAA / GSA (Tripp Lite TLP66NETAA)	58.21		
27 29 00 00-2733	EA	Eco Surge Protector Green w/ Remote Control 6 Outlet 6ft Cord (Tripp Lite TLP66RCG)	72.76		
27 29 00 00-2734	EA	Surge Protector Strip 6 Outlet 6ft Cord 360 Joules Black (Tripp Lite TLP6B)	19.21		
27 29 00 00-2735	EA	Surge Protector Strip 120V 7 Outlet RJ11 6ft Cord 1440 Joule (Tripp Lite TLP706TELC)	38.42		
27 29 00 00-2736	EA	7 outlets 7' cord 1270 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite TLP707TEL)	37.26		
27 29 00 00-2737	EA	7 outlets 12' cord 1000 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite TLP712)	38.42		
27 29 00 00-2738	EA	Protect It! BLK Surge 7 outlet (4 Transformers) 12ft Cord 1000 Joules (Tripp Lite TLP712B)	38.42		
27 29 00 00-2739	EA	Protect It! Surge 7 outlet (4 Transformers) 25ft Cord 1000 Joules (Tripp Lite TLP725)	67.53		
27 29 00 00-2740	EA	Surge Protector 7 Right Angle Outlets 4ft Cord 540 Joules (Tripp Lite TLP74R)	22.12		
27 29 00 00-2741	EA	Surge Protector 7 Right Angle Outlets 4ft Cord 540 Joules Black (Tripp Lite TLP74RB)	22.12		
27 29 00 00-2742	EA	Eco Surge Protector Green Timer Controlled 7 Outlet 4ft Cord (Tripp Lite TLP74TG)	72.18		
27 29 00 00-2743	EA	Eco Green Surge Protector Switched 7 Outlet Conserve Energy (Tripp Lite TLP76MSG)	50.06		
27 29 00 00-2744	EA	Surge Protector Strip 120V Right Angle 7 Outlet RJ11 Black (Tripp Lite TLP76RBTEL)	29.34		
27 29 00 00-2745	EA	Eco Surge Protector Green Timer Controlled 7 Outlet USB 8ft Crd (Tripp Lite TLP78TUSBG)	95.47		
27 29 00 00-2746	EA	Surge Protector Strip 120V 8 Outlet RJ11 6ft Cord 2160 Joule (Tripp Lite TLP806TEL)	44.24		
27 29 00 00-2747	EA	8 outlets 8' cord 1900 joules Protect It! Surge Suppressor holds 6 Transformers (Tripp Lite TLP808)	45.41		
27 29 00 00-2748	EA	Eco Surge Protector Green 8 Outlet Tel/DSL 8ft Cord 2160 Joules (Tripp Lite TLP808NETG)	110.60		
27 29 00 00-2749	EA	8 outlets 8' cord 2820 joules Protect It! Surge Suppressor holds 6 Transformers (Tripp Lite TLP808TEL)	60.54		
27 29 00 00-2750	EA	TAA Compliant Protect It! Surge 8 outlets 8ft Cord 2820 Joules (Tripp Lite TLP808TELTAA)	62.87		
27 29 00 00-2751	EA	8 outlets 8' cord 3500 joules Protect It! Surge Suppressor holds 6 Transformers (Tripp Lite TLP808TELT)	69.85		
27 29 00 00-2752	EA	8 outlets 10' cord 3690 joules Protect It! Surge Suppressor holds 6 Transformers (Tripp Lite TLP810NET)	87.32		
27 29 00 00-2753	EA	8 outlets 10' cord 3570 joules Protect It! Surge Suppressor holds 6 Transformers (Tripp Lite TLP810SAT)	84.99		
27 29 00 00-2754	EA	Protect It! Surge 8 outlet (6 Transformers) 25ft Cord 1900 Joules (Tripp Lite TLP825)	75.68		
27 29 00 00-2755	EA	Intl Protect It! Surge 8 Schuko Type F outlets German Plug 2280 Joules (Tripp Lite TLP82D)	66.36		
27 29 00 00-2756	EA	Intl Protect It! Surge 8 French Type E outlets and Plug 2280 Joules (Tripp Lite TLP82F)	66.36		
27 29 00 00-2757	EA	Intl Protect It! Surge 8 Schuko Type F outlets German Plug Tel/Network 1140 Joules (Tripp Lite TLP82MASD)	103.62		
27 29 00 00-2758	EA	Intl Protect It! Surge 8 French Type E outlets and Plug Tel/Network 1140 Joules (Tripp Lite TLP82MASF)	103.62		
27 29 00 00-2759	EA	Intl Protect It! Surge 8 Schuko Type F outlets German Plug Tel/Network 2280 Joules (Tripp Lite TLP82NSATD)	95.47		
27 29 00 00-2760	EA	Intl Protect It! Surge 8 French Type E outlets and Plug Tel/Network 2280 Joules (Tripp Lite TLP82NSATF)	95.47		
27 29 00 00-2761	EA	6 OUTLETS 6' CORD 1850 JOULES Protect It! Under Monitor Surge Suppressor with Modem/Fax Protection (Tripp Lite TMC-6)	76.69		
27 29 00 00-2762	EA	6 outlets 6' cord 1500 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite TR-6)	66.94		
27 29 00 00-2763	EA	6 outlets 6' cord 2100 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite TR-6FM)	80.33		
27 29 00 00-2764	EA	1 outlets direct plug-in 950 joules Protect It! Portable Surge Suppressor holds 1 Transformer (Tripp Lite TRAVELCUBE)	17.46		
27 29 00 00-2765	EA	2 outlets direct plug-in 1050 joules Protect It! Portable Surge Suppressor holds 2 Transformers (Tripp Lite TRAVELER)	29.11		
27 29 00 00-2766	EA	2 outlets direct plug-in 1050 joules Protect It! Portable Surge Suppressor holds 2 Transformers (Tripp Lite TRAVELER100BT)	29.11		
27 29 00 00-2767	EA	Mobile Surge Protector with 3 outlets 2 USB 540 Joules (Tripp Lite TRAVELER3USB)	38.42		
27 29 00 00-2768	EA	2 (C6) 3-prong outlets in-line 820-1130 joules Protect It! Surge Suppressor For Laptop Use (Tripp Lite TRAVELERC6)	40.75		
27 29 00 00-2769	EA	2 (C8) 2-prong outlets in-line 820-1130 joules Protect It! Surge Suppressor For Laptop Use (Tripp Lite TRAVELERC8)	40.75		
27 29 00 00-2770	EA	TuneView remote only (Tripp Lite TVREM-200C)	249.15		
27 29 00 00-2771	EA	TuneView for iTunes (Tripp Lite TVU-200C)	320.17		

## 27 Communications

## 27 20 Data Communications

## 27 29 Data Communications Network Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2772	EA		USB A/A Extension Gold Cable A-M/F - 10' (Tripp Lite U004-010-R).....	19.27	
27 29 00 00-2773	EA		USB Right Angle Gold Extension Cable A-F/M(90deg) - 10' (Tripp Lite U005-10I).....	16.05	
27 29 00 00-2774	EA		USB over Cat5 Extension, up to 40M/125', USB A M/F (Tripp Lite U007-40M).....	200.73	
27 29 00 00-2775	EA		USB2.0 Certified A/B Device Cable - 3' (Tripp Lite U021-003).....	8.03	
27 29 00 00-2776	EA		USB 2.0 Gold A/B Device Cable - 6 ft. (Tripp Lite U022-006).....	8.63	
27 29 00 00-2777	EA		USB2.0 Certified Gold A/B Device Cable - 6' (Tripp Lite U022-006-R).....	14.45	
27 29 00 00-2778	EA		USB 2.0 Gold A/B Device Cable - 10 ft. (Tripp Lite U022-010).....	11.23	
27 29 00 00-2779	EA		USB2.0 Certified Gold A/B Device Cable - 10' (Tripp Lite U022-010-R).....	18.06	
27 29 00 00-2780	EA		USB2.0 Certified Gold A/B Device Cable - 15' (Tripp Lite U022-015).....	15.66	
27 29 00 00-2781	EA		3ft USB2.0 A/B Gld Device Cbl Ferrite Chokes A Male to B Male 3' (Tripp Lite U023-003).....	11.05	
27 29 00 00-2782	EA		USB2.0 Certified Gold A/B Device Cable with Ferrite Chokes - 6 ft. (Tripp Lite U023-006).....	11.85	
27 29 00 00-2783	EA		USB Gold Extension Cable for USB 2.0 Cables, A (M/F) - 6' (Tripp Lite U024-006).....	10.43	
27 29 00 00-2784	EA		USB Gold Extension Cable for USB 2.0 Cables, A (M/F) - 10' (Tripp Lite U024-010).....	13.24	
27 29 00 00-2785	EA		USB 2.0 Port A/A 6in Ext Cable Mobile Built-in Charging Hub (Tripp Lite U024-06N-HUB).....	24.09	
27 29 00 00-2786	EA		USB 2.0 Certified Active Extension Cable - 16 ft. (Tripp Lite U026-016).....	64.24	
27 29 00 00-2787	EA		10M USB2.0 A/A Hi-Speed Active Extension / Repeater Cable 33ft (Tripp Lite U026-10M).....	92.34	
27 29 00 00-2788	EA		20M USB2.0 A/A Hi-Speed Active Extension / Repeater Cable 65' (Tripp Lite U026-20M).....	132.48	
27 29 00 00-2789	EA		USB2.0 A to 4-Pin Mini B Gold Cable - 6' (Tripp Lite U028-006).....	8.03	
27 29 00 00-2790	EA		6-ft. USB 2.0 A to 4-Pin "Round" Mini B Gold Cable (Tripp Lite U029-006).....	8.03	
27 29 00 00-2791	EA		3ft USB2.0 A to Mini-B Gold Device Cable A M to 5Pin Mini-B M 3' (Tripp Lite U030-003).....	8.03	
27 29 00 00-2792	EA		USB2.0 A to 5-Pin Mini B Gold Cable - 6' (Tripp Lite U030-006).....	8.83	
27 29 00 00-2793	EA		USB 2.0 6in Cable 5 pin mini-B Mobile Built-in Charging Hub (Tripp Lite U030-06N-HUB).....	24.09	
27 29 00 00-2794	EA		Retractable USB 2.0 Device Cable, USB A (M)/USB B (M) - 4' (Tripp Lite U032-004-R).....	20.07	
27 29 00 00-2795	EA		USB2.0 A/B Repeater Cable, 36' (Tripp Lite U042-036).....	98.36	
27 29 00 00-2796	EA		USB2.0 A-M to Micro-USB 5-pin B-M Device Cable, 3' (Tripp Lite U050-003).....	12.05	
27 29 00 00-2797	EA		USB2.0 A-M to Micro-USB 5-pin B-M Device Cable, 6' (Tripp Lite U050-006).....	14.06	
27 29 00 00-2798	EA		10ft USB2.0 A to Micro-USB B Device Cable A M to Micro-B M 10' (Tripp Lite U050-010).....	22.08	
27 29 00 00-2799	EA		USB to IEEE Gold Parallel Printer Adapter Cable USB A/C36M - 6' (Tripp Lite U206-006-R).....	80.29	
27 29 00 00-2800	EA		USB to IEEE Parallel Printer Adapter Cable USB A Male to DB25 Female - 6 ft. (Tripp Lite U207-006).....	42.16	
27 29 00 00-2801	EA		USB to Serial Adapter (Tripp Lite U209-000-R).....	60.22	
27 29 00 00-2802	EA		4 Port USB 2.0 Peripheral Sharing Switch. Connects up to four PCs to one printer. (Tripp Lite U215-004-R).....	132.48	
27 29 00 00-2803	EA		USB PS/2 Adapter (Tripp Lite U219-000-R).....	35.33	
27 29 00 00-2804	EA		4 Port USB 2.0 Certified Self- or Bus-Powered Ultra-Mini Compact Hub, x4 A (F)/x1 A (M) (Tripp Lite U222-004-R).....	72.27	
27 29 00 00-2805	EA		7 Port USB 2.0 Certified Self- or Bus-Powered Hub, x7 A (F)/x1 A (M) (Tripp Lite U222-007-R).....	110.40	
27 29 00 00-2806	EA		USB 2.0 Hi-Speed Hub 10-Port w/ 2 Swivel (Tripp Lite U222-010-R).....	140.51	
27 29 00 00-2807	EA		4-Port Industrial USB 2.0 Hub Heavy Duty 15kV ESD Immunity (Tripp Lite U223-004-IND).....	337.22	
27 29 00 00-2808	EA		USB 4Port Hub with 1 Remote Port over Cat5 (Tripp Lite U224-1R4-R).....	260.95	
27 29 00 00-2809	EA		USB 4Port Remote Hub over Cat5 (Tripp Lite U224-4R4-R).....	260.95	
27 29 00 00-2810	EA		4 Port USB 2.0 Certified Hub, x4 A (F)/x1 A (M) (Tripp Lite U225-004-R).....	56.20	
27 29 00 00-2811	EA		USB2.0 Hub with File Transfer Functionality - 3Port (Tripp Lite U227-FT3-R).....	116.42	
27 29 00 00-2812	EA		4-Pot USB 2.0 Share Switch with File Transfer (Tripp Lite U230-204-R).....	281.02	
27 29 00 00-2813	EA		USB 2.0 Universal High-Speed File Transfer Cable (PC or Mac), 6ft (Tripp Lite U233-006-MP-R).....	88.32	
27 29 00 00-2814	EA		USB 2.0 High-Speed File Transfer Cable (PC to PC), 6ft (Tripp Lite U233-006-PP-R).....	80.29	
27 29 00 00-2815	EA		USB 2.0 to Ethernet Adapter 10/100 Mbps (Tripp Lite U236-000-R).....	80.29	
27 29 00 00-2816	EA		USB 2.0 to SATA/ IDE Combo Adapter ( For 2.5" or 3.5 SATA and IDE Hard Drivers) - USB A(M) - 7 Pin SATA(F), 40 Pin IDE(F), 44 Pin IDE (F) - 1' (Tripp Lite U238-000).....	132.48	
27 29 00 00-2817	EA		SATA Hard Drive Cradle / Docking Station USB2.0 / eSATA Windows And Macintosh compatible (Tripp Lite U239-UE1).....	132.48	
27 29 00 00-2818	EA		USB2.0 to HDMI Display Adapter, PC / Laptop to HDTV (Tripp Lite U244-001-HDMI-R).....	258.94	
27 29 00 00-2819	EA		USB2.0 to DVI-I/VGA Adapter (Tripp Lite U244-001-R).....	248.90	
27 29 00 00-2820	EA		USB 2.0 to VGA Adapter (Tripp Lite U244-001-VGA-R).....	220.80	
27 29 00 00-2821	EA		USB 3.0 Super Speed 5Gbps A-B Device Cable 3ft (Tripp Lite U322-003).....	28.10	
27 29 00 00-2822	EA		USB 3.0 Super Speed 5Gbps A-B Device Cable 6ft (Tripp Lite U322-006).....	34.13	
27 29 00 00-2823	EA		USB 3.0 Super Speed 5Gbps A-B Device Cable 10ft (Tripp Lite U322-010).....	38.14	
27 29 00 00-2824	EA		USB 3.0 Super Speed 5Gbps A-B Device Cable 15ft (Tripp Lite U322-015).....	52.19	
27 29 00 00-2825	EA		USB 3.0 Super Speed 5Gbps A Male - A Female Ext Cable 6ft (Tripp Lite U324-006).....	34.13	
27 29 00 00-2826	EA		USB 3.0 Super Speed 5Gbps A Male - A Female Ext Cable 10ft (Tripp Lite U324-010).....	38.14	
27 29 00 00-2827	EA		USB 3.0 Super Speed 5Gbps A to Micro B Device Cable 3ft (Tripp Lite U326-003).....	32.12	
27 29 00 00-2828	EA		USB 3.0 Super Speed 5Gbps A to Micro B Device Cable 6ft (Tripp Lite U326-006).....	40.15	
27 29 00 00-2829	EA		USB 3.0 Super Speed 5Gbps A to Micro B Device Cable 10ft (Tripp Lite U326-010).....	50.18	
27 29 00 00-2830	EA		5M USB3.0 Super Speed A/A Active Extension Cable USB-A M/F 16ft (Tripp Lite U330-05M).....	100.37	
27 29 00 00-2831	EA		USB 3.0 SuperSpeed to SATA Adapter Cable (Tripp Lite U338-000).....	140.51	
27 29 00 00-2832	EA		USB 3.0 SuperSpeed to SATA Adapter Cable (Tripp Lite U338-000-R).....	140.51	
27 29 00 00-2833	EA		USB 3.0 to SATA Hard Drive Quick Dock 5 Gbps Plug And Play (Tripp Lite U339-000).....	140.51	
27 29 00 00-2834	EA		USB 3.0 to HDMI Adapter 2048 x 1152 / 60 Hertz Video Resolution (Tripp Lite U344-001-HDMI-R).....	337.22	
27 29 00 00-2835	EA		USB 3.0 to DVI or VGA Adapter 2048 x 1152 60 Hertz Video Resolution (Tripp Lite U344-001-R).....	321.17	
27 29 00 00-2836	EA		USB 3.0 Multi-Drive SD / CF / MS 5Gbps Plug and Play Card Reader (Tripp Lite U352-000-MD).....	120.44	
27 29 00 00-2837	EA		USB 3.0 Super Speed SDXC Card Reader 5Gbps Transfer Plug And Play (Tripp Lite U352-000-SD-R).....	64.24	
27 29 00 00-2838	EA		USB 3.0 SuperSpeed External 2.5" SATA Hard Drive Enclosure (Tripp Lite U357-025-R).....	100.37	
27 29 00 00-2839	EA		USB 3.0 SuperSpeed 4-Port Hub (Tripp Lite U360-004-R).....	188.69	
27 29 00 00-2840	EA		USB 3.0 Charging Hub - 2 USB 3.0; 4 USB 2.0; 1 Charging iPad2 (Tripp Lite U360-412).....	160.58	
27 29 00 00-2841	EA		USB Power Adapter for iPod, Cell Phones And More (Black) (Tripp Lite UAC-1B).....	34.93	
27 29 00 00-2842	EA		Relocateable Power Taps, 9 outlets, 15' cord, Metal-Receptacle Series, no switch, outlet on end. Blue/Gray Color w/tabs (Tripp Lite UL17CB-15).....	78.59	
27 29 00 00-2843	EA		Relocateable Power Taps, 6 outlets, 15' cord, Metal-Receptacle Series, switch pilot light. Blue/Gray Color w/tabs (Tripp Lite UL24CB-15).....	70.73	
27 29 00 00-2844	EA		Relocateable Power Taps, 6 outlets, 15' cord, Metal-Receptacle, turned 90 degrees, switch pilot light. Blue/Gray Color w/tabs (Tripp Lite UL24RA-15).....	73.35	
27 29 00 00-2845	EA		Relocateable Power Taps, 4 outlets, 6' cord, Metal-Receptacle Series, no switch. Blue/Gray Color w/tabs (Tripp Lite UL603CB-6).....	47.15	
27 29 00 00-2846	EA		Relocateable Power Taps, 6 outlets, 15' cord, Metal-Duplex Series, switch pilot light. 20 Amperes. Blue/Gray Color w/tabs (Tripp Lite UL620-15).....	166.34	
27 29 00 00-2847	EA		Relocateable Power Taps, 10 outlets, 15' cord, Metal-receptable Series, master switch pilot light. Black color w/tabs (Tripp Lite UL800CB-15).....	112.64	
27 29 00 00-2848	EA		2 OUTLETS Direct Plug-In 600 JOULES Isobar Ultra Surge Suppressor 15-Ampere (Tripp Lite ULTRABLOK).....	54.72	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2849	EA			2 OUTLETS Direct Plug-In 600 JOULES Isobar Ultra Surge Suppressor with Modem/Fax Protection (Tripp Lite ULTRAFAX).....	79.17	
27 29 00 00-2850	EA			IEC-320 C13 Outlet Adapter for Intl Plugs (Tripp Lite UNIPUGINT) .....	10.19	
27 29 00 00-2851	EA			SmartRack UPS Front Rail Mounting Bracket (Tripp Lite UPSHDEARKIT) .....	82.52	
27 29 00 00-2852	EA			Wallmount Bracket for most tower UPS models. Visit: www.tripplite.com (Tripp Lite UPSWM).....	247.40	
27 29 00 00-2853	EA			Digital Media Remote for iTunes (Tripp Lite URM-15T).....	93.14	
27 29 00 00-2854	EA			4 Port USB Device Server - Int (Tripp Lite US-4AI).....	221.21	
27 29 00 00-2855	EA			USB High Speed Serial Adapter (Tripp Lite USA-19HS).....	65.49	
27 29 00 00-2856	EA			USB Twin Serial Adapter ROHS (Tripp Lite USA-28XG).....	325.19	
27 29 00 00-2857	EA			4 Port Serial Adapter RoHS (Tripp Lite USA-49WG).....	320.17	
27 29 00 00-2858	EA			1250W 12V DC to AC Inverter for Utility/Work Truck w/ 2 GFCI Outlets (Tripp Lite UT1250UL).....	1,296.67	
27 29 00 00-2859	EA			2000W 12V DC to AC Inverter for Utility/Work Truck w/ 2 GFCI Outlets (Tripp Lite UT2012UL).....	2,030.14	
27 29 00 00-2860	EA			750W 12V DC to AC Inverter for Utility/Work Truck w/ 2 GFCI Outlets (Tripp Lite UT750UL).....	1,034.72	
27 29 00 00-2861	EA			5-16kVA UPS + BP Regular Business Hours Startup in Service Area (Tripp Lite W02-BW0).....	2,619.54	
27 29 00 00-2862	EA			5-16kVA UPS + BP Regular Business Hours Startup +1yr Onsite Warranty in Service Area (Tripp Lite W02-BW1-1BD).....	4,715.17	
27 29 00 00-2863	EA			5-16kVA UPS + BP Regular Business Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02-BW1-247).....	5,370.06	
27 29 00 00-2864	EA			5-16kVA UPS + BP Regular Business Hours Startup +2yr Onsite Warranty in Service Area (Tripp Lite W02-BW2-1BD).....	6,810.80	
27 29 00 00-2865	EA			5-16kVA UPS + BP Regular Business Hours Startup +2yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02-BW2-247).....	8,120.57	
27 29 00 00-2866	EA			5-16kVA UPS + BP Regular Business Hours Startup +3yr OnSite Warranty in Service Area (Tripp Lite W02-BW3-1BD).....	8,906.44	
27 29 00 00-2867	EA			5-16kVA UPS + BP Regular Business Hours Startup +3yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02-BW3-247).....	10,871.09	
27 29 00 00-2868	EA			5-16kVA UPS + BP Eve/Wknd Hours Startup in Service Area (Tripp Lite W02-EW0).....	3,929.31	
27 29 00 00-2869	EA			5-16kVA UPS + BP Eve/Wknd Hours Startup +1yr Onsite Warranty in Service Area (Tripp Lite W02-EW1-1BD).....	6,024.94	
27 29 00 00-2870	EA			5-16kVA UPS + BP Eve/Wknd Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02-EW1-247).....	6,679.83	
27 29 00 00-2871	EA			5-16kVA UPS + BP Eve/Wknd Hours Startup +2yr Onsite Warranty in Service Area (Tripp Lite W02-EW2-1BD).....	8,120.57	
27 29 00 00-2872	EA			5-16kVA UPS + BP Eve/Wknd Hours Startup +2yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02-EW2-247).....	9,430.34	
27 29 00 00-2873	EA			5-16kVA UPS + BP Eve/Wknd Hours Startup +3yr Onsite Warranty in Service Area (Tripp Lite W02-EW3-1BD).....	10,216.21	
27 29 00 00-2874	EA			5-16kVA UPS + BP Eve/Wknd Hours Startup +3yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02-EW3-247).....	12,180.86	
27 29 00 00-2875	EA			20-40kVA UPS Regular Business Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W05-BW1-247).....	4,453.22	
27 29 00 00-2876	EA			20-40kVA UPS+1BP Regular Business Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W05-BW1-247-1B).....	6,286.90	
27 29 00 00-2877	EA			20-40kVA UPS Eve/Wknd Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W05-EW1-247).....	5,762.99	
27 29 00 00-2878	EA			20-40kVA UPS+1BP Eve/Wknd Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W05-EW1-247-1B).....	8,513.50	
27 29 00 00-2879	EA			20-40kVA UPS Prevent Maint AllHrs +1yr Onsite Warranty in Service Area (Tripp Lite W05-SCBAS1).....	10,871.09	
27 29 00 00-2880	EA			20-40kVA UPS +1BP Prevent Maint AllHrs +1yr Onsite Warranty in Service Area (Tripp Lite W05-SCBAS1-1B).....	12,442.82	
27 29 00 00-2881	EA			20-40kVA UPS Prevent Maint Eve/Wknd Hours +1yr Onsite Warranty in Service Area (Tripp Lite W05-SCENH1).....	12,115.37	
27 29 00 00-2882	EA			20-40kVA UPS +1BP Prevent Maint Eve/Wknd Hours +1yr Onsite Warranty in Service Area (Tripp Lite W05-SCENH1-1B).....	13,883.56	
27 29 00 00-2883	EA			60-80kVA UPS Startup Regular Business Hours +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W06-BW1-247).....	5,239.08	
27 29 00 00-2884	EA			60-80kVA UPS+1BP Startup Regular Business Hours +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W06-BW1-247-1B).....	7,334.71	
27 29 00 00-2885	EA			60-80kVA UPS Startup Eve/Wknd Hours +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W06-EW1-247).....	6,548.85	
27 29 00 00-2886	EA			60-80kVA UPS+1BP Startup Eve/Wknd Hours And 1 year 24/7 Onsite Warranty in Service Area (Tripp Lite W06-EW1-247-1B).....	9,168.39	
27 29 00 00-2887	EA			60-80kVA UPS Prevent Maint All Hours And 1 year Onsite Warranty in Service Area (Tripp Lite W06-SCBAS1).....	10,661.53	
27 29 00 00-2888	EA			60-80kVA UPS+1BP Maint AllHrs And 1 year Onsite Warranty in Service Area (Tripp Lite W06-SCBAS1-1B).....	14,040.73	
27 29 00 00-2889	EA			60-80kVA UPS Prevent Maint Eve/Wknd Hours and 1yr Onsite Warranty in Service Area (Tripp Lite W06-SCENH1).....	11,264.02	
27 29 00 00-2890	EA			60-80kVA UPS+1BP Maint Eve/Wknd Hours And 1 year Onsite Warranty in Service Area (Tripp Lite W06-SCENH1-1B).....	15,009.96	
27 29 00 00-2891	EA			WatchDog Service Monitoring/Rebooting Software. (Tripp Lite WATCHDOG).....	72.76	
27 29 00 00-2892	EA			3-Year Extended Warranty Coverage for 2200-3000VA Smart Pro And Smart Online UPS (Tripp Lite WEXT3-2200-3000).....	209.56	
27 29 00 00-2893	EA			3-Year Extended Warranty Coverage for SMART5000RT3U UPS (Tripp Lite WEXT3-5000).....	644.41	
27 29 00 00-2894	EA			3-Year Extended Warranty Coverage for SMART5000TEL3U UPS (Tripp Lite WEXT3-5000TEL).....	450.56	
27 29 00 00-2895	EA			3-Year Extended Warranty Coverage for SMART5000RT3UXR UPS (Tripp Lite WEXT3-5000XR).....	890.64	
27 29 00 00-2896	EA			3-Year Extended Warranty Coverage for 500-1500VA Smart Pro And Smart Online UPS (Tripp Lite WEXT3-500-1500).....	104.78	
27 29 00 00-2897	EA			3-Year Extended Warranty Coverage for BP192V12 Battery Pack (Tripp Lite WEXT3-BP192V12).....	235.76	
27 29 00 00-2898	EA			3-Year Extended Warranty Coverage for BP192V18 Battery Pack (Tripp Lite WEXT3-BP192V18).....	392.93	
27 29 00 00-2899	EA			3-Year Extended Warranty Coverage for BP240V10 Battery Pack (Tripp Lite WEXT3-BP240V10).....	175.51	
27 29 00 00-2900	EA			3-Year Extended Warranty Coverage for 24 Volt Battery Pack (Tripp Lite WEXT3-BP24V).....	123.12	
27 29 00 00-2901	EA			3-Year Extended Warranty Coverage for 36 Volt Battery Pack (Tripp Lite WEXT3-BP36V).....	123.12	
27 29 00 00-2902	EA			3-Year Extended Warranty Coverage for 48 Volt Battery Pack (Tripp Lite WEXT3-BP48V).....	140.15	
27 29 00 00-2903	EA			3-Year Extended Warranty Coverage for BP48V24-2U Battery Pack (Tripp Lite WEXT3-BP48V24).....	88.80	
27 29 00 00-2904	EA			3-Year Extended Warranty Coverage for BP48V48RT4U Battery Pack (Tripp Lite WEXT3-BP48V48).....	192.01	
27 29 00 00-2905	EA			3-Year Extended Warranty Coverage for BP48V60-3U Battery Pack (Tripp Lite WEXT3-BP48V60).....	175.51	
27 29 00 00-2906	EA			3-Year Extended Warranty Coverage for 72V Battery Pack (Tripp Lite WEXT3-BP72V).....	140.15	
27 29 00 00-2907	EA			3-Year Extended Warranty Coverage for ENVIROSENSE (Tripp Lite WEXT3-ENVIRO).....	70.73	
27 29 00 00-2908	EA			3-YR Extended Warranty for Console KVM Switches (Tripp Lite WEXT3-KVM-CONS).....	1,440.75	
27 29 00 00-2909	EA			3-YR Extended Warranty for Rackmount Non-Console KVM Switches (Tripp Lite WEXT3-KVM-RMNC).....	2,881.49	
27 29 00 00-2910	EA			3-Year Extended Warranty Coverage for Omni Smart And Omni Pro UPS (Tripp Lite WEXT3-OMNI).....	104.78	
27 29 00 00-2911	EA			3-Year Extended Warranty Coverage for PDUHM15AT and PDUHM20AT (Tripp Lite WEXT3-PDU-AT).....	75.97	
27 29 00 00-2912	EA			3-Year Extended Warranty Coverage for Switched PDU's ending with ATNET (Tripp Lite WEXT3-PDU-ATNET).....	94.30	
27 29 00 00-2913	EA			3-Year Extended Warranty Coverage for Switched PDU's ending with HVNET (Tripp Lite WEXT3-PDU-HVNET).....	104.78	
27 29 00 00-2914	EA			3-Year Extended Warranty Coverage for MN Monitored PDU's (Tripp Lite WEXT3-PDU-MN).....	91.68	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2915	EA		3-Year Extended Warranty Coverage for Switched PDU's ending with NET (Tripp Lite WEXT3-PDU-NET).....	125.74	
27 29 00 00-2916	EA		3-Year Extended Warranty Coverage for SNMPWEBCARD And SNMPWEBSOLO (Tripp Lite WEXT3-SNMP).....	70.73	
27 29 00 00-2917	EA		3-Year Extended Warranty Coverage for SRCOOL12K (Tripp Lite WEXT3-SRCOOL12K) .....	353.64	
27 29 00 00-2918	EA		3-Year Extended Warranty Coverage for SU10KRT3U UPS (Tripp Lite WEXT3-SU10K) .....	1,254.76	
27 29 00 00-2919	EA		3-Year Extended Warranty Coverage for SU10KRT3UHV UPS (Tripp Lite WEXT3-SU10KHV) .....	1,016.38	
27 29 00 00-2920	EA		3-YR Ext Warranty For SU16K - SU20K Single-Phase UPS Models (Tripp Lite WEXT3-SU16-20K).....	1,990.85	
27 29 00 00-2921	EA		3-Year Extended Warranty Coverage for Smart Online 5000VA UPS (Tripp Lite WEXT3-SU5000) .....	730.85	
27 29 00 00-2922	EA		3-Year Extended Warranty Coverage for Smart Online 5000VA HV UPS (Tripp Lite WEXT3-SU5000HV).....	610.35	
27 29 00 00-2923	EA		3-Year Extended Warranty Coverage for Smart Online 6000VA UPS (Tripp Lite WEXT3-SU6000) .....	890.64	
27 29 00 00-2924	EA		3-Year Extended Warranty Coverage for Smart Online 6000VA HV UPS (Tripp Lite WEXT3-SU6000HV).....	707.28	
27 29 00 00-2925	EA		3-Year Extended Warranty Coverage for SU6000RT3UXR UPS (Tripp Lite WEXT3-SU6000XR).....	1,097.59	
27 29 00 00-2926	EA		3-Year Extended Warranty Coverage for Smart Online 8000VA UPS (Tripp Lite WEXT3-SU8000) .....	908.98	
27 29 00 00-2927	EA		5-Year Extended Warranty Coverage for 2200-3000VA Smart Pro And Smart Online UPS (Tripp Lite WEXT5-2200-3000) .....	576.30	
27 29 00 00-2928	EA		5-Year Extended Warranty Coverage for 5000VA Smart Online And Smart Pro UPS (Tripp Lite WEXT5-5000) .....	1,930.60	
27 29 00 00-2929	EA		5-Year Extended Warranty Coverage for SMART5000TEL3U UPS (Tripp Lite WEXT5-5000TEL).....	1,351.68	
27 29 00 00-2930	EA		5-Year Extended Warranty Coverage for SMART5000RT3UXR UPS (Tripp Lite WEXT5-5000XR) .....	2,669.31	
27 29 00 00-2931	EA		5-Year Extended Warranty Coverage for 500-1500VA Smart Pro And Smart Online UPS (Tripp Lite WEXT5-500-1500).....	288.15	
27 29 00 00-2932	EA		5-Year Extended Warranty Coverage for BC Personal UPS (Tripp Lite WEXT5-BCPERS) .....	192.54	
27 29 00 00-2933	EA		5-Year Extended Warranty Coverage for BC Pro UPS (Tripp Lite WEXT5-BCPRO).....	288.15	
27 29 00 00-2934	EA		5-Year Extended Warranty Coverage for BP192V12 Battery Pack (Tripp Lite WEXT5-BP192V12).....	702.04	
27 29 00 00-2935	EA		5-Year Extended Warranty Coverage for BP192V18 Battery Pack (Tripp Lite WEXT5-BP192V18).....	1,178.79	
27 29 00 00-2936	EA		5-Year Extended Warranty Coverage for BP240V10-3U Battery Pack (Tripp Lite WEXT5-BP240V10).....	523.91	
27 29 00 00-2937	EA		5-Year Extended Warranty Coverage for 24 Volt Battery Pack (Tripp Lite WEXT5-BP24V).....	335.30	
27 29 00 00-2938	EA		5-Year Extended Warranty Coverage for 36 Volt Battery Pack (Tripp Lite WEXT5-BP36V).....	335.30	
27 29 00 00-2939	EA		5-Year Extended Warranty Coverage for 48 Volt Battery Pack (Tripp Lite WEXT5-BP48V).....	385.07	
27 29 00 00-2940	EA		5-Year Extended Warranty Coverage for BP48V24-2U / TAA Battery Pack (Tripp Lite WEXT5-BP48V24) .....	266.41	
27 29 00 00-2941	EA		5-Year Extended Warranty Coverage for BP48V48RT4U Battery Pack (Tripp Lite WEXT5-BP48V48).....	576.04	
27 29 00 00-2942	EA		5-Year Extended Warranty Coverage for BP48V60-3U Battery Pack (Tripp Lite WEXT5-BP48V60) .....	523.91	
27 29 00 00-2943	EA		5-Year Extended Warranty Coverage for 72V Battery Pack (Tripp Lite WEXT5-BP72V).....	385.07	
27 29 00 00-2944	EA		5-Year Extended Warranty Coverage for ENVIROSENSE (Tripp Lite WEXT5-ENVIRO).....	192.54	
27 29 00 00-2945	EA		5-Year Extended Warranty Coverage for Internet Office UPS (Tripp Lite WEXT5-INTERNET).....	130.98	
27 29 00 00-2946	EA		5-YR Extended Warranty for Console KVM Switches (Tripp Lite WEXT5-KVM-CONS).....	2,881.49	
27 29 00 00-2947	EA		5-YR Extended Warranty for Rackmount Non-Console KVM Switches (Tripp Lite WEXT5-KVM-RMNC).....	5,762.99	
27 29 00 00-2948	EA		5-Year Extended Warranty Coverage for Omni Smart And Omni Pro UPS (Tripp Lite WEXT5-OMNI) .....	288.15	
27 29 00 00-2949	EA		5-Year Extended Warranty Coverage for PDUMH15AT and PDUMH20AT (Tripp Lite WEXT5-PDU-AT).....	222.66	
27 29 00 00-2950	EA		5-Year Extended Warranty Coverage for Switched PDU's ending with ATNET (Tripp Lite WEXT5-PDU-ATNET).....	280.29	
27 29 00 00-2951	EA		5-Year Extended Warranty Coverage for Switched PDU's ending with HVNET (Tripp Lite WEXT5-PDU-HVNET).....	309.11	
27 29 00 00-2952	EA		5-Year Extended Warranty Coverage for MN Monitored PDU's (Tripp Lite WEXT5-PDU-MN).....	248.86	
27 29 00 00-2953	EA		5-Year Extended Warranty Coverage for Switched PDU's ending with NET (Tripp Lite WEXT5-PDU-NET).....	377.21	
27 29 00 00-2954	EA		5-Year Extended Warranty Coverage for SNMPWEBCARD And SNMPWEBSOLO (Tripp Lite WEXT5-SNMP).....	192.54	
27 29 00 00-2955	EA		5-Year Extended Warranty Coverage for SRCOOL12K (Tripp Lite WEXT5-SRCOOL12K) .....	707.28	
27 29 00 00-2956	EA		5-Year Extended Warranty Coverage for SU10KRT3U UPS (Tripp Lite WEXT5-SU10K) .....	3,761.66	
27 29 00 00-2957	EA		5-Year Extended Warranty Coverage for SU10KRT3UHV UPS (Tripp Lite WEXT5-SU10KHV) .....	3,046.52	
27 29 00 00-2958	EA		5-YR Ext Warranty For SU16K - SU20K Single-Phase UPS Models (Tripp Lite WEXT5-SU16-20K) .....	5,972.55	
27 29 00 00-2959	EA		5-Year Extended Warranty Coverage for Smart Online 5000VA UPS (Tripp Lite WEXT5-SU5000) .....	2,192.56	
27 29 00 00-2960	EA		5-Year Extended Warranty Coverage for Smart Online 5000VA HV UPS (Tripp Lite WEXT5-SU5000HV).....	1,831.06	
27 29 00 00-2961	EA		5-Year Extended Warranty Coverage for Smart Online 6000VA UPS (Tripp Lite WEXT5-SU6000) .....	2,669.31	
27 29 00 00-2962	EA		5-Year Extended Warranty Coverage for Smart Online 6000VA HV UPS (Tripp Lite WEXT5-SU6000HV).....	2,119.21	
27 29 00 00-2963	EA		5-Year Extended Warranty Coverage for SU6000RT3UXR UPS (Tripp Lite WEXT5-SU6000XR).....	3,292.76	
27 29 00 00-2964	EA		5-Year Extended Warranty Coverage for Smart Online 8000VA UPS (Tripp Lite WEXT5-SU8000) .....	2,726.94	

**27 30 Voice Communications** (27)

**27 31 Voice Communications Switching and Routing Equipment** (27 30)

Note: Includes testing of new devices and certification.

**27 31 13 PBX/Key Systems** (27 31)

**27 31 13 00-0001 Interior PBX Telephone System** (27 31 13)

Note: Includes telephone instruments cabling and solid state switching.

**27 31 13 00-0002 Interior PBX Telephone System** (27 31 13 00-0001)

Note: Cost is for each line up to 1000 lines.

27 31 13 00-0003	EA	1 Line PBX Connection, Cost Per Each Line Up To 1,000.....	1,421.48	501.73
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**27 31 13 00-0004 Additional Telephones Less Solid State Switching (PBX)** (27 31 13 00-0001)

27 31 13 00-0005	EA	Add For Each Additional PBX Phone Line Less Solid State Switching .....	459.61	39.47
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**27 31 13 00-0006 Telephones** (27 31 13 00-0001)

27 31 13 00-0007	EA	Telephones, Desk Type Intercommunication Equipment.....	183.01	37.54
27 31 13 00-0008	EA	Telephones, Wall Type Intercommunication Equipment.....	208.31	50.06

**27 32 Voice Communications Terminal Equipment** (27 30)

Note: Includes testing of new devices and certification.

**27 32 13 Telephone Sets** (27 32)

**27 32 13 00-0001 Interior Telephone Components** (27 32 13)

27 32 13 00-0002	EA	Solid State Exchange Unit With Power Supply .....	5,484.72	879.64
27 32 13 00-0003	EA	Dial Telephone - Handset In Cabinet.....	653.41	71.91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 32 13 00-0004	EA		Elevator Cab Telephone With Trailer Cable.....	337.82	77.10
27 32 13 00-0005	EA		Loud Ring Bell, 6".....	266.75	71.52
27 32 13 00-0006	EA		Audio/Visual Indicator.....	336.28	67.39
27 32 13 00-0007	EA		Administrative Telephone With Digital Display.....	348.78	60.45
27 32 13 00-0008	EA		Processing Unit For 16 Station System.....	1,757.86	493.14
27 32 13 00-0009	EA		Handset For 16 Station System.....	246.90	49.10
27 32 13 00-0010	EA		Handset In Cabinet, For 16 Station System.....	334.42	66.22
27 32 13 00-0011	MLF		20 Conductor Unshielded Cable, #22.....	2,329.10	1,061.47
27 32 13 00-0012	EA		Power Supply For 16 Station System.....	321.06	131.01
27 32 13 00-0013	EA		Intercom Terminal Board.....	288.58	147.47
27 32 13 00-0014	EA		Power Supply For Five Station System, 24 Volt DC.....	332.96	131.01
27 32 13 00-0015	EA		Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick.....	160.83	53.81
27 32 13 00-0016	EA		Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep.....	495.47	118.44
27 32 13 00-0017	EA		Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep.....	584.34	134.62
27 32 13 00-0018	EA		Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep.....	708.10	159.33
27 32 13 00-0019	EA		Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep.....	833.34	172.26
27 32 13 00-0020	EA		Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep.....	1,288.61	196.00
27 32 13 00-0021	EA		Ring Rung 3".....	10.23	5.37
27 32 13 00-0022	EA		G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID.....	25.35	9.53
27 32 13 00-0023	EA		G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing.....	46.45	19.54

**27 32 13 00-0024 Interior Telephone Accessories (27 32 13)**

27 32 13 00-0025	EA		Blank Telephone Receptacle, Exposed Devices - Complete.....	10.76	5.19
27 32 13 00-0026	EA		4-Pin Telephone Receptacle, Exposed Devices - Complete.....	23.33	20.03
27 32 13 00-0027	EA		Dual Flush Mounted, Level 5, RJ-45 Jack, Complete.....	57.55	21.98
27 32 13 00-0028	EA		Wall Mount, Level 5, RJ-45 Jack, Complete.....	54.53	21.98
27 32 13 00-0029	EA		Terminating Strips, Inside.....	110.56	43.97
27 32 13 00-0030	EA		Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete.....	48.73	22.62
27 32 13 00-0031	EA		Ready Access Closure 3 To 25 Pair.....	133.65	53.04
27 32 13 00-0032	EA		Ready Access Closure 25 To 100 Pair.....	156.17	59.29
27 32 13 00-0033	EA		Termination Block With Bracket 25 Pair.....	50.45	17.81
27 32 13 00-0034	EA		RJ-11 Telephone Receptacle, Concealed Devices - Complete.....	47.83	22.33
27 32 13 00-0035	EA		Interior Protected Terminal 25 Pair.....	571.34	128.81
27 32 13 00-0036	EA		Interior Protected Terminal 50 Pair.....	676.43	130.62
27 32 13 00-0037	EA		Pedestal 6" x 6" x 50" 3 To 100 Pair.....	227.59	53.52
27 32 13 00-0038	EA		Pedestal 8" x 8" x 50" 100 To 300 Pair.....	234.83	53.52
27 32 13 00-0039	EA		Pedestal 10" x 10" x 43" 300 To 600 Pair.....	310.01	68.44
27 32 13 00-0040	EA		Pedestal 10" x 16" x 439 600 Pair.....	642.55	123.31
27 32 13 00-0041	EA		Entrance Protector Terminal 100 Pair.....	887.90	140.73
27 32 13 00-0042	EA		Gas Protection Module.....	13.86	4.81
27 32 13 00-0043	EA		Terminating Boxes, Outside With 3 Element Protectors, Per Pair.....	23.89	4.39

**27 32 26 Ring-Down Emergency Telephones (27 32)**

**27 32 26 00-0001 Emergency Telephone (27 32 26)**

Note: Standard features include: CB3000 speakerphone, 3 auxiliary inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70w area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.

27 32 26 00-0002	EA		Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s).....	8,179.95	397.68
			Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.		
27 32 26 00-0003	EA		Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d).....	8,593.17	397.68
			Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.		
27 32 26 00-0004	EA		Analog Speakerphone With Black "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2).....	137.74	
27 32 26 00-0005	EA		Analog Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2-K).....	206.61	
27 32 26 00-0006	EA		IP Speakerphone With Single Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP1).....	516.53	
27 32 26 00-0007	EA		IP Speakerphone With Back "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2).....	702.49	
27 32 26 00-0008	EA		IP Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2-K).....	771.36	
27 32 26 00-0009	EA		EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option.....	13.77	
27 32 26 00-0010	EA		EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option.....	13.77	
27 32 26 00-0011	EA		Directory, Second Opening Code Blue Option.....	123.97	
27 32 26 00-0012	EA		Camera Enclosure With Color IP Camera, Second Opening Code Blue Option.....	1,308.55	
27 32 26 00-0013	EA		HID Card Reader, Second Opening Code Blue Option.....	606.07	
27 32 26 00-0014	EA		HID Card Reader And Color IP Camera, Second Opening Code Blue Option.....	1,962.83	
27 32 26 00-0015	EA		IP Wireless Communication Code Blue Option.....	4,125.38	
			Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.		
27 32 26 00-0016	EA		Active Venting Code Blue Option.....	220.39	
27 32 26 00-0017	EA		Night Charge Power Code Blue Option.....	1,921.51	
			Note: Requires 120V AC external power supplied to Code Blue unit.		
27 32 26 00-0018	EA		Power Transformer Kit, Alternate Incoming Power Code Blue Option.....	482.10	
27 32 26 00-0019	EA		Overhead Camera Mount Code Blue Option.....	1,095.05	
			Note: Excludes camera.		
27 32 26 00-0020	EA		Custom Color For Overhead Camera Mount Code Blue Option.....	48.21	

**27 Communications****27 30 Voice Communications****27 32 Voice Communications Terminal Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
27 32 26 00-0021		City Police Call System <small>(27 32 26)</small>			
27 32 26 00-0022		Components <small>(27 32 26 00-0021)</small>			
27 32 26 00-0023	EA	City Police Call System .....	639.52		112.24
27 32 26 00-0024	EA	Concrete Foundation For Police Department Telephone Post.....	581.13		162.58
<b>27 40 Audio-Video Communications <small>(27)</small></b>					
<b>27 41 Audio-Video Systems <small>(27 40)</small></b>					
<b>27 41 16 Integrated Audio-Video Systems and Equipment <small>(27 41)</small></b>					
Note: Includes testing of new devices and certification.					
27 41 16 00-0001		Television Distribution System <small>(27 41 16)</small>			
See CSI section 26 05 13 16-0001 for basic wiring.					
27 41 16 00-0002		Mounted Television Support <small>(27 41 16 00-0001)</small>			
27 41 16 00-0003	EA	Ceiling Mounted Television Support, 19" To 20" .....	365.34		108.03
27 41 16 00-0004	EA	Ceiling Mounted Television Support, 19" To 20" With Rack.....	468.42		120.57
27 41 16 00-0005	EA	Ceiling Mounted Television Support, 25" To 27" .....	380.63		108.03
27 41 16 00-0006	EA	Ceiling Mounted Television Support, 25" To 27" With Rack.....	483.71		120.57
27 41 16 00-0007	EA	Wall Mounted Television Support, 13" .....	289.20		86.81
27 41 16 00-0008	EA	Wall Mounted Television Support, 13" With Rack .....	392.29		96.46
27 41 16 00-0009	EA	Wall Mounted Television Support, 19" To 20" .....	309.27		86.81
27 41 16 00-0010	EA	Wall Mounted Television Support, 19" To 20" With Rack.....	412.35		96.46
27 41 16 00-0011	EA	Wall Mounted Television Support, 25" To 27" .....	329.34		86.81
27 41 16 00-0012	EA	Wall Mounted Television Support, 25" To 27" With Rack.....	432.42		96.46
27 41 16 00-0013		Distribution System <small>(27 41 16 00-0001)</small>			
See CSI section 26 05 13 16-0001 for wire and cabling.					
27 41 16 00-0014		TV Distribution Rack <small>(27 41 16 00-0013)</small>			
27 41 16 00-0015	EA	Steel Rack Cabinet With Shelves.....	1,241.62		177.02
27 41 16 00-0016	EA	Switch And Pilot Light .....	199.88		78.65
27 41 16 00-0017	LF	Surface Raceway With Outlets.....	24.09		10.69
27 41 16 00-0018	EA	Service Label .....	28.85		14.73
27 41 16 00-0019		Head End Amplifier <small>(27 41 16 00-0013)</small>			
27 41 16 00-0020	EA	Head End Amplifier .....	828.35		117.83
27 41 16 00-0021		UHF In-Line Booster Amplifier And Power Supply <small>(27 41 16 00-0013)</small>			
27 41 16 00-0022	EA	UHF In-Line Booster .....	490.20		117.83
27 41 16 00-0023		Preamplifiers <small>(27 41 16 00-0013)</small>			
27 41 16 00-0024	EA	VHF Preamplifier.....	609.27		117.83
27 41 16 00-0025	EA	UHF Preamplifier.....	490.20		117.83
27 41 16 00-0026		Power Supplies <small>(27 41 16 00-0013)</small>			
27 41 16 00-0027	EA	Common Power Supply .....	870.38		168.36
27 41 16 00-0028		Line Splitter And Mixer <small>(27 41 16 00-0013)</small>			
27 41 16 00-0029	EA	Line Splitter .....	78.51		39.28
27 41 16 00-0030	EA	Two-Way Splitter.....	87.99		39.28
27 41 16 00-0031	EA	Frequency Filter .....	191.57		59.00
27 41 16 00-0032	EA	Line Splitter And Mixer.....	239.40		86.63
27 41 16 00-0033		Power Line Filters <small>(27 41 16 00-0013)</small>			
27 41 16 00-0034	EA	120-Volt Power Supply Line Filter.....	366.57		78.65
27 41 16 00-0035		Wall Box And Receiver Outlets <small>(27 41 16 00-0013)</small>			
27 41 16 00-0036	EA	Wall Box With Lockable Cover, Excluding Outlet Plug.....	191.57		59.00
27 41 16 00-0037	EA	TV Receiver Outlet Plug.....	87.99		39.28
27 41 16 00-0038	EA	TV Camera Outlet Plug.....	87.99		39.28
27 41 16 00-0039	EA	Audio Outlet Plug.....	76.12		39.28
27 41 16 00-0040	EA	12 Ft RG 6U Cable With G-59 And TV Set Fittings.....	158.20		78.65
27 41 16 00-0041	EA	Male Plug PL-259.....	87.99		39.28
27 41 16 00-0042	EA	Wall Box And Receiver Outlet Television Outlets.....	105.08		41.20
<b>27 41 33 Master Antenna Television Systems <small>(27 41)</small></b>					
27 41 33 00-0001		Antenna Systems <small>(27 41 33)</small>			
27 41 33 00-0002		Antenna <small>(27 41 33 00-0001)</small>			
27 41 33 00-0003	EA	Amateur Radio Antenna.....	784.51		144.39
27 41 33 00-0004	EA	Multi-Band Radio Antenna .....	613.94		144.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**27 41 33 00-0005 Receptacles (27 41 33 00-0001)**

27 41 33 00-0006	EA	Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter .....	179.67	59.00
27 41 33 00-0007	EA	Multi-Band Radio Antenna System Receptacle With Mating Plugs.....	179.67	59.00

**27 50 Distributed Communications and Monitoring Systems (27)**

**27 51 Distributed Audio-Video Communications Systems (27 50)**

**27 51 17 Video Intercom and Exterior Gate Control System (27 51)**

**27 51 17 00-0001 Video Intercom And Exterior Gate Control System (27 51 17)**

27 51 17 00-0002	EA	Audio Video Master Control Station (Aiphone AX-8MV) .....	1,094.92	120.57
27 51 17 00-0003	EA	16-call Add-on Selector For AX Masters (Aiphone AX-16SW).....	434.32	120.57
27 51 17 00-0004	EA	Central Exchange Unit (Aiphone AX-084C) .....	1,328.29	60.29
27 51 17 00-0005	EA	Central Exchange Unit (Aiphone AX-248C) .....	1,818.66	60.29
27 51 17 00-0006	EA	Touch Tone Programmable Dialer (Viking K-1900-5) .....	134.05	24.12
27 51 17 00-0007	EA	Surface Mount Audio/Video Door Station (Aiphone AX-DV) .....	425.14	24.12
27 51 17 00-0008	EA	Flush Mount Audio/Video Door Station (Aiphone AX-DVF).....	480.52	24.12
27 51 17 00-0009	EA	12 Volt, 2.5 Amperes, DC Power Supply (Aiphone PS-1225UL) .....	128.14	12.06
		Note: UL Listed		
27 51 17 00-0010	EA	24 Volt, 2 Amperes, DC Power Supply (Aiphone PS-2420UL) .....	140.30	12.06
		Note: UL Listed		
27 51 17 00-0011	EA	IP Video Master Station (Aiphone IX-MV) .....	1,400.23	120.57
27 51 17 00-0012	EA	Handset Only For IX-MV (Aiphone 285999).....	59.87	4.82
27 51 17 00-0013	EA	Hands Free Sub Master Video Monitor (Aiphone JF-2HD) .....	689.64	120.57
27 51 17 00-0014	EA	Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P) .....	645.72	24.12
27 51 17 00-0015	EA	Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF) .....	202.24	24.12
27 51 17 00-0016	EA	Stainless Steel Surface Mount Box, IS-DVF, IS-IPDVF And IS-SS Compatible (Aiphone SBX-ISDVF) .....	220.22	24.12
27 51 17 00-0017	EA	Stainless Steel Surface Mount Box For AX-DVF (Aiphone SBX-AXDVF).....	226.55	24.12
27 51 17 00-0018	EA	Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVF/A).....	265.52	36.17
27 51 17 00-0019	EA	Front Case With Lens Cover For AX-DV And AX-DVF Cameras (Aiphone 240880) .....	61.69	12.06

**27 51 23 Intercommunications and Program Systems (27 51)**

**27 51 23 20 Commercial Intercommunications and Program Systems (27 51 23)**

**27 51 23 20-0001 Intercom (27 51 23 20)**

27 51 23 20-0002	EA	Intercom, Single Zone Audio Surveillance Base Station With Talkback Feature; Louroe Electronics #API-TB .....	783.86	96.46
27 51 23 20-0003	EA	Two-way Talk/Listen Flush Mounted, Vandal-proof Remote Station Louroe Electronics #TLSP-PB .....	922.37	96.46
		For Surface Mounted Application, Add	56.98	
27 51 23 20-0004	EA	240 Station Intercommunication System In Rack Bogen Multicom 2000 .....	27,830.47	87.93

**27 51 43 Sound Reinforcement (27 51)**

Note: Includes testing of new devices and certification.

**27 51 43 00-0001 Amplifiers (27 51 43)**

27 51 43 00-0002	EA	10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10).....	409.02	96.46
27 51 43 00-0003	EA	35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35).....	571.02	96.46
27 51 43 00-0004	EA	60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60).....	675.01	96.46
27 51 43 00-0005	EA	100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100) .....	749.19	96.46
27 51 43 00-0006	EA	150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150) .....	928.96	96.46
27 51 43 00-0007	EA	250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250).....	1,197.79	96.46
27 51 43 00-0008	EA	Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK).....	47.70	4.82
27 51 43 00-0009	EA	PA Equipment, Amplifiers Gogen #WMA-160.....	2,394.54	250.67

**27 51 43 00-0010 Splitters (27 51 43)**

27 51 43 00-0011	EA	24 Watt, 5 Output, Isolated Splitter (Doug Fleenor 125EE).....	2,369.02	72.19
27 51 43 00-0012	EA	1-in/11-out Splitter (Doug Fleenor DMX).....	2,138.39	72.19

**27 51 43 00-0013 Speakers (27 51 43)**

27 51 43 00-0014	EA	8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W).....	165.08	25.80
27 51 43 00-0015	EA	8" Steel Baffle (Atlas Sound 51-8).....	51.12	4.81
27 51 43 00-0016	EA	T-Bar Support (Atlas Sound EZ95-8) .....	56.78	4.81
27 51 43 00-0017	EA	8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408).....	87.10	4.81
27 51 43 00-0018	EA	Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA).....	82.89	8.66
27 51 43 00-0019	EA	Atlas/Soundier Speaker APC-30T .....	359.35	25.80
27 51 43 00-0020	EA	Horizontal Line Array Renkus-Heinz # SR62H.....	559.90	28.88

**27 51 43 00-0021 Accessories (27 51 43)**

27 51 43 00-0022	EA	Microphone And Stand For Audio/Video System (Bogen MBS-1000A) .....	229.84	12.06
27 51 43 00-0023	EA	5 Disk CD Player For Audio/Video System (Bogen DCM290-P).....	513.44	12.06
27 51 43 00-0024	EA	Weather Proof Horn For Audio/Video System (Bogen SPT5A).....	134.30	24.12
27 51 43 00-0025	EA	Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A).....	244.62	24.12
27 51 43 00-0026	EA	Headset Microphone For Audio/Video System (Audio Technica Pro8Hex).....	180.09	24.07
27 51 43 00-0027	EA	Microphone Jack For Audio/Video System .....	85.96	24.12
27 51 43 00-0028	EA	Terminal Cabinet For Audio/Video System (Atlas 121-18).....	705.24	96.46

**27 Communications****27 50 Distributed Communications and Monitoring Systems****27 51 Distributed Audio-Video Communications Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 51 43 00-0029	EA		Volume Control For Audio/Video System (Bogen AT10A) .....	82.39	24.12
27 51 43 00-0030	EA		Round Bridge for 8" (S86/S810) Recessed Speakers (Bogen Communications TB8) .....	59.27	24.12
<b>27 51 43 00-0031</b>			<b>Removal And Reinstallation Of Speakers</b> (27 51 43)		
			Note: Includes storage, cleaning and supply materials.		
27 51 43 00-0032	EA		Removal And Reinstallation Of Ceiling Mounted Speaker .....	134.77	
<b>27 53</b>			<b>Distributed Systems</b> (27 50)		
<b>27 53 13</b>			<b>Clock Systems</b> (27 53)		
<b>27 53 13 13</b>			<b>Wireless Clock Systems</b> (27 53 13)		
27 53 13 13-0001			Wireless Synchronized GPS Clock System (Sapling) (27 53 13 13)		
27 53 13 13-0002			Master Clock (Sapling SMA 2000 Series) (27 53 13 13-0001)		
			Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0003	EA		Master Clock, 900 MHz Transmitter, GPS, Surface Wall Mount (Sapling SMA-2S0-1100-1) .....	5,591.26	72.19
27 53 13 13-0004	EA		Master Clock, 900 MHz Transmitter, GPS, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1100-1) .....	5,911.66	72.19
27 53 13 13-0005	EA		Master Clock, 900 MHz Transmitter, Surface Wall Mount (Sapling SMA-2S0-1000-1) .....	3,188.23	72.19
27 53 13 13-0006	EA		Master Clock, 900 MHz Transmitter, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1000-1) .....	3,508.63	72.19
27 53 13 13-0007	EA		NTP Server Upgrade (Sapling SMA-000-SERV-0) .....	2,000.00	
27 53 13 13-0008			Wireless Repeaters (Sapling) (27 53 13 13-0001)		
27 53 13 13-0009	EA		Wireless Repeater, 900 MHz, RS485 Input, Surface Wall Mount (Sapling SMA-1SR-0000-1) .....	1,374.06	48.13
27 53 13 13-0010	EA		Wireless Network Repeater, 900 MHz, 110 VAC, 110 VAC, With TCP/IP For Campus Environments, Surface Wall Mount (Sapling SMA-1SM-0000-1) .....	1,538.08	48.13
27 53 13 13-0011			Wireless Round Analog Clocks (Sapling SAL-4 Series) (27 53 13 13-0001)		
			Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0012	EA		Analog, Wireless Slim Line, 900 MHz, 12" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-12R-0) .....	300.68	24.07
27 53 13 13-0013	EA		Double Mount Housing With Metal Pole For Slim Line 12" Round Analog Clock, Black (Sapling SAH-1BD-12R-0) .....	191.98	24.07
27 53 13 13-0014	EA		Analog, Wireless Slim Line, 900 MHz, 16" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-16R-0) .....	358.40	24.07
27 53 13 13-0015	EA		Double Mount Housing With Metal Pole For Slim Line 16" Round Analog Clock, Black (Sapling SAH-1BD-16R-0) .....	215.96	24.07
27 53 13 13-0016			Wireless GPS Accesories (Sapling) (27 53 13 13-0001)		
27 53 13 13-0017	EA		GPS Mounting Kit (Sapling M-GPS-MTG-KIT-1) .....	60.51	19.25
27 53 13 13-0018	EA		Wall Mount, L-Shape, GPS Mounting Kit (Sapling M-GPS-MTG90-KIT-1) .....	82.51	19.25
27 53 13 13-0019	EA		GPS Antenna Cable, 150 Foot (45.7 Meters) Length (Sapling E-ANT-CBL150F-1) .....	661.72	42.12
27 53 13 13-0020	EA		GPS Antenna Cable, 300 Foot (91.4 Meters) Length (Sapling E-ANT-CBL300F-1) .....	1,170.32	60.17
27 53 13 13-0021	EA		GPS Surge Protector/Arrestor (Sapling E-GPS-SURGE-1) .....	403.38	4.81
27 53 13 13-0022			2.4 GHz, 2.5", 6-Digit, Digital Messaging Wireless Clock System (Sapling SLDG 3000 Series) (27 53 13 13)		
			Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes. Quantities over 25 for all digital clocks are Non Cancelable, Non Returnable (NCNR). (50) Clock Minimum Quantity Required Per System order for SLDG-32S-256-4R. (25) Clock Minimum Quantity Required Per System order for SLDG-32S-256-1R. All digital clocks are available without bezel or without the housing. Contact Sapling for details. Contact Sapling for Factory Customized Message Options. All digital clocks are pre-loaded and shipped with the following messages below: (1) Tornado Warning (2) Inclement Weather (3) Take Cover (4) Evacuate (5) Lockdown (6) Fire (7) Early Dismissal (8) Flood Warning (9) Earthquake (10) Code Blue (11) All Clear (12) Operation in Progress (13) Test in Progress (14) Lunch Break (15) Shift Break.		
27 53 13 13-0023	EA		3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount (Sapling SLDG-32S-256-4R) .....	879.29	72.19
			Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
27 53 13 13-0024	EA		3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount (Sapling SLDG-32S-256-1R) .....	898.71	72.19
			Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
27 53 13 13-0025	EA		3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount And Relay Output/Input (Sapling SLDG-33S-256-4R) .....	1,070.67	72.19
			Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
27 53 13 13-0026	EA		3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount And Relay Output/Input (Sapling SLDG-33S-256-1R) .....	1,090.09	72.19
			Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
27 53 13 13-0027	EA		Short Metal Pole For Ceiling Mount Only For Double/Flag Mount, 8.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-01S-0) .....	122.04	19.25
27 53 13 13-0028	EA		Metal Pole For Double/Flag Mount, Wall Or Ceiling, 13.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-00S-0) .....	122.04	19.25
27 53 13 13-0029	EA		Clock Message Setup Fee, Per Clock (Sapling CLK-MSG-SETUP) .....	20.00	
27 53 13 13-0030	EA		USB Programming Cable + Software For 3200/3300 Digital Clocks (Sapling D-USB485-INTF-1) .....	162.31	2.41
27 53 13 13-0031	EA		Elapsed Timer Control Panel For 3200/3300 Clock Model (Sapling SBD-ELT-001-0) .....	324.63	4.81
27 53 13 13-0032	EA		Elapsed Timer Specialty Buttons Kit (Sapling SBD-ELT-BUT-0) .....	59.81	2.41
27 53 13 13-0033	EA		Elapsed Timer Clear Protective Cover - Set of 2 Covers (Sapling A-ELT-CLR-GUARD-1) .....	11.96	0.48
27 53 13 13-0034	EA		Temperature Sensor for 3200/3300 Digital Clock Model (Sapling SBD-TEMP-000-0) .....	75.63	4.81

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 53 13 13-0035		<b>2.4 GHz Wireless Message System/Master Clock And Transmitter (Sapling SMM 3000 Series)</b> <small>(27 53 13 13)</small> Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0036	EA	Master Clock With 2.4 GHz Transmitter For Time Data And Messages, Rack Mount & Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G008-1).....	4,247.79	72.19
27 53 13 13-0037	EA	Master Clock With 2.4 GHz Transmitter & GPS For Time Data And Messages, Rack Mount & Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G108-1).....	5,835.39	72.19
27 53 13 13-0038	EA	Message Input Box, 16 Inputs, Rack Mount, For SMM Master Clock (Sapling SMI-000-0016-0).....	1,881.26	48.13
27 53 13 13-0039	EA	Wireless Network Repeater, 2.4 GHz, 110 VAC - 230 VAC, with TCP/IP for Campus Environments, Surface Wall Mount (Sapling SMA-1SM-G000-1).....	1,088.51	48.13
27 53 13 13-0040	EA	NTP Server Upgrade (Sapling SMA-000-SERV-0).....	2,000.00	
27 53 13 13-0041	EA	Countdown Feature Upgrade (Sapling SMA-000-CDOW-0).....	990.00	
27 53 13 13-0042		<b>Clear Polycarbonate Protective Covers For Wireless Clocks (Sapling)</b> <small>(27 53 13 13)</small> Note: For applications requiring defense against constant moisture or fine dust, a silicone sealant between the cover and wall is recommended.		
27 53 13 13-0043	EA	Clear Polycarbonate Protective Cover For 9" Square And 12" Round Analog Clock (Sapling SAG-CLR-COVR-12).....	276.07	12.03
27 53 13 13-0044	EA	Clear Polycarbonate Protective Cover For 2.5" Digital Clock (Sapling SDG-CLR-COVR-25).....	276.07	12.03
27 53 13 13-0045		<b>Wire Guards For Wireless Synchronized Clocks (Sapling)</b> <small>(27 53 13 13)</small>		
27 53 13 13-0046	EA	Wire Guard For Round Or Square Analog Clocks (Sapling SAG-1200).....	154.97	12.03
27 53 13 13-0047	EA	Wire Guard for 2.5" or 4.0" Digital Clocks (Sapling SDG-2017).....	214.00	12.03
27 53 13 13-0048		<b>Wireless Synchronized Clock Transmitters</b> <small>(27 53 13 13)</small>		
27 53 13 13-0049		<b>Analog, Wireless Synchronized Clocks (Primex Traditional Series)</b> <small>(27 53 13 13-0048)</small>		
27 53 13 13-0050	EA	12.5", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock.....	234.41	24.07
		<i>For &gt;100 To 250, Deduct</i>	-40.73	
		<i>For &gt;250, Deduct</i>	-48.18	
27 53 13 13-0051	EA	12.5", Battery Operated, Dual Sided, Analog, Wireless Synchronized Clock.....	420.69	24.07
		<i>For &gt;100 To 250, Deduct</i>	-27.69	
		<i>For &gt;250, Deduct</i>	-33.28	
27 53 13 13-0052	EA	16", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock.....	272.95	24.07
		<i>For &gt;100 To 250, Deduct</i>	-47.67	
		<i>For &gt;250, Deduct</i>	-56.66	
27 53 13 13-0053	EA	12.5", Electric, Single Sided, Analog, Wireless Synchronized Clock.....	266.53	24.07
		<i>For &gt;100 To 250, Deduct</i>	-46.51	
		<i>For &gt;250, Deduct</i>	-55.25	
27 53 13 13-0054	EA	12.5", Electric, Dual Sided, Analog, Wireless Synchronized Clock.....	484.92	24.07
		<i>For &gt;100 To 250, Deduct</i>	-31.22	
		<i>For &gt;250, Deduct</i>	-37.78	
27 53 13 13-0055	EA	16", Electric, Single Sided, Analog, Wireless Synchronized Clock.....	305.07	24.07
		<i>For &gt;100 To 250, Deduct</i>	-35.46	
		<i>For &gt;250, Deduct</i>	-45.74	
27 53 13 13-0056		<b>Digital, Wireless Synchronized Clocks (Primex Digital Series)</b> <small>(27 53 13 13-0048)</small>		
27 53 13 13-0057		<b>4-Digit, Digital, Wireless Synchronized Clocks</b> <small>(27 53 13 13-0056)</small>		
27 53 13 13-0058	EA	2.5", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock.....	343.61	24.07
		<i>For Green LED, Add</i>	29.55	
		<i>For &gt;100 To 250, Deduct</i>	-30.84	
		<i>For &gt;250, Deduct</i>	-45.61	
27 53 13 13-0059	EA	2.5", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock.....	639.09	24.07
		<i>For Green LED, Add</i>	59.10	
		<i>For &gt;100 To 250, Deduct</i>	-66.30	
		<i>For &gt;250, Deduct</i>	-166.76	
27 53 13 13-0060	EA	4", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock.....	382.15	24.07
		<i>For Green LED, Add</i>	33.40	
		<i>For &gt;100 To 250, Deduct</i>	-22.23	
		<i>For &gt;250, Deduct</i>	-32.25	
27 53 13 13-0061	EA	4", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock.....	716.17	24.07
		<i>For Green LED, Add</i>	66.80	
		<i>For &gt;100 To 250, Deduct</i>	-60.64	
		<i>For &gt;250, Deduct</i>	-187.57	
27 53 13 13-0062		<b>6-Digit, Digital, Wireless Synchronized Clocks</b> <small>(27 53 13 13-0056)</small>		
27 53 13 13-0063	EA	2.5", Single Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock.....	382.15	24.07
		<i>For Green LED, Add</i>	33.40	
		<i>For &gt;100 To 250, Deduct</i>	-25.57	
		<i>For &gt;250, Deduct</i>	-36.26	
27 53 13 13-0064	EA	2.5", Dual Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock.....	716.17	24.07
		<i>For Green LED, Add</i>	66.80	
		<i>For &gt;100 To 250, Deduct</i>	-54.63	
		<i>For &gt;250, Deduct</i>	-127.45	
27 53 13 13-0065	EA	2.5", Flush Mount, 6-Digit, Red LED Digital, Wireless Synchronized Clock.....	446.38	24.07
		<i>For Green LED, Add</i>	39.83	
		<i>For &gt;100 To 250, Deduct</i>	-21.14	
		<i>For &gt;250, Deduct</i>	-31.10	
27 53 13 13-0066		<b>Wire Guards For Wireless Synchronized Clocks</b> <small>(27 53 13 13-0048)</small>		

**27 Communications****27 50 Distributed Communications and Monitoring Systems****27 53 Distributed Systems**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0067	EA		18" x 18" Analog Clock Wire Guard For 16" Wireless Synchronized Clocks.....	120.42	12.03
27 53 13 13-0068	EA		Digital Clock Wire Guard For 2.5" Wireless Synchronized Clocks .....	56.19	12.03
27 53 13 13-0069	EA		Digital Clock Wire Guard For 4" Wireless Synchronized Clocks .....	62.61	12.03
<b>27 53 13 13-0070</b>			<b>Wireless Synchronized Clock Transmitters</b> <small>(27 53 13 13-0048)</small> Note: Includes 16 channel transmitter with daylight savings bypass and time zone switch, GPS receiver, 16' cable and window installation hardware.		
27 53 13 13-0071	EA		Internal Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000) .....	2,578.88	72.19
			<i>For Roof Mounted GPS Receiver, Add</i> .....	387.44	
27 53 13 13-0072	EA		External Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000-E) .....	4,191.16	72.19
			Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection. <i>For Roof Mounted GPS Receiver, Add</i> .....	548.67	
27 53 13 13-0073	EA		Repeater, Satellite Transmitter (Primex 14006).....	2,530.75	48.13
			Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.		
<b>27 53 13 13-0074</b>			<b>Accessories For Wireless Synchronized Clock Transmitters</b> <small>(27 53 13 13-0048)</small>		
27 53 13 13-0075	EA		External Antenna Mounting Kit For Wireless Synchronized Clock Transmitters .....	231.21	19.25
27 53 13 13-0076	EA		Transmitter Rack For Wireless Synchronized Clock Transmitters .....	105.31	19.25
27 53 13 13-0077	EA		Surge Protector And Battery Back Up For Wireless Synchronized Clock Transmitters .....	153.52	9.63
27 53 13 13-0078	EA		50' GPS Receiver Cable For Wireless Synchronized Clock Transmitters .....	134.20	24.07
27 53 13 13-0079	EA		100' GPS Receiver Cable For Wireless Synchronized Clock Transmitters .....	187.81	36.10
27 53 13 13-0080	EA		200' GPS Receiver Cable For Wireless Synchronized Clock Transmitters .....	276.12	48.13
<b>27 53 13 16</b>			<b>Wired Clock Systems</b> <small>(27 53 13)</small>		
<b>27 53 13 16-0001</b>			<b>Wired Self-Corrective Clock Systems</b> <small>(27 53 13 16)</small>		
<b>27 53 13 16-0002</b>			<b>Wired Self-Corrective Clocks</b> <small>(27 53 13 16-0001)</small>		
<b>27 53 13 16-0003</b>			<b>Analog, Wired Self-Corrective Clocks (Telecor)</b> <small>(27 53 13 16-0002)</small>		
<b>27 53 13 16-0004</b>			<b>24 Volt AC, Analog, Wired Self-Corrective Clocks</b> <small>(27 53 13 16-0003)</small>		
27 53 13 16-0005	EA		12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	200.37	24.07
			<i>For &gt;50 To 100, Deduct</i> .....	-13.29	
			<i>For &gt;100, Deduct</i> .....	-19.38	
27 53 13 16-0006	EA		12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	472.08	24.07
			<i>For &gt;50 To 100, Deduct</i> .....	-24.16	
			<i>For &gt;100, Deduct</i> .....	-41.12	
27 53 13 16-0007	EA		16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	250.47	24.07
			<i>For &gt;50 To 100, Deduct</i> .....	-17.32	
			<i>For &gt;100, Deduct</i> .....	-25.41	
27 53 13 16-0008	EA		16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	622.39	24.07
			<i>For &gt;50 To 100, Deduct</i> .....	-64.63	
			<i>For &gt;100, Deduct</i> .....	-87.60	
<b>27 53 13 16-0009</b>			<b>120 Volt AC, Analog, Wired Self-Corrective Clocks</b> <small>(27 53 13 16-0003)</small>		
27 53 13 16-0010	EA		12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	200.37	24.07
			<i>For &gt;50 To 100, Deduct</i> .....	-13.29	
			<i>For &gt;100, Deduct</i> .....	-19.38	
27 53 13 16-0011	EA		12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount .....	472.08	24.07
			<i>For &gt;50 To 100, Deduct</i> .....	-24.16	
			<i>For &gt;100, Deduct</i> .....	-41.12	
27 53 13 16-0012	EA		16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	250.47	24.07
			<i>For &gt;50 To 100, Deduct</i> .....	-17.32	
			<i>For &gt;100, Deduct</i> .....	-25.41	
27 53 13 16-0013	EA		16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount .....	622.39	24.07
			<i>For &gt;50 To 100, Deduct</i> .....	-64.63	
			<i>For &gt;100, Deduct</i> .....	-87.60	
<b>27 53 13 16-0014</b>			<b>Accessories For Analog Wired Self-Corrective Clocks</b> <small>(27 53 13 16-0003)</small>		
27 53 13 16-0015	EA		Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks .....	163.78	12.03
27 53 13 16-0016	EA		Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks .....	43.34	12.03
27 53 13 16-0017	EA		Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks.....	54.43	12.03
27 53 13 16-0018	EA		Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks.....	65.99	12.03
27 53 13 16-0019	EA		Combination Back Box For Speaker And Clock.....	114.04	19.25
<b>27 53 13 16-0020</b>			<b>Digital, Wired Self-Corrective Clocks (Telecor)</b> <small>(27 53 13 16-0002)</small>		
<b>27 53 13 16-0021</b>			<b>24 Volt AC, Digital, Wired Self-Corrective Clocks</b> <small>(27 53 13 16-0020)</small>		
27 53 13 16-0022	EA		2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount .....	246.61	24.07
			<i>For Surface Mount, Add</i> .....	39.70	
			<i>For &gt;50 To 100, Deduct</i> .....	-11.91	
			<i>For &gt;100, Deduct</i> .....	-19.85	
27 53 13 16-0023	EA		4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount .....	377.65	24.07
			<i>For Surface Mount, Add</i> .....	65.90	
			<i>For &gt;50 To 100, Deduct</i> .....	-19.77	
			<i>For &gt;100, Deduct</i> .....	-32.95	
<b>27 53 13 16-0024</b>			<b>120 Volt AC, Digital, Wired Self-Corrective Clocks</b> <small>(27 53 13 16-0020)</small>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 16-0025 EA 2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount .....	246.61	24.07
<i>For Surface Mount, Add</i>	39.70	
<i>For &gt;50 To 100, Deduct</i>	-11.91	
<i>For &gt;100, Deduct</i>	-19.85	
27 53 13 16-0026 EA 4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount .....	377.65	24.07
<i>For Surface Mount, Add</i>	65.90	
<i>For &gt;50 To 100, Deduct</i>	-19.77	
<i>For &gt;100, Deduct</i>	-32.95	
<b>27 53 13 16-0027 Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks</b>		
<small>(27 53 13 16-0020)</small>		
27 53 13 16-0028 EA 2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks .....	211.45	24.07
<i>For &gt;50 To 100, Deduct</i>	-9.80	
<i>For &gt;100, Deduct</i>	-16.33	
27 53 13 16-0029 EA 4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks .....	345.86	24.07
<i>For &gt;50 To 100, Deduct</i>	-17.86	
<i>For &gt;100, Deduct</i>	-29.77	
<b>27 53 13 16-0030 Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks</b>		
<small>(27 53 13 16-0020)</small>		
27 53 13 16-0031 EA 2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks .....	211.45	24.07
<i>For &gt;50 To 100, Deduct</i>	-9.80	
<i>For &gt;100, Deduct</i>	-16.33	
27 53 13 16-0032 EA 4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks .....	345.86	24.07
<i>For &gt;50 To 100, Deduct</i>	-17.86	
<i>For &gt;100, Deduct</i>	-29.77	
<b>27 53 13 16-0033 Accessories For Digital Wired Self-Corrective Clocks</b>		
<small>(27 53 13 16-0020)</small>		
27 53 13 16-0034 EA Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks .....	222.55	12.03
27 53 13 16-0035 EA 2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks .....	54.90	12.03
27 53 13 16-0036 EA 4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks .....	75.14	12.03
27 53 13 16-0037 EA Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks .....	194.61	12.03
27 53 13 16-0038 EA 4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks .....	56.35	12.03
<b>27 53 13 16-0039 Wired Self-Corrective Master Clocks</b>		
<small>(27 53 13 16-0001)</small>		
<b>27 53 13 16-0040 Wired Self-Corrective Master Clocks</b>		
<small>(27 53 13 16-0039)</small>		
27 53 13 16-0041 EA 24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24) .....	2,308.22	192.53
27 53 13 16-0042 EA 120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120) .....	2,452.75	192.53
<b>27 53 13 16-0043 Accessories For Wired Self-Corrective Master Clocks</b>		
<small>(27 53 13 16-0039)</small>		
27 53 13 16-0044 EA 5 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405) .....	242.24	48.13
27 53 13 16-0045 EA 10 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406) .....	272.58	48.13
<b>27 53 13 16-0046 Other Clock And Program Systems</b>		
<small>(27 53 13 16)</small>		
27 53 13 16-0047 EA 4 Circuit Master Clock And Signal Control (Lathem LTR4-512) .....	1,393.97	96.26
27 53 13 16-0048 EA 8 Circuit Master Clock And Signal Control (Lathem LTR8-512) .....	1,700.39	192.53
27 53 13 16-0049 EA Program Bell (Lathem 906-6) .....	211.95	48.13
27 53 13 16-0050 EA Combination Clock And Speaker .....	483.37	120.32
27 53 13 16-0051 EA 5 Amp, 115/220 VAC, 24 VAC, RTN, 24 VDC Power Supply (Lathem PS8-24) .....	452.24	48.13

**END OF SECTION 27**

**27 Communications**

27 50 Distributed Communications and Monitoring Systems

27 53 Distributed Systems

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 28 Electronic Safety and Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

### 28 05 Common Work Results for Electronic Safety and Security <sup>(28)</sup>

28 05 26 Grounding and Bonding for Electronic Safety and Security <sup>(28 05)</sup>  
 See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 53 Identification for Electronic Safety and Security <sup>(28 05)</sup>  
 See CSI section 26 05 53 00-0000 for identification.

### 28 10 Access Control <sup>(28)</sup>

Note: Includes testing of new devices and certification.

#### 28 15 Integrated Access Control Hardware Devices <sup>(28 10)</sup>

##### 28 15 11 Integrated Credential Readers and Field Entry Management <sup>(28 15)</sup>

###### 28 15 11 13 Keypads <sup>(28 15 11)</sup>

###### 28 15 11 13-0001 Vindicator Security Alarm System <sup>(28 15 11 13)</sup>

28 15 11 13-0002	EA	Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00 .....	1,219.34	200.71
28 15 11 13-0003	EA	Detector, Passive Infrared (Security) Vindicator #316-30812-00 .....	1,540.14	260.87
28 15 11 13-0004	EA	Premise Control Unit (Security) Vindicator #548-32004-01 .....	8,161.60	571.79
28 15 11 13-0005	EA	Access Manager (Security Key Pad) Vindicator #548-31894-01 .....	3,854.77	487.28
28 15 11 13-0006	EA	ALS Duress Switch (Security) Vindicator #192-30810-00 .....	991.30	266.54

#### 28 16 Access Control Interfaces <sup>(28 10)</sup>

##### 28 16 11 Access Control Interfaces to Access Control Hardware <sup>(28 16)</sup>

###### 28 16 11 00-0001 Stand Alone Access Controls <sup>(28 16 11)</sup>

###### 28 16 11 00-0002 Push Button Controls, Stand Alone Access Controls <sup>(28 16 11 00-0001)</sup>

###### 28 16 11 00-0003 Interior Mount, Push Button Controls, Stand Alone Access Controls <sup>(28 16 11 00-0002)</sup>

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls ..... Note: Controls mount to a standard mullion.	109.11	24.07
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls ..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	114.19	24.07
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand Alone Access Controls For Gate Operators ..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	143.41	24.07

###### 28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand Alone Access Controls <sup>(28 16 11 00-0002)</sup>

Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.

28 16 11 00-0008 EA Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls .....  
Note: Controls mount into a single gang electrical box. Excludes electrical box.

28 16 11 00-0009 EA 42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls .....  
Note: Includes post, mounting base and push button control. Excludes concrete foundation.

28 16 11 00-0010 EA Three Button, Exterior Stand Alone Access Controls .....  
Note: Includes open, close and stop controls.

###### 28 16 11 00-0011 Key Controls, Stand Alone Access Controls <sup>(28 16 11 00-0001)</sup>

###### 28 16 11 00-0012 Interior Mount, Key Controls, Stand Alone Access Controls <sup>(28 16 11 00-0011)</sup>

28 16 11 00-0013 EA Standard Mortise Key, Key Controls, Interior Stand Alone Access Controls .....  
Note: Controls mount into a single gang electrical box. Excludes electrical box.

###### 28 16 11 00-0014 Exterior Mount, Key Controls, Stand Alone Access Controls <sup>(28 16 11 00-0011)</sup>

Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.

28 16 11 00-0015 EA Postal Or Fire Department Lock Box, Key Controls, Exterior Stand Alone Access Controls .....  
Note: Opens door or gate with a postal or fire department key.

28 16 11 00-0016 EA Standard Mortise Key, Key Controls, Exterior Stand Alone Access Controls .....  
Note: Includes post, mounting base and push button control. Excludes concrete foundation.

28 16 11 00-0017 EA Ace Key, Key Controls, Exterior Stand Alone Access Controls .....  
Note: Includes open, close and stop controls.

28 16 11 00-0018 EA Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand Alone Access Controls .....

###### 28 16 11 00-0019 Keypad Controls, Stand Alone Access Controls <sup>(28 16 11 00-0001)</sup>

###### 28 16 11 00-0020 Interior Mount, Keypad Controls, Stand Alone Access Controls <sup>(28 16 11 00-0019)</sup>

28 16 11 00-0021 EA One Code Memory, Keypad Control, Interior Stand Alone Access Controls .....  
Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.

###### 28 16 11 00-0022 Exterior Mount, Keypad Controls, Stand Alone Access Controls <sup>(28 16 11 00-0019)</sup>

Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.

**28 Electronic Safety and Security****28 10 Access Control****28 16 Access Control Interfaces**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0023			<b>Keypad Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0022)		
28 16 11 00-0024	EA		1000 Code Memory, Keypad Control, Exterior Stand Alone Access Controls .....891.26 Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	891.26	96.26
			<i>For Flush Mount, Add</i>	157.21	
28 16 11 00-0025			<b>Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls</b> (28 16 11 00-0022)		
28 16 11 00-0026	EA		1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls .....1,080.47 Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	1,080.47	108.29
			<i>For Flush Mount, Add</i>	194.38	
28 16 11 00-0027			<b>RF Controls, Stand Alone Access Controls</b> (28 16 11 00-0001)		
28 16 11 00-0028			<b>Exterior Mount, RF Controls, Stand Alone Access Controls</b> (28 16 11 00-0027) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029			<b>RF Receivers, RF Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0028) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030	EA		50 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls .....535.54	535.54	96.26
28 16 11 00-0031	EA		100 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls .....604.15	604.15	96.26
28 16 11 00-0032	EA		250 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls .....670.21	670.21	96.26
28 16 11 00-0033	EA		500 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls .....741.35	741.35	96.26
28 16 11 00-0034	EA		1000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls .....807.42	807.42	96.26
28 16 11 00-0035	EA		5000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls .....878.56	878.56	96.26
28 16 11 00-0036	EA		16000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls .....944.62	944.62	96.26
28 16 11 00-0037			<b>RF Transmitters, RF Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0028)		
28 16 11 00-0038	EA		1 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls .....43.19 <i>For &gt;40 To 110, Deduct</i> -2.16 <i>For &gt;110, Deduct</i> -4.32 <i>For Built In Proximity Tags, Add</i> 8.64	43.19	
28 16 11 00-0039	EA		2 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls .....45.74 <i>For &gt;40 To 110, Deduct</i> -2.29 <i>For &gt;110, Deduct</i> -4.57 <i>For Built In Proximity Tags, Add</i> 9.15	45.74	
28 16 11 00-0040	EA		3 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls .....48.28 <i>For &gt;40 To 110, Deduct</i> -2.41 <i>For &gt;110, Deduct</i> -4.83 <i>For Built In Proximity Tags, Add</i> 9.66	48.28	
28 16 11 00-0041			<b>Accessories For RF Receivers, Exterior Stand Alone Access Controls</b> (28 16 11 00-0028)		
28 16 11 00-0042	EA		Coax Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls .....205.37 Note: Includes 15' of coax cable.	205.37	72.19
28 16 11 00-0043	EA		Antenna Amplifier For RF Receivers, Exterior Stand Alone Access Controls .....398.47 Note: Includes 20' of coax cable.	398.47	72.19
28 16 11 00-0044	EA		Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls .....362.90 Note: Includes 15' of coax cable.	362.90	72.19
28 16 11 00-0045			<b>Proximity Card Controls, Stand Alone Access Controls</b> (28 16 11 00-0001)		
28 16 11 00-0046			<b>Exterior Mount, Proximity Card Controls, Stand Alone Access Controls</b> (28 16 11 00-0045) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047			<b>DKS Proximity Card Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0046)		
28 16 11 00-0048			<b>DKS Proximity Card Readers, Exterior Stand Alone Access Controls</b> (28 16 11 00-0047)		
28 16 11 00-0049	EA		DKS Proximity Card Reader, Exterior Stand Alone Access Controls .....1,018.31	1,018.31	96.26
28 16 11 00-0050			<b>AWID Proximity Card Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0046)		
28 16 11 00-0051			<b>AWID Proximity Card Readers, Exterior Stand Alone Access Controls</b> (28 16 11 00-0050)		
28 16 11 00-0052	EA		AWID Proximity Card Reader, Exterior Stand Alone Access Controls .....1,107.24	1,107.24	96.26
28 16 11 00-0053			<b>HID Proximity Card Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0046)		
28 16 11 00-0054			<b>HID Proximity Card Readers, Exterior Stand Alone Access Controls</b> (28 16 11 00-0053)		
28 16 11 00-0055	EA		HID Proximity Card Reader, Exterior Stand Alone Access Controls .....1,310.50	1,310.50	96.26
28 16 11 00-0056			<b>Magnetic Stripe Card Controls, Stand Alone Access Controls</b> (28 16 11 00-0001)		
28 16 11 00-0057			<b>Interior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls</b> (28 16 11 00-0056)		
28 16 11 00-0058	EA		Magnetic Stripe Reader, Interior Stand Alone Access Controls .....611.77	611.77	96.26



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 16 11 00-0059			<b>Exterior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls</b> <small>(28 16 11 00-0056)</small> Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060	EA		Magnetic Stripe Reader, Exterior Stand Alone Access Controls.....	755.24	96.26
28 16 11 00-0061			<b>Other Stand Alone Access Controls</b> <small>(28 16 11 00-0001)</small>		
28 16 11 00-0062	EA		Toggle Switch, Interior Access Controls For Gate Operators.....	105.30	24.07
28 16 11 00-0063	EA		Note: Controls mount into a single gang electrical box. Request To Exit Motion Detector (Bosch Security Systems DS160) .....	108.11	19.25
28 16 11 00-0064			<b>Wiegand Output Access Controls</b> <small>(28 16 11)</small> Note: Excludes controllers.		
28 16 11 00-0065			<b>Proximity Card Controls, Wiegand Output Access Controls</b> <small>(28 16 11 00-0064)</small>		
28 16 11 00-0066			<b>DKS, Proximity Card Controls, Wiegand Output Access Controls</b> <small>(28 16 11 00-0065)</small>		
28 16 11 00-0067			<b>DKS, Proximity Cards</b> <small>(28 16 11 00-0066)</small>		
28 16 11 00-0068	EA		Clamshell Type, DKS Proximity Card (DKS 170).....	6.76	
28 16 11 00-0069	EA		ISO Compliant Graphics Card, DKS Proximity Card (DKS 80) .....	11.15	
28 16 11 00-0070	EA		DKS Proximity Key Fob (DKS 50).....	11.74	
28 16 11 00-0071	EA		Active Tag, DKS Proximity Tag (DKS 150) .....	66.40	
28 16 11 00-0072	EA		Note: Battery powered tag to boost signal. Active Tag, DKS Proximity Tag (DKS 200) .....	86.56	
28 16 11 00-0073			<b>DKS, Proximity Card Readers, Wiegand Output Access Controls</b> <small>(28 16 11 00-0066)</small>		
28 16 11 00-0074	EA		Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small).....	375.82	120.32
28 16 11 00-0075	EA		Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion).....	375.82	120.32
28 16 11 00-0076	EA		Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang).....	375.82	120.32
28 16 11 00-0077	EA		Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS).....	1,009.00	120.32
			Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0078			<b>AWID, Proximity Card Controls, Wiegand Output Access Controls</b> <small>(28 16 11 00-0065)</small>		
28 16 11 00-0079			<b>AWID, Proximity Cards</b> <small>(28 16 11 00-0078)</small>		
28 16 11 00-0080	EA		Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS).....	5.69	
28 16 11 00-0081	EA		ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR).....	8.89	
28 16 11 00-0082	EA		AWID Proximity Key Fob (AWID Prox-Linc KT) .....	9.49	
28 16 11 00-0083	EA		Windshield Tag For LR 2000 Readers, AWID Proximity Tag.....	33.20	
28 16 11 00-0084	EA		Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag.....	33.20	
28 16 11 00-0085			<b>AWID, Proximity Card Readers, Wiegand Output Access Controls</b> <small>(28 16 11 00-0078)</small>		
28 16 11 00-0086	EA		Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400).....	454.08	120.32
			Note: For mullion mounting.		
28 16 11 00-0087	EA		Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800).....	624.83	120.32
			Note: For mullion mounting.		
28 16 11 00-0088	EA		Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820).....	624.83	120.32
			Note: For single gang electrical box mounting.		
28 16 11 00-0089	EA		Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824) .....	1,011.37	120.32
			Note: Includes 12 Volt DC regulated power supply.		
28 16 11 00-0090	EA		Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000).....	5,649.95	120.32
			Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0091			<b>HID, Proximity Card Controls, Wiegand Output Access Controls</b> <small>(28 16 11 00-0065)</small>		
28 16 11 00-0092			<b>HID, Proximity Cards</b> <small>(28 16 11 00-0091)</small>		
28 16 11 00-0093	EA		Clamshell Type, HID Proximity Card (HID ProxCard II).....	14.10	
28 16 11 00-0094	EA		ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II) .....	18.37	
28 16 11 00-0095	EA		HID Proximity Key Fob (HID ProxKey II).....	18.84	
28 16 11 00-0096			<b>HID, Proximity Card Readers, Wiegand Output Access Controls</b> <small>(28 16 11 00-0091)</small>		
28 16 11 00-0097	EA		Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus) .....	410.49	120.32
			Note: For mullion mounting. (HID P/N 6005).		
28 16 11 00-0098	EA		Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II).....	479.12	120.32
			Note: For single gang electrical box mounting. (HID P/N 5395).		
28 16 11 00-0099	EA		Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx).....	530.59	120.32
			Note: For mullion mounting. (HID P/N 5365).		

**28 Electronic Safety and Security****28 10 Access Control****28 16 Access Control Interfaces**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0100	EA		EntryProx Single-Door Proximity Access Control..... Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.	669.55	120.32
28 16 11 00-0101			<b>Contactless Smart Card Controls, Wiegand Output Access Controls</b> (28 16 11 00-0064)		
28 16 11 00-0102			<b>HID, Contactless Smart Cards</b> (28 16 11 00-0101)		
28 16 11 00-0103	EA		2K Bits, Clamshell Type, HID iClass, Contactless Smart Card .....	10.43	
28 16 11 00-0104	EA		16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card.....	11.39	
28 16 11 00-0105	EA		16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card.....	14.91	
28 16 11 00-0106	EA		16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card..... Note: Battery powered tag to boost signal.	8.07	
28 16 11 00-0107			<b>HID, Contactless Smart Card Readers, Wiegand Output Access Controls</b> (28 16 11 00-0101)		
28 16 11 00-0108	EA		Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10) .....	428.84	120.32
			Note: For mullion mounting.		
28 16 11 00-0109	EA		Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40) .....	585.36	120.32
			Note: For mullion mounting.		
28 16 11 00-0110	EA		Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40).....	937.52	120.32
			Note: For mullion mounting.		
28 16 11 00-0111			<b>HID, Contactless Smart Card Programmer, Wiegand Output Access Controls</b> (28 16 11 00-0101)		
28 16 11 00-0112	EA		HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400) .....	2,918.20	120.32
			Note: For mullion mounting.		
28 16 11 00-0113			<b>Call Station Controls, Wiegand Output Access Controls</b> (28 16 11 00-0064)		
			Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0114	EA		Call Station With Entry Keypad, Exterior Wiegand Output Access Controls .....	1,155.36	120.32
			Note: For mullion mounting.		
28 16 11 00-0115	EA		Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls.....	964.79	120.32
			Note: For mullion mounting.		
28 16 11 00-0116			<b>Biometrics Readers, Wiegand Output Access Controls</b> (28 16 11 00-0064)		
28 16 11 00-0117	EA		Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls.....	4,735.06	96.26
28 16 11 00-0118	EA		CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls .....	5,778.90	96.26
28 16 11 00-0119	EA		Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls .....	2,290.70	96.26
28 16 11 00-0120	EA		Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass).....	1,487.52	96.26
28 16 11 00-0121	EA		Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox) .....	1,655.21	96.26
28 16 11 00-0122	EA		Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart).....	1,487.52	96.26
28 16 11 00-0123			<b>Exterior Mounting Posts For Gate Operator Access Controls</b> (28 16 11)		
			Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0124			<b>2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls</b> (28 16 11 00-0123)		
28 16 11 00-0125	EA		44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	309.58	18.85
			Note: Includes a 5" x 5" base plate.		
28 16 11 00-0126	EA		73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	609.40	18.85
			Note: Includes an 8" x 8" base plate.		
28 16 11 00-0127	EA		Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	279.09	18.85
			Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0128			<b>4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls</b> (28 16 11 00-0123)		
28 16 11 00-0129	EA		59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls .....	561.13	18.85
			Note: Includes an 8" x 8" base plate.		
28 16 11 00-0130	EA		49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls .....	672.92	18.85
			Note: Includes an 8" x 8" base plate and a 14" offset from back of post.		
28 16 11 00-0131	EA		Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls.....	406.13	18.85
			Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0132			<b>4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls</b> (28 16 11 00-0123)		
28 16 11 00-0133	EA		59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	1,854.42	18.85
			Note: Includes a 11" x 13" base plate.		
28 16 11 00-0134	EA		50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	1,943.35	18.85
			Note: Includes a 10" x 14" base plate and a 14" offset from back of post.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0135 EA Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	787.26	18.85
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0136 EA 48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	1,270.02	18.85
<b>28 16 11 00-0137 Access Control Accessories (28 16 11)</b>		
28 16 11 00-0138 EA 6 Volt DC, 12 Volt DC, Or 24 Volt DC, At 4 Amperes, Power Supply/Charger (Altronix SMP-5).....	460.33	
28 16 11 00-0139 EA 7 Amperes, 12 Volt, Battery.....	59.31	
28 16 11 00-0140 EA 18 Amperes, 12 Volt, Battery.....	132.19	
28 16 11 00-0141 EA Door Personality Module (Sensormatic RM-4).....	500.50	24.07
28 16 11 00-0142 EA Mini-Alert Door Ajar Sounder (System Sensor PA400).....	209.04	48.13
28 16 11 00-0143 EA Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C).....	66.56	28.88
28 16 11 00-0144 EA Access Control Systems Power Supply (Altronix AL400ULACMCB).....	544.47	19.25
28 16 11 00-0145 EA Surge Suppressor (Tripp-Lite IBAR4).....	82.54	4.82
28 16 11 00-0146 EA Door Strike Relay (Altronix RBSN-TTL).....	61.01	19.25
28 16 11 00-0147 EA 4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1).....	368.09	
Note: Set in concrete.		
28 16 11 00-0148 EA 16-Zone Input, Door Controller Expansion Module With 16" SPI Cable (Kantech KT-MOD-INP16).....	507.16	120.32
<b>28 16 11 00-0149 Access Controllers (28 16 11)</b>		
<b>28 16 11 00-0150 Microterm Controller (28 16 11 00-0149)</b>		
28 16 11 00-0151 EA Microterm Stand Alone One Or Two Door Processing Panel (Continental Instruments CICIP1100).....	1,269.66	120.32
Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.		
28 16 11 00-0152 EA Microterm PC Board (Continental Instruments CICIP1100PCB).....	909.69	72.19
28 16 11 00-0153 EA Battery Standby For Microterm (Continental Instruments CICIP1100BAT-2).....	428.27	
Note: Input 120 Volt AC, output 12 Volt DC to temporarily power the Microterm only.		
<b>28 16 11 00-0154 Miniterm Controller (28 16 11 00-0149)</b>		
28 16 11 00-0155 EA Miniterm Two Reader Processing Panel (Continental Instrument CICIP1200).....	1,976.13	120.32
Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, tamper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0156 EA Miniterm PC Board (Continental Instrument CICIP1200PCB).....	1,487.11	72.19
<b>28 16 11 00-0157 Super-2 Controller (28 16 11 00-0149)</b>		
28 16 11 00-0158 EA Super-Two - Two Reader Processing Panel (Continental Instruments CICIP1300).....	1,468.21	120.32
Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0159 EA Super-Two - PC Board (Continental Instruments CICIP1300BD).....	1,001.68	72.19
28 16 11 00-0160 EA Network Interface Board For Super-2 (Continental Instruments CICIP1300NETBD).....	282.54	72.19
Note: Optional on-board adapter allows for communication over TCP/IP.		
<b>28 16 11 00-0161 Smarterm Controller (28 16 11 00-0149)</b>		
28 16 11 00-0162 EA Smarterm Four Reader Processing Panel (Continental Instrument CICIP1400).....	4,131.87	144.39
Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0163 EA Smarterm PC Board (Continental Instrument CICIP1400PCB).....	3,170.21	72.19
28 16 11 00-0164 EA Smarterm Memory Board - 256K (Continental Instrument CICIP1400MB256-1).....	1,238.00	72.19
Note: Up to 10,000 cardholders.		
28 16 11 00-0165 EA Smarterm Memory Board - 2MB (Continental Instrument CICIP1400MB2-1).....	1,757.00	72.19
Note: Up to 50,000 cardholders.		
28 16 11 00-0166 EA Smarterm Relay Expander Board (Continental Instrument CICIP1400RB).....	1,368.10	72.19
Note: 16 Output relays, 8 alarm inputs.		
28 16 11 00-0167 EA Smarterm Alarm Expander Board (Continental Instrument CICIP1400RB).....	1,368.10	72.19
Note: (Supervised) 16 alarm inputs.		
<b>28 16 11 00-0168 Superterm-4 Controller (28 16 11 00-0149)</b>		
28 16 11 00-0169 EA Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400UL).....	3,815.16	144.39
Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.		
28 16 11 00-0170 EA Superterm-4 PC Board (Continental Instrument CICIP1400ULPCB).....	3,116.97	72.19
<b>28 16 11 00-0171 Superterm-8 Controller (28 16 11 00-0149)</b>		
28 16 11 00-0172 EA Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800).....	5,085.57	240.65
Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.		
28 16 11 00-0173 EA Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800EXP).....	5,518.07	240.65
Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.		
28 16 11 00-0174 EA Superterm-8 PC Board (Continental Instrument CICIP1800PCB).....	4,194.86	72.19
<b>28 16 11 00-0175 Turbo Superterm-4 Controller (28 16 11 00-0149)</b>		
28 16 11 00-0176 EA Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400ULT).....	3,815.16	144.39
Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.		
28 16 11 00-0177 EA Turbo Superterm-4 PC Board (Continental Instrument CICIP1400ULTPCB).....	3,116.97	72.19

**28 Electronic Safety and Security****28 10 Access Control****28 16 Access Control Interfaces**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 16 11 00-0178		<b>Turbo Superterm-8 Controller</b> (28 16 11 00-0149)			
28 16 11 00-0179	EA	Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument C1CP1800T).....	5,085.57		240.65
		Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.			
28 16 11 00-0180	EA	Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument C1CP1800TEXP).....	5,518.07		240.65
		Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.			
28 16 11 00-0181	EA	Turbo Superterm-8 PC Board (Continental Instrument C1CP1800TPCB).....	4,194.86		72.19
28 16 11 00-0182	EA	Superterm Memory Board - 2MB (Continental Instrument C1CP1800MB2).....	1,757.00		72.19
		Note: Up to 140,000 cardholders.			
28 16 11 00-0183	EA	Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument C1CP1800MB2X2).....	1,480.19		72.19
		Note: Up to 140,000 cardholders.			
28 16 11 00-0184	EA	Turbo Superterm-8 Relay Expander Board (Continental Instrument C1CP1800RB).....	1,369.50		72.19
		Note: 16 Output relays, 8 alarm inputs.			
28 16 11 00-0185	EA	Turbo Superterm-8 Alarm Expander Board (Continental Instrument C1CP1800RB).....	1,369.50		72.19
		Note: (Supervised) 16 Alarm inputs.			
28 16 11 00-0186	EA	Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument C1CP1800PPWS).....	554.75		
28 16 11 00-0187		<b>Intelligent Controller</b> (28 16 11 00-0149)			
28 16 11 00-0188	EA	Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501).....	984.60		72.19
28 16 11 00-0189	EA	Up To 64 Doors, Access Controller (Mercury Security EP-1502).....	1,707.04		120.32
28 16 11 00-0190		<b>Access Control Bundled System</b> (28 16 11)			
28 16 11 00-0191	EA	CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0).....	27,546.17		
		Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.			
28 16 11 00-0192		<b>Magnetic Locks</b> (28 16 11)			
		Note: Excludes access controls.			
28 16 11 00-0193		<b>Magnetic Door Locks</b> (28 16 11 00-0192)			
28 16 11 00-0194		<b>300 LB Magnetic Door Locks</b> (28 16 11 00-0193)			
28 16 11 00-0195	EA	Single Door, Surface Mount, 300 LB Magnetic Door Lock.....	494.89		96.26
28 16 11 00-0196		<b>600 LB Magnetic Door Locks</b> (28 16 11 00-0193)			
28 16 11 00-0197	EA	600 LB, Single Door, Surface Mount, Magnetic Door Lock.....	704.51		96.26
		For LED Status Indicator And Signal Relay, Add	64.00		
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	128.00		
		For Mortise Mount, Deduct	-102.40		
28 16 11 00-0198	EA	600 LB, Dual Doors, Surface Mount, Magnetic Door Lock.....	1,048.80		96.26
		For LED Status Indicator And Signal Relay, Add	107.03		
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	214.07		
28 16 11 00-0199		<b>1,200 LB Magnetic Door Locks</b> (28 16 11 00-0193)			
28 16 11 00-0200	EA	1,200 LB, Single Door, Surface Mount, Magnetic Door Lock.....	736.27		96.26
		For LED Status Indicator And Signal Relay, Add	125.06		
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	163.12		
28 16 11 00-0201	EA	Dual Doors, Surface Mount, 1,200 LB Magnetic Door Lock.....	1,117.40		96.26
		For LED Status Indicator And Signal Relay, Add	212.72		
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	277.46		
28 16 11 00-0202		<b>2,000 LB Shear Lock, Magnetic And Mechanical Locks</b> (28 16 11 00-0193)			
		Note: Includes LED status indicator and built-in signal relay.			
28 16 11 00-0203	EA	Single Door, Mortise Mount, 2,000 LB Shear Lock, Magnetic And Mechanical Door Lock.....	770.57		96.26
28 16 11 00-0204		<b>Magnetic Gate Locks</b> (28 16 11 00-0192)			
28 16 11 00-0205		<b>600 LB Magnetic Gate Locks</b> (28 16 11 00-0204)			
28 16 11 00-0206	EA	600 LB Magnetic Gate Lock.....	578.74		96.26
28 16 11 00-0207		<b>1,200 LB Magnetic Gate Locks</b> (28 16 11 00-0204)			
28 16 11 00-0208	EA	1,200 LB Magnetic Gate Lock.....	694.35		96.26
		For LED Status Indicator And Signal Relay, Add	62.73		
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	125.46		
		For Mortise Mount, Deduct	-100.36		
28 16 11 00-0209		<b>Magnetic Lock Power Supply And Chargers</b> (28 16 11 00-0192)			
		Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.			
28 16 11 00-0210	EA	12/24 Volt DC At 1 Ampere, Magnetic Lock Backup Power Supply And Charger.....	430.83		96.26
28 16 11 00-0211	EA	12/24 Volt DC At 2-1/2 Amperes, Magnetic Lock Backup Power Supply And Charger.....	546.02		96.26
28 16 11 00-0212	EA	12 Volt DC At 4 Amperes And 24 Volt DC At 3 Amperes, Magnetic Lock Backup Power Supply And Charger.....	613.77		96.26
28 16 11 00-0213	EA	12/24 Volt DC At 6 Amperes, Magnetic Lock Backup Power Supply And Charger.....	769.61		96.26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 16 11 00-0214 Master Door Buzzer Stations (28 16 11)

28 16 11 00-0215 Master Stations (28 16 11 00-0214)

28 16 11 00-0216	EA		Master Stations, 5 Station Intercommunication Equipment.....	848.65	150.17
28 16 11 00-0217	EA		Master Stations, 10 Station Intercommunication Equipment.....	1,287.56	290.71
28 16 11 00-0218	EA		Master Station, Desk Style Remote Intercommunication Equipment .....	366.74	75.08
28 16 11 00-0219	EA		Master Station, Flush Wall Remote Intercommunication Equipment .....	474.94	125.14
28 16 11 00-0220	EA		Sound System Outlet, Protector.....	125.11	49.00
28 16 11 00-0221	EA		Sound System Microphone Outlet .....	221.64	100.30
28 16 11 00-0222	EA		Ceiling Or Wall, Sound System Speaker.....	164.29	49.00
28 16 11 00-0223	EA		Sound System Monitor Panel.....	471.85	100.30
28 16 11 00-0224	EA		Sound System Volume Control.....	143.18	49.00
28 16 11 00-0225	EA		250 Watt, Sound System Amplifier .....	2,170.97	401.12
28 16 11 00-0226	EA		Sound System Cabinet.....	1,299.54	401.12

28 16 11 00-0227 Master Door Stations (28 16 11 00-0214)

28 16 11 00-0228	EA		Master Door Stations, Button Buzzer Type, 25 Station.....	1,942.71	
			<i>For Intercom Type Master Door Station, Add</i>	150.50	
28 16 11 00-0229	EA		Master Door Stations, Button Buzzer Type, 50 Station.....	3,219.24	
			<i>For Intercom Type Master Door Station, Add</i>	243.81	
28 16 11 00-0230	EA		Master Door Stations, Button Buzzer Type, 75 Station.....	4,424.00	
			<i>For Intercom Type Master Door Station, Add</i>	316.06	
28 16 11 00-0231	EA		Master Door Stations, Button Buzzer Type, 100 Station.....	5,054.00	
			<i>For Intercom Type Master Door Station, Add</i>	370.24	
28 16 11 00-0232	EA		Master Door Stations, Button Buzzer Type, 150 Station.....	6,103.40	
			<i>For Intercom Type Master Door Station, Add</i>	541.81	
28 16 11 00-0233	EA		Master Door Stations, Button Buzzer Type, 200 Station.....	7,140.83	
			<i>For Intercom Type Master Door Station, Add</i>	698.33	
28 16 11 00-0234	EA		Master Door Stations, Button Buzzer Type, 250 Station.....	8,981.58	
			<i>For Intercom Type Master Door Station, Add</i>	903.02	
28 16 11 00-0235	EA		Master Door Stations, Button Buzzer Type, 300 Station.....	10,744.03	
			<i>For Intercom Type Master Door Station, Add</i>	1,035.46	
28 16 11 00-0236	EA		Transformer .....	135.39	
28 16 11 00-0237	EA		Door Opener .....	200.55	
28 16 11 00-0238	EA		Buzzer With Door Release And Plate .....	248.72	
28 16 11 00-0239	EA		Amplifier For Intercom Type Unit .....	396.50	
28 16 11 00-0240	EA		Speaker With Door Release.....	168.00	

28 18 Security Access Detection Equipment (28 10)

28 18 11 Security Access Metal Detectors (28 18)

28 18 11 00-0001 Metal Detectors (28 18 11)

28 18 11 00-0002	EA		Handheld Scanner (Garrett Super Scanner V).....	198.75	24.07
28 18 11 00-0003	EA		Single-Zone, Walk-Through Metal Detector, Complete Unit (Garrett CS 5000).....	3,189.08	288.78
28 18 11 00-0004	EA		Multi-Zone, Walk-Through Metal Detector, Complete Unit (Garrett PD 6500I).....	4,911.68	385.04

28 20 Video Surveillance (28)

Note: Includes testing of new devices and certification.

28 21 Surveillance Cameras (28 20)

28 21 31 Proprietary Surveillance Camera Systems (28 21)

Note: Includes programming of equipment, testing and certification of new devices.

28 21 31 00-0001 Closed Circuit Television And Surveillance Systems (28 21 31)

28 21 31 00-0002 Cameras And Accessories (28 21 31 00-0001)

28 21 31 00-0003 Cameras (28 21 31 00-0002)

28 21 31 00-0004 General Use Video Camera (28 21 31 00-0003)

28 21 31 00-0005	EA		Environmental Pendant Mounted High Performance Dome Camera.....	3,148.13	96.26
			Note: 16x optical and 8x digital zoom. Auto focus, high resolution integrated low light color camera. Pelco model SD53TC-PG-E1.		
28 21 31 00-0006	EA		Spare CCTV Camera.....	2,334.74	96.26
			Note: Pelco model DD53TC-16.		
28 21 31 00-0007	EA		1/3" CCD Wide Range DSP Color Camera.....	1,151.39	96.26
			Note: JVC model TK-C1460U		
28 21 31 00-0008	EA		1/3" High Resolution Digital CCD Day/Night Camera .....	790.16	96.26
			Note: Pelco model CC3770H.		

28 21 31 00-0009 Camera Power Supply (28 21 31 00-0003)

28 21 31 00-0010	EA		24 Volt AC, Outdoor.....	273.24	48.13
			Note: Type WCS1-4 as manufactured by Pelco		
28 21 31 00-0011	EA		24 Volt AC, Indoor Power Supply Units.....	389.59	48.13
			Note: Type MCS16-20B as manufactured by Pelco		
28 21 31 00-0012	EA		24 Volt AC, 7 Amperes (175VA) Rack Mount CCTV Power Supply.....	4,420.43	120.32
			Note: Altronix model R2416UL. 16 Fuse protected outputs.		

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0013			<b>Enclosures</b> (28 21 31 00-0002)		
28 21 31 00-0014	EA		19" Gangable Enclosure ..... Note: Middle Atlantic Products model MRK-4426. 1/8" Thick structural steel internal braces.	1,316.71	120.32
28 21 31 00-0015			<b>Miscellaneous Accessories</b> (28 21 31 00-0002)		
28 21 31 00-0016	EA		Digital Video Controller, 8/16 Camera Inputs, 80GB-1TB Storage..... Note: Pelco model DX8008-1000	13,974.47	80.27
28 21 31 00-0017	EA		Video Mass Storage Unit, Up To 14 IDE Drives..... Note: Pelco model DX9200HDDI	26,021.96	80.27
28 21 31 00-0018	EA		Line-Interactive Network Power Management System..... Note: Trip Lite model SMART1500RM2U. 1500VA line interactive 2U rack/tower UPS system with sine wave output in AC and battery mode. 8 outlets arranged in 2 switchable load banks.	1,365.80	80.27
28 21 31 00-0019			<b>Camera Mounting</b> (28 21 31 00-0002)		
28 21 31 00-0020			<b>Camera Wall Mounts</b> (28 21 31 00-0019)		
28 21 31 00-0021	EA		Parapet Camera Wall Mount, 1.5" Diameter Pipe ..... Note: Pelco model PP350	710.78	94.69
28 21 31 00-0022	EA		Wall Mount Bracket For Exterior CCTV Without Transformer ..... Note: Pelco model IWM-GY.	312.90	94.80
28 21 31 00-0023	EA		Wall Mount Bracket For Exterior CCTV With Transformer ..... Note: Pelco model IWM-24GY. Includes integral 24 VAC, 100 VA transformer, gray finish.	532.09	94.80
28 21 31 00-0024	EA		Pole Adapter Wall Mount ..... Note: Pelco model PA402.	271.81	94.80
28 21 31 00-0025			<b>Video Monitor</b> (28 21 31 00-0001)		
28 21 31 00-0026	EA		15" Flat Panel TFT LCD High Resolution Video Monitor ..... Note: Pelco model PMCL15A	2,273.82	192.53
28 21 31 00-0027	EA		17" Color Video Monitor ..... Note: JVC model number TM-H1700GU.	1,453.49	192.53
28 21 31 00-0028			<b>Closed Circuit Television And Surveillance Systems (Pelco)</b> (28 21 31)		
28 21 31 00-0029			<b>Cameras And Accessories</b> (28 21 31 00-0028)		
28 21 31 00-0030			<b>Cameras</b> (28 21 31 00-0029)		
28 21 31 00-0031			<b>Compact, 1/3" Format Cameras</b> (28 21 31 00-0030)		
28 21 31 00-0032			<b>High Resolution Color, Compact, 1/3" Format Cameras</b> (28 21 31 00-0031)		
28 21 31 00-0033	EA		High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6) ..... Note: Includes camera and lens.	442.47	24.12
28 21 31 00-0034			<b>Day/Night, Compact, 1/3" Format Cameras</b> (28 21 31 00-0031)		
28 21 31 00-0035	EA		High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6).....	263.66	24.12
28 21 31 00-0036			<b>Camerapaks</b> (28 21 31 00-0029)		
28 21 31 00-0037			<b>Camerapaks</b> (28 21 31 00-0036)		
28 21 31 00-0038			<b>High Resolution Color, Camerapaks</b> (28 21 31 00-0037)		
28 21 31 00-0039			<b>Fixed Focus, High Resolution Color, Camerapaks</b> (28 21 31 00-0038)		
28 21 31 00-0040			<b>Manual Iris, Fixed Focus, High Resolution Color, Camerapaks</b> (28 21 31 00-0039)		
28 21 31 00-0041	EA		2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3).....	341.21	24.12
28 21 31 00-0042	EA		2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8).....	321.11	24.12
28 21 31 00-0043	EA		4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4).....	311.77	24.12
28 21 31 00-0044	EA		8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8).....	309.62	24.12
28 21 31 00-0045			<b>Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks</b> (28 21 31 00-0039)		
28 21 31 00-0046	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A).....	371.37	24.12
28 21 31 00-0047	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A).....	341.21	24.12
28 21 31 00-0048	EA		4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A).....	334.03	24.12
28 21 31 00-0049	EA		8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A).....	328.29	24.12
28 21 31 00-0050			<b>Varifocal, High Resolution Color, Camerapaks</b> (28 21 31 00-0038)		
28 21 31 00-0051			<b>Manual Iris, Varifocal, High Resolution Color, Camerapaks</b> (28 21 31 00-0050)		
28 21 31 00-0052	EA		1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1).....	400.82	24.12
28 21 31 00-0053	EA		2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2).....	362.04	24.12
28 21 31 00-0054	EA		2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21).....	330.44	24.12
28 21 31 00-0055	EA		3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3).....	317.52	24.12
28 21 31 00-0056	EA		5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5).....	365.63	24.12
28 21 31 00-0057			<b>Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks</b> (28 21 31 00-0050)		
28 21 31 00-0058	EA		1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A).....	432.41	24.12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0059	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A).....	405.84	24.12
28 21 31 00-0060	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A).....	360.60	24.12
28 21 31 00-0061	EA		3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A).....	322.54	24.12
28 21 31 00-0062	EA		5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A).....	380.71	24.12
28 21 31 00-0063	EA		5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A).....	429.54	24.12
28 21 31 00-0064	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A).....	492.02	24.12
<b>28 21 31 00-0065</b>			<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0065)</small>		
28 21 31 00-0066	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A).....	339.06	24.12
28 21 31 00-0067	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A).....	404.41	24.12
<b>28 21 31 00-0068</b>			<b>High Resolution Day/Night, Camerapaks</b> <small>(28 21 31 00-0068)</small>		
<b>28 21 31 00-0069</b>			<b>Varifocal, High Resolution Day/Night, Camerapaks</b> <small>(28 21 31 00-0069)</small>		
<b>28 21 31 00-0070</b>			<b>Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks</b> <small>(28 21 31 00-0070)</small>		
28 21 31 00-0071	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A).....	680.16	24.12
28 21 31 00-0072	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A).....	634.92	24.12
28 21 31 00-0073	EA		3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A).....	596.86	24.12
28 21 31 00-0074	EA		5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A).....	655.02	24.12
28 21 31 00-0075	EA		5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A).....	703.86	24.12
28 21 31 00-0076	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A).....	765.61	24.12
<b>28 21 31 00-0077</b>			<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks</b> <small>(28 21 31 00-0077)</small>		
28 21 31 00-0078	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A).....	613.37	24.12
28 21 31 00-0079	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A).....	678.72	24.12
<b>28 21 31 00-0080</b>			<b>Compact Camerapaks</b> <small>(28 21 31 00-0080)</small>		
<b>28 21 31 00-0081</b>			<b>High Resolution Color, Compact Camerapaks</b> <small>(28 21 31 00-0081)</small>		
<b>28 21 31 00-0082</b>			<b>DSS, High Resolution Color, Compact Camerapaks</b> <small>(28 21 31 00-0082)</small>		
<b>28 21 31 00-0083</b>			<b>Fixed Focus, DSS, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0083)</small>		
<b>28 21 31 00-0084</b>			<b>Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0084)</small>		
28 21 31 00-0085	EA		2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3).....	528.64	24.12
28 21 31 00-0086	EA		2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8).....	508.53	24.12
28 21 31 00-0087	EA		4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4).....	498.48	24.12
28 21 31 00-0088	EA		8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8).....	496.32	24.12
<b>28 21 31 00-0089</b>			<b>Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0089)</small>		
28 21 31 00-0090	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A).....	558.08	24.12
28 21 31 00-0091	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A).....	528.64	24.12
28 21 31 00-0092	EA		4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A).....	521.46	24.12
28 21 31 00-0093	EA		8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A).....	515.71	24.12
<b>28 21 31 00-0094</b>			<b>Varifocal, DSS, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0094)</small>		
<b>28 21 31 00-0095</b>			<b>Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0095)</small>		
28 21 31 00-0096	EA		1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1).....	588.24	24.12
28 21 31 00-0097	EA		2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2).....	548.75	24.12
28 21 31 00-0098	EA		2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21).....	517.87	24.12
28 21 31 00-0099	EA		3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3).....	504.94	24.12
28 21 31 00-0100	EA		5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5).....	552.34	24.12
28 21 31 00-0101	EA		5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50).....	583.21	24.12
28 21 31 00-0102	EA		5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55).....	656.46	24.12
<b>28 21 31 00-0103</b>			<b>Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0103)</small>		
28 21 31 00-0104	EA		1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A).....	619.12	24.12
28 21 31 00-0105	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A).....	593.27	24.12
28 21 31 00-0106	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A).....	548.03	24.12
28 21 31 00-0107	EA		3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A).....	509.25	24.12
28 21 31 00-0108	EA		5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A).....	568.13	24.12
28 21 31 00-0109	EA		5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A).....	616.97	24.12
28 21 31 00-0110	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A).....	678.72	24.12
<b>28 21 31 00-0111</b>			<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0111)</small>		

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 21 31 00-0112	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A) .....	526.48		24.12
28 21 31 00-0113	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A) .....	591.83		24.12
28 21 31 00-0114		<b>EDR, High Resolution Color, Compact Camerapaks</b> (28 21 31 00-0081)			
28 21 31 00-0115		<b>Fixed Focus, EDR, High Resolution Color, Camerapaks</b> (28 21 31 00-0114)			
28 21 31 00-0116		<b>Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks</b> (28 21 31 00-0115)			
28 21 31 00-0117	EA	2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3).....	528.64		24.12
28 21 31 00-0118	EA	2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8).....	396.51		24.12
28 21 31 00-0119	EA	4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4).....	386.46		24.12
28 21 31 00-0120	EA	8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8).....	384.30		24.12
28 21 31 00-0121		<b>Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks</b> (28 21 31 00-0115)			
28 21 31 00-0122	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A).....	446.06		24.12
28 21 31 00-0123	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A).....	416.62		24.12
28 21 31 00-0124	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A).....	409.43		24.12
28 21 31 00-0125	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A).....	409.43		24.12
28 21 31 00-0126		<b>Varifocal, EDR, High Resolution Color, Camerapaks</b> (28 21 31 00-0114)			
28 21 31 00-0127		<b>Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks</b> (28 21 31 00-0126)			
28 21 31 00-0128	EA	1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1).....	476.22		24.12
28 21 31 00-0129	EA	2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2).....	436.72		24.12
28 21 31 00-0130	EA	2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21).....	405.84		24.12
28 21 31 00-0131	EA	3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3).....	392.92		24.12
28 21 31 00-0132	EA	5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5).....	440.31		24.12
28 21 31 00-0133	EA	5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50).....	471.19		24.12
28 21 31 00-0134	EA	5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55).....	544.44		24.12
28 21 31 00-0135		<b>Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks</b> (28 21 31 00-0126)			
28 21 31 00-0136	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A).....	507.10		24.12
28 21 31 00-0137	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A).....	481.24		24.12
28 21 31 00-0138	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A).....	435.29		24.12
28 21 31 00-0139	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A).....	397.23		24.12
28 21 31 00-0140	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A).....	456.11		24.12
28 21 31 00-0141	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A).....	504.94		24.12
28 21 31 00-0142	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A).....	566.70		24.12
28 21 31 00-0143		<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks</b> (28 21 31 00-0126)			
28 21 31 00-0144	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A) .....	414.46		24.12
28 21 31 00-0145	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A) .....	479.81		24.12
28 21 31 00-0146		<b>High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0080)			
28 21 31 00-0147		<b>Fixed Focus, High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0146)			
28 21 31 00-0148		<b>Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0147)			
28 21 31 00-0149	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8) .....	488.43		24.12
28 21 31 00-0150		<b>DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0147)			
28 21 31 00-0151	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A) .....	550.18		24.12
28 21 31 00-0152	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A) .....	520.02		24.12
28 21 31 00-0153		<b>Varifocal, High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0146)			
28 21 31 00-0154		<b>Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0153)			
28 21 31 00-0155	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21) .....	509.25		24.12
28 21 31 00-0156	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3).....	496.32		24.12
28 21 31 00-0157	EA	5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50) .....	575.32		24.12
28 21 31 00-0158		<b>Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0153)			



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0159	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A).....	584.65	24.12
28 21 31 00-0160	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A).....	539.41	24.12
28 21 31 00-0161	EA		3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A).....	501.35	24.12
28 21 31 00-0162	EA		5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A).....	559.52	24.12
28 21 31 00-0163	EA		5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A).....	608.35	24.12
28 21 31 00-0164	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A).....	670.82	24.12
28 21 31 00-0165			<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0153)		
28 21 31 00-0166	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A).....	517.87	24.12
28 21 31 00-0167	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A).....	583.21	24.12
28 21 31 00-0168			<b>Camera Systems</b> (28 21 31 00-0029)		
28 21 31 00-0169			<b>Camera Dome Systems</b> (28 21 31 00-0168)		
28 21 31 00-0170			<b>Spectra®, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0169)		
28 21 31 00-0171			<b>Spectra®, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0170) Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0172			<b>Spectra® IV, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0171)		
28 21 31 00-0173			<b>Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0172)		
28 21 31 00-0174	EA		22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB).....	2,176.55	144.69
28 21 31 00-0175	EA		22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F).....	2,470.97	144.69
28 21 31 00-0176	EA		22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB).....	2,603.10	144.69
28 21 31 00-0177	EA		22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E).....	3,591.20	144.69
28 21 31 00-0178			<b>Color, Spectra® IV, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0172)		
28 21 31 00-0179	EA		16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB).....	1,842.63	144.69
28 21 31 00-0180	EA		16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F).....	1,991.28	144.69
28 21 31 00-0181	EA		16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB).....	2,124.13	144.69
28 21 31 00-0182	EA		16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E).....	2,200.24	144.69
28 21 31 00-0183	EA		16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E).....	2,200.24	144.69
28 21 31 00-0184	EA		22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB).....	2,302.93	144.69
28 21 31 00-0185	EA		22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F).....	2,598.07	144.69
28 21 31 00-0186	EA		22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB).....	2,730.92	144.69
28 21 31 00-0187	EA		22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E).....	2,807.04	144.69
28 21 31 00-0188	EA		22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E).....	2,807.04	144.69
28 21 31 00-0189			<b>Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0172)		
28 21 31 00-0190	EA		23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB).....	2,671.32	144.69
28 21 31 00-0191	EA		23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F).....	2,966.46	144.69
28 21 31 00-0192	EA		23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB).....	3,099.31	144.69
28 21 31 00-0193	EA		23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E).....	3,175.42	144.69
28 21 31 00-0194	EA		23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E).....	3,175.42	144.69
28 21 31 00-0195			<b>Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0172)		
28 21 31 00-0196	EA		18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB).....	2,430.04	144.69
28 21 31 00-0197	EA		18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F).....	2,579.40	144.69
28 21 31 00-0198	EA		18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB).....	2,711.53	144.69
28 21 31 00-0199	EA		18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E).....	2,787.65	144.69
28 21 31 00-0200	EA		18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E).....	2,787.65	144.69
28 21 31 00-0201	EA		35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB).....	2,913.32	144.69
28 21 31 00-0202	EA		35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F).....	3,148.14	144.69
28 21 31 00-0203	EA		35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB).....	3,280.27	144.69
28 21 31 00-0204	EA		35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E).....	3,356.39	144.69
28 21 31 00-0205	EA		35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E).....	3,356.39	144.69
28 21 31 00-0206			<b>Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0171)		
28 21 31 00-0207			<b>Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0206)		
28 21 31 00-0208	EA		16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF)..... For Protective Lower Dome Cage, Add	2,379.05 34.65	144.69
28 21 31 00-0209	EA		16X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP)..... For Protective Lower Dome Cage, Add	2,506.87 34.65	144.69

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0210	EA		16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE) .....	2,608.84	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0211	EA		22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF) .....	2,941.32	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0212	EA		22X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP) .....	3,069.15	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0213	EA		22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE) .....	3,171.83	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
<b>28 21 31 00-0214</b>			<b>Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0206)</small>		
28 21 31 00-0215	EA		18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF) .....	2,966.46	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0216	EA		18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP) .....	3,094.28	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0217	EA		18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE) .....	3,196.97	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0218	EA		35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF) .....	3,491.39	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0219	EA		35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP) .....	3,618.49	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0220	EA		35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE) .....	3,721.18	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
<b>28 21 31 00-0221</b>			<b>Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0171)</small>		
<b>28 21 31 00-0222</b>			<b>Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0221)</small>		
28 21 31 00-0223	EA		18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE) .....	3,909.32	144.69
28 21 31 00-0224	EA		35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE) .....	4,434.25	144.69
<b>28 21 31 00-0225</b>			<b>Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0171)</small>		
<b>28 21 31 00-0226</b>			<b>Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0225)</small>		
28 21 31 00-0227	EA		22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE) .....	3,405.22	144.69
<b>28 21 31 00-0228</b>			<b>Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0225)</small>		
28 21 31 00-0229	EA		16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE) .....	2,970.05	144.69
28 21 31 00-0230	EA		22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE) .....	3,533.04	144.69
<b>28 21 31 00-0231</b>			<b>Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0225)</small>		
28 21 31 00-0232	EA		23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE) .....	3,901.42	144.69
<b>28 21 31 00-0233</b>			<b>Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0225)</small>		
28 21 31 00-0234	EA		18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE) .....	3,558.17	144.69
28 21 31 00-0235	EA		35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE) .....	4,082.38	144.69
<b>28 21 31 00-0236</b>			<b>Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0171)</small>		
<b>28 21 31 00-0237</b>			<b>Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0236)</small>		
28 21 31 00-0238	EA		10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B) .....	1,393.10	144.69
<b>28 21 31 00-0239</b>			<b>Spectra® IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0170)</small>		
			Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
<b>28 21 31 00-0240</b>			<b>Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0239)</small>		
<b>28 21 31 00-0241</b>			<b>Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0240)</small>		
28 21 31 00-0242	EA		16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F) .....	2,527.70	144.69
28 21 31 00-0243	EA		16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB) .....	2,660.55	144.69
28 21 31 00-0244	EA		16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E) .....	2,736.66	144.69
28 21 31 00-0245	EA		16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E) .....	2,736.66	144.69

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0246	EA		22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1) .....	3,134.49	144.69
28 21 31 00-0247	EA		22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1) .....	3,267.34	144.69
28 21 31 00-0248	EA		22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1) .....	3,343.46	144.69
28 21 31 00-0249	EA		22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1) .....	3,343.46	144.69
<b>28 21 31 00-0250</b>			<b>Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0240)</small>		
28 21 31 00-0251	EA		23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1) .....	3,502.88	144.69
28 21 31 00-0252	EA		23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1) .....	3,635.73	144.69
28 21 31 00-0253	EA		23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1) .....	3,711.84	144.69
28 21 31 00-0254	EA		23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1) .....	3,711.84	144.69
<b>28 21 31 00-0255</b>			<b>Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0239)</small>		
<b>28 21 31 00-0256</b>			<b>Color, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0255)</small>		
28 21 31 00-0257	EA		16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1) .....	2,915.47	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0258	EA		16X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1) .....	3,043.29	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0259	EA		16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1) .....	3,145.26	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0260	EA		22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1) .....	3,477.74	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0261	EA		22X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1) .....	3,605.57	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0262	EA		22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1) .....	3,708.25	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
<b>28 21 31 00-0263</b>			<b>Day/Night, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0255)</small>		
28 21 31 00-0264	EA		18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1) .....	3,502.88	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0265	EA		18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1) .....	3,630.70	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0266	EA		18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1) .....	3,733.39	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0267	EA		35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1) .....	4,027.81	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0268	EA		35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1) .....	4,154.91	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
28 21 31 00-0269	EA		35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1) .....	4,257.60	144.69
			<i>For Protective Lower Dome Cage, Add</i> .....	34.65	
<b>28 21 31 00-0270</b>			<b>Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0239)</small>		
<b>28 21 31 00-0271</b>			<b>Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems</b> <small>(28 21 31 00-0270)</small>		
28 21 31 00-0272	EA		16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1) .....	3,506.47	144.69
28 21 31 00-0273	EA		22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1) .....	4,069.46	144.69
<b>28 21 31 00-0274</b>			<b>Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems</b> <small>(28 21 31 00-0270)</small>		
28 21 31 00-0275	EA		23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1) .....	4,437.84	144.69
<b>28 21 31 00-0276</b>			<b>Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems</b> <small>(28 21 31 00-0270)</small>		
28 21 31 00-0277	EA		18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1) .....	4,094.59	144.69
28 21 31 00-0278	EA		35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1) .....	4,618.80	144.69

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 21 31 00-0279		Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems (28 21 31 00-0239)			
28 21 31 00-0280		Color, Miniature Spectra® IP Network, Mini Camera Dome Systems (28 21 31 00-0279)			
28 21 31 00-0281	EA	10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1).....	1,739.22		144.69
28 21 31 00-0282		Spectra®, Pan/Tilt Dome Drives (28 21 31 00-0170) Note: Includes dome drive, camera and lens.			
28 21 31 00-0283	EA	10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4).....	1,291.00		120.57
28 21 31 00-0284	EA	10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N).....	1,635.69		120.57
28 21 31 00-0285	EA	22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22).....	2,061.52		120.57
28 21 31 00-0286	EA	16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16).....	1,626.35		120.57
28 21 31 00-0287	EA	22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22).....	2,188.63		120.57
28 21 31 00-0288	EA	18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18).....	2,213.76		120.57
28 21 31 00-0289	EA	23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23).....	2,557.01		120.57
28 21 31 00-0290	EA	35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35).....	2,738.69		120.57
28 21 31 00-0291	EA	35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35).....	2,738.69		120.57
28 21 31 00-0292		Accessories For Spectra® Pan/Tilt Camera Dome Systems (28 21 31 00-0170)			
28 21 31 00-0293	EA	Upgrade To Chrome Lower Dome (Pelco Spectra).....	101.25		
28 21 31 00-0294	EA	Upgrade To Gold Lower Dome (Pelco Spectra).....	132.13		
28 21 31 00-0295	EA	Wall Mount For Spectra® Systems (Pelco IWM-BK).....	113.16		12.06
28 21 31 00-0296	EA	24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK).....	280.48		12.06
28 21 31 00-0297	EA	Wall Arm Mount For Spectra® Systems (Pelco IDM4018).....	110.29		12.06
28 21 31 00-0298	EA	Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS).....	254.00		12.06
28 21 31 00-0299	EA	Pole Mount Adapter For Spectra® Systems (Pelco PA402).....	59.98		7.17
28 21 31 00-0300		Camclosure®, Camera Dome Systems (28 21 31 00-0169)			
28 21 31 00-0301		Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0300)			
28 21 31 00-0302		Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0301)			
28 21 31 00-0303		High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0302)			
28 21 31 00-0304	EA	12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12).....	544.31		144.69
28 21 31 00-0305	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22).....	587.39		144.69
28 21 31 00-0306	EA	12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12).....	648.43		144.69
28 21 31 00-0307	EA	12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12).....	648.43		144.69
28 21 31 00-0308		Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0302)			
28 21 31 00-0309	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22).....	656.33		144.69
28 21 31 00-0310	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22).....	712.34		144.69
28 21 31 00-0311	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22).....	712.34		144.69
28 21 31 00-0312		Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0302)			
28 21 31 00-0313	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22).....	746.81		144.69
28 21 31 00-0314	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22).....	885.40		144.69
28 21 31 00-0315	EA	9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22).....	885.40		144.69
28 21 31 00-0316		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0302)			
28 21 31 00-0317	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22).....	812.87		144.69
28 21 31 00-0318	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22).....	901.92		144.69
28 21 31 00-0319		Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0301)			
28 21 31 00-0320		High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0319)			
28 21 31 00-0321	EA	3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6).....	583.57		96.46

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0322			Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0319)</small>		
28 21 31 00-0323	EA		9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22).....	664.71	96.46
28 21 31 00-0324			Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0319)</small>		
28 21 31 00-0325	EA		9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22).....	729.34	96.46
28 21 31 00-0326			Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0319)</small>		
28 21 31 00-0327	EA		9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22).....	761.66	96.46
28 21 31 00-0328			Camclosure® IS Integrated Cameras <small>(28 21 31 00-0301)</small>		
28 21 31 00-0329	EA		12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12) .....	418.40	96.46
28 21 31 00-0330	EA		9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22).....	418.40	96.46
28 21 31 00-0331	EA		9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22).....	482.31	96.46
28 21 31 00-0332	EA		9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22).....	655.38	96.46
28 21 31 00-0333	EA		9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22).....	671.89	96.46
28 21 31 00-0334			Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 31 00-0300)</small>		
28 21 31 00-0335			Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 31 00-0334)</small>		
28 21 31 00-0336			Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 31 00-0335)</small>		
28 21 31 00-0337	EA		12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12).....	473.21	144.69
28 21 31 00-0338	EA		12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T) .....	504.09	144.69
28 21 31 00-0339	EA		12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12) .....	627.61	144.69
28 21 31 00-0340	EA		12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12) .....	627.61	144.69
28 21 31 00-0341			High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 31 00-0335)</small>		
28 21 31 00-0342	EA		3-9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A) .....	766.20	144.69
28 21 31 00-0343			Camclosure® ICS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0334)</small>		
28 21 31 00-0344			Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0343)</small>		
28 21 31 00-0345	EA		12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12) .....	531.15	96.46
28 21 31 00-0346			Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 31 00-0344)</small>		
28 21 31 00-0347			High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 31 00-0346)</small>		
28 21 31 00-0348	EA		9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22).....	712.34	144.69
28 21 31 00-0349			Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 31 00-0346)</small>		
28 21 31 00-0350	EA		9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22) .....	776.97	144.69
28 21 31 00-0351			Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 31 00-0346)</small>		
28 21 31 00-0352	EA		9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22) .....	858.12	144.69
28 21 31 00-0353			Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 31 00-0346)</small>		
28 21 31 00-0354	EA		9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22).....	890.43	144.69
28 21 31 00-0355			Camclosure® IP Network, Camera Dome Systems <small>(28 21 31 00-0300)</small>		
28 21 31 00-0356			Camclosure® IP Network, Camera Dome Systems <small>(28 21 31 00-0355)</small>		

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR		CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST
28 21 31 00-0357				<b>High Resolution Color, Camclosure® IP Network, Camera Dome Systems</b>		
28 21 31 00-0358	EA			3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9).....	1,246.61	144.69
28 21 31 00-0359	EA			9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22).....	1,246.61	144.69
28 21 31 00-0360				<b>Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems</b>		
28 21 31 00-0361	EA			3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9).....	1,335.65	144.69
28 21 31 00-0362	EA			9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22).....	1,335.65	144.69
28 21 31 00-0363				<b>Day/Night, Camclosure® IP Network, Camera Dome Systems</b>		
28 21 31 00-0364	EA			3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9).....	1,472.81	144.69
28 21 31 00-0365	EA			9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22).....	1,472.81	144.69
28 21 31 00-0366				<b>Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems</b>		
28 21 31 00-0367	EA			3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9).....	1,569.75	144.69
28 21 31 00-0368	EA			9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22).....	1,569.75	144.69
28 21 31 00-0369				<b>Accessories For Camclosure® Camera Dome Systems</b>		
28 21 31 00-0370	EA			4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP).....	27.40	7.23
28 21 31 00-0371	EA			4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP).....	27.40	7.23
28 21 31 00-0372	EA			Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS).....	37.05	12.06
28 21 31 00-0373	EA			Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND).....	57.15	12.06
28 21 31 00-0374	EA			2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P).....	57.56	7.23
28 21 31 00-0375	EA			Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG).....	57.15	12.06
28 21 31 00-0376	EA			Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM).....	71.51	12.06
28 21 31 00-0377	EA			Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A).....	188.98	24.12
28 21 31 00-0378	EA			Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A).....	188.98	24.12
28 21 31 00-0379	EA			Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A).....	188.98	24.12
28 21 31 00-0380	EA			Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A).....	188.98	24.12
28 21 31 00-0381	EA			Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P).....	67.92	12.06
28 21 31 00-0382	EA			Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD).....	80.54	24.12
28 21 31 00-0383	EA			Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD).....	80.54	24.12
28 21 31 00-0384	EA			Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD).....	80.54	24.12
28 21 31 00-0385	EA			Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD).....	80.54	24.12
28 21 31 00-0386	EA			Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD).....	80.54	24.12
28 21 31 00-0387	EA			Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD).....	80.54	24.12
28 21 31 00-0388	EA			Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC).....	233.00	32.94
28 21 31 00-0389	EA			Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P).....	49.25	12.06
28 21 31 00-0390	EA			Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW).....	81.57	12.06
28 21 31 00-0391	EA			White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P).....	49.25	12.06
28 21 31 00-0392	EA			White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW).....	81.57	12.06
28 21 31 00-0393	EA			Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC).....	1,165.46	144.69
28 21 31 00-0394				<b>Pan/Tilt Camera Systems</b>		
28 21 31 00-0395				<b>Esprit® CBZ, Pan/Tilt Camera Systems</b>		
28 21 31 00-0396				Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
28 21 31 00-0397				<b>EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems</b>		
28 21 31 00-0398	EA			10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N).....	3,244.00	217.03
28 21 31 00-0399	EA			20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N).....	3,675.57	217.03
28 21 31 00-0400	EA			30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N).....	4,273.75	217.03
28 21 31 00-0401	EA			10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN).....	3,336.63	217.03
28 21 31 00-0402	EA			20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN).....	3,787.60	217.03
28 21 31 00-0403	EA			30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN).....	4,385.77	217.03
28 21 31 00-0404				<b>Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems</b>		
28 21 31 00-0405	EA			10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W).....	3,273.44	217.03

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0406	EA		20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W).....	3,705.02	217.03
28 21 31 00-0407	EA		30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W).....	4,303.19	217.03
28 21 31 00-0408	EA		10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW).....	3,366.79	217.03
28 21 31 00-0409	EA		20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW).....	3,817.04	217.03
28 21 31 00-0410	EA		30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW).....	4,415.22	217.03
28 21 31 00-0411			<b>Esprit® CLZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0394)		
28 21 31 00-0412			<b>DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0411)		
28 21 31 00-0413			<b>Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0412)		
28 21 31 00-0414	EA		10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N).....	3,356.02	217.03
28 21 31 00-0415	EA		20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N).....	3,787.60	217.03
28 21 31 00-0416	EA		30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N).....	4,385.77	217.03
28 21 31 00-0417	EA		10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN).....	3,448.65	217.03
28 21 31 00-0418	EA		20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN).....	3,899.62	217.03
28 21 31 00-0419	EA		30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN).....	4,497.80	217.03
28 21 31 00-0420			<b>Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0412)		
28 21 31 00-0421	EA		10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W).....	3,385.46	217.03
28 21 31 00-0422	EA		20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W).....	3,817.04	217.03
28 21 31 00-0423	EA		30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W).....	4,415.22	217.03
28 21 31 00-0424	EA		10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW).....	3,478.81	217.03
28 21 31 00-0425	EA		20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW).....	3,929.06	217.03
28 21 31 00-0426	EA		30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW).....	4,527.24	217.03
28 21 31 00-0427			<b>Esprit® AJZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0394)		
28 21 31 00-0428			<b>High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0427)		
28 21 31 00-0429			<b>Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0428)		
28 21 31 00-0430	EA		6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N).....	3,168.59	217.03
28 21 31 00-0431	EA		5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N).....	3,600.17	217.03
28 21 31 00-0432	EA		5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N).....	4,198.35	217.03
28 21 31 00-0433	EA		6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN).....	3,261.95	217.03
28 21 31 00-0434	EA		5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN).....	3,712.20	217.03
28 21 31 00-0435	EA		5.5 x 30, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN).....	4,310.37	217.03
28 21 31 00-0436			<b>Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0428)		
28 21 31 00-0437	EA		6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	3,198.75	217.03
28 21 31 00-0438	EA		5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W).....	3,629.61	217.03
28 21 31 00-0439	EA		5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W).....	4,228.51	217.03
28 21 31 00-0440	EA		6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW).....	3,219.58	217.03
28 21 31 00-0441	EA		6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	3,291.39	217.03
28 21 31 00-0442	EA		5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW).....	3,741.64	217.03
28 21 31 00-0443	EA		5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW).....	4,340.53	217.03
28 21 31 00-0444			<b>Esprit® AMZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0394)		
28 21 31 00-0445			<b>Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0444)		
28 21 31 00-0446			<b>Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0445)		
28 21 31 00-0447	EA		5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N).....	3,778.98	217.03
28 21 31 00-0448	EA		5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N).....	4,377.16	217.03
28 21 31 00-0449	EA		6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN).....	3,440.75	217.03

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 21 31 00-0450	EA	5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN).....	3,891.00		217.03
28 21 31 00-0451	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN).....	4,489.18		217.03
<b>28 21 31 00-0452</b>		<b>Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0445)</small>			
28 21 31 00-0453	EA	6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W).....	3,377.56		217.03
28 21 31 00-0454	EA	5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W).....	3,808.42		217.03
28 21 31 00-0455	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W).....	4,407.32		217.03
28 21 31 00-0456	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW).....	3,470.20		217.03
28 21 31 00-0457	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW).....	3,920.45		217.03
28 21 31 00-0458	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW).....	4,519.34		217.03
<b>28 21 31 00-0459</b>		<b>Esprit® KWZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0394)</small>			
<b>28 21 31 00-0460</b>		<b>Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0459)</small>			
<b>28 21 31 00-0461</b>		<b>Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0460)</small>			
28 21 31 00-0462	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N).....	4,472.66		217.03
28 21 31 00-0463	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN).....	3,535.54		217.03
28 21 31 00-0464	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN).....	4,584.69		217.03
<b>28 21 31 00-0465</b>		<b>Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0460)</small>			
28 21 31 00-0466	EA	6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W).....	3,472.35		217.03
28 21 31 00-0467	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W).....	4,502.82		217.03
28 21 31 00-0468	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW).....	3,565.70		217.03
28 21 31 00-0469	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW).....	4,015.95		217.03
28 21 31 00-0470	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW).....	4,614.85		217.03
<b>28 21 31 00-0471</b>		<b>Esprit® IOC, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0394)</small>			
<b>28 21 31 00-0472</b>		<b>Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0471)</small>			
<b>28 21 31 00-0473</b>		<b>Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0472)</small>			
28 21 31 00-0474	EA	16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N).....	3,773.23		217.03
<b>28 21 31 00-0475</b>		<b>Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0472)</small>			
28 21 31 00-0476	EA	16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W).....	3,802.68		217.03
<b>28 21 31 00-0477</b>		<b>High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0471)</small>			
<b>28 21 31 00-0478</b>		<b>Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0477)</small>			
28 21 31 00-0479	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N).....	4,472.66		217.03
28 21 31 00-0480	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N).....	4,326.17		217.03
28 21 31 00-0481	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N).....	4,911.42		217.03
<b>28 21 31 00-0482</b>		<b>Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0477)</small>			
28 21 31 00-0483	EA	22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W).....	4,501.39		217.03
28 21 31 00-0484	EA	24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W).....	4,326.17		217.03
28 21 31 00-0485	EA	35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W).....	4,943.74		217.03
<b>28 21 31 00-0486</b>		<b>Esprit® IOP, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0394)</small>			
<b>28 21 31 00-0487</b>		<b>High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0486)</small>			
<b>28 21 31 00-0488</b>		<b>Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0487)</small>			
28 21 31 00-0489	EA	16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N).....	2,912.23		217.03
28 21 31 00-0490	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N).....	3,612.38		217.03
28 21 31 00-0491	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N).....	3,468.04		217.03
28 21 31 00-0492	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N).....	3,924.04		217.03
<b>28 21 31 00-0493</b>		<b>Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0487)</small>			



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0494	EA		16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W) .....	2,940.96	217.03
28 21 31 00-0495	EA		22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W) .....	3,641.82	217.03
28 21 31 00-0496	EA		24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W) .....	3,497.48	217.03
28 21 31 00-0497	EA		35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W) .....	3,956.35	217.03
<b>28 21 31 00-0498</b>			<b>Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0394)</b>		
<b>28 21 31 00-0499</b>			<b>Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0498)</b>		
<b>28 21 31 00-0500</b>			<b>Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0499)</b>		
28 21 31 00-0501	EA		14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N).....	18,463.41	217.03
28 21 31 00-0502	EA		35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N).....	19,851.49	217.03
28 21 31 00-0503	EA		50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N).....	20,317.54	217.03
<b>28 21 31 00-0504</b>			<b>Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0499)</b>		
28 21 31 00-0505	EA		14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W).....	18,493.57	217.03
28 21 31 00-0506	EA		35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W) .....	19,880.94	217.03
28 21 31 00-0507	EA		50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W).....	20,346.98	217.03
<b>28 21 31 00-0508</b>			<b>Accessories For Esprit® Pan/Tilt Camera Systems (28 21 31 00-0394)</b>		
28 21 31 00-0509	EA		Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE) .....	8.63	2.41
28 21 31 00-0510	EA		Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT) .....	49.25	12.06
28 21 31 00-0511	EA		Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM) .....	75.11	12.06
28 21 31 00-0512	EA		Wall Mount For High Security Enclosures (Pelco HSWM12) .....	94.49	12.06
28 21 31 00-0513	EA		Ground Isolation Transformer (Pelco GIT100) .....	283.27	32.94
28 21 31 00-0514	EA		High Security, Indoor Wedge Style Enclosure (Pelco HS2100) .....	480.77	32.94
28 21 31 00-0515	EA		High Security, Indoor 10" Length Enclosure (Pelco HS3000) .....	335.69	32.94
28 21 31 00-0516	EA		High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500) .....	560.66	32.94
28 21 31 00-0517	EA		High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080) .....	263.88	32.94
28 21 31 00-0518	EA		High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134) .....	810.16	32.94
28 21 31 00-0519	EA		Bullet-Resistant, Outdoor Enclosure (Pelco HS4514) .....	1,011.42	32.94
28 21 31 00-0520	EA		Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT).....	1,198.85	32.94
28 21 31 00-0521	EA		24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24) .....	1,241.21	32.94
28 21 31 00-0522	EA		35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35) .....	1,308.00	32.94
28 21 31 00-0523	EA		24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2).....	2,094.10	32.94
28 21 31 00-0524	EA		24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N) .....	2,119.13	32.94
28 21 31 00-0525	EA		24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W).....	2,143.16	32.94
28 21 31 00-0526	EA		30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30) .....	4,061.91	32.94
28 21 31 00-0527	EA		30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P) .....	4,173.93	32.94
28 21 31 00-0528	EA		Esprit® Camera Pole Mount Adapter (Pelco EPM).....	93.40	7.76
28 21 31 00-0529	EA		Pole Mount Adapter For Esprit® Systems (Pelco EPM) .....	93.40	7.76
<b>28 21 31 00-0530</b>			<b>Camera Lenses (28 21 31 00-0029)</b>		
<b>28 21 31 00-0531</b>			<b>Fixed Focus Camera Lenses (28 21 31 00-0530)</b>		
			Note: 1/3" format and manual focus.		
<b>28 21 31 00-0532</b>			<b>Manual Iris, Fixed Focus Camera Lenses (28 21 31 00-0531)</b>		
28 21 31 00-0533	EA		2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3).....	122.82	11.31
28 21 31 00-0534	EA		2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8).....	102.72	11.31
28 21 31 00-0535	EA		4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4).....	92.66	11.31
28 21 31 00-0536	EA		8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8).....	90.51	11.31
<b>28 21 31 00-0537</b>			<b>Direct Drive Auto Iris, Fixed Focus Camera Lenses (28 21 31 00-0531)</b>		
			Note: Includes spot filter. Excludes amplifier.		
28 21 31 00-0538	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3) .....	152.27	11.31
28 21 31 00-0539	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8) .....	122.82	11.31
28 21 31 00-0540	EA		4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4) .....	115.64	11.31
28 21 31 00-0541	EA		8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8) .....	84.05	11.31
<b>28 21 31 00-0542</b>			<b>Video Drive Auto Iris, Fixed Focus Camera Lenses (28 21 31 00-0531)</b>		
			Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 31 00-0543	EA		2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S).....	178.84	11.31
28 21 31 00-0544	EA		2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S).....	148.68	11.31
28 21 31 00-0545	EA		4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S).....	141.50	11.31
28 21 31 00-0546	EA		8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S).....	135.75	11.31
<b>28 21 31 00-0547</b>			<b>Varifocal Camera Lenses (28 21 31 00-0530)</b>		
			Note: 1/3" format and manual focus and zoom.		
<b>28 21 31 00-0548</b>			<b>Manual Iris, Varifocal Camera Lenses (28 21 31 00-0547)</b>		
28 21 31 00-0549	EA		1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3).....	202.26	11.31
28 21 31 00-0550	EA		2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6).....	142.93	11.31
28 21 31 00-0551	EA		2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12).....	112.05	11.31
28 21 31 00-0552	EA		3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8).....	99.13	11.31
28 21 31 00-0553	EA		5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5) .....	250.65	11.31
28 21 31 00-0554	EA		5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40).....	156.00	11.31
28 21 31 00-0555	EA		5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50).....	166.52	11.31

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

HUMBOLDT STATE UNIVERSITY

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 21 31 00-0556		<b>Direct Drive Auto Iris, Varifocal Camera Lenses</b> (28 21 31 00-0547)			
		Note: Includes spot filter.			
28 21 31 00-0557	EA	1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3) .....	198.75		11.31
28 21 31 00-0558	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6) .....	174.93		11.31
28 21 31 00-0559	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12) .....	132.87		11.31
28 21 31 00-0560	EA	3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8) .....	97.83		11.31
28 21 31 00-0561	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5) .....	272.91		11.31
28 21 31 00-0562	EA	5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50) .....	196.65		11.31
28 21 31 00-0563		<b>Video Drive Auto Iris, Varifocal Camera Lenses</b> (28 21 31 00-0547)			
		Note: Includes spot filter.			
28 21 31 00-0564	EA	1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S) .....	239.88		11.31
28 21 31 00-0565	EA	2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S) .....	213.31		11.31
28 21 31 00-0566	EA	3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S) .....	130.01		11.31
28 21 31 00-0567	EA	5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S) .....	237.00		11.31
28 21 31 00-0568		<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses</b> (28 21 31 00-0547)			
28 21 31 00-0569	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5) .....	113.95		11.31
28 21 31 00-0570	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50) .....	173.52		11.31
28 21 31 00-0571		<b>Motorized Zoom Camera Lenses</b> (28 21 31 00-0530)			
		Note: 1/3" format.			
28 21 31 00-0572		<b>Manual Iris, Motorized Zoom Camera Lenses</b> (28 21 31 00-0571)			
28 21 31 00-0573	EA	8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8) .....	431.61		11.31
28 21 31 00-0574	EA	10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10) .....	537.89		11.31
28 21 31 00-0575	EA	15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15) .....	573.07		11.31
28 21 31 00-0576		<b>Direct Drive Auto Iris, Motorized Zoom Camera Lenses</b> (28 21 31 00-0571)			
		Note: Includes spot filter.			
28 21 31 00-0577	EA	6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8) .....	468.58		11.31
28 21 31 00-0578	EA	10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10) .....	542.17		11.31
28 21 31 00-0579	EA	15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15) .....	632.68		11.31
28 21 31 00-0580	EA	20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20) .....	933.23		11.31
28 21 31 00-0581	EA	30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30) .....	1,856.24		11.31
28 21 31 00-0582		<b>Video Drive Auto Iris, Motorized Zoom Camera Lenses</b> (28 21 31 00-0571)			
		Note: Includes spot filter.			
28 21 31 00-0583	EA	8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S) .....	442.38		11.31
28 21 31 00-0584	EA	10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S) .....	525.68		11.31
28 21 31 00-0585	EA	15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S) .....	659.25		11.31
28 21 31 00-0586	EA	20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S) .....	957.26		11.31
28 21 31 00-0587	EA	30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S) .....	1,555.43		11.31
28 21 31 00-0588		<b>Camera Power Supplies</b> (28 21 31 00-0029)			
28 21 31 00-0589	EA	20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000) .....	32.22		9.65
28 21 31 00-0590	EA	50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000) .....	53.76		9.65
28 21 31 00-0591	EA	2 Amperes, 4 Outputs, Camera Power Supply (Pelco MCS4-2) .....	266.36		19.29
28 21 31 00-0592	EA	5 Amperes, 8 Outputs, Camera Power Supply (Pelco MCS8-5) .....	306.68		28.94
28 21 31 00-0593	EA	10 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-10) .....	344.88		38.59
		For Switchable Outputs, Add	160.63		
28 21 31 00-0594	EA	20 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-20) .....	385.21		48.23
		For Switchable Outputs, Add	173.25		
28 21 31 00-0595		<b>Camera Illuminators</b> (28 21 31 00-0029)			
28 21 31 00-0596		<b>Camera Illuminators</b> (28 21 31 00-0595)			
		Note: Includes lamp and mounting bracket.			
28 21 31 00-0597	EA	Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF) .....	1,138.72		19.29
28 21 31 00-0598	EA	Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS) .....	1,138.72		19.29
28 21 31 00-0599	EA	Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF) .....	1,138.72		19.29
28 21 31 00-0600		<b>Camera Illuminator Accessories</b> (28 21 31 00-0595)			
28 21 31 00-0601	EA	Removal And Replacement Of Lamp For Low Light Level Camera Illuminator (Pelco PAR56) .....	99.63		19.29
28 21 31 00-0602		<b>Camera Receivers</b> (28 21 31 00-0029)			
28 21 31 00-0603	EA	24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP) .....	1,117.70		32.94
28 21 31 00-0604	EA	120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP) .....	1,117.70		32.94
28 21 31 00-0605		<b>Pan And Tilt Drives</b> (28 21 31 00-0029)			
28 21 31 00-0606	EA	15 LB Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P) .....	800.32		72.34
28 21 31 00-0607	EA	40 LB Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P) .....	1,010.00		72.34
		For Preset Positioning, Add	165.00		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0608	EA		100 LB Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P)..... <i>For Preset Positioning, Add</i>	2,110.13 165.00	72.34
28 21 31 00-0609	EA		100 LB Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC)..... <i>For Preset Positioning, Add</i>	2,408.14 165.00	72.34
28 21 31 00-0610	EA		100 LB Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL)..... <i>For Preset Positioning, Add</i>	2,782.99 165.00	72.34
28 21 31 00-0611	EA		100 LB Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX)..... <i>For Preset Positioning, Add</i>	3,580.08 165.00	72.34
<b>28 21 31 00-0612</b>			<b>Scanners</b> <small>(28 21 31 00-0029)</small>		
28 21 31 00-0613	EA		35 LB Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24)..... <i>For Wall Mount, Add</i> <i>For Pressure Sensor Alarm, Add</i>	910.18 39.05 51.15	72.34
28 21 31 00-0614	EA		35 LB Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20)..... <i>For Wall Mount, Add</i> <i>For Pressure Sensor Alarm, Add</i>	955.42 39.05 51.15	72.34
<b>28 21 31 00-0615</b>			<b>Camera Monitors</b> <small>(28 21 31 00-0028)</small>		
<b>28 21 31 00-0616</b>			<b>Camera Monitors</b> <small>(28 21 31 00-0615)</small>		
<b>28 21 31 00-0617</b>			<b>Monochrome Camera Monitors</b> <small>(28 21 31 00-0616)</small>		
28 21 31 00-0618	EA		9" Monochrome Camera Monitor (Pelco PMM9A).....	177.59	14.47
28 21 31 00-0619	EA		12" Monochrome Camera Monitor (Pelco PMM12A).....	202.72	14.47
28 21 31 00-0620	EA		15" Monochrome Camera Monitor (Pelco PMM15A).....	309.00	14.47
28 21 31 00-0621	EA		20" Monochrome Camera Monitor (Pelco PMM20A).....	494.99	14.47
<b>28 21 31 00-0622</b>			<b>Color Camera Monitors</b> <small>(28 21 31 00-0616)</small>		
28 21 31 00-0623	EA		9", High Resolution Color, Camera Monitor (Pelco PMC9A).....	558.18	14.47
28 21 31 00-0624	EA		15", High Resolution Color, Camera Monitor (Pelco PMCS15A).....	453.34	14.47
28 21 31 00-0625	EA		17", High Resolution Color, Camera Monitor (Pelco PMCS17A).....	657.28	14.47
28 21 31 00-0626	EA		19", High Resolution Color, Camera Monitor (Pelco PMCS19A).....	872.71	14.47
<b>28 21 31 00-0627</b>			<b>LCD Camera Monitors</b> <small>(28 21 31 00-0615)</small>		
<b>28 21 31 00-0628</b>			<b>VGA Signal, Color LCD Camera Monitors (Pelco 200 Series)</b> <small>(28 21 31 00-0627)</small> Note: Displays VGA computer signals.		
28 21 31 00-0629	EA		17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217).....	630.71	14.47
28 21 31 00-0630	EA		19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219).....	820.29	14.47
<b>28 21 31 00-0631</b>			<b>Multimode, Color LCD Camera Monitors (Pelco 300 Series)</b> <small>(28 21 31 00-0627)</small> Note: Displays VGA computer signals and/or composite video signals.		
28 21 31 00-0632	EA		15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315).....	716.88	14.47
28 21 31 00-0633	EA		17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317).....	857.63	14.47
28 21 31 00-0634	EA		19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319).....	1,054.39	14.47
<b>28 21 31 00-0635</b>			<b>Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series)</b> <small>(28 21 31 00-0627)</small> Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 31 00-0636	EA		15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415).....	919.38	14.47
28 21 31 00-0637	EA		17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417).....	1,065.88	14.47
28 21 31 00-0638	EA		19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419).....	1,336.60	14.47
<b>28 21 31 00-0639</b>			<b>Camera Monitor Mounting Accessories</b> <small>(28 21 31 00-0615)</small>		
<b>28 21 31 00-0640</b>			<b>Camera Monitor Mounts</b> <small>(28 21 31 00-0639)</small>		
28 21 31 00-0641	EA		Up To 14", Camera Monitor Mount (Pelco).....	218.11	19.29
28 21 31 00-0642	EA		>14" To 17", Camera Monitor Mount (Pelco).....	253.30	19.29
28 21 31 00-0643	EA		>17" To 21", Camera Monitor Mount (Pelco).....	296.39	19.29
<b>28 21 31 00-0644</b>			<b>Camera Monitor Rack Mount Kits</b> <small>(28 21 31 00-0639)</small>		
28 21 31 00-0645	EA		Camera Monitor Rack Mount Kit (Pelco PMCL-RM).....	134.10	19.29
<b>28 21 31 00-0646</b>			<b>Video Transmission Equipment</b> <small>(28 21 31 00-0028)</small>		
<b>28 21 31 00-0647</b>			<b>UTP Cable, Video Transmission Equipment</b> <small>(28 21 31 00-0646)</small>		
<b>28 21 31 00-0648</b>			<b>UTP Cable, Active Video Receivers</b> <small>(28 21 31 00-0647)</small>		
28 21 31 00-0649	EA		Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR).....	274.43	24.12
28 21 31 00-0650	EA		Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR).....	930.06	24.12
28 21 31 00-0651	EA		Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US).....	1,824.09	24.12
28 21 31 00-0652	EA		Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US).....	2,992.44	24.12
28 21 31 00-0653	EA		Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US).....	3,492.96	24.12
<b>28 21 31 00-0654</b>			<b>UTP Cable, Passive Video Transceivers</b> <small>(28 21 31 00-0647)</small>		
28 21 31 00-0655	EA		Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P).....	84.85	24.12
28 21 31 00-0656	EA		Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P).....	274.43	24.12

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
28 21 31 00-0657	EA	Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P).....	501.35	24.12
28 21 31 00-0658	EA	Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P).....	948.01	24.12
28 21 31 00-0659	EA	Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P).....	1,848.51	24.12
<b>28 21 31 00-0660</b>		<b>UTP Cable, Active Video Transmitters (28 21 31 00-0647)</b>		
28 21 31 00-0661	EA	Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT).....	286.64	24.12
<b>28 21 31 00-0662</b>		<b>Fiber Optics, Video Transmission Equipment (28 21 31 00-0646)</b>		
<b>28 21 31 00-0663</b>		<b>Data Only, Fiber Optics Transmission Equipment (28 21 31 00-0662)</b>		
<b>28 21 31 00-0664</b>		<b>Bidirectional Data, Fiber Optics Transmitters (28 21 31 00-0663)</b>		
28 21 31 00-0665	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS).....	1,638.94	48.23
28 21 31 00-0666	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM).....	678.12	48.23
28 21 31 00-0667	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S).....	1,201.62	48.23
28 21 31 00-0668	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M).....	833.23	48.23
<b>28 21 31 00-0669</b>		<b>Bidirectional Data, Fiber Optics Receivers (28 21 31 00-0663)</b>		
28 21 31 00-0670	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS).....	1,638.94	48.23
28 21 31 00-0671	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM).....	678.12	48.23
28 21 31 00-0672	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S).....	1,201.62	48.23
28 21 31 00-0673	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M).....	833.23	48.23
<b>28 21 31 00-0674</b>		<b>Video Only, Fiber Optics Transmission Equipment (28 21 31 00-0662)</b>		
<b>28 21 31 00-0675</b>		<b>Digitally Encoded Video, Fiber Optics Transmitters (28 21 31 00-0674)</b>		
28 21 31 00-0676	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS).....	735.57	48.23
28 21 31 00-0677	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM).....	329.12	48.23
28 21 31 00-0678	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S).....	2,013.07	48.23
28 21 31 00-0679	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M).....	1,215.98	48.23
28 21 31 00-0680	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S).....	3,288.41	48.23
28 21 31 00-0681	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M).....	2,736.91	48.23
28 21 31 00-0682	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S).....	8,142.77	48.23
28 21 31 00-0683	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M).....	7,248.74	48.23
<b>28 21 31 00-0684</b>		<b>Digitally Encoded Video, Fiber Optics Receivers (28 21 31 00-0674)</b>		
28 21 31 00-0685	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS).....	735.57	48.23
28 21 31 00-0686	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM).....	329.12	48.23
28 21 31 00-0687	EA	Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS).....	1,245.42	48.23
28 21 31 00-0688	EA	Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM).....	513.68	48.23
28 21 31 00-0689	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S).....	2,013.07	48.23
28 21 31 00-0690	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M).....	1,215.98	48.23
28 21 31 00-0691	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S).....	3,288.41	48.23
28 21 31 00-0692	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M).....	2,736.91	48.23
28 21 31 00-0693	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S).....	8,142.77	48.23
28 21 31 00-0694	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M).....	7,248.74	48.23
<b>28 21 31 00-0695</b>		<b>Video And Data, Fiber Optics Transmission Equipment (28 21 31 00-0662)</b>		
<b>28 21 31 00-0696</b>		<b>Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters (28 21 31 00-0695)</b>		
28 21 31 00-0697	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS).....	1,257.63	48.23
28 21 31 00-0698	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM).....	755.68	48.23
28 21 31 00-0699	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S).....	2,908.54	48.23
28 21 31 00-0700	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M).....	2,520.05	48.23
28 21 31 00-0701	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S).....	4,698.76	48.23
28 21 31 00-0702	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M).....	3,410.49	48.23
<b>28 21 31 00-0703</b>		<b>Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers (28 21 31 00-0695)</b>		
28 21 31 00-0704	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS).....	1,257.63	48.23
28 21 31 00-0705	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM).....	755.68	48.23
28 21 31 00-0706	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S).....	2,908.54	48.23
28 21 31 00-0707	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M).....	2,520.05	48.23
28 21 31 00-0708	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S).....	4,698.76	48.23
28 21 31 00-0709	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M).....	3,410.49	48.23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0710			Video, Audio And Data, Fiber Optics Transmission Equipment (28 21 31 00-0662)		
28 21 31 00-0711			Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters (28 21 31 00-0710)		
28 21 31 00-0712	EA		Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S).....	1,615.96	48.23
28 21 31 00-0713	EA		Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M).....	1,288.51	48.23
28 21 31 00-0714			Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers (28 21 31 00-0710)		
28 21 31 00-0715	EA		Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S).....	1,615.96	48.23
28 21 31 00-0716	EA		Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M).....	1,288.51	48.23
28 21 31 00-0717			Video Amplifiers (28 21 31 00-0646)		
28 21 31 00-0718			Video Distribution Amplifiers (28 21 31 00-0717)		
28 21 31 00-0719	EA		1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT).....	201.49	12.06
28 21 31 00-0720	EA		16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA)..... Note: Inserts time-date and title on up to 16 video inputs.	1,611.84	12.06
28 21 31 00-0721			Video Equalizing Amplifiers (28 21 31 00-0717)		
28 21 31 00-0722	EA		Video Equalizing Amplifier (Pelco EA2010).....	218.73	12.06
28 21 31 00-0723	EA		Half-Duplex, Video Equalizing Amplifier (Pelco EA2000).....	341.52	12.06
28 21 31 00-0724			Network Video Equipment (28 21 31 00-0028)		
28 21 31 00-0725			Video Encoders/Decoders (28 21 31 00-0724)		
28 21 31 00-0726	EA		MPEG4 IP Video Receiver (Pelco NET300R).....	811.69	24.12
28 21 31 00-0727	EA		MPEG4 IP Video Transmitter (Pelco NET300T).....	811.69	24.12
28 21 31 00-0728	EA		MPEG4 IP Video Receiver With Audio (Pelco NET350R).....	932.33	24.12
28 21 31 00-0729	EA		MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T).....	932.33	24.12
28 21 31 00-0730			Network Video Recorders (28 21 31 00-0724)		
28 21 31 00-0731	EA		16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316).....	5,070.02	48.23
28 21 31 00-0732	EA		32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332).....	5,897.99	48.23
28 21 31 00-0733	EA		64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364).....	7,555.36	48.23
28 21 31 00-0734	EA		64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300).....	5,007.55	48.23
28 21 31 00-0735			Network Video Recorder Software (28 21 31 00-0724)		
28 21 31 00-0736	EA		10 User, License Pack (Pelco VMX300-LIC-10).....	499.80	
28 21 31 00-0737	EA		20 User, License Pack (Pelco VMX300-LIC-20).....	901.22	
28 21 31 00-0738	EA		50 User, License Pack (Pelco VMX300-LIC-50).....	2,001.34	
28 21 31 00-0739	EA		100 User, License Pack (Pelco VMX300-LIC-100).....	3,500.74	
28 21 31 00-0740	EA		10 User, Enterprise License Pack (Pelco VMX300-E-LIC10).....	834.43	
28 21 31 00-0741	EA		20 User, Enterprise License Pack (Pelco VMX300-E-LIC20).....	1,500.83	
28 21 31 00-0742	EA		50 User, Enterprise License Pack (Pelco VMX300-E-LIC50).....	3,335.57	
28 21 31 00-0743	EA		100 User, Enterprise License Pack (Pelco VMX300-E-LIC100).....	5,836.00	
28 21 31 00-0744	EA		200 User, Enterprise License Pack (Pelco VMX300-E-LIC200).....	10,003.85	
28 21 31 00-0745	EA		500 User, Enterprise License Pack (Pelco VMX300-E-LIC500).....	20,840.70	
28 21 31 00-0746	EA		0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0).....	4,513.74	
28 21 31 00-0747	EA		1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1).....	4,791.65	
28 21 31 00-0748	EA		4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4).....	7,571.41	
28 21 31 00-0749	EA		0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0).....	5,014.26	
28 21 31 00-0750	EA		1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1).....	5,292.16	
28 21 31 00-0751	EA		4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4).....	8,070.49	
28 21 31 00-0752	EA		0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0).....	4,847.66	
28 21 31 00-0753	EA		1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1).....	5,126.28	
28 21 31 00-0754	EA		4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4).....	7,905.33	
28 21 31 00-0755	EA		0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0).....	5,680.65	
28 21 31 00-0756	EA		1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1).....	5,958.56	
28 21 31 00-0757	EA		4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4).....	8,738.32	
28 21 31 00-0758			Video Recording Equipment (28 21 31 00-0028)		

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 21 31 00-0759		<b>Digital Video Recorders</b> (28 21 31 00-0758)			
28 21 31 00-0760	EA	8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A).....	7,931.65		48.23
28 21 31 00-0761	EA	8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A).....	10,871.55		48.23
28 21 31 00-0762	EA	8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A).....	13,812.17		48.23
28 21 31 00-0763	EA	16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A).....	9,546.66		48.23
28 21 31 00-0764	EA	16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A).....	12,486.56		48.23
28 21 31 00-0765	EA	16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A).....	15,427.18		48.23
28 21 31 00-0766	EA	24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A).....	10,434.95		48.23
28 21 31 00-0767	EA	24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A).....	13,374.85		48.23
28 21 31 00-0768	EA	24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A).....	16,315.47		48.23
28 21 31 00-0769	EA	32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A).....	12,049.95		48.23
28 21 31 00-0770	EA	32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A).....	14,989.85		48.23
28 21 31 00-0771	EA	32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A).....	17,930.47		48.23
28 21 31 00-0772	EA	16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500).....	8,754.09		48.23
28 21 31 00-0773		<b>Digital Video Recorder Accessories</b> (28 21 31 00-0758)			
28 21 31 00-0774	EA	16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16).....	785.84		24.12
28 21 31 00-0775		<b>Matrix Systems And Controls</b> (28 21 31 00-0028)			
28 21 31 00-0776		<b>Video Multiplexers</b> (28 21 31 00-0775)			
28 21 31 00-0777		<b>Monochrome Duplex, Video Multiplexers</b> (28 21 31 00-0776)			
28 21 31 00-0778	EA	9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD).....	1,470.90		48.23
28 21 31 00-0779	EA	16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD).....	1,391.19		48.23
28 21 31 00-0780		<b>Color Duplex, Video Multiplexers</b> (28 21 31 00-0776)			
28 21 31 00-0781	EA	4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD).....	999.11		48.23
28 21 31 00-0782	EA	9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD).....	1,890.27		48.23
28 21 31 00-0783	EA	16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD).....	2,047.54		48.23
28 21 31 00-0784		<b>Color Simplex, Video Multiplexers</b> (28 21 31 00-0776)			
28 21 31 00-0785	EA	9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS).....	1,591.54		48.23
28 21 31 00-0786	EA	16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS).....	1,855.80		48.23
28 21 31 00-0787		<b>Video Multiplexer Accessories</b> (28 21 31 00-0776)			
28 21 31 00-0788	EA	Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000).....	890.06		32.94
28 21 31 00-0789	EA	Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002).....	532.45		32.94
28 21 31 00-0790	EA	Video Multiplexer Server (Pelco MX4000SVR).....	1,470.90		48.23
28 21 31 00-0791		<b>Quad Video Processor</b> (28 21 31 00-0775)			
28 21 31 00-0792	EA	Monochrome, Quad Video Processor (Pelco QD104M).....	458.27		24.12
28 21 31 00-0793	EA	Color, Quad Video Processor (Pelco QD104C).....	745.51		24.12
28 21 31 00-0794		<b>Switcher</b> (28 21 31 00-0775)			
28 21 31 00-0795		<b>Terminating Manual Switchers</b> (28 21 31 00-0794)			
28 21 31 00-0796		<b>Terminating Manual Switchers</b> (28 21 31 00-0795)			
28 21 31 00-0797	EA	4 Inputs, Terminating Manual Switcher (Pelco MS504DT).....	162.82		19.29
28 21 31 00-0798	EA	8 Inputs, Terminating Manual Switcher (Pelco MS508DT).....	218.83		19.29
28 21 31 00-0799	EA	12 Inputs, Terminating Manual Switcher (Pelco MS512DT).....	264.79		19.29
28 21 31 00-0800	EA	18 Inputs, Terminating Manual Switcher (Pelco MS518DT).....	429.24		19.29
28 21 31 00-0801		<b>Audio Follow, Terminating Manual Switchers</b> (28 21 31 00-0795)			
28 21 31 00-0802	EA	4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF).....	208.78		19.29
28 21 31 00-0803	EA	8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF).....	363.17		19.29
28 21 31 00-0804	EA	18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF).....	629.59		19.29
28 21 31 00-0805		<b>Balanced Audio Follow, Terminating Manual Switchers</b> (28 21 31 00-0795)			
28 21 31 00-0806	EA	4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF).....	277.00		19.29
28 21 31 00-0807	EA	8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF).....	502.48		19.29
28 21 31 00-0808		<b>Looping Manual Switchers</b> (28 21 31 00-0794)			
28 21 31 00-0809		<b>Looping Manual Switchers</b> (28 21 31 00-0808)			
28 21 31 00-0810	EA	4 Inputs, Looping Manual Switcher (Pelco MS504LDT).....	181.49		19.29
28 21 31 00-0811	EA	8 Inputs, Looping Manual Switcher (Pelco MS508LDT).....	246.84		19.29
28 21 31 00-0812	EA	12 Inputs, Looping Manual Switcher (Pelco MS512LDT).....	312.90		19.29
28 21 31 00-0813	EA	18 Inputs, Looping Manual Switcher (Pelco MS518LDT).....	511.82		19.29
28 21 31 00-0814		<b>Audio Follow, Looping Manual Switchers</b> (28 21 31 00-0808)			
28 21 31 00-0815	EA	4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL).....	224.58		19.29

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0816	EA		8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL) .....	387.59	19.29
28 21 31 00-0817	EA		12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL) .....	529.77	19.29
<b>28 21 31 00-0818</b>			<b>Balanced Audio Follow, Looping Manual Switchers</b> <small>(28 21 31 00-0808)</small>		
28 21 31 00-0819	EA		4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL) .....	296.39	19.29
28 21 31 00-0820	EA		8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL) .....	531.92	19.29
28 21 31 00-0821	EA		12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL) .....	667.65	19.29
<b>28 21 31 00-0822</b>			<b>Sequential Switchers</b> <small>(28 21 31 00-0794)</small>		
<b>28 21 31 00-0823</b>			<b>Single Output, Sequential Switchers</b> <small>(28 21 31 00-0822)</small>		
28 21 31 00-0824	EA		4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104) .....	313.62	19.29
28 21 31 00-0825	EA		8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108) .....	464.42	19.29
<b>28 21 31 00-0826</b>			<b>Dual Outputs, Sequential Switchers</b> <small>(28 21 31 00-0822)</small>		
28 21 31 00-0827	EA		4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204) .....	390.46	19.29
28 21 31 00-0828	EA		8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208) .....	538.39	19.29
<b>28 21 31 00-0829</b>			<b>Controls</b> <small>(28 21 31 00-0775)</small>		
<b>28 21 31 00-0830</b>			<b>Direct/Multi-Cable Controls</b> <small>(28 21 31 00-0829)</small>		
28 21 31 00-0831	EA		Scanner Control Module (Pelco MPS524DT) .....	280.29	48.23
28 21 31 00-0832	EA		120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT) .....	298.25	48.23
28 21 31 00-0833	EA		24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT) .....	329.12	48.23
28 21 31 00-0834	EA		Motorized Zoom Lens Control Module (Pelco MLZ6DT) .....	343.49	48.23
28 21 31 00-0835	EA		120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT) .....	533.06	48.23
28 21 31 00-0836	EA		24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT) .....	585.49	48.23
<b>28 21 31 00-0837</b>			<b>Coaxitron Controls</b> <small>(28 21 31 00-0829)</small>		
28 21 31 00-0838	EA		Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000) .....	398.88	32.94
28 21 31 00-0839	EA		8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000) .....	737.11	32.94
28 21 31 00-0840	EA		Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008) .....	834.05	32.94
<b>28 21 31 00-0841</b>			<b>Digital Controls</b> <small>(28 21 31 00-0829)</small>		
28 21 31 00-0842	EA		Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A) .....	528.86	32.94
28 21 31 00-0843	EA		Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A) .....	882.88	32.94
<b>28 21 31 00-0844</b>			<b>Lock Boxes</b> <small>(28 21 31 00-0775)</small>		
28 21 31 00-0845	EA		VCR Lock Box (Pelco LB1000) .....	322.96	36.17
			<i>For Wall Mount, Add</i> .....	165.00	
28 21 31 00-0846	EA		Computer Disk Drive Lock Box (Pelco LB2000) .....	330.14	36.17
28 21 31 00-0847	EA		VCR And Multiplexer Lock Box (Pelco LB3000) .....	595.83	36.17
			Note: Includes storage for 32 VCR tapes.		
<b>28 21 31 00-0848</b>			<b>Test And Certification Of Surveillance Camera System</b> <small>(28 21 31)</small>		
28 21 31 00-0849	DAY		Test And Certification Of Surveillance Camera System To Tie Into Existing Systems .....	763.94	
28 21 31 00-0850	HR		Test And Certification Of Surveillance Camera System .....	238.73	
<b>28 21 31 00-0851</b>			<b>Programming Of Surveillance Camera System</b> <small>(28 21 31)</small>		
28 21 31 00-0852	HR		Programming Of Surveillance Camera System .....	286.48	
<b>28 21 31 00-0853</b>			<b>Removal And Reinstallation Of Cameras</b> <small>(28 21 31)</small>		
			Note: Includes storage, cleaning and supply materials.		
28 21 31 00-0854	EA		Removal And Reinstallation Of Camera System .....	434.07	

**28 40 Life Safety** (28)

Note: Includes testing of new devices and certification.

**28 42 Gas Detection and Alarm** (28 40)

**28 42 11 Gas Detection and Alarm Control, GUI, and Logic Systems** (28 42)

**28 42 11 00-0001 Monitoring System For Underground Tanks** (28 42 11)

**28 42 11 00-0002 Continuous Leak Detection System** (28 42 11 00-0001)

Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.

28 42 11 00-0003	EA		Single Channel Underground Tank Monitoring System .....	4,698.64	394.67
28 42 11 00-0004	EA		2 Channel Underground Tank Monitoring System .....	6,335.13	526.55
28 42 11 00-0005	EA		3 Channel Underground Tank Monitoring System .....	8,835.35	564.09
28 42 11 00-0006	EA		4 Channel Underground Tank Monitoring System .....	9,608.10	789.34

**28 Electronic Safety and Security****28 40 Life Safety****28 42 Gas Detection and Alarm**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

28 42 11 00-0007	EA	Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System	6,405.72	67.39
28 42 11 00-0008	EA	Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	5,776.23	60.17
28 42 11 00-0009	EA	Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	7,587.25	67.39
28 42 11 00-0010	EA	Tank Leak Detection Probe	2,344.05	14.44
28 42 11 00-0011	EA	Secondary Containment Collar Probe	288.99	5.78
28 42 11 00-0012	EA	Interstitial Leak Detection Probe	530.73	12.03
28 42 11 00-0013	EA	Liquid Phase Detection	1,748.91	36.10
28 42 11 00-0014	EA	Hydrocarbon Vapor, Fixed	1,616.29	36.10
28 42 11 00-0015	EA	Hydrocarbon Vapor, Float Mounted	1,886.09	40.91
28 42 11 00-0016	EA	Liquid And Vapor Hydrocarbon	2,151.33	40.91

**28 42 15 Gas Detection Sensors (28 42)****28 42 15 00-0001 Hydrogen Gas Detection (28 42 15)**

28 42 15 00-0002	EA	Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	1,397.92	36.17
28 42 15 00-0003	EA	Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	75.96	36.17
28 42 15 00-0004	EA	Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	361.15	36.17

**28 43 Fuel Oil Detection and Alarm (28 40)**

See CSI section 28 42 00 00-0000 for detection and alarms.

**28 46 Fire Detection and Alarm (28 40)****28 46 11 Fire Sensors and Detectors (28 46)****28 46 11 11 Linear Heat Detection Sensors (28 46 11)****28 46 11 11-0001 Protectowire Fire Alarm (28 46 11 11)****28 46 11 11-0002 Linear Heat Detector Cable (28 46 11 11-0001)**

28 46 11 11-0003	LF	Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC)	4.11	
28 46 11 11-0004	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M)	4.45	
28 46 11 11-0005	LF	High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR)	4.45	
28 46 11 11-0006	LF	High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M)	4.78	
28 46 11 11-0007	LF	Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT)	5.32	
28 46 11 11-0008	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M)	5.65	
28 46 11 11-0009	EA	Flexible Lead Connector For Linear Heat Detector (Protectowire PFL)	53.78	
28 46 11 11-0010	EA	Splicing Connector For Linear Heat Detector (Protectowire PWSC)	20.62	
28 46 11 11-0011	EA	Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W)	7.15	
28 46 11 11-0012	EA	Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2)	7.15	
28 46 11 11-0013	EA	Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO)	8.05	
28 46 11 11-0014	EA	Beam Clamp For Linear Heat Detector (Protectowire BC-2)	12.53	
28 46 11 11-0015	EA	Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P)	12.98	
28 46 11 11-0016	EA	Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A)	1.15	
28 46 11 11-0017	EA	Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B)	1.56	
28 46 11 11-0018	EA	Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C)	6.83	

**28 46 20 Fire Alarm (28 46)****28 46 21 17 Proprietary Systems (28 46 20)**

Note: Includes programming of equipment, testing and certification of new devices.

**28 46 21 17-0001 Edwards Fire Alarm (28 46 21 17)****28 46 21 17-0002 EST3 Life Safety And Security Control (28 46 21 17-0001)****28 46 21 17-0003 EST3 Network (28 46 21 17-0002)****28 46 21 17-0004 Remote Annunciators (28 46 21 17-0003)**

28 46 21 17-0005	EA	Remote LCD Command Module Annunciator (EST3 3-LCDANN) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,138.32	72.34
28 46 21 17-0006	EA	Six Position Base Annunciator (EST3 3-6ANN) Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	930.46	72.34
28 46 21 17-0007	EA	Ten Position Base Annunciator (EST3 3-10ANN) Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	1,172.83	72.34
28 46 21 17-0008	EA	Annunciator CPU (EST3 3-ANNCPU3) Note: One Required per graphic annunciator.	753.03	72.34
28 46 21 17-0009	EA	Annunciator Support Module (EST3 3-ANNSM) Note: Takes one space in Annunciator box. Supports one Control/Display module.	140.80	24.12
28 46 21 17-0010	EA	Liquid Crystal Display Module (EST3 3-LCD) Note: Mounts over 3-CPU(1).	489.52	72.34
28 46 21 17-0011	EA	Liquid Crystal Display Module (EST3 3-LCDXL) Note: Mounts over 3-ANNCPU plus two spaces.	658.02	72.34
28 46 21 17-0012	EA	LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA) Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.	550.28	72.34
28 46 21 17-0013	EA	Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA) Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.	633.85	48.23
28 46 21 17-0014	EA	Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX) Note: Mounts up to three 3-EVDVRA modules.	99.54	24.12



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0015	EA		Central Processor Unit Module (EST3 3-CPU3).....	1,345.29	72.34
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.					
28 46 21 17-0016	EA		120 Volt AC, 50/60 Hertz, Primary Power Supply With Local Rail Module (EST3 3-CPU3).....	1,180.04	24.12
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.					
<b>28 46 21 17-0017</b>			<b>Remote Annunciators Cabinets</b> (28 46 21 17-0003)		
28 46 21 17-0018	EA		Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B).....	106.92	24.12
28 46 21 17-0019	EA		Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S).....	97.28	19.29
28 46 21 17-0020	EA		Six Position LED/LCD Flush Wallbox (EST3 6ANN/B).....	119.94	24.12
28 46 21 17-0021	EA		Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S).....	110.30	19.29
28 46 21 17-0022	EA		Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B).....	132.16	24.12
28 46 21 17-0023	EA		Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S).....	122.52	19.29
<b>28 46 21 17-0024</b>			<b>Audio And Telephone Masters</b> (28 46 21 17-0003)		
28 46 21 17-0025	EA		Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT).....	3,680.70	96.46
28 46 21 17-0026	EA		Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4).....	2,058.52	96.46
28 46 21 17-0027	EA		Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU).....	1,877.25	96.46
28 46 21 17-0028	EA		Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU).....	1,946.99	96.46
28 46 21 17-0029	EA		Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100).....	2,220.69	96.46
28 46 21 17-0030	EA		Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95).....	1,868.57	48.23
<b>28 46 21 17-0031</b>			<b>Battery Distribution Unit</b> (28 46 21 17-0003)		
28 46 21 17-0032	EA		Battery Distribution Unit (EST3 3-BTSEN).....	424.10	327.64
<b>28 46 21 17-0033</b>			<b>Remote Booster Power Supply</b> (28 46 21 17-0003)		
28 46 21 17-0034	EA		6.5 Amperes, 120 Volt AC, Booster Power Supply (EST3 BPS6A).....	651.69	72.34
28 46 21 17-0035	EA		10 Amperes, 110 Volt AC Booster Power Supply (EST3 BPS10).....	741.90	72.34
28 46 21 17-0036	EA		10 Amperes, 220 Volt AC Booster Power Supply (EST3 BPS10220).....	808.37	72.34
28 46 21 17-0037	EA		Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP).....	109.10	24.12
<b>28 46 21 17-0038</b>			<b>Batteries And Battery Cabinets</b> (28 46 21 17-0003)		
28 46 21 17-0039	EA		1.2 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V1A2 (1.2 Ampere Hours)).....	84.33	24.12
28 46 21 17-0040	EA		4 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V4A (4.5 Ampere Hours)).....	103.93	24.12
28 46 21 17-0041	EA		24 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V24A (26 Ampere Hours)).....	239.13	24.12
28 46 21 17-0042	EA		6.5 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V6A5 (7.2 Ampere Hours)).....	111.77	24.12
28 46 21 17-0043	EA		40 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V40A (40 Ampere Hours)).....	301.90	24.12
28 46 21 17-0044	EA		10 Amperes Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V10A (11 Ampere Hours)).....	171.97	24.12
28 46 21 17-0045	EA		50 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V50A (50 Ampere Hours)).....	607.70	24.12
28 46 21 17-0046	EA		17 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V17A (18 Ampere Hours)).....	176.01	24.12
28 46 21 17-0047	EA		65 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V65A (65 Amp Hours)).....	730.66	24.12
28 46 21 17-0048	EA		8 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V8A (8 Amp Hours)).....	100.11	24.12
28 46 21 17-0049	EA		10 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V10A (12 Amp Hours)).....	90.32	24.12
28 46 21 17-0050	EA		14" x 18-1/4" x 7-1/4" Free Standing Battery Cabinet With Key Lock (EST3 BC-1).....	315.10	48.23
Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.					
28 46 21 17-0051	EA		22" x 15" x 3-3/4" Grey Battery Cabinet (EST3 BC-2).....	262.32	48.23
Note: Holds up to two 12V17A batteries.					
28 46 21 17-0052	EA		Remote Closet Enclosure (EST3 3-RCC7R).....	882.44	96.46
28 46 21 17-0053	EA		Remote Closet Enclosure (EST3 3-RCC14R).....	1,090.24	96.46
28 46 21 17-0054	EA		Remote Closet Enclosure (EST3 3-RCC21R).....	1,521.14	96.46
<b>28 46 21 17-0055</b>			<b>Serial Printer</b> (28 46 21 17-0003)		
28 46 21 17-0056	EA		System Printer - Desk Top Style (EST3 PT-1S).....	977.12	24.12
<b>28 46 21 17-0057</b>			<b>Intelligent Analog Initiating Devices</b> (28 46 21 17-0002)		
<b>28 46 21 17-0058</b>			<b>Detectors, Signature</b> (28 46 21 17-0057)		
28 46 21 17-0059	EA		Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHS).....	190.54	36.17
28 46 21 17-0060	EA		Black, Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHSB).....	213.36	36.17
28 46 21 17-0061	EA		Intelligent 3D Multisensor Detector For Photoelectric And Heat (EST3 SIGA-PHS).....	183.75	36.17
28 46 21 17-0062	EA		Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS).....	163.36	36.17
28 46 21 17-0063	EA		Intelligent Ionization Smoke Detector (EST3 SIGA-IS).....	170.15	36.17
28 46 21 17-0064	EA		135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA-HRS).....	140.62	36.17
28 46 21 17-0065	EA		135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA-HFS).....	140.62	36.17
28 46 21 17-0066	EA		Passive Infrared Motion Detector (EST3 SIGA-MD).....	219.43	36.17
28 46 21 17-0067	EA		Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS).....	204.97	36.17
28 46 21 17-0068	EA		Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS).....	241.69	36.17
28 46 21 17-0069	EA		Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS).....	293.44	36.17
28 46 21 17-0070	EA		135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA2-HFS).....	171.96	36.17
28 46 21 17-0071	EA		135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA2-HRS).....	171.96	36.17
28 46 21 17-0072	EA		Photoelectric, Heat, Intelligent 3D Multisensor Detector (EST3 SIGA2-PHS).....	234.70	36.17
<b>28 46 21 17-0073</b>			<b>Detectors, Duct Housings and Accessories, Signature</b> (28 46 21 17-0057)		
28 46 21 17-0074	EA		Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD).....	383.19	60.29

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0075	EA		Superduct, Test Magnet Kit (EST3 SD-MAG).....	17.43	
28 46 21 17-0076	EA		Superduct, 120" Air Sample Tube (EST3 SD-T120).....	51.56	14.47
28 46 21 17-0077	EA		Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK).....	100.73	19.29
28 46 21 17-0078	EA		Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS).....	135.22	19.29
28 46 21 17-0079	EA		High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL).....	61.39	19.29
<b>28 46 21 17-0080</b>			<b>Detectors, Smoke, Beam</b> (28 46 21 17-0057)		
28 46 21 17-0081	EA		Fireray 2000 Beam Alignment Aid, For Quick Alignment Of Beam Detector Transmitter And Receiver Heads (EST3 0201-01-A).....	131.09	
28 46 21 17-0082	EA		Fireray 2000 Beam Smoke Detector (By Fire Fighting Enterprises) (EST3 22310-18-01).....	1,539.78	36.17
			Note: Includes controller and remote mount transmitter and receiver head.		
28 46 21 17-0083	EA		Fireray 2000 Beam Detector Prism, Use To Reflect Beam When Mounting Transmitter And Receiver Heads On Same Wall (EST3 23901-00).....	94.14	12.06
28 46 21 17-0084	EA		Reflector, For EC-50R/-100R Reflective Beam Detectors (EST3 23901-01).....	111.59	12.06
28 46 21 17-0085	EA		160 - 330' Reflective Beam Detector (EST3 EC-100R).....	1,588.13	36.17
28 46 21 17-0086	EA		15 - 160' Reflective Beam Detector (EST3 EC-50R).....	1,354.93	36.17
28 46 21 17-0087	EA		Remote Test Station, For EC-50R/-100R Reflective Beam Detectors (EST3 EC-LLT).....	315.69	12.06
28 46 21 17-0088	EA		160 - 330' Self Adjusting Reflective Beam Detector (EST3 EC-5000R).....	1,674.08	36.17
<b>28 46 21 17-0089</b>			<b>Modules, Signature</b> (28 46 21 17-0057)		
28 46 21 17-0090	EA		Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB).....	177.78	24.12
28 46 21 17-0091	EA		Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1).....	104.77	24.12
28 46 21 17-0092	EA		Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2).....	144.20	24.12
28 46 21 17-0093	EA		Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2).....	159.59	24.12
28 46 21 17-0094	EA		Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1).....	159.08	24.12
28 46 21 17-0095	EA		Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2).....	167.26	24.12
28 46 21 17-0096	EA		Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR).....	125.60	24.12
			Note: Select for either N.O. or N.C. operation. Rated at 2 amperes (24 Volt DC).		
28 46 21 17-0097	EA		Control Relay UIO (Plug In) Module (EST3 SIGA-MCR).....	139.25	24.12
28 46 21 17-0098	EA		Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S).....	184.68	24.12
28 46 21 17-0099	EA		Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO).....	180.12	24.12
28 46 21 17-0100	EA		Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO).....	173.33	24.12
28 46 21 17-0101	EA		Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM).....	159.23	135.12
28 46 21 17-0102	EA		Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1).....	117.58	24.12
			Note: Factory programmed for non-latching monitor operation.		
28 46 21 17-0103	EA		Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S).....	185.56	24.12
<b>28 46 21 17-0104</b>			<b>Module Accessories, Signature</b> (28 46 21 17-0057)		
			Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 and 2-gang modules.		
28 46 21 17-0105	EA		Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4).....	46.95	12.06
28 46 21 17-0106	EA		Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6).....	157.39	24.12
28 46 21 17-0107	EA		Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P).....	17.87	7.23
28 46 21 17-0108	EA		Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1).....	54.82	12.06
28 46 21 17-0109	EA		Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2).....	49.17	12.06
28 46 21 17-0110	EA		Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L).....	51.40	12.06
<b>28 46 21 17-0111</b>			<b>Single Action Pull Stations, Signature</b> (28 46 21 17-0057)		
28 46 21 17-0112	EA		One Stage Fire Alarm Station, English Markings (EST3 SIGA-270).....	198.82	50.16
28 46 21 17-0113	EA		Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P).....	232.91	50.16
28 46 21 17-0114	EA		GA Key - For Pre Signal Station (EST3 276-K2).....	26.96	22.13
28 46 21 17-0115	EA		20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR).....	33.53	28.70
28 46 21 17-0116	EA		Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB).....	53.31	34.01
<b>28 46 21 17-0117</b>			<b>Double Action Pull Stations, Signature</b> (28 46 21 17-0057)		
28 46 21 17-0118	EA		Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278).....	184.99	50.16
28 46 21 17-0119	EA		12 Glass Rods For SIGA-278 Series (EST3 276-GLR).....	34.02	4.82
<b>28 46 21 17-0120</b>			<b>Detector Bases and Accessories, Signature</b> (28 46 21 17-0057)		
			Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 46 21 17-0121	EA		Audible (Sounder) Base (EST3 SIGA-AB4G).....	97.39	12.06
28 46 21 17-0122	EA		Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB).....	37.83	12.06
28 46 21 17-0123	EA		Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4).....	121.04	12.06
28 46 21 17-0124	EA		Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG).....	69.67	12.06
28 46 21 17-0125	EA		Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB).....	81.03	12.06
28 46 21 17-0126	EA		Detector Mounting Plate (EST3 SIGA-DMP).....	126.48	12.06
			Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.		
28 46 21 17-0127	EA		Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED).....	46.95	12.06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0128	EA		Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS) .....	17.97	7.23
28 46 21 17-0129	EA		Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4) .....	17.97	7.23
28 46 21 17-0130	EA		Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF) .....	48.66	7.23
28 46 21 17-0131	EA		Detector Base With Isolator (EST3 SIGA-IB) .....	79.88	12.06
28 46 21 17-0132	EA		Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4) .....	84.75	12.06
28 46 21 17-0133	EA		Detector Base With Form 'C' Relay (EST3 SIGA-RB) .....	62.81	12.06
28 46 21 17-0134	EA		Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4) .....	71.38	12.06
28 46 21 17-0135	EA		Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4) .....	36.77	12.06
<b>28 46 21 17-0136</b>			<b>Controllers, Signature</b> (28 46 21 17-0057)		
28 46 21 17-0137	EA		Signature Dual Driver Controller (EST3 3-SDDC1) .....	2,642.67	72.34
28 46 21 17-0138	EA		Single Signature Loop Controller (EST3 3-SSDC1) .....	1,521.27	72.34
28 46 21 17-0139	EA		Signature Loop Controller (EST3 3-SDC1) .....	1,368.20	72.34
28 46 21 17-0140	EA		Analog Addressable Loop Controller (EST3 3-AADC1) .....	2,183.87	72.34
<b>28 46 21 17-0141</b>			<b>Relays And Accessories</b> (28 46 21 17-0057)		
28 46 21 17-0142	EA		Multi Voltage Relay (EST3 MR101) .....	144.52	24.12
28 46 21 17-0143	EA		Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T) .....	44.07	12.06
<b>28 46 21 17-0144</b>			<b>Notification Appliances</b> (28 46 21 17-0002)		
<b>28 46 21 17-0145</b>			<b>Wall Strobes, Horns And Chimes</b> (28 46 21 17-0144)		
28 46 21 17-0146	EA		Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM) .....	120.93	36.17
28 46 21 17-0147	EA		Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM) .....	120.93	36.17
28 46 21 17-0148	EA		Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM) .....	136.76	36.17
28 46 21 17-0149	EA		Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD) .....	103.10	36.17
28 46 21 17-0150	EA		Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD) .....	103.10	36.17
28 46 21 17-0151	EA		Temporal Horn, Hi/Lo dB Output, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-HD) .....	103.10	36.17
28 46 21 17-0152	EA		Temporal Horn, Hi/Lo dB Output, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD) .....	103.10	36.17
28 46 21 17-0153	EA		Horn (Steady Tone), 24 Volt DC, White, Not Compatible With Signal Master (EST3 G1-P) .....	88.12	36.17
28 46 21 17-0154	EA		Horn (Steady Tone) - 24 Volt DC, Red, Not Compatible With Signal Master (EST3 G1R-P) .....	88.12	36.17
28 46 21 17-0155	EA		Horn (Steady Tone), 24 Volt DC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P) .....	88.12	36.17
28 46 21 17-0156	EA		Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM) .....	201.35	36.17
28 46 21 17-0157	EA		Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM) .....	201.35	36.17
28 46 21 17-0158	EA		Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C) .....	134.83	36.17
28 46 21 17-0159	EA		Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C) .....	134.83	36.17
28 46 21 17-0160	EA		Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575) .....	120.93	36.17
28 46 21 17-0161	EA		Multi-cd Strobe, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-VM) .....	120.93	36.17
28 46 21 17-0162	EA		Multi-Candela Strobe, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM) .....	120.93	36.17
28 46 21 17-0163	EA		Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575) .....	120.93	36.17
28 46 21 17-0164	EA		Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM) .....	125.38	36.17
28 46 21 17-0165	EA		Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM) .....	125.38	36.17
28 46 21 17-0166	EA		Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH) .....	135.79	36.17
28 46 21 17-0167	EA		Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM) .....	125.38	36.17
28 46 21 17-0168	EA		Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH) .....	125.38	36.17
28 46 21 17-0169	EA		Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE) .....	78.38	36.17
28 46 21 17-0170	EA		Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE) .....	78.38	36.17
<b>28 46 21 17-0171</b>			<b>Wall Speakers And Speaker Strobes</b> (28 46 21 17-0144)		
28 46 21 17-0172	EA		Multi-Wattage 25 VRMS Speaker (EST3 G4-S2) .....	101.76	36.17
28 46 21 17-0173	EA		Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM) .....	151.95	36.17
28 46 21 17-0174	EA		Multi-Wattage 70 VRMS Speaker (EST3 G4-S7) .....	101.76	36.17
28 46 21 17-0175	EA		Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM) .....	151.95	36.17
28 46 21 17-0176	EA		Surface Box, White, For Genesis Speaker (EST3 G4B) .....	50.82	19.29
28 46 21 17-0177	EA		Surface Box, Red, For Genesis Speaker (EST3 G4RB) .....	50.82	19.29
<b>28 46 21 17-0178</b>			<b>Ceiling Speakers And Speaker Strobes</b> (28 46 21 17-0144)		
28 46 21 17-0179	EA		Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7) .....	119.96	36.17
28 46 21 17-0180	EA		Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM) .....	151.95	36.17
28 46 21 17-0181	EA		Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH) .....	162.08	36.17
<b>28 46 21 17-0182</b>			<b>Harsh Environment Signals</b> (28 46 21 17-0144)		
28 46 21 17-0183	EA		Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T) .....	107.50	36.17
28 46 21 17-0184	EA		15/75 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T) .....	147.45	36.17
28 46 21 17-0185	EA		110 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T) .....	147.45	36.17
28 46 21 17-0186	EA		15 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-5A-T) .....	135.58	36.17
28 46 21 17-0187	EA		15/75 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-7A-T) .....	127.68	36.17
28 46 21 17-0188	EA		30 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-3A-T) .....	135.58	36.17
28 46 21 17-0189	EA		60 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-6A-T) .....	135.58	36.17
28 46 21 17-0190	EA		110 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-8A-T) .....	135.58	36.17
28 46 21 17-0191	EA		15/75 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T) .....	150.13	41.00
28 46 21 17-0192	EA		110 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T) .....	150.13	41.00
28 46 21 17-0193	EA		15 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T) .....	112.36	36.17
28 46 21 17-0194	EA		30 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T) .....	143.73	36.17

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 46 21	17-0195	<b>Fire Alarm Bells</b> (28 46 21 17-0144)			
28 46 21	17-0196	EA 10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW) .....	158.54		36.17
28 46 21	17-0197	EA 6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW) .....	128.70		36.17
28 46 21	17-0198	EA 10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW) .....	141.43		36.17
28 46 21	17-0199	<b>Multiple Tone Signal</b> (28 46 21 17-0144)			
28 46 21	17-0200	EA 27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW) .....	967.63		931.46
28 46 21	17-0201	<b>Multi-Purpose Loudspeaker</b> (28 46 21 17-0144)			
28 46 21	17-0202	EA 15 Watt Loudspeaker, Gray (EST3 HPSA15G2570) .....	206.12		36.17
28 46 21	17-0203	EA 15 Watt Loudspeaker, Red (EST3 HPSA15R2570) .....	206.12		36.17
28 46 21	17-0204	<b>Bell/Strobe Plate</b> (28 46 21 17-0144)			
28 46 21	17-0205	EA Bell/Strobe Plate - 15cd (EST3 403-5A-R) .....	104.53		19.29
28 46 21	17-0206	<b>Mounting Accessories</b> (28 46 21 17-0144)			
28 46 21	17-0207	EA Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11) .....	51.75		19.29
28 46 21	17-0208	EA One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY) .....	51.75		19.29
28 46 21	17-0209	EA Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16) .....	51.75		19.29
28 46 21	17-0210	EA Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21) .....	51.75		19.29
28 46 21	17-0211	EA Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26) .....	51.75		19.29
28 46 21	17-0212	<b>Firefighters' Telephones</b> (28 46 21 17-0144)			
28 46 21	17-0213	EA Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4) .....	873.65		60.29
28 46 21	17-0214	EA Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4) .....	497.12		60.29
28 46 21	17-0215	EA Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F) .....	361.52		60.29
28 46 21	17-0216	EA Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1) .....	266.99		60.29
28 46 21	17-0217	EA Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4) .....	480.24		60.29
28 46 21	17-0218	EA Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A) .....	300.73		60.29
28 46 21	17-0219	EA Remote Telephone Handset Station - 4-State, Red, "Push To Talk" Button, 5' Coiled Cord (EST3 6830-5A-4) .....	540.00		60.29
28 46 21	17-0220	EA Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A) .....	311.97		60.29
28 46 21	17-0221	EA Remote Telephone Handset Station - 4-State, Red, "Push To Talk" Button, 5' Armored Cable (EST3 6830-6A-4) .....	616.52		60.29
28 46 21	17-0222	EA Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1) .....	70.14		19.29
28 46 21	17-0223	EA Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4) .....	79.93		19.29
28 46 21	17-0224	EA Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3) .....	107.03		
28 46 21	17-0225	EA Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061) .....	107.03		
28 46 21	17-0226	EA Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1) .....	165.70		24.12
28 46 21	17-0227	EA Frontplate - Flush Mount, Red Finish, Non Break Glass Type With Two Keys (EST3 6831-2) .....	204.67		24.12
28 46 21	17-0228	EA Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3) .....	146.22		24.12
28 46 21	17-0229	EA Frontplate - Surface Mount, Red Finish, Non Break Glass Type, With Two Keys (EST3 6831-4) .....	140.49		24.12
28 46 21	17-0230	EA Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1) .....	107.94		36.17
28 46 21	17-0231	EA Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6) .....	898.73		48.23
28 46 21	17-0232	<b>Mass Notification EC Appliances</b> (28 46 21 17-0144)			
28 46 21	17-0233	EA G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA) .....	125.41		36.17
28 46 21	17-0234	EA G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC) .....	121.37		36.17
28 46 21	17-0235	EA G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA) .....	125.41		36.17
28 46 21	17-0236	EA G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC) .....	121.37		36.17
28 46 21	17-0237	EA G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT) .....	19.31		7.23
28 46 21	17-0238	<b>Hazardous Location Devices</b> (28 46 21 17-0002)			
28 46 21	17-0239	<b>Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location</b> (28 46 21 17-0238)			
28 46 21	17-0240	EA Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135) .....	108.91		36.17
28 46 21	17-0241	EA Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194) .....	108.91		36.17
28 46 21	17-0242	EA Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135) .....	112.85		36.17
28 46 21	17-0243	EA Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194) .....	112.85		36.17
28 46 21	17-0244	EA Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135) .....	149.27		36.17
28 46 21	17-0245	EA Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194) .....	149.27		36.17
28 46 21	17-0246	EA Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135) .....	112.85		36.17
28 46 21	17-0247	EA Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194) .....	112.85		36.17
28 46 21	17-0248	<b>Hazardous Locations Fire Alarm Station</b> (28 46 21 17-0238)			
28 46 21	17-0249	EA Hazardous Location Fire Alarm Station (EST3 XAL53) .....	924.70		60.29
28 46 21	17-0250	EA Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DDPDT (EST3 MPSR1-D45WX-GE) .....	881.01		60.29

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0251			<b>Hazardous Location Strobes</b> (28 46 21 17-0238)		
28 46 21 17-0252	EA		Explosion Proof Strobe (EST3 116DEXSTC-FJ) .....	1,361.56	36.17
28 46 21 17-0253	EA		Wall Bracket Mounting Elbow (EST3 116EX-B) .....	255.40	12.06
28 46 21 17-0254	EA		Ceiling / Wall Mounting Module (EST3 116EX-C) .....	333.81	14.47
28 46 21 17-0255	EA		Pendant Mounting Module (EST3 116EX-P) .....	245.88	14.47
28 46 21 17-0256			<b>Hazardous Location Bells</b> (28 46 21 17-0238)		
28 46 21 17-0257	EA		6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW) .....	984.95	36.17
28 46 21 17-0258	EA		8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW) .....	1,010.24	36.17
28 46 21 17-0259	EA		10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW) .....	1,019.35	36.17
28 46 21 17-0260			<b>Hazardous Location Horns</b> (28 46 21 17-0238)		
28 46 21 17-0261	EA		Hazardous Location Horns (EST3 888D-N5) .....	963.15	36.17
28 46 21 17-0262	EA		Explosion Proof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW) .....	788.14	36.17
28 46 21 17-0263			<b>Door Holders And Relays</b> (28 46 21 17-0002)		
28 46 21 17-0264			<b>Electromagnetic Door Holders</b> (28 46 21 17-0263)		
28 46 21 17-0265	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Single, Floor Mount (EST3 1501-AQN5) .....	179.38	36.17
28 46 21 17-0266	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Double, Floor Mount (EST3 1502-AQN5) .....	230.14	36.17
28 46 21 17-0267	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount (EST3 1504-AQN5) .....	153.46	36.17
28 46 21 17-0268	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount, Short Catch Plate (EST3 1505-AQN5) .....	153.46	36.17
28 46 21 17-0269	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Surface, Wall Mount (EST3 1508-AQN5) .....	155.80	36.17
28 46 21 17-0270	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Completely Flush, Wall Mount (EST3 1509-AQN5) .....	158.03	36.17
28 46 21 17-0271			<b>Control Relays, Multi-Voltage</b> (28 46 21 17-0263)		
28 46 21 17-0272	EA		Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1) .....	36.25	7.23
28 46 21 17-0273			<b>FireShield Plus</b> (28 46 21 17-0002)		
28 46 21 17-0274			<b>3 Zone System</b> (28 46 21 17-0273)		
28 46 21 17-0275	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R) .....	993.40	289.38
28 46 21 17-0276	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD) .....	1,439.14	385.83
28 46 21 17-0277	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G) .....	993.40	289.38
28 46 21 17-0278	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD) .....	1,439.14	385.83
28 46 21 17-0279	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G) .....	67.86	12.06
28 46 21 17-0280	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R) .....	67.86	12.06
28 46 21 17-0281			<b>5 Zone System</b> (28 46 21 17-0273)		
28 46 21 17-0282	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R) .....	1,064.19	289.38
28 46 21 17-0283	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD) .....	1,505.88	385.83
28 46 21 17-0284	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G) .....	1,064.19	289.38
28 46 21 17-0285	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD) .....	1,505.88	385.83
28 46 21 17-0286	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G) .....	67.86	12.06
28 46 21 17-0287	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R) .....	67.86	12.06
28 46 21 17-0288			<b>10 Zone System</b> (28 46 21 17-0273)		
28 46 21 17-0289	EA		Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R) .....	1,530.15	385.83
28 46 21 17-0290	EA		Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD) .....	1,975.90	482.30
28 46 21 17-0291	EA		Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G) .....	1,499.81	385.83
28 46 21 17-0292	EA		Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD) .....	1,975.90	482.30
28 46 21 17-0293	EA		Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G) .....	78.81	12.06
28 46 21 17-0294	EA		NAC Power Expansion Transformer, 120 Volt AC, Increases 10 Zone FACP NAC (EST3 F-XTR120) .....	144.54	24.12
28 46 21 17-0295			<b>FireShield Plus Off Premise Communication Options</b> (28 46 21 17-0273)		
28 46 21 17-0296	EA		F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT) .....	311.17	24.12

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21 17-0297		<b>FireShield Plus Remote LED Annunciators</b> (28 46 21 17-0273)			
28 46 21 17-0298	EA	Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI) .....	137.97		36.17
28 46 21 17-0299	EA	Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A) .....	137.97		36.17
28 46 21 17-0300	EA	Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA) .....	143.13		36.17
28 46 21 17-0301	EA	Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2).....	27.63		7.23
28 46 21 17-0302	EA	Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3).....	34.23		7.23
28 46 21 17-0303	EA	Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4).....	50.08		7.23
28 46 21 17-0304		<b>FireShield Plus Remote 10 Zone LED Annunciators</b> (28 46 21 17-0273)			
28 46 21 17-0305	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10) .....	416.19		36.17
28 46 21 17-0306	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C) .....	456.64		36.17
28 46 21 17-0307	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1).....	149.36		24.12
28 46 21 17-0308		<b>FireShield Plus Remote Relays And Interfaces</b> (28 46 21 17-0273)			
28 46 21 17-0309	EA	Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24) .....	157.61		24.12
28 46 21 17-0310	EA	11" Snap Track Holds 2-4 RRM's, Used To Mount FSRRM's In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11) .....	66.20		14.47
28 46 21 17-0311	EA	Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM) .....	248.47		24.12
28 46 21 17-0312		<b>FireShield Plus Accessories</b> (28 46 21 17-0273)			
28 46 21 17-0313	EA	Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1) .....	14.96		
28 46 21 17-0314	EA	4.7k UL End Of Line Resistor With FireShield Panels (EST3 EOL47PK7) .....	9.43		
28 46 21 17-0315		<b>iO Series Fire Control Panels</b> (28 46 21 17-0002)			
28 46 21 17-0316		<b>Intelligent Analog Control Panels</b> (28 46 21 17-0315)			
28 46 21 17-0317	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G) .....	2,997.13		482.30
28 46 21 17-0318	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD).....	3,193.32		482.30
28 46 21 17-0319	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, English (EST3 iO64G).....	2,392.85		385.83
28 46 21 17-0320	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD).....	2,483.87		385.83
28 46 21 17-0321		<b>Option Modules And Accessories For iO Series</b> (28 46 21 17-0315)			
28 46 21 17-0322	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1).....	274.60		36.17
28 46 21 17-0323	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2) .....	173.47		36.17
28 46 21 17-0324	EA	Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232).....	173.47		36.17
28 46 21 17-0325	EA	Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA).....	149.36		24.12
28 46 21 17-0326	EA	Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT) .....	301.53		19.29
28 46 21 17-0327	EA	Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH) .....	544.25		19.29
28 46 21 17-0328	EA	Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1) .....	66.60		12.06
28 46 21 17-0329	EA	Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2) .....	76.71		12.06
28 46 21 17-0330	EA	Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250) .....	1,006.64		48.23
28 46 21 17-0331		<b>Remote Annunciators For iO Series</b> (28 46 21 17-0315)			
28 46 21 17-0332	EA	Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD) .....	552.71		36.17
28 46 21 17-0333	EA	Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C) .....	578.00		36.17
28 46 21 17-0334		<b>Remote Annunciator Accessories</b> (28 46 21 17-0315)			
28 46 21 17-0335	EA	24 Expander Cable Assembly, With Cable And Hardware (EST3 730073) .....	64.57		12.06
28 46 21 17-0336	EA	12 Expander Cable (Cable Only) (EST3 7120313-01) .....	44.35		12.06
28 46 21 17-0337	EA	24 Expander Cable (Cable Only) (EST3 7120313-02) .....	59.51		12.06
28 46 21 17-0338	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1).....	173.47		36.17
28 46 21 17-0339	EA	Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2) .....	198.75		36.17
28 46 21 17-0340	EA	Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3) .....	224.04		36.17
28 46 21 17-0341	EA	Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC).....	44.35		12.06
28 46 21 17-0342	EA	Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC) .....	44.35		12.06
28 46 21 17-0343	EA	Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY).....	88.54		12.06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>28 46 21 17-0344 System Accessories</b> <small>(28 46 21 17-0315)</small>					
28 46 21 17-0345	EA		Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt DC, 24 Ampere Batteries (EST3 BC-1).....	315.10	48.23
28 46 21 17-0346	EA		Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A).....	1,461.79	385.83
<b>28 46 21 17-0347 Conventional Initiating Devices</b> <small>(28 46 21 17-0002)</small>					
<b>28 46 21 17-0348 Detectors, Heat, Double Pole</b> <small>(28 46 21 17-0347)</small>					
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.					
28 46 21 17-0349	EA		Heat Detector, 135 Degree F Fixed Temperature (CF135-2).....	126.84	36.17
28 46 21 17-0350	EA		Heat Detector, 200 Degree F Fixed Temperature (CF200-2).....	126.84	36.17
28 46 21 17-0351	EA		Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2).....	126.84	36.17
28 46 21 17-0352	EA		Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2).....	126.84	36.17
<b>28 46 21 17-0353 Detectors, Rate Compensation Heat, Accessories</b> <small>(28 46 21 17-0347)</small>					
28 46 21 17-0354	EA		Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P).....	80.48	36.17
28 46 21 17-0355	EA		Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11).....	203.91	19.29
28 46 21 17-0356	EA		4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27).....	67.94	24.12
<b>28 46 21 17-0357 Detectors, Heat, Fire-Lite</b> <small>(28 46 21 17-0347)</small>					
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.					
28 46 21 17-0358	EA		Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135).....	119.10	36.17
28 46 21 17-0359	EA		Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194).....	119.10	36.17
<b>28 46 21 17-0360 Audio Notification Systems (Standalone Voice Evacuation)</b> <small>(28 46 21 17-0002)</small>					
<b>28 46 21 17-0361 Audio Notification Panels</b> <small>(28 46 21 17-0360)</small>					
28 46 21 17-0362	EA		Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG).....	3,968.19	482.30
28 46 21 17-0363	EA		Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR).....	3,968.19	482.30
28 46 21 17-0364	EA		Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG).....	2,987.21	482.30
28 46 21 17-0365	EA		Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR).....	2,987.21	482.30
28 46 21 17-0366	EA		Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG).....	3,472.65	482.30
28 46 21 17-0367	EA		Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR).....	3,472.65	482.30
<b>28 46 21 17-0368 Audio Notification Expander Panels</b> <small>(28 46 21 17-0360)</small>					
28 46 21 17-0369	EA		Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG).....	3,068.12	482.30
28 46 21 17-0370	EA		Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR).....	3,068.12	482.30
28 46 21 17-0371	EA		Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG).....	2,117.49	482.30
28 46 21 17-0372	EA		Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR).....	2,117.49	482.30
28 46 21 17-0373	EA		Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG).....	2,673.71	482.30
28 46 21 17-0374	EA		Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR).....	2,673.71	482.30
<b>28 46 21 17-0375 Audio Notification Output Accessories</b> <small>(28 46 21 17-0360)</small>					
28 46 21 17-0376	EA		Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B).....	115.14	12.06
28 46 21 17-0377	EA		Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A).....	503.32	24.12
28 46 21 17-0378	EA		Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B).....	503.32	24.12
28 46 21 17-0379	EA		Class A Converter (GE ANSZSC4A).....	361.74	24.12
<b>28 46 21 17-0380 Audio Notification Remote Microphone</b> <small>(28 46 21 17-0360)</small>					
28 46 21 17-0381	EA		Microphone (GE ANSMIKE).....	139.25	24.12
28 46 21 17-0382	EA		Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG).....	553.89	24.12
28 46 21 17-0383	EA		Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR).....	553.89	24.12
28 46 21 17-0384	EA		Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP).....	125.25	12.06
28 46 21 17-0385	EA		Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR).....	69.62	12.06
<b>28 46 21 17-0386 Audio Notification Accessories</b> <small>(28 46 21 17-0360)</small>					

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0387	EA		Audio Matching - Line Input/Output Card (GE ANSAUX).....	230.27	24.12
28 46 21 17-0388	EA		Class B Backup Amplifier Switching Module (GE ANSBKUP) .....	230.27	24.12
28 46 21 17-0389	EA		Class A Backup Amplifier Switching Module (GE ANSBKUPA).....	230.27	24.12
28 46 21 17-0390	EA		Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANRSI8).....	503.32	24.12
<b>28 46 21 17-0391</b>			<b>Audio Notification Modules, Without Cabinet And Transformer</b> <small>(28 46 21 17-0360)</small>		
28 46 21 17-0392	EA		100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A)..... Note: Excludes cabinet.	1,825.80	48.23
28 46 21 17-0393	EA		100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM)..... Note: Excludes cabinet.	1,916.82	48.23
28 46 21 17-0394	EA		100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD)..... Note: Excludes cabinet.	2,644.97	48.23
28 46 21 17-0395	EA		25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A)..... Note: Excludes cabinet.	1,006.64	48.23
28 46 21 17-0396	EA		25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM)..... Note: Excludes cabinet.	1,006.64	48.23
28 46 21 17-0397	EA		25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD).....	1,825.80	48.23
28 46 21 17-0398	EA		50W Expander Module (No Microphone Or DMR) (GE ANS50A)..... Note: Excludes cabinet.	1,461.73	48.23
28 46 21 17-0399	EA		50W Expander Module With Microphone (No DMR) (GE ANS50AM)..... Note: Excludes cabinet.	1,552.75	48.23
28 46 21 17-0400	EA		50W Audio Notification Module With DMR And Microphone (GE ANS50AMD)..... Note: Excludes cabinet.	2,280.90	48.23
28 46 21 17-0401	EA		Power Transformer, Open Frame, 28 Volt AC At 180 VA (EVAX 50/100) (GE ANST28180) .....	115.14	12.06
28 46 21 17-0402	EA		Power Transformer, Open Frame, 28 Volt AC At 100 VA (EVAX 25) (GE ANST2885) .....	85.85	12.06
<b>28 46 21 17-0403</b>			<b>Simplex Fire Alarm</b> <small>(28 46 21 17)</small>		
<b>28 46 21 17-0404</b>			<b>4100 Fire Alarm Control Panel</b> <small>(28 46 21 17-0403)</small>		
28 46 21 17-0405	EA		4100U Master Controller Assembly With LCD And Operator Interface, 9 Amperes System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111).....	4,992.07	481.31
28 46 21 17-0406	EA		4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amperes System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt AC Input (Simplex 4100-9141).....	5,431.40	481.31
28 46 21 17-0407	EA		4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142).....	7,732.35	481.31
28 46 21 17-0408	EA		Up To 127 Points, IDNet Module, (Simplex 4100-3104) .....	3,265.63	481.31
28 46 21 17-0409	EA		Up To 64 Points, IDNet Module, (Simplex 4100-3105) .....	2,595.64	481.31
28 46 21 17-0410	EA		Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101)..... Note: Add-on module.	1,555.45	120.32
28 46 21 17-0411	EA		Alarm Relay, 3 Form C Relays, 2 Amperes At 32 Volt DC, For SPS Or RPS (Simplex 4100-6033)..... Note: Add-on module.	325.17	24.07
28 46 21 17-0412	EA		Dual Port RS-232 Interface Card (Simplex 4100-6038)..... Note: Add-on module.	924.67	24.07
<b>28 46 21 17-0413</b>			<b>4100U Backbox</b> <small>(28 46 21 17-0403)</small>		
28 46 21 17-0414	EA		2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425) .....	1,614.05	96.26
28 46 21 17-0415	EA		3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443) .....	2,265.86	96.26
<b>28 46 21 17-0416</b>			<b>DACT (Digital Alarm Communicator Transmitter)</b> <small>(28 46 21 17-0403)</small>		
28 46 21 17-0417	EA		6 Zone Fire Control Communicator (Silent Knight SK-5104).....	882.87	48.13
<b>28 46 21 17-0418</b>			<b>4010 Fire Alarm Control Panel</b> <small>(28 46 21 17-0403)</small>		
28 46 21 17-0419	EA		120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101).....	4,722.73	481.31
28 46 21 17-0420	EA		240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201).....	4,589.22	481.31
28 46 21 17-0421	EA		Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806) .....	169.44	24.07
28 46 21 17-0422	EA		Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811) .....	721.26	24.07
28 46 21 17-0423	EA		Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812).....	990.04	24.07
28 46 21 17-0424	EA		120 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9813) .....	510.77	24.07
28 46 21 17-0425	EA		240 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9823) .....	552.38	24.07
28 46 21 17-0426	EA		Battery Meter Module Expansion Module (Simplex 4010-9820) .....	209.87	24.07
<b>28 46 21 17-0427</b>			<b>Printer</b> <small>(28 46 21 17-0403)</small>		
28 46 21 17-0428	EA		24 Pin Dot Matrix Printer (Simplex 4190-9013).....	1,591.88	24.07



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>28 46 21 17-0429 NAC Panel / Power Booster</b> (28 46 21 17-0403)					
28 46 21 17-0430	EA		120 Volt AC, IDNet NAC Extender With 4, Class B (Style Y) NACs And 8 Amperes Power Supply (Simplex 4009-9201).....	1,047.86	120.32
Note: Power supply for horns and strobes.					
<b>28 46 21 17-0431 Battery</b> (28 46 21 17-0403)					
28 46 21 17-0432	EA		50 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9296) .....	646.26	24.07
Note: Two required for 24 volt DC.					
28 46 21 17-0433	EA		33 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9276) .....	430.71	24.07
Note: Two required for 24 volt DC.					
28 46 21 17-0434	EA		6.2 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9272) .....	157.70	24.07
Note: Two required for 24 volt DC.					
<b>28 46 21 17-0435 Interface Modules</b> (28 46 21 17-0403)					
28 46 21 17-0436	EA		Supervised Individual Addressable Modules (Simplex 4090-9001) .....	128.08	24.07
Note: Monitor modules for waterflow/tamper, etc.					
28 46 21 17-0437	EA		Relay Individual Addressable Modules (Simplex 4090-9002) .....	261.13	24.07
Note: Control modules for gas shutdown, door holders, etc.					
28 46 21 17-0438	EA		Relay SPDT With LED MR-801/T (Simplex 2088-9032) .....	65.40	24.07
Note: Interface relay for 120VAC					
28 46 21 17-0439	EA		SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815).....	129.55	24.07
28 46 21 17-0440	EA		Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817).....	57.87	12.03
28 46 21 17-0441	EA		Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818) .....	55.05	12.03
<b>28 46 21 17-0442 Pull Stations</b> (28 46 21 17-0403)					
28 46 21 17-0443	EA		Addressable Single Action Manual Pull Station (Simplex 4099-9001) .....	156.62	24.07
28 46 21 17-0444	EA		N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101).....	112.93	24.07
28 46 21 17-0445	EA		N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102) .....	121.37	24.07
28 46 21 17-0446	EA		Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103).....	109.12	24.07
28 46 21 17-0447	EA		N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104).....	127.01	24.07
28 46 21 17-0448	EA		N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105).....	191.29	24.07
28 46 21 17-0449	EA		Single Action, Pre-Signal, N.O. Contacts, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107).....	160.81	24.07
28 46 21 17-0450	EA		Break-Glass, Pre-Signal, N.O. Contacts, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108).....	188.98	24.07
28 46 21 17-0451	EA		Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754) .....	89.45	24.07
28 46 21 17-0452	EA		Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755) .....	94.61	24.07
28 46 21 17-0453	EA		Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756).....	111.21	24.07
28 46 21 17-0454	EA		N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758).....	171.55	24.07
28 46 21 17-0455	EA		Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759) .....	294.96	24.07
28 46 21 17-0456	EA		Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762).....	98.84	24.07
28 46 21 17-0457	EA		Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178).....	60.70	12.03
<b>28 46 21 17-0458 Weatherproof Pull Stations</b> (28 46 21 17-0403)					
28 46 21 17-0459	EA		Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138).....	153.56	28.88
28 46 21 17-0460	EA		Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211) .....	98.13	12.03
<b>28 46 21 17-0461 Heat / Smoke Sensor</b> (28 46 21 17-0403)					
28 46 21 17-0462	EA		32 To 122 Degree F Heat Sensor (Simplex 4098-9733).....	155.18	36.10
28 46 21 17-0463	EA		Photoelectric Smoke Sensor (Simplex 4098-9714).....	224.33	36.10
28 46 21 17-0464	EA		Sensor Base With Relay Driver (Simplex 4098-9791) .....	431.09	12.03
28 46 21 17-0465	EA		Standard Sensor Base (Simplex 4098-9792).....	219.69	12.03
28 46 21 17-0466	EA		Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737) .....	128.60	24.07
Note: Relay for 4098-9791					
<b>28 46 21 17-0467 Explosion Proof Heat Detector</b> (28 46 21 17-0403)					
28 46 21 17-0468	EA		135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488).....	164.02	36.10
28 46 21 17-0469	EA		Explosion Proof Backbox (Killark JLX-21).....	105.78	12.03
28 46 21 17-0470	EA		Explosion Proof Backbox Plugs (Killark CUP-2) .....	9.80	2.41
<b>28 46 21 17-0471 Weatherproof Heat Detector</b> (28 46 21 17-0403)					
28 46 21 17-0472	EA		194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490) .....	119.59	36.10
<b>28 46 21 17-0473 200 Degree F Heat Detector</b> (28 46 21 17-0403)					
28 46 21 17-0474	EA		194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604).....	99.72	36.10
Note: Used in kiln rooms and kitchens.					
<b>28 46 21 17-0475 Duct Smoke Sensor</b> (28 46 21 17-0403)					
28 46 21 17-0476	EA		Duct Sensor Housing (Simplex 4098-9755).....	349.57	19.25

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0477	EA		Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756)..... Note: Relay output for AHU shutdown.	473.26	43.32
28 46 21 17-0478	EA		46" To 71" Duct Sampling Tube (Simplex 2098-9798)..... Note: 25", 49", 73" or 97" sampling tube length.	53.45	12.03
28 46 21 17-0479	EA		Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806).....	127.97	36.10
<b>28 46 21 17-0480</b>			<b>Interior Horn</b> <small>(28 46 21 17-0403)</small>		
28 46 21 17-0481	EA		Red With White "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850).....	118.73	36.10
28 46 21 17-0482	EA		White With Red "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853).....	118.73	36.10
<b>28 46 21 17-0483</b>			<b>Interior Horn Strobe</b> <small>(28 46 21 17-0403)</small>		
28 46 21 17-0484	EA		75Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9426).....	162.67	36.10
28 46 21 17-0485	EA		110Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9427).....	162.67	36.10
28 46 21 17-0486	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127).....	152.64	36.10
28 46 21 17-0487	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128).....	152.64	36.10
28 46 21 17-0488	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129).....	152.64	36.10
28 46 21 17-0489	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130).....	152.64	36.10
28 46 21 17-0490	EA		Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131).....	156.01	36.10
28 46 21 17-0491	EA		Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132).....	156.01	36.10
28 46 21 17-0492	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139).....	161.91	36.10
28 46 21 17-0493	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140).....	159.19	36.10
28 46 21 17-0494	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141).....	161.91	36.10
28 46 21 17-0495	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142).....	159.19	36.10
28 46 21 17-0496	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227).....	152.64	36.10
28 46 21 17-0497	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228).....	152.64	36.10
28 46 21 17-0498	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229).....	152.64	36.10
28 46 21 17-0499	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230).....	152.64	36.10
<b>28 46 21 17-0500</b>			<b>Interior Strobe</b> <small>(28 46 21 17-0403)</small>		
28 46 21 17-0501	EA		Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101).....	131.35	36.10
28 46 21 17-0502	EA		Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102).....	131.35	36.10
28 46 21 17-0503	EA		Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103).....	131.30	36.10
28 46 21 17-0504	EA		Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104).....	131.35	36.10
28 46 21 17-0505	EA		Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105).....	144.08	36.10
28 46 21 17-0506	EA		Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106).....	144.08	36.10
28 46 21 17-0507	EA		Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109).....	144.90	36.10
28 46 21 17-0508	EA		Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110).....	147.12	36.10
28 46 21 17-0509	EA		Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111).....	147.12	36.10
28 46 21 17-0510	EA		Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112).....	147.12	36.10
28 46 21 17-0511	EA		Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201).....	131.35	36.10
28 46 21 17-0512	EA		Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202).....	131.35	36.10
28 46 21 17-0513	EA		Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203).....	131.35	36.10
28 46 21 17-0514	EA		Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204).....	131.35	36.10
<b>28 46 21 17-0515</b>			<b>Interior Speakers</b> <small>(28 46 21 17-0403)</small>		
28 46 21 17-0516	EA		Red With White "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716).....	107.94	36.10
28 46 21 17-0517	EA		White With Red "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717).....	107.94	36.10
28 46 21 17-0518	EA		Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721).....	107.94	36.10
<b>28 46 21 17-0519</b>			<b>Interior Speaker Strobe</b> <small>(28 46 21 17-0403)</small>		
28 46 21 17-0520	EA		Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151).....	172.59	36.10
28 46 21 17-0521	EA		White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153).....	172.59	36.10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 46 21 17-0522			<b>Surge Suppressors</b> (28 46 21 17-0403)		
28 46 21 17-0523	EA		Overvoltage Suppressor (Simplex 2081-9044) .....	109.27	7.22
28 46 21 17-0524	EA		Isolated Loop Circuit Protector (Simplex 2081-9028) .....	70.25	7.22
28 46 21 17-0525	EA		120 Volt AC, 20 Amperes, Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A) .....	232.88	7.22
28 46 21 17-0526	EA		24 Volt AC, Data And Loop Circuit Surge Protector (Ditek DTK-2MHL24B) .....	80.30	7.22
28 46 21 17-0527	EA		Mounting Base For Two DTK-2MHL (Ditek DTK-2MB) .....	121.16	12.03
28 46 21 17-0528	EA		120 Volt AC, 22,500 Amperes, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW) .....	82.30	7.22
28 46 21 17-0529	EA		<105 Volt AC, 9,000 Amperes, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MR31SCWP) .....	62.19	7.22
28 46 21 17-0530			<b>Boxes And Adapters</b> (28 46 21 17-0403)		
28 46 21 17-0531	EA		Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921) .....	55.05	12.03
28 46 21 17-0532	EA		Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925) .....	52.24	12.03
28 46 21 17-0533	EA		Red, Surface Mount Adapter Skirt (Simplex 4905-9937) .....	46.72	12.03
28 46 21 17-0534	EA		White, Surface Mount Adapter Skirt (Simplex 4905-9940) .....	38.88	12.03
28 46 21 17-0535			<b>Accessories</b> (28 46 21 17-0403)		
28 46 21 17-0536	EA		End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008) .....	27.34	12.03
28 46 21 17-0537			<b>Siemens Fire Alarm</b> (28 46 21 17)		
28 46 21 17-0538			<b>Conventional Control Panels</b> (28 46 21 17-0537)		
28 46 21 17-0539			<b>SXL Batteries And Power Supplies</b> (28 46 21 17-0538)		
28 46 21 17-0540	EA		6 Amperes Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3) .....	921.49	48.13
28 46 21 17-0541	EA		Main Board Only For PAD-3 (Siemens PAD-3-MB) .....	743.50	48.13
28 46 21 17-0542			<b>Digital Fire Communicators</b> (28 46 21 17-0538)		
28 46 21 17-0543	EA		Four Channel Digital Slave Fire Communicator (Siemens 5129) .....	720.04	48.13
28 46 21 17-0544			<b>Addressable Control Panels</b> (28 46 21 17-0537)		
28 46 21 17-0545			<b>Fireseeker Equipment</b> (28 46 21 17-0544)		
28 46 21 17-0546			<b>FS-250 System Panels</b> (28 46 21 17-0545)		
28 46 21 17-0547	EA		FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT) .....	2,270.03	481.31
			Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.		
28 46 21 17-0548	EA		FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT) .....	2,813.72	481.31
			Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 21 17-0549	EA		FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT) .....	1,692.40	385.04
			Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 21 17-0550	EA		Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON) .....	2,273.27	481.31
28 46 21 17-0551			<b>FS-250 Optional Modules</b> (28 46 21 17-0545)		
28 46 21 17-0552	EA		Main Board Module (Siemens FS-MB2) .....	927.96	48.13
28 46 21 17-0553	EA		Display Board Module (Siemens FS-DB2) .....	721.26	24.07
28 46 21 17-0554	EA		Device Loop Card (Siemens FS-DLC) .....	591.81	24.07
28 46 21 17-0555	EA		Releasing Module (Siemens FS-REL) .....	264.96	24.07
28 46 21 17-0556	EA		Remote LCD Annunciator (Siemens FS-RD2) .....	587.77	24.07
28 46 21 17-0557	EA		Relay Processor Card (Siemens FS-RU2) .....	510.91	24.07
28 46 21 17-0558	EA		Relay Expander Board (Siemens FS-RE8) .....	436.47	24.07
28 46 21 17-0559	EA		Serial Annunciator Processor Card (Siemens FS-SAU2) .....	587.77	24.07
28 46 21 17-0560	EA		16 Output Annunciator Extender (Siemens FS-SAE16) .....	459.13	24.07
28 46 21 17-0561	EA		Digital Alarm Communication Transmitter (Siemens FS-DACT) .....	417.87	24.07
28 46 21 17-0562	EA		Municipal Tie Module (Siemens FS-MT) .....	355.57	24.07
28 46 21 17-0563	EA		Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2) .....	328.46	
28 46 21 17-0564	EA		Programming Cable Kit (Siemens CBL-UD) .....	86.37	12.03
28 46 21 17-0565	EA		Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE) .....	155.73	24.07
28 46 21 17-0566	EA		Releasing Power Transformer (Siemens FS-RPT-A) .....	158.16	24.07
28 46 21 17-0567	EA		Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB) .....	177.67	19.25
28 46 21 17-0568	EA		Cabinet Trim Kit (Siemens RD-CAB-TK) .....	286.20	12.03
28 46 21 17-0569			<b>Firefinder Systems</b> (28 46 21 17-0544)		
28 46 21 17-0570			<b>XLS Basic Fire System Packages Without Backbox</b> (28 46 21 17-0569)		
28 46 21 17-0571	EA		500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP) .....	7,874.16	481.31
			Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21 17-0572	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP) ..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	6,950.23		481.31
28 46 21 17-0573	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP) ..... Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	6,950.23		481.31
28 46 21 17-0574	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD) ..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.	11,542.40		481.31
28 46 21 17-0575	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD) ..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.	11,925.89		481.31
28 46 21 17-0576	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP) ..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	6,857.19		481.31
28 46 21 17-0577	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP) ..... Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	6,857.19		481.31
28 46 21 17-0578	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP) ..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	7,938.08		481.31
<b>28 46 21 17-0579</b>		<b>Firefinder - XLS Basic System Equipment</b> (28 46 21 17-0569)			
28 46 21 17-0580	EA	Person Machine Interface With Central Processor (Siemens PMI) ..... Note: Includes inner door.	3,659.17		481.31
28 46 21 17-0581	EA	Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC) ..... Note: Includes inner door.	6,046.68		481.31
28 46 21 17-0582	EA	Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT) ..... Note: Includes inner door.	3,659.17		481.31
28 46 21 17-0583	EA	Two Slot Card Cage (Siemens CC-2) .....	449.42		24.07
28 46 21 17-0584	EA	Five Slot Card Cage (Siemens CC-5) .....	757.67		24.07
28 46 21 17-0585	EA	Four Circuit Zone Indicating Card (Siemens ZIC-4A) .....	1,081.29		24.07
28 46 21 17-0586	EA	Eight Circuit Zone Indicating Card (Siemens ZIC-8B) .....	1,129.02		24.07
28 46 21 17-0587	EA	Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C) .....	358.81		24.07
28 46 21 17-0588	EA	Device Loop Card (Siemens DLC) ..... Note: Interfaces with up to 252 detectors and devices.	1,281.12		24.07
28 46 21 17-0589	EA	Controllable Relay Card (Siemens CRC-6) ..... Note: Provides six programmable relays.	726.92		24.07
28 46 21 17-0590	EA	12 Amperes Power Supply Charger Module (Siemens PSC-12) .....	2,744.69		24.07
28 46 21 17-0591	EA	Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI) ..... Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.	4,738.45		481.31
28 46 21 17-0592	EA	Network Interface Card (Siemens NIC-C) ..... Note: Provides HNET Or XNET communication between enclosures.	849.90		24.07
28 46 21 17-0593	EA	12 Amperes Power Supply Extender (Siemens PSX-12) ..... Note: Extends PSC-12 with an additional 24 volt DC.	2,283.54		24.07
28 46 21 17-0594	EA	Power Termination Board (Siemens PTB) ..... Note: Used with systems requiring more than one PSX-12.	387.93		24.07
28 46 21 17-0595	EA	Conventional Detector Card (Siemens CDC-4) .....	819.15		24.07
28 46 21 17-0596	EA	Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS) .....	1,601.51		24.07
28 46 21 17-0597	EA	Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS) .....	5,750.31		24.07
<b>28 46 21 17-0598</b>		<b>Remote Lobby Enclosure</b> (28 46 21 17-0569)			
28 46 21 17-0599	EA	14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2) ..... Note: Flush mounted. Includes clear lens plate on cover.	1,071.97		96.26
28 46 21 17-0600	EA	24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4) ..... Note: Flush mounted. Includes clear lens plate on cover.	1,379.41		96.26
28 46 21 17-0601	EA	Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP) ..... Note: Required to mount up to four SIM-16 or OCM-16 modules.	171.91		24.07
28 46 21 17-0602	EA	Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP) ..... Note: Required to mount up to eight SIM-16 or OCM-16 modules.	187.29		24.07
<b>28 46 21 17-0603</b>		<b>Battery Enclosures</b> (28 46 21 17-0569)			
28 46 21 17-0604	EA	Enclosure For 100 Ampere Hours Batteries (Siemens CAB-BATT) .....	670.68		96.26
<b>28 46 21 17-0605</b>		<b>Graphic Annunciator Output Drivers And Inputs</b> (28 46 21 17-0569)			
28 46 21 17-0606	EA	Output Control Module (Siemens OCM-16) .....	526.28		24.07
28 46 21 17-0607	EA	Supervised Input Module (Siemens SIM-16) .....	526.28		24.07
<b>28 46 21 17-0608</b>		<b>Remote LCD Displays</b> (28 46 21 17-0569)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0609	EA		Remote LED/LCD System Status Display (Siemens SSD)..... Note: No control or menu capability.	1,222.85	72.19
28 46 21 17-0610	EA		Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C) .....	1,377.38	72.19
<b>28 46 21 17-0611</b>			<b>Voice Equipment</b> (28 46 21 17-0569)		
28 46 21 17-0612	EA		40 Watts Zone Amplifier Card (Siemens ZAC-40) .....	1,206.69	24.07
28 46 21 17-0613	EA		180 Watts Zone Amplifier Module (Siemens ZAM-180).....	2,668.64	24.07
28 46 21 17-0614	EA		Live Voice Module (Siemens LVM)..... Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.	1,126.59	24.07
<b>28 46 21 17-0615</b>			<b>MXL Series Equipment</b> (28 46 21 17-0544)		
<b>28 46 21 17-0616</b>			<b>MXL Optional Equipment</b> (28 46 21 17-0615)		
28 46 21 17-0617	EA		Two Circuit Analog Loop Driver (Siemens ALD-21).....	1,303.36	48.13
28 46 21 17-0618	EA		CXL/MXL Interface Module (Siemens CMI-300).....	3,349.05	24.07
28 46 21 17-0619	EA		Four Relay Programmable Relay Module (Siemens CRM-4).....	578.87	24.07
28 46 21 17-0620	EA		Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4) .....	697.80	24.07
28 46 21 17-0621	EA		Remote Conventional Zone Module (Siemens CZM-1B6) .....	265.76	24.07
28 46 21 17-0622	EA		Short Circuit Line Isolator Module (Siemens Model LIM-1).....	166.25	24.07
28 46 21 17-0623	EA		Four Circuit Conventional Zone Module (Siemens CZM-4).....	679.19	24.07
28 46 21 17-0624	EA		12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD).....	250.18	36.10
28 46 21 17-0625	EA		Lexan Window For RCC (Siemens GENBOX-WD).....	168.77	19.25
28 46 21 17-0626	EA		Input Driver Module (Siemens MID-16).....	446.99	24.07
28 46 21 17-0627	EA		Programmable Output Driver Module (Siemens MOD-16).....	446.99	24.07
28 46 21 17-0628	EA		MXL Output/Input Module (Siemens MOI-7).....	712.36	24.07
28 46 21 17-0629	EA		Two Slot Network Option Module Card Cage (Siemens MOM-2).....	381.46	24.07
28 46 21 17-0630	EA		Four Slot Network Option Module Card Cage (Siemens MOM-4).....	597.47	24.07
28 46 21 17-0631	EA		12 Amperes, 220 Volt AC, Power Supply For MXL (Siemens MPS-12/220).....	1,472.04	72.19
28 46 21 17-0632	EA		12 Amperes, 240 Volt AC, Power Supply For MXL (Siemens MPS-12/240).....	1,472.04	72.19
28 46 21 17-0633	EA		Network Interface Module (Siemens NIM-1W).....	1,060.25	24.07
28 46 21 17-0634	EA		U.L. Listed Parallel Printer (Siemens PAL-1).....	2,781.49	96.26
28 46 21 17-0635	EA		Peripheral Interface Module, Model PIM-1 (Siemens 500-691324) .....	314.31	24.07
28 46 21 17-0636	EA		Surface Mounted Remote Command Center (Siemens RCC-1).....	3,118.73	481.31
28 46 21 17-0637	EA		Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL).....	381.85	48.13
28 46 21 17-0638	EA		Flush Mounted Remote Command Center (Siemens RCC-1F).....	3,118.73	481.31
28 46 21 17-0639	EA		Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL).....	391.56	48.13
28 46 21 17-0640	EA		Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2).....	2,418.90	481.31
28 46 21 17-0641	EA		MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3).....	3,575.03	481.31
28 46 21 17-0642	EA		RCC-2/RSE-1 Trim Ring (Siemens RCF-1).....	60.48	12.03
28 46 21 17-0643	EA		Remote Diagnostics Module For MXL (Siemens RDM-MXL).....	4,303.32	48.13
28 46 21 17-0644	EA		Remote Diagnostics Module For PC (Siemens RDM-PC).....	9,155.19	48.13
28 46 21 17-0645	EA		Releasing End Of Line Module (Siemens REL-EOL).....	136.32	24.07
28 46 21 17-0646	EA		36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC) .....	2,747.52	48.13
28 46 21 17-0647	EA		36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL).....	2,623.73	48.13
28 46 21 17-0648	EA		8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1).....	1,406.91	96.26
<b>28 46 21 17-0649</b>			<b>Complete MXL And MXLV System Packages Without Enclosure</b> (28 46 21 17-0615)		
28 46 21 17-0650	EA		MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-21 And One PIM-1 (Siemens MXL-SS-EP) .....	10,216.36	481.31
			Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-21 is a two circuit analog loop driver. PIM-1 is a peripheral interface module.		
28 46 21 17-0651	EA		MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP).....	13,248.68	481.31
			Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a clear lens. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.		
28 46 21 17-0652	EA		MXLV Demonstration Panel (Siemens MXLV DEMO).....	27,410.30	481.31
<b>28 46 21 17-0653</b>			<b>MXL Basic System</b> (28 46 21 17-0615)		
28 46 21 17-0654	EA		MXL/MXLV Main Control Board (Siemens MMB-3).....	6,400.88	481.31
28 46 21 17-0655	EA		MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL)..... Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.	8,212.35	481.31
28 46 21 17-0656	EA		MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2).....	2,318.72	48.13
28 46 21 17-0657	EA		MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5).....	2,902.85	48.13
28 46 21 17-0658	EA		6 Amperes Power Supply For MXL (Siemens MPS-6).....	1,018.16	72.19
28 46 21 17-0659	EA		220/240 Volt AC Adapter Cable (Siemens CIA-12).....	76.66	12.03
<b>28 46 21 17-0660</b>			<b>MXL/MXLV System Expansion Accessories</b> (28 46 21 17-0615)		
28 46 21 17-0661	EA		MXL Remote Power Supply Module (Siemens PSR-1).....	1,247.13	72.19
28 46 21 17-0662	EA		Style 4 Communication Module (Siemens NET-4).....	257.67	24.07
28 46 21 17-0663	EA		Style 7 Communication Module (Siemens NET-7).....	465.60	24.07
28 46 21 17-0664	EA		MXL/MXLV IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6).....	281.14	24.07

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
28 46 21 17-0665		Peripheral Devices <small>(28 46 21 17-0544)</small>			
28 46 21 17-0666		Thermal Detectors <small>(28 46 21 17-0665)</small>			
28 46 21 17-0667	EA	Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R).....	111.83		36.10
28 46 21 17-0668	EA	Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R).....	111.83		36.10
28 46 21 17-0669	EA	135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F).....	111.83		36.10
28 46 21 17-0670	EA	200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F).....	111.83		36.10
28 46 21 17-0671	EA	Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP).....	172.51		36.10
28 46 21 17-0672	EA	Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP).....	172.51		36.10
28 46 21 17-0673	EA	Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP).....	417.65		36.10
28 46 21 17-0674		Beam Smoke Detector <small>(28 46 21 17-0665)</small>			
28 46 21 17-0675	EA	Linear Beam Smoke Detector (Siemens PBA-1191).....	1,959.26		36.10
28 46 21 17-0676	EA	Base For Linear Beam Smoke Detector (Siemens PBB-1191).....	224.71		12.03
28 46 21 17-0677	EA	20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192).....	227.14		12.03
28 46 21 17-0678	EA	10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193).....	117.11		12.03
28 46 21 17-0679		Bases For Detectors <small>(28 46 21 17-0665)</small>			
28 46 21 17-0680	EA	Detector Base (Siemens DB-11).....	36.21		12.03
28 46 21 17-0681	EA	Universal Base (Siemens DB-3S).....	33.78		12.03
28 46 21 17-0682		Manual Stations <small>(28 46 21 17-0665)</small>			
28 46 21 17-0683	EA	Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP).....	251.12		28.88
28 46 21 17-0684		Addressable Devices <small>(28 46 21 17-0544)</small>			
28 46 21 17-0685		Intelligent Detectors And Devices For Firefinder XLS And FS-250 <small>(28 46 21 17-0684)</small>			
28 46 21 17-0686	EA	Addressable Fireprint Fire Detector (Siemens HFP-11).....	211.35		36.10
28 46 21 17-0687	EA	Addressable Thermal Fire Detector (Siemens HFPT-11).....	183.03		36.10
28 46 21 17-0688	EA	Relay Base For H-Series Intelligent Detectors (Siemens DB-HR).....	149.86		36.10
28 46 21 17-0689	EA	Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC).....	102.12		36.10
28 46 21 17-0690	EA	Wall Mounted Remote Alarm Indicator (Siemens RL-HW).....	102.12		36.10
28 46 21 17-0691	EA	Addressable Single Action Manual Pull Station (Siemens HMS-S).....	218.84		24.07
28 46 21 17-0692	EA	Addressable Double Action Manual Pull Station (Siemens HMS-D).....	209.13		24.07
28 46 21 17-0693	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S).....	166.25		24.07
28 46 21 17-0694	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D).....	202.66		24.07
28 46 21 17-0695	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R).....	202.66		24.07
28 46 21 17-0696	EA	Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M).....	154.12		24.07
28 46 21 17-0697	EA	Line Isolator Module (Siemens HLIM).....	158.97		24.07
28 46 21 17-0698	EA	Remote Convention Zone Module (Siemens HZM).....	233.40		24.07
28 46 21 17-0699	EA	Intelligent Control Point Module (Siemens HCP).....	294.89		24.07
28 46 21 17-0700	EA	Handheld Programming And Testing Unit (Siemens DPU).....	1,286.19		
28 46 21 17-0701	EA	DPU Carrying Case (Siemens DPU-C1).....	198.90		
28 46 21 17-0702	EA	Label Printer And Carrying Case (Siemens DPU-PRT).....	2,203.44		24.07
28 46 21 17-0703		Air Duct Housings And Detectors <small>(28 46 21 17-0684)</small>			
28 46 21 17-0704	EA	Air-Duct Housing (Siemens AD2-P).....	238.35		19.25
28 46 21 17-0705	EA	Air-Duct Housing With Relay (Siemens AD2-XHR).....	269.09		19.25
28 46 21 17-0706	EA	Weatherproof Enclosure For Duct Housing (Siemens WP-2000).....	217.22		24.07
28 46 21 17-0707	EA	6" To 1' Duct Sampling Tube (Siemens ST-10).....	30.62		7.22
28 46 21 17-0708	EA	>1' To 3' Duct Sampling Tube (Siemens ST-25).....	37.86		9.63
28 46 21 17-0709	EA	>3' To 5' Duct Sampling Tube (Siemens ST-50).....	47.53		12.03
28 46 21 17-0710	EA	>5' To 10' Duct Sampling Tube (Siemens ST-100).....	55.58		14.44
28 46 21 17-0711		Intelligent Initiating Devices For MXL, MXL-LQ And MXLV <small>(28 46 21 17-0684)</small>			
28 46 21 17-0712	EA	Addressable Fireprint Fire Detector (Siemens FP-11).....	220.25		36.10
28 46 21 17-0713	EA	Addressable Thermal Fire Detector (Siemens FPT-11).....	190.31		36.10
28 46 21 17-0714	EA	Intelligent Ionization Smoke Detector (Siemens ILI-1).....	242.90		36.10
28 46 21 17-0715	EA	Addressable Single Action Manual Pull Station (Siemens MSI-10B).....	213.18		24.07
28 46 21 17-0716	EA	Addressable Double Action Manual Pull Station (Siemens MSI-20B).....	235.02		24.07
28 46 21 17-0717	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S).....	215.60		24.07
28 46 21 17-0718	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D).....	238.26		24.07
28 46 21 17-0719	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R).....	238.26		24.07
28 46 21 17-0720		Detector Universal Bases <small>(28 46 21 17-0684)</small>			
28 46 21 17-0721	EA	Detector Base With Relay (Siemens DB-X11RS).....	100.93		12.03
28 46 21 17-0722	EA	PE-11 To DB-3 Base Adapter (Siemens DB-ADPT).....	52.39		12.03
28 46 21 17-0723	EA	Locking Kit (Siemens LK-11).....	10.28		
28 46 21 17-0724	EA	Detector Base With Relay (Siemens DB-X3RS).....	100.93		12.03
28 46 21 17-0725	EA	Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11).....	117.11		12.03
28 46 21 17-0726	EA	Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX).....	49.96		12.03
28 46 21 17-0727	EA	Flush Trim Ring For Bases (Siemens RA-ADB).....	24.15		7.22
28 46 21 17-0728	EA	Seal For DB-11 (Siemens DB11-SEAL).....	12.23		
28 46 21 17-0729	EA	Gasket For DB-11 (Siemens DB-SEAL).....	13.29		
28 46 21 17-0730	EA	Detector Guard Housing (Siemens DGH-11).....	147.05		12.03

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0731	EA		Small Detector Base (Siemens DB-11E).....	39.44	12.03
28 46 21 17-0732	EA		Audible Base For Series 3 (Siemens ADBI-60A) .....	131.67	12.03
28 46 21 17-0733	EA		Base Plug (Siemens DB-11-DP).....	10.24	
<b>28 46 21 17-0734</b>			<b>Air Duct Smoke Detectors</b> (28 46 21 17-0684)		
28 46 21 17-0735	EA		Intelligent Remote Duct Relay Module (Siemens DA-X3SR) .....	113.66	24.07
28 46 21 17-0736	EA		Weatherproof Enclosure For Duct Housing (Siemens EAD-3).....	571.59	24.07
<b>28 46 21 17-0737</b>			<b>Notification Devices</b> (28 46 21 17-0544)		
<b>28 46 21 17-0738</b>			<b>Synchronization Control Devices</b> (28 46 21 17-0737)		
28 46 21 17-0739	EA		Dual Synchronization Control Module (Siemens DSC) .....	166.25	24.07
<b>28 46 21 17-0740</b>			<b>Stand Alone Strobes</b> (28 46 21 17-0737)		
28 46 21 17-0741	EA		Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R).....	140.96	36.10
28 46 21 17-0742	EA		Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R) .....	153.09	36.10
28 46 21 17-0743	EA		Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR) .....	140.96	36.10
28 46 21 17-0744	EA		Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR) .....	153.09	36.10
28 46 21 17-0745	EA		Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW) .....	153.09	36.10
28 46 21 17-0746	EA		Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW) .....	140.96	36.10
28 46 21 17-0747	EA		Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R).....	161.99	36.10
28 46 21 17-0748	EA		Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP).....	155.52	36.10
28 46 21 17-0749	EA		Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP) .....	155.52	36.10
28 46 21 17-0750	EA		Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP) .....	166.04	36.10
28 46 21 17-0751	EA		Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP).....	166.04	36.10
<b>28 46 21 17-0752</b>			<b>Horns And Strobes</b> (28 46 21 17-0737)		
28 46 21 17-0753	EA		Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R) .....	188.69	36.10
28 46 21 17-0754	EA		Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R) .....	199.21	36.10
28 46 21 17-0755	EA		Wall Mounted Horn (Siemens SE-R) .....	111.83	36.10
28 46 21 17-0756	EA		Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR).....	188.69	36.10
28 46 21 17-0757	EA		Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR).....	199.21	36.10
28 46 21 17-0758	EA		Ceiling Mounted Horn (Siemens SEC-R).....	116.69	36.10
28 46 21 17-0759	EA		Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R) .....	188.69	36.10
28 46 21 17-0760	EA		Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R) .....	199.21	36.10
28 46 21 17-0761	EA		Wall Mounted Low Profile Horn (Siemens SEF-R).....	111.83	36.10
28 46 21 17-0762	EA		Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW) .....	188.69	36.10
28 46 21 17-0763	EA		Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW) .....	199.21	36.10
28 46 21 17-0764	EA		Ceiling Mounted Low Profile Horn (Siemens SEF-CR) .....	116.69	36.10
28 46 21 17-0765	EA		Mini Horn (Siemens MH-R) .....	94.03	36.10
28 46 21 17-0766	EA		Indoor/Outdoor Multi Tone Horn (Siemens MTH-R).....	118.31	36.10
28 46 21 17-0767	EA		Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R) .....	178.18	36.10
28 46 21 17-0768	EA		Industrial Tri-Tone Horn (Siemens ASR).....	496.94	36.10
28 46 21 17-0769	EA		Wall Mounted Horn (Siemens HS-R) .....	118.31	36.10
28 46 21 17-0770	EA		Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R) .....	178.98	36.10
28 46 21 17-0771	EA		Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R) .....	191.93	36.10
28 46 21 17-0772	EA		6" Motor Bell (Siemens MBDC-6).....	134.49	36.10
28 46 21 17-0773	EA		10" Motor Bell (Siemens MBDC-10).....	146.62	36.10
<b>28 46 21 17-0774</b>			<b>Mounting Accessories</b> (28 46 21 17-0737)		
28 46 21 17-0775	EA		Concealed Conduit Adapter Plate (Siemens APS-R).....	33.78	12.03
28 46 21 17-0776	EA		4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R) .....	33.78	12.03
28 46 21 17-0777	EA		4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R) .....	34.59	12.03
28 46 21 17-0778	EA		Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX).....	54.00	12.03
28 46 21 17-0779	EA		White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W).....	43.49	12.03
28 46 21 17-0780	EA		Surface Mounted Speaker Backbox (Siemens SBBS-R) .....	45.91	12.03
28 46 21 17-0781	EA		Surface Mounted Speaker Backbox (Siemens SBL2S-R).....	49.15	12.03
28 46 21 17-0782	EA		Square Semi-Flush Extension Ring (Siemens SERS-R).....	39.44	12.03
28 46 21 17-0783	EA		Semi-Flush Plate (Siemens SFPS-R) .....	32.97	12.03
28 46 21 17-0784	EA		Square Surface Backbox (Siemens SHBBS-R) .....	39.44	12.03
28 46 21 17-0785	EA		Horn Adapter Plate (Siemens SHMPS-R).....	37.82	12.03
28 46 21 17-0786	EA		Ceiling Speaker Extension Ring (Siemens SPEXT-R).....	33.78	12.03
28 46 21 17-0787	EA		Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R) .....	43.49	12.03
28 46 21 17-0788	EA		Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSSB-R) .....	45.91	12.03
28 46 21 17-0789	EA		Weatherproof Speaker Backbox (Siemens WBBS-R).....	44.30	12.03
28 46 21 17-0790	EA		Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B).....	49.15	12.03
28 46 21 17-0791	EA		Weatherproof Flush Plate (Siemens WFPAS-R).....	49.15	12.03
28 46 21 17-0792	EA		Weatherproof Horn Flush Plate (Siemens WFPS-R).....	49.15	12.03
28 46 21 17-0793	EA		Weatherproof Horn Backbox (Siemens WPBBS-R).....	45.91	12.03
28 46 21 17-0794	EA		Weatherproof Strobe Backbox (Siemens WPSBBS-R).....	45.91	12.03
28 46 21 17-0795	EA		Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT).....	33.78	12.03
28 46 21 17-0796	EA		Z Series Backbox (Siemens ZBB-R).....	37.82	12.03
<b>28 46 21 17-0797</b>			<b>Door Holders</b> (28 46 21 17-0737)		
28 46 21 17-0798	EA		120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A).....	280.92	36.10
28 46 21 17-0799	EA		24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D) .....	280.92	36.10

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21	17-0800	Voice Equipment (28 46 21 17-0544)			
28 46 21	17-0801	Voicecom (28 46 21 17-0800)			
28 46 21	17-0802	EA Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM) .....	4,291.85		481.31
28 46 21	17-0803	EA Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L) .....	6,759.45		481.31
28 46 21	17-0804	Johnson Controls Fire Alarm (28 46 21 17)			
28 46 21	17-0805	EA Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J) .....	166.52		36.10
28 46 21	17-0806	EA Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J) .....	164.77		36.10
28 46 21	17-0807	EA Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ) .....	204.94		36.10
28 46 21	17-0808	EA Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ) .....	204.39		36.10
28 46 21	17-0809	EA 411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD) .....	557.51		48.13
28 46 21	17-0810	EA Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ) .....	157.56		36.10
28 46 21	17-0811	EA Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J) .....	140.93		36.10
28 46 21	17-0812	EA Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ) .....	137.41		36.10
28 46 21	17-0813	EA Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J) .....	408.38		36.10
28 46 21	17-0814	EA 100 Watts Audio Amplifier At 70.7 VRMS With Built-in Tone Generator, 120 Volt AC (Johnson Controls, Inc. #AA-100) .....	1,977.29		72.19
28 46 21	17-0815	EA AUDIO Amplifier, 100 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-100E) .....	1,915.99		72.19
28 46 21	17-0816	EA 120 Watts Audio Amplifier At 25 VRMS With Built-in Tone Generator, 120 Voltage AC (Johnson Controls, Inc. #AA-120) .....	1,949.06		72.19
28 46 21	17-0817	EA AUDIO Amplifier, 120 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-120E) .....	1,866.50		72.19
28 46 21	17-0818	EA 30 Watts Audio Amplifier At 25 VRMS, 120 Voltage AC (Johnson Controls, Inc. #AA-30) .....	912.68		72.19
28 46 21	17-0819	EA AUDIO Amplifier, 30 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-30E) .....	912.68		72.19
28 46 21	17-0820	EA Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT) .....	909.19		24.07
28 46 21	17-0821	EA IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT) .....	945.58		24.07
28 46 21	17-0822	EA Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A) .....	695.17		24.07
28 46 21	17-0823	EA IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A) .....	695.17		24.07
28 46 21	17-0824	EA Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R) .....	491.04		24.07
28 46 21	17-0825	EA Charger Power Supply - 6 Or 10 Amperes; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610) .....	1,580.84		48.13
28 46 21	17-0826	EA Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT) .....	695.17		24.07
28 46 21	17-0827	EA Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT) .....	722.52		24.07
28 46 21	17-0828	EA Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A) .....	623.39		24.07
28 46 21	17-0829	EA Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A) .....	623.39		24.07
28 46 21	17-0830	EA Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX) .....	106.41		21.66
28 46 21	17-0831	EA Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM) .....	954.85		48.13
28 46 21	17-0832	EA Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS) .....	2,075.70		48.13
28 46 21	17-0833	EA Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM) .....	954.85		48.13
28 46 21	17-0834	EA Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS) .....	2,075.70		48.13
28 46 21	17-0835	EA Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP) .....	38.91		12.03
28 46 21	17-0836	EA Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI) .....	102.77		12.03
28 46 21	17-0837	EA Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB) .....	96.99		12.03
28 46 21	17-0838	EA Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401) .....	41.38		12.03
28 46 21	17-0839	EA Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J) .....	37.28		12.03
28 46 21	17-0840	EA Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100) .....	697.57		48.13
28 46 21	17-0841	EA Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224) .....	1,628.97		72.19
28 46 21	17-0842	EA Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S) .....	1,721.76		72.19
28 46 21	17-0843	EA Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK) .....	191.09		12.03
28 46 21	17-0844	EA Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK) .....	129.24		12.03
28 46 21	17-0845	EA Digital Audio Amplifier, 50 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-5025) .....	1,630.33		72.19
28 46 21	17-0846	EA Digital Audio Amplifier, 50 Watts, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F) .....	1,505.25		72.19
28 46 21	17-0847	EA Digital Audio Amplifier, 50 Watts, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF) .....	1,505.25		72.19
28 46 21	17-0848	EA Digital Audio Amplifier, 50 Watts, 70 VRMS (Johnson Controls, Inc. #DAA-5070) .....	1,765.45		72.19
28 46 21	17-0849	EA Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E) .....	1,628.97		72.19
28 46 21	17-0850	EA Digital Audio Amplifier, 50 Watts, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F) .....	1,628.97		72.19
28 46 21	17-0851	EA Digital Audio Amplifier, 50 Watts, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF) .....	1,628.97		72.19
28 46 21	17-0852	EA Digital Audio Amplifier, 75 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-7525) .....	1,947.09		72.19
28 46 21	17-0853	EA Digital Audio Amplifier, 75 Watts, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F) .....	1,947.09		72.19
28 46 21	17-0854	EA Digital Audio Amplifier, 75 Watts, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF) .....	1,947.09		72.19
28 46 21	17-0855	EA Innovairflex Intelligent. (Johnson Controls, Inc. #DNR) .....	204.09		24.07
28 46 21	17-0856	EA Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW) .....	312.27		24.07
28 46 21	17-0857	EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1) .....	29.11		9.63
28 46 21	17-0858	EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5) .....	31.65		9.63



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21	17-0859	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10) .....	76.46	14.44
28 46 21	17-0860	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3) .....	37.35	9.63
28 46 21	17-0861	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5) .....	46.15	12.03
28 46 21	17-0862	EA	Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO).....	314.10	24.07
28 46 21	17-0863	EA	Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD).....	523.09	48.13
28 46 21	17-0864	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4).....	437.80	72.19
28 46 21	17-0865	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4).....	604.40	72.19
28 46 21	17-0866	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4).....	660.07	72.19
28 46 21	17-0867	EA	Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4) .....	346.22	9.63
28 46 21	17-0868	EA	Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4).....	521.51	9.63
28 46 21	17-0869	EA	Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4).....	573.07	9.63
28 46 21	17-0870	EA	6.0 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S6) .....	703.65	96.26
			Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions		
28 46 21	17-0871	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S8) .....	917.08	96.26
			Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions		
28 46 21	17-0872	EA	80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G).....	868.13	72.19
28 46 21	17-0873	EA	Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS) .....	160.16	12.03
28 46 21	17-0874	EA	Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R) .....	452.68	24.07
28 46 21	17-0875	EA	Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980) .....	241.57	36.10
28 46 21	17-0876	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996) .....	197.69	36.10
28 46 21	17-0877	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998) .....	207.68	36.10
28 46 21	17-0878	EA	Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200) .....	1,657.14	48.13
28 46 21	17-0879	EA	Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S).....	2,023.29	48.13
28 46 21	17-0880	EA	Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J).....	612.18	24.07
28 46 21	17-0881	EA	IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amperes Power Supply, 120 Volt AC, (Johnson Controls, Inc. #IFC-320).....	4,187.46	385.04
			Note: Includes Door, Dress Panel And Back Box, Black		
28 46 21	17-0882	EA	Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG).....	2,041.06	48.13
28 46 21	17-0883	EA	Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI).....	27,053.26	577.57
28 46 21	17-0884	EA	Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F).....	29,527.56	577.57
28 46 21	17-0885	EA	Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP).....	33,239.01	577.57
28 46 21	17-0886	EA	Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W).....	29,527.56	577.57
28 46 21	17-0887	EA	Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B).....	199.61	14.44
28 46 21	17-0888	EA	Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB).....	224.36	14.44
28 46 21	17-0889	EA	Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B).....	244.15	14.44
28 46 21	17-0890	EA	Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B).....	454.47	14.44
28 46 21	17-0891	EA	Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB) .....	147.91	9.63
28 46 21	17-0892	EA	Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black. (Johnson Controls, Inc. #JABS-2D) .....	231.78	21.66
28 46 21	17-0893	EA	Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red. (Johnson Controls, Inc. #JABS-2DR).....	245.97	21.66
28 46 21	17-0894	EA	Surface (or Semi-flush) Mount INA, ACS, Or SCS Backbox, Black. (Johnson Controls, Inc. #JABS-4D).....	449.10	21.66
28 46 21	17-0895	EA	Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4).....	446.08	9.63
28 46 21	17-0896	EA	Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4).....	600.72	9.63
28 46 21	17-0897	EA	Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4).....	742.99	9.63
28 46 21	17-0898	EA	Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX).....	212.26	24.07
28 46 21	17-0899	EA	Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4).....	98.82	9.63
28 46 21	17-0900	EA	JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D).....	4,178.10	385.04
28 46 21	17-0901	EA	Central Processing Unit For The JCPU2-640 With Integral 120 Volt AC Power Supply (Johnson Controls, Inc. #JCPU2-640) .....	3,017.98	288.78
			Note: Includes CHS2-M2 Chassis		
28 46 21	17-0902	EA	Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D).....	5,406.34	385.04
28 46 21	17-0903	EA	Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640) .....	5,179.86	288.78
28 46 21	17-0904	EA	Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E) .....	3,745.03	288.78
28 46 21	17-0905	EA	Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM).....	2,030.98	36.10
28 46 21	17-0906	EA	Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF).....	2,051.63	36.10
28 46 21	17-0907	EA	Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF).....	2,051.63	36.10
28 46 21	17-0908	EA	Annunciator, Network Control. (Johnson Controls, Inc. #JNCA).....	2,428.92	48.13
28 46 21	17-0909	EA	Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. Mounting Options Include: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D). (Johnson Controls, Inc. #JNCA-2).....	2,059.61	48.13
28 46 21	17-0910	EA	Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP).....	1,814.73	288.78
28 46 21	17-0911	EA	160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160).....	1,465.32	48.13
28 46 21	17-0912	EA	80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80) .....	1,206.70	48.13
28 46 21	17-0913	EA	Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320).....	1,937.62	48.13

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21	17-0914	EA	Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32).....	599.33	12.03
28 46 21	17-0915	EA	Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24).....	193.67	9.63
28 46 21	17-0916	EA	Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48).....	238.21	9.63
28 46 21	17-0917	EA	Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32).....	483.07	12.03
28 46 21	17-0918	EA	Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32).....	885.13	12.03
28 46 21	17-0919	EA	Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320).....	1,602.39	12.03
28 46 21	17-0920	EA	Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ).....	127.23	12.03
28 46 21	17-0921	EA	Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ).....	201.71	12.03
28 46 21	17-0922	EA	Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ).....	100.25	12.03
28 46 21	17-0923	EA	Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ).....	139.98	12.03
28 46 21	17-0924	EA	Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devices. (Johnson Controls, Inc. #M301MJ).....	110.68	12.03
28 46 21	17-0925	EA	Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ).....	179.40	12.03
28 46 21	17-0926	EA	Addressable Firephone Control Module With FlashScan. (Johnson Controls, Inc. #M500FPJ).....	204.35	12.03
28 46 21	17-0927	EA	SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ).....	115.99	12.03
28 46 21	17-0928	EA	Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W).....	1,695.33	36.10
28 46 21	17-0929	EA	Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F).....	1,506.72	24.07
28 46 21	17-0930	EA	Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W).....	1,392.91	24.07
28 46 21	17-0931	EA	Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO).....	52.93	4.81
28 46 21	17-0932	EA	Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-F).....	1,218.98	24.07
28 46 21	17-0933	EA	Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-W).....	1,160.92	24.07
28 46 21	17-0934	EA	NFV-25/50. (Johnson Controls, Inc. #NFV-25/50).....	2,961.93	48.13
28 46 21	17-0935	EA	NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U).....	824.33	24.07
28 46 21	17-0936	EA	Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S).....	225.84	9.63
28 46 21	17-0937	EA	Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1).....	521.97	24.07
28 46 21	17-0938	EA	Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA).....	521.97	24.07
28 46 21	17-0939	EA	Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1).....	140.50	9.63
28 46 21	17-0940	EA	SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB).....	37.61	4.81
28 46 21	17-0941	EA	SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC).....	37.61	4.81
28 46 21	17-0942	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCR).....	146.43	36.10
28 46 21	17-0943	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCRH).....	163.74	36.10
28 46 21	17-0944	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK).....	193.17	40.91
28 46 21	17-0945	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK).....	190.68	40.91
28 46 21	17-0946	EA	Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8).....	1,255.25	96.26
28 46 21	17-0947	EA	Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L).....	983.06	96.26
28 46 21	17-0948	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW).....	146.43	36.10
28 46 21	17-0949	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCWH).....	163.74	36.10
28 46 21	17-0950	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW-P).....	146.43	36.10
28 46 21	17-0951	EA	Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500).....	27.11	9.63
28 46 21	17-0952	EA	SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON).....	29.49	4.81
28 46 21	17-0953	EA	SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP).....	33.46	4.81
28 46 21	17-0954	EA	SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS).....	29.52	4.81
28 46 21	17-0955	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR).....	134.49	36.10
28 46 21	17-0956	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH).....	163.74	36.10
28 46 21	17-0957	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK).....	193.17	40.91
28 46 21	17-0958	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH-P).....	163.74	36.10
28 46 21	17-0959	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK).....	190.68	40.91
28 46 21	17-0960	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR-P).....	146.43	36.10
28 46 21	17-0961	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW).....	146.43	36.10
28 46 21	17-0962	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH).....	163.74	36.10
28 46 21	17-0963	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH-P).....	163.74	36.10
28 46 21	17-0964	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW-P).....	146.43	36.10
28 46 21	17-0965	EA	Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1).....	196.02	12.03
28 46 21	17-0966	EA	Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT).....	864.20	48.13
28 46 21	17-0967	EA	Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi (Johnson Controls, Inc. #SPSCW).....	216.14	48.13
28 46 21	17-0968	EA	Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW).....	93.03	24.07
28 46 21	17-0969	EA	Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV).....	93.03	24.07
28 46 21	17-0970	EA	Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR).....	168.01	24.07
28 46 21	17-0971	EA	Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH).....	182.36	24.07
28 46 21	17-0972	EA	Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRHV).....	182.36	24.07
28 46 21	17-0973	EA	Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV).....	162.32	24.07
28 46 21	17-0974	EA	Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D (Johnson Controls, Inc. #SPSWK).....	219.74	24.07
28 46 21	17-0975	EA	Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW).....	168.01	24.07
28 46 21	17-0976	EA	Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW).....	93.03	24.07
28 46 21	17-0977	EA	Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR).....	93.03	24.07
28 46 21	17-0978	EA	Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH).....	182.36	24.07
28 46 21	17-0979	EA	Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR).....	168.01	24.07
28 46 21	17-0980	EA	Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV).....	168.01	24.07

28 46 21 17-0981 Honeywell Fire Alarm (28 46 21 17)

28 46 21 17-0982 Notifier Fire Alarm (28 46 21 17-0981)

28 46 21 17-0983 Fire Alarm Control Panel And Accessories (28 46 21 17-0982)

28 46 21	17-0984	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D).....	4,253.24	481.31
28 46 21	17-0985	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640).....	3,578.39	481.31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0986	EA		Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320).....	4,245.30	481.31
28 46 21 17-0987	EA		Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C).....	4,214.46	481.31
28 46 21 17-0988	EA		Black, 240 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E).....	4,115.61	481.31
28 46 21 17-0989	EA		Red, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R).....	4,021.21	481.31
28 46 21 17-0990	EA		Two-Tone Sequential Module (Notifier 2TTM).....	255.50	24.07
28 46 21 17-0991	EA		5', Not Low Loss, Antenna Cable (Notifier 7626-5C).....	63.89	4.81
28 46 21 17-0992	EA		25', Low Loss, Antenna Cable (Notifier 7626-25HC).....	122.56	9.63
28 46 21 17-0993	EA		50', Low Loss, Antenna Cable (Notifier 7626-50HC).....	186.08	14.44
28 46 21 17-0994	EA		IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P).....	288.38	
28 46 21 17-0995	EA		RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119).....	53.58	
28 46 21 17-0996	EA		120 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS).....	3,946.89	481.31
28 46 21 17-0997	EA		240 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE).....	3,983.31	481.31
28 46 21 17-0998	EA		3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB).....	156.05	4.81
28 46 21 17-0999	EA		Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER).....	49.02	4.81
28 46 21 17-1000	EA		Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT).....	70.35	9.63
28 46 21 17-1001	EA		Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT).....	70.15	12.03
28 46 21 17-1002	EA		IP Communicator (Notifier IPDACT-2).....	508.95	24.07
28 46 21 17-1003	EA		IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD).....	589.22	24.07
28 46 21 17-1004	EA		Red, IP Communicator External Mounting Enclosure (Notifier IPENC).....	143.27	24.07
			Note: Includes IPBRKT.		
28 46 21 17-1005	EA		Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B).....	142.90	24.07
			Note: Includes IPBRKT		
28 46 21 17-1006	EA		Dual 8TPC To Single 8TPC "Y" Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT).....	37.61	9.63
28 46 21 17-1007	EA		Loop Control Module (Notifier LCM-320).....	1,427.44	48.13
28 46 21 17-1008	EA		Loop Expander Module (Notifier LEM-320).....	1,165.07	48.13
28 46 21 17-1009	EA		Keyboard Display Module For CPU2-640 (Notifier KDM-R2).....	1,087.81	48.13
28 46 21 17-1010	EA		7' DACT Phone Cord (Notifier MCBL-7).....	18.33	
28 46 21 17-1011	EA		Backbox For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1).....	147.82	12.03
28 46 21 17-1012	EA		Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R).....	171.88	24.07
28 46 21 17-1013	EA		Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B).....	171.88	24.07
28 46 21 17-1014	EA		Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2).....	648.25	24.07
28 46 21 17-1015	EA		Universal Zone Coder (Notifier UZC-256).....	902.54	24.07
28 46 21 17-1016	EA		Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI).....	281.72	
			Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.		
28 46 21 17-1017	EA		Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD).....	656.92	
28 46 21 17-1018	EA		ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD).....	424.72	
28 46 21 17-1019	EA		Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS).....	4,004.26	14.44
<b>28 46 21 17-1020</b>			<b>ONYX Cabinets</b> <small>(28 46 21 17-0982)</small>		
28 46 21 17-1021	EA		Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R).....	433.76	12.03
28 46 21 17-1022	EA		Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R).....	581.11	12.03
28 46 21 17-1023	EA		Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R).....	717.30	12.03
28 46 21 17-1024	EA		Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4).....	90.57	14.44
28 46 21 17-1025	EA		Chassis Bridge (Notifier CB-1).....	81.86	12.03
28 46 21 17-1026	EA		Four Position Chassis (Notifier CHS-4).....	134.44	12.03
28 46 21 17-1027	EA		Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2).....	152.22	24.07
28 46 21 17-1028	EA		Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B).....	80.54	14.44
28 46 21 17-1029	EA		Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP).....	100.79	14.44
28 46 21 17-1030	EA		One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4).....	273.96	24.07
28 46 21 17-1031	EA		One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B).....	177.81	24.07
28 46 21 17-1032	EA		Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4).....	349.19	36.10
28 46 21 17-1033	EA		Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B).....	221.27	36.10
28 46 21 17-1034	EA		Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4).....	518.81	48.13
28 46 21 17-1035	EA		Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B).....	323.86	48.13
28 46 21 17-1036	EA		Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4).....	630.21	60.17
28 46 21 17-1037	EA		Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B).....	377.91	60.17
28 46 21 17-1038	EA		Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4).....	209.89	12.03
28 46 21 17-1039	EA		Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B).....	145.96	12.03
28 46 21 17-1040	EA		Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR).....	145.96	12.03
28 46 21 17-1041	EA		Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R).....	213.60	12.03
28 46 21 17-1042	EA		Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR).....	163.80	12.03
28 46 21 17-1043	EA		Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R).....	269.35	12.03
28 46 21 17-1044	EA		Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR).....	185.73	12.03
28 46 21 17-1045	EA		Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R).....	319.89	12.03
28 46 21 17-1046	EA		Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR).....	264.89	12.03
28 46 21 17-1047	EA		Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R).....	472.26	12.03
28 46 21 17-1048	EA		Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR).....	296.10	12.03
28 46 21 17-1049	EA		Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R).....	564.42	12.03
28 46 21 17-1050	EA		Black, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4).....	279.28	24.07
28 46 21 17-1051	EA		Black, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4).....	407.12	24.07
28 46 21 17-1052	EA		Black, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4).....	475.50	24.07
28 46 21 17-1053	EA		Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4).....	291.92	24.07
28 46 21 17-1054	EA		Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4).....	435.37	24.07
28 46 21 17-1055	EA		Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4).....	506.72	24.07
28 46 21 17-1056	EA		Red, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4R).....	281.51	24.07
28 46 21 17-1057	EA		Red, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4R).....	407.12	24.07
28 46 21 17-1058	EA		Red, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4R).....	481.45	24.07
28 46 21 17-1059	EA		Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R).....	305.30	24.07
28 46 21 17-1060	EA		Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R).....	435.37	24.07
28 46 21 17-1061	EA		Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R).....	506.72	24.07
28 46 21 17-1062	EA		Backbox With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC).....	2,727.53	120.32

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21 17-1063	EA	CAB-4 Series Mounting Kit (Notifier P40-KITB) ..... Note: Includes chassis, hinged dress plate, and mounting hardware.	262.93		24.07
28 46 21 17-1064	EA	Black, One Tier Backbox Assembly (Notifier SBB-A4).....	294.36		72.19
28 46 21 17-1065	EA	Black, Two Tier Backbox Assembly (Notifier SBB-B4).....	413.95		96.26
28 46 21 17-1066	EA	Black, Three Tier Backbox Assembly (Notifier SBB-C4).....	533.04		96.26
28 46 21 17-1067	EA	Black, Four Tier Backbox Assembly (Notifier SBB-D4).....	649.97		120.32
28 46 21 17-1068	EA	Black, Mini, One Tier, Backbox (Notifier SBB-AA4).....	169.28		24.07
28 46 21 17-1069	EA	Red, Mini, One Tier, Backbox (Notifier SBB-AA4R).....	169.28		24.07
28 46 21 17-1070	EA	Red, One Tier Backbox Assembly (Notifier SBB-A4R).....	203.47		24.07
28 46 21 17-1071	EA	Red, Two Tier Backbox Assembly (Notifier SBB-B4R).....	278.54		24.07
28 46 21 17-1072	EA	Red, Three Tier Backbox Assembly (Notifier SBB-C4R).....	402.67		24.07
28 46 21 17-1073	EA	Red, Four Tier Backbox Assembly (Notifier SBB-D4R).....	474.02		24.07
28 46 21 17-1074	EA	Trim Ring For NFS-320 Cabinet (Notifier TR-320).....	159.32		14.44
28 46 21 17-1075	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R).....	159.32		14.44
28 46 21 17-1076	EA	Black, "AA" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4).....	212.47		14.44
28 46 21 17-1077	EA	Black, "A" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4).....	169.36		14.44
28 46 21 17-1078	EA	Black, "B" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4).....	170.47		14.44
28 46 21 17-1079	EA	Black, "C" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4).....	168.61		14.44
28 46 21 17-1080	EA	Black, "D" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4).....	172.70		14.44
28 46 21 17-1081	EA	2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Backbox (Notifier VP-2B).....	65.60		14.44
28 46 21 17-1082	EA	Wire Trays For Routing Wire In A CAB-4 Series Backbox (Notifier WC-2).....	43.23		4.81
<b>28 46 21 17-1083</b>		<b>NFS2-3030/640 Cabinet Mechanicals</b> (28 46 21 17-0982)			
28 46 21 17-1084	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640).....	93.28		14.44
28 46 21 17-1085	EA	Blank Module Dress Plate (Notifier BM-1B).....	78.28		14.44
28 46 21 17-1086	EA	Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4).....	87.98		14.44
28 46 21 17-1087	EA	Four Position Expansion Chassis (Notifier CHS-4MB).....	206.17		12.03
28 46 21 17-1088	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3).....	199.22		36.10
28 46 21 17-1089	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2).....	96.81		14.44
<b>28 46 21 17-1090</b>		<b>NFS-3030/640 Cabinet Mechanicals</b> (28 46 21 17-0982)			
28 46 21 17-1091	EA	Annunciator Dress Plate (Notifier ADP-4B).....	88.87		14.44
28 46 21 17-1092	EA	Blank Module Dress Plate (Notifier BMP-1).....	57.99		14.44
28 46 21 17-1093	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L).....	127.08		24.07
28 46 21 17-1094	EA	Module Dress Plate (Notifier MP-1B).....	89.75		14.44
<b>28 46 21 17-1095</b>		<b>Battery Cabinets</b> (28 46 21 17-0982)			
28 46 21 17-1096	EA	Six Position Chassis (Notifier CHS-6).....	85.45		24.07
28 46 21 17-1097	EA	Black, 24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB).....	403.75		72.19
<b>28 46 21 17-1098</b>		<b>Digital Voice</b> (28 46 21 17-0982)			
28 46 21 17-1099	EA	Chassis Used With BB-XP (Notifier 18439).....	43.02		12.03
28 46 21 17-1100	EA	220 Volt AC, 100 Watt, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E).....	1,842.89		36.10
28 46 21 17-1101	EA	220 Volt AC, 120 Watt, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E).....	1,791.18		36.10
28 46 21 17-1102	EA	220 Volt AC, 30 Watt, 25 VRMS Audio Amplifier (Notifier AA-30E).....	902.02		36.10
28 46 21 17-1103	EA	Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4).....	395.94		36.10
28 46 21 17-1104	EA	Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4).....	536.46		48.13
28 46 21 17-1105	EA	Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4).....	668.14		60.17
28 46 21 17-1106	EA	Multimode Audio Fiber Link Receiver (Notifier AFL-RM).....	783.03		24.07
28 46 21 17-1107	EA	Multimode Audio Fiber Link Transmitter (Notifier AFL-TM).....	783.03		24.07
28 46 21 17-1108	EA	Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS).....	1,676.43		24.07
28 46 21 17-1109	EA	15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Backbox (Notifier AFAWS-BX).....	84.83		12.03
28 46 21 17-1110	EA	Flush Mounted, Key Lock, Door (Notifier AFAWS-KR).....	140.02		12.03
28 46 21 17-1111	EA	Surface Mounted, Key Lock, Door (Notifier AFAWS-KS).....	140.76		12.03
28 46 21 17-1112	EA	Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR).....	136.30		12.03
28 46 21 17-1113	EA	Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS).....	137.79		12.03
28 46 21 17-1114	EA	Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA).....	276.04		12.03
28 46 21 17-1115	EA	Coil Cord, Telephone Chassis (Notifier AFAWS-TELC).....	212.11		12.03
28 46 21 17-1116	EA	Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B).....	86.93		
28 46 21 17-1117	EA	For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V).....	467.71		24.07
28 46 21 17-1118	EA	For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V).....	471.95		24.07
28 46 21 17-1119	EA	Blank Dress Plate For CA-2 (Notifier BP-CA2).....	83.72		12.03
28 46 21 17-1120	EA	One Tier Chassis For Digital Voice Command Panel (Notifier CA-1).....	1,111.65		24.07
28 46 21 17-1121	EA	Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2).....	331.55		36.10
28 46 21 17-1122	EA	Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM).....	168.17		24.07
28 46 21 17-1123	EA	Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR).....	168.17		24.07
28 46 21 17-1124	EA	Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1).....	209.89		12.03
28 46 21 17-1125	EA	Chassis With Paging Microphone With Well (Notifier CMIC-1).....	207.66		12.03
28 46 21 17-1126	EA	120 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025).....	1,316.68		24.07
28 46 21 17-1127	EA	Multi-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F).....	1,329.67		24.07
28 46 21 17-1128	EA	Single-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF).....	1,329.67		24.07
28 46 21 17-1129	EA	120 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070).....	1,359.02		24.07
28 46 21 17-1130	EA	Multi-Mode Fiber-Optic Media 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F).....	1,446.17		24.07
28 46 21 17-1131	EA	120 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525).....	1,411.07		24.07
28 46 21 17-1132	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	1,737.43		24.07
28 46 21 17-1133	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	1,737.43		24.07
28 46 21 17-1134	EA	220-240 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E).....	1,498.42		24.07
28 46 21 17-1135	EA	220-240 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E).....	1,540.81		24.07
28 46 21 17-1136	EA	220-240 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E).....	1,606.92		24.07
28 46 21 17-1137	EA	120 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525).....	1,017.82		24.07
28 46 21 17-1138	EA	220-240 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E).....	1,044.94		24.07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1139	EA		120 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570) .....	1,069.52	24.07
28 46 21 17-1140	EA		220-240 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E).....	1,105.12	24.07
28 46 21 17-1141	EA		120 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025) .....	1,112.75	24.07
28 46 21 17-1142	EA		220-240 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E).....	1,145.81	24.07
28 46 21 17-1143	EA		120 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070) .....	1,178.87	24.07
28 46 21 17-1144	EA		220-240 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E).....	1,238.20	24.07
28 46 21 17-1145	EA		Dress Plate For CFFT-1 (Notifier DP-CFFT).....	96.35	12.03
28 46 21 17-1146	EA		Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1) .....	84.46	14.44
28 46 21 17-1147	EA		Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4).....	96.81	14.44
28 46 21 17-1148	EA		Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B) .....	162.97	14.44
28 46 21 17-1149	EA		WPS Power Amplifier (Notifier DPA3204P) .....	555.01	24.07
28 46 21 17-1150	EA		WPS Power Amplifier (Notifier DPA4001P) .....	467.71	24.07
28 46 21 17-1151	EA		Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232) .....	1,057.66	24.07
28 46 21 17-1152	EA		120 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMP).....	790.65	24.07
			Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V .....		
28 46 21 17-1153	EA		220-240 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMPE) .....	799.98	24.07
			Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V .....		
28 46 21 17-1154	EA		Digital Series Distribution Board, Supports One To Four DS-AMP Or DS-AMPE (Notifier DS-DB) .....	1,333.98	24.07
28 46 21 17-1155	EA		125 Watt, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watt Amplifier With A DS-XF70V) (Notifier DS-BDA).....	518.56	24.07
28 46 21 17-1156	EA		Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM) .....	247.32	24.07
28 46 21 17-1157	EA		Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM).....	247.32	24.07
28 46 21 17-1158	EA		Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM).....	247.32	24.07
28 46 21 17-1159	EA		Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watt, DS Series Transformer (Notifier DS-XF70V) .....	110.01	24.07
28 46 21 17-1160	EA		Analog Output Board For Digital Voice Command (Notifier DVC-AO) .....	237.79	24.07
28 46 21 17-1161	EA		Extended Memory For Digital Voice Command (Notifier DVC-EM) .....	1,327.26	24.07
28 46 21 17-1162	EA		Keypad For Digital Voice Command (Notifier DVC-KD).....	400.61	48.13
28 46 21 17-1163	EA		Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE) .....	191.73	
28 46 21 17-1164	EA		Portable Fireman's Telephone Handset (Notifier FHS) .....	115.54	
28 46 21 17-1165	EA		Red, Fireman's Telephone Handset (Notifier FHS-F) .....	133.75	
28 46 21 17-1166	EA		Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R).....	338.00	24.07
28 46 21 17-1167	EA		Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S).....	338.00	24.07
28 46 21 17-1168	EA		Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ) .....	56.21	7.22
28 46 21 17-1169	EA		Paging Microphone Only (Notifier MIC-1) .....	163.69	24.07
28 46 21 17-1170	EA		Firefighter's Telephone Handset (Notifier TELH-1).....	131.90	
28 46 21 17-1171	EA		Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1).....	391.29	24.07
28 46 21 17-1172	EA		Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA).....	391.29	24.07
<b>28 46 21 17-1173</b>			<b>Amplifiers</b> (28 46 21 17-0982)		
28 46 21 17-1174	EA		30 Watt Audio Amplifier At 25 VRMS, 120 Volt AC (Notifier AA-30) .....	744.15	24.07
28 46 21 17-1175	EA		100 Watt Audio Amplifier At 70.7 VRMS, 120 Volt AC, Tone Generator (Notifier AA-100) .....	1,613.08	24.07
28 46 21 17-1176	EA		120 Watt Audio Amplifier At 25 VRMS, 120 Volt AC, Tone Generator (Notifier AA-120).....	1,567.21	24.07
28 46 21 17-1177	EA		Audio Coupling Transformer (Notifier ACT-1) .....	121.35	24.07
28 46 21 17-1178	EA		Audio Coupling Transformer For DVC-AO (Notifier ACT-4) .....	140.76	24.07
28 46 21 17-1179	EA		Audio Coupling Transformer For DAA-5025 (Notifier ACT-25) .....	140.76	24.07
28 46 21 17-1180	EA		Audio Coupling Transformer For DAA-5070 (Notifier ACT-70) .....	140.76	24.07
<b>28 46 21 17-1181</b>			<b>FireVoice-25/50 Emergency Voice Evacuation Control Panels</b> (28 46 21 17-0982)		
28 46 21 17-1182	EA		25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50) .....	3,648.01	481.31
28 46 21 17-1183	EA		Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA).....	2,593.65	481.31
28 46 21 17-1184	EA		Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS) .....	3,350.93	481.31
28 46 21 17-1185	EA		Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS).....	4,341.20	481.31
28 46 21 17-1186	EA		Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST) .....	4,795.57	481.31
<b>28 46 21 17-1187</b>			<b>System Printer</b> (28 46 21 17-0982)		
28 46 21 17-1188	EA		80 Column, 120 Volt AC, Desktop Printer (Notifier PRN-6).....	1,602.50	24.07
<b>28 46 21 17-1189</b>			<b>Batteries</b> (28 46 21 17-0982)		
28 46 21 17-1190	EA		5 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1250-BP).....	435.37	24.07
28 46 21 17-1191	EA		7 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1270-BP).....	349.83	24.07
28 46 21 17-1192	EA		12 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12120-BP).....	457.45	24.07
28 46 21 17-1193	EA		18 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12180-BP).....	270.43	24.07
28 46 21 17-1194	EA		26 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12260-BP).....	374.53	24.07
28 46 21 17-1195	EA		55 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-12550) .....	373.65	24.07
28 46 21 17-1196	EA		100 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-121000) .....	589.60	24.07
<b>28 46 21 17-1197</b>			<b>Battery Backboxes And Miscellaneous Mechanicals</b> (28 46 21 17-0982)		
28 46 21 17-1198	EA		14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Backbox (Notifier BB-17).....	123.61	19.25
28 46 21 17-1199	EA		24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25).....	203.51	19.25
			Note: XP6 modules require a CHS-6 .....		
28 46 21 17-1200	EA		15.6" x 15.5" x 5.152", Mounts Up To Two 26 Ampere Hours And Charger, Battery Backbox (Notifier BB-26).....	331.91	96.26
28 46 21 17-1201	EA		Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH) .....	165.01	48.13
28 46 21 17-1202	EA		Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH1) .....	88.36	12.03
28 46 21 17-1203	EA		Battery Bracket For Two 26 Ampere Hours Batteries (Notifier SEISKIT-BB25) .....	238.33	19.25
28 46 21 17-1204	EA		Two 26 Ampere Hours Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB) .....	163.38	19.25
28 46 21 17-1205	EA		Two 12 Ampere Hours Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA) .....	180.84	19.25
28 46 21 17-1206	EA		Two 55 Ampere Hours Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB) .....	192.36	19.25

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
<b>28 46 21 17-1207 Power Supplies And Chargers (28 46 21 17-0982)</b>					
28 46 21 17-1208	EA	120 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610).....	1,240.22		36.10
28 46 21 17-1209	EA	220/240 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610E) .....	1,301.25		36.10
28 46 21 17-1210	EA	Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24) .....	1,132.30		24.07
28 46 21 17-1211	EA	6A Auxiliary Power Supply (Notifier APS-6R) .....	715.69		24.07
28 46 21 17-1212	EA	10 Amperes Battery Charger (Notifier BC10A).....	781.26		36.10
28 46 21 17-1213	EA	33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100).....	431.62		28.88
Note: Holds four 55 ampere hour or two 100 ampere hour batteries					
28 46 21 17-1214	EA	Red, 33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100R).....	436.82		28.88
Note: Holds four 55 ampere hour or two 100 ampere hour batteries					
28 46 21 17-1215	EA	30.34" x 36.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS2-3030 (Notifier BB-200).....	731.63		28.88
Note: Holds four 55 ampere hour or four 100 ampere hour batteries					
28 46 21 17-1216	EA	30.34" x 36.5" x 7.5", Holds Four 55 Ampere Hours Or Four 100 Ampere Hours Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R).....	731.63		28.88
28 46 21 17-1217	EA	15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1) .....	155.16		24.07
28 46 21 17-1218	EA	25 To 120 Ampere Hours Battery Charger (Notifier CHG-120) .....	874.71		24.07
28 46 21 17-1219	EA	Mounts XPIQ-Ps And/Or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS) .....	70.15		12.03
28 46 21 17-1220	EA	Door Used For Mounting ACPS-610 (E) In A CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1).....	108.43		12.03
28 46 21 17-1221	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8).....	582.72		24.07
28 46 21 17-1222	EA	8.0 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8E) .....	730.95		72.19
28 46 21 17-1223	EA	Red, 8 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8R) .....	699.59		72.19
28 46 21 17-1224	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPPF8) .....	808.93		72.19
28 46 21 17-1225	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPPF8E).....	802.15		72.19
28 46 21 17-1226	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPPF8CM) .....	780.81		36.10
28 46 21 17-1227	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPPF8CME).....	780.81		36.10
28 46 21 17-1228	EA	12 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPPF12) .....	968.13		36.10
28 46 21 17-1229	EA	12 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPPF12E) .....	924.91		36.10
28 46 21 17-1230	EA	12 Amperes, 24 Volt DC, 120 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPPF12CM) .....	982.54		72.19
28 46 21 17-1231	EA	12 Amperes, 24 Volt DC, 220 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPPF12CME).....	982.54		72.19
28 46 21 17-1232	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6) .....	684.33		72.19
28 46 21 17-1233	EA	6 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6E).....	684.33		72.19
28 46 21 17-1234	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8) .....	738.58		72.19
28 46 21 17-1235	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8E) .....	738.58		72.19
28 46 21 17-1236	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA).....	593.63		72.19
28 46 21 17-1237	EA	9 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA).....	699.59		72.19
28 46 21 17-1238	EA	Class A Adapter HPPF8/HPPF12 (Notifier HPP31076).....	150.37		12.03
28 46 21 17-1239	EA	Up To 3 Amperes, Main Power Supply And Charger (Notifier MPS-24A).....	1,038.41		24.07
28 46 21 17-1240	EA	Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4).....	153.67		24.07
<b>28 46 21 17-1241 Network Control Annunciators (28 46 21 17-0982)</b>					
28 46 21 17-1242	EA	Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2).....	1,599.95		72.19
28 46 21 17-1243	EA	Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO) .....	65.05		14.44
28 46 21 17-1244	EA	Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit) .....	48.29		14.44
<b>28 46 21 17-1245 FIRSTVISION Firefighter's Display (28 46 21 17-0982)</b>					
28 46 21 17-1246	EA	ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD).....	12,511.14		481.31
<b>28 46 21 17-1247 FlashScan Addressable Modules (28 46 21 17-0982)</b>					
28 46 21 17-1248	EA	Intelligent Addressable Control Module (Notifier FCM-1) .....	144.29		24.07
28 46 21 17-1249	EA	Addressable Dual Monitor Module (Notifier FDM-1).....	160.16		24.07
28 46 21 17-1250	EA	Intelligent Addressable Monitor Module (Notifier FMM-1) .....	121.35		24.07
28 46 21 17-1251	EA	Intelligent Addressable Miniature Monitor Module (Notifier FMM-101).....	109.00		24.07
28 46 21 17-1252	EA	Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20) .....	215.74		24.07
28 46 21 17-1253	EA	Intelligent Addressable Relay Module (Notifier FRM-1) .....	130.82		24.07
28 46 21 17-1254	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1) .....	179.57		24.07
28 46 21 17-1255	EA	SLC Loop Powered Fault Isolator Module (Notifier ISO-X) .....	119.59		24.07
<b>28 46 21 17-1256 Addressable Device Bases And Accessories (28 46 21 17-0982)</b>					
28 46 21 17-1257	EA	Intelligent Detector Base With Flange (Notifier B710LP).....	46.21		12.03
28 46 21 17-1258	EA	Weatherproof Device Housing (Notifier DH4000E-1) .....	357.77		24.07
<b>28 46 21 17-1259 XP6/XP10 Transponder (28 46 21 17-0982)</b>					
28 46 21 17-1260	EA	Synchronization Daughter Module For XP6-C (Notifier SYNC-1).....	108.56		24.07
28 46 21 17-1261	EA	Six Circuit Supervised Control Module (Notifier XP6-C).....	510.38		24.07
28 46 21 17-1262	EA	Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA).....	616.24		24.07
28 46 21 17-1263	EA	Six Relay Control Module (Notifier XP6-R) .....	490.97		24.07
28 46 21 17-1264	EA	Ten Input Monitor Module (Notifier XP10-M).....	589.78		24.07
<b>28 46 21 17-1265 LCD Display Annunciators (28 46 21 17-0982)</b>					
28 46 21 17-1266	EA	80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80) .....	669.28		72.19
28 46 21 17-1267	EA	80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80).....	929.51		72.19
28 46 21 17-1268	EA	640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160).....	961.27		72.19
28 46 21 17-1269	EA	8 To 16 Switch Smoke Control Expander (Notifier SCE-8) .....	615.98		24.07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1270	EA		8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L).....	329.83	24.07
28 46 21 17-1271	EA		Eight Switch Smoke Control Master Module (Notifier SCS-8).....	795.85	24.07
<b>28 46 21 17-1272</b>			<b>ONYX ACM And AEM Series LED Annunciators (28 46 21 17-0982)</b>		
28 46 21 17-1273	EA		Remote, Eight Form C Relay Module (Notifier ACM-8R).....	355.84	24.07
28 46 21 17-1274	EA		16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT).....	673.58	24.07
28 46 21 17-1275	EA		16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT).....	517.44	24.07
28 46 21 17-1276	EA		24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT).....	673.58	24.07
28 46 21 17-1277	EA		24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT).....	517.44	24.07
28 46 21 17-1278	EA		32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A).....	517.44	24.07
28 46 21 17-1279	EA		32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A).....	464.51	24.07
28 46 21 17-1280	EA		48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A).....	517.44	24.07
28 46 21 17-1281	EA		48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A).....	464.51	24.07
<b>28 46 21 17-1282</b>			<b>Graphic Annunciator - Lamp Driver Modules (28 46 21 17-0982)</b>		
28 46 21 17-1283	EA		Single Annunciator Flush Mounted Backbox (Notifier ABF-1B).....	225.06	48.13
28 46 21 17-1284	EA		Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB).....	243.58	48.13
28 46 21 17-1285	EA		Two Annunciator Flush Mounted Backbox (Notifier ABF-2B).....	281.76	60.17
28 46 21 17-1286	EA		Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB).....	305.57	60.17
28 46 21 17-1287	EA		Four Annunciator Flush Mounted Backbox (Notifier ABF-4B).....	487.80	84.22
28 46 21 17-1288	EA		Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1).....	86.66	14.44
28 46 21 17-1289	EA		Single Annunciator Surface Mounted Backbox (Notifier ABS-1B).....	149.63	48.13
28 46 21 17-1290	EA		Single Annunciator Surface Mounted Backbox With Trim (Notifier ABS-1TB).....	145.75	12.03
28 46 21 17-1291	EA		Two Annunciator Surface Mounted Backbox (Notifier ABS-2B).....	183.59	48.13
28 46 21 17-1292	EA		12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D).....	317.92	60.17
28 46 21 17-1293	EA		Red, Surface (Or Semi-Flush) Mounted Backbox For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR).....	274.13	12.03
28 46 21 17-1294	EA		Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D).....	511.62	84.22
28 46 21 17-1295	EA		Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4DR).....	463.13	14.44
28 46 21 17-1296	EA		Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Backbox (Notifier ABS-8RB).....	175.82	19.25
28 46 21 17-1297	EA		Annunciator Key Switch (Notifier AKS-1B).....	77.80	7.22
28 46 21 17-1298	EA		Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D).....	85.62	24.07
28 46 21 17-1299	EA		32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32).....	464.51	24.07
28 46 21 17-1300	EA		24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24).....	134.13	4.81
28 46 21 17-1301	EA		48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48).....	167.57	4.81
28 46 21 17-1302	EA		32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32).....	384.23	24.07
28 46 21 17-1303	EA		Lamp Driver Module (Notifier LDM-R32).....	653.89	24.07
28 46 21 17-1304	EA		Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L).....	607.06	24.07
28 46 21 17-1305	EA		48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48).....	172.03	4.81
28 46 21 17-1306	EA		Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D).....	157.84	14.44
28 46 21 17-1307	EA		Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D).....	105.91	14.44
28 46 21 17-1308	EA		Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR).....	105.91	14.44
<b>28 46 21 17-1309</b>			<b>Network Gateways (28 46 21 17-0982)</b>		
28 46 21 17-1310	EA		Common Alerting Protocol Gateway (Notifier CAP-GW).....	2,675.78	24.07
28 46 21 17-1311	EA		Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF).....	1,990.90	24.07
28 46 21 17-1312	EA		Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF).....	2,243.49	24.07
28 46 21 17-1313	EA		Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF).....	2,472.35	24.07
28 46 21 17-1314	EA		Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W).....	2,008.70	24.07
28 46 21 17-1315	EA		Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF).....	1,954.45	24.07
28 46 21 17-1316	EA		Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF).....	2,201.11	24.07
28 46 21 17-1317	EA		Modbus Gateway (Notifier MODBUS-GW).....	2,192.63	24.07
28 46 21 17-1318	EA		22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW).....	2,538.62	15.88
28 46 21 17-1319	EA		Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS).....	3,776.16	15.88
28 46 21 17-1320	EA		1920x1080P Wide Screen (Notifier MON-42LCDW).....	11,972.74	15.88
28 46 21 17-1321	EA		Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORIZ-SD).....	563.37	36.10
28 46 21 17-1322	EA		Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD).....	1,037.81	36.10
28 46 21 17-1323	EA		Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD).....	1,517.82	36.10
28 46 21 17-1324	EA		Mass Notification Voice Paging (Notifier NOTIFY-IP).....	1,003.59	
28 46 21 17-1325	EA		Embedded NFN Gateway (Notifier NFN-GW-EM).....	1,935.95	24.07
28 46 21 17-1326	EA		NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F).....	1,935.95	24.07
28 46 21 17-1327	EA		High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF).....	3,040.26	24.07
28 46 21 17-1328	EA		High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF).....	3,540.37	24.07
28 46 21 17-1329	EA		High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW).....	3,040.26	24.07
28 46 21 17-1330	EA		NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W).....	1,935.95	24.07
28 46 21 17-1331	EA		Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER).....	1,172.14	
28 46 21 17-1332	EA		ONYXWorks Workstation (Notifier ONYXWORKS-WS).....	22,500.81	577.57
28 46 21 17-1333	EA		Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW)..... Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	4,657.81	
28 46 21 17-1334	EA		Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF)..... Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	4,657.81	
28 46 21 17-1335	EA		Fiber Optics, Standard Network Repeater Board (Notifier RPT-F).....	929.67	24.07
28 46 21 17-1336	EA		Wire, Standard Network Repeater Board (Notifier RPT-W).....	757.60	24.07
28 46 21 17-1337	EA		Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF).....	900.85	24.07
28 46 21 17-1338	EA		Signaling Line Circuit Integration Module (Notifier SLC-IM).....	1,005.10	24.07

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1339	EA		VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW) .....	2,090.92	24.07
28 46 21 17-1340	EA		Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS) .....	2,012.85	24.07
28 46 21 17-1341	EA		Windows 7 Hard Drive Upgrade (Notifier WIN7-UG-US-3) .....	2,232.64	
<b>28 46 21 17-1342</b>			<b>NOTI-FIRE-NET Network Components</b> <small>(28 46 21 17-0982)</small>		
28 46 21 17-1343	EA		Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3) .....	1,935.95	24.07
28 46 21 17-1344	EA		Fiber Optic Network Communications Module (Notifier NCM-F) .....	865.89	24.07
28 46 21 17-1345	EA		NOTI-FIRE-NET Web Server (Notifier NWS) .....	1,935.95	24.07
28 46 21 17-1346	EA		Wired Network Communications Module (Notifier NCM-W) .....	825.31	24.07
28 46 21 17-1347	EA		Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit) .....	96.30	12.03
<b>28 46 21 17-1348</b>			<b>FireWarden Addressable Fire Panels</b> <small>(28 46 21 17-0982)</small>		
28 46 21 17-1349	EA		50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50) .....	1,805.07	481.31
28 46 21 17-1350	EA		Black, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100) .....	2,118.24	481.31
28 46 21 17-1351	EA		Black, One DC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C) .....	2,408.67	240.65
28 46 21 17-1352	EA		Black, One SLC Loop, 240 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E) .....	2,408.67	240.65
28 46 21 17-1353	EA		Red, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R) .....	2,398.50	240.65
<b>28 46 21 17-1354</b>			<b>FireWarden Accessories</b> <small>(28 46 21 17-0982)</small>		
28 46 21 17-1355	EA		Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100) .....	159.89	36.10
28 46 21 17-1356	EA		Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T) .....	152.46	36.10
<b>28 46 21 17-1357</b>			<b>FireWarden Devices</b> <small>(28 46 21 17-0982)</small>		
28 46 21 17-1358	EA		SLC Loop Powered Fault Isolator Module (Notifier N100-ISO) .....	118.70	24.07
28 46 21 17-1359	EA		Intelligent Addressable Control Module (Notifier NC-100) .....	139.87	24.07
28 46 21 17-1360	EA		Intelligent Addressable Relay Module (Notifier NC-100R) .....	134.58	24.07
28 46 21 17-1361	EA		Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100) .....	338.98	36.10
28 46 21 17-1362	EA		Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R) .....	408.88	36.10
28 46 21 17-1363	EA		Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100) .....	134.58	24.07
28 46 21 17-1364	EA		Intelligent Addressable Thermal Detector With Base (Notifier NH-100) .....	141.00	36.10
28 46 21 17-1365	EA		Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H) .....	141.00	36.10
28 46 21 17-1366	EA		Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R) .....	141.00	36.10
28 46 21 17-1367	EA		Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100) .....	186.87	36.10
28 46 21 17-1368	EA		Intelligent Addressable Monitor Module (Notifier NMM-100) .....	116.94	24.07
28 46 21 17-1369	EA		Intelligent Addressable Mini Monitor Module (Notifier NMM-100P) .....	106.79	24.07
28 46 21 17-1370	EA		Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX) .....	156.19	24.07
28 46 21 17-1371	EA		Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100) .....	147.17	36.10
28 46 21 17-1372	EA		Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100) .....	174.28	24.07
28 46 21 17-1373	EA		Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6) .....	602.13	24.07
<b>28 46 21 17-1374</b>			<b>SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories</b> <small>(28 46 21 17-0982)</small>		
28 46 21 17-1375	EA		120 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402) .....	1,211.16	385.04
28 46 21 17-1376	EA		120 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404) .....	1,324.96	385.04
28 46 21 17-1377	EA		240 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402E) .....	1,001.75	120.32
28 46 21 17-1378	EA		240 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404E) .....	1,136.53	120.32
28 46 21 17-1379	EA		Class A Converter Module (Notifier CAC-4) .....	295.64	24.07
28 46 21 17-1380	EA		Internal Dress Plate, Required For FM And ULC (Notifier DP-4X) .....	109.34	14.44
28 46 21 17-1381	EA		Remote Zone Annunciator (Notifier RZA-4X) .....	163.61	36.10
<b>28 46 21 17-1382</b>			<b>SFP-5UD 5 Zone Control Panels And Accessories</b> <small>(28 46 21 17-0982)</small>		
28 46 21 17-1383	EA		120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD) .....	1,840.36	481.31
28 46 21 17-1384	EA		120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC) .....	3,140.73	360.97
28 46 21 17-1385	EA		240 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE) .....	2,073.35	240.65
28 46 21 17-1386	EA		Red, 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR) .....	2,073.35	240.65
28 46 21 17-1387	EA		Class A Converter Module (Notifier N-CAC-5X) .....	306.04	24.07
28 46 21 17-1388	EA		Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE) .....	118.07	14.44
<b>28 46 21 17-1389</b>			<b>SFP-10UD 10 Zone Control Panels And Accessories</b> <small>(28 46 21 17-0982)</small>		
28 46 21 17-1390	EA		120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC) .....	3,839.71	481.31
28 46 21 17-1391	EA		240 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE) .....	2,871.69	360.97
28 46 21 17-1392	EA		120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD) .....	2,087.36	481.31
28 46 21 17-1393	EA		Red, 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR) .....	3,352.99	481.31
28 46 21 17-1394	EA		Four Channel, Dual Line, Stand Alone Fire Alarm Communicator (Fire-Lite 411UDAC) .....	521.95	72.19
<b>28 46 21 17-1395</b>			<b>Smoke Detectors</b> <small>(28 46 21 17-0982)</small>		
28 46 21 17-1396	EA		Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851) .....	199.22	36.10



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1397	EA		Intelligent Addressable Laser Smoke Detector (Notifier FSL-751).....	328.02	36.10
28 46 21 17-1398	EA		Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D).....	1,004.22	36.10
28 46 21 17-1399	EA		Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R).....	144.29	36.10
			Note: For use with DNR(W) duct detector housing.		
28 46 21 17-1400	EA		Filters For Harsh Detector (Notifier RF-FTX) .....	17.68	
28 46 21 17-1401	EA		Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY) .....	121.13	24.07
<b>28 46 21 17-1402</b>			<b>Pull Stations</b> (28 46 21 17-0982)		
28 46 21 17-1403	EA		Trim Ring For NBG12 Series Pull Station (Notifier BG12TR).....	25.09	4.81
28 46 21 17-1404	EA		One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2).....	64.26	12.03
28 46 21 17-1405	EA		Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2R).....	54.99	12.03
28 46 21 17-1406	EA		Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1).....	86.64	24.07
28 46 21 17-1407	EA		DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F).....	95.02	24.07
28 46 21 17-1408	EA		Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS).....	127.95	24.07
28 46 21 17-1409	EA		Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R).....	86.64	24.07
28 46 21 17-1410	EA		Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS).....	98.92	24.07
28 46 21 17-1411	EA		Standard "Local" Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL).....	98.92	24.07
28 46 21 17-1412	EA		Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR).....	98.92	24.07
28 46 21 17-1413	EA		Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1).....	93.90	24.07
28 46 21 17-1414	EA		Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R).....	101.16	24.07
28 46 21 17-1415	EA		Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL).....	749.43	28.88
28 46 21 17-1416	EA		Red, Single Action Fire Alarm Pull Station (Notifier NBG-12S).....	75.70	24.07
28 46 21 17-1417	EA		Red, Dual Action Fire Alarm Pull Station (Notifier NBG-12).....	78.90	24.07
28 46 21 17-1418	EA		Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L).....	84.52	24.07
28 46 21 17-1419	EA		Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB).....	185.67	28.88
28 46 21 17-1420	EA		Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS).....	114.09	24.07
28 46 21 17-1421	EA		Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR).....	97.19	24.07
28 46 21 17-1422	EA		Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX).....	157.08	24.07
28 46 21 17-1423	EA		Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE).....	46.47	4.81
<b>28 46 21 17-1424</b>			<b>Rate Compensation Heat Detectors</b> (28 46 21 17-0982)		
28 46 21 17-1425	EA		135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135).....	149.82	36.10
28 46 21 17-1426	EA		194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194).....	149.82	36.10
<b>28 46 21 17-1427</b>			<b>FM Series Door Releases</b> (28 46 21 17-0982)		
28 46 21 17-1428	EA		1/2" Door Holder Spacer (Notifier FM900-50).....	25.03	7.22
28 46 21 17-1429	EA		3/4" Door Holder Spacer (Notifier FM900-75).....	25.03	7.22
28 46 21 17-1430	EA		1" Door Holder Spacer (Notifier FM900-100).....	25.03	7.22
28 46 21 17-1431	EA		Door Holder Extension Kit (Notifier FM900).....	26.35	7.22
28 46 21 17-1432	EA		90 Degree Door Holder Extension Kit (Notifier FM900-Z).....	26.79	7.22
28 46 21 17-1433	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mounted, Door Holder (Notifier FM980).....	178.93	36.10
28 46 21 17-1434	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mounted, Door Holder (Notifier FM996).....	156.88	36.10
28 46 21 17-1435	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mounted, Concealed Wiring, Door Holder (Notifier FM998).....	156.88	36.10
<b>28 46 21 17-1436</b>			<b>Multicriteria Fire Detector</b> (28 46 21 17-0982)		
28 46 21 17-1437	EA		Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851).....	239.42	36.10
28 46 21 17-1438	EA		Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851).....	238.68	36.10
			Note: Detects fire, thermal, photo, CO and IR, with Flashscan.		
<b>28 46 21 17-1439</b>			<b>Modules</b> (28 46 21 17-0982)		
28 46 21 17-1440	EA		Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1).....	279.28	24.07
28 46 21 17-1441	EA		Addressable Firephone Control Module (Notifier FTM-1).....	175.97	24.07
<b>28 46 21 17-1442</b>			<b>DH Series Door Releases</b> (28 46 21 17-0982)		
28 46 21 17-1443	EA		Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC).....	152.28	36.10
28 46 21 17-1444	EA		Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB).....	161.38	36.10
28 46 21 17-1445	EA		Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD).....	169.93	36.10
28 46 21 17-1446	EA		Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC).....	167.70	36.10
28 46 21 17-1447	EA		Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB).....	175.13	36.10
28 46 21 17-1448	EA		Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD).....	181.45	36.10
28 46 21 17-1449	EA		Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC).....	152.28	36.10
28 46 21 17-1450	EA		Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB).....	160.27	36.10
28 46 21 17-1451	EA		Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD).....	169.93	36.10
28 46 21 17-1452	EA		Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1).....	190.37	36.10
28 46 21 17-1453	EA		Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1).....	202.26	36.10
28 46 21 17-1454	EA		Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1).....	216.01	36.10
28 46 21 17-1455	EA		Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2).....	219.36	36.10
28 46 21 17-1456	EA		Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2).....	233.48	36.10
28 46 21 17-1457	EA		Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2).....	250.57	36.10
28 46 21 17-1458	EA		.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC).....	17.77	4.81
28 46 21 17-1459	EA		.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B).....	17.77	4.81
28 46 21 17-1460	EA		.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D).....	19.29	4.81
28 46 21 17-1461	EA		1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC).....	17.77	4.81
28 46 21 17-1462	EA		1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B).....	17.77	4.81
28 46 21 17-1463	EA		1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D).....	19.29	4.81

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1464	EA		1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC) .....	18.55	4.81
28 46 21 17-1465	EA		1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC).....	18.55	4.81
28 46 21 17-1466	EA		1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B) .....	19.29	4.81
28 46 21 17-1467	EA		1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D) .....	20.15	4.81
28 46 21 17-1468	EA		2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC).....	20.15	4.81
28 46 21 17-1469	EA		2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC).....	20.15	4.81
28 46 21 17-1470	EA		2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B).....	20.93	4.81
28 46 21 17-1471	EA		2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D) .....	20.93	4.81
28 46 21 17-1472	EA		3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC) .....	20.93	4.81
28 46 21 17-1473	EA		3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B).....	21.78	4.81
28 46 21 17-1474	EA		3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D) .....	21.78	4.81
28 46 21 17-1475	EA		4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC) .....	22.56	4.81
28 46 21 17-1476	EA		4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC).....	22.56	4.81
28 46 21 17-1477	EA		4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB).....	23.42	4.81
28 46 21 17-1478	EA		4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD).....	25.83	4.81
28 46 21 17-1479	EA		5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC) .....	25.02	4.81
28 46 21 17-1480	EA		5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B).....	24.20	4.81
28 46 21 17-1481	EA		5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D) .....	25.83	4.81
28 46 21 17-1482	EA		Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCP).....	24.96	7.22
28 46 21 17-1483	EA		Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB).....	25.74	7.22
28 46 21 17-1484	EA		Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD) .....	28.23	7.22
28 46 21 17-1485	EA		Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC) .....	44.39	7.22
28 46 21 17-1486	EA		Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB) .....	46.77	7.22
28 46 21 17-1487	EA		Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD).....	49.15	7.22
28 46 21 17-1488	EA		Surface Mounted Backbox, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC) .....	42.65	12.03
28 46 21 17-1489	EA		Surface Mounted Backbox, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB) .....	44.29	12.03
28 46 21 17-1490	EA		Surface Mounted Backbox, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD) .....	47.56	12.03
28 46 21 17-1491	EA		Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF).....	229.67	
<b>28 46 21 17-1492</b>			<b>First Command</b> <small>(28 46 21 17-0982)</small>		
28 46 21 17-1493	EA		Black, 120 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100) .....	5,178.28	601.63
28 46 21 17-1494	EA		Black, 220-240 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E).....	5,229.14	601.63
28 46 21 17-1495	EA		Black, 120 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS, Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA).....	1,429.22	48.13
28 46 21 17-1496	EA		Black, 220-240 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS, Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE) .....	1,467.37	48.13
28 46 21 17-1497	EA		Black, 120 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA).....	2,616.75	48.13
28 46 21 17-1498	EA		Black, 220-240 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE).....	2,701.51	48.13
28 46 21 17-1499	EA		50 Watt, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt).....	634.20	24.07
28 46 21 17-1500	EA		50 Watt, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt).....	634.20	24.07
28 46 21 17-1501	EA		Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4) .....	348.41	24.07
28 46 21 17-1502	EA		Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6).....	547.38	24.07
28 46 21 17-1503	EA		Standalone Firefighter Telephone System (Notifier NFC-FFT) .....	1,934.41	48.13
28 46 21 17-1504	EA		Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black. Local Operator Console (Notifier NFC-LOC).....	1,893.72	48.13
28 46 21 17-1505	EA		Note: Includes built-in microphone, message and zone control switches, black. Black, Remote Microphone (Notifier NFC-RM) .....	552.11	
28 46 21 17-1506	EA		Remote Page Unit (Notifier NFC-RPU) .....	1,601.29	48.13
28 46 21 17-1507	EA		Note: Includes built-in microphone, message control switches, black. 70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V) .....	265.91	24.07
28 46 21 17-1508	EA		Firefighters Phone Jack (Notifier N-FPJ).....	120.35	7.22
28 46 21 17-1509	EA		Thumbblatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH) .....	34.95	7.22
28 46 21 17-1510	EA		Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B).....	110.08	14.44
<b>28 46 21 17-1511</b>			<b>LED Displays</b> <small>(28 46 21 17-0982)</small>		
28 46 21 17-1512	EA		2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215) .....	1,508.90	28.88
28 46 21 17-1513	EA		Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW) .....	2,120.64	38.51
28 46 21 17-1514	EA		4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT) .....	2,145.22	38.51
28 46 21 17-1515	EA		8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8) .....	2,060.45	38.51
28 46 21 17-1516	EA		16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16) .....	2,882.66	38.51
28 46 21 17-1517	EA		LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V) .....	2,187.60	38.51
<b>28 46 21 17-1518</b>			<b>Control Relays</b> <small>(28 46 21 17-0982)</small>		
28 46 21 17-1519	EA		Single SPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-101/CR) .....	55.81	12.03
28 46 21 17-1520	EA		Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T).....	43.25	12.03
28 46 21 17-1521	EA		Four Position SPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-104/CR) .....	150.33	24.07
28 46 21 17-1522	EA		Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T).....	83.72	12.03
28 46 21 17-1523	EA		Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T).....	99.14	12.03
28 46 21 17-1524	EA		24 Volt DC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C) .....	154.42	24.07
28 46 21 17-1525	EA		120 Volt AC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C) .....	154.42	24.07
28 46 21 17-1526	EA		Single DPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-201/CR) .....	82.32	24.07
28 46 21 17-1527	EA		Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T).....	46.52	12.03
28 46 21 17-1528	EA		Four Position DPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-204/CR) .....	163.71	24.07
28 46 21 17-1529	EA		24 Volt DC / 24 Volt AC / 115 Volt AC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-1) .....	61.66	24.07
28 46 21 17-1530	EA		12/24 Volt DC, 7 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-2) .....	61.66	24.07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1531	EA		9 To 40 Volt DC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-4).....	61.66	24.07
<b>28 46 21 17-1532</b>			<b>Gamewell-FCI Fire Control Instruments (28 46 21 17-0982)</b>		
<b>28 46 21 17-1533</b>			<b>7100 Series And NetSOLO® (28 46 21 17-1532)</b>		
<b>28 46 21 17-1534</b>			<b>7100 Compact Analog Addressable Fire Alarm Control Panels (28 46 21 17-1533)</b>		
28 46 21 17-1535	EA		Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M) .....	853.94	288.78
28 46 21 17-1536	EA		Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2) .....	3,619.69	481.31
28 46 21 17-1537	EA		Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D).....	3,941.37	481.31
28 46 21 17-1538	EA		Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E).....	3,619.69	481.31
28 46 21 17-1539	EA		Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E).....	3,941.37	481.31
28 46 21 17-1540	EA		Removal And Replacement Of Board For 7100-1D (Gamewell-FCI BSM-7100-1).....	1,087.35	
28 46 21 17-1541	EA		Removal And Replacement Of Board For 7100-2 (Gamewell-FCI BSM-7100-1D).....	1,302.55	
28 46 21 17-1542	EA		Analog Loop Unit (Gamewell-FCI ALU).....	1,302.55	48.13
<b>28 46 21 17-1543</b>			<b>NetSOLO® Intelligent Network (28 46 21 17-1533)</b>		
28 46 21 17-1544	EA		Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO) .....	1,444.14	48.13
			Note: Mounted in 7100 panel.		
28 46 21 17-1545	EA		Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP) .....	1,148.51	48.13
			Note: Mounted in 7100 panel.		
<b>28 46 21 17-1546</b>			<b>Components And Accessories (28 46 21 17-1533)</b>		
28 46 21 17-1547	EA		Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100).....	713.28	36.10
28 46 21 17-1548	EA		Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100).....	544.80	48.13
28 46 21 17-1549	EA		Fiber Optic Line Driver Module (Gamewell-FCI FLD-1) .....	994.47	48.13
28 46 21 17-1550	EA		Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM).....	404.35	48.13
28 46 21 17-1551	EA		Enclosure Box (Gamewell-FCI EN-7100).....	336.38	96.26
28 46 21 17-1552	EA		Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2).....	1,035.82	24.07
<b>28 46 21 17-1553</b>			<b>E3 Series® Basic System (28 46 21 17-1532)</b>		
28 46 21 17-1554	EA		Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3).....	963.24	48.13
28 46 21 17-1555	EA		Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3).....	830.01	48.13
28 46 21 17-1556	EA		Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3) .....	963.24	48.13
28 46 21 17-1557	EA		Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3).....	830.01	48.13
28 46 21 17-1558	EA		LCD Keypad Display (Gamewell-FCI LCD-E3).....	610.68	48.13
28 46 21 17-1559	EA		Power Supply Module (Gamewell-FCI PM-9) .....	798.35	48.13
28 46 21 17-1560	EA		Transponder 9 Amperes Power Supply (Gamewell-FCI PM-9 INX).....	672.67	48.13
28 46 21 17-1561	EA		Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A).....	662.48	24.07
28 46 21 17-1562	EA		Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3) .....	384.93	48.13
28 46 21 17-1563	EA		Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO).....	1,021.49	48.13
28 46 21 17-1564	EA		Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP) .....	856.79	48.13
28 46 21 17-1565	EA		Local Operating Console (Gamewell-FCI 1100-0455) .....	572.77	36.10
28 46 21 17-1566	EA		Network Graphic Annunciator (Gamewell-FCI 1100-0505).....	1,836.54	36.10
28 46 21 17-1567	EA		70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70) .....	732.97	48.13
28 46 21 17-1568	EA		INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326).....	2,221.84	48.13
28 46 21 17-1569	EA		8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1) .....	523.75	96.26
28 46 21 17-1570	EA		C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC) .....	388.69	96.26
28 46 21 17-1571	EA		Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP).....	85.65	24.07
28 46 21 17-1572	EA		Programmable Switch Module (Gamewell-FCI ASM-16) .....	515.38	48.13
28 46 21 17-1573	EA		LED Driver module (Gamewell-FCI ANU-48).....	515.38	48.13
28 46 21 17-1574	EA		Network Graphic Annunciator (Gamewell-FCI NGA).....	1,539.59	36.10
<b>28 46 21 17-1575</b>			<b>Addressable Devices, Module, Pulls And Accessories (28 46 21 17-1532)</b>		
<b>28 46 21 17-1576</b>			<b>Velociti® Series Sensors And Bases (28 46 21 17-1575)</b>		
28 46 21 17-1577	EA		Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F).....	165.07	36.10
28 46 21 17-1578	EA		Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F) .....	168.47	36.10
28 46 21 17-1579	EA		Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F) .....	178.66	36.10
28 46 21 17-1580	EA		Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F).....	137.88	36.10
28 46 21 17-1581	EA		Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F) .....	143.55	36.10
28 46 21 17-1582	EA		Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F).....	137.88	36.10
28 46 21 17-1583	EA		Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F) .....	202.45	36.10
28 46 21 17-1584	EA		Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS).....	440.31	36.10
28 46 21 17-1585	EA		Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF) .....	375.17	60.17
28 46 21 17-1586	EA		Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF).....	420.48	60.17
28 46 21 17-1587	EA		Removal And Replacement Of Duct Detector Board (Gamewell-FCI ADP-F-SB) .....	207.54	
28 46 21 17-1588	EA		Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF).....	42.19	12.03
28 46 21 17-1589	EA		Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F).....	474.29	36.10
28 46 21 17-1590	EA		Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF).....	94.86	12.03
28 46 21 17-1591	EA		Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F).....	1,673.49	72.19
<b>28 46 21 17-1592</b>			<b>Velociti® Series Modules And Pull Station (28 46 21 17-1575)</b>		
28 46 21 17-1593	EA		Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2F) .....	120.05	24.07
28 46 21 17-1594	EA		Dual Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2IF).....	191.98	24.07

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21 17-1595	EA	Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4F) .....	131.38		24.07
28 46 21 17-1596	EA	Subloop Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4SF).....	184.05		24.07
28 46 21 17-1597	EA	Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF) .....	154.03		24.07
28 46 21 17-1598	EA	Addressable Output Supervised Module (Gamewell-FCI AOM-2SF).....	159.70		24.07
28 46 21 17-1599	EA	Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF).....	224.82		48.13
28 46 21 17-1600	EA	Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF).....	164.79		24.07
28 46 21 17-1601	EA	Telephone Filters (Gamewell-FCI AOM-TEL-FL) .....	26.62		4.81
<b>28 46 21 17-1602</b>		<b>Components And Accessories</b> (28 46 21 17-1575)			
28 46 21 17-1603	EA	Remote LED Annunciator Alarm (Gamewell-FCI RA400Z).....	66.83		19.25
		Note: Mounts on single gang box.			
28 46 21 17-1604	EA	Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5) .....	33.41		9.63
28 46 21 17-1605	EA	>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3).....	35.67		9.63
28 46 21 17-1606	EA	>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5).....	42.76		12.03
28 46 21 17-1607	EA	>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10).....	68.52		14.44
28 46 21 17-1608	EA	Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451) .....	101.94		19.25
		Note: Mounts on single gang box.			
<b>28 46 21 17-1609</b>		<b>Fixed And Rate of Rise Heat Detectors</b> (28 46 21 17-1575)			
28 46 21 17-1610	EA	135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P).....	91.45		36.10
28 46 21 17-1611	EA	194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602).....	91.45		36.10
28 46 21 17-1612	EA	135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603).....	89.81		36.10
28 46 21 17-1613	EA	194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604).....	89.81		36.10
<b>28 46 21 17-1614</b>		<b>NAC Expander/Power Supply</b> (28 46 21 17-1575)			
28 46 21 17-1615	EA	FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amperes, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8).....	1,585.60		385.04
28 46 21 17-1616	EA	6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6).....	1,370.40		385.04
28 46 21 17-1617	EA	9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9).....	1,478.00		385.04
<b>28 46 21 17-1618</b>		<b>Batteries And Accessories</b> (28 46 21 17-1532)			
28 46 21 17-1619	EA	B-17R, 12 Volt DC, 17 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A).....	242.95		24.07
28 46 21 17-1620	EA	B-55R, 12 Volt DC, 55 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A).....	612.20		24.07
28 46 21 17-1621	EA	B-7R, 12 Volt DC, 7 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A).....	129.68		24.07
28 46 21 17-1622	EA	BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653).....	301.27		48.13
28 46 21 17-1623	EA	BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654).....	301.27		48.13
28 46 21 17-1624	EA	12" High x 12" Wide x 24" Length Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970) .....	268.43		48.13
<b>28 46 21 17-1625</b>		<b>Electronic Door Holders</b> (28 46 21 17-1532)			
		Note: Rixson products.			
28 46 21 17-1626	EA	XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000) .....	42.93		4.81
28 46 21 17-1627	EA	FM-980, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Door Holder (Gamewell-FCI 140-90000).....	344.03		36.10
28 46 21 17-1628	EA	FM-981, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Holder For Double Doors (Gamewell-FCI 140-90001).....	467.49		36.10
28 46 21 17-1629	EA	FM-990, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Low Profile Mount Door Holder (Gamewell-FCI 140-90002) .....	221.02		36.10
28 46 21 17-1630	EA	FM-996, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mount Door Holder (Gamewell-FCI 140-90003) .....	210.83		36.10
28 46 21 17-1631	EA	FM-997, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder (Gamewell-FCI 140-90004) .....	221.02		36.10
28 46 21 17-1632	EA	FM-998, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder With Concealed Wiring (Gamewell-FCI 140-90005).....	220.57		36.10
<b>28 46 21 17-1633</b>		<b>SpectrAlert® Advance Wall Mount 2-Wire Horn/Strobes</b> (28 46 21 17-1532)			
		See CSI section 28 46 21 17-1821 for devices.			
<b>28 46 21 17-1634</b>		<b>SpectrAlert® Advance Accessories</b> (28 46 21 17-1532)			
		See CSI section 28 46 21 17-1821 for backboxes, 28 46 21 17-2081 for backboxes.			
<b>28 46 21 17-1635</b>		<b>Fire Alarm Programming</b> (28 46 21 17-1532)			
		Note: For device replacement projects only. Do not use these tasks on projects where a fire alarm panel is replaced.			
28 46 21 17-1636	EA	Program And Test Up To 5 Fire Alarm Devices .....	500.00		
28 46 21 17-1637	EA	Program And Test >5 To 20 Fire Alarm Devices.....	1,000.00		
28 46 21 17-1638	EA	Program And Test >20 To 50 Fire Alarm Devices.....	2,000.00		
<b>28 46 21 17-1639</b>		<b>Fire-Lite Fire Alarm</b> (28 46 21 17-0981)			
<b>28 46 21 17-1640</b>		<b>Addressable Control Panels</b> (28 46 21 17-1639)			
28 46 21 17-1641	EA	25 Point Intelligent Control (Fire Lite MS-25) .....	1,614.58		481.31
28 46 21 17-1642	EA	50 Point Intelligent Control (Fire Lite MS-9050UD) .....	1,773.21		481.31
28 46 21 17-1643	EA	198-Point Intelligent Control (Fire Lite MS-9200UDLS).....	2,499.01		481.31
28 46 21 17-1644	EA	636-Point Intelligent Control (Fire Lite MS-9600LS).....	3,675.95		481.31
28 46 21 17-1645	EA	636-Point Intelligent Control (Fire Lite MS-9600UDLS).....	3,524.59		481.31
28 46 21 17-1646	EA	IP And 4G Cellur Fire Alarm Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G) .....	470.40		
<b>28 46 21 17-1647</b>		<b>Silent Knight Fire Alarm</b> (28 46 21 17-0981)			
28 46 21 17-1648	EA	Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS) .....	4,030.07		240.65
28 46 21 17-1649	EA	Supervised Remote Command Unit (Silent Knight EVS-RCU) .....	1,669.21		144.39

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1650	EA		50 Watt Amplifier (Silent Knight EVS-50W).....	1,170.88	96.26
28 46 21 17-1651	EA		125 Watt Amplifier (Silent Knight EVS-125W).....	2,090.62	96.26
28 46 21 17-1652	EA		Voice Evacuation System (Silent Knight SKE-450).....	1,999.46	96.26
28 46 21 17-1653	EA		Fire Fighters Telephone (Silent Knight SK-FFT).....	1,657.61	96.26
28 46 21 17-1654	EA		Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL).....	1,693.62	144.39
28 46 21 17-1655	EA		Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808).....	1,260.40	96.26
28 46 21 17-1656	EA		Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700).....	961.78	96.26
28 46 21 17-1657	EA		Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600).....	828.35	96.26
28 46 21 17-1658	EA		Combination Fire And CO Detector (Silent Knight SK-FIRE-CO).....	263.89	36.10
28 46 21 17-1659	EA		Photoelectric Detector (Silent Knight SK-PHOTO).....	149.36	36.10
28 46 21 17-1660	EA		Photoelectric Thermal Detector (Silent Knight SK-PHOTO-T).....	157.33	36.10
28 46 21 17-1661	EA		Ionization Smoke Detector (Silent Knight SK-ION).....	158.23	36.10
28 46 21 17-1662	EA		135 Degree Fixed Temperature Detector (Silent Knight SK-HEAT).....	137.63	36.10
28 46 21 17-1663	EA		190 Degree Fixed Temperature Detector (Silent Knight SK-HEAT-HT).....	144.90	36.10
28 46 21 17-1664	EA		135 Degree Fixed Temperature Rate-of-Rise Detector (Silent Knight SK-HEAT-ROR).....	147.59	36.10
28 46 21 17-1665	EA		Sounder Base (Silent Knight B200SR).....	89.69	12.03
28 46 21 17-1666	EA		Intelligent Sounder Base (Silent Knight B200S).....	95.01	12.03
28 46 21 17-1667	EA		Isolator Base (Silent Knight B224BI).....	74.63	12.03
28 46 21 17-1668	EA		Relay Base (Silent Knight B224RB).....	75.50	12.03
28 46 21 17-1669	EA		Multi-Criteria Photoelectric Detector With Thermal Sensing (Silent Knight SK-ACCLIMATE).....	161.01	36.10
28 46 21 17-1670	EA		Photoelectric Duct Detector (Silent Knight SK-DUCT).....	260.55	36.10
28 46 21 17-1671	EA		Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM).....	925.19	36.10
28 46 21 17-1672	EA		Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM-T).....	1,057.04	36.10
28 46 21 17-1673	EA		Dual Monitor Module (Silent Knight SK-MONITOR-2).....	191.76	36.10
28 46 21 17-1674	EA		Supervised Control Module (Silent Knight SK-CONTROL).....	159.29	36.10
28 46 21 17-1675	EA		Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6).....	541.01	48.13
28 46 21 17-1676	EA		Relay Control Module (Silent Knight SK-RELAY).....	136.95	24.07
28 46 21 17-1677	EA		Six Relay Control Module (Silent Knight SK-RELAY-6).....	522.88	48.13
28 46 21 17-1678	EA		Zone Interface Module (Silent Knight SK-ZONE).....	162.71	36.10
28 46 21 17-1679	EA		Six Zone Interface Module (Silent Knight SK-ZONE-6).....	626.66	48.13
28 46 21 17-1680	EA		Monitor Module (Silent Knight SK-MONITOR).....	139.59	36.10
28 46 21 17-1681	EA		10 Input Monitor Module (Silent Knight SK-MON-10).....	606.90	48.13
28 46 21 17-1682	EA		Monitor Module (Silent Knight SK-MINIMON).....	129.85	36.10
28 46 21 17-1683	EA		Fault Isolator Module (Silent Knight SK-ISO).....	144.90	36.10
28 46 21 17-1684	EA		Addressable Heat Sensor (Silent Knight SD505-AHS).....	142.26	36.10
28 46 21 17-1685	EA		Analog Ionization Smoke Detector (Silent Knight SD505-AIS).....	154.82	36.10
28 46 21 17-1686	EA		Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS).....	144.90	36.10
28 46 21 17-1687	EA		6" Addressable Sounder Base (Silent Knight SD505-6SB).....	110.11	12.03
28 46 21 17-1688	EA		6" Addressable Relay Base (Silent Knight SD505-6RB).....	103.88	12.03
28 46 21 17-1689	EA		6" Isolator Base (Silent Knight SD505-6IB).....	94.14	12.03
28 46 21 17-1690	EA		Addressable Input Module (Silent Knight SD500-AIM).....	144.03	36.10
28 46 21 17-1691	EA		Addressable Notification Module (Silent Knight SD500-ANM).....	178.08	36.10
28 46 21 17-1692	EA		Addressable Relay Module (Silent Knight SD500-ARM).....	159.29	36.10
28 46 21 17-1693	EA		SLC Annunciator Driver Module (Silent Knight SD500-LED).....	623.73	72.19
28 46 21 17-1694	EA		Loop Isolation Module (Silent Knight SD500-LIM).....	150.23	36.10
28 46 21 17-1695	EA		Addressable Mini Input Module (Silent Knight SD500-MIM).....	118.20	24.07
28 46 21 17-1696	EA		Single Action Addressable Pull Station (Silent Knight SD500-PS).....	152.32	24.07
28 46 21 17-1697	EA		Dual Action Addressable Pull Station (Silent Knight SD500-PSDA).....	145.49	24.07
28 46 21 17-1698	EA		Back Box (Silent Knight SK-PSSMBB).....	67.11	19.25
28 46 21 17-1699	EA		Smoke Detector Module (Silent Knight SD500-SDM).....	167.83	36.10
28 46 21 17-1700	EA		Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB).....	40.29	12.03
28 46 21 17-1701	EA		Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB).....	40.29	12.03
28 46 21 17-1702	EA		Addressable Duct Housing (Silent Knight SD505-DUCT).....	272.23	36.10
28 46 21 17-1703	EA		Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR).....	353.91	36.10
28 46 21 17-1704	EA		Addressable Duct Detector Test Switch (Silent Knight SD505-DTS).....	148.46	36.10
28 46 21 17-1705	EA		Intelligent Power Module (Silent Knight 5895XL).....	899.19	96.26
28 46 21 17-1706	EA		Addressable Power Supply (Silent Knight 5496).....	627.02	72.19
28 46 21 17-1707	EA		Relay Interface Board (Silent Knight 5883).....	239.83	24.07
28 46 21 17-1708	EA		Remote LED Annunciator (Silent Knight 5865-3).....	493.23	48.13
28 46 21 17-1709	EA		Remote LED Annunciator (Silent Knight 5865-4).....	558.83	48.13
28 46 21 17-1710	EA		Remote LCD Annunciator (Silent Knight SK-5860).....	529.83	72.19
28 46 21 17-1711	EA		Serial/Parallel Printer Interface (Silent Knight 5824).....	343.19	24.07
28 46 21 17-1712	EA		LED Input/Output Module (Silent Knight / IntelliKnight 5880).....	403.27	36.10
28 46 21 17-1713	EA		Addressable Pull Station (Silent Knight SK-Pull-DA/SA).....	145.49	24.07
28 46 21 17-1714	EA		Digital Fire Communicator with Cabinet (Silent Knight SK-5104).....	506.77	72.19
28 46 21 17-1715	EA		Communicator (Silent Knight IPGSM-4G).....	748.67	48.13
28 46 21 17-1716	EA		Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208).....	1,183.90	96.26
28 46 21 17-1717	EA		10 Zone Expander (Silent Knight SK-5217).....	331.53	24.07
28 46 21 17-1718	EA		Remote Annunciator (Silent Knight SK-5235).....	332.97	48.13
28 46 21 17-1719	EA		Status Display Module (Silent Knight 5280).....	96.92	24.07
28 46 21 17-1720	EA		Serial/Parallel Module (Silent Knight 5824).....	391.32	48.13
28 46 21 17-1721	EA		Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4).....	675.16	96.26
28 46 21 17-1722	EA		Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E).....	688.34	96.26
28 46 21 17-1723	EA		Dress Panel (Silent Knight SK-DP2/4).....	127.94	24.07
28 46 21 17-1724	EA		Class A Convertor (Silent Knight SK-CAC4).....	332.24	36.10
28 46 21 17-1725	EA		Transmitter Module (Silent Knight SK-4XTM).....	176.38	36.10
28 46 21 17-1726	EA		LED Interface Module (Silent Knight SK-4XLM).....	162.71	36.10
28 46 21 17-1727	EA		110 Volt AC, 3-6 Amperes, Transformer (Silent Knight SK-XRM24).....	165.98	24.07
28 46 21 17-1728	EA		Remote Annunciator (Silent Knight SK-RZA4).....	162.71	36.10
28 46 21 17-1729	EA		Zone Relay Module (Silent Knight SK-4XZM).....	174.67	36.10
28 46 21 17-1730	EA		Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2).....	584.56	96.26
28 46 21 17-1731	EA		Remote Battery Box Accessory Cabinet (Silent Knight RBB).....	145.49	24.07
28 46 21 17-1732	EA		Manual Pull Station (single action) (Silent Knight PS-SATK).....	81.20	24.07
28 46 21 17-1733	EA		Manual Pull Station (dual action) (Silent Knight PS-DATK).....	87.80	24.07
28 46 21 17-1734	EA		Manual Pull Station (dual action) (Silent Knight PS-DA).....	85.95	24.07

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21 17-1735	EA	Dual Action Lister Pull Station, Hex Key (Silent Knight PS-DAH).....	76.90		24.07
28 46 21 17-1736	EA	Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB).....	170.49		28.88
28 46 21 17-1737	EA	6 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495).....	589.14		72.19
28 46 21 17-1738	EA	9 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5499).....	661.62		72.19
28 46 21 17-1739	EA	Detector (Silent Knight IDP-PhotoR).....	210.44		36.10
28 46 21 17-1740	EA	Monitoring Module (Silent Knight IDP).....	210.56		36.10
28 46 21 17-1741	EA	Cabinet (Silent Knight SK-5207).....	289.92		72.19
28 46 21 17-1742	EA	Innovair IDP-Product (Silent Knight Innovair IDP-Pduct).....	411.95		24.07
28 46 21 17-1743	EA	I/O Input-Output Module (Silent Knight SK-2880).....	557.49		24.07
28 46 21 17-1744	EA	Remote Annunciator (Silent Knight RA-2000).....	1,599.69		72.19
28 46 21 17-1745	EA	Power Supply (Silent Knight 5195/96).....	994.07		24.07
28 46 21 17-1746	EA	8 Zone Expander (Silent Knight SK-5210).....	775.78		24.07
28 46 21 17-1747	EA	LCD Remote Annunciator (Silent Knight SK-5230).....	316.30		48.13
28 46 21 17-1748	EA	Ionization Smoke Detector (Silent Knight SK-ION).....	158.23		36.10
28 46 21 17-1749	EA	Addressable Relay Module (Silent Knight IDP-Relay).....	181.34		36.10
28 46 21 17-1750	EA	Telephone Line Monitor (Silent Knight SK-7150).....	113.62		24.07
28 46 21 17-1751	EA	Serial Driver Board (Silent Knight SK-2884).....	209.67		24.07
28 46 21 17-1752	EA	Smoke Detector Base (Silent Knight IDP-6AB).....	60.45		12.03
28 46 21 17-1753	EA	Mini Input Module (Silent Knight IDP-MINIMON).....	157.28		24.07
28 46 21 17-1754	EA	Status Display Module (Silent Knight SK-4180).....	572.04		24.07
28 46 21 17-1755	EA	8-Channel Digital Communicator (Silent Knight SK-1420).....	339.19		24.07
28 46 21 17-1756	EA	Serial Parallel Module (Silent Knight SK-4824).....	310.08		24.07
28 46 21 17-1757	EA	Power Supply (Silent Knight SK-5197 / SK-5198).....	1,139.61		24.07
28 46 21 17-1758	EA	4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204).....	1,938.89		96.26
28 46 21 17-1759	EA	Intelligent Ionization Smoke Detector (Silent Knight IDP-ION).....	217.72		36.10
28 46 21 17-1760	EA	Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo).....	181.34		36.10
28 46 21 17-1761	EA	Fire Slave Communicator Dialer (Silent Knight SK-5128).....	365.47		24.07
28 46 21 17-1762	EA	Intelligent Power Module (with cabinet) (Silent Knight SK-5496).....	627.02		72.19
<b>28 46 21 17-1763</b>		<b>Alerton <small>(28 46 21 17)</small></b>			
28 46 21 17-1764	EA	UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100).....	402.42		7.22
<b>28 46 21 17-1765</b>		<b>Cooper Fire Alarm <small>(28 46 21 17)</small></b>			
28 46 21 17-1766	EA	Single Circuit Class A / Multiple B, 12 Or 24 Volt DC, Sync Module (Cooper DSM-12/24-R).....	139.55		24.07
28 46 21 17-1767	EA	Red Lens, 21 Joules, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001).....	3,155.05		40.91
28 46 21 17-1768	EA	Red, 100 dB, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002).....	4,159.74		40.91
28 46 21 17-1769	EA	Red Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001).....	1,521.80		48.13
28 46 21 17-1770	EA	Clear Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002).....	1,530.73		48.13
28 46 21 17-1771	EA	Amber Lens, 5 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007).....	1,530.73		48.13
28 46 21 17-1772	EA	Red Lens, 10 Joules, 24 Volt DC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001).....	1,135.55		48.13
28 46 21 17-1773	EA	Amber Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003).....	1,135.55		48.13
28 46 21 17-1774	EA	Red Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004).....	1,135.55		48.13
28 46 21 17-1775	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005).....	1,530.73		48.13
28 46 21 17-1776	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006).....	1,530.73		48.13
28 46 21 17-1777	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007).....	1,530.73		48.13
28 46 21 17-1778	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008).....	1,530.73		48.13
28 46 21 17-1779	EA	Red Lens, 15 Joules, 24 Volt DC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002).....	1,530.73		48.13
28 46 21 17-1780	EA	Red Lens, 21 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001).....	1,761.81		48.13
28 46 21 17-1781	EA	Red Lens, 21 Joules, 24 Volt DC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003).....	1,636.78		48.13
28 46 21 17-1782	EA	Amber Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005).....	1,636.78		48.13
28 46 21 17-1783	EA	Red Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006).....	1,636.78		48.13
<b>28 46 21 17-1784</b>		<b>Light Engineered Displays Message Boards <small>(28 46 21 17)</small></b>			
28 46 21 17-1785	EA	Two Message Sign, "Announcement" And "Evacuate" (LED SP-2/MNS).....	657.03		28.88
28 46 21 17-1786	EA	Four Message Sign, "Fire", "Weather", "Announcement", "Evacuate" (LED SP-4).....	579.90		28.88
<b>28 46 21 17-1787</b>		<b>STI Fire Alarm <small>(28 46 21 17)</small></b>			
28 46 21 17-1788	EA	Pull Station Polycarbonate Cover, Semi Flush With Horn (STI-1100)..... Note: Includes 9 Volt DC self contained battery.	130.97		14.44
28 46 21 17-1789	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130).....	142.88		14.44
28 46 21 17-1790	EA	Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200).....	84.62		14.44
28 46 21 17-1791	EA	Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D)..... Note: For surface mounted horn strobes.	85.34		14.44
28 46 21 17-1792	EA	Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E).....	75.96		14.44
28 46 21 17-1793	EA	Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D)..... Note: For surface mounted strobe.	85.34		14.44
28 46 21 17-1794	EA	Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E).....	68.92		14.44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1795	EA		NEMA 4X Rated Polycarbonate Dome Cover (STI-1229).....	160.91	14.44
28 46 21 17-1796	EA		Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230) .....	107.52	14.44
			Note: For surface mounted pull stations.		
28 46 21 17-1797	EA		Backplate For Polycarbonate Cover (STI-1280) .....	51.68	14.44
28 46 21 17-1798	EA		Conduit Gasket For Polycarbonate Cover (STI-3003) .....	37.54	14.44
28 46 21 17-1799	EA		Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100) .....	52.47	14.44
28 46 21 17-1800	EA		Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150) .....	120.15	14.44
28 46 21 17-1801	EA		8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A) .....	99.59	14.44
28 46 21 17-1802	EA		Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100) .....	73.61	14.44
28 46 21 17-1803	EA		Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601) .....	69.64	14.44
28 46 21 17-1804	EA		Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602).....	67.30	14.44
28 46 21 17-1805	EA		Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604) .....	69.64	14.44
28 46 21 17-1806	EA		Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605).....	67.30	14.44
28 46 21 17-1807	EA		Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609) .....	69.64	14.44
28 46 21 17-1808	EA		Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610).....	67.30	14.44
28 46 21 17-1809	EA		Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625) .....	131.69	14.44
28 46 21 17-1810	EA		White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705).....	62.57	14.44
28 46 21 17-1811	EA		Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R).....	76.88	14.44
28 46 21 17-1812	EA		Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706) .....	94.90	14.44
28 46 21 17-1813	EA		Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707).....	94.90	14.44
28 46 21 17-1814	EA		White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708).....	68.92	14.44
28 46 21 17-1815	EA		Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R).....	68.92	14.44
28 46 21 17-1816	EA		White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711).....	62.57	14.44
28 46 21 17-1817	EA		Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713).....	68.92	14.44
28 46 21 17-1818	EA		White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714).....	68.92	14.44
28 46 21 17-1819	EA		Yellow, "High Threat", Push Button Station (STI SS-2201) .....	91.19	7.22
28 46 21 17-1820	EA		Gasket Kit For STI Covers (STI SUB-121).....	38.71	
<b>28 46 21 17-1821</b>			<b>System Sensor Fire Alarm (28 46 21 17)</b>		
<b>28 46 21 17-1822</b>			<b>Smoke Detectors (28 46 21 17-1821)</b>		
28 46 21 17-1823	EA		Beam Detector Heater Kit (System Sensor BEAMHK) .....	42.71	4.81
28 46 21 17-1824	EA		Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR).....	175.38	4.81
			Note: Four used with long range kit.		
28 46 21 17-1825	EA		Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK).....	225.59	48.13
28 46 21 17-1826	EA		Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK) .....	168.73	48.13
28 46 21 17-1827	EA		Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK) .....	139.74	48.13
28 46 21 17-1828	EA		Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B) .....	129.53	36.10
28 46 21 17-1829	EA		Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B) .....	126.26	36.10
28 46 21 17-1830	EA		Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B) .....	135.71	36.10
28 46 21 17-1831	EA		Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B) .....	131.52	36.10
28 46 21 17-1832	EA		Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 Volt DC (System Sensor 4WT-B).....	133.69	36.10
28 46 21 17-1833	EA		Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B).....	138.79	36.10
28 46 21 17-1834	EA		Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B).....	192.75	36.10
28 46 21 17-1835	EA		Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151).....	112.88	24.07
28 46 21 17-1836	EA		Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T) .....	128.51	24.07
			Note: Requires B100 series base.		
28 46 21 17-1837	EA		Heavy Duty Multi-Mount Kit (System Sensor 6500-MMK).....	203.94	12.03
28 46 21 17-1838	EA		Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy Duty Multi-Mount Kit (System Sensor 6500-SMK) .....	71.82	12.03
<b>28 46 21 17-1839</b>			<b>Duct Smoke Detectors (28 46 21 17-1821)</b>		
28 46 21 17-1840	EA		Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2) .....	266.92	36.10
28 46 21 17-1841	EA		Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120) .....	264.69	36.10
28 46 21 17-1842	EA		Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W).....	345.68	40.91
28 46 21 17-1843	EA		Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S).....	174.48	24.07
28 46 21 17-1844	EA		Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL) .....	47.52	7.22
28 46 21 17-1845	EA		Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR) .....	149.26	19.25
28 46 21 17-1846	EA		Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW).....	240.63	24.07
28 46 21 17-1847	EA		1' Steel Sampling Tube (System Sensor DST1) .....	28.84	9.63
28 46 21 17-1848	EA		1.5' Steel Sampling Tube (System Sensor DST1.5).....	31.37	9.63
28 46 21 17-1849	EA		3' Steel Sampling Tube (System Sensor DST3).....	35.19	9.63
28 46 21 17-1850	EA		5' Steel Sampling Tube (System Sensor DST5) .....	42.15	12.03
28 46 21 17-1851	EA		10' Steel Sampling Tube (System Sensor DST10).....	65.97	14.44
28 46 21 17-1852	EA		1', Steel, Exhaust Tube Duct (System Sensor ETX).....	32.41	9.63
28 46 21 17-1853	EA		Remote Test Station For Duct Smoke Detector (System Sensor RTS151) .....	71.64	12.03
28 46 21 17-1854	EA		Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2).....	149.02	
28 46 21 17-1855	EA		Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B) .....	160.17	
<b>28 46 21 17-1856</b>			<b>Heat Detectors (28 46 21 17-1821)</b>		
28 46 21 17-1857	EA		Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P).....	90.72	36.10
28 46 21 17-1858	EA		Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602).....	89.81	36.10
28 46 21 17-1859	EA		Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621) .....	103.04	36.10
28 46 21 17-1860	EA		Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622).....	103.04	36.10
<b>28 46 21 17-1861</b>			<b>Horns (28 46 21 17-1821)</b>		
28 46 21 17-1862	EA		Red, Mini Horn (System Sensor MHR) .....	95.79	36.10
28 46 21 17-1863	EA		White, Mini Horn (System Sensor MHW).....	95.79	36.10
28 46 21 17-1864	EA		White, 12/24 Volt DC, Wall Mounted Horn Only (System Sensor HWL).....	96.94	36.10

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MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21 17-1865	EA	Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R)	.....	120.69	40.91
28 46 21 17-1866	EA	Red, Interior, Wall Mounted, Horn (System Sensor HRL)	.....	96.94	36.10
28 46 21 17-1867	EA	Red, Outdoor, Wall Mounted, Horn (System Sensor HRK)	.....	129.53	36.10
<b>28 46 21 17-1868</b>		<b>Wall Mounted Horns/Strobes</b> <small>(28 46 21 17-1861)</small>			
28 46 21 17-1869	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL)	.....	127.93	36.10
28 46 21 17-1870	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH)	.....	163.73	36.10
28 46 21 17-1871	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK)	.....	185.88	40.91
28 46 21 17-1872	EA	Plain, Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P)	.....	181.79	40.91
28 46 21 17-1873	EA	Outdoor Backbox, Red, 120 Volt AC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120)	.....	189.78	40.91
28 46 21 17-1874	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK)	.....	185.32	40.91
28 46 21 17-1875	EA	Plain, Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P)	.....	176.59	40.91
28 46 21 17-1876	EA	Outdoor, Red, , Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R)	.....	153.76	36.10
28 46 21 17-1877	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL-P)	.....	125.33	36.10
28 46 21 17-1878	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL)	.....	127.93	36.10
28 46 21 17-1879	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH)	.....	164.84	36.10
28 46 21 17-1880	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK)	.....	180.30	40.91
28 46 21 17-1881	EA	Plain, Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P)	.....	181.79	40.91
28 46 21 17-1882	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P)	.....	163.73	36.10
28 46 21 17-1883	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK)	.....	190.89	40.91
28 46 21 17-1884	EA	Plain, Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P)	.....	176.59	40.91
28 46 21 17-1885	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL-P)	.....	124.78	36.10
28 46 21 17-1886	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RL)	.....	151.35	36.10
28 46 21 17-1887	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH)	.....	161.29	36.10
28 46 21 17-1888	EA	Outdoor Backbox, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK)	.....	185.91	40.91
28 46 21 17-1889	EA	Outdoor, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R)	.....	172.87	40.91
28 46 21 17-1890	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WL)	.....	151.35	36.10
28 46 21 17-1891	EA	Outdoor Backbox, White, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK)	.....	206.85	40.91
28 46 21 17-1892	EA	Outdoor Backbox, White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK)	.....	182.16	40.91
<b>28 46 21 17-1893</b>		<b>Ceiling Mounted Horns/Strobes</b> <small>(28 46 21 17-1821)</small>			
28 46 21 17-1894	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RL)	.....	129.79	36.10
28 46 21 17-1895	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH)	.....	165.96	36.10
28 46 21 17-1896	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK)	.....	180.30	40.91
28 46 21 17-1897	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK)	.....	175.47	40.91
28 46 21 17-1898	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P)	.....	158.15	36.10
28 46 21 17-1899	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WL)	.....	129.79	36.10
28 46 21 17-1900	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH)	.....	165.96	36.10
28 46 21 17-1901	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK)	.....	180.30	40.91
28 46 21 17-1902	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P)	.....	165.96	36.10
28 46 21 17-1903	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK)	.....	175.47	40.91
28 46 21 17-1904	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P)	.....	157.03	36.10
28 46 21 17-1905	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4RL)	.....	152.28	36.10
28 46 21 17-1906	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH)	.....	161.29	36.10
28 46 21 17-1907	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4WL)	.....	152.28	36.10
<b>28 46 21 17-1908</b>		<b>Wall Mounted Strobes</b> <small>(28 46 21 17-1821)</small>			



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1909	EA		White Strobe Expander Plate Backbox Skirt (System Sensor SEP-BBSW).....	57.44	12.03
28 46 21 17-1910	EA		White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW).....	107.50	12.03
28 46 21 17-1911	EA		Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL).....	116.60	36.10
28 46 21 17-1912	EA		Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH).....	138.35	36.10
28 46 21 17-1913	EA		Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK).....	167.39	40.91
28 46 21 17-1914	EA		Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK).....	165.63	40.91
28 46 21 17-1915	EA		Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P).....	163.21	40.91
28 46 21 17-1916	EA		Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R).....	145.00	40.91
28 46 21 17-1917	EA		Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL-P).....	115.67	36.10
28 46 21 17-1918	EA		White, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL).....	116.23	36.10
28 46 21 17-1919	EA		White, Amber Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-ALERT).....	124.96	36.10
28 46 21 17-1920	EA		White, Clear Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-CLR-ALERT).....	149.22	36.10
28 46 21 17-1921	EA		White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH).....	155.91	36.10
28 46 21 17-1922	EA		White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT).....	154.80	36.10
28 46 21 17-1923	EA		White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P).....	154.80	36.10
28 46 21 17-1924	EA		Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P).....	165.44	40.91
28 46 21 17-1925	EA		White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK).....	163.76	40.91
28 46 21 17-1926	EA		White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P).....	165.07	40.91
28 46 21 17-1927	EA		Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R).....	167.78	40.91
28 46 21 17-1928	EA		White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK).....	162.28	40.91
28 46 21 17-1929	EA		White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P).....	163.02	40.91
28 46 21 17-1930	EA		White, Plain, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-P).....	115.48	36.10
28 46 21 17-1931	EA		Amber, Wall Strobe Lens Attachment (System Sensor LENS-A).....	19.85	4.81
28 46 21 17-1932	EA		Blue, Wall Strobe Lens Attachment (System Sensor LENS-B).....	19.85	4.81
28 46 21 17-1933	EA		Green, Wall Strobe Lens Attachment (System Sensor LENS-G).....	19.85	4.81
28 46 21 17-1934	EA		Red, Wall Strobe Lens Attachment (System Sensor LENS-R).....	19.85	4.81
<b>28 46 21 17-1935</b>			<b>Ceiling Mounted Strobes</b> <small>(28 46 21 17-1821)</small>		
28 46 21 17-1936	EA		Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRL).....	118.64	36.10
28 46 21 17-1937	EA		Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH).....	140.12	36.10
28 46 21 17-1938	EA		Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK).....	167.39	40.91
28 46 21 17-1939	EA		Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK).....	167.39	40.91
28 46 21 17-1940	EA		White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWL).....	118.64	36.10
28 46 21 17-1941	EA		Clear Lens, White, Two Wire, 12/24 Volt DC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCWL-CLR-ALERT).....	126.08	36.10
28 46 21 17-1942	EA		White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH).....	158.15	36.10
28 46 21 17-1943	EA		Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK).....	163.76	40.91
28 46 21 17-1944	EA		Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK).....	162.28	40.91
28 46 21 17-1945	EA		Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P).....	141.40	36.10
28 46 21 17-1946	EA		Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC).....	19.85	4.81
28 46 21 17-1947	EA		Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC).....	19.85	4.81
28 46 21 17-1948	EA		Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC).....	19.85	4.81
28 46 21 17-1949	EA		Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC).....	19.85	4.81
<b>28 46 21 17-1950</b>			<b>Wall Mounted Speakers</b> <small>(28 46 21 17-1821)</small>		
28 46 21 17-1951	EA		24 Volt DC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V).....	288.48	36.10
28 46 21 17-1952	EA		Red, Wall Mounted Speaker (System Sensor SPRL).....	101.55	36.10
28 46 21 17-1953	EA		Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK).....	155.81	36.10
28 46 21 17-1954	EA		Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R).....	133.10	40.91
28 46 21 17-1955	EA		Red, High dB, Wall Mounted Speaker (System Sensor SPRV).....	116.30	36.10
28 46 21 17-1956	EA		White, Wall Mounted Speaker (System Sensor SPWL).....	101.55	36.10
28 46 21 17-1957	EA		White, Outdoor, Wall Mounted Speaker (System Sensor SPWK).....	164.69	40.91
28 46 21 17-1958	EA		White, High dB, Wall Mounted Speaker (System Sensor SPWV).....	112.99	36.10

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21 17-1959		<b>Ceiling Mounted Speakers</b> (28 46 21 17-1821)			
28 46 21 17-1960	EA	Red, Ceiling Mounted Speaker (System Sensor SPCRL).....	99.50		36.10
28 46 21 17-1961	EA	Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK).....	152.03		36.10
28 46 21 17-1962	EA	Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV).....	116.30		36.10
28 46 21 17-1963	EA	White, Ceiling Mounted Speaker (System Sensor SPCWL).....	101.18		36.10
28 46 21 17-1964	EA	White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV).....	128.01		36.10
28 46 21 17-1965	EA	White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK).....	165.44		40.91
28 46 21 17-1966		<b>Wall Mounted Speakers/Strobes</b> (28 46 21 17-1821)			
28 46 21 17-1967	EA	White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSWL).....	106.20		12.03
28 46 21 17-1968	EA	White Speaker Strobe Expander Plate Backbox Skirt (System Sensor SPSEP-BBSWL).....	55.21		12.03
28 46 21 17-1969	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL).....	157.66		36.10
28 46 21 17-1970	EA	Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH).....	171.87		36.10
28 46 21 17-1971	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK).....	226.49		40.91
28 46 21 17-1972	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P).....	222.67		40.91
28 46 21 17-1973	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R).....	191.82		40.91
28 46 21 17-1974	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL-P).....	155.99		36.10
28 46 21 17-1975	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV).....	166.58		36.10
28 46 21 17-1976	EA	White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-ALERT).....	158.41		36.10
28 46 21 17-1977	EA	White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT).....	225.27		40.91
28 46 21 17-1978	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL).....	157.66		36.10
28 46 21 17-1979	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH).....	198.33		36.10
28 46 21 17-1980	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P).....	198.33		36.10
28 46 21 17-1981	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK).....	232.70		40.91
28 46 21 17-1982	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P).....	221.92		40.91
28 46 21 17-1983	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-P).....	155.25		36.10
28 46 21 17-1984	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV).....	191.64		36.10
28 46 21 17-1985	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P).....	191.64		36.10
28 46 21 17-1986		<b>Ceiling Mounted Speakers/Strobes</b> (28 46 21 17-1821)			
28 46 21 17-1987	EA	Red, Selectable Candela ( 15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRL).....	147.63		36.10
28 46 21 17-1988	EA	Red, Selectable Candela ( 135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH).....	173.64		36.10
28 46 21 17-1989	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV).....	166.58		36.10
28 46 21 17-1990	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL).....	147.63		36.10
28 46 21 17-1991	EA	White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-CLR-ALERT).....	156.92		36.10
28 46 21 17-1992	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH).....	198.33		36.10
28 46 21 17-1993	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK).....	233.82		40.91
28 46 21 17-1994	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P).....	198.33		36.10
28 46 21 17-1995	EA	White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT).....	225.64		40.91
28 46 21 17-1996	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK).....	232.70		40.91
28 46 21 17-1997	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-P).....	147.63		36.10
28 46 21 17-1998	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV).....	191.64		36.10
28 46 21 17-1999	EA	White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH).....	198.33		36.10
28 46 21 17-2000	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P).....	191.64		36.10
28 46 21 17-2001	EA	High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH).....	198.01		36.10
28 46 21 17-2002		<b>Electric Alarm Bells</b> (28 46 21 17-1821)			
28 46 21 17-2003	EA	6" 24 Volt DC Alarm Bell (System Sensor SSM24-6).....	123.29		36.10
28 46 21 17-2004	EA	8" 24 Volt DC Alarm Bell (System Sensor SSM24-8).....	132.39		36.10
28 46 21 17-2005	EA	10" 24 Volt DC Alarm Bell (System Sensor SSM24-10).....	142.43		36.10
28 46 21 17-2006	EA	6" 120 Volt AC Alarm Bell (System Sensor SSV120-6).....	135.84		36.58
28 46 21 17-2007	EA	8" 120 Volt AC Alarm Bell (System Sensor SSV120-8).....	137.31		36.58

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-2008	EA		10" 120 Volt AC Alarm Bell (System Sensor SSV120-10) .....	146.61	36.58
<b>28 46 21 17-2009</b>			<b>Device Bases</b> (28 46 21 17-1821)		
28 46 21 17-2010	EA		High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S) .....	91.15	12.03
28 46 21 17-2011	EA		Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR) .....	88.36	12.03
28 46 21 17-2012	EA		Intelligent Isolator Base (System Sensor B224BI) .....	73.31	12.03
28 46 21 17-2013	EA		Intelligent Relay Base (System Sensor B224RB) .....	74.05	12.03
28 46 21 17-2014	EA		Flangeless, Intelligent Detector Base (System Sensor B501) .....	47.26	12.03
<b>28 46 21 17-2015</b>			<b>Boxes, Plates And Decals</b> (28 46 21 17-1821)		
28 46 21 17-2016	EA		Two Wire, Flanged, 12/24 Volt DC, Low-Profile, Adapter Base (System Sensor B110LP) .....	42.49	12.03
28 46 21 17-2017	EA		Four Wire, Form A And C, 24 Volt DC Low-Profile, Adapter Base (System Sensor B112LP) .....	83.02	14.44
28 46 21 17-2018	EA		120 Volt AC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K) .....	42.80	12.03
28 46 21 17-2019	EA		Red, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBB) .....	62.94	12.03
28 46 21 17-2020	EA		White, Ceiling Mounted, Metal, Weatherproof Backbox (System Sensor MWBBCW) .....	68.29	12.03
28 46 21 17-2021	EA		White, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBBW) .....	62.94	12.03
28 46 21 17-2022	EA		Red Retrofit Plate (System Sensor RFP) .....	29.45	7.22
28 46 21 17-2023	EA		White Retrofit Plate (System Sensor RFPW) .....	29.23	7.22
28 46 21 17-2024	EA		Red, Wall Mounted, Weatherproof Backbox (System Sensor SA-WBB) .....	53.65	12.03
28 46 21 17-2025	EA		Red, Ceiling Mounted, Weatherproof Backbox (System Sensor SA-WBBC) .....	60.04	12.03
28 46 21 17-2026	EA		Red, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCLR) .....	43.25	12.03
28 46 21 17-2027	EA		White, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCW) .....	43.25	12.03
28 46 21 17-2028	EA		Red, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBRL) .....	37.82	12.03
28 46 21 17-2029	EA		Red, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPRL) .....	41.91	12.03
28 46 21 17-2030	EA		White, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPWL) .....	41.91	12.03
28 46 21 17-2031	EA		White, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBWL) .....	37.82	12.03
28 46 21 17-2032	EA		Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500) .....	41.93	12.03
28 46 21 17-2033	EA		Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600) .....	38.01	12.03
28 46 21 17-2034	EA		Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS) .....	13.88	4.81
28 46 21 17-2035	EA		Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R) .....	20.00	
28 46 21 17-2036	EA		Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC) .....	27.64	
28 46 21 17-2037	EA		White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W) .....	20.00	
28 46 21 17-2038	EA		White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC) .....	27.64	
<b>28 46 21 17-2039</b>			<b>Chimes</b> (28 46 21 17-1821)		
28 46 21 17-2040	EA		Red, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHRL) .....	126.01	36.10
28 46 21 17-2041	EA		White, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHWL) .....	119.39	36.10
<b>28 46 21 17-2042</b>			<b>Chime/Strobes</b> (28 46 21 17-1821)		
28 46 21 17-2043	EA		Red, 15, 15/75, 30, 75, 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSRL) .....	168.81	36.10
28 46 21 17-2044	EA		White, 15, 15/75, 30, 75, 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSWL) .....	168.81	36.10
<b>28 46 21 17-2045</b>			<b>Carbon Monoxide Detectors</b> (28 46 21 17-1821)		
28 46 21 17-2046	EA		Conventional Carbon Monoxide Detector (System Sensor CO1224) .....	207.85	48.13
28 46 21 17-2047	EA		Round, Sounder And Trouble Relay With Test Function, 12/24 Volt DC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR) .....	167.33	36.10
28 46 21 17-2048	EA		CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE) .....	14.12	4.81
<b>28 46 21 17-2049</b>			<b>Switches</b> (28 46 21 17-1821)		
28 46 21 17-2050	EA		SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1) .....	148.51	19.25
28 46 21 17-2051	EA		Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2) .....	165.24	19.25
28 46 21 17-2052	EA		SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1) .....	148.51	19.25
28 46 21 17-2053	EA		Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2) .....	165.24	19.25
28 46 21 17-2054	EA		Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2) .....	154.46	19.25
28 46 21 17-2055	EA		Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2) .....	144.80	19.25
<b>28 46 21 17-2056</b>			<b>Low Frequency Sounders</b> (28 46 21 17-1821)		
28 46 21 17-2057	EA		Red, Low Frequency Sounder (System Sensor HR-LF) .....	159.26	36.10
28 46 21 17-2058	EA		White, Low Frequency Sounder (System Sensor HW-LF) .....	159.26	36.10
<b>28 46 21 17-2059</b>			<b>Sync Modules</b> (28 46 21 17-1821)		
28 46 21 17-2060	EA		Red, 12/24 Volt DC, Sync Module (System Sensor MDL3R) .....	120.60	24.07
28 46 21 17-2061	EA		White, 12/24 Volt DC, Sync Module (System Sensor MDL3W) .....	118.74	24.07
<b>28 46 21 17-2062</b>			<b>Relays</b> (28 46 21 17-1821)		
28 46 21 17-2063	EA		Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E) .....	69.88	19.25
28 46 21 17-2064	EA		SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T) .....	44.96	12.03
28 46 21 17-2065	EA		4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E) .....	124.41	12.03
28 46 21 17-2066	EA		4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T) .....	92.45	12.03
28 46 21 17-2067	EA		Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E) .....	74.86	19.25
28 46 21 17-2068	EA		DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T) .....	46.29	12.03
28 46 21 17-2069	EA		4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E) .....	139.65	12.03

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-2070	EA		4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T).....	105.27	12.03
28 46 21 17-2071	EA		18 To 35 Volt DC, 18 To 35 Volt AC, 120 Volt AC, SPDT Multivoltage Relay (System Sensor PR-1).....	39.53	12.03
28 46 21 17-2072	EA		10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-2).....	39.53	12.03
28 46 21 17-2073	EA		Redundant Power Input, 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-3).....	39.53	12.03
<b>28 46 21 17-2074</b>			<b>Remote Annunciator</b> (28 46 21 17-1821)		
28 46 21 17-2075	EA		Remote Annunciator (System Sensor RA100Z).....	95.60	36.10
28 46 21 17-2076	EA		Remote LED Annunciator (System Sensor RA100ZA).....	93.84	36.10
<b>28 46 21 17-2077</b>			<b>Remote Test Station</b> (28 46 21 17-1821)		
28 46 21 17-2078	EA		Remote Test Station With Key (System Sensor RTS151KEY).....	143.91	36.10
<b>28 46 21 17-2079</b>			<b>Fire Alarm Digital Cellular Communicator</b> (28 46 21 17)		
28 46 21 17-2080	EA		Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS).....	534.18	48.13
<b>28 46 21 17-2081</b>			<b>Wheelock Fire Alarm</b> (28 46 21 17)		
<b>28 46 21 17-2082</b>			<b>Ceiling Mounted Chimes/Strobes</b> (28 46 21 17-2081)		
28 46 21 17-2083	EA		White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 Volt DC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW).....	240.87	36.10
<b>28 46 21 17-2084</b>			<b>Wall Mounted Chimes/Strobes</b> (28 46 21 17-2081)		
28 46 21 17-2085	EA		Red, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR).....	240.87	36.10
28 46 21 17-2086	EA		White, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW).....	240.87	36.10
<b>28 46 21 17-2087</b>			<b>Ceiling Mounted Horns/Strobes</b> (28 46 21 17-2081)		
28 46 21 17-2088	EA		Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC).....	149.75	36.10
28 46 21 17-2089	EA		White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC).....	140.20	36.10
<b>28 46 21 17-2090</b>			<b>Wall Mounted Horns/Strobes</b> (28 46 21 17-2081)		
28 46 21 17-2091	EA		Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR).....	153.35	36.10
28 46 21 17-2092	EA		Red, 24 Volt DC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR).....	199.45	36.10
28 46 21 17-2093	EA		Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR).....	166.21	36.10
28 46 21 17-2094	EA		White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW).....	166.21	36.10
28 46 21 17-2095	EA		Red, Flush, 24 Volt AC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR).....	189.40	36.10
28 46 21 17-2096	EA		Red, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR).....	173.91	36.10
28 46 21 17-2097	EA		Red, 115 Volt AC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR).....	171.79	36.10
28 46 21 17-2098	EA		Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR).....	189.05	40.91
28 46 21 17-2099	EA		Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR).....	152.50	36.10
28 46 21 17-2100	EA		White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW).....	152.50	36.10
<b>28 46 21 17-2101</b>			<b>Ceiling Mounted Strobes</b> (28 46 21 17-2081)		
28 46 21 17-2102	EA		Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR).....	142.12	36.10
28 46 21 17-2103	EA		White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW).....	142.12	36.10
28 46 21 17-2104	EA		Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC).....	127.93	36.10
28 46 21 17-2105	EA		White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC).....	135.76	36.10
<b>28 46 21 17-2106</b>			<b>Wall Mounted Strobes</b> (28 46 21 17-2081)		
28 46 21 17-2107	EA		Red, Multi-Candela, 24 Volt DC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR).....	225.19	36.10
28 46 21 17-2108	EA		Red, Retrofit Plate, 12 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR).....	177.30	36.10
28 46 21 17-2109	EA		Red, 24 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR).....	160.38	36.10
28 46 21 17-2110	EA		Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR).....	140.42	36.10
28 46 21 17-2111	EA		White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW).....	140.42	36.10
28 46 21 17-2112	EA		Red, Retrofit Plate, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR).....	151.44	36.10
28 46 21 17-2113	EA		Outdoor, Red, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR)..... Note: Requires WPSBB-R.	156.41	40.91
28 46 21 17-2114	EA		Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STR).....	136.82	36.10
28 46 21 17-2115	EA		White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STW).....	136.82	36.10
<b>28 46 21 17-2116</b>			<b>Ceiling Mounted Speakers/Strobes</b> (28 46 21 17-2081)		
28 46 21 17-2117	EA		Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR).....	177.30	36.10
28 46 21 17-2118	EA		White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW).....	177.30	36.10
28 46 21 17-2119	EA		White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW).....	177.30	36.10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-2120	EA		White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW).....	179.42	36.10
28 46 21 17-2121	EA		White, 24 Volt DC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW).....	191.28	36.10
28 46 21 17-2122	EA		White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW).....	207.81	36.10
<b>28 46 21 17-2123</b>			<b>Wall Mounted Speakers/Strobes (28 46 21 17-2081)</b>		
28 46 21 17-2124	EA		Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR).....	218.43	36.10
28 46 21 17-2125	EA		White, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW).....	218.43	36.10
28 46 21 17-2126	EA		Red, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FR).....	191.28	36.10
28 46 21 17-2127	EA		White, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FW).....	191.28	36.10
28 46 21 17-2128	EA		Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR).....	177.30	36.10
28 46 21 17-2129	EA		White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW).....	173.91	36.10
28 46 21 17-2130	EA		Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR).....	191.28	36.10
28 46 21 17-2131	EA		White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW).....	191.28	36.10
28 46 21 17-2132	EA		Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR).....	216.20	36.10
28 46 21 17-2133	EA		Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR).....	179.42	36.10
28 46 21 17-2134	EA		White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW).....	177.72	36.10
28 46 21 17-2135	EA		Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR).....	211.17	36.10
28 46 21 17-2136	EA		White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW).....	216.20	36.10
28 46 21 17-2137	EA		Red, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR).....	207.81	36.10
28 46 21 17-2138	EA		White, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW).....	207.81	36.10
28 46 21 17-2139	EA		Weatherproof, Red, 24 Volt DC, 75 Candela, Wall Mounted Speaker Strobe(Wheelock ET70WP-2475 W-FR)..... Note: Requires weatherproof backbox (IOB).	235.31	40.91
<b>28 46 21 17-2140</b>			<b>Electric Alarm Bells (28 46 21 17-2081)</b>		
28 46 21 17-2141	EA		6", 24 Volt DC, Red, Vibrating Bell (Wheelock 43T-G6-24-R).....	172.21	36.10
28 46 21 17-2142	EA		6", 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G6-115-R).....	165.43	36.10
28 46 21 17-2143	EA		10", 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G10-115-R).....	210.78	36.10
28 46 21 17-2144	EA		115 Volt AC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSX10-115-R).....	1,773.69	40.91
28 46 21 17-2145	EA		Outdoor, 115 Volt AC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSXG10-115-R).....	2,879.00	40.91
28 46 21 17-2146	EA		Vibrating, Outdoor, 115 Volt AC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CVXG10-115-R).....	2,286.55	40.91
28 46 21 17-2147	EA		6", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G6-24-R).....	133.86	36.10
28 46 21 17-2148	EA		10", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G10-24-R).....	149.49	36.10
<b>28 46 21 17-2149</b>			<b>Horns (28 46 21 17-2081)</b>		
28 46 21 17-2150	EA		Two Wire, 24 Volt DC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non Sync Horn (Wheelock AH-24WP-R).....	116.84	36.10
28 46 21 17-2151	EA		Red, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNR).....	109.99	36.10
28 46 21 17-2152	EA		White, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNW).....	109.99	36.10
28 46 21 17-2153	EA		Red, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNRC).....	110.93	36.10
28 46 21 17-2154	EA		White, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNBC).....	110.93	36.10
28 46 21 17-2155	EA		Red, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R).....	95.25	36.10
28 46 21 17-2156	EA		White, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W).....	95.25	36.10
28 46 21 17-2157	EA		Red, Flush, 12/24 Volt AC, Horn (Wheelock MT-12/24-R).....	110.93	36.10
<b>28 46 21 17-2158</b>			<b>Speakers (28 46 21 17-2081)</b>		
28 46 21 17-2159	EA		Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-R).....	113.64	36.10
28 46 21 17-2160	EA		White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-W).....	113.64	36.10
28 46 21 17-2161	EA		Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-R).....	113.64	36.10
28 46 21 17-2162	EA		White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-W).....	111.77	36.10
28 46 21 17-2163	EA		Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-R).....	113.64	36.10
28 46 21 17-2164	EA		White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-W).....	113.64	36.10
28 46 21 17-2165	EA		Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-R).....	113.64	36.10
28 46 21 17-2166	EA		White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-W).....	113.64	36.10
28 46 21 17-2167	EA		Red, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-R).....	134.07	36.10
28 46 21 17-2168	EA		White, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-W).....	134.07	36.10
28 46 21 17-2169	EA		White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watt Ceiling Mounted Speaker (Wheelock ET90-W).....	135.76	36.10
28 46 21 17-2170	EA		Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R).....	149.12	36.10
28 46 21 17-2171	EA		Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R).....	136.11	36.10
28 46 21 17-2172	EA		Grey, 1 To 15 Watt, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15S).....	267.14	36.10
28 46 21 17-2173	EA		Red, 1 To 15 Watt, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15SR).....	267.14	36.10
<b>28 46 21 17-2174</b>			<b>Sync Modules (28 46 21 17-2081)</b>		
28 46 21 17-2175	EA		12 Or 24 Volt DC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R).....	135.20	24.07
<b>28 46 21 17-2176</b>			<b>Boxes, Plates And Rings (28 46 21 17-2081)</b>		
28 46 21 17-2177	EA		4" Square, Red, Surface Backbox (Wheelock BB-R).....	33.35	12.03
28 46 21 17-2178	EA		Standard 4" Square Box (Wheelock BB-STD).....	29.87	12.03

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21 17-2179	EA	Black, Backbox For UZC-256 (Wheelock BB-UZC)	168.17		24.07
28 46 21 17-2180	EA	Red, Backbox For UZC-256 (Wheelock BB-UZC-R)	168.17		24.07
28 46 21 17-2181	EA	9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP)	129.93		19.25
28 46 21 17-2182	EA	Red, Extender Ring For E60 Series (Wheelock E60EXT-R)	17.94		4.81
28 46 21 17-2183	EA	White, Extender Ring For E60 Series (Wheelock E60EXT-W)	17.94		4.81
28 46 21 17-2184	EA	Red, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-R)	43.40		12.03
28 46 21 17-2185	EA	White, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-W)	40.68		12.03
28 46 21 17-2186	EA	Red, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-R)	43.40		12.03
28 46 21 17-2187	EA	White, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-W)	43.40		12.03
28 46 21 17-2188	EA	4" Square Backbox (Wheelock DBB-R)	35.09		12.03
28 46 21 17-2189	EA	Red, Surface Backbox (Wheelock IOB-R)	41.62		12.03
28 46 21 17-2190	EA	White, Surface, Backbox (Wheelock IOB-W)	41.62		12.03
28 46 21 17-2191	EA	White, Indoor, Surface Extender (Wheelock ISP2-W)	17.05		4.81
28 46 21 17-2192	EA	Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R)	19.12		4.81
28 46 21 17-2193	EA	White, RS/RSS Strobe Trim Plate (Wheelock NATP-W)	19.12		4.81
28 46 21 17-2194	EA	Red Retrofit Plate (Wheelock RP-R)	20.65		4.81
28 46 21 17-2195	EA	4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4)	28.43		4.81
28 46 21 17-2196	EA	Red, Surface Mounted, Backbox For Chimes, Speakers (Wheelock SBB-R)	43.82		12.03
28 46 21 17-2197	EA	White, Surface Mounted, Backbox For Chimes, Speaker (Wheelock SBB-W)	44.41		12.03
28 46 21 17-2198	EA	Red, Surface Mounted, Backbox For With RSSP (Wheelock SBL2-R)	47.55		12.03
28 46 21 17-2199	EA	Red, Semi-Flush Plate (Wheelock SFB-R)	19.96		4.81
28 46 21 17-2200	EA	White, Semi-Flush Plate (Wheelock SFB-W)	19.96		4.81
28 46 21 17-2201	EA	Red, Shallow Surface Mounted, Backbox (Wheelock SHBB-R)	37.93		12.03
28 46 21 17-2202	EA	White, Shallow Surface Mounted, Backbox (Wheelock SHBB-W)	37.93		12.03
28 46 21 17-2203	EA	Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R)	26.24		4.81
28 46 21 17-2204	EA	Red, Weather Resistant Backbox (Wheelock WBB-R)	43.06		12.03
28 46 21 17-2205	EA	Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R)	32.69		4.81
28 46 21 17-2206	EA	White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W)	32.69		4.81
28 46 21 17-2207	EA	Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R)	32.69		4.81
28 46 21 17-2208	EA	White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W)	32.69		4.81
28 46 21 17-2209	EA	Gasket Kit For Rear Wiring To Outdoor Backbox (Wheelock WP-KIT)	17.77		4.81
28 46 21 17-2210	EA	Weather Resistant Backbox For ASWP (Wheelock WPBB-R)	44.29		12.03
28 46 21 17-2211	EA	Weather Resistant Backbox For RSSWP (Wheelock WPSBB-R)	41.02		12.03
<b>28 46 21 17-2212</b>		<b>Manual Pull Station (28 46 21 17-2081)</b>			
28 46 21 17-2213	EA	SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100)	99.95		24.07
28 46 21 17-2214	EA	SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200)	99.95		24.07
28 46 21 17-2215	EA	Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X)	830.69		24.07
<b>28 46 21 17-2216</b>		<b>Potter Fire Alarm (28 46 21 17)</b>			
<b>28 46 21 17-2217</b>		<b>Electric Alarm Bells (28 46 21 17-2216)</b>			
28 46 21 17-2218	EA	6" Alarm Bell, 12 Volt DC (Potter MBA-6-12)	99.04		36.10
28 46 21 17-2219	EA	8" Alarm Bell, 12 Volt DC (Potter MBA-8-12)	107.53		36.10
28 46 21 17-2220	EA	10" Alarm Bell, 12 Volt DC (Potter MBA-10-12)	111.77		36.10
28 46 21 17-2221	EA	6" Alarm Bell, 24 Volt DC (Potter MBA-6-24)	99.04		36.10
28 46 21 17-2222	EA	8" Alarm Bell, 24 Volt DC (Potter MBA-8-24)	107.53		36.10
28 46 21 17-2223	EA	10" Alarm Bell, 24 Volt DC (Potter MBA-10-24)	111.77		36.10
28 46 21 17-2224	EA	6" Alarm Bell, 24 Volt AC (Potter PBA246)	106.24		36.10
28 46 21 17-2225	EA	8" Alarm Bell, 24 Volt AC (Potter PBA248)	110.31		36.10
28 46 21 17-2226	EA	10" Alarm Bell, 24 Volt AC (Potter PBA2410)	134.29		36.10
28 46 21 17-2227	EA	6" Alarm Bell, 120 Volt AC (Potter PBA1206)	100.27		36.10
28 46 21 17-2228	EA	8" Alarm Bell, 120 Volt AC (Potter PBA1208)	110.31		36.10
28 46 21 17-2229	EA	10" Alarm Bell, 120 Volt AC (Potter PBA12010)	118.71		36.10
<b>28 46 21 17-2230</b>		<b>Manual Pull Station (28 46 21 17-2216)</b>			
28 46 21 17-2231	EA	SPST, Single Action, Manual Pull Station (Potter P32-1T)	72.17		24.07
28 46 21 17-2232	EA	DPST, Single Action, Manual Pull Station (Potter RMS-2T)	76.02		24.07
28 46 21 17-2233	EA	DPST, Single Action, Manual Pull Station (Potter RMS-6T)	119.37		24.07
28 46 21 17-2234	EA	DPST, Single Action, Key Reset Manual Pull Station (Potter RMS-1T-KL)	78.42		24.07
28 46 21 17-2235	EA	SPST, Dual Action, Manual Pull Station (Potter P32-1T-LP)	74.35		24.07
28 46 21 17-2236	EA	SPST, Weather Proof, Manual Pull Station (Potter RMS-1T-WP)	132.92		24.07
28 46 21 17-2237	EA	SPST, Weather Proof Dual Action, Manual Pull Station (Potter RMS-1T-WP-LP)	165.25		24.07
<b>28 46 21 17-2238</b>		<b>Fire Alarm Terminal Cabinets (28 46 21 17)</b>			
28 46 21 17-2239	EA	18 Point Lockable Fire Alarm Terminal Cabinet	186.86		48.23
28 46 21 17-2240	EA	32 Point Lockable Fire Alarm Terminal Cabinet	241.12		48.23
28 46 21 17-2241	EA	64 Point Lockable Fire Alarm Terminal Cabinet	349.63		48.23
28 46 21 17-2242	EA	128 Point Lockable Fire Alarm Terminal Cabinet	458.10		48.23
<b>28 46 21 17-2243</b>		<b>Test And Certification Of Fire Alarm System (28 46 21 17)</b>			
28 46 21 17-2244	HR	Test And Certification Of Fire Alarm System	238.73		
<b>28 46 21 17-2245</b>		<b>Programming Of Fire Alarm System (28 46 21 17)</b>			
28 46 21 17-2246	HR	Programming Of Fire Alarm System	286.48		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**28 46 21 17-2247 Removal And Reinstallation Of Smoke Detector (28 46 21 17)**

Note: Includes storage, cleaning and supply materials.

28 46 21 17-2248	EA		Removal And Reinstallation Of Ceiling Mounted Smoke Detector.....	134.77	
28 46 21 17-2249	EA		Removal And Reinstallation Of Wall Mounted Smoke Detector.....	108.29	

**28 46 21 17-2250 Kidde Fire Safety Equipment (28 46 21 17)**

**28 46 21 17-2251 Smoke Detectors (28 46 21 17-2250)**

28 46 21 17-2252	EA		Combination Smoke And Carbon Monoxide Detector, 120 Volt Wired, With Battery Back-up (Kidde i12010SCO).....	117.21	36.10
28 46 21 17-2253	EA		Combination Smoke And Carbon Monoxide Detector, With Battery Back-up (Kidde P3010K-CO).....	94.31	36.10

**28 46 23 Fire Alarm Notification Appliances (28 46)**

**28 46 23 11 Fire Alarm Horns and Strobes (28 46 23)**

See CSI section 28 46 21 17-0000 for fire alarm horns and strobes.

**28 46 23 13 Fire Alarm Speakers (28 46 23)**

See CSI section 28 46 21 17-0000 for fire alarm speakers.

**28 47 Mass Notification (28 40)**

**28 47 15 Mass Notification Control Panels (28 47)**

**28 47 15 00-0001 Central Station Controls (28 47 15)**

28 47 15 00-0002	EA		Desktop 18 Function Base Station Control/Encoder (Whelen E747).....	664.30	
28 47 15 00-0003	EA		Desktop 35 Function Base Station Control/Encoder (Whelen E969).....	1,078.79	
28 47 15 00-0004	EA		Desktop Central Station Control Encoder/Decoder (Whelen E2010).....	3,144.95	
28 47 15 00-0005	EA		Siren Status Printer And Cable Option For E2010 (Whelen E2010P).....	985.84	24.07
28 47 15 00-0006	EA		Rack Mounted Central Station Control Encoder/Decoder (Whelen E2010R).....	3,620.35	24.07
28 47 15 00-0007	EA		Internal Option To Convert E2010 To FSK Format (Whelen E2010FSK).....	550.47	24.07
28 47 15 00-0008	EA		Option To Convert Activation Controls To FSK Format (Whelen FSKCEO).....	592.31	24.07

**28 47 17 Notification Devices and Methods (28 47)**

**28 47 17 17 Notification Appliances and Methods Public Methods (28 47 17)**

**28 47 17 17-0001 Voice Capable Omni-Directional Speakers (28 47 17 17)**

28 47 17 17-0002	EA		1 Cell, 109 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2901A).....	9,640.40	640.67
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.					
28 47 17 17-0003	EA		2 Cells, 115 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2902A).....	11,709.86	668.53
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.					
28 47 17 17-0004	EA		3 Cells, 119 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2903A).....	13,753.87	696.39
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.					
28 47 17 17-0005	EA		4 Cells, 121 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2904A).....	15,797.90	724.24
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.					
28 47 17 17-0006	EA		5 Cells, 123 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2905A).....	17,892.77	752.10
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.					
28 47 17 17-0007	EA		6 Cells, 125 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2906A).....	21,386.24	779.96
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.					
28 47 17 17-0008	EA		7 Cells, 126 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2907A).....	23,455.68	807.80
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.					
28 47 17 17-0009	EA		8 Cells, 127 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2908A).....	25,940.47	835.66
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.					
28 47 17 17-0010	EA		9 Cells, 128 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2909A).....	27,984.48	863.52
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.					
28 47 17 17-0011	EA		10 Cells, 129 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2910A).....	30,053.94	891.37
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.					
28 47 17 17-0012	EA		3 Cells, 127 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4003).....	20,623.37	779.96
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.					
28 47 17 17-0013	EA		4 Cells, 129 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4004).....	21,955.38	807.80
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.					
28 47 17 17-0014	EA		One-Way Control, 10 Digit DTMF Landline (Whelen D2030LL).....	359.56	24.07
28 47 17 17-0015	EA		VHF High-Band Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NV).....	1,506.05	24.07
28 47 17 17-0016	EA		UHF Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NU).....	1,506.05	24.07
28 47 17 17-0017	EA		UHF Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WU).....	1,361.96	24.07
28 47 17 17-0018	EA		VHF High-Band Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WV).....	1,319.57	24.07
28 47 17 17-0019	EA		Two-Tone Sequential Option (Whelen WPSTT).....	332.80	24.07
28 47 17 17-0020	EA		Full Function Auxiliary/Status Board For Contact Closure Activation (Two Way) (Whelen AUXCS).....	424.22	24.07
28 47 17 17-0021	EA		Landline, 10 Digit DTMF (Whelen C2030LL).....	440.57	24.07
28 47 17 17-0022	EA		VHF High-Band Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NV).....	2,142.99	24.07
28 47 17 17-0023	EA		UHF Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NU).....	1,650.15	24.07
28 47 17 17-0024	EA		UHF Wide-Band, 10 Digit DTMF (Whelen C2030WU).....	1,650.15	24.07
28 47 17 17-0025	EA		VHF High-Wide Band, 10 Digit DTMF (Whelen C2030WV).....	1,650.15	24.07
28 47 17 17-0026	EA		Option To Convert WPS Activation Controls To FSK Format (Whelen FSKXMOD).....	592.31	24.07
28 47 17 17-0027	EA		Cabinet Window LED Status Indicator (Whelen STATUS).....	410.93	24.07
28 47 17 17-0028	EA		Paging Interface Whelen Tones With Existing In-Plant Systems (Whelen PGINT).....	274.82	24.07
28 47 17 17-0029	EA		Intrusion Alarm (Whelen INTRUWPS).....	210.16	24.07
28 47 17 17-0030	EA		Custom Pre-Recorded Messages (One Time Set-Up Charge Per Message) (Whelen MSGPROG).....	141.96	
28 47 17 17-0031	EA		Whelen Library Messages (Whelen MSGPROGL).....	28.43	
28 47 17 17-0032	EA		Noise Cancelling Microphone Includes Local Microphone Input Harness (Whelen WPSNCMIC).....	116.88	24.07
28 47 17 17-0033	EA		One Pair Of Whelen Approved Batteries (Whelen WPSBATT).....	777.42	36.10
28 47 17 17-0034	EA		WPS And OA Series, Roof Top Mounted (Whelen RTM).....	7,613.35	612.82
28 47 17 17-0035	EA		Two 80 Watt Panels, Solar Power System (Whelen SBC280).....	3,060.53	144.39
Note: Includes mounting bracket and regulator.					
28 47 17 17-0036	EA		Amber, 6 LED Lights For The Base Of WPS Series (Whelen VALERTA).....	1,547.07	36.10

**28 Electronic Safety and Security****28 40 Life Safety****28 47 Mass Notification**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0037	EA		Blue, 6 LED Lights For The Base Of WPS Series (Whelen VALERTB).....	1,547.07	36.10
28 47 17 17-0038	EA		Clear, 6 LED Lights For The Base Of WPS Series (Whelen VALERTC).....	1,547.07	36.10
28 47 17 17-0039	EA		Green, 6 LED Lights For The Base Of WPS Series (Whelen VALERTG).....	1,547.07	36.10
28 47 17 17-0040	EA		Red, 6 LED Lights For The Base Of WPS Series Products (Whelen VALERTR).....	1,547.07	36.10
28 47 17 17-0041	EA		Amber, 24 Volt DC, LED, Beacon (Whelen L31HAF4).....	538.96	36.10
28 47 17 17-0042	EA		Blue, 24 Volt DC, LED, Beacon (Whelen L31HBF4).....	538.96	36.10
28 47 17 17-0043	EA		Red, 24 Volt DC, LED, Beacon (Whelen L31HRF4).....	538.96	36.10
28 47 17 17-0044	EA		Amber, 24 Volt DC, Strobe (Whelen ISB24A).....	423.75	36.10
28 47 17 17-0045	EA		Blue, 24 Volt DC, Strobe (Whelen ISB24B).....	423.75	36.10
28 47 17 17-0046	EA		Clear, 24 Volt DC, Strobe (Whelen ISB24C).....	423.75	36.10
28 47 17 17-0047	EA		Green, 24 Volt DC, Strobe (Whelen ISB24G).....	423.75	36.10
28 47 17 17-0048	EA		Red, 24 Volt DC, Strobe (Whelen ISB24R).....	423.75	36.10
28 47 17 17-0049	EA		Strobe/LED Controller With Mounting Plate, Hardware And Harnessing For ISB24 (Whelen SCWPS).....	601.63	24.07
28 47 17 17-0050	EA		Strobe Controller (Whelen STCTRL).....	444.29	24.07
28 47 17 17-0051	EA		LED Controller (Whelen LEDCTRL).....	444.29	24.07
28 47 17 17-0052	EA		Speaker Driver Handle/Plate Assembly Only (Less Speaker Driver) (Whelen EZ-PULL).....	295.45	36.10
28 47 17 17-0053	EA		Siren Diagnostic and Programming Software In CD Format (Whelen SDPTS).....	394.70	
28 47 17 17-0054	EA		400 Watt Speaker Driver (Whelen SPKDRV).....	613.75	24.07
28 47 17 17-0055	EA		Cabinet Window LED Status Indicator (Whelen STATUS).....	311.24	24.07
28 47 17 17-0056	EA		Noise Cancelling Microphone Option For Encoder (Whelen WPSMIC).....	116.88	24.07
28 47 17 17-0057	EA		Notifier/Whelen Interface Board (Whelen NAUXCS).....	607.06	24.07
<b>28 47 17 17-0058</b>			<b>Tone Only, Omni-Alert Sirens (28 47 17 17)</b>		
28 47 17 17-0059	EA		One Cell, Tone Only, Omni-Alert Siren (Whelen OA1).....	7,842.21	612.82
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0060	EA		Two Cell, Tone Only, Omni-Alert Siren (Whelen OA2).....	9,725.16	640.67
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0061	EA		Three Cell, Tone Only, Omni-Alert Siren (Whelen OA3).....	11,591.19	668.53
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0062	EA		Four Cell, Tone Only, Omni-Alert Siren (Whelen OA4).....	13,499.58	696.39
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0063	EA		One Way Controls, Auxiliary Board For Contact Closure Activation (Whelen OAUXXIN).....	219.35	24.07
28 47 17 17-0064	EA		One Way Landline Activation, 10 Digit DTMF (Whelen OD2030LL).....	359.56	24.07
28 47 17 17-0065	EA		VHF High-Narrow Band, 10 Digit DTMF (Whelen OD230NV).....	1,506.05	24.07
28 47 17 17-0066	EA		UHF Narrow-Band, 10 Digit DTMF (Whelen OD230NU).....	1,506.05	24.07
28 47 17 17-0067	EA		UHF Wide-Band, 10 Digit DTMF (Whelen OD230WU).....	1,361.96	24.07
28 47 17 17-0068	EA		VHF High-Wide Band, 10 Digit DTMF (Whelen OD230WV).....	1,319.57	24.07
28 47 17 17-0069	EA		One-Way Control Two-Tone Sequential Option (Whelen OTT).....	291.18	24.07
28 47 17 17-0070	EA		Two Way Controls, Contact Closure Activation Board (Whelen OAUXXCS).....	477.03	24.07
28 47 17 17-0071	EA		Two Way Landline Activation (Whelen OC2030LL).....	495.68	24.07
28 47 17 17-0072	EA		VHF High-Narrow Band, 10 Digit DTMF (Whelen OC230NV).....	1,650.15	24.07
28 47 17 17-0073	EA		UHF Narrow-Band, 10 Digit DTMF (Whelen OC230NU).....	1,650.15	24.07
28 47 17 17-0074	EA		UHF, 10 Digit DTMF (Whelen OC230WU).....	1,650.15	24.07
28 47 17 17-0075	EA		VHF High Band, 10 Digit DTMF (Whelen OC230WV).....	1,650.15	24.07
28 47 17 17-0076	EA		Converts The Omni-Alert Siren Activation Controls To FSK Format (Whelen OFSKXMOD).....	592.31	24.07
28 47 17 17-0077	EA		Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen OPGINT).....	274.82	24.07
28 47 17 17-0078	EA		Cabinet Window LED Status Indicator (Whelen OSTATUS).....	311.24	24.07
28 47 17 17-0079	EA		Intrusion Alarm (Whelen OINTRU).....	170.02	24.07
28 47 17 17-0080	EA		80 Watt Solar Power Option (Whelen OSBC280).....	3,060.53	144.39
28 47 17 17-0081	EA		One Pair Of Whelen Approved Batteries For Omniaalert (Whelen BSETO).....	628.15	36.10
<b>28 47 17 17-0082</b>			<b>Tone-Only Rotating Directional Speakers (28 47 17 17)</b>		
28 47 17 17-0083	EA		3 Cells, 127 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR3).....	15,967.42	724.24
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0084	EA		4 Cells, 129 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR4).....	16,926.47	752.10
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0085	EA		Limited Function Auxiliary Board For Contact Closure Activation (Whelen VAUXIN).....	198.27	24.07
28 47 17 17-0086	EA		Landline, 10 Digit DTMF (Whelen VD2030LL).....	403.29	24.07
28 47 17 17-0087	EA		VHF High-Narrow Band, 10 Digit DTMF (Whelen VD230NV).....	1,506.05	24.07
28 47 17 17-0088	EA		UHF Narrow-Band, 10 Digit DTMF (Whelen VD230NU).....	1,506.05	24.07
28 47 17 17-0089	EA		UHF Wide-Band, 10 Digit DTMF (Whelen VD230WU).....	1,361.96	24.07
28 47 17 17-0090	EA		VHF High-Wide Band, 10 Digit DTMF (Whelen VD230WV).....	1,319.57	24.07
28 47 17 17-0091	EA		Two-Tone Sequential Option (Order One-Way Control Option, Above, VD2020LI, VD2020H, VD2020U) (Whelen VORTT).....	291.18	24.07
28 47 17 17-0092	EA		Full Function Auxiliary/Status Control Board For Contact Closure Activation (Whelen VAUXCS).....	467.71	24.07
28 47 17 17-0093	EA		Landline, 10 Digit DTMF (Whelen VC2030LL).....	495.68	24.07
28 47 17 17-0094	EA		VHF High-Narrow Band, 10 Digit DTMF (Whelen VC230NV).....	1,650.15	24.07
28 47 17 17-0095	EA		UHF Narrow-Band, 10 Digit DTMF (Whelen VC230NU).....	1,650.15	24.07
28 47 17 17-0096	EA		UHF, 10 Digit DTMF (Whelen VC230WU).....	1,650.15	24.07
28 47 17 17-0097	EA		VHF High Band, 10 Digit DTMF (Whelen VC230WV).....	1,650.15	24.07
28 47 17 17-0098	EA		Option To Convert The Vortex Activation Controls To FSK Format (Whelen VFASKXMOD).....	592.31	24.07
28 47 17 17-0099	EA		Cabinet Window LED Status Indicator (Whelen VSTATUS).....	348.19	24.07
28 47 17 17-0100	EA		Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen VPGINT).....	274.82	24.07
28 47 17 17-0101	EA		Vortex Intrusion Alarm (Whelen VINTRU).....	170.02	24.07
28 47 17 17-0102	EA		Speaker Pole Top Bracket (Whelen VPTB).....	477.03	24.07
28 47 17 17-0103	EA		80 Watt Solar Power Option (Whelen VSBC280).....	3,060.53	144.39
28 47 17 17-0104	EA		One Pair Of Whelen Approved Batteries For Vortex Series (Whelen BSETVOR).....	628.15	36.10
28 47 17 17-0105	EA		Program Charge For Custom VROM Message (Whelen VPROG).....	2,488.28	
<b>28 47 17 17-0106</b>			<b>Uni-Directional Rotating Speakers (28 47 17 17)</b>		
28 47 17 17-0107	EA		118 dB, Uni-Directional Rotating Speaker (Whelen HORNET).....	10,284.60	640.67
28 47 17 17-0108	EA		One Way Contact Closure Activation Control Board (Whelen HAUXXIN).....	198.27	24.07



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0109	EA		Landline, One Way Control, 10 Digit DTMF (Whelen HD2030LL) .....	403.29	24.07
28 47 17 17-0110	EA		VHF High-Narrow Band, One Way Control, 10 Digit DTMF (Whelen HD230NV) .....	1,506.05	24.07
28 47 17 17-0111	EA		UHF Narrow-Band, One Way Control, 10 Digit DTMF (Whelen HD230NU) .....	1,506.05	24.07
28 47 17 17-0112	EA		UHF Wide-Band, One Way Control, 10 Digit DTMF (Whelen HD230WU) .....	1,361.96	24.07
28 47 17 17-0113	EA		VHF High-Wide Band, One Way Control, 10 Digit DTMF (Whelen HD230WV) .....	1,319.57	24.07
28 47 17 17-0114	EA		Two-Tone Sequential Option For Hornet (Whelen HORTT) .....	325.31	24.07
28 47 17 17-0115	EA		Two Way Contact Closure Activation And Status Control Board (Whelen HAUXCS) .....	416.04	24.07
28 47 17 17-0116	EA		Landline, Two Way Control, 10 Digit DTMF (Whelen HC2030LL) .....	440.57	24.07
28 47 17 17-0117	EA		VHF High-Narrow Band, Two Way Control, 10 Digit DTMF (Whelen HC230NV) .....	1,650.15	24.07
28 47 17 17-0118	EA		UHF Narrow-Band, Two Way Control, 10 Digit DTMF (Whelen HC230NU) .....	1,650.15	24.07
28 47 17 17-0119	EA		UHF, Two Way Control, 10 Digit DTMF (Whelen HC230WU) .....	1,650.15	24.07
28 47 17 17-0120	EA		VHF High Band, Two Way Control, 10 Digit DTMF (Whelen HC230WV) .....	1,650.15	24.07
28 47 17 17-0121	EA		Converts Siren Activation Controls To FSK Format (Whelen HFSKXMOD) .....	592.31	24.07
28 47 17 17-0122	EA		LED Status Indicator (Whelen HSTATUS) .....	311.24	24.07
28 47 17 17-0123	EA		Option For Paging Interface (Whelen HPGINT) .....	274.82	24.07
28 47 17 17-0124	EA		Intrusion Alarm (Whelen HINTRU) .....	170.02	24.07
28 47 17 17-0125	EA		Solar Power Option (Whelen HSBC280) .....	3,060.53	144.39
28 47 17 17-0126	EA		Pole Top Bracket For Speaker (Whelen HPTB) .....	438.34	24.07
28 47 17 17-0127	EA		One Pair Of Whelen Approved Batteries (Whelen BSETF) .....	628.15	36.10
<b>28 47 17 17-0128 All Hazard In-Plant Personnel Warning System (28 47 17 17)</b>					
28 47 17 17-0129	EA		400 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS400) .....	5,134.13	770.08
28 47 17 17-0130	EA		800 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS800) .....	6,216.66	866.35
28 47 17 17-0131	EA		15 Watt, Wide Angle Speaker (Whelen WS15T) .....	282.53	36.10
28 47 17 17-0132	EA		Recess Mounted, 15 Watt Speaker (Whelen WS15TR) .....	270.64	36.10
28 47 17 17-0133	EA		With Grill, Recess Mounted, 15 Watt Speaker (Whelen WS15TEN) .....	508.48	36.10
28 47 17 17-0134	EA		30 Watt, Wide Angle Speaker (Whelen WS30T) .....	350.17	36.10
28 47 17 17-0135	EA		60 Watt, Wide Angle Speaker (Whelen WS60T) .....	698.01	36.10
28 47 17 17-0136	EA		Explosion-Proof, 60 Watt, Wide Angle Speaker (Whelen WSXPL6T) .....	1,209.17	40.91
28 47 17 17-0137	EA		100 Watt, Wide Angle Speaker (Whelen WS100) .....	448.28	36.10
28 47 17 17-0138	EA		Weatherproof Housing, 100 Watt, Wide Angle Speaker (Whelen WS100TCH) .....	695.75	40.91
28 47 17 17-0139	EA		Intrusion Alarm For Whelen Outdoor Speaker Cabinets (Whelen INTRU) .....	170.02	24.07
<b>28 47 17 17-0140 Firehouse Siren (28 47 17 17)</b>					
28 47 17 17-0141	EA		Auxiliary Board Contact Closure (Whelen FAUXIN) .....	198.27	24.07
28 47 17 17-0142	EA		Two-Tone Sequential Option (Whelen FTT) .....	291.18	24.07
28 47 17 17-0143	EA		Auxiliary/Status Control Board (Whelen FAUXCS) .....	467.71	24.07
28 47 17 17-0144	EA		Landline, 10 Digit DTMF (Whelen FC2030LL) .....	440.57	24.07
28 47 17 17-0145	EA		VHF High-Narrow Band, 10 Digit DTMF (Whelen FC230NV) .....	1,650.15	24.07
28 47 17 17-0146	EA		UHF Narrow-Band, 10 Digit DTMF (Whelen FC230NU) .....	1,650.15	24.07
28 47 17 17-0147	EA		UHF, 10 Digit DTMF (Whelen FC230WU) .....	1,650.15	24.07
28 47 17 17-0148	EA		VHF High Band, 10 Digit DTMF (Whelen FC230WV) .....	1,650.15	24.07
28 47 17 17-0149	EA		Paging Interface Control Option (Whelen FPGINT) .....	274.82	24.07
28 47 17 17-0150	EA		Intrusion Alarm Control Option (Whelen FINTRU) .....	170.02	24.07
28 47 17 17-0151	EA		Solar Power Option (Whelen FSBC280) .....	3,060.53	144.39
Note: Two 80 watt panels, with brackets and solar regulator.					
<b>28 47 17 17-0152 Alert Monitor And Message Display (28 47 17 17)</b>					
28 47 17 17-0153	EA		Alert Monitor With Radio Receiver VHF High Band (Whelen V2000H) .....	1,378.91	24.07
28 47 17 17-0154	EA		Alert Monitor VHF High-Narrow Band (Whelen V2000NH) .....	1,378.91	24.07
28 47 17 17-0155	EA		Alert Monitor UHF Narrow-Band (Whelen V2000NU) .....	1,378.91	24.07
28 47 17 17-0156	EA		Alert Monitor With Radio Receiver UHF (Whelen V2000U) .....	1,378.91	24.07
28 47 17 17-0157	EA		Internal Battery And Charger For VA2000 Series (Whelen VA2BATT) .....	181.45	36.10
28 47 17 17-0158	EA		Mounting Bracket For Under Cabinet Or Vehicle Mounting - VA2000 Series (Whelen VA2MTG) .....	56.31	24.07
28 47 17 17-0159	EA		Factory Programming Of 1 To 15 VA2000 Display Messages (Whelen VA2PROGA) .....	105.54	24.07
28 47 17 17-0160	EA		Factory Programming Of 16 To 45 VA2000 Display Messages (Whelen VA2PROGB) .....	165.75	24.07
<b>28 47 17 17-0161 Portable Test Set (28 47 17 17)</b>					
28 47 17 17-0162	EA		VHF High Band, Portable Test Set (Whelen PT2010H) .....	5,535.02	
28 47 17 17-0163	EA		VHF Low Band, Portable Test Set (Whelen PT2010L) .....	5,535.02	
28 47 17 17-0164	EA		UHF, Portable Test Set (Whelen PT2010U) .....	5,535.02	
<b>28 47 17 17-0165 Replacement Warning Lights (28 47 17 17)</b>					
28 47 17 17-0166	EA		Amber, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IA) .....	279.17	38.51
28 47 17 17-0167	EA		Blue, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IB) .....	279.17	38.51
28 47 17 17-0168	EA		Clear, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IC) .....	279.17	38.51
28 47 17 17-0169	EA		Green, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IG) .....	279.17	38.51
28 47 17 17-0170	EA		Red, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IR) .....	279.17	38.51
28 47 17 17-0171	EA		Amber, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IA) .....	299.23	38.51
28 47 17 17-0172	EA		Blue, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IB) .....	198.89	38.51
28 47 17 17-0173	EA		Clear, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IC) .....	296.26	38.51
28 47 17 17-0174	EA		Green, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IG) .....	296.26	38.51
28 47 17 17-0175	EA		Red, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IR) .....	296.26	38.51
28 47 17 17-0176	EA		Amber, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HA) .....	279.17	38.51
28 47 17 17-0177	EA		Blue, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HB) .....	279.17	38.51
28 47 17 17-0178	EA		Clear, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HC) .....	279.17	38.51
28 47 17 17-0179	EA		Green, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HG) .....	279.17	38.51
28 47 17 17-0180	EA		Red, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HR) .....	279.17	38.51
28 47 17 17-0181	EA		Amber, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HA) .....	311.13	38.51

**28 Electronic Safety and Security****28 40 Life Safety****28 47 Mass Notification**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0182	EA		Blue, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HB).....	311.13	38.51
28 47 17 17-0183	EA		Clear, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HC).....	206.33	38.51
28 47 17 17-0184	EA		Green, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HG).....	206.33	38.51
28 47 17 17-0185	EA		Red, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HR).....	206.33	38.51
<b>28 47 17 17-0186</b>			<b>Antenna <small>(28 47 17 17)</small></b>		
28 47 17 17-0187	EA		50' Antenna Cable (Honeywell Ademco 7626-50HC).....	217.12	
28 47 17 17-0188	EA		External/Remote Weatherproof Antenna (Honeywell Ademco GSM-ANT3DB).....	201.44	
28 47 17 17-0189	EA		80GHz Millimeter Wave Radio (BridgeWave Flex4G-1000).....	10,452.65	
<b>28 49</b>			<b>Electronic Personal Protection Systems <small>(28 49)</small></b>		
<b>28 49 11</b>			<b>Electronic Personal Safety Detection Systems <small>(28 49)</small></b>		
<b>28 49 11 00-0001</b>			<b>Personnel Alarm Locating System <small>(28 49 11)</small></b>		
			Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.		
28 49 11 00-0002	EA		Personnel Alarm Locating System.....	16,596.07	772.92
			Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.		
28 49 11 00-0003	EA		Personnel Alarm Transmitters With Lithium Batteries.....	130.44	
28 49 11 00-0004	EA		Lapel Reader.....	50.17	
28 49 11 00-0005	EA		IR Locator.....	188.30	28.94
28 49 11 00-0006	EA		Repeaters And Receivers.....	463.82	96.46
<b>28 49 17</b>			<b>Electronic Personal Safety Emergency Aid Devices <small>(28 49)</small></b>		
<b>28 49 17 00-0001</b>			<b>Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) <small>(28 49 17)</small></b>		
<b>28 49 17 00-0002</b>			<b>Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) <small>(28 49 17 00-0001)</small></b>		
28 49 17 00-0003	EA		Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5).....	248.51	57.88
			Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).		
28 49 17 00-0004	EA		Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5).....	294.68	67.53
			Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.		
28 49 17 00-0005	EA		Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5).....	296.78	67.53
			Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.		
<b>28 49 17 00-0006</b>			<b>Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) <small>(28 49 17 00-0001)</small></b>		
28 49 17 00-0007	EA		High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5).....	181.78	36.17
28 49 17 00-0008	EA		High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5).....	175.95	28.94
28 49 17 00-0009	EA		Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592).....	84.36	28.94
28 49 17 00-0010	EA		1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5).....	143.43	28.94
28 49 17 00-0011	EA		2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5).....	164.55	28.94
28 49 17 00-0012	EA		4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5).....	186.46	28.94
28 49 17 00-0013	EA		2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2).....	256.91	28.94
28 49 17 00-0014	EA		4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4).....	287.22	28.94
<b>28 49 17 00-0015</b>			<b>Call Activation Devices, Emergency Aid Devices (Edwards Signaling) <small>(28 49 17 00-0001)</small></b>		
28 49 17 00-0016	EA		Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537).....	110.86	28.94
28 49 17 00-0017	EA		Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E).....	161.20	28.94
28 49 17 00-0018	EA		Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E).....	209.80	28.94
28 49 17 00-0019	EA		3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302).....	221.15	9.65
28 49 17 00-0020	EA		Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930).....	165.70	28.94
28 49 17 00-0021	EA		Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L).....	194.76	28.94
28 49 17 00-0022	EA		Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L).....	327.22	28.94
28 49 17 00-0023	EA		Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620).....	157.71	28.94
28 49 17 00-0024	EA		Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675).....	187.18	9.65
28 49 17 00-0025	EA		Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676).....	288.63	9.65
28 49 17 00-0026	EA		Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685).....	294.86	9.65
28 49 17 00-0027	EA		Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686).....	388.02	9.65

<b>Electronic Safety and Security</b>		<b>28</b>	<b>28</b>
Life Safety		28 40	
Electronic Personal Protection Systems		28 49	

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

**END OF SECTION 28**

**28 Electronic Safety and Security**

28 40 Life Safety

28 49 Electronic Personal Protection Systems

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**THIS PAGE INTENTIONALLY LEFT BLANK**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 31 Earthwork

### 31 05 Common Work Results for Earthwork<sup>(31)</sup>

#### 31 05 13 Soils for Earthwork<sup>(31 05)</sup>

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

#### 31 05 13 00-0001 Fill Material (Loose, Purchased Material)<sup>(31 05 13)</sup>

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 13 00-0002	CY Bank Run/Fill Sand .....	31.56	
	For Up To 8, Add	6.31	
	For >8 To 16, Add	3.16	
	For >48 To 64, Deduct	-2.31	
	For >64 To 96, Deduct	-3.89	
	For >96, Deduct	-5.47	
31 05 13 00-0003	CY Screened/Washed Filter/Septic Sand .....	37.39	
	For Up To 8, Add	7.48	
	For >8 To 16, Add	3.74	
	For >48 To 64, Deduct	-2.60	
	For >64 To 96, Deduct	-4.47	
	For >96, Deduct	-6.34	
31 05 13 00-0004	CY 3/8" Minus, ASTM C33, Screened/Washed Bedding Sand .....	51.38	
	For Up To 8, Add	10.28	
	For >8 To 16, Add	5.14	
	For >48 To 64, Deduct	-3.30	
	For >64 To 96, Deduct	-5.87	
	For >96, Deduct	-8.44	
31 05 13 00-0005	CY 3/16" Minus, Screened/Washed Concrete Sand .....	46.14	
	For Up To 8, Add	9.23	
	For >8 To 16, Add	4.61	
	For >48 To 64, Deduct	-3.04	
	For >64 To 96, Deduct	-5.35	
	For >96, Deduct	-7.65	
31 05 13 00-0006	CY 3/32" Minus, Screened/Washed Masonry/Mortar Sand .....	82.28	
	For Up To 8, Add	16.46	
	For >8 To 16, Add	8.23	
	For >48 To 64, Deduct	-4.85	
	For >64 To 96, Deduct	-8.96	
	For >96, Deduct	-13.08	
31 05 13 00-0007	CY Common Fill, Native Soil/Dirt .....	39.14	
	For Up To 8, Add	7.83	
	For >8 To 16, Add	3.91	
	For >48 To 64, Deduct	-2.69	
	For >64 To 96, Deduct	-4.65	
	For >96, Deduct	-6.60	
31 05 13 00-0008	CY Lime Rock Screening .....	35.47	
	For Up To 8, Add	7.09	
	For >8 To 16, Add	3.55	
	For >48 To 64, Deduct	-2.51	
	For >64 To 96, Deduct	-4.28	
	For >96, Deduct	-6.05	
31 05 13 00-0009	CY Crushed Lime Rock Maximum 3-1/2" .....	35.47	
	For Up To 8, Add	7.09	
	For >8 To 16, Add	3.55	
	For >48 To 64, Deduct	-2.51	
	For >64 To 96, Deduct	-4.28	
	For >96, Deduct	-6.05	
31 05 13 00-0010	CY Sand/Clay .....	40.14	
	For Up To 8, Add	8.03	
	For >8 To 16, Add	4.01	
	For >48 To 64, Deduct	-2.74	
	For >64 To 96, Deduct	-4.75	
	For >96, Deduct	-6.75	
31 05 13 00-0011	CY Recycled Concrete Aggregate .....	31.86	
	For Up To 8, Add	6.37	
	For >8 To 16, Add	3.19	
	For >48 To 64, Deduct	-2.33	
	For >64 To 96, Deduct	-3.92	
	For >96, Deduct	-5.51	
31 05 13 00-0012	CY Pitrun Clay .....	56.63	
	For Up To 8, Add	11.33	
	For >8 To 16, Add	5.66	
	For >48 To 64, Deduct	-3.56	
	For >64 To 96, Deduct	-6.40	
	For >96, Deduct	-9.23	
31 05 13 00-0013	CY Light Clay / Loam .....	46.08	
	For Up To 8, Add	9.22	
	For >8 To 16, Add	4.61	
	For >48 To 64, Deduct	-3.04	
	For >64 To 96, Deduct	-5.34	
	For >96, Deduct	-7.65	

**31 Earthwork****31 05 Common Work Results for Earthwork****31 05 13 Soils for Earthwork**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

31 05 13 00-0014	CY Heavy Clay.....	56.63	
	For Up To 8, Add	11.33	
	For >8 To 16, Add	5.66	
	For >48 To 64, Deduct	-3.56	
	For >64 To 96, Deduct	-6.40	
	For >96, Deduct	-9.23	

**31 05 16 Aggregates for Earthwork** (31 05)

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

**31 05 16 00-0001 Aggregate (Loose, Purchased Material)** (31 05 16)

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 16 00-0002	CY #2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean).....	47.30	
	For Up To 8, Add	9.46	
	For >8 To 16, Add	4.73	
	For >48 To 64, Deduct	-3.10	
	For >64 To 96, Deduct	-5.46	
	For >96, Deduct	-7.83	
31 05 16 00-0003	CY #3 Stone Aggregate Fill (1" To 2" Clean).....	49.21	
	For Up To 8, Add	9.84	
	For >8 To 16, Add	4.92	
	For >48 To 64, Deduct	-3.19	
	For >64 To 96, Deduct	-5.65	
	For >96, Deduct	-8.11	
31 05 16 00-0004	CY #4 Stone Aggregate Fill (3/4" To 1-1/2" Clean).....	47.30	
	For Up To 8, Add	9.46	
	For >8 To 16, Add	4.73	
	For >48 To 64, Deduct	-3.10	
	For >64 To 96, Deduct	-5.46	
	For >96, Deduct	-7.83	
31 05 16 00-0005	CY #5 Stone Aggregate Fill (1/2" To 1" Clean).....	50.60	
	For Up To 8, Add	10.12	
	For >8 To 16, Add	5.06	
	For >48 To 64, Deduct	-3.26	
	For >64 To 96, Deduct	-5.79	
	For >96, Deduct	-8.32	
31 05 16 00-0006	CY #6 Stone Aggregate Fill (3/8" To 3/4" Clean).....	52.55	
	For Up To 8, Add	10.51	
	For >8 To 16, Add	5.26	
	For >48 To 64, Deduct	-3.36	
	For >64 To 96, Deduct	-5.99	
	For >96, Deduct	-8.62	
31 05 16 00-0007	CY #56 Stone Aggregate Fill (3/8" To 1").....	50.90	
	For Up To 8, Add	10.18	
	For >8 To 16, Add	5.09	
	For >48 To 64, Deduct	-3.28	
	For >64 To 96, Deduct	-5.82	
	For >96, Deduct	-8.37	
31 05 16 00-0008	CY #57 Stone Aggregate Fill (3/8" To 1").....	54.30	
	For Up To 8, Add	10.86	
	For >8 To 16, Add	5.43	
	For >48 To 64, Deduct	-3.45	
	For >64 To 96, Deduct	-6.16	
	For >96, Deduct	-8.88	
31 05 16 00-0009	CY #67 Or #68 Stone Aggregate Fill (3/16" To 3/4").....	49.11	
	For Up To 8, Add	9.82	
	For >8 To 16, Add	4.91	
	For >48 To 64, Deduct	-3.19	
	For >64 To 96, Deduct	-5.64	
	For >96, Deduct	-8.10	
31 05 16 00-0010	CY #7 Stone Aggregate Fill (3/8" To 1/2").....	50.05	
	For Up To 8, Add	10.01	
	For >8 To 16, Add	5.01	
	For >48 To 64, Deduct	-3.24	
	For >64 To 96, Deduct	-5.74	
	For >96, Deduct	-8.24	
31 05 16 00-0011	CY #78 Stone Aggregate Fill (3/32" To 1/2").....	50.46	
	For Up To 8, Add	10.09	
	For >8 To 16, Add	5.05	
	For >48 To 64, Deduct	-3.26	
	For >64 To 96, Deduct	-5.78	
	For >96, Deduct	-8.30	
31 05 16 00-0012	CY #8 Stone Aggregate Fill (3/32" To 3/8").....	52.55	
	For Up To 8, Add	10.51	
	For >8 To 16, Add	5.26	
	For >48 To 64, Deduct	-3.36	
	For >64 To 96, Deduct	-5.99	
	For >96, Deduct	-8.62	
31 05 16 00-0013	CY #89 Stone Aggregate Fill (1/16" To 3/8").....	53.13	
	For Up To 8, Add	10.63	
	For >8 To 16, Add	5.31	
	For >48 To 64, Deduct	-3.39	
	For >64 To 96, Deduct	-6.05	
	For >96, Deduct	-8.70	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0014 CY #9 Stone Aggregate Fill (3/32" To 3/16").....	52.55	
For Up To 8, Add	10.51	
For >8 To 16, Add	5.26	
For >48 To 64, Deduct	-3.36	
For >64 To 96, Deduct	-5.99	
For >96, Deduct	-8.62	
31 05 16 00-0015 CY #10 Stone Aggregate Fill (1/16" To 3/16").....	53.75	
For Up To 8, Add	10.75	
For >8 To 16, Add	5.38	
For >48 To 64, Deduct	-3.42	
For >64 To 96, Deduct	-6.11	
For >96, Deduct	-8.80	
31 05 16 00-0016 CY #610 Modified Stone Aggregate Fill (1/16" To 3/4").....	53.13	
For Up To 8, Add	10.63	
For >8 To 16, Add	5.31	
For >48 To 64, Deduct	-3.39	
For >64 To 96, Deduct	-6.05	
For >96, Deduct	-8.70	
31 05 16 00-0017 CY Screenings Stone Aggregate Fill (3/16" Max) .....	44.62	
For Up To 8, Add	8.92	
For >8 To 16, Add	4.46	
For >48 To 64, Deduct	-2.96	
For >64 To 96, Deduct	-5.20	
For >96, Deduct	-7.43	
31 05 16 00-0018 CY Over 6" To 12" Stone Aggregate Fill, Random Size.....	48.47	
For Up To 8, Add	9.69	
For >8 To 16, Add	4.85	
For >48 To 64, Deduct	-3.16	
For >64 To 96, Deduct	-5.58	
For >96, Deduct	-8.00	
31 05 16 00-0019 CY Over 6" To 12" Graded Stone Aggregate Fill .....	48.47	
For Up To 8, Add	9.69	
For >8 To 16, Add	4.85	
For >48 To 64, Deduct	-3.16	
For >64 To 96, Deduct	-5.58	
For >96, Deduct	-8.00	
31 05 16 00-0020 CY 3" To 7" Surge Stone Aggregate Fill, Random Size.....	52.32	
For Up To 8, Add	10.46	
For >8 To 16, Add	5.23	
For >48 To 64, Deduct	-3.35	
For >64 To 96, Deduct	-5.97	
For >96, Deduct	-8.58	
31 05 16 00-0021 CY 3" To 7" Surge Stone Graded Aggregate Fill .....	55.06	
For Up To 8, Add	11.01	
For >8 To 16, Add	5.51	
For >48 To 64, Deduct	-3.49	
For >64 To 96, Deduct	-6.24	
For >96, Deduct	-8.99	
31 05 16 00-0022 CY Crusher Run Aggregate Fill (2-1/2" Minus) .....	31.23	
For Up To 8, Add	6.25	
For >8 To 16, Add	3.12	
For >48 To 64, Deduct	-2.29	
For >64 To 96, Deduct	-3.86	
For >96, Deduct	-5.42	
31 05 16 00-0023 CY Crusher Run Aggregate Fill (1-1/2" Minus) .....	34.25	
For Up To 8, Add	6.85	
For >8 To 16, Add	3.43	
For >48 To 64, Deduct	-2.45	
For >64 To 96, Deduct	-4.16	
For >96, Deduct	-5.87	
31 05 16 00-0024 CY Crusher Run Aggregate Fill (3/4" Minus) .....	32.29	
For Up To 8, Add	6.46	
For >8 To 16, Add	3.23	
For >48 To 64, Deduct	-2.35	
For >64 To 96, Deduct	-3.96	
For >96, Deduct	-5.58	

31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization<sup>(31)</sup>

<sup>(05)</sup> See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing<sup>(31)</sup>

31 11 Clearing and Grubbing<sup>(31 10)</sup>

31 11 00 00-0001 Clear And Grub Roots And Stumps<sup>(31 11)</sup>

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002 ACR Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip.....	7,529.75
Note: Includes grub and removal of stump	
31 11 00 00-0003 ACR Clear And Grub Light Stumps Only Up To 6" Diameter .....	1,968.01
31 11 00 00-0004 ACR Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip.....	8,784.70
Note: Includes grub and removal of stump	
31 11 00 00-0005 ACR Clear And Grub Medium Stumps Only Up To 10" Diameter .....	3,280.02
31 11 00 00-0006 ACR Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip .....	9,982.62
Note: Includes grub and removal of stump	
31 11 00 00-0007 ACR Clear And Grub Heavy Stumps Only Up To 16" Diameter.....	3,727.75
31 11 00 00-0008 ACR Clearing By Machine - Light Brush Without Grub.....	290.65

**31 Earthwork****31 10 Site Clearing****31 11 Clearing and Grubbing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

31 11 00 00-0009	ACR	Clearing By Machine - Medium Brush Without Grub.....	613.82
31 11 00 00-0010	ACR	Clearing By Machine - Heavy Brush Without Grub .....	865.36
31 11 00 00-0011	ACR	Chipping - Light Brush.....	2,343.01
31 11 00 00-0012	ACR	Chipping - Medium Brush.....	3,012.59
31 11 00 00-0013	ACR	Chipping - Heavy Brush .....	4,218.01

**31 11 00 00-0014 Loading Of Cleared And Grubbed Material** <sup>(31 11)</sup>

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

31 11 00 00-0015	CY	Machine Loading Of Cleared And Grubbed Material.....	10.35
31 11 00 00-0016	CY	Chute Loading Of Cleared And Grubbed Material.....	12.43
31 11 00 00-0017	CY	Hand Loading Of Cleared And Grubbed Material.....	34.27
31 11 00 00-0018	CY	Wheel And Ramp Loading Of Cleared And Grubbed Material.....	26.93

**31 13 Selective Tree and Shrub Removal and Trimming** <sup>(31 10)</sup>**31 13 13 Selective Tree and Shrub Removal** <sup>(31 13)</sup>**31 13 13 00-0001 Individual Tree Removal** <sup>(31 13 13)</sup>

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

31 13 13 00-0002	EA	Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal .....	549.04
		Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0003	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal .....	823.57
		Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0004	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal .....	1,098.08
		Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0005	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal .....	1,647.14
		Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0006	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal .....	2,196.18
		Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0007	EA	>48" To 60" D.B.H. (Diameter At Breast Height) Tree Removal .....	2,745.22
		Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0008	EA	>60" To 72" D.B.H. (Diameter At Breast Height) Tree Removal .....	3,294.26
		Note: Includes cutting up tree, chipping and loading.	
		<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	-686.31
31 13 13 00-0009	EA	>72" To 84" D.B.H. (Diameter At Breast Height) Tree Removal .....	4,392.36
		Note: Includes cutting up tree, chipping and loading.	
		<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	-1,098.09

**31 13 13 00-0010 Stump Removal** <sup>(31 13 13)</sup>

Note: Measured by diameter of stump.

**31 13 13 00-0011 Stump Removal By Machine** <sup>(31 13 13 00-0010)</sup>

31 13 13 00-0012	EA	Up To 6" Diameter Stump Removal.....	98.40
		Note: Includes excavation necessary to remove stump and loading.	
31 13 13 00-0013	EA	>6" To 12" Diameter Stump Removal .....	188.61
		Note: Includes excavation necessary to remove stump and loading.	
31 13 13 00-0014	EA	>12" To 24" Diameter Stump Removal .....	246.00
		Note: Includes excavation necessary to remove stump and loading.	
31 13 13 00-0015	EA	>24" To 36" Diameter Stump Removal .....	369.02
		Note: Includes excavation necessary to remove stump and loading.	
31 13 13 00-0016	EA	>36" To 48" Diameter Stump Removal .....	434.63
		Note: Includes excavation necessary to remove stump and loading.	
31 13 13 00-0017	EA	>48" To 60" Diameter Stump Removal .....	511.68
		Note: Includes excavation necessary to remove stump and loading.	
31 13 13 00-0018	EA	>60" To 72" Diameter Stump Removal .....	606.80
		Note: Includes excavation necessary to remove stump and loading.	
31 13 13 00-0019	EA	>72" To 84" Diameter Stump Removal .....	713.41
		Note: Includes excavation necessary to remove stump and loading.	

**31 13 13 00-0020 Stump Removal By Hand** <sup>(31 13 13 00-0010)</sup>

31 13 13 00-0021	EA	Up To 6" Diameter Stump Removal By Hand .....	561.08
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	
31 13 13 00-0022	EA	>6" To 12" Diameter Stump Removal By Hand.....	701.35
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	
31 13 13 00-0023	EA	>12" To 24" Diameter Stump Removal By Hand.....	1,028.65
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	
31 13 13 00-0024	EA	>24" To 36" Diameter Stump Removal By Hand.....	1,402.69
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	
31 13 13 00-0025	EA	>36" To 48" Diameter Stump Removal By Hand.....	1,870.26
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	
31 13 13 00-0026	EA	>48" To 60" Diameter Stump Removal By Hand.....	2,337.82
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	
31 13 13 00-0027	EA	>60" To 72" Diameter Stump Removal By Hand.....	2,805.39
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	



	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 13 13 00-0028	EA	>72" To 84" Diameter Stump Removal By Hand.....	3,272.96	
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0029		<b>Stump Grinding</b> <small>(31 13 13)</small>		
		Note: Measured by diameter of stump.		
31 13 13 00-0030		<b>Stump Grinding, 18" Deep Below Surface Of Soil</b> <small>(31 13 13 00-0029)</small>		
		Note: Level soil to match existing surface area.		
31 13 13 00-0031	EA	Stump Grinding Up To 6" Tree .....	107.33	
		For 24" Depth, Add	21.47	
31 13 13 00-0032	EA	Stump Grinding >6" To 12" Tree .....	143.10	
		For 24" Depth, Add	28.62	
31 13 13 00-0033	EA	Stump Grinding >12" To 15" Tree .....	160.99	
		For 24" Depth, Add	32.20	
31 13 13 00-0034	EA	Stump Grinding >15" To 18" Tree .....	178.88	
		For 24" Depth, Add	35.78	
31 13 13 00-0035	EA	Stump Grinding >18" To 21" Tree .....	192.29	
		For 24" Depth, Add	38.46	
31 13 13 00-0036	EA	Stump Grinding >21" To 24" Tree .....	205.71	
		For 24" Depth, Add	41.14	
31 13 13 00-0037	EA	Stump Grinding >24" To 27" Tree .....	223.60	
		For 24" Depth, Add	44.72	
31 13 13 00-0038	EA	Stump Grinding >27" To 30" Tree .....	244.34	
		For 24" Depth, Add	48.87	
31 13 13 00-0039	EA	Stump Grinding >30" To 33" Tree .....	271.49	
		For 24" Depth, Add	54.30	
31 13 13 00-0040	EA	Stump Grinding >33" To 36" Tree .....	289.59	
		For 24" Depth, Add	57.92	
31 13 13 00-0041	EA	Stump Grinding >36" To 42" Tree .....	325.79	
		For 24" Depth, Add	65.16	
31 13 13 00-0042	EA	Stump Grinding >42" To 48" Tree .....	361.99	
		For 24" Depth, Add	72.40	
31 13 13 00-0043	EA	Stump Grinding >48" To 60" Tree .....	452.49	
		For 24" Depth, Add	90.50	
31 13 13 00-0044	EA	Stump Grinding >60" To 72" Tree .....	565.60	
		For 24" Depth, Add	113.12	
31 13 13 00-0045	EA	Stump Grinding >72" To 84" Tree .....	723.98	
		For 24" Depth, Add	144.80	
31 13 13 00-0046		<b>Shrub Removal</b> <small>(31 13 13)</small>		
31 13 13 00-0047	EA	Removal Of 18" To 24" Shrub, Broadleaf Evergreen .....	40.83	
31 13 13 00-0048	EA	Removal Of 2' To 3' Shrub, Broadleaf Evergreen .....	64.02	
31 13 13 00-0049	EA	Removal Of 3' To 4' Shrub, Broadleaf Evergreen .....	74.23	
31 13 13 00-0050	EA	Removal Of 4' To 5' Shrub, Broadleaf Evergreen .....	111.35	
31 13 13 00-0051	EA	Removal Of 12" To 15" Shrub, Deciduous .....	20.42	
31 13 13 00-0052	EA	Removal Of 18" To 24" Shrub, Deciduous .....	31.55	
31 13 13 00-0053	EA	Removal Of 2' To 3' Shrub, Deciduous .....	40.83	
31 13 13 00-0054	EA	Removal Of 3' To 4' Shrub, Deciduous .....	44.54	
31 13 13 00-0055	EA	Removal Of 18" To 24" Shrub, Evergreen .....	40.83	
31 13 13 00-0056	EA	Removal Of 24" To 30" Shrub, Evergreen .....	44.54	
31 13 13 00-0057	EA	Removal Of 30" To 36" Shrub, Evergreen .....	64.02	
31 13 13 00-0058	EA	Removal Of 36" To 42" Shrub, Evergreen .....	111.35	

**31 13 16 Selective Tree and Shrub Trimming** (31 13)

31 13 16 00-0001		<b>Tree Trimming For Pole Line Construction And Maintenance</b> <small>(31 13 16)</small>		
		Note: Area to be vertical cleared (to include overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.		
31 13 16 00-0002	LF	Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction .....	1.77	
31 13 16 00-0003	LF	Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction .....	2.65	
31 13 16 00-0004	LF	Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction .....	3.11	

**31 20 Earth Moving** (31)

Note: Per OSHA - Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

**31 23 Excavation and Fill** (31 23)

**31 23 16 Excavation** (31 23)

**31 23 16 13 Trenching** (31 23 16)

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

**31 Earthwork****31 20 Earth Moving****31 23 Excavation and Fill**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
31 23 16 13-0001		<b>Excavation For Trenching By Machine</b> <sup>(31 23 16 13)</sup>			
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.			
31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil .....	10.06		
		For Excavation In Light Material (Class A), Deduct .....	-1.26		
		For Excavation In Heavy/Wet Material (Class C), Add .....	4.02		
		For Up To 20, Add .....	8.05		
		For >20 To 50, Add .....	5.03		
		For >50 To 250, Add .....	2.52		
		For >500 To 1,000, Deduct .....	-1.51		
		For >1,000, Deduct .....	-3.02		
31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil .....	6.70		
		For Excavation In Light Material (Class A), Deduct .....	-0.84		
		For Excavation In Heavy/Wet Material (Class C), Add .....	2.68		
		For Up To 20, Add .....	5.36		
		For >20 To 50, Add .....	3.35		
		For >50 To 250, Add .....	1.68		
		For >500 To 1,000, Deduct .....	-1.01		
		For >1,000, Deduct .....	-2.01		
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock .....	16.65		
		Note: Includes compacted aggregate			
		For Up To 20, Add .....	13.32		
		For >20 To 50, Add .....	8.33		
		For >50 To 250, Add .....	4.16		
		For >500 To 1,000, Deduct .....	-2.50		
		For >1,000, Deduct .....	-5.00		
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock .....	11.89		
		Note: Includes compacted aggregate			
		For Up To 20, Add .....	9.51		
		For >20 To 50, Add .....	5.95		
		For >50 To 250, Add .....	2.97		
		For >500 To 1,000, Deduct .....	-1.78		
		For >1,000, Deduct .....	-3.57		
31 23 16 13-0006		<b>Excavation For Trenching By Hand</b> <sup>(31 23 16 13)</sup>			
31 23 16 13-0007	CY	Excavation For Trenching By Hand In Soil .....	113.09		
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.			
31 23 16 13-0008	CY	Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate .....	194.00		
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.			
31 23 16 13-0009		<b>Backfilling Or Placing Subbase For Trenches</b> <sup>(31 23 16 13)</sup>			
		Note: With imported or stockpiled materials.			
31 23 16 13-0010	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine .....	3.60		
		For Up To 20, Add .....	2.88		
		For >20 To 50, Add .....	1.80		
		For >50 To 250, Add .....	0.90		
		For >500 To 1,000, Deduct .....	-0.54		
		For >1,000, Deduct .....	-1.08		
31 23 16 13-0011	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand .....	31.42		
31 23 16 13-0012		<b>Compaction Of Fill Or Subbase For Trenches</b> <sup>(31 23 16 13)</sup>			
		Note: Includes restoration of final grade.			
31 23 16 13-0013	CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera .....	6.58		
		For Up To 20, Add .....	5.26		
		For >20 To 50, Add .....	3.29		
		For >50 To 250, Add .....	1.65		
		For >500 To 1,000, Deduct .....	-0.99		
		For >1,000, Deduct .....	-1.97		
31 23 16 13-0014	CY	Compaction of Fill or Subbase for Trenches by Hand .....	35.44		
31 23 16 13-0015		<b>Loading Excess Material For Removal From Excavation For Trenches</b> <sup>(31 23 16 13)</sup>			
		Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0039 for hauling.			
31 23 16 13-0016	CY	Load Excess Material by Machine for Removal from Excavation for Trenching .....	6.26		
		For Up To 20, Add .....	5.01		
		For >20 To 50, Add .....	3.13		
		For >50 To 250, Add .....	1.57		
		For >500 To 1,000, Deduct .....	-0.94		
		For >1,000, Deduct .....	-1.88		
31 23 16 13-0017	CY	Load Excess Material by Hand for Removal from Excavation for Trenching .....	82.93		
31 23 16 13-0018		<b>Spread Excess Or Imported Material For Trenches</b> <sup>(31 23 16 13)</sup>			
		Note: Includes hand work by laborer for clean-up.			
31 23 16 13-0019	CY	Spread Excess Or Imported Material On Site With Machine .....	2.95		
		For Up To 20, Add .....	2.36		
		For >20 To 50, Add .....	1.48		
		For >50 To 250, Add .....	0.74		
		For >500 To 1,000, Deduct .....	-0.44		
		For >1,000, Deduct .....	-0.89		
31 23 16 13-0020		<b>Direct Burial (Plowed-in) Cable Or Piping By Machine</b> <sup>(31 23 16 13)</sup>			
		Note: Includes trench, backfill, compaction and restoration of final grade.			
31 23 16 13-0021	LF	Direct Burial of Cable or Piping up to 12" Deep .....	2.22		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0022	LF		Direct Burial of Cable or Piping >12" to 24" Deep .....	2.44	
31 23 16 13-0023	LF		Direct Burial of Cable or Piping >24" to 36" Deep .....	3.46	
31 23 16 13-0024	LF		Direct Burial of Cable or Piping >36" to 48" Deep .....	3.90	
31 23 16 13-0025			Utility Chain Trencher <small>(31 23 16 13)</small>		
31 23 16 13-0026			Utility Trench, Chain Trencher <small>(31 23 16 13-0025)</small>		
			Note: Earth left adjacent to trench.		
31 23 16 13-0027	LF		4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher .....	1.20	
			For >100 To 250, Deduct	-0.08	
			For >250 To 500, Deduct	-0.18	
			For >500, Deduct	-0.36	
31 23 16 13-0028	LF		4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher .....	1.31	
			For >100 To 250, Deduct	-0.09	
			For >250 To 500, Deduct	-0.20	
			For >500, Deduct	-0.39	
31 23 16 13-0029	LF		4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher .....	1.36	
			For >100 To 250, Deduct	-0.10	
			For >250 To 500, Deduct	-0.20	
			For >500, Deduct	-0.41	
31 23 16 13-0030	LF		6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher .....	1.44	
			For >100 To 250, Deduct	-0.10	
			For >250 To 500, Deduct	-0.22	
			For >500, Deduct	-0.43	
31 23 16 13-0031	LF		6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher .....	1.57	
			For >100 To 250, Deduct	-0.11	
			For >250 To 500, Deduct	-0.24	
			For >500, Deduct	-0.47	
31 23 16 13-0032	LF		6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher .....	1.80	
			For >100 To 250, Deduct	-0.13	
			For >250 To 500, Deduct	-0.27	
			For >500, Deduct	-0.54	
31 23 16 13-0033	LF		6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher .....	2.15	
			For >100 To 250, Deduct	-0.15	
			For >250 To 500, Deduct	-0.32	
			For >500, Deduct	-0.65	
31 23 16 13-0034	LF		8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher .....	2.04	
			For >100 To 250, Deduct	-0.14	
			For >250 To 500, Deduct	-0.31	
			For >500, Deduct	-0.61	
31 23 16 13-0035	LF		8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher .....	2.40	
			For >100 To 250, Deduct	-0.17	
			For >250 To 500, Deduct	-0.36	
			For >500, Deduct	-0.72	
31 23 16 13-0036	LF		8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher .....	2.72	
			For >100 To 250, Deduct	-0.19	
			For >250 To 500, Deduct	-0.41	
			For >500, Deduct	-0.82	
31 23 16 13-0037	LF		8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher .....	3.23	
			For >100 To 250, Deduct	-0.23	
			For >250 To 500, Deduct	-0.48	
			For >500, Deduct	-0.97	
31 23 16 13-0038			Backfill Trenches With Compaction <small>(31 23 16 13-0025)</small>		
31 23 16 13-0039	LF		Backfill 4" Wide, 12" Deep Trench, With Compaction .....	0.19	
			For >100 To 250, Deduct	-0.01	
			For >250 To 500, Deduct	-0.03	
			For >500, Deduct	-0.06	
31 23 16 13-0040	LF		Backfill 4" Wide, 18" Deep Trench, With Compaction .....	0.30	
			For >100 To 250, Deduct	-0.02	
			For >250 To 500, Deduct	-0.05	
			For >500, Deduct	-0.09	
31 23 16 13-0041	LF		Backfill 4" Wide, 24" Deep Trench, With Compaction .....	0.39	
			For >100 To 250, Deduct	-0.03	
			For >250 To 500, Deduct	-0.06	
			For >500, Deduct	-0.12	
31 23 16 13-0042	LF		Backfill 6" Wide, 12" Deep Trench, With Compaction .....	0.30	
			For >100 To 250, Deduct	-0.02	
			For >250 To 500, Deduct	-0.05	
			For >500, Deduct	-0.09	
31 23 16 13-0043	LF		Backfill 6" Wide, 18" Deep Trench, With Compaction .....	0.39	
			For >100 To 250, Deduct	-0.03	
			For >250 To 500, Deduct	-0.06	
			For >500, Deduct	-0.12	
31 23 16 13-0044	LF		Backfill 6" Wide, 24" Deep Trench, With Compaction .....	0.58	
			For >100 To 250, Deduct	-0.04	
			For >250 To 500, Deduct	-0.09	
			For >500, Deduct	-0.17	
31 23 16 13-0045	LF		Backfill 6" Wide, 36" Deep Trench, With Compaction .....	0.84	
			For >100 To 250, Deduct	-0.06	
			For >250 To 500, Deduct	-0.13	
			For >500, Deduct	-0.25	
31 23 16 13-0046	LF		Backfill 8" Wide, 12" Deep Trench, With Compaction .....	0.39	
			For >100 To 250, Deduct	-0.03	
			For >250 To 500, Deduct	-0.06	
			For >500, Deduct	-0.12	

**31 Earthwork****31 20 Earth Moving****31 23 Excavation and Fill**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
31 23 16 13-0047	LF Backfill 8" Wide, 18" Deep Trench, With Compaction .....	0.58	
	<i>For &gt;100 To 250, Deduct</i>	-0.04	
	<i>For &gt;250 To 500, Deduct</i>	-0.09	
	<i>For &gt;500, Deduct</i>	-0.17	
31 23 16 13-0048	LF Backfill 8" Wide, 24" Deep Trench, With Compaction .....	0.78	
	<i>For &gt;100 To 250, Deduct</i>	-0.05	
	<i>For &gt;250 To 500, Deduct</i>	-0.12	
	<i>For &gt;500, Deduct</i>	-0.23	
31 23 16 13-0049	LF Backfill 8" Wide, 36" Deep Trench, With Compaction .....	1.17	
	<i>For &gt;100 To 250, Deduct</i>	-0.08	
	<i>For &gt;250 To 500, Deduct</i>	-0.18	
	<i>For &gt;500, Deduct</i>	-0.35	
<b>31 23 16 26</b>	<b>Rock Removal</b> <small>(31 23 16)</small>		
<b>31 23 16 26-0001</b>	<b>Rock Breaking By Machine</b> <small>(31 23 16 26)</small>		
	Note: Excludes excavation of broken-up rock.		
31 23 16 26-0002	CY Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone).....	26.57	
31 23 16 26-0003	CY Rock Breaking By Machine, Medium Metamorphic Rock (Slate) .....	28.34	
31 23 16 26-0004	CY Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt).....	33.65	
<b>31 23 16 33</b>	<b>Bulk Excavation</b> <small>(31 23 16)</small>		
	Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for For less than 500 CY excavation.		
<b>31 23 16 33-0001</b>	<b>Excavation</b> <small>(31 23 16 33)</small>		
	Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.		
31 23 16 33-0002	CY Bulk Excavation by Dozer in Soil.....	9.24	
	<i>For Excavation In Light Material (Class A), Deduct</i>	-1.16	
	<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	3.70	
	<i>For &gt;1,000, Deduct</i>	-1.39	
31 23 16 33-0003	CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil.....	5.40	
	<i>For Excavation In Light Material (Class A), Deduct</i>	-0.68	
	<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	2.16	
	<i>For &gt;1,000, Deduct</i>	-0.81	
31 23 16 33-0004	CY Bulk Excavation by Dozer in Loose Rock.....	11.37	
	Note: Includes compacted aggregate		
	<i>For &gt;1,000, Deduct</i>	-1.71	
31 23 16 33-0005	CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock.....	6.65	
	Note: Includes compacted aggregate		
	<i>For &gt;1,000, Deduct</i>	-1.00	
<b>31 23 16 33-0006</b>	<b>Spreading, Shaping And Rough Grading</b> <small>(31 23 16 33)</small>		
	Note: Imported or stockpiled material for bulk excavation.		
31 23 16 33-0007	CY Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine .....	5.71	
	<i>For &gt;1,000, Deduct</i>	-0.86	
<b>31 23 16 33-0008</b>	<b>Cutting, Shaping and Rough Grading Of Existing Elevations</b> <small>(31 23 16 33)</small>		
	Note: For bulk excavation.		
31 23 16 33-0009	CY Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine .....	6.34	
	<i>For &gt;1,000, Deduct</i>	-0.95	
<b>31 23 16 33-0010</b>	<b>Relocating On Site Excavated Material From Excavation</b> <small>(31 23 16 33)</small>		
	Note: For bulk excavation.		
31 23 16 33-0011	CY Relocating On Site Excavated Material From Bulk Excavation >100' to 300'.....	5.08	
	<i>For &gt;1,000, Deduct</i>	-0.76	
31 23 16 33-0012	CY Relocating On Site Excavated Material From Bulk Excavation >300' to 500'.....	7.61	
	<i>For &gt;1,000, Deduct</i>	-1.14	
31 23 16 33-0013	CY Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'.....	11.41	
	<i>For &gt;1,000, Deduct</i>	-1.71	
31 23 16 33-0014	CY Relocating On Site Excavated Material From Bulk Excavation >1,000' .....	15.22	
	<i>For &gt;1,000, Deduct</i>	-2.28	
<b>31 23 16 33-0015</b>	<b>Finish Grading</b> <small>(31 23 16 33)</small>		
	Note: For bulk excavation.		
31 23 16 33-0016	SY Finish Grading for Bulk Excavation by Machine.....	0.63	
<b>31 23 16 33-0017</b>	<b>Compaction Of Fill Or Subbase, Per Lift</b> <small>(31 23 16 33)</small>		
	Note: For bulk excavation.		
31 23 16 33-0018	SY Compaction of Fill or Subbase for Bulk Excavation by Machine .....	0.63	
	Note: Per Lift		
<b>31 23 16 33-0019</b>	<b>Loading Excess Material For Removal From Excavation</b> <small>(31 23 16 33)</small>		
	Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0039 for hauling.		
31 23 16 33-0020	CY Loading Excess Material For Removal From Bulk Excavation.....	5.38	
	<i>For &gt;1,000, Deduct</i>	-0.81	

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>31 23 16 36</b>	<b>Excavation for Building Foundations and Other Structures</b> <small>(31 23 16)</small>		
	Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.		
<b>31 23 16 36-0001</b>	<b>Excavation</b> <small>(31 23 16 36)</small>		
	Note: For building foundations and other structures by machine. Includes stockpiling excess materials within 100' of point of excavation, shaping, trimming and rough grading excavation.		
<b>31 23 16 36-0002</b>	<b>Excavation For Building Foundations And Other Structures By Skid-Steer Loader</b> <small>(31 23 16 36-0001)</small>		
31 23 16 36-0003	CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil .....	8.33	
	<i>For Excavation In Light Material (Class A), Deduct</i>	-1.04	
	<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	3.33	
	<i>For Up To 20, Add</i>	8.33	
	<i>For &gt;20 To 50, Add</i>	6.25	
	<i>For &gt;50 To 250, Add</i>	3.33	
	<i>For &gt;250 To 500, Add</i>	1.25	
31 23 16 36-0004	CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock .....	10.38	
	Note: Includes compacted aggregate		
	<i>For Up To 20, Add</i>	10.38	
	<i>For &gt;20 To 50, Add</i>	7.79	
	<i>For &gt;50 To 250, Add</i>	4.15	
	<i>For &gt;250 To 500, Add</i>	1.56	
<b>31 23 16 36-0005</b>	<b>Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader</b> <small>(31 23 16 36-0001)</small>		
31 23 16 36-0006	CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil.....	6.49	
	<i>For Excavation In Light Material (Class A), Deduct</i>	-0.81	
	<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	2.60	
	<i>For Up To 20, Add</i>	6.49	
	<i>For &gt;20 To 50, Add</i>	4.87	
	<i>For &gt;50 To 250, Add</i>	2.60	
	<i>For &gt;250 To 500, Add</i>	0.97	
31 23 16 36-0007	CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock.....	7.72	
	Note: Includes compacted aggregate		
	<i>For Up To 20, Add</i>	7.72	
	<i>For &gt;20 To 50, Add</i>	5.79	
	<i>For &gt;50 To 250, Add</i>	3.09	
	<i>For &gt;250 To 500, Add</i>	1.16	
<b>31 23 16 36-0008</b>	<b>Excavation For Building Foundations And Other Structures By Hand</b> <small>(31 23 16 36-0001)</small>		
	Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009	CY Excavation For Building Foundations And Other Structures By Hand in Soil.....	113.09	
	<i>For Excavation In Light Material (Class A), Deduct</i>	-14.14	
	<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	45.24	
31 23 16 36-0010	CY Excavation For Building Foundations And Other Structures By Hand in Loose Rock.....	194.00	
	Note: Includes compacted aggregate		
<b>31 23 16 36-0011</b>	<b>Relocating On Site Excavated Material From Excavation</b> <small>(31 23 16 36)</small>		
	Note: For building foundations and other structures over 100'.		
31 23 16 36-0012	CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >100' to 300' .....	5.08	
	<i>For Up To 20, Add</i>	5.08	
	<i>For &gt;20 To 50, Add</i>	3.81	
	<i>For &gt;50 To 250, Add</i>	2.03	
	<i>For &gt;250 To 500, Add</i>	0.76	
31 23 16 36-0013	CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >300' to 500' .....	7.61	
	<i>For Up To 20, Add</i>	7.61	
	<i>For &gt;20 To 50, Add</i>	5.71	
	<i>For &gt;50 To 250, Add</i>	3.04	
	<i>For &gt;250 To 500, Add</i>	1.14	
31 23 16 36-0014	CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >500' to 1,000' .....	11.41	
	<i>For Up To 20, Add</i>	11.41	
	<i>For &gt;20 To 50, Add</i>	8.56	
	<i>For &gt;50 To 250, Add</i>	4.56	
	<i>For &gt;250 To 500, Add</i>	1.71	
31 23 16 36-0015	CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >1,000' .....	15.22	
	<i>For Up To 20, Add</i>	15.22	
	<i>For &gt;20 To 50, Add</i>	11.42	
	<i>For &gt;50 To 250, Add</i>	6.09	
	<i>For &gt;250 To 500, Add</i>	2.28	
<b>31 23 16 36-0016</b>	<b>Backfilling</b> <small>(31 23 16 36)</small>		
	Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading.		
31 23 16 36-0017	CY Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader .....	4.12	
	<i>For Up To 20, Add</i>	4.12	
	<i>For &gt;20 To 50, Add</i>	3.09	
	<i>For &gt;50 To 250, Add</i>	1.65	
	<i>For &gt;250 To 500, Add</i>	0.62	

**31 Earthwork****31 20 Earth Moving****31 23 Excavation and Fill**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0018	CY		Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader.....	5.02	
			<i>For Up To 20, Add</i>	5.02	
			<i>For &gt;20 To 50, Add</i>	3.77	
			<i>For &gt;50 To 250, Add</i>	2.01	
			<i>For &gt;250 To 500, Add</i>	0.75	
31 23 16 36-0019	CY		Backfilling Around Building Foundations And Other Structures By Hand.....	53.86	
<b>31 23 16 36-0020</b>			<b>Compaction Of Fill Or Subbase</b> <small>(31 23 16 36)</small>		
			Note: For building foundations and other structures.		
31 23 16 36-0021	CY		Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera .....	10.43	
			<i>For Up To 20, Add</i>	10.43	
			<i>For &gt;20 To 50, Add</i>	7.82	
			<i>For &gt;50 To 250, Add</i>	4.17	
			<i>For &gt;250 To 500, Add</i>	1.56	
31 23 16 36-0022	CY		Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand .....	35.43	
<b>31 23 16 36-0023</b>			<b>Grading</b> <small>(31 23 16 36)</small>		
			Note: For building foundations and other structures.		
31 23 16 36-0024	SY		Rough Grading For Building Foundations And Other Structures by Machine .....	1.09	
31 23 16 36-0025	SY		Finish Grading For Building Foundations And Other Structures by Machine .....	1.76	
31 23 16 36-0026	SY		Finish Grading For Building Foundations And Other Structures by Hand .....	10.47	
<b>31 23 16 36-0027</b>			<b>Loading Excess Material For Removal From Excavation</b> <small>(31 23 16 36)</small>		
			Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0039 for hauling.		
31 23 16 36-0028	CY		Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine .....	5.60	
			<i>For Up To 20, Add</i>	5.60	
			<i>For &gt;20 To 50, Add</i>	4.20	
			<i>For &gt;50 To 250, Add</i>	2.24	
			<i>For &gt;250 To 500, Add</i>	0.84	
31 23 16 36-0029	CY		Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand .....	82.93	
<b>31 23 16 36-0030</b>			<b>Spread Material</b> <small>(31 23 16 36)</small>		
			Note: For building foundations and other structures.		
31 23 16 36-0031	CY		Spread Excess Or Imported Material On Site By Machine.....	2.95	
			<i>For Up To 20, Add</i>	2.95	
			<i>For &gt;20 To 50, Add</i>	2.21	
			<i>For &gt;50 To 250, Add</i>	1.18	
			<i>For &gt;250 To 500, Add</i>	0.44	
31 23 16 36-0032	CY		Spread Excess Or Imported Material On Site By Hand.....	45.76	
<b>31 23 19 Dewatering</b> <small>(31 23)</small>					
<b>31 23 19 00-0001</b>			<b>Well Point Dewatering System</b> <small>(31 23 19)</small>		
<b>31 23 19 00-0002</b>			<b>Delivery, Installation And Removal Cost</b> <small>(31 23 19 00-0001)</small>		
			Note: Priced by linear foot of header used.		
31 23 19 00-0003	LF		Up To 100' In Length Well Point System Delivery, Installation And Removal .....	115.99	
31 23 19 00-0004	LF		>100' To 250' In Length Well Point System Delivery, Installation And Removal .....	63.80	
31 23 19 00-0005	LF		>250' To 500' In Length Well Point System Delivery, Installation And Removal .....	58.00	
31 23 19 00-0006	LF		>250' To 500' In Length Well Point System Delivery, Installation And Removal .....	52.19	
31 23 19 00-0007	LF		>500' To 1,000' In Length Well Point System Delivery, Installation And Removal .....	46.39	
31 23 19 00-0008	LF		>1,000' In Length Well Point System Delivery, Installation And Removal .....	40.60	
<b>31 23 19 00-0009</b>			<b>Well Point Dewatering System Rental</b> <small>(31 23 19 00-0001)</small>		
			Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.		
31 23 19 00-0010	LFD		Up To 100' In Length Well Point System Rental (LF x Days = Quantity).....	1.78	
			<i>For &gt;5 Days And &lt;1 Month, Deduct</i>	-0.39	
			<i>For &gt;1 Month, Deduct</i>	-0.50	
31 23 19 00-0011	LFD		>100' To 250' In Length Well Point System Rental (LF x Days = Quantity) .....	1.04	
			<i>For &gt;5 Days And &lt;1 Month, Deduct</i>	-0.23	
			<i>For &gt;1 Month, Deduct</i>	-0.29	
31 23 19 00-0012	LFD		>250' To 500' In Length Well Point System Rental (LF x Days = Quantity) .....	0.74	
			<i>For &gt;5 Days And &lt;1 Month, Deduct</i>	-0.16	
			<i>For &gt;1 Month, Deduct</i>	-0.21	
31 23 19 00-0013	LFD		>500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity) .....	0.54	
			<i>For &gt;5 Days And &lt;1 Month, Deduct</i>	-0.12	
			<i>For &gt;1 Month, Deduct</i>	-0.15	
31 23 19 00-0014	LFD		>1,000' In Length Well Point System Rental (LF x Days = Quantity) .....	0.49	
			<i>For &gt;5 Days And &lt;1 Month, Deduct</i>	-0.11	
			<i>For &gt;1 Month, Deduct</i>	-0.14	
<b>31 23 19 00-0015</b>			<b>Well Point Dewatering System Operation Costs</b> <small>(31 23 19 00-0001)</small>		
			Note: The quantity for operation shall be the total number of hours the well point system is operational.		

<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Excavation and Fill</b>	<b>31 23</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 23 19 00-0016 HR Operation Costs .....103.27

**31 23 23 Fill** (31 23)

**31 23 23 23 Compaction** (31 23 23)

**31 23 23 23-0001 Compaction Water, Water Truck And Operator** (31 23 23 23)

31 23 23 23-0002 MGL Compaction Water, Water Truck And Operator .....186.08  
 Note: Use this task in situations where fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per 1000 Gallons) See CSI section 01 22 23 00-1310 for water truck when water is available on site.

**31 23 23 33 Flowable Fill** (31 23 23)

**31 23 23 33-0001 Flowable Cement Backfill For Trenches** (31 23 23 33)

31 23 23 33-0002 CY Flowable Cement Backfill for Trenches .....180.35  
 Note: Includes compaction and restoration of final grade.  
*For Up To 20, Add* 67.40  
*For >20 To 50, Add* 44.05  
*For >50 To 250, Add* 22.02  
*For >500 To 1,000, Deduct* -11.68  
*For >1,000, Deduct* -23.35

**31 24 Embankments** (31 24)

**31 24 13 Roadway Embankments** (31 24)

**31 24 13 00-0001 Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations** (31 24 13)

Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY.

**31 24 13 00-0002 Cutting, Shaping And Rough Grading** (31 24 13 00-0001)

Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.

**31 24 13 00-0003 Cutting, Shaping, And Rough Grading** (31 24 13 00-0002)

31 24 13 00-0004 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil .....6.34  
*For Up To 20, Add* 6.34  
*For >20 To 50, Add* 4.76  
*For >50 To 250, Add* 2.54  
*For >250 To 500, Add* 0.95  
*For >1,000, Deduct* -0.95

31 24 13 00-0005 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock .....7.86  
 Note: Includes compacted aggregate  
*For Up To 20, Add* 7.86  
*For >20 To 50, Add* 5.90  
*For >50 To 250, Add* 3.14  
*For >250 To 500, Add* 1.18  
*For >1,000, Deduct* -1.18

**31 24 13 00-0006 Cutting, Shaping, And Rough Grading By Hand** (31 24 13 00-0002)

31 24 13 00-0007 SY Shape Embankment/Slope By Hand Up To 1 On 4 Slope .....5.80  
 31 24 13 00-0008 SY Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope .....7.54

**31 24 13 00-0009 Scarify Soil** (31 24 13 00-0001)

Note: For roadways, parking areas, landscaping and embankments by machine.

31 24 13 00-0010 CSF Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine .....5.87  
*For Up To 20, Add* 2.94  
*For >20 To 50, Add* 1.47  
*For >250 To 500, Deduct* -0.59  
*For >500, Deduct* -1.17

**31 24 13 00-0011 Relocating On Site Excavated Material** (31 24 13 00-0001)

31 24 13 00-0012 CY >500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine .....11.41  
*For Up To 20, Add* 11.41  
*For >20 To 50, Add* 8.56  
*For >50 To 250, Add* 4.56  
*For >250 To 500, Add* 1.71  
*For >1,000, Deduct* -1.71

31 24 13 00-0013 CY >1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine .....15.22  
*For Up To 20, Add* 15.22  
*For >20 To 50, Add* 11.42  
*For >50 To 250, Add* 6.09  
*For >250 To 500, Add* 2.28  
*For >1,000, Deduct* -2.28

**31 Earthwork****31 20 Earth Moving****31 24 Embankments**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0014			<b>Spread And Shape Imported Or Stockpiled Material</b> (31 24 13 00-0001) Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.		
31 24 13 00-0015	CY		Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine .....	6.98	
			For Up To 20, Add .....	6.98	
			For >20 To 50, Add .....	5.24	
			For >50 To 250, Add .....	2.79	
			For >250 To 500, Add .....	1.05	
			For >1,000, Deduct .....	-1.05	
31 24 13 00-0016			<b>Grading</b> (31 24 13 00-0001) Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0017	SY		Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine .....	0.71	
31 24 13 00-0018	SY		Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine .....	0.95	
31 24 13 00-0019	LF		Finish Grade For Curb .....	1.06	
31 24 13 00-0020	LF		Finish Grade For Curb And Gutter .....	1.30	
31 24 13 00-0021			<b>Compaction Of Fill Or Subbase</b> (31 24 13 00-0001) Note: For roadways, parking areas, landscaping and embankments by machine, per lift.		
31 24 13 00-0022	SY		Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift .....	0.63	
			For Up To 250, Add .....	0.63	
			For >250 To 500, Add .....	0.47	
			For >500 To 1,000, Add .....	0.25	
			For >5,000, Deduct .....	-0.09	
31 24 13 00-0023			<b>Loading Excess Material For Removal From Excavation</b> (31 24 13 00-0001) Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.		
31 24 13 00-0024	CY		Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine .....	5.38	
			For Up To 20, Add .....	5.38	
			For >20 To 50, Add .....	4.04	
			For >50 To 250, Add .....	2.15	
			For >250 To 500, Add .....	0.81	
			For >1,000, Deduct .....	-0.81	
31 25			<b>Erosion and Sedimentation Controls</b> (31 20)		
31 25 14			<b>Stabilization Measures for Erosion and Sedimentation Control</b> (31 25)		
31 25 14 13			<b>Hydraulically-Applied Erosion Control</b> (31 25 14)		
31 25 14 13-0001			<b>Bonded Fiber Matrix</b> (31 25 14 13)		
31 25 14 13-0002	MSF		Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied .....	49.15	
31 25 14 13-0003	MSF		>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied .....	44.73	
31 25 14 13-0004	MSF		>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied .....	40.99	
31 25 14 13-0005	MSF		>100,000 Bonded Fiber Matrix, Hydraulically Applied .....	38.86	
31 25 14 16			<b>Rolled Erosion Control Mats and Blankets</b> (31 25 14) Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.		
31 25 14 16-0001			<b>Erosion Control Blankets And Turf Reinforcement Mats</b> (31 25 14 16)		
31 25 14 16-0002			<b>Erosion Control Blankets, Short Term, Light Duty</b> (31 25 14 16-0001)		
31 25 14 16-0003	SY		S75 Single Net Erosion Control Blanket .....	1.83	
			Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0004	SY		S75BN Single Net Erosion Control Blanket .....	2.25	
			Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.		
31 25 14 16-0005	SY		Curlex 1, Single Net Erosion Control Blanket .....	1.76	
			Note: As manufactured by American Excelsior		
31 25 14 16-0006	SY		Curlex 1, Single Net Erosion Control Blanket .....	1.83	
			Note: As manufactured by American Green.		
31 25 14 16-0007	SY		Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting .....	1.67	
31 25 14 16-0008			<b>Erosion Control Blankets, Intermediate Duration</b> (31 25 14 16-0001)		
31 25 14 16-0009	SY		S150 Double Net Erosion Control Blanket .....	2.32	
			Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0010	SY		S150 BN Double Net Erosion Control Blanket .....	2.97	
			Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.		
31 25 14 16-0011	SY		Curlex II, Double Net Erosion Control Blanket, Natural .....	2.01	
			Note: As manufactured by American Excelsior.		
31 25 14 16-0012	SY		Curlex II, Double Net Erosion Control Blanket, Green .....	2.09	
			Note: As manufactured by American Excelsior.		
31 25 14 16-0013	SY		Enforcer Double Net Erosion Control Blanket .....	2.19	
			Note: As manufactured by American Excelsior.		



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>31 25 14 16-0014</b>	<b>Turf Reinforcement Mats (TRM)</b> <small>(31 25 14 16-0001)</small> Note: Permanent, UV stabilized.		
31 25 14 16-0015	SY P300 Permanent Polypropylene Turf Reinforcement Mat.....	10.64	
31 25 14 16-0016	SY C350 Permanent Turf Reinforcement Mat ..... Note: 100% synthetic, UV stabilized, two layer netting.	9.83	
31 25 14 16-0017	SY Recyclex TRM, Permanent Turf Reinforcement Mat..... Note: As manufactured by American Excelsior, 100% recycled	9.09	
<b>31 25 14 16-0018</b>	<b>Jute Mesh Erosion Control Blankets</b> <small>(31 25 14 16-0001)</small>		
31 25 14 16-0019	SY Jute Mesh, Open Uniform Weave .....	2.06	
<b>31 25 14 16-0020</b>	<b>Revegetation Mat</b> <small>(31 25 14 16-0001)</small>		
31 25 14 16-0021	SY 3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber ..... Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.	7.96	
31 25 14 16-0022	SY Webbed Revegetation Mat, Polypropylene Fiber ..... Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.	11.35	
<b>31 25 14 23</b>	<b>Stabilization Measures for Erosion Control</b> <small>(31 25 14)</small> See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.		
<b>31 25 14 23-0001</b>	<b>Sand Bags</b> <small>(31 25 14 23)</small> Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0002	BAG 50 LB Capacity Sand Bag With Sand ..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	5.78 -0.48 -1.05	2.38
31 25 14 23-0003	BAG 75 LB Capacity Sand Bag With Sand ..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	7.46 -0.59 -1.34	2.96
31 25 14 23-0004	BAG 100 LB Capacity Sand Bag With Sand ..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	9.38 -0.71 -1.65	3.54
31 25 14 23-0005	BAG 125 LB Capacity Sand Bag With Sand ..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	11.57 -0.89 -2.04	4.43
31 25 14 23-0006	BAG 150 LB Capacity Sand Bag With Sand ..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	14.06 -1.06 -2.47	5.31
31 25 14 23-0007	BAG 175 LB Capacity Sand Bag With Sand ..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	16.34 -1.21 -2.84	6.04
31 25 14 23-0008	BAG 2,000 LB Capacity Sand Bag With Sand..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	133.86 -8.20 -21.59	43.12
31 25 14 23-0009	BAG 3,000 LB Capacity Sand Bag With Sand..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	173.81 -9.02 -26.40	47.43
<b>31 25 14 23-0010</b>	<b>Gravel Bags</b> <small>(31 25 14 23)</small> Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0011	BAG 30 LB Capacity Gravel Bag With Gravel ..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	4.73 -0.31 -0.79	1.59
31 25 14 23-0012	BAG 50 LB Capacity Gravel Bag With Gravel ..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	8.43 -0.48 -1.32	2.38
<b>31 25 14 23-0013</b>	<b>Floating Turbidity Curtain</b> <small>(31 25 14 23)</small> Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6 in. x 6 in., 13.5 lb./ft. buoyancy in fresh water and 14.4 lb./ft buoyancy in saltwater.		
31 25 14 23-0014	LF 3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	22.80 -3.51 -2.14 2.59	
31 25 14 23-0015	LF 4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	24.70 -3.86 -2.35 2.85	
31 25 14 23-0016	LF 5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	27.33 -4.37 -2.66 3.23	
31 25 14 23-0017	LF 6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	29.57 -4.79 -2.92 3.54	
31 25 14 23-0018	LF 7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	31.03 -5.03 -3.06 3.71	

**31 Earthwork****31 20 Earth Moving****31 25 Erosion and Sedimentation Controls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0019	LF	8'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	32.51 -5.26 -3.20 3.89	
31 25 14 23-0020	LF	9'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	34.21 -5.54 -3.37 4.10	
31 25 14 23-0021	LF	10'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	36.53 -5.96 -3.63 4.41	
31 25 14 23-0022	LF	12'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	38.40 -6.27 -3.81 4.63	
31 25 14 23-0023	LF	13'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	40.87 -6.71 -4.08 4.96	
31 25 14 23-0024	LF	14'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	43.20 -7.11 -4.33 5.25	
31 25 14 23-0025	LF	15'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	45.43 -7.48 -4.55 5.53	
31 25 14 23-0026	LF	16'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	49.44 -8.25 -5.02 6.10	
31 25 14 23-0027	LF	17'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	51.84 -8.65 -5.27 6.39	
31 25 14 23-0028	LF	18'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	54.17 -9.02 -5.49 6.67	
31 25 14 23-0029	LF	19'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	56.65 -9.42 -5.73 6.96	
31 25 14 23-0030	LF	20'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	59.07 -9.80 -5.96 7.24	
31 25 14 23-0031			<b>Turbidity Curtain Anchors</b> <small>(31 25 14 23)</small>		
31 25 14 23-0032	EA	14 LB,	Turbidity Curtain Anchor System ..... Note: Includes anchor, anchor chain, and marker buoy and rope.	609.34	
31 25 14 23-0033	EA	25 LB,	Turbidity Curtain Anchor System ..... Note: Includes anchor, anchor chain, and marker buoy and rope.	834.97	
31 25 14 23-0034	EA	40 LB,	Turbidity Curtain Anchor System ..... Note: Includes anchor, anchor chain, and marker buoy and rope.	1,061.57	
31 25 14 23-0035	EA	65 LB,	Turbidity Curtain Anchor System ..... Note: Includes anchor, anchor chain, and marker buoy and rope.	1,387.92	
31 25 14 23-0036			<b>Filter Bags</b> <small>(31 25 14 23)</small>		
31 25 14 23-0037			<b>Non-Woven Filter Bags</b> <small>(31 25 14 23-0036)</small>		
31 25 14 23-0038	EA	6' x 15'	Non-Woven Filter Bag.....	175.69	
31 25 14 23-0039	EA	13' x 15'	Non-Woven Filter Bag.....	253.85	
31 25 14 23-0040	EA	15' x 15'	Non-Woven Filter Bag.....	292.30	
31 25 14 23-0041			<b>Monofilament Filter Bags</b> <small>(31 25 14 23-0036)</small>		
31 25 14 23-0042	EA	5' x 15'	Monofilament Filter Bag.....	182.54	
31 25 14 23-0043	EA	10' x 15'	Monofilament Filter Bag.....	252.29	
31 25 14 23-0044			<b>Cable Articulating Concrete Block</b> <small>(31 25 14 23)</small> Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 25 14 23-0045	SF	4.75"	Open Cell Articulated Concrete Block With Earth Backfill ..... <i>For Up To 500, Add</i> <i>For &gt;500 To 1,000, Add</i>	32.79 7.53 4.25	
31 25 14 23-0046	SF	6"	Open Cell Articulated Concrete Block With Earth Backfill ..... <i>For Up To 500, Add</i> <i>For &gt;500 To 1,000, Add</i>	37.22 8.50 4.78	
31 25 14 23-0047	SF	7.5"	Open Cell Articulated Concrete Block With Earth Backfill ..... <i>For Up To 500, Add</i> <i>For &gt;500 To 1,000, Add</i>	42.34 9.63 5.40	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 25 14 23-0048	SF 9" Open Cell Articulated Concrete Block With Earth Backfill.....	47.64	
	For Up To 500, Add	10.82	
	For >500 To 1,000, Add	6.05	
31 25 14 23-0049	SF 4.75" Closed Cell Articulated Concrete Block .....	34.81	
	For Up To 500, Add	7.93	
	For >500 To 1,000, Add	4.45	
31 25 14 23-0050	SF 6" Closed Cell Articulated Concrete Block .....	39.64	
	For Up To 500, Add	8.98	
	For >500 To 1,000, Add	5.02	
31 25 14 23-0051	SF 7.5" Closed Cell Articulated Concrete Block .....	45.21	
	For Up To 500, Add	10.20	
	For >500 To 1,000, Add	5.68	
31 25 14 23-0052	SF 9" Closed Cell Articulated Concrete Block .....	50.92	
	For Up To 500, Add	11.47	
	For >500 To 1,000, Add	6.38	

**31 25 14 26 Stabilization Measures for Sedimentation Control (31 25 14)**

31 25 14 26-0001	Silt Fences And Dike Barriers (31 25 14 26) Note: Includes stakes and embedding.		
31 25 14 26-0002	Silt Fences 2' High (31 25 14 26-0001)		
31 25 14 26-0003	LF 2' High Silt Fence with Stakes at 4' On Center.....	2.68	
31 25 14 26-0004	LF 2' High Silt Fence with Stakes at 6' On Center.....	2.10	
31 25 14 26-0005	LF 2' High Silt Fence with Stakes at 8' On Center.....	1.50	
31 25 14 26-0006	LF 2' High Silt Fence with Stakes at 10' On Center.....	1.29	
31 25 14 26-0007	Silt Fences 3' High (31 25 14 26-0001)		
31 25 14 26-0008	LF 3' High Silt Fence with Stakes at 4' On Center.....	2.77	
31 25 14 26-0009	LF 3' High Silt Fence with Stakes at 6' On Center.....	2.26	
31 25 14 26-0010	LF 3' High Silt Fence with Stakes at 8' On Center.....	1.41	
31 25 14 26-0011	LF 3' High Silt Fence with Stakes at 10' On Center.....	1.36	
31 25 14 26-0012	Silt Dike Barrier (31 25 14 26-0001)		
31 25 14 26-0013	LF Silt Dike Barrier With Stakes .....	3.15	
31 25 14 26-0014	Silt Fences Removal (31 25 14 26-0001)		
31 25 14 26-0015	LF Removal Of Silt Fence And Stakes.....	0.75	
31 25 14 26-0016	Hay And Straw Bales (31 25 14 26) Note: Includes trench for placement, and stakes.		
31 25 14 26-0017	LF Place Sterilized Straw Bales .....	4.18	
	Note: Includes securing in ground with stakes.		
31 25 14 26-0018	LF Place Hay Bales .....	3.88	
	Note: Includes securing in ground with stakes.		
31 25 14 26-0019	LF Removal Of Hay Or Straw Bales.....	1.35	
	Note: Includes removal of stakes.		
31 25 14 26-0020	Sediment Logs (Degradable) (31 25 14 26)		
31 25 14 26-0021	Sediment Logs (Degradable) (31 25 14 26-0020) Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0022	LF 12" Sediment Log.....	8.21	
31 25 14 26-0023	LF 20" Sediment Log.....	9.68	
31 25 14 26-0024	Wattles (Degradable) With UV Stabilized Synthetic Netting (31 25 14 26-0020) Note: Includes trench for placement, 24" wood staking at 4' on-center		
31 25 14 26-0025	EA Wattles (Sterile Straw Filled Rolls), 9" x 25' .....	146.97	
31 25 14 26-0026	EA Wattles (Sterile Straw Filled Rolls), 12" x 20' .....	139.92	
31 25 14 26-0027	Fiber Roll (CALTRANS Type 1) (31 25 14 26) Note: Includes furrow trench for placement, 24" wood staking at 4' on-center		
31 25 14 26-0028	LF 8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1 .....	6.12	
	For >1,000 To 10,000, Deduct	-0.69	
	For >10,000, Deduct	-1.16	
31 25 14 26-0029	LF 9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1 .....	6.97	
	For >1,000 To 10,000, Deduct	-0.71	
	For >10,000, Deduct	-1.21	
31 25 14 26-0030	LF 12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1 .....	8.74	
	For >1,000 To 10,000, Deduct	-0.85	
	For >10,000, Deduct	-1.45	
31 25 14 26-0031	Fiber Roll (CALTRANS Type 2) (31 25 14 26) Note: Includes 24" wood stakes at 2' on-center off-set on sides with ropes.		
31 25 14 26-0032	LF 8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2 .....	5.26	
	For >1,000 To 10,000, Deduct	-0.56	
	For >10,000, Deduct	-0.95	

<b>31</b>	<b>31 Earthwork</b>
	<b>31 20 Earth Moving</b>
	<b>31 25 Erosion and Sedimentation Controls</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25	14 26-0033	LF	9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2.....	6.07	
			<i>For &gt;1,000 To 10,000, Deduct</i>	-0.58	
			<i>For &gt;10,000, Deduct</i>	-0.99	
31 25	14 26-0034	LF	12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2.....	7.19	
			<i>For &gt;1,000 To 10,000, Deduct</i>	-0.62	
			<i>For &gt;10,000, Deduct</i>	-1.06	
<b>31 25</b>	<b>14 26-0035</b>		<b>Inlet Protection Sediment Bags</b> <small>(31 25 14 26)</small>		
			Note: Includes removal, cleaning, and replacement per each location.		
31 25	14 26-0036	EA	2' x 2' x 3' Inlet Protection Sediment Bag.....	50.08	
31 25	14 26-0037	EA	2' x 3' x 3' Inlet Protection Sediment Bag.....	62.50	
31 25	14 26-0038	EA	2' x 4' x 3' Inlet Protection Sediment Bag.....	76.89	

**31 30 Earthwork Methods** (31)

**31 31 Soil Treatment** (31 30)

**31 31 16 Termite Control** (31 31)

**31 31 16 13 Chemical Termite Control** (31 31 16)

**31 31 16 13-0001 Commercial Use** (31 31 16 13)

31 31 16 13-0002	SF	Termite Pretreatment, Commercial Soil Poisoning Under Slab.....	0.90
31 31 16 13-0003	SF	Termite Pretreatment, Commercial Slab And Walls.....	0.90

**31 31 16 13-0004 Residential Use** (31 31 16 13)

31 31 16 13-0005	SF	Termite Pretreatment, Residential General Spraying Walls And Slab.....	0.80
31 31 16 13-0006	SF	Termite Treatment, Existing Residential Structure.....	1.10

**31 31 19 Vegetation Control** (31 31)

**31 31 19 13 Chemical Vegetation Control** (31 31 19)

**31 31 19 13-0001 Soil Sterilants** (31 31 19 13)

31 31 19 13-0002	MSF	Soil Sterilant.....	24.19
		Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.	
		<i>For &gt;45 To 90, Deduct</i>	-0.41
		<i>For &gt;90 To 225, Deduct</i>	-2.03
		<i>For &gt;225, Deduct</i>	-2.84

**31 32 Soil Stabilization** (31 30)

**31 32 13 Soil Mixing Stabilization** (31 32)

**31 32 13 16 Cement Soil Stabilization** (31 32 13)

**31 32 13 16-0001 Cementitious Soil Binder** (31 32 13 16)

31 32 13 16-0002	CY	Cementitious Soil Binder, 4% Cement Mix By Volume.....	32.90
31 32 13 16-0003	CY	Cementitious Soil Binder, 6% Cement Mix By Volume.....	37.35
31 32 13 16-0004	CY	Cementitious Soil Binder, 9% Cement Mix By Volume.....	44.68
31 32 13 16-0005	CY	Cementitious Soil Binder, 12% Cement Mix By Volume.....	51.89

**31 32 13 19 Lime Soil Stabilization** (31 32 13)

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

**31 32 13 19-0001 Lime Slurry** (31 32 13 19)

31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume.....	29.01
31 32 13 19-0003	TON	Cement Stabilized Base Material.....	56.62
31 32 13 19-0004	CWT	Lime For Soil Stabilization.....	8.07
		Note: Excludes the cost for spreading or backfilling	
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization.....	16.69
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization.....	3.78

**31 32 13 19-0007 Lime Stabilized Subgrade** (31 32 13 19)

Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).

31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 LB.....	7.44
		<i>For 4% Lime Instead Of 5%, Deduct</i>	-0.14
		<i>For 6% Lime Instead Of 5%, Add</i>	0.14
31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 LB.....	8.64
		<i>For 4% Lime Instead Of 5%, Deduct</i>	-0.17
		<i>For 6% Lime Instead Of 5%, Add</i>	0.17
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 LB.....	9.85
		<i>For 4% Lime Instead Of 5%, Deduct</i>	-0.19
		<i>For 6% Lime Instead Of 5%, Add</i>	0.19

**31 32 13 29 Liquid Soil Stabilization** (31 32 13)

31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution.....	2.17
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MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**31 32 19 Geosynthetic Soil Stabilization and Layer Separation (31 32)**

**31 32 19 13 Geogrid Soil Stabilization (31 32 19)**

**31 32 19 13-0001 Geogrid Fabrics (31 32 19 13)**

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.

31 32 19 13-0002	SY	5.3 Ounce/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150).....	2.99	
		For Up To 50, Add	0.69	
		For >50 To 150, Add	0.51	
		For >150 To 250, Add	0.33	
		For >250 To 500, Add	0.17	
31 32 19 13-0003	SY	6.9 Ounce/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300).....	3.41	
		For Up To 50, Add	0.78	
		For >50 To 150, Add	0.58	
		For >150 To 250, Add	0.37	
		For >250 To 500, Add	0.19	
31 32 19 13-0004	SY	8.7 Ounce/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500).....	3.71	
		For Up To 50, Add	0.84	
		For >50 To 150, Add	0.62	
		For >150 To 250, Add	0.41	
		For >250 To 500, Add	0.20	
31 32 19 13-0005	SY	12.6 Ounce/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800).....	5.30	
		For Up To 50, Add	1.17	
		For >50 To 150, Add	0.87	
		For >150 To 250, Add	0.57	
		For >250 To 500, Add	0.28	
31 32 19 13-0006	SY	14.1 Ounce/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000).....	6.05	
		For Up To 50, Add	1.32	
		For >50 To 150, Add	0.98	
		For >150 To 250, Add	0.64	
		For >250 To 500, Add	0.32	
31 32 19 13-0007	SY	4.3 Ounce/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20).....	3.04	
		For Up To 50, Add	0.70	
		For >50 To 150, Add	0.52	
		For >150 To 250, Add	0.34	
		For >250 To 500, Add	0.17	
31 32 19 13-0008	SY	5.9 Ounce/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30).....	4.44	
		For Up To 50, Add	0.99	
		For >50 To 150, Add	0.73	
		For >150 To 250, Add	0.48	
		For >250 To 500, Add	0.24	

**31 32 19 16 Geotextile Soil Stabilization (31 32 19)**

**31 32 19 16-0001 Nonwoven Polypropylene Geotextiles (31 32 19 16)**

Note: For drainage, filtration and separation.

31 32 19 16-0002	SY	3.0 Ounce/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS).....	0.94	
		For Up To 50, Add	0.22	
		For >50 To 150, Add	0.17	
		For >150 To 250, Add	0.11	
		For >250 To 500, Add	0.05	
31 32 19 16-0003	SY	3.5 Ounce/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS).....	1.00	
		For Up To 50, Add	0.24	
		For >50 To 150, Add	0.17	
		For >150 To 250, Add	0.11	
		For >250 To 500, Add	0.06	
31 32 19 16-0004	SY	4.0 Ounce/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS).....	1.08	
		For Up To 50, Add	0.25	
		For >50 To 150, Add	0.19	
		For >150 To 250, Add	0.12	
		For >250 To 500, Add	0.06	
31 32 19 16-0005	SY	4.5 Ounce/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS).....	1.16	
		For Up To 50, Add	0.27	
		For >50 To 150, Add	0.20	
		For >150 To 250, Add	0.13	
		For >250 To 500, Add	0.06	
31 32 19 16-0006	SY	6.0 Ounce/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS).....	1.37	
		For Up To 50, Add	0.31	
		For >50 To 150, Add	0.23	
		For >150 To 250, Add	0.15	
		For >250 To 500, Add	0.07	
31 32 19 16-0007	SY	7.0 Ounce/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS).....	1.61	
		For Up To 50, Add	0.37	
		For >50 To 150, Add	0.27	
		For >150 To 250, Add	0.18	
		For >250 To 500, Add	0.09	

**31 Earthwork**  
**31 30 Earthwork Methods**  
**31 32 Soil Stabilization**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	31 32 19 16-0008	SY	8.0 Ounce/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS) .....	1.77	
			<i>For Up To 50, Add</i>	0.40	
			<i>For &gt;50 To 150, Add</i>	0.30	
			<i>For &gt;150 To 250, Add</i>	0.19	
			<i>For &gt;250 To 500, Add</i>	0.10	
	31 32 19 16-0009	SY	10 Ounce/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS).....	2.17	
			<i>For Up To 50, Add</i>	0.48	
			<i>For &gt;50 To 150, Add</i>	0.36	
			<i>For &gt;150 To 250, Add</i>	0.23	
			<i>For &gt;250 To 500, Add</i>	0.12	
	31 32 19 16-0010	SY	16 Ounce/SY, 175 Mil, 425 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric.....	4.74	
			<i>For Up To 50, Add</i>	0.99	
			<i>For &gt;50 To 150, Add</i>	0.74	
			<i>For &gt;150 To 250, Add</i>	0.49	
			<i>For &gt;250 To 500, Add</i>	0.24	
	<b>31 32 19 16-0011</b>		<b>Woven Geotextiles Fabric</b> <small>(31 32 19 16)</small>		
	31 32 19 16-0012	SY	200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55) .....	1.34	
			<i>For Up To 50, Add</i>	0.30	
			<i>For &gt;50 To 150, Add</i>	0.23	
			<i>For &gt;150 To 250, Add</i>	0.15	
			<i>For &gt;250 To 500, Add</i>	0.07	
	31 32 19 16-0013	SY	315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66) .....	1.87	
			<i>For Up To 50, Add</i>	0.41	
			<i>For &gt;50 To 150, Add</i>	0.30	
			<i>For &gt;150 To 250, Add</i>	0.20	
			<i>For &gt;250 To 500, Add</i>	0.10	
	31 32 19 16-0014	SY	4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%) .....	3.28	
			<i>For Up To 50, Add</i>	0.70	
			<i>For &gt;50 To 150, Add</i>	0.52	
			<i>For &gt;150 To 250, Add</i>	0.34	
			<i>For &gt;250 To 500, Add</i>	0.17	
	31 32 19 16-0015	SY	11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%).....	3.20	
			<i>For Up To 50, Add</i>	0.69	
			<i>For &gt;50 To 150, Add</i>	0.51	
			<i>For &gt;150 To 250, Add</i>	0.34	
			<i>For &gt;250 To 500, Add</i>	0.17	
	31 32 19 16-0016	SY	6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF) .....	2.80	
			<i>For Up To 50, Add</i>	0.61	
			<i>For &gt;50 To 150, Add</i>	0.45	
			<i>For &gt;150 To 250, Add</i>	0.30	
			<i>For &gt;250 To 500, Add</i>	0.15	
	31 32 19 16-0017	SY	9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF) .....	2.99	
			<i>For Up To 50, Add</i>	0.64	
			<i>For &gt;50 To 150, Add</i>	0.48	
			<i>For &gt;150 To 250, Add</i>	0.31	
			<i>For &gt;250 To 500, Add</i>	0.16	
	31 32 19 16-0018	SY	12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF) .....	3.81	
			<i>For Up To 50, Add</i>	0.81	
			<i>For &gt;50 To 150, Add</i>	0.60	
			<i>For &gt;150 To 250, Add</i>	0.40	
			<i>For &gt;250 To 500, Add</i>	0.20	
	31 32 19 16-0019	SY	12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF).....	5.41	
			<i>For Up To 50, Add</i>	1.13	
			<i>For &gt;50 To 150, Add</i>	0.84	
			<i>For &gt;150 To 250, Add</i>	0.56	
			<i>For &gt;250 To 500, Add</i>	0.28	
	<b>31 32 19 16-0020</b>		<b>Geomembranes</b> <small>(31 32 19 16)</small>		
	<b>31 32 19 16-0021</b>		<b>Polyvinyl Chloride (PVC) Geomembrane</b> <small>(31 32 19 16-0020)</small>		
	31 32 19 16-0022	SF	20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	1.04	
	31 32 19 16-0023	SF	30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	1.20	
	31 32 19 16-0024	SF	40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	1.44	
	31 32 19 16-0025	SF	50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	1.73	
	31 32 19 16-0026	SF	60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	1.97	
	31 32 19 16-0027	SF	70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	2.16	
	31 32 19 16-0028	SF	80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	2.33	
	31 32 19 16-0029	SF	90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	2.58	
	31 32 19 16-0030	SF	100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	2.81	
	<b>31 32 19 16-0031</b>		<b>High Density Polyethylene (HDPE) Geomembrane</b> <small>(31 32 19 16-0020)</small>		
	31 32 19 16-0032	SF	20 Mil High Density Polyethylene Membrane (US Fabrics).....	0.89	
	31 32 19 16-0033	SF	30 Mil High Density Polyethylene Membrane (US Fabrics).....	1.11	
	31 32 19 16-0034	SF	40 Mil High Density Polyethylene Membrane (US Fabrics).....	1.30	
	31 32 19 16-0035	SF	50 Mil High Density Polyethylene Membrane (US Fabrics).....	2.11	
	31 32 19 16-0036	SF	60 Mil High Density Polyethylene Membrane (US Fabrics).....	1.64	
	31 32 19 16-0037	SF	80 Mil High Density Polyethylene Membrane (US Fabrics).....	2.02	
	31 32 19 16-0038	SF	100 Mil High Density Polyethylene Membrane (US Fabrics).....	2.39	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 19 16-0039 SF 120 Mil High Density Polyethylene Membrane (US Fabrics).....	4.29	
31 32 19 16-0040 SF 140 Mil High Density Polyethylene Membrane (US Fabrics).....	4.45	

**31 32 19 26 Geoweb Cellular Confinement System (31 32 19)**

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

**31 32 19 26-0001 Geoweb Cellular Confinement System (31 32 19 26)**

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0002 SF 4" Geoweb Cellular Confinement System (Presto Geosystems).....	5.34	
For >20,000, Deduct	-0.10	
For >2:1 Slope, Add	1.07	
31 32 19 26-0003 SF 6" Geoweb Cellular Confinement System (Presto Geosystems).....	6.28	
For >20,000, Deduct	-0.15	
For >2:1 Slope, Add	1.07	
31 32 19 26-0004 SF 8" Geoweb Cellular Confinement System (Presto Geosystems).....	7.40	
For >20,000, Deduct	-0.21	
For >2:1 Slope, Add	1.07	

**31 32 36 Soil Nailing (31 32)**

**31 32 36 11 Soil Nailing Stabilization (31 32 36)**

**31 32 36 11-0001 Landslide and Slip-Out Stabilization (31 32 36 11)**

Note: Work shall consist of the Contractor stabilizing identified slides by internally reinforcing the soil mass with reinforcing elements (nails) by using one or more of the installation methods specified in this contract. The Owner will identify locations for work to be performed as specified herein. The Contractor shall review all locations with Owner representatives to determine the method to be used. The Contractor will provide all necessary engineering plans and details required to successfully repair slides as noted. These plans shall be stamped by a registered professional engineer with a current California license who is knowledgeable in the design and implementation of slope stabilization with soil nails and related work. The contractor shall furnish all labor, materials, and equipment required to complete the work. Any necessary installation methods and associated costs are the responsibility of the contractor. The Contractor and the Contractor's Engineer will also warrant the stability of the repaired roadway section for a period of 5 years.

**31 32 36 11-0002 BioWall® (31 32 36 11-0001)**

Note: Furnish and install the BioWall® to integrate with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails®. The BioWall® is a confined soil/compost mass capable of sustaining vegetation at slope angles up to ¼(H):1(V), and is composed of 2 layers of galvanized wire mesh and 2 layers of lightweight geosynthetic encasing a seeded compost and/or topsoil mix, tied to the soil nails by steel plates. Furnish equipment and incidentals necessary to complete the work. BioWall® to soil nail connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0051 for Daily Crew Rates (DCR).

31 32 36 11-0003 SF BioWall® Construction.....	21.00	
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**31 32 36 11-0004 GeoSynthetically Confined Soil™ (GCS®) Components (31 32 36 11-0001)**

Note: Furnish and install geosynthetic reinforcement, backfill and facing element to construct a Geosynthetically Confined Soil Wall™ (GCS®). Designs shall comply with the Design Standards for Geosynthetically Confined Soil Walls (adapted from the NCHRP Report 556 – Design and Construction Guidelines for Geosynthetic – Reinforced Soil Bridge Abutments with a Flexible Facing) noted below. Reinforcement Selection and Placement: Geosynthetic reinforcement shall consist of high-tenacity geotextiles manufactured for soil reinforcement applications. Geotextiles shall not be exposed to sunlight and extreme temperatures for an extended period of time. Damaged or improperly handled geosynthetic reinforcement shall be rejected. Use a woven polypropylene geotextile with ultimate tensile strength of 2400 lbs/ft (Amoco 2044 or similar) in the cross-machine direction (as per ASTM D4595). The geosynthetic reinforcement perpendicular to the wall face should consist of one continuous piece of material. Overlap of reinforcement in the design strength direction is not permitted. Adjacent sections of geosynthetic reinforcement should be placed so as to ensure that horizontal coverage shown on the plans is provided. Tracked construction equipment shall not be operated directly on the geosynthetic reinforcement. A minimum backfill thickness of 150 mm (6 in.) is required before operation of tracked vehicles over the geosynthetic reinforcement. Turning of tracked vehicles should be kept to a minimum to prevent displacing the fill and damaging or moving the geosynthetic reinforcement. Rubber-tired equipment may pass over the geosynthetic reinforcement at slow speeds less than 17 km/hr (10 miles/hr). Sudden braking and sharp turning should be avoided. Backfill Specifications: Structure backfill material should consist of material free from organic or other unsuitable material as determined by the Contractor's Engineer. Grading of the backfill should be as follows: 100 percent passing 100 mm (4 in.) sieve, 0-60 percent passing No. 40 (0.425 mm) sieve, and 0-15 percent passing No. 200 (0.075mm) sieve; plasticity index (PI) as determined by AASHTO T90, should not exceed 6. The backfill should exhibit an angle of internal friction of not less than 34 degrees, as determined by the standard direct shear test on the portion finer than 2 mm (No.10) sieve, using a sample compacted to 95 percent of AASHTO T-99, Methods C or D, at optimum moisture content. No testing is required for backfills where 80 percent of sizes are greater than 19 mm. The backfill should be substantially free of shale or other soft, poor durability particles and should have an organic content not larger than 1 percent. The backfill should have a pH between 4.5 and 9. Backfill Placement: Reinforced fill should be placed as specified in construction plans in compacted lift thickness of 8in, but in no case in lifts greater than 12in. Reinforced fill should be placed and compacted at or within 2 percent dry of the optimum moisture content. If the reinforced fill is free draining (i.e., with less than 5 percent passing a No. 200 sieve), water content of the fill may be within ±3 percent of the optimum. A minimum density of 90 percent of standard Proctor density is required. Optimum compaction is 100 percent of AASHTO T-99 (or 95 percent of AASHTO T-180) but this may not be possible throughout the wall structure. If significant percentage of the backfill is coarse material (i.e., greater than 30 percent retained on the 19 mm, or ¾ in., sieve), a procedural specification may be used to verify compaction, (no less than two passes with a conventional vibratory plate compaction equipment). Backfill should be placed, spread, and compacted so as to prevent the development of wrinkles or movement of the geosynthetic reinforcement and the wall facing units. Only hand-operated compaction equipment should be allowed within 0.5 m (1.5 ft) of the front of the See CSI section 31 32 36 11-0051 for Daily Crew Rates (DCR).

31 32 36 11-0005 SF GeoSynthetically Confined Soil™ (GCS®) Wall Construction .....	10.75	
Note: Installation sold per square face foot (excludes materials)		
31 32 36 11-0006 EA GeoSynthetically Confined Soil™ (GCS®) Wall Galvanized Wire Basket Units (approximately 10' x 120'') .....	96.00	
31 32 36 11-0007 EA GeoSynthetically Confined Soil™ (GCS®) Wall Concrete Masonry Units (approximately 8' x 8' x 16'') .....	4.50	
31 32 36 11-0008 SF GeoSynthetically Confined Soil™ (GCS®) Wall Woven Geotextile .....	0.75	

<b>31</b>	<b>31 Earthwork</b>
	<b>31 30 Earthwork Methods</b>
	<b>31 32 Soil Stabilization</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 11-0009	<b>Turf</b> <small>(31 32 36 11-0001)</small> Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0051 for Daily Crew Rates (DCR).	
31 32 36 11-0010	<b>Permanent Turf Reinforcing Mat (TRM)</b> <small>(31 32 36 11-0009)</small> Note: Furnish a web of mechanically bonded synthetic fibers that are entangled to form a strong and dimensionally stable mat. Place fibers between 2 or 3 high-strength, biaxially oriented nets mechanically bound together by stitching with polyolefin thread. The netting material must be resistant to biological, chemical, and ultra-violet degradation.	
31 32 36 11-0011	SF Permanent Turf Reinforcement Mat.....1.25 Note: sold per square face foot	
31 32 36 11-0012	<b>Biodegradable Turf Reinforcing Mat (TRM)</b> <small>(31 32 36 11-0009)</small> Note: Furnish a geotextile composed of seed free processed natural fiber matrix mechanically bound together with 100% degradable binding fiber or netting to form a continuous matrix.	
31 32 36 11-0013	SF Biodegradable Turf Reinforcement Mat .....0.50 Note: sold per square face foot	
31 32 36 11-0014	<b>Shotcrete or Gunit</b> <small>(31 32 36 11-0001)</small> Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0051 for Daily Crew Rates (DCR).	
31 32 36 11-0015	<b>Wet-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™</b> <small>(31 32 36 11-0014)</small> Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a wet-mix. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures, but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. Air jet the wet-mix shotcrete from the nozzle at high velocity onto the surface. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, III or V. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Water Clean and Potable. AASHTO M157/ASTM C94 Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use mixing equipment that thoroughly blends the materials in sufficient quantity to maintain placing continuity. Produce ready mix shotcrete complying with	
31 32 36 11-0016	SFI Wet-Mix Reinforced Shotcrete .....4.25 Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 11-0017	<p><b>Dry-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™</b> <small>(31 32 36 11-0014)</small></p> <p>Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a dry-mix. The dry-mix process consists of thoroughly mixing Portland cement and aggregate (and or synthetic fiber) thoroughly mixed dry, passed through a cement gun and conveyed by air through a flexible tube, hydrated at a nozzle at the end of such flexible tube and deposited by air pressure in its place of final repose. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, or III. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate Class B for quality Fiber Reinforcement ASTM C116-00 Water Clean and Potable. AASHTO M157/ASTM C94 and shall be maintained at a uniform pressure which shall be at least 15 pounds per square inch above air pressure at the nozzle. Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. U</p>	
31 32 36 11-0018	SFI Dry-Mix Reinforced Gunite.....	5.75
	Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).	
31 32 36 11-0019	<p><b>Steel Fiber Reinforcement for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™</b> <small>(31 32 36 11-0014)</small></p>	
31 32 36 11-0020	SFI Steel Fiber Reinforcement .....	1.00
	Note: sold per inch thickness over one square face foot of area	
31 32 36 11-0021	<p><b>Steel Mesh and Steel Plates for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails®</b> <small>(31 32 36 11-0001)</small></p> <p>Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0051 for Daily Crew Rates (DCR).</p>	
31 32 36 11-0022	<p><b>Steel Mesh Surface Treatment for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails®</b> <small>(31 32 36 11-0021)</small></p> <p>Note: Furnish Galfan® Coated Steel Mesh for use with Launched Soil Nails™, SuperNails®, or Self Drilling SuperNails® that is a double twisted hexagonal galvanized steel wire mesh manufactured according to ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions. Alternately, the mesh may be a diamond shaped, three dimensional mesh made with high capacity 3-millimeter diameter wire. Furnish steel plates to connect the mesh to the nail systems described herein. Furnish equipment and incidentals necessary to complete the work. Soil Nail to mesh connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</p>	
31 32 36 11-0023	SF High Capacity Diamond Mesh.....	10.00
	Note: sold per square face foot	
31 32 36 11-0024	SF Double Twist Wire Mesh .....	12.50
	Note: sold per square face foot	
31 32 36 11-0025	<p><b>Steel Plates</b> <small>(31 32 36 11-0021)</small></p>	
31 32 36 11-0026	EA Galvanized Steel Plates (8x8).....	31.50
31 32 36 11-0027	EA Galvanized Steel Plates (10x10).....	40.00
31 32 36 11-0028	EA Galvanized Steel Plates (12x12).....	54.00
31 32 36 11-0029	<p><b>Drilled Horizontal Drains</b> <small>(31 32 36 11-0001)</small></p> <p>Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0051 for Daily Crew Rates (DCR).</p>	
31 32 36 11-0030	LF Drilled PVC Horizontal Drains (up to 2" Diameter).....	18.75
31 32 36 11-0031	LF Stripdrain (6" Wide).....	3.25
31 32 36 11-0032	LF PVC Drain Collector Pipe System.....	14.50

<b>31</b>	<b>Earthwork</b>
<b>31 30</b>	<b>Earthwork Methods</b>
<b>31 32</b>	<b>Soil Stabilization</b>

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>31 32 36 11-0033</b>		<b>Rockfall Stabilization</b> <small>(31 32 36 11-0001)</small> Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0051 for Daily Crew Rates (DCR).		
31 32 36 11-0034	SF	Scaling .....	3.75	
31 32 36 11-0035	SF	Trim Blasting .....	155.00	
31 32 36 11-0036	SY	Slope Drape - Double Twist Wire Mesh .....	41.00	
31 32 36 11-0037	SY	Slope Drape - Cable Net .....	130.00	
31 32 36 11-0038	SY	Slope Drape - Tecco Mesh (4mm) .....	130.00	
31 32 36 11-0039	LF	Temporary Rockfall Barrier .....	470.00	
31 32 36 11-0040	LF	Low Reach Drilling (<25 feet) .....	21.00	
31 32 36 11-0041	LF	High Reach Drilling (>25 feet) .....	40.00	
31 32 36 11-0042	LF	Limited Access Drilling .....	94.00	
31 32 36 11-0043	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Galvanized) .....	16.75	
31 32 36 11-0044	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Galvanized) .....	26.50	
31 32 36 11-0045	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Galvanized) .....	21.00	
31 32 36 11-0046	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Galvanized) .....	31.50	
31 32 36 11-0047	EA	Rock Anchor Testing .....	795.00	
<b>31 32 36 11-0048</b>		<b>Mobilization / Demobilization</b> <small>(31 32 36 11-0001)</small>		
31 32 36 11-0049	EA	Mobilization .....	16,675.00	
31 32 36 11-0050	EA	Limited Access, Rockfall And Compaction Grouting Mobilization, in addition to Mobilization .....	9,775.00	
<b>31 32 36 11-0051</b>		<b>Daily Crew Rates (DCR)</b> <small>(31 32 36 11-0001)</small>		
31 32 36 11-0052	DAY	Soils Stabilization Crew, Per Workday .....	10,550.00	
31 32 36 11-0053	DAY	Rockfall Stabilization Crew, Per Workday .....	9,350.00	
31 32 36 11-0054	DAY	Compaction Grouting Crew, Per Workday .....	12,600.00	
31 32 36 11-0055	EA	Additional Crew Member/Crew .....	2,100.00	
31 32 36 11-0056	EA	Out of State Crew Rotation .....	4,350.00	
<b>31 32 36 13</b>		<b>Driven Soil Nailing</b> <small>(31 32 36)</small>		
<b>31 32 36 13-0001</b>		<b>Large Diameter Micropiles</b> <small>(31 32 36 13)</small> Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0051 for Daily Crew Rates (DCR).		
31 32 36 13-0002	LF	5" Micropiles (with up to 5.5" steel casing) .....	85.85	
31 32 36 13-0003	LF	7" Micropiles (with up to 7.625" steel casing) .....	118.22	
31 32 36 13-0004	LF	10" Micropiles (with up to 9.625" steel casing) .....	151.32	
31 32 36 13-0005	LF	12" Micropiles (with up to 11.875" steel casing) .....	193.69	
<b>31 32 36 16</b>		<b>Grouted Soil Nailing</b> <small>(31 32 36)</small>		
<b>31 32 36 16-0001</b>		<b>Grouting</b> <small>(31 32 36 16)</small> Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0051 for Daily Crew Rates (DCR).		
<b>31 32 36 16-0002</b>		<b>Compaction Grouting</b> <small>(31 32 36 16-0001)</small> Note: A. Furnish compaction grout material manufactured on-site (at the project location) in volumetric batching equipment so that grout rheology can be controlled real-time. The grout shall have a slump of 0.50" to 3.0" depending on the specific requirements of the project and shall conform to the engineering plans developed and submitted by the Contractor. Grout components shall consist of Type I/II cement, potable water and aggregate. Fly Ash may be added to the mix per the engineering plans. All aggregate for the compaction grout material shall meet the following requirements: a. 100% passing the 1/2" sieve b. Less than 2% organics c. No bentonite or other clay of medium to high plasticity shall be used. Site conditions and re-leveling requirements shall determine the exact proportions of cement, water and soil. The grout mix shall generally consist of aggregate with up to 12% cement by weight and water to form a very stiff mortar-like mixture. No admixtures shall be used without the Project Manager's approval, and previous testing. Mix design and test results of grout mixture must be submitted and approved by the Project Manager 15 Days prior to the commencement of the work. A. Gradations of the aggregate material to be utilized shall be submitted as part of the submittal process and prior to any work taking place. B. The compaction grouting mixer shall be of a type to ensure complete mixing of the stiff grout, as approved by the Project Manager. The compaction grout mixer shall be of sufficient capacity to continuously deliver grout having a slump of less than 1.5 inches at pressures up to 1,000 psi, at flow rates ranging from 0.1 to 5.0 cubic feet per minute. Gauges shall be provided at the pump and the grout pipe head to measure pressure the rate of flow. Type and location of gauges shall be as specified by the Contractor. A dial gauge or meter capable of measuring to 0.5 cubic feet or less shall be provided to measure the amount of grout pumped into the hole. A pressure gauge shall be graduated in 10-psi increments or less and used to measure the applied pressure. Compaction grout hose shall have a minimum inside diameter of 2 inches with non-restrictive full flow couplings. The hose shall be of sufficient strength for the pressures anticipated, and shall be in good condition.		
31 32 36 16-0003	LF	Compaction Grouting Casing Installation .....	21.00	
31 32 36 16-0004	CF	Compaction Grout Injection for Soils Densification .....	16.00	
31 32 36 16-0005	CF	Compaction Grout For Void Fill .....	16.00	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 16-0006	<p><b>Polyurethane Grouting</b> <small>(31 32 36 16-0001)</small></p> <p>Note: A. The material shall be a two part 1:1 ratio by volume, polyurethane-forming mixture, having a water insoluble diluent, which permits the formation of polyurethanes in excess water. The material shall reach 90% Compressive strength in 30 minutes such that traffic may be returned to roadway within 30 minutes after last injection of material. Polyurethane Free-rise Physical Properties Property I Units ASTM Minimum Maximum Density - lb/cf D 1622 3.0 lb/cf 6.0 lb/cf Tensile Strength - psi D 1623 80 psi Compressive Strength at Yield Point - psi D 1621 60 psi B. Furnish equipment and incidentals necessary to complete the work. Polyurethane grout shall not be used for deep injection (deeper than 3 ft below bottom of structure) or soils densification, it shall only be used for void filling under structures and for re-leveling. The Contractor shall prepare a profile to determine the areas that require void filling and re-leveling and determine the locations of the injection holes for each treated area. The Contractor shall obtain approval for the final proposed grades and the location of injection holes. The Contractor shall submit a plan for approval of the proposed polyurethane injection methods for the designated project areas. The plan shall include, but not be limited to: proposed diameter of casing (if required), depth of placement, angle of inclination, injection tube spacing, and project staging. The plan shall include monitoring procedures to ensure that damage will not occur to any existing structures due to the injection process. Monitoring devices shall be installed on mechanically stabilized earth retaining systems and between approach slabs and approach slab footings or other components to help prevent damage. The Contractor shall drill a pattern of holes as proposed in his plan. The holes shall be located in a manner that the void filling and structure lifting process does not affect any adjoining structures, such as mechanically stabilized earth retaining walls. Holes shall not be drilled within 4" of the edge of the slab, construction joints or major cracks. No more holes shall be drilled and tubes installed during the day than can be filled during that day. On bridge approach and roadway projects, and as applicable, the initial lift shall be at the sleeper footer. The Contractor shall lift the sleeper footer and the approach slab to the desired elevation by injecting material under the structures with care to assure that polyurethane material is not placed between the sleeper footer and the approach slab. The amount of rise shall be controlled by regulating the rate of injection of the high density polyurethane material. When the nozzle is removed from the hole, any excessive polyurethane material shall be removed from the area.</p>
31 32 36 16-0007	<p>LB Polyurethane Grouting For Void Fill and Re-Leveling .....9.75</p>

**31 32 36 19 Corrosion-Protected Soil Nailing** (31 32 36)

31 32 36 19-0001	<p><b>Self-Drilling SuperNails® / SuperMicropiles™</b> <small>(31 32 36 19)</small></p> <p>Note: Furnish Self-Drilling SuperNails® / SuperMicropiles™ that consist of a hollow, threaded bar with a sacrificial drill bit. Multiple bars may be coupled to produce final length. Bar thread pattern should be continuous and conform to the pullout requirements of ASTM A 615 (Williams Form Engineering B7X or Ischebeck Titan bars, or approved equivalent). R-thread bars, bars/couplers made from high carbon (&gt;0.20%) or high phosphorous (&gt;0.06%) steels, or bars/couplers made from steels that do not meet the tensile ductility requirements of ASTM A 615 shall not be used for any tensile applications. Bar outer diameters shall be a minimum of 1.5 inches and up to and 3 inches depending on design load. Corrosion Protection for Self Drilling Nails shall follow current FHWA guidance. Inserted length and spacing of Self-Drilling SuperNails® / SuperMicropiles™ will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0051 for Daily Crew Rates (DCR).</p>																																
31 32 36 19-0002	<p><b>Self-Drilling SuperNails®</b> <small>(31 32 36 19-0001)</small></p> <table border="0"> <tr><td>31 32 36 19-0003</td><td>EA</td><td>Self Drilling SuperNails® up to 20-ft.....</td><td>600.00</td></tr> <tr><td>31 32 36 19-0004</td><td>EA</td><td>Self Drilling SuperNails® up to 30-ft.....</td><td>825.00</td></tr> <tr><td>31 32 36 19-0005</td><td>EA</td><td>Self Drilling SuperNails® up to 40-ft.....</td><td>1,160.00</td></tr> <tr><td>31 32 36 19-0006</td><td>EA</td><td>Self Drilling SuperNails® up to 50-ft.....</td><td>1,410.00</td></tr> <tr><td>31 32 36 19-0007</td><td>EA</td><td>Self Drilling SuperNails® up to 60-ft.....</td><td>1,685.00</td></tr> <tr><td>31 32 36 19-0008</td><td>EA</td><td>Self Drilling SuperNails® up to 70-ft.....</td><td>1,945.00</td></tr> <tr><td>31 32 36 19-0009</td><td>EA</td><td>Self Drilling SuperNails® up to 80-ft.....</td><td>2,220.00</td></tr> <tr><td>31 32 36 19-0010</td><td>EA</td><td>Additional Cost for 10' High Capacity X-51 Bar.....</td><td>95.00</td></tr> </table>	31 32 36 19-0003	EA	Self Drilling SuperNails® up to 20-ft.....	600.00	31 32 36 19-0004	EA	Self Drilling SuperNails® up to 30-ft.....	825.00	31 32 36 19-0005	EA	Self Drilling SuperNails® up to 40-ft.....	1,160.00	31 32 36 19-0006	EA	Self Drilling SuperNails® up to 50-ft.....	1,410.00	31 32 36 19-0007	EA	Self Drilling SuperNails® up to 60-ft.....	1,685.00	31 32 36 19-0008	EA	Self Drilling SuperNails® up to 70-ft.....	1,945.00	31 32 36 19-0009	EA	Self Drilling SuperNails® up to 80-ft.....	2,220.00	31 32 36 19-0010	EA	Additional Cost for 10' High Capacity X-51 Bar.....	95.00
31 32 36 19-0003	EA	Self Drilling SuperNails® up to 20-ft.....	600.00																														
31 32 36 19-0004	EA	Self Drilling SuperNails® up to 30-ft.....	825.00																														
31 32 36 19-0005	EA	Self Drilling SuperNails® up to 40-ft.....	1,160.00																														
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31 32 36 19-0007	EA	Self Drilling SuperNails® up to 60-ft.....	1,685.00																														
31 32 36 19-0008	EA	Self Drilling SuperNails® up to 70-ft.....	1,945.00																														
31 32 36 19-0009	EA	Self Drilling SuperNails® up to 80-ft.....	2,220.00																														
31 32 36 19-0010	EA	Additional Cost for 10' High Capacity X-51 Bar.....	95.00																														

31 32 36 19-0011	<p><b>SuperNail® Testing</b> <small>(31 32 36 19)</small></p> <p>Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0051 for Daily Crew Rates (DCR).</p>
31 32 36 19-0012	<p>EA SuperNail® Proof Testing .....695.00</p>
31 32 36 19-0013	<p>EA SuperNail® Verification Testing .....1,385.00</p>

**31 32 36 26 Launched Soil Nailing** (31 32 36)

31 32 36 26-0001	<p><b>Launched Soil Nails™</b> <small>(31 32 36 26)</small></p> <p>Note: Furnish Launched Soil Nails™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Alternately, the tube may be composed of fiberglass (1.5 inch outside diameter, 0.5 inch wall thickness Strongwell EXTREN Series 625 Vinyl Ester fiberglass. Furnish equipment and incidentals necessary to complete the work. Insert Launched Soil Nails™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0051 for Daily Crew Rates (DCR).</p>
31 32 36 26-0002	<p>EA GalvaDized™ SuperDrain™ .....550.00</p> <p>Note: perforated GalvaDized™ steel tube up to 20 ft. length.</p>
31 32 36 26-0003	<p>EA Fiberglass SuperNail® .....565.00</p> <p>Note: perforated fiberglass tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.</p>
31 32 36 26-0004	<p>EA GalvaDized™ SuperNail® .....435.00</p> <p>Note: perforated GalvaDized™ steel tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.</p>
31 32 36 26-0005	<p>EA Temporary Launched Soil Nail .....345.00</p> <p>Note: bare steel tube up to 20 ft. length.</p>
31 32 36 26-0006	<p>EA Fiberglass SuperDrain™ .....450.00</p> <p>Note: perforated fiberglass tube up to 20 ft. length.</p>
31 32 36 26-0007	<p>EA GalvaDized™ SuperDrain™ .....345.00</p> <p>Note: perforated GalvaDized™ steel tube up to 20 ft. length.</p>

**31 32 36 29 Drilled Soil Nailing** (31 32 36)

<b>31</b>	<b>31 Earthwork</b>
	<b>31 30 Earthwork Methods</b>
	<b>31 32 Soil Stabilization</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 29-0001	<b>Drilled SuperNails® (Permanently Cased Soil Nails)</b> <small>(31 32 36 29)</small>	
	<small>Note: Furnish SuperNails® that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 threadbar as the inner bar. SuperNails® may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperNail® outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner threadbar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0051 for Daily Crew Rates (DCR).</small>	
31 32 36 29-0002	EA Drilled GalvaDized™ SuperNail® up to 20 ft. length.....	500.00
	<small>Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.</small>	
31 32 36 29-0003	EA Drilled GalvaDized™ SuperNail® up to 30 ft. length.....	690.00
	<small>Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.</small>	
31 32 36 29-0004	EA Drilled GalvaDized™ SuperNail® up to 40 ft. length.....	785.00
	<small>Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.</small>	
31 32 36 29-0005	EA Drilled GalvaDized™ SuperNail® up to 50 ft. length.....	875.00
	<small>Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.</small>	
31 32 36 29-0006	EA Drilled GalvaDized™ SuperNail® up to 60 ft. length.....	1,035.00
	<small>Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.</small>	
31 32 36 29-0007	EA Drilled GalvaDized™ SuperNail® up to 70 ft. length.....	1,190.00
	<small>Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.</small>	
31 32 36 29-0008	EA Drilled GalvaDized™ SuperNail® up to 80 ft. length.....	1,345.00
	<small>Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.</small>	

**31 35 Slope Protection** (31 30)

**31 35 19 Geosynthetic Slope Protection** (31 35)

**31 35 19 19 Slope Protection with Mulch Control Netting** (31 35 19)

**31 35 19 19-0001 Erosion Control Fabric** (31 35 19 19)

31 35 19 19-0002	SY 26.6 OZ/SY Erosion Control Fabric (Belton Industries Geocoir 900).....	3.84
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**31 37 Riprap** (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

**31 37 13 Machined Riprap** (31 37)

**31 37 13 00-0001 Random - Filter Stone** (31 37 13)

31 37 13 00-0002	CY 10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	54.56
	<small>For Chinking Material, Add</small>	13.67
31 37 13 00-0003	CY >50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	63.03
	<small>For Chinking Material, Add</small>	13.67
31 37 13 00-0004	CY >100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	67.01
	<small>For Chinking Material, Add</small>	13.67
31 37 13 00-0005	CY >200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	71.55
	<small>For Chinking Material, Add</small>	13.67
31 37 13 00-0006	CY >300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	75.22
	<small>For Chinking Material, Add</small>	13.67
31 37 13 00-0007	CY >600 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	81.20
31 37 13 00-0008	CY 3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap.....	98.08
31 37 13 00-0009	TON 10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	36.33
31 37 13 00-0010	TON >50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	41.71
31 37 13 00-0011	TON >100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	44.24
31 37 13 00-0012	TON >200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	47.12
31 37 13 00-0013	TON >300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	49.45
31 37 13 00-0014	TON >600 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	53.29
31 37 13 00-0015	TON 3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap.....	66.59

**31 40 Shoring and Underpinning** (31)

**31 41 Shoring** (31 40)

**31 41 13 Timber Shoring** (31 41)

**31 41 13 00-0001 Wood Sheet Piling** (31 41 13)

**31 41 13 00-0002 Pull And Salvage** (31 41 13 00-0001)

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003	SF 8' Deep Excavation, Wood Shoring, Pull And Salvage.....	14.34
	<small>For Wood Sheeting Left In Place</small>	1.40
31 41 13 00-0004	SF 10' Deep Excavation, Wood Shoring, Pull And Salvage.....	15.38
	<small>For Wood Sheeting Left In Place</small>	1.28
31 41 13 00-0005	SF 12' Deep Excavation, Wood Shoring, Pull And Salvage.....	16.54
	<small>For Wood Sheeting Left In Place</small>	1.17

	<b>Earthwork</b>	<b>31</b>
	<b>Shoring and Underpinning</b>	<b>31 40</b>
	<b>Shoring</b>	<b>31 41</b>

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 41 13 00-0006	SF 14' Deep Excavation, Wood Shoring, Pull And Salvage <i>For Wood Sheeting Left In Place</i>	17.77 1.01	
31 41 13 00-0007	SF 16' Deep Excavation, Wood Shoring, Pull And Salvage <i>For Wood Sheeting Left In Place</i>	19.11 0.85	
31 41 13 00-0008	SF 18' Deep Excavation, Wood Shoring, Pull And Salvage <i>For Wood Sheeting Left In Place</i>	20.54 0.63	
31 41 13 00-0009	SF 20' Deep Excavation, Wood Shoring, Pull And Salvage <i>For Wood Sheeting Left In Place</i>	22.13 0.42	

**31 41 16 Sheet Piling** (31 41)

**31 41 16 13 Steel Sheet Piling** (31 41 16)

**31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage** (31 41 16 13)

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 16 13-0002	TON Steel Sheet Piling, 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage <i>For Standard Sheeting Left In Place, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i> <i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i> <i>For High Strength Sheeting 55,000 PSI Grade, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i> <i>For Each Additional Month &gt;3 Months, Add</i>	2,108.07 1,111.78 1,587.21 118.86 132.06 409.39 66.03	
31 41 16 13-0003	TON Steel Sheet Piling, 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage <i>For Standard Sheeting Left In Place, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i> <i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i> <i>For High Strength Sheeting 55,000 PSI Grade, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i> <i>For Each Additional Month &gt;3 Months, Add</i>	2,186.07 1,072.78 1,548.21 118.86 132.06 409.39 66.03	
31 41 16 13-0004	TON Steel Sheet Piling, 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage <i>For Standard Sheeting Left In Place, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i> <i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i> <i>For High Strength Sheeting 55,000 PSI Grade, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i> <i>For Each Additional Month &gt;3 Months, Add</i>	2,548.69 891.47 1,366.90 118.86 132.06 409.39 66.03	
31 41 16 13-0005	TON Steel Sheet Piling, 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage <i>For Standard Sheeting Left In Place, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i> <i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i> <i>For High Strength Sheeting 55,000 PSI Grade, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i> <i>For Each Additional Month &gt;3 Months, Add</i>	2,897.63 717.00 1,192.43 118.86 132.06 409.39 66.03	
31 41 16 13-0006	TON Steel Sheet Piling, 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage <i>For Standard Sheeting Left In Place, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i> <i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i> <i>For High Strength Sheeting 55,000 PSI Grade, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i> <i>For Each Additional Month &gt;3 Months, Add</i>	3,102.89 614.37 1,089.80 118.86 132.06 409.39 66.03	
31 41 16 13-0007	TON Steel Sheet Piling, 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage <i>For Standard Sheeting Left In Place, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i> <i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i> <i>For High Strength Sheeting 55,000 PSI Grade, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i> <i>For Each Additional Month &gt;3 Months, Add</i>	3,312.26 509.69 985.11 118.86 132.06 409.39 66.03	

**31 45 Vibroflotation and Densification** (31 40)

**31 45 13 Vibroflotation** (31 45)

31 45 13 00-0001	LCY Soil Stabilization, Vibroflotation	13.87	
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**31 60 Special Foundations and Load-bearing Elements** (31)

**31 62 Driven Piles** (31 60)

**31 62 13 Concrete Piles** (31 62)

**31 62 13 23 Prestressed Concrete Piles** (31 62 13)

**31 62 13 23-0001 Square Prestressed Driven Concrete Piles** (31 62 13 23)

31 62 13 23-0002	VLF 10" Square Prestressed Driven Concrete Pile <i>For Piles Driven In Water, Add</i>	25.03 14.15	
31 62 13 23-0003	VLF 12" Square Prestressed Driven Concrete Pile <i>For Piles Driven In Water, Add</i>	30.78 15.81	
31 62 13 23-0004	VLF 14" Square Prestressed Driven Concrete Pile <i>For Piles Driven In Water, Add</i>	36.69 17.25	
31 62 13 23-0005	VLF 16" Square Prestressed Driven Concrete Pile <i>For Piles Driven In Water, Add</i>	44.25 18.99	
31 62 13 23-0006	VLF 18" Square Prestressed Driven Concrete Pile <i>For Piles Driven In Water, Add</i>	53.05 20.98	
31 62 13 23-0007	VLF 20" Square Prestressed Driven Concrete Pile <i>For Piles Driven In Water, Add</i>	60.98 23.08	

**31 Earthwork**  
**31 60 Special Foundations and Load-bearing Elements**  
**31 62 Driven Piles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 13 23-0008	VLF		24" Square Prestressed Driven Concrete Pile ..... <i>For Piles Driven In Water, Add</i>	76.74 26.21	
<b>31 62 13 23-0009</b>			<b>Octagonal Prestressed Driven Concrete Piles</b> <small>(31 62 13 23)</small>		
31 62 13 23-0010	VLF		12" Octagonal Prestressed Driven Concrete Pile ..... <i>For Piles Driven In Water, Add</i>	39.23 15.91	
31 62 13 23-0011	VLF		14" Octagonal Prestressed Driven Concrete Pile ..... <i>For Piles Driven In Water, Add</i>	48.70 17.61	
31 62 13 23-0012	VLF		16" Octagonal Prestressed Driven Concrete Pile ..... <i>For Piles Driven In Water, Add</i>	58.28 19.41	
31 62 13 23-0013	VLF		18" Octagonal Prestressed Driven Concrete Pile ..... <i>For Piles Driven In Water, Add</i>	70.17 21.58	
31 62 13 23-0014	VLF		20" Octagonal Prestressed Driven Concrete Pile ..... <i>For Piles Driven In Water, Add</i>	74.64 23.14	
31 62 13 23-0015	VLF		24" Octagonal Prestressed Driven Concrete Pile ..... <i>For Piles Driven In Water, Add</i>	79.34 24.92	
<b>31 62 13 23-0016</b>			<b>Straight Cylinder Prestressed Driven Concrete Piles</b> <small>(31 62 13 23)</small>		
31 62 13 23-0017	VLF		12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile ..... <i>For Piles Driven In Water, Add</i>	30.07 14.33	
31 62 13 23-0018	VLF		14" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile ..... <i>For Piles Driven In Water, Add</i>	34.81 15.47	
31 62 13 23-0019	VLF		16" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile ..... <i>For Piles Driven In Water, Add</i>	40.39 16.77	
31 62 13 23-0020	VLF		18" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile ..... <i>For Piles Driven In Water, Add</i>	45.22 18.10	
31 62 13 23-0021	VLF		20" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile ..... <i>For Piles Driven In Water, Add</i>	55.38 20.10	
31 62 13 23-0022	VLF		24" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile ..... <i>For Piles Driven In Water, Add</i>	67.09 22.39	
<b>31 62 16 Steel Piles</b> <small>(31 62)</small>					
<b>31 62 16 16 Steel H Piles</b> <small>(31 62 16)</small>					
<b>31 62 16 16-0001</b>			<b>Rolled, Driven Steel H Piles</b> <small>(31 62 16 16)</small>		
31 62 16 16-0002	VLF		8" x 8" x 36 LB/FT, Rolled, Driven Steel H Pile ..... <i>For Piles Driven In Water, Add</i>	52.41 17.98	
31 62 16 16-0003	VLF		10" x 10" x 42 LB/FT, Rolled, Driven Steel H Pile ..... <i>For Piles Driven In Water, Add</i>	59.50 19.32	
31 62 16 16-0004	VLF		10" x 10" x 57 LB/FT, Rolled, Driven Steel H Pile ..... <i>For Piles Driven In Water, Add</i>	75.44 20.92	
31 62 16 16-0005	VLF		12" x 12" x 53 LB/FT, Rolled, Driven Steel H Pile ..... <i>For Piles Driven In Water, Add</i>	71.63 20.93	
31 62 16 16-0006	VLF		12" x 12" x 63 LB/FT, Rolled, Driven Steel H Pile ..... <i>For Piles Driven In Water, Add</i>	82.26 22.00	
31 62 16 16-0007	VLF		12" x 12" x 74 LB/FT, Rolled, Driven Steel H Pile ..... <i>For Piles Driven In Water, Add</i>	95.23 24.45	
31 62 16 16-0008	VLF		12" x 12" x 84 LB/FT, Rolled, Driven Steel H Pile ..... <i>For Piles Driven In Water, Add</i>	105.86 25.51	
31 62 16 16-0009	VLF		14" x 14" x 73 LB/FT, Rolled, Driven Steel H Pile ..... <i>For Piles Driven In Water, Add</i>	94.58 24.75	
31 62 16 16-0010	VLF		14" x 14" x 89 LB/FT, Rolled, Driven Steel H Pile ..... <i>For Piles Driven In Water, Add</i>	112.65 26.56	
31 62 16 16-0011	VLF		14" x 14" x 102 LB/FT, Rolled, Driven Steel H Pile ..... <i>For Piles Driven In Water, Add</i>	126.80 29.23	
31 62 16 16-0012	VLF		14" x 14" x 117 LB/FT, Rolled, Driven Steel H Pile ..... <i>For Piles Driven In Water, Add</i>	143.81 30.93	
<b>31 62 16 16-0013</b>			<b>Splices, Caps, And Points For H-Piles</b> <small>(31 62 16 16)</small>		
<b>31 62 16 16-0014</b>			<b>Rolled Steel H Pile Splices</b> <small>(31 62 16 16-0013)</small>		
31 62 16 16-0015	EA		8" Rolled Steel H Pile Splice .....	358.55	
31 62 16 16-0016	EA		10" Rolled Steel H Pile Splice .....	434.04	
31 62 16 16-0017	EA		12" Rolled Steel H Pile Splice .....	569.09	
31 62 16 16-0018	EA		14" Rolled Steel H Pile Splice .....	606.84	
<b>31 62 16 16-0019</b>			<b>Rolled Steel H Driving Caps</b> <small>(31 62 16 16-0013)</small>		
31 62 16 16-0020	EA		8" Rolled Steel H Driving Cap .....	6,143.34	
31 62 16 16-0021	EA		10" Rolled Steel H Driving Cap .....	6,143.34	
31 62 16 16-0022	EA		12" Rolled Steel H Driving Cap .....	6,194.41	
31 62 16 16-0023	EA		14" Rolled Steel H Driving Cap .....	9,402.93	
<b>31 62 16 16-0024</b>			<b>Rolled Steel H Standard Pile Points</b> <small>(31 62 16 16-0013)</small>		
31 62 16 16-0025	EA		8" Rolled Steel H Standard Pile Point .....	396.30	
31 62 16 16-0026	EA		10" Rolled Steel H Standard Pile Point .....	434.04	
31 62 16 16-0027	EA		12" Rolled Steel H Standard Pile Point .....	569.09	
31 62 16 16-0028	EA		14" Rolled Steel H Standard Pile Point .....	682.33	
31 62 16 16-0029	EA		10" Rolled Steel H Standard Pile Point .....	569.09	
31 62 16 16-0030	EA		14" Rolled Steel H Standard Pile Point .....	755.45	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**31 62 16 19 Unfilled Tubular Steel Piles** (31 62 16)

**31 62 16 19-0001 Unfilled Tubular Driven Steel Piles** (31 62 16 19)

31 62 16 19-0002	VLF 8" Diameter x 29 LB/FT, Unfilled Tubular Driven Steel Pile	42.03	
	<i>For Piles Driven In Water, Add</i>	20.51	
31 62 16 19-0003	VLF 8" Diameter x 36 LB/FT, Unfilled Tubular Driven Steel Pile	48.01	
	<i>For Piles Driven In Water, Add</i>	21.11	
31 62 16 19-0004	VLF 8" Diameter x 43 LB/FT, Unfilled Tubular Driven Steel Pile	54.47	
	<i>For Piles Driven In Water, Add</i>	21.76	
31 62 16 19-0005	VLF 10" Diameter x 34 LB/FT, Unfilled Tubular Driven Steel Pile	48.01	
	<i>For Piles Driven In Water, Add</i>	21.11	
31 62 16 19-0006	VLF 10" Diameter x 41 LB/FT, Unfilled Tubular Driven Steel Pile	53.69	
	<i>For Piles Driven In Water, Add</i>	21.68	
31 62 16 19-0007	VLF 10" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile	66.25	
	<i>For Piles Driven In Water, Add</i>	22.93	
31 62 16 19-0008	VLF 12" Diameter x 42 LB/FT, Unfilled Tubular Driven Steel Pile	56.01	
	<i>For Piles Driven In Water, Add</i>	22.76	
31 62 16 19-0009	VLF 12" Diameter x 50 LB/FT, Unfilled Tubular Driven Steel Pile	62.65	
	<i>For Piles Driven In Water, Add</i>	23.43	
31 62 16 19-0010	VLF 12" Diameter x 54 LB/FT, Unfilled Tubular Driven Steel Pile	66.35	
	<i>For Piles Driven In Water, Add</i>	23.80	
31 62 16 19-0011	VLF 12" Diameter x 65 LB/FT, Unfilled Tubular Driven Steel Pile	76.69	
	<i>For Piles Driven In Water, Add</i>	24.83	
31 62 16 19-0012	VLF 14" Diameter x 46 LB/FT, Unfilled Tubular Driven Steel Pile	60.65	
	<i>For Piles Driven In Water, Add</i>	25.02	
31 62 16 19-0013	VLF 14" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile	68.17	
	<i>For Piles Driven In Water, Add</i>	25.77	
31 62 16 19-0014	VLF 14" Diameter x 64 LB/FT, Unfilled Tubular Driven Steel Pile	75.70	
	<i>For Piles Driven In Water, Add</i>	26.52	
31 62 16 19-0015	VLF 14" Diameter x 72 LB/FT, Unfilled Tubular Driven Steel Pile	83.22	
	<i>For Piles Driven In Water, Add</i>	27.28	
31 62 16 19-0016	VLF 16" Diameter x 52 LB/FT, Unfilled Tubular Driven Steel Pile	67.51	
	<i>For Piles Driven In Water, Add</i>	27.93	
31 62 16 19-0017	VLF 16" Diameter x 63 LB/FT, Unfilled Tubular Driven Steel Pile	76.30	
	<i>For Piles Driven In Water, Add</i>	28.81	
31 62 16 19-0018	VLF 16" Diameter x 83 LB/FT, Unfilled Tubular Driven Steel Pile	93.45	
	<i>For Piles Driven In Water, Add</i>	30.52	
31 62 16 19-0019	VLF 18" Diameter x 59 LB/FT, Unfilled Tubular Driven Steel Pile	82.65	
	<i>For Piles Driven In Water, Add</i>	31.23	
31 62 16 19-0020	VLF 18" Diameter x 71 LB/FT, Unfilled Tubular Driven Steel Pile	94.08	
	<i>For Piles Driven In Water, Add</i>	32.38	
31 62 16 19-0021	VLF 18" Diameter x 93 LB/FT, Unfilled Tubular Driven Steel Pile	115.79	
	<i>For Piles Driven In Water, Add</i>	34.55	

**31 62 16 19-0022 Splices And Points For Pipe Piles** (31 62 16 19)

**31 62 16 19-0023 Steel Pipe Pile Splices** (31 62 16 19-0022)

31 62 16 19-0024	EA 8" Diameter, Steel Pipe Pile Splice	241.65	
31 62 16 19-0025	EA 10" Diameter, Steel Pipe Pile Splice	258.59	
31 62 16 19-0026	EA 12" Diameter, Steel Pipe Pile Splice	337.33	
31 62 16 19-0027	EA 14" Diameter, Steel Pipe Pile Splice	354.03	
31 62 16 19-0028	EA 16" Diameter, Steel Pipe Pile Splice	426.28	
31 62 16 19-0029	EA 18" Diameter, Steel Pipe Pile Splice	513.05	

**31 62 16 19-0030 Steel Pipe Standard Pile Points** (31 62 16 19-0022)

31 62 16 19-0031	EA 8" Diameter, Steel Pipe Standard Pile Point	241.85	
31 62 16 19-0032	EA 10" Diameter, Steel Pipe Standard Pile Point	255.42	
31 62 16 19-0033	EA 12" Diameter, Steel Pipe Standard Pile Point	288.94	
31 62 16 19-0034	EA 14" Diameter, Steel Pipe Standard Pile Point	326.24	
31 62 16 19-0035	EA 16" Diameter, Steel Pipe Standard Pile Point	360.15	
31 62 16 19-0036	EA 18" Diameter, Steel Pipe Standard Pile Point	415.78	

**31 62 16 19-0037 Steel Pipe Heavy Duty Pile Points** (31 62 16 19-0022)

31 62 16 19-0038	EA 10" Diameter, Steel Pipe Heavy Duty Pile Point	354.74	
31 62 16 19-0039	EA 12" Diameter, Steel Pipe Heavy Duty Pile Point	371.69	
31 62 16 19-0040	EA 14" Diameter, Steel Pipe Heavy Duty Pile Point	416.42	
31 62 16 19-0041	EA 16" Diameter, Steel Pipe Heavy Duty Pile Point	484.24	
31 62 16 19-0042	EA 18" Diameter, Steel Pipe Heavy Duty Pile Point	545.36	

**31 62 19 Timber Piles** (31 62)

**31 62 19 00-0001 Friction Or End Bearing, Driven Treated Wood Piles** (31 62 19)

Note: 12 LB Penta-treated/CF.

31 62 19 00-0002	LF Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	40.04	
	<i>For Piles Driven In Water, Add</i>	15.33	
	<i>For Untreated Pile, Deduct</i>	-10.16	
	<i>For Each Pile Tip Point, Add</i>	12.50	
	<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
	<i>For Each Splice For Pile &gt;50', Add</i>	139.40	

**31 Earthwork**  
**31 60 Special Foundations and Load-bearing Elements**  
**31 62 Driven Piles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 19 00-0003	LF		>30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile.....	41.91	
			<i>For Piles Driven In Water, Add</i>	16.93	
			<i>For Untreated Pile, Deduct</i>	-10.27	
			<i>For Each Pile Tip Point, Add</i>	12.50	
			<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
			<i>For Each Splice For Pile &gt;50', Add</i>	139.40	
31 62 19 00-0004	LF		39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile.....	44.12	
			<i>For Piles Driven In Water, Add</i>	17.99	
			<i>For Untreated Pile, Deduct</i>	-10.74	
			<i>For Each Pile Tip Point, Add</i>	12.50	
			<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
			<i>For Each Splice For Pile &gt;50', Add</i>	139.40	
31 62 19 00-0005	LF		>49' To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile.....	47.32	
			<i>For Piles Driven In Water, Add</i>	20.02	
			<i>For Untreated Pile, Deduct</i>	-11.22	
			<i>For Each Pile Tip Point, Add</i>	12.50	
			<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
			<i>For Each Splice For Pile &gt;50', Add</i>	139.40	
31 62 19 00-0006	LF		>59' To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile.....	59.46	
			<i>For Piles Driven In Water, Add</i>	22.93	
			<i>For Untreated Pile, Deduct</i>	-15.02	
			<i>For Each Pile Tip Point, Add</i>	12.50	
			<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
			<i>For Each Splice For Pile &gt;50', Add</i>	139.40	
31 62 19 00-0007	LF		>69' To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile.....	74.54	
			<i>For Piles Driven In Water, Add</i>	27.83	
			<i>For Untreated Pile, Deduct</i>	-19.20	
			<i>For Each Pile Tip Point, Add</i>	12.50	
			<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
			<i>For Each Splice For Pile &gt;50', Add</i>	139.40	
<b>31 62 23 Composite Piles <sup>(31 62)</sup></b>					
<b>31 62 23 13 Concrete-Filled Steel Piles <sup>(31 62 23)</sup></b>					
<b>31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles <sup>(31 62 23 13)</sup></b>					
Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.					
31 62 23 13-0002	VLF		8" Diameter x 29 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	45.25	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	4.77	
			<i>For Piles Driven In Water, Add</i>	22.25	
31 62 23 13-0003	VLF		8" Diameter x 36 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	51.23	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	5.36	
			<i>For Piles Driven In Water, Add</i>	22.84	
31 62 23 13-0004	VLF		8" Diameter x 43 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	57.68	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	6.01	
			<i>For Piles Driven In Water, Add</i>	23.49	
31 62 23 13-0005	VLF		10" Diameter x 34 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	52.64	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	6.70	
			<i>For Piles Driven In Water, Add</i>	23.38	
31 62 23 13-0006	VLF		10" Diameter x 41 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	58.32	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	7.27	
			<i>For Piles Driven In Water, Add</i>	23.95	
31 62 23 13-0007	VLF		10" Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	70.87	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	8.52	
			<i>For Piles Driven In Water, Add</i>	25.20	
31 62 23 13-0008	VLF		12" Diameter x 42 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	62.50	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	9.04	
			<i>For Piles Driven In Water, Add</i>	25.90	
31 62 23 13-0009	VLF		12" Diameter x 50 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	69.14	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	9.70	
			<i>For Piles Driven In Water, Add</i>	26.56	
31 62 23 13-0010	VLF		12" Diameter x 54 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	72.84	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	10.07	
			<i>For Piles Driven In Water, Add</i>	26.93	
31 62 23 13-0011	VLF		12" Diameter x 65 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	83.18	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	11.11	
			<i>For Piles Driven In Water, Add</i>	27.97	
31 62 23 13-0012	VLF		14" Diameter x 46 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	69.56	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	11.15	
			<i>For Piles Driven In Water, Add</i>	29.92	
31 62 23 13-0013	VLF		14" Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	77.08	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	11.91	
			<i>For Piles Driven In Water, Add</i>	30.68	
31 62 23 13-0014	VLF		14" Diameter x 64 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	84.61	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	12.66	
			<i>For Piles Driven In Water, Add</i>	31.43	
31 62 23 13-0015	VLF		14" Diameter x 72 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	92.13	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	13.41	
			<i>For Piles Driven In Water, Add</i>	32.18	
31 62 23 13-0016	VLF		16" Diameter x 52 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	76.90	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	13.82	
			<i>For Piles Driven In Water, Add</i>	32.03	
31 62 23 13-0017	VLF		16" Diameter x 63 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	85.69	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	14.70	
			<i>For Piles Driven In Water, Add</i>	32.91	
31 62 23 13-0018	VLF		16" Diameter x 83 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	102.84	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	16.41	
			<i>For Piles Driven In Water, Add</i>	34.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 62 23 13-0019	VLF 18" Diameter x 59 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	93.86	
	For 5,000 PSI Concrete Grout Fill, Add	17.65	
	For Piles Driven In Water, Add	35.68	
31 62 23 13-0020	VLF 18" Diameter x 71 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	105.28	
	For 5,000 PSI Concrete Grout Fill, Add	18.80	
	For Piles Driven In Water, Add	36.83	
31 62 23 13-0021	VLF 18" Diameter x 93 LB/FT, Concrete-Filled Driven Steel Pipe Pile .....	126.99	
	For 5,000 PSI Concrete Grout Fill, Add	20.97	
	For Piles Driven In Water, Add	39.00	
<b>31 62 23 13-0022</b>	<b>7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles</b> <small>(31 62 23 13)</small>		
	Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.		
31 62 23 13-0023	VLF 12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pipe .....	56.26	
	For Piles Driven In Water, Add	19.21	
31 62 23 13-0024	VLF 14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pipe .....	67.88	
	For Piles Driven In Water, Add	21.35	
31 62 23 13-0025	VLF 16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pipe .....	76.67	
	For Piles Driven In Water, Add	23.35	
31 62 23 13-0026	VLF 18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pipe .....	83.39	
	For Piles Driven In Water, Add	25.32	
<b>31 62 23 13-0027</b>	<b>Tapered Friction Concrete-Filled Driven Steel Piles</b> <small>(31 62 23 13)</small>		
	Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.		
31 62 23 13-0028	VLF 12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pipe .....	55.25	
	For Piles Driven In Water, Add	19.11	
31 62 23 13-0029	VLF 14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pipe .....	56.84	
	For Piles Driven In Water, Add	20.25	
31 62 23 13-0030	VLF 16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pipe .....	68.93	
	For Piles Driven In Water, Add	22.57	
31 62 23 13-0031	VLF 18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pipe .....	79.30	
	For Piles Driven In Water, Add	24.91	
<b>31 62 23 13-0032</b>	<b>Thin Wall Shell Straight Sided Driven Steel Piles</b> <small>(31 62 23 13)</small>		
31 62 23 13-0033	VLF 8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pipe .....	33.89	
	For Piles Driven In Water, Add	14.85	
	For Thick Wall Shell, Add	0.05	
31 62 23 13-0034	VLF 10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pipe .....	37.43	
	For Piles Driven In Water, Add	16.48	
	For Thick Wall Shell, Add	0.06	
31 62 23 13-0035	VLF 12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pipe .....	40.95	
	For Piles Driven In Water, Add	18.11	
	For Thick Wall Shell, Add	0.06	
31 62 23 13-0036	VLF 14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pipe .....	44.49	
	For Piles Driven In Water, Add	19.74	
	For Thick Wall Shell, Add	0.07	
31 62 23 13-0037	VLF 16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pipe .....	48.03	
	For Piles Driven In Water, Add	21.36	
	For Thick Wall Shell, Add	0.07	
<b>31 63 Bored Piles</b> <small>(31 63)</small>			
<b>31 63 36 Drilled Steel Piles</b> <small>(31 63)</small>			
31 63 36 00-0001	Drill Hole <small>(31 63 36)</small>		
	Note: Excludes removal of excess material.		
31 63 36 00-0002	Drilling Mobilization <small>(31 63 36 00-0001)</small>		
31 63 36 00-0003	EA >12" To 24" Diameter Hole, Drilling Mobilization .....	829.69	
31 63 36 00-0004	EA >24" Diameter Hole, Drilling Mobilization .....	1,106.27	
31 63 36 00-0005	Drill Hole In Soil <small>(31 63 36 00-0001)</small>		
31 63 36 00-0006	LF 18" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	46.49	
31 63 36 00-0007	LF 20" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	54.05	
31 63 36 00-0008	LF 22" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	63.52	
31 63 36 00-0009	LF 24" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	74.87	
31 63 36 00-0010	LF 26" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	80.92	
31 63 36 00-0011	LF 28" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	89.03	
31 63 36 00-0012	LF 30" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	97.52	
31 63 36 00-0013	Steel H Piles <small>(31 63 36)</small>		
31 63 36 00-0014	Placed In Drilled Hole, Rolled Steel H-Section Piles <small>(31 63 36 00-0013)</small>		
	Note: Includes guides, bracing and alignment.		
31 63 36 00-0015	VLF 8" x 8" x 36 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile .....	49.61	
	For >2,400 To 3,600, Deduct	-1.52	
	For >3,600 To 4,800, Deduct	-3.05	
	For >4,800 To 6,000, Deduct	-5.53	
	For >6,000, Deduct	-8.01	

**31 Earthwork****31 60 Special Foundations and Load-bearing Elements****31 63 Bored Piles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0016	VLF	10" x 10" x 42 LB/FT,	Placed In Drilled Hole, Rolled Steel H Pile .....	56.56	
		<i>For &gt;2,400 To 3,600, Deduct</i>		-1.71	
		<i>For &gt;3,600 To 4,800, Deduct</i>		-3.42	
		<i>For &gt;4,800 To 6,000, Deduct</i>		-6.25	
		<i>For &gt;6,000, Deduct</i>		-9.08	
31 63 36 00-0017	VLF	10" x 10" x 57 LB/FT,	Placed In Drilled Hole, Rolled Steel H Pile .....	72.50	
		<i>For &gt;2,400 To 3,600, Deduct</i>		-2.11	
		<i>For &gt;3,600 To 4,800, Deduct</i>		-4.22	
		<i>For &gt;4,800 To 6,000, Deduct</i>		-7.85	
		<i>For &gt;6,000, Deduct</i>		-11.47	
31 63 36 00-0018	VLF	12" x 12" x 53 LB/FT,	Placed In Drilled Hole, Rolled Steel H Pile .....	68.60	
		<i>For &gt;2,400 To 3,600, Deduct</i>		-2.02	
		<i>For &gt;3,600 To 4,800, Deduct</i>		-4.04	
		<i>For &gt;4,800 To 6,000, Deduct</i>		-7.47	
		<i>For &gt;6,000, Deduct</i>		-10.90	
31 63 36 00-0019	VLF	12" x 12" x 63 LB/FT,	Placed In Drilled Hole, Rolled Steel H Pile .....	79.23	
		<i>For &gt;2,400 To 3,600, Deduct</i>		-2.29	
		<i>For &gt;3,600 To 4,800, Deduct</i>		-4.58	
		<i>For &gt;4,800 To 6,000, Deduct</i>		-8.54	
		<i>For &gt;6,000, Deduct</i>		-12.50	
31 63 36 00-0020	VLF	12" x 12" x 74 LB/FT,	Placed In Drilled Hole, Rolled Steel H Pile .....	91.95	
		<i>For &gt;2,400 To 3,600, Deduct</i>		-2.63	
		<i>For &gt;3,600 To 4,800, Deduct</i>		-5.26	
		<i>For &gt;4,800 To 6,000, Deduct</i>		-9.86	
		<i>For &gt;6,000, Deduct</i>		-14.46	
31 63 36 00-0021	VLF	12" x 12" x 84 LB/FT,	Placed In Drilled Hole, Rolled Steel H Pile .....	102.58	
		<i>For &gt;2,400 To 3,600, Deduct</i>		-2.90	
		<i>For &gt;3,600 To 4,800, Deduct</i>		-5.79	
		<i>For &gt;4,800 To 6,000, Deduct</i>		-10.92	
		<i>For &gt;6,000, Deduct</i>		-16.05	
31 63 36 00-0022	VLF	14" x 14" x 73 LB/FT,	Placed In Drilled Hole, Rolled Steel H Pile .....	91.21	
		<i>For &gt;2,400 To 3,600, Deduct</i>		-2.62	
		<i>For &gt;3,600 To 4,800, Deduct</i>		-5.24	
		<i>For &gt;4,800 To 6,000, Deduct</i>		-9.80	
		<i>For &gt;6,000, Deduct</i>		-14.36	
31 63 36 00-0023	VLF	14" x 14" x 89 LB/FT,	Placed In Drilled Hole, Rolled Steel H Pile .....	109.28	
		<i>For &gt;2,400 To 3,600, Deduct</i>		-3.07	
		<i>For &gt;3,600 To 4,800, Deduct</i>		-6.15	
		<i>For &gt;4,800 To 6,000, Deduct</i>		-11.61	
		<i>For &gt;6,000, Deduct</i>		-17.07	
31 63 36 00-0024	VLF	14" x 14" x 102 LB/FT,	Placed In Drilled Hole, Rolled Steel H Pile .....	123.16	
		<i>For &gt;2,400 To 3,600, Deduct</i>		-3.45	
		<i>For &gt;3,600 To 4,800, Deduct</i>		-6.90	
		<i>For &gt;4,800 To 6,000, Deduct</i>		-13.05	
		<i>For &gt;6,000, Deduct</i>		-19.21	
31 63 36 00-0025	VLF	14" x 14" x 117 LB/FT,	Placed In Drilled Hole, Rolled Steel H Pile .....	140.17	
		<i>For &gt;2,400 To 3,600, Deduct</i>		-3.87	
		<i>For &gt;3,600 To 4,800, Deduct</i>		-7.75	
		<i>For &gt;4,800 To 6,000, Deduct</i>		-14.75	
		<i>For &gt;6,000, Deduct</i>		-21.76	
<b>31 63 36 00-0026</b>		<b>Welded Steel Stud Pins</b> <small>(31 63 36 00-0013)</small>			
		Note: Includes welding to steel piles.			
31 63 36 00-0027	EA	5/8" Diameter x 2-1/2" Long,	Welded Steel Stud Pins .....	11.94	
		<i>For &gt;50 To 150, Deduct</i>		-0.53	
		<i>For &gt;150 To 250, Deduct</i>		-1.09	
		<i>For &gt;250 To 500, Deduct</i>		-1.65	
		<i>For &gt;500, Deduct</i>		-2.22	
31 63 36 00-0028	EA	5/8" Diameter x 5" Long,	Welded Steel Stud Pins .....	13.33	
		<i>For &gt;50 To 150, Deduct</i>		-0.53	
		<i>For &gt;150 To 250, Deduct</i>		-1.13	
		<i>For &gt;250 To 500, Deduct</i>		-1.72	
		<i>For &gt;500, Deduct</i>		-2.32	
31 63 36 00-0029	EA	5/8" Diameter x 7" Long,	Welded Steel Stud Pins .....	14.68	
		<i>For &gt;50 To 150, Deduct</i>		-0.53	
		<i>For &gt;150 To 250, Deduct</i>		-1.16	
		<i>For &gt;250 To 500, Deduct</i>		-1.79	
		<i>For &gt;500, Deduct</i>		-2.42	
31 63 36 00-0030	EA	3/4" Diameter x 2-1/2" Long,	Welded Steel Stud Pins .....	13.30	
		<i>For &gt;50 To 150, Deduct</i>		-0.56	
		<i>For &gt;150 To 250, Deduct</i>		-1.17	
		<i>For &gt;250 To 500, Deduct</i>		-1.78	
		<i>For &gt;500, Deduct</i>		-2.39	
31 63 36 00-0031	EA	3/4" Diameter x 5" Long,	Welded Steel Stud Pins .....	15.42	
		<i>For &gt;50 To 150, Deduct</i>		-0.56	
		<i>For &gt;150 To 250, Deduct</i>		-1.22	
		<i>For &gt;250 To 500, Deduct</i>		-1.88	
		<i>For &gt;500, Deduct</i>		-2.54	
31 63 36 00-0032	EA	3/4" Diameter x 7" Long,	Welded Steel Stud Pins .....	16.90	
		<i>For &gt;50 To 150, Deduct</i>		-0.56	
		<i>For &gt;150 To 250, Deduct</i>		-1.26	
		<i>For &gt;250 To 500, Deduct</i>		-1.96	
		<i>For &gt;500, Deduct</i>		-2.66	
31 63 36 00-0033	EA	7/8" Diameter x 2-1/2" Long,	Welded Steel Stud Pins .....	15.01	
		<i>For &gt;50 To 150, Deduct</i>		-0.58	
		<i>For &gt;150 To 250, Deduct</i>		-1.24	
		<i>For &gt;250 To 500, Deduct</i>		-1.91	
		<i>For &gt;500, Deduct</i>		-2.57	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 63 36 00-0034	EA 7/8" Diameter x 5" Long, Welded Steel Stud Pins.....	18.45
	For >50 To 150, Deduct	-0.58
	For >150 To 250, Deduct	-1.33
	For >250 To 500, Deduct	-2.08
	For >500, Deduct	-2.83
31 63 36 00-0035	EA 7/8" Diameter x 7" Long, Welded Steel Stud Pins.....	20.14
	For >50 To 150, Deduct	-0.58
	For >150 To 250, Deduct	-1.37
	For >250 To 500, Deduct	-2.16
	For >500, Deduct	-2.96

**31 63 36 00-0036**

**Concrete Fill** (31 63 36)

See CSI section 03 37 16 00-0001 for pumping equipment.

31 63 36 00-0037	VLF 18" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	34.71
31 63 36 00-0038	VLF 20" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	38.55
31 63 36 00-0039	VLF 22" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	42.41
31 63 36 00-0040	VLF 24" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	46.27
31 63 36 00-0041	VLF 26" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	50.12
31 63 36 00-0042	VLF 28" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	53.98
31 63 36 00-0043	VLF 30" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	63.85

**31 64 Caissons** (31 60)

**31 64 13 Box Caissons** (31 64)

**31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water** (31 64 13)

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

**31 64 13 00-0002 Caisson In Stable Ground** (31 64 13 00-0001)

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0003	VLF 18" Diameter Caisson, No Casing Stable Ground, No Ground Water.....	53.66
	Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.	
	For >50' To 100' Deep, Add	5.40
	For >100' To 150' Deep, Add	13.42
	For >150' To 200' Deep, Add	18.15
	For Right Angle Drilling, Add	13.65
31 64 13 00-0004	VLF 24" Diameter Caisson, No Casing Stable Ground, No Ground Water.....	68.15
	Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.	
	For >50' To 100' Deep, Add	7.47
	For >100' To 150' Deep, Add	17.04
	For >150' To 200' Deep, Add	23.82
	For Right Angle Drilling, Add	15.43
31 64 13 00-0005	VLF 30" Diameter Caisson, No Casing Stable Ground, No Ground Water.....	97.71
	Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.	
	For >50' To 100' Deep, Add	11.17
	For >100' To 150' Deep, Add	24.43
	For >150' To 200' Deep, Add	34.73
	For Right Angle Drilling, Add	20.66
31 64 13 00-0006	VLF 36" Diameter Caisson, No Casing Stable Ground, No Ground Water.....	130.14
	Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.	
	For >50' To 100' Deep, Add	15.34
	For >100' To 150' Deep, Add	32.54
	For >150' To 200' Deep, Add	46.82
	For Right Angle Drilling, Add	26.09
31 64 13 00-0007	VLF 42" Diameter Caisson, No Casing Stable Ground, No Ground Water.....	169.18
	Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.	
	For >50' To 100' Deep, Add	20.64
	For >100' To 150' Deep, Add	42.30
	For >150' To 200' Deep, Add	61.75
	For Right Angle Drilling, Add	31.71
31 64 13 00-0008	VLF 48" Diameter Caisson No Casing Stable Ground, No Ground Water.....	202.43
	Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.	
	For >50' To 100' Deep, Add	25.06
	For >100' To 150' Deep, Add	50.61
	For >150' To 200' Deep, Add	74.34
	For Right Angle Drilling, Add	36.82
31 64 13 00-0009	VLF 54" Diameter Caisson No Casing Stable Ground, No Ground Water.....	247.36
	Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.	
	For >50' To 100' Deep, Add	31.51
	For >100' To 150' Deep, Add	61.84
	For >150' To 200' Deep, Add	91.95
	For Right Angle Drilling, Add	42.22
31 64 13 00-0010	VLF 60" Diameter Caisson No Casing Stable Ground, No Ground Water.....	291.77
	Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.	
	For >50' To 100' Deep, Add	37.87
	For >100' To 150' Deep, Add	72.94
	For >150' To 200' Deep, Add	109.34
	For Right Angle Drilling, Add	47.59
31 64 13 00-0011	VLF 66" Diameter Caisson No Casing Stable Ground, No Ground Water.....	342.16
	Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.	
	For >50' To 100' Deep, Add	45.06
	For >100' To 150' Deep, Add	85.54
	For >150' To 200' Deep, Add	129.04
	For Right Angle Drilling, Add	53.78

**31 Earthwork**

**31 60 Special Foundations and Load-bearing Elements**

**31 64 Caissons**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64	13 00-0012	VLF	72" Diameter Caisson No Casing Stable Ground, No Ground Water..... Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.	401.31	
			For >50' To 100' Deep, Add	53.57	
			For >100' To 150' Deep, Add	100.33	
			For >150' To 200' Deep, Add	152.24	
			For Right Angle Drilling, Add	60.84	
31 64	13 00-0013	VLF	78" Diameter Caisson No Casing Stable Ground, No Ground Water..... Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.	459.59	
			For >50' To 100' Deep, Add	62.07	
			For >100' To 150' Deep, Add	114.90	
			For >150' To 200' Deep, Add	175.25	
			For Right Angle Drilling, Add	67.41	
31 64	13 00-0014	VLF	84" Diameter Caisson No Casing Stable Ground, No Ground Water..... Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.	521.87	
			For >50' To 100' Deep, Add	71.21	
			For >100' To 150' Deep, Add	130.47	
			For >150' To 200' Deep, Add	199.91	
			For Right Angle Drilling, Add	74.28	
<b>31 64 13 00-0015 For Bell Excavation And Concrete, Add <small>(31 64 13 00-0001)</small></b>					
31 64	13 00-0016	EA	Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY .....	379.17	
			For >50' To 100' Deep, Add	30.36	
			For >100' To 150' Deep, Add	94.79	
			For >150' To 200' Deep, Add	118.53	
31 64	13 00-0017	EA	Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY .....	1,332.66	
			For >50' To 100' Deep, Add	106.87	
			For >100' To 150' Deep, Add	333.17	
			For >150' To 200' Deep, Add	416.77	
31 64	13 00-0018	EA	Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY .....	2,011.37	
			For >50' To 100' Deep, Add	163.64	
			For >100' To 150' Deep, Add	502.84	
			For >150' To 200' Deep, Add	631.97	
31 64	13 00-0019	EA	Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY .....	2,791.23	
			For >50' To 100' Deep, Add	227.50	
			For >100' To 150' Deep, Add	697.81	
			For >150' To 200' Deep, Add	877.51	
31 64	13 00-0020	EA	Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY .....	3,797.02	
			For >50' To 100' Deep, Add	304.41	
			For >100' To 150' Deep, Add	949.26	
			For >150' To 200' Deep, Add	1,187.38	
31 64	13 00-0021	EA	Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY .....	4,465.01	
			For >50' To 100' Deep, Add	357.82	
			For >100' To 150' Deep, Add	1,116.25	
			For >150' To 200' Deep, Add	1,396.09	
31 64	13 00-0022	EA	Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY .....	7,574.59	
			For >50' To 100' Deep, Add	605.90	
			For >100' To 150' Deep, Add	1,893.65	
			For >150' To 200' Deep, Add	2,366.98	
31 64	13 00-0023	EA	Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY .....	10,937.04	
			For >50' To 100' Deep, Add	883.01	
			For >100' To 150' Deep, Add	2,734.26	
			For >150' To 200' Deep, Add	3,427.88	
<b>31 64 13 00-0024 Caisson In Wet Ground, Casing Pulled <small>(31 64 13)</small></b>					
Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.					
<b>31 64 13 00-0025 Caisson In Wet Ground <small>(31 64 13 00-0024)</small></b>					
Note: Includes 3000 PSI concrete and reinforcing.					
31 64	13 00-0026	VLF	18" Diameter Caisson Wet Ground, Casing Pulled .....	58.96	
			Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
			For >50' To 100' Deep, Add	5.76	
			For >100' To 150' Deep, Add	14.74	
			For >150' To 200' Deep, Add	19.73	
			For Right Angle Drilling, Add	15.53	
31 64	13 00-0027	VLF	24" Diameter Caisson Wet Ground, Casing Pulled .....	97.91	
			Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
			For >50' To 100' Deep, Add	9.55	
			For >100' To 150' Deep, Add	24.48	
			For >150' To 200' Deep, Add	32.74	
			For Right Angle Drilling, Add	25.84	
31 64	13 00-0028	VLF	30" Diameter Caisson Wet Ground, Casing Pulled .....	131.19	
			Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
			For >50' To 100' Deep, Add	13.52	
			For >100' To 150' Deep, Add	32.80	
			For >150' To 200' Deep, Add	44.77	
			For Right Angle Drilling, Add	32.38	
31 64	13 00-0029	VLF	36" Diameter Caisson Wet Ground, Casing Pulled .....	180.54	
			Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
			For >50' To 100' Deep, Add	18.86	
			For >100' To 150' Deep, Add	45.14	
			For >150' To 200' Deep, Add	61.94	
			For Right Angle Drilling, Add	43.73	
31 64	13 00-0030	VLF	42" Diameter Caisson Wet Ground, Casing Pulled .....	231.40	
			Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
			For >50' To 100' Deep, Add	25.00	
			For >100' To 150' Deep, Add	57.85	
			For >150' To 200' Deep, Add	80.42	
			For Right Angle Drilling, Add	53.49	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 64 13 00-0031	VLF 48" Diameter Caisson Wet Ground, Casing Pulled..... Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.	276.21
	For >50' To 100' Deep, Add	30.23
	For >100' To 150' Deep, Add	69.05
	For >150' To 200' Deep, Add	96.48
	For Right Angle Drilling, Add	62.64
31 64 13 00-0032	VLF 54" Diameter Caisson Wet Ground, Casing Pulled..... Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.	357.97
	For >50' To 100' Deep, Add	39.25
	For >100' To 150' Deep, Add	89.49
	For >150' To 200' Deep, Add	125.13
	For Right Angle Drilling, Add	80.94
31 64 13 00-0033	VLF 60" Diameter Caisson Wet Ground, Casing Pulled..... Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.	438.22
	For >50' To 100' Deep, Add	48.13
	For >100' To 150' Deep, Add	109.56
	For >150' To 200' Deep, Add	153.28
	For Right Angle Drilling, Add	98.85
31 64 13 00-0034	VLF 66" Diameter Caisson Wet Ground, Casing Pulled..... Note: 0.87 CY Concrete per VLF, 113 lbs rebar per VLF.	502.38
	For >50' To 100' Deep, Add	56.28
	For >100' To 150' Deep, Add	125.60
	For >150' To 200' Deep, Add	177.11
	For Right Angle Drilling, Add	109.85
31 64 13 00-0035	VLF 72" Diameter Caisson Wet Ground, Casing Pulled..... Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.	575.25
	For >50' To 100' Deep, Add	65.74
	For >100' To 150' Deep, Add	143.81
	For >150' To 200' Deep, Add	204.42
	For Right Angle Drilling, Add	121.72
31 64 13 00-0036	VLF 78" Diameter Caisson Wet Ground, Casing Pulled..... Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.	656.24
	For >50' To 100' Deep, Add	75.84
	For >100' To 150' Deep, Add	164.06
	For >150' To 200' Deep, Add	234.25
	For Right Angle Drilling, Add	136.24
31 64 13 00-0037	VLF 84" Diameter Caisson Wet Ground, Casing Pulled..... Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.	741.63
	For >50' To 100' Deep, Add	86.59
	For >100' To 150' Deep, Add	185.41
	For >150' To 200' Deep, Add	265.84
	For Right Angle Drilling, Add	151.20

**31 64 13 00-0038 For Bell Excavation And Concrete, Add** (31 64 13 00-0024)

31 64 13 00-0039	EA Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY..... For >50' To 100' Deep, Add	436.82
	For >100' To 150' Deep, Add	34.40
	For >150' To 200' Deep, Add	109.21
		135.82
31 64 13 00-0040	EA Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY..... For >50' To 100' Deep, Add	1,521.31
	For >100' To 150' Deep, Add	120.07
	For >150' To 200' Deep, Add	380.33
		473.37
31 64 13 00-0041	EA Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY..... For >50' To 100' Deep, Add	2,109.55
	For >100' To 150' Deep, Add	156.37
	For >150' To 200' Deep, Add	527.39
		643.74
31 64 13 00-0042	EA Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY..... For >50' To 100' Deep, Add	3,337.94
	For >100' To 150' Deep, Add	265.77
	For >150' To 200' Deep, Add	834.49
		1,041.52
31 64 13 00-0043	EA Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY..... For >50' To 100' Deep, Add	4,334.67
	For >100' To 150' Deep, Add	342.05
	For >150' To 200' Deep, Add	1,083.67
		1,348.68
31 64 13 00-0044	EA Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY..... For >50' To 100' Deep, Add	5,097.52
	For >100' To 150' Deep, Add	402.10
	For >150' To 200' Deep, Add	1,274.38
		1,585.84
31 64 13 00-0045	EA Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY..... For >50' To 100' Deep, Add	8,649.86
	For >100' To 150' Deep, Add	681.17
	For >150' To 200' Deep, Add	2,162.47
		2,689.56
31 64 13 00-0046	EA Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY..... For >50' To 100' Deep, Add	12,473.15
	For >100' To 150' Deep, Add	990.54
	For >150' To 200' Deep, Add	3,118.29
		3,888.71

**31 64 13 00-0047 Caisson In Soft Rock And Medium Hard Shale** (31 64 13)  
Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

**31 64 13 00-0048 Caisson In Soft Rock** (31 64 13 00-0047)

31 64 13 00-0049	VLF 18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water..... Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.	218.35
	For >50' To 100' Deep, Add	16.92
	For >100' To 150' Deep, Add	54.59
	For >150' To 200' Deep, Add	67.55
	For Right Angle Drilling, Add	71.31

**31 Earthwork****31 60 Special Foundations and Load-bearing Elements****31 64 Caissons**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64	13 00-0050	VLF	24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.	363.59	
			<i>For &gt;50' To 100' Deep, Add</i>	28.15	
			<i>For &gt;100' To 150' Deep, Add</i>	90.90	
			<i>For &gt;150' To 200' Deep, Add</i>	112.45	
			<i>For Right Angle Drilling, Add</i>	118.83	
31 64	13 00-0051	VLF	30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.	548.92	
			<i>For &gt;50' To 100' Deep, Add</i>	42.76	
			<i>For &gt;100' To 150' Deep, Add</i>	137.23	
			<i>For &gt;150' To 200' Deep, Add</i>	170.09	
			<i>For Right Angle Drilling, Add</i>	178.58	
31 64	13 00-0052	VLF	36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.	702.79	
			<i>For &gt;50' To 100' Deep, Add</i>	55.42	
			<i>For &gt;100' To 150' Deep, Add</i>	175.70	
			<i>For &gt;150' To 200' Deep, Add</i>	218.62	
			<i>For Right Angle Drilling, Add</i>	226.52	
31 64	13 00-0053	VLF	42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.	904.46	
			<i>For &gt;50' To 100' Deep, Add</i>	72.11	
			<i>For &gt;100' To 150' Deep, Add</i>	226.12	
			<i>For &gt;150' To 200' Deep, Add</i>	282.34	
			<i>For Right Angle Drilling, Add</i>	289.06	
31 64	13 00-0054	VLF	48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.	1,089.49	
			<i>For &gt;50' To 100' Deep, Add</i>	87.16	
			<i>For &gt;100' To 150' Deep, Add</i>	272.37	
			<i>For &gt;150' To 200' Deep, Add</i>	340.46	
			<i>For Right Angle Drilling, Add</i>	347.29	
31 64	13 00-0055	VLF	54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.	1,335.39	
			<i>For &gt;50' To 100' Deep, Add</i>	107.67	
			<i>For &gt;100' To 150' Deep, Add</i>	333.85	
			<i>For &gt;150' To 200' Deep, Add</i>	418.36	
			<i>For Right Angle Drilling, Add</i>	423.03	
31 64	13 00-0056	VLF	60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.	1,580.01	
			<i>For &gt;50' To 100' Deep, Add</i>	128.05	
			<i>For &gt;100' To 150' Deep, Add</i>	395.00	
			<i>For &gt;150' To 200' Deep, Add</i>	495.82	
			<i>For Right Angle Drilling, Add</i>	498.47	
31 64	13 00-0057	VLF	66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.	1,739.70	
			<i>For &gt;50' To 100' Deep, Add</i>	142.89	
			<i>For &gt;100' To 150' Deep, Add</i>	434.93	
			<i>For &gt;150' To 200' Deep, Add</i>	548.30	
			<i>For Right Angle Drilling, Add</i>	542.91	
31 64	13 00-0058	VLF	72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.	1,907.37	
			<i>For &gt;50' To 100' Deep, Add</i>	158.99	
			<i>For &gt;100' To 150' Deep, Add</i>	476.84	
			<i>For &gt;150' To 200' Deep, Add</i>	604.06	
			<i>For Right Angle Drilling, Add</i>	587.96	
31 64	13 00-0059	VLF	78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.	1,962.68	
			<i>For &gt;50' To 100' Deep, Add</i>	167.29	
			<i>For &gt;100' To 150' Deep, Add</i>	490.67	
			<i>For &gt;150' To 200' Deep, Add</i>	626.18	
			<i>For Right Angle Drilling, Add</i>	593.50	
31 64	13 00-0060	VLF	84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.	2,341.38	
			<i>For &gt;50' To 100' Deep, Add</i>	198.58	
			<i>For &gt;100' To 150' Deep, Add</i>	585.35	
			<i>For &gt;150' To 200' Deep, Add</i>	745.76	
			<i>For Right Angle Drilling, Add</i>	711.11	
31 64	13 00-0061		For Bell Excavation And Concrete, Add <small>(31 64 13 00-0047)</small>		
31 64	13 00-0062	EA	Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY	754.51	
			<i>For &gt;50' To 100' Deep, Add</i>	56.63	
			<i>For &gt;100' To 150' Deep, Add</i>	188.63	
			<i>For &gt;150' To 200' Deep, Add</i>	231.13	
31 64	13 00-0063	EA	Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY	2,654.86	
			<i>For &gt;50' To 100' Deep, Add</i>	199.42	
			<i>For &gt;100' To 150' Deep, Add</i>	663.72	
			<i>For &gt;150' To 200' Deep, Add</i>	813.43	
31 64	13 00-0064	EA	Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY	3,973.67	
			<i>For &gt;50' To 100' Deep, Add</i>	301.00	
			<i>For &gt;100' To 150' Deep, Add</i>	993.42	
			<i>For &gt;150' To 200' Deep, Add</i>	1,220.66	
31 64	13 00-0065	EA	Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY	5,658.36	
			<i>For &gt;50' To 100' Deep, Add</i>	428.20	
			<i>For &gt;100' To 150' Deep, Add</i>	1,414.59	
			<i>For &gt;150' To 200' Deep, Add</i>	1,737.65	
31 64	13 00-0066	EA	Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY	7,486.23	
			<i>For &gt;50' To 100' Deep, Add</i>	562.66	
			<i>For &gt;100' To 150' Deep, Add</i>	1,871.56	
			<i>For &gt;150' To 200' Deep, Add</i>	2,294.14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0067 EA Bell Excavation And Concrete, 10" Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY.....	9,125.66	
<i>For &gt;50' To 100' Deep, Add</i>	684.07	
<i>For &gt;100' To 150' Deep, Add</i>	2,281.42	
<i>For &gt;150' To 200' Deep, Add</i>	2,794.28	
31 64 13 00-0068 EA Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY.....	13,785.74	
<i>For &gt;50' To 100' Deep, Add</i>	1,040.69	
<i>For &gt;100' To 150' Deep, Add</i>	3,446.44	
<i>For &gt;150' To 200' Deep, Add</i>	4,230.33	
31 64 13 00-0069 EA Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY.....	20,727.25	
<i>For &gt;50' To 100' Deep, Add</i>	1,568.32	
<i>For &gt;100' To 150' Deep, Add</i>	5,181.81	
<i>For &gt;150' To 200' Deep, Add</i>	6,364.94	
<b>31 64 13 00-0070 Caisson Setup And Removal</b> <small>(31 64 13)</small>		
<i>Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.</i>		
31 64 13 00-0071 EA Erect, Set Up, Dismantle And Removal Of Caisson 18" To 36" Diameter, Complete .....	3,558.83	
31 64 13 00-0072 EA Erect, Set Up, Dismantle And Removal Of Caisson 48" To 84" Diameter, Complete .....	4,961.08	
31 64 13 00-0073 EA Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter .....	1,698.44	
31 64 13 00-0074 EA Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter .....	2,264.58	
31 64 13 00-0075 EA Relocate Caisson Equipment To Different Hole On-Site Without Dismantling .....	141.54	

**END OF SECTION 31**

<b>31</b>	<b>31 Earthwork</b>	
	<b>31 60</b>	<b>Special Foundations and Load-bearing Elements</b>
	31 64	Caissons

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 32 Exterior Improvements

### 32 01 Operation and Maintenance of Exterior Improvements <sup>(32)</sup>

#### 32 01 11 Paving Cleaning <sup>(32 01)</sup>

#### **32 01 11 53 Paint Removal from Paving** <sup>(32 01 11)</sup>

##### 32 01 11 53-0001 Remove Pavement Markings <sup>(32 01 11 53)</sup>

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF Removal Of 4" Wide Painted Or Epoxy Pavement Striping .....	1.87	
	For Up To 250, Add	0.94	
	For >250 To 1,000, Add	0.47	
	For >5,000 To 10,000, Deduct	-0.28	
	For >10,000 To 25,000, Deduct	-0.47	
	For >25,000 To 50,000, Deduct	-0.65	
	For >50,000, Deduct	-0.75	
32 01 11 53-0003	LF Removal Of 6" Wide Painted Or Epoxy Pavement Striping .....	2.26	
	For Up To 250, Add	1.13	
	For >250 To 1,000, Add	0.57	
	For >5,000 To 10,000, Deduct	-0.34	
	For >10,000 To 25,000, Deduct	-0.57	
	For >25,000 To 50,000, Deduct	-0.79	
	For >50,000, Deduct	-0.90	
32 01 11 53-0004	LF Removal Of 8" Wide Painted Or Epoxy Pavement Striping .....	2.71	
	For Up To 250, Add	1.36	
	For >250 To 1,000, Add	0.68	
	For >5,000 To 10,000, Deduct	-0.41	
	For >10,000 To 25,000, Deduct	-0.68	
	For >25,000 To 50,000, Deduct	-0.95	
	For >50,000, Deduct	-1.08	
32 01 11 53-0005	LF Removal Of 12" Wide Painted Or Epoxy Pavement Striping .....	3.24	
	For Up To 250, Add	1.62	
	For >250 To 1,000, Add	0.81	
	For >5,000 To 10,000, Deduct	-0.49	
	For >10,000 To 25,000, Deduct	-0.81	
	For >25,000 To 50,000, Deduct	-1.13	
	For >50,000, Deduct	-1.30	
32 01 11 53-0006	SF Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols.....	3.24	
	For Up To 250, Add	1.62	
	For >250 To 1,000, Add	0.81	
	For >5,000 To 10,000, Deduct	-0.49	
	For >10,000 To 25,000, Deduct	-0.81	
	For >25,000 To 50,000, Deduct	-1.13	
	For >50,000, Deduct	-1.30	
32 01 11 53-0007	LF Removal Of 4" Wide Thermoplastic Pavement Striping .....	2.42	
	For Up To 250, Add	1.21	
	For >250 To 1,000, Add	0.61	
	For >5,000 To 10,000, Deduct	-0.36	
	For >10,000 To 25,000, Deduct	-0.61	
	For >25,000 To 50,000, Deduct	-0.85	
	For >50,000, Deduct	-0.97	
32 01 11 53-0008	LF Removal Of 6" Wide Thermoplastic Pavement Striping .....	2.85	
	For Up To 250, Add	1.43	
	For >250 To 1,000, Add	0.71	
	For >5,000 To 10,000, Deduct	-0.43	
	For >10,000 To 25,000, Deduct	-0.71	
	For >25,000 To 50,000, Deduct	-1.00	
	For >50,000, Deduct	-1.14	
32 01 11 53-0009	LF Removal Of 8" Wide Thermoplastic Pavement Striping .....	3.45	
	For Up To 250, Add	1.73	
	For >250 To 1,000, Add	0.86	
	For >5,000 To 10,000, Deduct	-0.52	
	For >10,000 To 25,000, Deduct	-0.86	
	For >25,000 To 50,000, Deduct	-1.21	
	For >50,000, Deduct	-1.38	
32 01 11 53-0010	LF Removal Of 12" Wide Thermoplastic Pavement Striping .....	4.13	
	For Up To 250, Add	2.07	
	For >250 To 1,000, Add	1.03	
	For >5,000 To 10,000, Deduct	-0.62	
	For >10,000 To 25,000, Deduct	-1.03	
	For >25,000 To 50,000, Deduct	-1.45	
	For >50,000, Deduct	-1.65	
32 01 11 53-0011	SF Removal Of Thermoplastic Pavement Marking, Letters Or Symbols .....	4.13	
	For Up To 250, Add	2.07	
	For >250 To 1,000, Add	1.03	
	For >5,000 To 10,000, Deduct	-0.62	
	For >10,000 To 25,000, Deduct	-1.03	
	For >25,000 To 50,000, Deduct	-1.45	
	For >50,000, Deduct	-1.65	

#### 32 01 13 Flexible Paving Surface Treatment <sup>(32 01)</sup>

#### **32 01 13 61 Slurry Seal (Latex Modified)** <sup>(32 01 13)</sup>

##### 32 01 13 61-0001 Asphalt Seal Coating, For Roads And Parking Lot <sup>(32 01 13 61)</sup>

Note: Includes sweeping and cleaning of area.

**32 Exterior Improvements****32 01 Operation and Maintenance of Exterior Improvements****32 01 13 Flexible Paving Surface Treatment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 13 61-0002	EA		Asphalt Seal Coating Minimum.....508.96 Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
32 01 13 61-0003	SY		Up To 500 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....2.74 Note: 1/4" thick, 14 to 18 Lbs/SY.		
			For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.32	
			For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.38	
			For Rubberized Polymer Modified Emulsion (RPME), Add	0.48	
			For Each 0.5% Of Latex Addition, Add	0.17	
32 01 13 61-0004	SY		>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat .....2.48 Note: 1/4" thick, 14 to 18 Lbs/SY.		
			For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.31	
			For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.37	
			For Rubberized Polymer Modified Emulsion (RPME), Add	0.47	
			For Each 0.5% Of Latex Addition, Add	0.17	
32 01 13 61-0005	SY		>1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat .....2.27 Note: 1/4" thick, 14 to 18 Lbs/SY.		
			For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.30	
			For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.36	
			For Rubberized Polymer Modified Emulsion (RPME), Add	0.46	
			For Each 0.5% Of Latex Addition, Add	0.17	
32 01 13 61-0006	SY		>5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat .....2.08 Note: 1/4" thick, 14 to 18 Lbs/SY.		
			For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.29	
			For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.35	
			For Rubberized Polymer Modified Emulsion (RPME), Add	0.45	
			For Each 0.5% Of Latex Addition, Add	0.17	
32 01 13 61-0007	SY		>20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat .....1.90 Note: 1/4" thick, 14 to 18 Lbs/SY.		
			For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28	
			For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34	
			For Rubberized Polymer Modified Emulsion (RPME), Add	0.44	
			For Each 0.5% Of Latex Addition, Add	0.17	
32 01 13 61-0008	SY		>50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....1.74 Note: 1/4" thick, 14 to 18 Lbs/SY.		
			For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.27	
			For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.33	
			For Rubberized Polymer Modified Emulsion (RPME), Add	0.43	
			For Each 0.5% Of Latex Addition, Add	0.17	
32 01 13 61-0009	SY		Up To 500 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....3.31 Note: 3/8" thick, 25 to 30 Lbs/SY.		
			For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.33	
			For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.39	
			For Rubberized Polymer Modified Emulsion (RPME), Add	0.49	
			For Each 0.5% Of Latex Addition, Add	0.28	
32 01 13 61-0010	SY		>500 To 1,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....3.02 Note: 3/8" thick, 25 to 30 Lbs/SY.		
			For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.31	
			For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.37	
			For Rubberized Polymer Modified Emulsion (RPME), Add	0.47	
			For Each 0.5% Of Latex Addition, Add	0.28	
32 01 13 61-0011	SY		>1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....2.80 Note: 3/8" thick, 25 to 30 Lbs/SY.		
			For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.30	
			For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.36	
			For Rubberized Polymer Modified Emulsion (RPME), Add	0.46	
			For Each 0.5% Of Latex Addition, Add	0.28	
32 01 13 61-0012	SY		>5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....2.60 Note: 3/8" thick, 25 to 30 Lbs/SY.		
			For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.29	
			For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.35	
			For Rubberized Polymer Modified Emulsion (RPME), Add	0.45	
			For Each 0.5% Of Latex Addition, Add	0.28	
32 01 13 61-0013	SY		>20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....2.41 Note: 3/8" thick, 25 to 30 Lbs/SY.		
			For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28	
			For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34	
			For Rubberized Polymer Modified Emulsion (RPME), Add	0.44	
			For Each 0.5% Of Latex Addition, Add	0.28	
32 01 13 61-0014	SY		>50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....2.23 Note: 3/8" thick, 25 to 30 Lbs/SY.		
			For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.27	
			For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.33	
			For Rubberized Polymer Modified Emulsion (RPME), Add	0.43	
			For Each 0.5% Of Latex Addition, Add	0.28	

**32 01 13 62 Asphalt Surface Treatment (32 01 13)**

32 01 13 62-0001			<b>Polymer-Modified, Microsurfacing Emulsion (MSE Microsurfacing)</b> (32 01 13 62) Note: Use a blend of emulsified quick-set polymer-modified emulsion asphalt and latex-based polymer. Includes sweeping and cleaning of area.		
32 01 13 62-0002	SY		Up To 200 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....5.79		
32 01 13 62-0003	SY		Up To 500 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....5.34		
32 01 13 62-0004	SY		>500 To 1,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) .....4.95		
32 01 13 62-0005	SY		>1,000 To 5,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) .....4.63		
32 01 13 62-0006	SY		>5,000 To 10,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) .....4.32		
32 01 13 62-0007	SY		>10,000 To 20,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) .....4.06		
32 01 13 62-0008	SY		>20,000 To 50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) .....3.87		
32 01 13 62-0009	SY		>50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) .....3.77		

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

**32 01 16 Flexible Paving Rehabilitation** (32 01)

**32 01 16 71 Cold Milling Asphalt Pavement** (32 01 16)

**32 01 16 71-0001 Removal Of Asphalt Surface Course** (32 01 16 71)

Note: Includes direct loading into truck.

**32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas** (32 01 16 71-0001)

Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.

32 01 16 71-0003	SY Up To 3" Depth, Production Cold Milling Of Asphalt .....	4.08	
	For Up To 2,500, Add	3.06	
	For >2,500 To 5,000, Add	1.02	
	For >10,000 To 25,000, Deduct	-0.41	
	For >25,000, Deduct	-0.61	
32 01 16 71-0004	SY >3" To 6" Depth, Production Cold Milling Of Asphalt .....	5.44	
	For Up To 2,500, Add	4.08	
	For >2,500 To 5,000, Add	1.36	
	For >10,000 To 25,000, Deduct	-0.54	
	For >25,000, Deduct	-0.82	
32 01 16 71-0005	SY >6" To 12" Depth, Production Cold Milling Of Asphalt .....	7.24	
	For Up To 2,500, Add	5.43	
	For >2,500 To 5,000, Add	1.81	
	For >10,000 To 25,000, Deduct	-0.72	
	For >25,000, Deduct	-1.09	

**32 01 16 71-0006 Limited Production Cold Milling** (32 01 16 71-0001)

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.

32 01 16 71-0007	SY Up To 3" Depth, Limited Cold Milling Of Asphalt.....	25.79	
	For >100 To 1,000, Deduct	-12.90	
	For >1,000, Deduct	-19.34	
32 01 16 71-0008	SY >3" To 6" Depth, Limited Cold Milling Of Asphalt.....	34.15	
	For >100 To 1,000, Deduct	-17.08	
	For >1,000, Deduct	-25.61	
32 01 16 71-0009	SY >6" To 12" Depth, Limited Cold Milling Of Asphalt.....	45.49	
	For >100 To 1,000, Deduct	-22.75	
	For >1,000, Deduct	-34.12	

**32 01 16 71-0010 Grind, Leave In-Place Asphalt Grindings** (32 01 16 71)

Note: For use as subbase material, includes spreading and rolling.

32 01 16 71-0011	SY Grind, Leave In-Place As Subbase Course, 6-9" Depth.....	6.66	
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**32 01 16 74 In Place Hot Reused Asphalt Paving** (32 01 16)

**32 01 16 74-0001 Rejuvenate, Respread Asphalt Pavement** (32 01 16 74)

Note: Includes direct loading into truck.

32 01 16 74-0002	SY Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep.....	10.72	
32 01 16 74-0003	SY Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar.....	12.16	
32 01 16 74-0004	TON Removal, Rejuvenation, And Respreading Of Asphalt Grindings .....	174.20	

**32 01 16 74-0005 Reclamation, Pulverize And Blending With Existing** (32 01 16 74)

Note: Includes direct loading into truck.

32 01 16 74-0006	SY Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....	13.89	
32 01 16 74-0007	SY Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....	6.94	
32 01 16 74-0008	SY Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....	3.48	
32 01 16 74-0009	SY Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.29	
32 01 16 74-0010	SY >2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....	3.79	
32 01 16 74-0011	SY >2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....	15.16	
32 01 16 74-0012	SY >2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....	7.58	
32 01 16 74-0013	SY >2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.57	
32 01 16 74-0014	SY >3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....	16.68	
32 01 16 74-0015	SY >3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....	8.33	
32 01 16 74-0016	SY >3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....	4.17	
32 01 16 74-0017	SY >3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.85	
32 01 16 74-0018	SY >4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....	18.19	
32 01 16 74-0019	SY >4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....	9.09	

**32 Exterior Improvements****32 01 Operation and Maintenance of Exterior Improvements****32 01 16 Flexible Paving Rehabilitation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 01 16 74-0020	SY	>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....	4.54
32 01 16 74-0021	SY	>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....	4.24
32 01 16 74-0022	EA	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew .....	1,563.15

**32 01 17 Flexible Paving Repair** (32 01)

See CSI section 32 12 16 00-0000 for large area resurfacing.

**32 01 17 61 Sealing Cracks in Asphalt Paving** (32 01 17)

Note: Includes removing loose materials and cleaning.

**32 01 17 61-0001 Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair** (32 01 17 61)

Note: Includes removing loose materials and cleaning.

32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler .....	1.47
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add .....	0.40
		For 1" x 1/2" Fill, Add .....	0.75
		For Backer Rod, Add .....	0.83
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler .....	1.20
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add .....	0.33
		For 1" x 1/2" Fill, Add .....	0.63
		For Backer Rod, Add .....	0.76
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler .....	0.95
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add .....	0.27
		For 1" x 1/2" Fill, Add .....	0.51
		For Backer Rod, Add .....	0.68
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler .....	0.82
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add .....	0.24
		For 1" x 1/2" Fill, Add .....	0.45
		For Backer Rod, Add .....	0.64
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler .....	0.73
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add .....	0.21
		For 1" x 1/2" Fill, Add .....	0.39
		For Backer Rod, Add .....	0.60
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler .....	0.68
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add .....	0.19
		For 1" x 1/2" Fill, Add .....	0.37
		For Backer Rod, Add .....	0.58
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler .....	2.65
		For 3/8" x 1/4" Fill, Add .....	0.59
		For 1/2" x 1/4" Fill, Add .....	1.08
		For 1/2" x 1/2" Fill, Add .....	2.52
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler .....	2.13
		For 3/8" x 1/4" Fill, Add .....	0.48
		For 1/2" x 1/4" Fill, Add .....	0.89
		For 1/2" x 1/2" Fill, Add .....	2.07
32 01 17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler .....	1.65
		For 3/8" x 1/4" Fill, Add .....	0.38
		For 1/2" x 1/4" Fill, Add .....	0.71
		For 1/2" x 1/2" Fill, Add .....	1.67
32 01 17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler .....	1.44
		For 3/8" x 1/4" Fill, Add .....	0.34
		For 1/2" x 1/4" Fill, Add .....	0.62
		For 1/2" x 1/2" Fill, Add .....	1.49
32 01 17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler .....	1.31
		For 3/8" x 1/4" Fill, Add .....	0.31
		For 1/2" x 1/4" Fill, Add .....	0.56
		For 1/2" x 1/2" Fill, Add .....	1.33
32 01 17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler .....	1.21
		For 3/8" x 1/4" Fill, Add .....	0.28
		For 1/2" x 1/4" Fill, Add .....	0.51
		For 1/2" x 1/2" Fill, Add .....	1.21
32 01 17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth .....	0.47

**32 01 17 63 Flexible Pavement Repair** (32 01 17)**32 01 17 63-0001 Temporary Pot Hole Repair** (32 01 17 63)

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons .....	1,421.39
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified .....	427.42
		Note: Use for each ton over 3 tons.	
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons .....	1,366.82
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix .....	409.23
		Note: Use for each ton over 3 tons.	
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons .....	1,339.53
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified .....	400.14
		Note: Use for each ton over 3 tons.	
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons .....	1,312.25

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 01 17 63-0009 TON Temporary Pot Hole Repairs With Hot Mix .....391.04  
 Note: Use for each ton over 3 tons.

**32 01 17 63-0010 Asphalt Placement For Small Repairs** (32 01 17 63)

Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0001 for saw cutting.

32 01 17 63-0011 TON Asphalt Placement For Small Repair Areas, Cold Mix Modified.....242.59  
 Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.

32 01 17 63-0012 EA Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons .....1,958.15  
 Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.

32 01 17 63-0013 TON Asphalt Placement For Small Repair Areas, Cold Mix .....224.40  
 Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.

32 01 17 63-0014 EA Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons .....1,930.86  
 Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.

32 01 17 63-0015 TON Asphalt Placement For Small Repair Areas, Hot Mix Modified .....215.31  
 Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.

32 01 17 63-0016 EA Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons .....1,903.58  
 Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.

32 01 17 63-0017 TON Asphalt Placement For Small Repair Areas, Hot Mix .....206.21  
 Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.

**32 01 17 63-0018 Permanent Pot Hole Repair** (32 01 17 63)

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 01 17 63-0019 EA Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons .....1,545.20

32 01 17 63-0020 TON Permanent Pot Hole Repairs With Cold Mix .....501.68  
 Note: Use for each ton over 3 tons.

32 01 17 63-0021 EA Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons .....1,517.91

32 01 17 63-0022 TON Permanent Pot Hole Repairs With Hot Mix Modified .....492.59  
 Note: Use for each ton over 3 tons.

32 01 17 63-0023 EA Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons .....1,490.63

32 01 17 63-0024 TON Permanent Pot Hole Repairs With Hot Mix .....483.49  
 Note: Use for each ton over 3 tons.

**32 01 26 Rigid Paving Rehabilitation** (32 01)

**32 01 26 71 Grooving of Concrete Paving** (32 01 26)

**32 01 26 71-0001 Roadway Grooving** (32 01 26 71)

32 01 26 71-0002 EA First 500 SY Of Pavement Grooving, Concrete, Longitudinal .....3,563.98

32 01 26 71-0003 SY Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal .....3.30

32 01 26 71-0004 EA First 500 SY Of Pavement Grooving, Concrete, Traverse .....3,970.40

32 01 26 71-0005 SY Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse .....4.30

**32 01 26 71-0006 Rumble Strips** (32 01 26 71)

32 01 26 71-0007 EA First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....3,865.34

32 01 26 71-0008 LF Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt .....0.70

32 01 26 71-0009 EA First 2000 LF Of MIARDS, Rumble Strips, Concrete .....4,307.56

32 01 26 71-0010 LF Each LF Over First 2000 LF Of MIARDS, Rumble Strips, Concrete .....0.79

**32 01 26 73 Milling Of Concrete Paving** (32 01 26)

**32 01 26 73-0001 Removal Of Concrete** (32 01 26 73)

Note: Includes direct loading into truck.

**32 01 26 73-0002 Production Milling Of Roads And Parking Areas** (32 01 26 73-0001)

Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.

32 01 26 73-0003 SY Production Milling Of Concrete Per Inch .....6.17

**32 01 26 73-0004 Limited Production Milling** (32 01 26 73-0001)

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.

32 01 26 73-0005 SY Limited Production Milling Of Concrete Per Inch .....38.76

**32 01 90 Operation and Maintenance of Planting** (32 01)

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

**32 Exterior Improvements****32 01 Operation and Maintenance of Exterior Improvements****32 01 90 Operation and Maintenance of Planting**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 01 90 13 Fertilizing** (32 01 90)

32 01 90 13-0001	MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Granular).....	12.93
32 01 90 13-0002	MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Liquid).....	9.58
32 01 90 13-0003	MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular).....	10.45
32 01 90 13-0004	MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid).....	8.62

**32 01 90 19 Mowing** (32 01 90)

32 01 90 19-0001	ACR	Vegetation Cutting By Bush Hog.....	178.89
		Note: Includes normal debris removal, cutting, and trimming.	
		For <1 Acre, Add	44.72
32 01 90 19-0002	MSF	Mowing Vegetation With Riding Mower, >20,000 To 45,000 SF.....	6.21
32 01 90 19-0003	MSF	Mowing Vegetation With Riding Mower, >45,000 SF.....	4.81
32 01 90 19-0004	MSF	Clear Vegetation With Weed Trimmer, Up To 1,000 SF.....	22.09
		For Work On Slopes >2:1, Add	5.52
		For Clearing Light Brush, Add	3.31
32 01 90 19-0005	MSF	Clear Vegetation With Weed Trimmer, >1,000 SF.....	18.56
		For Work On Slopes >2:1, Add	4.64
		For Clearing Light Brush, Add	2.78
32 01 90 19-0006	MSF	Blow Or Vacuum Dispersed Non-Native Seed After Bulk Of Biomass Removed.....	18.30

**32 01 90 23 Pruning** (32 01 90)**32 01 90 23-0001 Tree Pruning** (32 01 90 23)

Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumpster.

**32 01 90 23-0002 Tree Pruning; Crown Cleaning** (32 01 90 23-0001)

Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.

32 01 90 23-0003	EA	1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	27.07
32 01 90 23-0004	EA	2" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	30.94
32 01 90 23-0005	EA	2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	34.80
32 01 90 23-0006	EA	3" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	38.67
32 01 90 23-0007	EA	4" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	58.77
32 01 90 23-0008	EA	4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	99.33
32 01 90 23-0009	EA	6" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	102.84
32 01 90 23-0010	EA	6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	189.17
32 01 90 23-0011	EA	9" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	164.69
32 01 90 23-0012	EA	9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	302.60
32 01 90 23-0013	EA	12" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	190.30
32 01 90 23-0014	EA	12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	349.94
32 01 90 23-0015	EA	18" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	221.22
32 01 90 23-0016	EA	18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	406.69
32 01 90 23-0017	EA	24" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	269.28
32 01 90 23-0018	EA	24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	491.90
32 01 90 23-0019	EA	30" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	334.51
32 01 90 23-0020	EA	30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	619.94
32 01 90 23-0021	EA	36" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	458.17
32 01 90 23-0022	EA	36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	840.21
32 01 90 23-0023	EA	48" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	726.86
32 01 90 23-0024	EA	48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	1,351.20

**32 01 90 23-0025 Tree Pruning; Crown Thinning** (32 01 90 23-0001)

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

32 01 90 23-0026	EA	1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand.....	33.18
32 01 90 23-0027	EA	2" Caliper, Tree Pruning (Crown Thinning), By Hand.....	37.90
32 01 90 23-0028	EA	2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand.....	42.62
32 01 90 23-0029	EA	3" Caliper, Tree Pruning (Crown Thinning), By Hand.....	47.41
32 01 90 23-0030	EA	4" Caliper, Tree Pruning (Crown Thinning), By Hand.....	72.00
32 01 90 23-0031	EA	4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	121.63
32 01 90 23-0032	EA	6" Caliper, Tree Pruning (Crown Thinning), By Hand.....	125.99
32 01 90 23-0033	EA	6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	231.73
32 01 90 23-0034	EA	9" Caliper, Tree Pruning (Crown Thinning), By Hand.....	201.78
32 01 90 23-0035	EA	9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	370.68
32 01 90 23-0036	EA	12" Caliper, Tree Pruning (Crown Thinning), By Hand.....	233.09
32 01 90 23-0037	EA	12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	428.66
32 01 90 23-0038	EA	18" Caliper, Tree Pruning (Crown Thinning), By Hand.....	270.99
32 01 90 23-0039	EA	18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	498.18
32 01 90 23-0040	EA	24" Caliper, Tree Pruning (Crown Thinning), By Hand.....	329.84
32 01 90 23-0041	EA	24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	602.60
32 01 90 23-0042	EA	30" Caliper, Tree Pruning (Crown Thinning), By Hand.....	409.74
32 01 90 23-0043	EA	30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	759.42
32 01 90 23-0044	EA	36" Caliper, Tree Pruning (Crown Thinning), By Hand.....	561.24
32 01 90 23-0045	EA	36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	1,029.27
32 01 90 23-0046	EA	48" Caliper, Tree Pruning (Crown Thinning), By Hand.....	890.39
32 01 90 23-0047	EA	48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	1,655.22

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**32 01 90 23-0048**

**Tree Pruning; Crown Raising** (32 01 90 23-0001)

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

32 01 90 23-0049	EA 1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	36.58	
32 01 90 23-0050	EA 2" Caliper, Tree Pruning (Crown Raising), By Hand	41.76	
32 01 90 23-0051	EA 2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	47.02	
32 01 90 23-0052	EA 3" Caliper, Tree Pruning (Crown Raising), By Hand	52.20	
32 01 90 23-0053	EA 4" Caliper, Tree Pruning (Crown Raising), By Hand	79.35	
32 01 90 23-0054	EA 4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	134.12	
32 01 90 23-0055	EA 6" Caliper, Tree Pruning (Crown Raising), By Hand	138.82	
32 01 90 23-0056	EA 6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	255.38	
32 01 90 23-0057	EA 9" Caliper, Tree Pruning (Crown Raising), By Hand	222.34	
32 01 90 23-0058	EA 9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	408.51	
32 01 90 23-0059	EA 12" Caliper, Tree Pruning (Crown Raising), By Hand	256.92	
32 01 90 23-0060	EA 12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	472.44	
32 01 90 23-0061	EA 18" Caliper, Tree Pruning (Crown Raising), By Hand	298.68	
32 01 90 23-0062	EA 18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	549.06	
32 01 90 23-0063	EA 24" Caliper, Tree Pruning (Crown Raising), By Hand	363.57	
32 01 90 23-0064	EA 24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	664.07	
32 01 90 23-0065	EA 30" Caliper, Tree Pruning (Crown Raising), By Hand	451.57	
32 01 90 23-0066	EA 30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	836.88	
32 01 90 23-0067	EA 36" Caliper, Tree Pruning (Crown Raising), By Hand	618.55	
32 01 90 23-0068	EA 36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,134.26	
32 01 90 23-0069	EA 48" Caliper, Tree Pruning (Crown Raising), By Hand	981.26	
32 01 90 23-0070	EA 48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,824.14	

**32 01 90 23-0071**

**Tree Pruning; Crown Reduction** (32 01 90 23-0001)

Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.

32 01 90 23-0072	EA 1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	39.29	
32 01 90 23-0073	EA 2" Caliper, Tree Pruning (Crown Reduction), By Hand	44.85	
32 01 90 23-0074	EA 2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	50.51	
32 01 90 23-0075	EA 3" Caliper, Tree Pruning (Crown Reduction), By Hand	56.07	
32 01 90 23-0076	EA 4" Caliper, Tree Pruning (Crown Reduction), By Hand	85.22	
32 01 90 23-0077	EA 4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	144.05	
32 01 90 23-0078	EA 6" Caliper, Tree Pruning (Crown Reduction), By Hand	149.11	
32 01 90 23-0079	EA 6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	274.29	
32 01 90 23-0080	EA 9" Caliper, Tree Pruning (Crown Reduction), By Hand	238.82	
32 01 90 23-0081	EA 9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	438.77	
32 01 90 23-0082	EA 12" Caliper, Tree Pruning (Crown Reduction), By Hand	275.94	
32 01 90 23-0083	EA 12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	507.45	
32 01 90 23-0084	EA 18" Caliper, Tree Pruning (Crown Reduction), By Hand	320.80	
32 01 90 23-0085	EA 18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	589.73	
32 01 90 23-0086	EA 24" Caliper, Tree Pruning (Crown Reduction), By Hand	390.48	
32 01 90 23-0087	EA 24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	713.26	
32 01 90 23-0088	EA 30" Caliper, Tree Pruning (Crown Reduction), By Hand	485.07	
32 01 90 23-0089	EA 30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	898.93	
32 01 90 23-0090	EA 36" Caliper, Tree Pruning (Crown Reduction), By Hand	664.33	
32 01 90 23-0091	EA 36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,218.34	
32 01 90 23-0092	EA 48" Caliper, Tree Pruning (Crown Reduction), By Hand	1,053.96	
32 01 90 23-0093	EA 48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,959.22	

**32 01 90 23-0094**

**Tree Pruning; Crown Restoration** (32 01 90 23-0001)

Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.

32 01 90 23-0095	EA 1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	45.09	
32 01 90 23-0096	EA 2" Caliper, Tree Pruning (Crown Restoration), By Hand	51.59	
32 01 90 23-0097	EA 2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	58.00	
32 01 90 23-0098	EA 3" Caliper, Tree Pruning (Crown Restoration), By Hand	64.42	
32 01 90 23-0099	EA 4" Caliper, Tree Pruning (Crown Restoration), By Hand	97.91	
32 01 90 23-0100	EA 4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	165.52	
32 01 90 23-0101	EA 6" Caliper, Tree Pruning (Crown Restoration), By Hand	171.38	
32 01 90 23-0102	EA 6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	315.25	
32 01 90 23-0103	EA 9" Caliper, Tree Pruning (Crown Restoration), By Hand	274.47	
32 01 90 23-0104	EA 9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	504.32	
32 01 90 23-0105	EA 12" Caliper, Tree Pruning (Crown Restoration), By Hand	317.16	
32 01 90 23-0106	EA 12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	583.21	
32 01 90 23-0107	EA 18" Caliper, Tree Pruning (Crown Restoration), By Hand	368.67	
32 01 90 23-0108	EA 18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	677.79	
32 01 90 23-0109	EA 24" Caliper, Tree Pruning (Crown Restoration), By Hand	448.79	
32 01 90 23-0110	EA 24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	819.86	
32 01 90 23-0111	EA 30" Caliper, Tree Pruning (Crown Restoration), By Hand	557.53	
32 01 90 23-0112	EA 30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,033.24	
32 01 90 23-0113	EA 36" Caliper, Tree Pruning (Crown Restoration), By Hand	763.64	

**32 Exterior Improvements****32 01 Operation and Maintenance of Exterior Improvements****32 01 90 Operation and Maintenance of Planting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0114	EA		36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	1,400.41	
32 01 90 23-0115	EA		48" Caliper, Tree Pruning (Crown Restoration), By Hand.....	1,211.42	
32 01 90 23-0116	EA		48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	2,252.05	
<b>32 01 90 23-0117</b>			<b>Shrub Pruning</b> <small>(32 01 90 23)</small>		
32 01 90 23-0118	MSF		Shrub Pruning, Prune, Shrub Bed.....	88.13	
32 01 90 23-0119	EA		Shrub Pruning, Prune, Shrub Under 3' Height.....	3.09	
32 01 90 23-0120	EA		Shrub Pruning, Prune, Shrub 4' Height.....	6.96	
32 01 90 23-0121	EA		Shrub Pruning, Prune, Shrub Over 6'.....	12.37	
32 01 90 23-0122	EA		Shrub Pruning, Prune Trees From Ground.....	30.94	
32 01 90 23-0123	EA		Shrub Pruning, Prune Trees From Ground, High Work.....	77.33	
<b>32 01 90 23-0124</b>			<b>Root Pruning</b> <small>(32 01 90 23)</small>		
Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.					
32 01 90 23-0125	EA		Root Pruning, One Side Of Up To 1-1/2" Caliper Tree.....	15.47	
32 01 90 23-0126	EA		Root Pruning, One Side Of 2" Caliper Tree.....	19.33	
32 01 90 23-0127	EA		Root Pruning, One Side Of 2-1/2" Caliper Tree.....	23.20	
32 01 90 23-0128	EA		Root Pruning, One Side Of 3" Caliper Tree.....	30.94	
32 01 90 23-0129	EA		Root Pruning, One Side Of 4" Caliper Tree.....	46.41	
32 01 90 23-0130	EA		Root Pruning, One Side Of >4" To 6" Caliper Tree.....	58.00	
32 01 90 23-0131	EA		Root Pruning, One Side Of >6" To 9" Caliper Tree.....	81.21	
32 01 90 23-0132	EA		Root Pruning, One Side Of >9" To 12" Caliper Tree.....	92.80	
32 01 90 23-0133	EA		Root Pruning, One Side Of >12" To 18" Caliper Tree.....	108.27	
32 01 90 23-0134	EA		Root Pruning, One Side Of >18" To 24" Caliper Tree.....	135.34	
32 01 90 23-0135	EA		Root Pruning, One Side Of >24" To 30" Caliper Tree.....	166.28	
32 01 90 23-0136	EA		Root Pruning, One Side Of >30" To 36" Caliper Tree.....	193.34	
32 01 90 23-0137	EA		Root Pruning, One Side Of >36" To 42" Caliper Tree.....	212.68	
32 01 90 23-0138	EA		Root Pruning, One Side Of >42" To 48" Caliper Tree.....	232.01	
<b>32 01 90 26</b>			<b>Watering</b> <small>(32 01 90)</small>		
Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.					
<b>32 01 90 26-0001</b>			<b>Watering Lawns, Plants And Trees</b> <small>(32 01 90 26)</small>		
Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.					
32 01 90 26-0002	MSF		Watering Sod/Grass, Per Inch Of Water.....	39.23	
32 01 90 26-0003	CSF		Watering Groundcover.....	6.11	
32 01 90 26-0004	CSF		Watering Annuals And Perennials.....	10.93	
32 01 90 26-0005	EA		Watering Trees, 1-1/2" To 5" Diameter By Hand.....	21.31	
32 01 90 26-0006	EA		Watering Trees, 6" To 12" Diameter By Hand.....	28.01	
32 01 90 26-0007	EA		Watering Trees, 13" To 18" Diameter By Hand.....	34.71	
32 01 90 26-0008	EA		Watering Trees, >18" Diameter By Hand.....	42.73	
32 01 90 26-0009	EA		Watering Shrub Or Bush By Hand.....	10.71	
<b>32 01 90 36</b>			<b>Weed and Brush Control</b> <small>(32 01 90)</small>		
<b>32 01 90 36-0001</b>			<b>Herbicide, Push Or Hand Spreader Applied</b> <small>(32 01 90 36)</small>		
32 01 90 36-0002	MSF		Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF).....	7.14	
			For >45 To 90, Deduct.....	-0.39	
			For >90 To 225, Deduct.....	-1.10	
			For >225 To 870, Deduct.....	-1.81	
			For >870, Deduct.....	-2.20	
32 01 90 36-0003	MSF		Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF).....	7.60	
			For >45 To 90, Deduct.....	-0.43	
			For >90 To 225, Deduct.....	-1.19	
			For >225 To 870, Deduct.....	-1.95	
			For >870, Deduct.....	-2.38	
32 01 90 36-0004	MSF		Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF).....	7.57	
			Note: Includes pre and post emergent.		
			For >45 To 90, Deduct.....	-0.43	
			For >90 To 225, Deduct.....	-1.19	
			For >225 To 870, Deduct.....	-1.94	
			For >870, Deduct.....	-2.37	
32 01 90 36-0005	MSF		Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF).....	7.85	
			Note: Includes pre and post emergents.		
			For >45 To 90, Deduct.....	-0.46	
			For >90 To 225, Deduct.....	-1.24	
			For >225 To 870, Deduct.....	-2.03	
			For >870, Deduct.....	-2.48	
<b>32 01 90 39</b>			<b>Pesticides</b> <small>(32 01 90)</small>		
32 01 90 39-0001	MSF		Pesticide - Surface Eating.....	9.94	
32 01 90 39-0002	MSF		Pesticide - Subsurface Eating.....	9.98	
32 01 90 39-0003	MSF		Pesticide - Fungicide Application.....	10.71	
<b>32 01 90 43</b>			<b>Weed and Cultivate Beds</b> <small>(32 01 90)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 01 90 43-0001	MSF Weed Mulched Bed.....	37.70
32 01 90 43-0002	MSF Weed Unmulched Bed.....	107.71
32 01 90 43-0003	MSF Cultivate Bed.....	57.99

**32 01 90 46 Hedge Trimming** (32 01 90)

32 01 90 46-0001	LF Trim 0-5' High Hedge, 0-3' Wide.....	5.09
32 01 90 46-0002	LF Trim 0-5' High Hedge, 4-6' Wide.....	7.63
32 01 90 46-0003	LF Trim 5-10' High Hedge, 0-3' Wide.....	11.56
32 01 90 46-0004	LF Trim 5-10' High Hedge, 4-6' Wide.....	11.77

**32 01 90 53 Plant Growth Regulator Application** (32 01 90)

32 01 90 53-0001	EA Plant Growth Regulator Application.....	5.50
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**32 10 Bases, Ballasts, and Paving** (32)

**32 11 Base Courses** (32 11)

**32 11 16 Subbase Courses** (32 11)

**32 11 16 16 Aggregate Subbase Courses** (32 11 16)

**32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas** (32 11 16 16)  
 Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 11 16 16-0002	Base And Subbase Courses By The CY <small>(32 11 16 16-0001)</small>	
32 11 16 16-0003	CY Class II Graded Crushed Aggregate Roadway Base Course.....	79.83
32 11 16 16-0004	CY Class III Graded Crushed Aggregate Roadway Base Course.....	77.23

**32 11 16 16-0005 Class II Base Courses By The SY** (32 11 16 16-0001)

32 11 16 16-0006	SY 2" Class II Graded Crushed Aggregate Base Course.....	4.37
	<i>For Up To 500, Add</i>	1.15
	<i>For &gt;500 To 1,000, Add</i>	0.44
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.17
	<i>For &gt;10,000, Deduct</i>	-0.28
32 11 16 16-0007	SY 4" Class II Crushed Aggregate Base Course.....	8.75
	<i>For Up To 500, Add</i>	2.31
	<i>For &gt;500 To 1,000, Add</i>	0.88
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.33
	<i>For &gt;10,000, Deduct</i>	-0.57
32 11 16 16-0008	SY 6" Class II Crushed Aggregate Base Course.....	13.12
	<i>For Up To 500, Add</i>	3.46
	<i>For &gt;500 To 1,000, Add</i>	1.31
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.50
	<i>For &gt;10,000, Deduct</i>	-0.85
32 11 16 16-0009	SY 9" Class II Crushed Aggregate Base Course.....	19.68
	<i>For Up To 500, Add</i>	5.19
	<i>For &gt;500 To 1,000, Add</i>	1.97
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.75
	<i>For &gt;10,000, Deduct</i>	-1.28
32 11 16 16-0010	SY 12" Class II Crushed Aggregate Base Course.....	26.25
	<i>For Up To 500, Add</i>	6.92
	<i>For &gt;500 To 1,000, Add</i>	2.63
	<i>For &gt;5,000 To 10,000, Deduct</i>	-1.00
	<i>For &gt;10,000, Deduct</i>	-1.71

**32 11 23 Aggregate Base Courses** (32 11)

**32 11 23 16 Aggregate Base Courses** (32 11 23)

**32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete)** (32 11 23 16)  
 Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 11 23 16-0002	SF 2" Crushed Aggregate Base Course For Sidewalks.....	0.53
	<i>For Up To 1,000, Add</i>	0.15
	<i>For &gt;1,000 To 2,500, Add</i>	0.05
32 11 23 16-0003	SF 3" Crushed Aggregate Base Course For Sidewalks.....	0.76
	<i>For Up To 1,000, Add</i>	0.21
	<i>For &gt;1,000 To 2,500, Add</i>	0.08
32 11 23 16-0004	SF 4" Crushed Aggregate Base Course For Sidewalks.....	0.98
	<i>For Up To 1,000, Add</i>	0.28
	<i>For &gt;1,000 To 2,500, Add</i>	0.10
32 11 23 16-0005	SF 5" Crushed Aggregate Base Course For Sidewalks.....	1.27
	<i>For Up To 1,000, Add</i>	0.36
	<i>For &gt;1,000 To 2,500, Add</i>	0.13
32 11 23 16-0006	SF 6" Crushed Aggregate Base Course For Sidewalks.....	1.55
	<i>For Up To 1,000, Add</i>	0.43
	<i>For &gt;1,000 To 2,500, Add</i>	0.16
32 11 23 16-0007	SF 7" Crushed Aggregate Base Course For Sidewalks.....	1.80
	<i>For Up To 1,000, Add</i>	0.50
	<i>For &gt;1,000 To 2,500, Add</i>	0.18
32 11 23 16-0008	SF 8" Crushed Aggregate Base Course For Sidewalks.....	2.04
	<i>For Up To 1,000, Add</i>	0.57
	<i>For &gt;1,000 To 2,500, Add</i>	0.20

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 11 Base Courses**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 11 26 Asphaltic Base Courses** (32 11)**32 11 26 19 Bituminous-Stabilized Base Courses** (32 11 26)**32 11 26 19-001 Bituminous-Stabilized Base Courses** (32 11 26 19)

32 11 26 19-002	CY	Bituminous Stabilized Base Course .....	81.68
Note: 3/4" ASTM C33.			

**32 12 Flexible Paving** (32 10)**32 12 13 Preparatory Coats** (32 12)**32 12 13 13 Tack Coats** (32 12 13)

32 12 13 13-0001	SY	Tack Coat, 0.04 Gallon/SY .....	0.52
		<i>For Up To 150, Add</i>	0.10
		<i>For &gt;150 To 300, Add</i>	0.05
		<i>For &gt;300 To 500, Add</i>	0.03
		<i>For &gt;3,500 To 5,000, Deduct</i>	-0.01
		<i>For &gt;5,000, Deduct</i>	-0.03
32 12 13 13-0002	SY	Tack Coat, 0.05 Gallon/SY .....	0.57
		<i>For Up To 150, Add</i>	0.11
		<i>For &gt;150 To 300, Add</i>	0.06
		<i>For &gt;300 To 500, Add</i>	0.03
		<i>For &gt;3,500 To 5,000, Deduct</i>	-0.01
		<i>For &gt;5,000, Deduct</i>	-0.03
32 12 13 13-0003	SY	Tack Coat, 0.07 Gallon/SY .....	0.67
		<i>For Up To 150, Add</i>	0.14
		<i>For &gt;150 To 300, Add</i>	0.07
		<i>For &gt;300 To 500, Add</i>	0.03
		<i>For &gt;3,500 To 5,000, Deduct</i>	-0.02
		<i>For &gt;5,000, Deduct</i>	-0.04
32 12 13 13-0004	SY	Tack Coat, 0.08 Gallon/SY .....	0.72
		<i>For Up To 150, Add</i>	0.15
		<i>For &gt;150 To 300, Add</i>	0.07
		<i>For &gt;300 To 500, Add</i>	0.04
		<i>For &gt;3,500 To 5,000, Deduct</i>	-0.02
		<i>For &gt;5,000, Deduct</i>	-0.05
32 12 13 13-0005	SY	Tack Coat, 0.10 Gallon/SY .....	0.83
		<i>For Up To 150, Add</i>	0.18
		<i>For &gt;150 To 300, Add</i>	0.08
		<i>For &gt;300 To 500, Add</i>	0.04
		<i>For &gt;3,500 To 5,000, Deduct</i>	-0.02
		<i>For &gt;5,000, Deduct</i>	-0.05
32 12 13 13-0006	SY	Tack Coat, 0.11 Gallon/SY .....	0.88
		<i>For Up To 150, Add</i>	0.19
		<i>For &gt;150 To 300, Add</i>	0.09
		<i>For &gt;300 To 500, Add</i>	0.04
		<i>For &gt;3,500 To 5,000, Deduct</i>	-0.02
		<i>For &gt;5,000, Deduct</i>	-0.06

**32 12 13 19 Prime Coats** (32 12 13)

32 12 13 19-0001	SY	Surface Prime Coat, 0.26 Gallon/SY .....	1.44
		<i>For Up To 150, Add</i>	0.32
		<i>For &gt;150 To 300, Add</i>	0.14
		<i>For &gt;300 To 500, Add</i>	0.07
		<i>For &gt;3,500 To 5,000, Deduct</i>	-0.04
		<i>For &gt;5,000, Deduct</i>	-0.10
32 12 13 19-0002	SY	Surface Prime Coat, 0.28 Gallon/SY .....	1.52
		<i>For Up To 150, Add</i>	0.34
		<i>For &gt;150 To 300, Add</i>	0.15
		<i>For &gt;300 To 500, Add</i>	0.08
		<i>For &gt;3,500 To 5,000, Deduct</i>	-0.04
		<i>For &gt;5,000, Deduct</i>	-0.10
32 12 13 19-0003	SY	Surface Prime Coat, 0.30 Gallon/SY .....	1.60
		<i>For Up To 150, Add</i>	0.36
		<i>For &gt;150 To 300, Add</i>	0.16
		<i>For &gt;300 To 500, Add</i>	0.08
		<i>For &gt;3,500 To 5,000, Deduct</i>	-0.04
		<i>For &gt;5,000, Deduct</i>	-0.11

**32 12 16 Asphalt Paving** (32 12)**32 12 16 13 Plant-Mix Asphalt Paving** (32 12 16)

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or prime coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0039 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.

**32 12 16 13-0001 Intermediate Binder Courses, Hot Mix Asphalt (HMA)** (32 12 16 13)

Note: Meets Caltrans requirements.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0002	TON		Bituminous Hot Mix Intermediate Course 3,954 LB/CY.....	112.24	
			Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
			For Up To 25, Add	16.38	
			For >25 To 50, Add	9.20	
			For >500 To 1,000, Deduct	-4.58	
			For >1,000 To 2,500, Deduct	-8.33	
			For >2,500 To 5,000, Deduct	-12.92	
			For >5,000, Deduct	-18.54	
			For Warm Mix Additive, Add	5.43	
32 12 16 13-0003	SY		1" Thick Bituminous Hot Mix Binder Course .....	6.40	
			Note: Includes placement, rolling, finishing and sweeping.		
			For Up To 1,000, Add	0.97	
			For >1,000 To 2,000, Add	0.55	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000 To 50,000, Deduct	-0.49	
			For >50,000 To 100,000, Deduct	-0.75	
			For >100,000, Deduct	-1.08	
32 12 16 13-0004	SY		1-1/2" Thick Bituminous Hot Mix Binder Course .....	9.48	
			Note: Includes placement, rolling, finishing and sweeping.		
			For Up To 700, Add	1.42	
			For >700 To 1,400, Add	0.80	
			For >7,000 To 14,000, Deduct	-0.40	
			For >14,000 To 32,000, Deduct	-0.72	
			For >32,000 To 64,000, Deduct	-1.12	
			For >64,000, Deduct	-1.61	
32 12 16 13-0005	SY		2" Thick Bituminous Hot Mix Binder Course .....	12.17	
			Note: Includes placement, rolling, finishing and sweeping.		
			For Up To 500, Add	1.76	
			For >500 To 1,000, Add	0.98	
			For >5,000 To 10,000, Deduct	-0.52	
			For >10,000 To 24,000, Deduct	-0.95	
			For >24,000 To 48,000, Deduct	-1.46	
			For >48,000, Deduct	-2.11	
32 12 16 13-0006	SY		2-1/2" Thick Bituminous Hot Mix Binder Course .....	15.41	
			Note: Includes placement, rolling, finishing and sweeping.		
			For Up To 400, Add	2.25	
			For >400 To 800, Add	1.26	
			For >4,000 To 8,000, Deduct	-0.65	
			For >8,000 To 20,000, Deduct	-1.19	
			For >20,000 To 40,000, Deduct	-1.84	
			For >40,000, Deduct	-2.65	
32 12 16 13-0007	SY		3" Thick Bituminous Hot Mix Binder Course .....	18.50	
			Note: Includes placement, rolling, finishing and sweeping.		
			For Up To 340, Add	2.70	
			For >340 To 680, Add	2.20	
			For >3,400 To 6,800, Deduct	-0.78	
			For >6,800 To 17,000, Deduct	-1.43	
			For >17,000 To 34,000, Deduct	-2.21	
			For >34,000, Deduct	-3.18	
32 12 16 13-0008	SY		3-1/2" Thick Bituminous Hot Mix Binder Course .....	21.57	
			Note: Includes placement, rolling, finishing and sweeping.		
			For Up To 280, Add	3.15	
			For >280 To 560, Add	1.77	
			For >2,800 To 5,600, Deduct	-0.91	
			For >5,600 To 14,000, Deduct	-1.67	
			For >14,000 To 28,000, Deduct	-2.58	
			For >28,000, Deduct	-3.71	
32 12 16 13-0009	SY		4" Thick Bituminous Hot Mix Binder Course .....	24.65	
			Note: Includes placement, rolling, finishing and sweeping.		
			For Up To 250, Add	3.60	
			For >250 To 500, Add	2.02	
			For >2,500 To 5,000, Deduct	-1.04	
			For >5,000 To 12,000, Deduct	-1.90	
			For >12,000 To 24,000, Deduct	-2.95	
			For >24,000, Deduct	-4.24	
32 12 16 13-0010	SY		5" Thick Bituminous Hot Mix Binder Course .....	30.81	
			Note: Includes placement, rolling, finishing and sweeping.		
			For Up To 200, Add	4.50	
			For >200 To 400, Add	2.52	
			For >2,000 To 4,000, Deduct	-1.30	
			For >4,000 To 10,000, Deduct	-2.38	
			For >10,000 To 20,000, Deduct	-3.68	
			For >20,000, Deduct	-5.30	
32 12 16 13-0011	SY		6" Thick Bituminous Hot Mix Binder Course .....	36.97	
			Note: Includes placement, rolling, finishing and sweeping.		
			For Up To 160, Add	5.40	
			For >160 To 320, Add	3.03	
			For >1,600 To 3,200, Deduct	-1.57	
			For >3,200 To 8,000, Deduct	-2.86	
			For >8,000 To 16,000, Deduct	-4.42	
			For >16,000, Deduct	-6.36	
32 12 16 13-0012			Surface Courses, Hot Mix Asphalt (HMA) (32 12 16 13)		
			Note: Meets Caltrans requirements.		

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0013	TON		Bituminous Hot Mix Surface Course 3954 LB/CY .....115.58 Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
			<i>For PG64-10 Asphalt, Add</i>	1.99	
			<i>For Up To 25, Add</i>	18.01	
			<i>For &gt;25 To 50, Add</i>	10.26	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.50	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-8.19	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-12.69	
			<i>For &gt;5,000, Deduct</i>	-18.24	
			<i>For Warm Mix Additive, Add</i>	5.18	
32 12 16 13-0014	TON		Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR).....128.73 Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
			<i>For Up To 25, Add</i>	20.40	
			<i>For &gt;25 To 50, Add</i>	11.66	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.94	
			<i>For Warm Mix Additive, Add</i>	5.65	
32 12 16 13-0015	TON		Asphalt Rubberized Hot Mix (ARHM) Surface Course .....136.70 Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
			<i>For Up To 25, Add</i>	21.19	
			<i>For &gt;25 To 50, Add</i>	12.06	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.34	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-9.73	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-15.06	
			<i>For &gt;5,000, Deduct</i>	-21.65	
			<i>For Warm Mix Additive, Add</i>	6.17	
32 12 16 13-0016	SY		1" Thick Bituminous Hot Mix Surface Course.....6.34 Note: Includes placement, rolling, finishing and sweeping.		
			<i>For PG64-10 Asphalt, Add</i>	0.10	
			<i>For Up To 1,000, Add</i>	1.02	
			<i>For &gt;1,000 To 2,000, Add</i>	0.59	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.25	
			<i>For &gt;20,000 To 50,000, Deduct</i>	-0.46	
			<i>For &gt;50,000 To 100,000, Deduct</i>	-0.71	
			<i>For &gt;100,000, Deduct</i>	-1.03	
32 12 16 13-0017	SY		1-1/2" Thick Bituminous Hot Mix Surface Course .....9.37 Note: Includes placement, rolling, finishing and sweeping.		
			<i>For PG64-10 Asphalt, Add</i>	0.16	
			<i>For Up To 700, Add</i>	1.50	
			<i>For &gt;700 To 1,400, Add</i>	0.86	
			<i>For &gt;7,000 To 14,000, Deduct</i>	-0.38	
			<i>For &gt;14,000 To 32,000, Deduct</i>	-0.69	
			<i>For &gt;32,000 To 64,000, Deduct</i>	-1.06	
			<i>For &gt;64,000, Deduct</i>	-1.53	
32 12 16 13-0018	SY		2" Thick Bituminous Hot Mix Surface Course.....11.93 Note: Includes placement, rolling, finishing and sweeping.		
			<i>For PG64-10 Asphalt, Add</i>	0.21	
			<i>For Up To 500, Add</i>	1.84	
			<i>For &gt;500 To 1,000, Add</i>	1.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.49	
			<i>For &gt;10,000 To 24,000, Deduct</i>	-0.90	
			<i>For &gt;24,000 To 48,000, Deduct</i>	-1.38	
			<i>For &gt;48,000, Deduct</i>	-1.99	
32 12 16 13-0019	SY		2-1/2" Thick Bituminous Hot Mix Surface Course .....15.15 Note: Includes placement, rolling, finishing and sweeping.		
			<i>For PG64-10 Asphalt, Add</i>	0.26	
			<i>For Up To 400, Add</i>	2.36	
			<i>For &gt;400 To 800, Add</i>	1.35	
			<i>For &gt;4,000 To 8,000, Deduct</i>	-0.62	
			<i>For &gt;8,000 To 20,000, Deduct</i>	-1.13	
			<i>For &gt;20,000 To 40,000, Deduct</i>	-1.75	
			<i>For &gt;40,000, Deduct</i>	-2.51	
32 12 16 13-0020	SY		3" Thick Bituminous Hot Mix Surface Course.....18.17 Note: Includes placement, rolling, finishing and sweeping.		
			<i>For PG64-10 Asphalt, Add</i>	0.31	
			<i>For Up To 340, Add</i>	2.83	
			<i>For &gt;340 To 680, Add</i>	2.24	
			<i>For &gt;3,400 To 6,800, Deduct</i>	-0.74	
			<i>For &gt;6,800 To 17,000, Deduct</i>	-1.35	
			<i>For &gt;17,000 To 34,000, Deduct</i>	-2.09	
			<i>For &gt;34,000, Deduct</i>	-3.01	
32 12 16 13-0021	CSF		Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench.....70.09		
32 12 16 13-0022			<b>Hand Placed, Hot Mix Asphalt (HMA)</b> (32 12 16 13)		
32 12 16 13-0023	TON		Hand Placed Hot Mixed Asphalt 3,954 LB/CY .....315.22 Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		
32 12 16 19			<b>Cold-Mix Asphalt Paving</b> (32 12 16)		
			Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0001			<b>Cold Mix Asphalt (CMA) Pavement</b> (32 12 16 19)		
			Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0002	SY		Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course .....10.20		
32 12 16 19-0003	SY		Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course .....9.86		
32 12 16 19-0004	SY		Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course .....15.06		
32 12 16 39			<b>Paving Fabrics</b> (32 12 16)		
			See CSI section 31 32 19 16-0000 for geotextile fabric.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 12 16 39-0001	SY		3.6 Oz/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O) .....	1.08	
			<i>For Up To 50, Add</i> .....	0.25	
			<i>For &gt;50 To 150, Add</i> .....	0.19	
			<i>For &gt;150 To 250, Add</i> .....	0.12	
			<i>For &gt;250 To 500, Add</i> .....	0.06	
32 12 16 39-0002	SY		4.1 Oz/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O) .....	1.16	
			<i>For Up To 50, Add</i> .....	0.27	
			<i>For &gt;50 To 150, Add</i> .....	0.20	
			<i>For &gt;150 To 250, Add</i> .....	0.13	
			<i>For &gt;250 To 500, Add</i> .....	0.06	

**32 12 16 43 Waterproofing Membranes (32 12 16)**

32 12 16 43-0001	<b>Waterproofing Membranes (32 12 16 43)</b>				
32 12 16 43-0002	SY		Up To 500 SY, Preformed Rubberized Asphalt Membrane .....	29.90	
32 12 16 43-0003	SY		>500 To 1,000 SY, Preformed Rubberized Asphalt Membrane .....	22.08	
32 12 16 43-0004	SY		>1,000 SY, Preformed Rubberized Asphalt Membrane .....	13.20	

**32 12 33 Flexible Paving Surface Treatments (32 12)**

32 12 33 00-0001	<b>Bituminous Surface Treatment For Roadways (32 12 33)</b>				
			Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.		
32 12 33 00-0002	SY		Single Course Bituminous Treatment, Prepare And Clean Surface Roadway .....	2.48	
32 12 33 00-0003	SY		Double Course Bituminous Treatment, Prepare And Clean Surface Roadway .....	4.51	

**32 12 33 00-0004 Bituminous Surface Treatment For Trails (32 12 33)**

32 12 33 00-0005	SY		Bituminous Surface Treatment, For Trails .....	1.62	
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**32 12 36 Seal Coats (32 12)**

See CSI section 32 01 13 62-0000 for slurry seal.

**32 12 36 13 Asphaltic Seal and Fog Coats (32 12 36)**

32 12 36 13-0001	<b>Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13)</b>				
			Note: Includes initial sweeping prior to placement, cleaning of area, rolling and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping.		
32 12 36 13-0002	<b>Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13-0001)</b>				
			Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0003	SY		Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.44	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.22	
32 12 36 13-0004	SY		>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.28	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.22	
32 12 36 13-0005	SY		>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.15	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.22	
32 12 36 13-0006	SY		>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.01	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.22	
32 12 36 13-0007	SY		>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	1.92	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.22	
32 12 36 13-0008	SY		>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	1.86	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.22	
32 12 36 13-0009	SY		>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	1.79	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.22	
32 12 36 13-0010	SY		>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	1.76	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.22	
32 12 36 13-0011	<b>Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13-0001)</b>				
			Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 13-0012	SY		Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.95	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.27	
32 12 36 13-0013	SY		>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.73	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.27	
32 12 36 13-0014	SY		>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.56	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.27	
32 12 36 13-0015	SY		>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.50	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.27	
32 12 36 13-0016	SY		>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.27	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.27	
32 12 36 13-0017	SY		>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.14	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.27	
32 12 36 13-0018	SY		>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.04	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.27	
32 12 36 13-0019	SY		>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.00	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.27	
32 12 36 13-0020	<b>Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13-0001)</b>				
			Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0021	SY		Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.44	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.32	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0022	SY		>200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.15	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.32	
32 12 36 13-0023	SY		>500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.95	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.32	
32 12 36 13-0024	SY		>1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.70	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.32	
32 12 36 13-0025	SY		>5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.58	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.32	
32 12 36 13-0026	SY		>10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.38	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.32	
32 12 36 13-0027	SY		>20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.25	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.32	
32 12 36 13-0028	SY		>50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.21	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.32	
<b>32 12 36 13-0029</b>			<b>Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)</b>		
			<small>(32 12 36 13-0001)</small>		
			Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0030	SY		Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.49	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.37	
32 12 36 13-0031	SY		>200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.21	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.37	
32 12 36 13-0032	SY		>500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.00	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.37	
32 12 36 13-0033	SY		>1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.77	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.37	
32 12 36 13-0034	SY		>5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.63	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.37	
32 12 36 13-0035	SY		>10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.51	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.37	
32 12 36 13-0036	SY		>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.31	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.37	
32 12 36 13-0037	SY		>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.26	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.37	
<b>32 12 36 13-0038</b>			<b>Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)</b> <small>(32 12 36 13-0001)</small>		
			Note: First coat 23 to 30 Pounds Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0039	SY		Up To 200 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	5.37	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.53	
32 12 36 13-0040	SY		>200 To 500 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	4.92	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.53	
32 12 36 13-0041	SY		>500 To 1,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	4.59	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.53	
32 12 36 13-0042	SY		>1,000 To 5,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	4.21	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.53	
32 12 36 13-0043	SY		>5,000 To 10,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.99	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.53	
32 12 36 13-0044	SY		>10,000 To 20,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.73	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.53	
32 12 36 13-0045	SY		>20,000 To 50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.52	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.53	
32 12 36 13-0046	SY		>50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.45	
			<i>For Each Additional 0.5% Latex Additive, Add</i> .....	0.53	
<b>32 12 36 13-0047</b>			<b>Fog Seal, CQS-1h</b> <small>(32 12 36 13)</small>		
			Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.		
32 12 36 13-0048	SY		Up To 200 SY, CQS-1h, Fog Seal .....	1.41	
32 12 36 13-0049	SY		>200 To 500 SY, CQS-1h, Fog Seal .....	0.97	
32 12 36 13-0050	SY		>500 To 1,000 SY, CQS-1h, Fog Seal .....	0.80	
32 12 36 13-0051	SY		>1,000 To 5,000 SY, CQS-1h, Fog Seal .....	0.64	
32 12 36 13-0052	SY		>5,000 To 10,000 SY, CQS-1h, Fog Seal .....	0.57	
32 12 36 13-0053	SY		>10,000 To 20,000 SY, CQS-1h, Fog Seal .....	0.51	
32 12 36 13-0054	SY		>20,000 To 50,000 SY, CQS-1h, Fog Seal .....	0.46	
32 12 36 13-0055	SY		>50,000 SY, CQS-1h, Fog Seal .....	0.43	
<b>32 12 36 13-0056</b>			<b>Sand Sealer</b> <small>(32 12 36 13)</small>		
			Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.		
32 12 36 13-0057	SY		Up To 200 SY, Sand Seal .....	2.18	
32 12 36 13-0058	SY		>200 To 500 SY, Sand Seal .....	1.35	
32 12 36 13-0059	SY		>500 To 1,000 SY, Sand Seal .....	1.34	
32 12 36 13-0060	SY		>1,000 To 5,000 SY, Sand Seal .....	1.15	
32 12 36 13-0061	SY		>5,000 To 10,000 SY, Sand Seal .....	1.05	
32 12 36 13-0062	SY		>10,000 To 20,000 SY, Sand Seal .....	0.97	
32 12 36 13-0063	SY		>20,000 To 50,000 SY, Sand Seal .....	0.90	
32 12 36 13-0064	SY		>50,000 SY, Sand Seal .....	0.88	
<b>32 12 36 16</b>			<b>Coal Tar Seal Coats</b> <small>(32 12 36)</small>		
<b>32 12 36 16-0001</b>			<b>Thermoplastic Coal-Tar Asphalt Seal</b> <small>(32 12 36 16)</small>		
			Note: Includes sweeping and cleaning of area.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 12 36 16-0002	SY		Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal .....	7.71	
32 12 36 16-0003	SY		>500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	7.11	
32 12 36 16-0004	SY		>1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	6.21	
32 12 36 16-0005	SY		>5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	5.48	
32 12 36 16-0006	SY		>20,000 To 50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	4.56	
32 12 36 16-0007	SY		>50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	3.66	
32 12 36 16-0008	SY		Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal .....	9.03	
32 12 36 16-0009	SY		>500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	8.38	
32 12 36 16-0010	SY		>1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	7.34	
32 12 36 16-0011	SY		>5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	6.52	
32 12 36 16-0012	SY		>20,000 To 50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	5.47	
32 12 36 16-0013	SY		>50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	4.43	

**32 12 43 Porous Flexible Paving (32 12)**

32 12 43 00-0001			<b>Flexible Recycled Plastic Porous Grid (32 12 43)</b> Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.		
32 12 43 00-0002	SY		1" Thick, Recycled Plastic Flexible Pavement With Sand Fill .....	29.76	
			Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.		
			For Up To 100, Add	10.56	
			For >100 To 500, Add	2.74	
			For >1,000 To 5,000, Deduct	-1.25	
			For >5,000, Deduct	-2.39	

**32 12 73 Asphalt Paving Joint Sealants (32 12)**

32 12 73 00-0001			<b>Expansion Joint In Sidewalk (32 12 73)</b>		
32 12 73 00-0002	LF		For Hot Asphalt Poured Over Expansion Joint In Sidewalk .....	3.58	

**32 13 Rigid Paving (32 10)**

**32 13 13 Concrete Paving (32 13)**

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

**32 13 13 33 Plain Concrete Paving (32 13 13)**

32 13 13 33-0001			<b>Concrete Paving Assemblies (32 13 13 33)</b> Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.		
32 13 13 33-0002			<b>4,500 PSI Concrete Paving Assembly (32 13 13 33-0001)</b>		
32 13 13 33-0003	SY		4" 4,500 PSI Concrete Paving Assembly .....	49.72	
			For 2,500 PSI Concrete, Deduct	-2.76	
			For 3,000 PSI Concrete, Deduct	-1.80	
			For 3,500 PSI Concrete, Deduct	-1.44	
			For 4,000 PSI Concrete, Deduct	-0.62	
			For 5,000 PSI Concrete, Add	0.38	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	3.12	
			For <12' Wide Pass, Add	8.83	
			For 24' Or Greater Wide Pass, Deduct	-9.94	
			For Air Entrainment, Add	1.20	
			For Slipforming, Deduct	-4.97	
			For Up To 100, Add	20.24	
			For >100 To 250, Add	11.32	
			For >250 To 500, Add	5.66	
			For >1,000 To 2,000, Deduct	-1.20	
			For >2,000 To 5,000, Deduct	-2.44	
			For >5,000 To 10,000, Deduct	-3.69	
			For >10,000 To 20,000, Deduct	-4.93	
			For >20,000, Deduct	-6.17	
32 13 13 33-0004	SY		5" 4,500 PSI Concrete Paving Assembly .....	58.71	
			For 2,500 PSI Concrete, Deduct	-3.46	
			For 3,000 PSI Concrete, Deduct	-2.26	
			For 3,500 PSI Concrete, Deduct	-1.81	
			For 4,000 PSI Concrete, Deduct	-0.78	
			For 5,000 PSI Concrete, Add	0.48	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	3.91	
			For <12' Wide Pass, Add	10.16	
			For 24' Or Greater Wide Pass, Deduct	-11.74	
			For Air Entrainment, Add	1.51	
			For Slipforming, Deduct	-5.87	
			For Up To 100, Add	23.18	
			For >100 To 250, Add	13.10	
			For >250 To 500, Add	6.55	
			For >1,000 To 2,000, Deduct	-1.51	
			For >2,000 To 5,000, Deduct	-2.97	
			For >5,000 To 10,000, Deduct	-4.44	
			For >10,000 To 20,000, Deduct	-5.91	
			For >20,000, Deduct	-7.38	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 13 Rigid Paving**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 13 13 33-0005	SY 6" 4,500 PSI Concrete Paving Assembly .....	62.74	
	For 2,500 PSI Concrete, Deduct	-3.65	
	For 3,000 PSI Concrete, Deduct	-2.38	
	For 3,500 PSI Concrete, Deduct	-1.91	
	For 4,000 PSI Concrete, Deduct	-0.83	
	For 5,000 PSI Concrete, Add	0.51	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.13	
	For <12' Wide Pass, Add	10.92	
	For 24' Or Greater Wide Pass, Deduct	-12.55	
	For Air Entrainment, Add	1.59	
	For Slipforming, Deduct	-6.27	
	For Up To 100, Add	24.94	
	For >100 To 250, Add	14.06	
	For >250 To 500, Add	7.03	
	For >1,000 To 2,000, Deduct	-1.59	
	For >2,000 To 5,000, Deduct	-3.16	
	For >5,000 To 10,000, Deduct	-4.73	
	For >10,000 To 20,000, Deduct	-6.29	
	For >20,000, Deduct	-7.86	
32 13 13 33-0006	SY 7" 4,500 PSI Concrete Paving Assembly .....	74.37	
	For 2,500 PSI Concrete, Deduct	-4.61	
	For 3,000 PSI Concrete, Deduct	-3.00	
	For 3,500 PSI Concrete, Deduct	-2.40	
	For 4,000 PSI Concrete, Deduct	-1.04	
	For 5,000 PSI Concrete, Add	0.64	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.21	
	For <12' Wide Pass, Add	12.59	
	For 24' Or Greater Wide Pass, Deduct	-14.87	
	For Air Entrainment, Add	2.00	
	For Slipforming, Deduct	-7.44	
	For Up To 100, Add	28.60	
	For >100 To 250, Add	16.30	
	For >250 To 500, Add	8.15	
	For >1,000 To 2,000, Deduct	-2.00	
	For >2,000 To 5,000, Deduct	-3.86	
	For >5,000 To 10,000, Deduct	-5.72	
	For >10,000 To 20,000, Deduct	-7.58	
	For >20,000, Deduct	-9.44	
32 13 13 33-0007	SY 8" 4,500 PSI Concrete Paving Assembly .....	85.14	
	For 2,500 PSI Concrete, Deduct	-5.06	
	For 3,000 PSI Concrete, Deduct	-3.30	
	For 3,500 PSI Concrete, Deduct	-2.64	
	For 4,000 PSI Concrete, Deduct	-1.14	
	For 5,000 PSI Concrete, Add	0.70	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.71	
	For <12' Wide Pass, Add	14.69	
	For 24' Or Greater Wide Pass, Deduct	-17.03	
	For Air Entrainment, Add	2.20	
	For Slipforming, Deduct	-8.51	
	For Up To 100, Add	33.50	
	For >100 To 250, Add	18.95	
	For >250 To 500, Add	9.47	
	For >1,000 To 2,000, Deduct	-2.20	
	For >2,000 To 5,000, Deduct	-4.33	
	For >5,000 To 10,000, Deduct	-6.46	
	For >10,000 To 20,000, Deduct	-8.58	
	For >20,000, Deduct	-10.71	
32 13 13 33-0008	SY 9" 4,500 PSI Concrete Paving Assembly .....	96.28	
	For 2,500 PSI Concrete, Deduct	-5.84	
	For 3,000 PSI Concrete, Deduct	-3.81	
	For 3,500 PSI Concrete, Deduct	-3.05	
	For 4,000 PSI Concrete, Deduct	-1.32	
	For 5,000 PSI Concrete, Add	0.81	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	6.60	
	For <12' Wide Pass, Add	16.45	
	For 24' Or Greater Wide Pass, Deduct	-19.26	
	For Air Entrainment, Add	2.54	
	For Slipforming, Deduct	-9.63	
	For Up To 100, Add	37.45	
	For >100 To 250, Add	21.26	
	For >250 To 500, Add	10.63	
	For >1,000 To 2,000, Deduct	-2.54	
	For >2,000 To 5,000, Deduct	-4.95	
	For >5,000 To 10,000, Deduct	-7.35	
	For >10,000 To 20,000, Deduct	-9.76	
	For >20,000, Deduct	-12.17	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0009	SY	10"	4,500 PSI Concrete Paving Assembly .....	107.36	
			<i>For 2,500 PSI Concrete, Deduct</i>	-6.43	
			<i>For 3,000 PSI Concrete, Deduct</i>	-4.19	
			<i>For 3,500 PSI Concrete, Deduct</i>	-3.35	
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.45	
			<i>For 5,000 PSI Concrete, Add</i>	0.89	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	7.26	
			<i>For &lt;12' Wide Pass, Add</i>	18.46	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-21.47	
			<i>For Air Entrainment, Add</i>	2.79	
			<i>For Slipforming, Deduct</i>	-10.74	
			<i>For Up To 100, Add</i>	42.06	
			<i>For &gt;100 To 250, Add</i>	23.83	
			<i>For &gt;250 To 500, Add</i>	11.91	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-2.79	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-5.48	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-8.16	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-10.85	
			<i>For &gt;20,000, Deduct</i>	-13.53	
32 13 13 33-0010	SY	12"	4,500 PSI Concrete Paving Assembly .....	127.95	
			<i>For 2,500 PSI Concrete, Deduct</i>	-7.61	
			<i>For 3,000 PSI Concrete, Deduct</i>	-4.96	
			<i>For 3,500 PSI Concrete, Deduct</i>	-3.97	
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.72	
			<i>For 5,000 PSI Concrete, Add</i>	1.06	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	8.60	
			<i>For &lt;12' Wide Pass, Add</i>	22.06	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-25.59	
			<i>For Air Entrainment, Add</i>	3.31	
			<i>For Slipforming, Deduct</i>	-12.80	
			<i>For Up To 100, Add</i>	50.30	
			<i>For &gt;100 To 250, Add</i>	28.46	
			<i>For &gt;250 To 500, Add</i>	14.23	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-3.31	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-6.51	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-9.71	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-12.90	
			<i>For &gt;20,000, Deduct</i>	-16.10	
32 13 13 33-0011	SY	15"	4,500 PSI Concrete Paving Assembly .....	163.23	
			<i>For 2,500 PSI Concrete, Deduct</i>	-9.34	
			<i>For 3,000 PSI Concrete, Deduct</i>	-6.09	
			<i>For 3,500 PSI Concrete, Deduct</i>	-4.88	
			<i>For 4,000 PSI Concrete, Deduct</i>	-2.11	
			<i>For 5,000 PSI Concrete, Add</i>	1.30	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	10.56	
			<i>For &lt;12' Wide Pass, Add</i>	28.62	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-32.65	
			<i>For Air Entrainment, Add</i>	4.06	
			<i>For Slipforming, Deduct</i>	-16.32	
			<i>For Up To 100, Add</i>	65.44	
			<i>For &gt;100 To 250, Add</i>	36.78	
			<i>For &gt;250 To 500, Add</i>	18.39	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-4.06	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-8.14	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-12.22	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-16.30	
			<i>For &gt;20,000, Deduct</i>	-20.39	
<b>32 13 16 Decorative Concrete Paving (32 13)</b>					
<b>32 13 16 13 Patterned Concrete Paving (32 13 16)</b>					
See CSI section 32 17 26 00-0000 for tactile warning surfaces.					
32 13 16 13-0001	SF		For Patterned (Tactile) Finish In Concrete Sidewalk .....	4.39	
<b>32 13 43 Pervious Concrete Paving (32 13)</b>					
<b>32 13 43 00-0001 Pervious Concrete Assembly (32 13 43)</b>					
Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.					
32 13 43 00-0002	SF	6"	Thick Pervious Concrete Paving .....	14.23	
Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.					
			<i>For &gt;5,000 To 30,000, Deduct</i>	-1.55	
			<i>For &gt;30,000 To 100,000, Deduct</i>	-2.87	
			<i>For &gt;100,000, Deduct</i>	-3.56	
32 13 43 00-0003	SF	9"	Thick Pervious Concrete Paving .....	17.89	
Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.					
			<i>For &gt;5,000 To 30,000, Deduct</i>	-1.90	
			<i>For &gt;30,000 To 100,000, Deduct</i>	-3.45	
			<i>For &gt;100,000, Deduct</i>	-4.29	
<b>32 13 73 Concrete Paving Joint Sealants (32 13)</b>					
<b>32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants (32 13 73)</b>					
<b>32 13 73 13-0001 Concrete Pavement Joint And Crack Repair (32 13 73 13)</b>					
Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.					
32 13 73 13-0002	LF		Pavement Sealing, Roads Resealing Joints In Concrete Pavements For Roads .....	7.49	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 13 Rigid Paving**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 13 73 16 Field-Molded Concrete Paving Joint Sealants (32 13 73)**

32 13 73 16-0001	Preformed Elastomeric Concrete Pavement Joint And Crack Repair (32 13 73 16)		
	Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 16-0002	LF Joint Sealing, Concrete Pavement Preformed Elastomeric.....	10.87	

**32 13 73 19 Compression Concrete Paving Joint Sealants (32 13 73)**

32 13 73 19-0001	Silicone Joint Sealant For Concrete Pavement (32 13 73 19)		
	Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.		
32 13 73 19-0002	LF 1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	9.21	2.19
32 13 73 19-0003	LF 3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	9.60	2.23
32 13 73 19-0004	LF 1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	10.04	2.28
32 13 73 19-0005	LF 3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	11.43	2.32
32 13 73 19-0006	LF 1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	13.08	2.38
32 13 73 19-0007	LF 1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	15.46	2.42
32 13 73 19-0008	LF 2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	19.36	2.47

**32 14 Unit Paving (32 10)****32 14 09 Paver Restraints (32 14)**

32 14 09 00-0001	Paver Restraints (32 14 09)		
	Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.		
32 14 09 00-0002	LF Up To 2" Height, Vinyl Paver Restraint .....	3.82	0.97
	For >1,000 To 2,000, Deduct	-0.50	
	For >2,000 To 4,000, Deduct	-0.73	
	For >4,000, Deduct	-0.93	
32 14 09 00-0003	LF Up To 2" Height, Galvanized Steel Paver Restraint .....	4.13	0.97
	For >500 To 1,000, Deduct	-0.13	
	For >1,000 To 2,000, Deduct	-0.26	
	For >2,000, Deduct	-0.39	
32 14 09 00-0004	LF Up To 1" Height, Aluminum Paver Restraint .....	3.98	0.97
	For >250 To 500, Deduct	-0.24	
	For >500 To 1,000, Deduct	-0.36	
	For >1,000 To 1,500, Deduct	-0.61	
32 14 09 00-0005	LF >1" To 2" Height, Aluminum Paver Restraint .....	4.66	0.97
	For >250 To 500, Deduct	-0.31	
	For >500 To 1,000, Deduct	-0.47	
	For >1,000 To 1,500, Deduct	-0.78	
32 14 09 00-0006	LF >2" To 3" Height, Aluminum Paver Restraint .....	5.96	0.97
	For >250 To 500, Deduct	-0.44	
	For >500 To 1,000, Deduct	-0.66	
	For >1,000 To 1,500, Deduct	-1.10	
32 14 09 00-0007	LF >3" To 4" Height, Aluminum Paver Restraint .....	6.97	0.97
	For >250 To 500, Deduct	-0.54	
	For >500 To 1,000, Deduct	-0.81	
	For >1,000 To 1,500, Deduct	-1.36	

**32 14 11 Bedding for Unit Paving (32 14)**

32 14 11 00-0001	Bedding For Brick, Precast Concrete Paver And Stone Sidewalk (32 14 11)		
	Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.		
32 14 11 00-0002	SF 1" To 2" Sand Bedding, Screeded.....	1.08	
	For Up To 100, Add	0.47	
	For >100 To 500, Add	0.13	
	For >1,000 To 5,000, Deduct	-0.08	
	For >5,000, Deduct	-0.13	
32 14 11 00-0003	SF 1" To 2" Stone Dust Bedding, Screeded .....	1.31	
	For Up To 100, Add	0.53	
	For >100 To 500, Add	0.15	
	For >1,000 To 5,000, Deduct	-0.08	
	For >5,000, Deduct	-0.14	
32 14 11 00-0004	SF 3" Stone Dust Bedding, Screeded.....	1.70	
	For Up To 100, Add	0.66	
	For >100 To 500, Add	0.18	
	For >1,000 To 5,000, Deduct	-0.09	
	For >5,000, Deduct	-0.16	
32 14 11 00-0005	SF 4" Stone Dust Bedding, Screeded.....	2.17	
	For Up To 100, Add	0.83	
	For >100 To 500, Add	0.22	
	For >1,000 To 5,000, Deduct	-0.12	
	For >5,000, Deduct	-0.20	
32 14 11 00-0006	SF 1" Mortar Bedding .....	3.10	
	For Up To 100, Add	1.43	
	For >100 To 500, Add	0.42	
	For >1,000 To 5,000, Deduct	-0.26	
	For >5,000, Deduct	-0.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 14 11 00-0007	SF		2" Mortar Bedding.....	4.47	
			<i>For Up To 100, Add</i>	1.99	
			<i>For &gt;100 To 500, Add</i>	0.57	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.35	
			<i>For &gt;5,000, Deduct</i>	-0.55	
32 14 11 00-0008	SF		Thin-Set Latex Portland Cement Mortar.....	1.69	
			<i>For Up To 100, Add</i>	0.77	
			<i>For &gt;100 To 500, Add</i>	0.22	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.14	
			<i>For &gt;5,000, Deduct</i>	-0.22	

**32 14 13 Precast Concrete Unit Paving (32 14)**

**32 14 13 16 Precast Concrete Unit Paving Slabs (32 14 13)**

**32 14 13 16-0001 Precast Concrete Paver Sidewalk (32 14 13 16)**

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 13 16-0002	SF		2-3/8" Thick, Up To 32 SI Precast Concrete Paver.....	10.57	3.24
			Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
			<i>For 2-3/4" Concrete Paver, Add</i>	0.94	
			<i>For 3-1/8" Concrete Paver, Add</i>	1.51	
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.85	
			<i>For Up To 100, Add</i>	4.27	
			<i>For &gt;100 To 500, Add</i>	1.18	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.65	
			<i>For &gt;5,000, Deduct</i>	-1.10	
32 14 13 16-0003	SF		2-3/8" Thick, >32 to 64 SI Precast Concrete Paver.....	9.98	2.95
			Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
			<i>For 2-3/4" Concrete Paver, Add</i>	0.91	
			<i>For 3-1/8" Concrete Paver, Add</i>	1.46	
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.79	
			<i>For Up To 100, Add</i>	3.97	
			<i>For &gt;100 To 500, Add</i>	1.09	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.59	
			<i>For &gt;5,000, Deduct</i>	-1.01	
32 14 13 16-0004	SF		2-3/8" Thick, >64 to 144 SI Precast Concrete Paver.....	9.43	2.35
			Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
			<i>For 2-3/4" Concrete Paver, Add</i>	0.88	
			<i>For 3-1/8" Concrete Paver, Add</i>	1.42	
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.74	
			<i>For Up To 100, Add</i>	3.70	
			<i>For &gt;100 To 500, Add</i>	1.01	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.54	
			<i>For &gt;5,000, Deduct</i>	-0.93	
32 14 13 16-0005	SF		2-3/8" Thick, >144 SI Precast Concrete Paver.....	8.95	2.44
			Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
			<i>For 2-3/4" Concrete Paver, Add</i>	0.85	
			<i>For 3-1/8" Concrete Paver, Add</i>	1.38	
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.69	
			<i>For Up To 100, Add</i>	3.46	
			<i>For &gt;100 To 500, Add</i>	0.94	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.49	
			<i>For &gt;5,000, Deduct</i>	-0.85	
32 14 13 16-0006	SF		2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns.....	9.70	2.81
			Note: Patterns made by combining pavers from two or more size groups.		
			<i>For 2-3/4" Concrete Paver, Add</i>	0.89	
			<i>For 3-1/8" Concrete Paver, Add</i>	1.44	
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.77	
			<i>For Up To 100, Add</i>	3.83	
			<i>For &gt;100 To 500, Add</i>	1.05	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.56	
			<i>For &gt;5,000, Deduct</i>	-0.97	

**32 14 13 19 Porous Precast Concrete Unit Paving (32 14 13)**

**32 14 13 19-0001 Turf Block (32 14 13 19)**

Note: Grass grid, open-cell unit paver, geoblock.

32 14 13 19-0002	SF		3-1/8" Thick, Precast Concrete Turf Block.....	10.23	2.81
			<i>For Up To 100, Add</i>	3.97	
			<i>For &gt;100 To 500, Add</i>	1.07	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.56	
			<i>For &gt;5,000, Deduct</i>	-0.98	

**32 14 16 Brick Unit Paving (32 14)**

**32 14 16 00-0001 Brick Paver Sidewalk (32 14 16)**

Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 16 00-0002	SF		4" x 8" x 2-1/4" Brick Paver, Laid Flat.....	12.54	3.24
			<i>For 1-3/8" Thick Paver, Deduct</i>	-2.44	
			<i>For 2-3/4" Thick Paver (Vehicular), Add</i>	5.48	
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.95	
			<i>For Up To 100, Add</i>	4.76	
			<i>For &gt;100 To 500, Add</i>	1.28	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.65	
			<i>For &gt;5,000, Deduct</i>	-1.16	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 14 Unit Paving**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 16 00-0003	SF		4" x 8" x 2-1/4" Brick, Laid On Edge.....	18.13	3.70
			<i>For 1-3/8" Thick Paver, Deduct</i>	-4.13	
			<i>For 2-3/4" Thick Paver (Vehicular), Add</i>	9.53	
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.28	
			<i>For Up To 100, Add</i>	6.38	
			<i>For &gt;100 To 500, Add</i>	1.65	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.74	
			<i>For &gt;5,000, Deduct</i>	-1.43	
<b>32 14 33</b>			<b>Plastic Paving (32 14)</b>		
<b>32 14 33 13</b>			<b>Permeable Plastic Paving (32 14 33)</b>		
<b>32 14 33 13-0001</b>			<b>Turf Block Plastic Paving (32 14 33 13)</b>		
32 14 33 13-0002	SF		4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block.....	14.75	2.81
			<i>For Up To 100, Add</i>	5.10	
			<i>For &gt;100 To 500, Add</i>	1.30	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.56	
			<i>For &gt;5,000, Deduct</i>	-1.12	
<b>32 14 40</b>			<b>Stone Paving (32 14)</b>		
<b>32 14 40 00-0001</b>			<b>Slate Paver Sidewalk (32 14 40)</b>		
			Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0002	SF		1" Thick, Up to 54 SI Slate Paver.....	16.15	2.69
			Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.08	
			<i>For 1/4" Thick Paver, Deduct</i>	-8.25	
			<i>For 1/2" Thick Paver, Deduct</i>	-5.77	
			<i>For Up To 100, Add</i>	5.38	
			<i>For &gt;100 To 500, Add</i>	1.34	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.54	
			<i>For &gt;5,000, Deduct</i>	-1.13	
32 14 40 00-0003	SF		1" Thick, >54 to 108 SI Slate Paver.....	15.67	2.44
			Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.03	
			<i>For 1/4" Thick Paver, Deduct</i>	-8.13	
			<i>For 1/2" Thick Paver, Deduct</i>	-5.70	
			<i>For Up To 100, Add</i>	5.14	
			<i>For &gt;100 To 500, Add</i>	1.27	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.49	
			<i>For &gt;5,000, Deduct</i>	-1.06	
32 14 40 00-0004	SF		1" Thick, >108 to 216 SI Slate Paver.....	14.82	2.02
			Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.94	
			<i>For 1/4" Thick Paver, Deduct</i>	-7.91	
			<i>For 1/2" Thick Paver, Deduct</i>	-5.57	
			<i>For Up To 100, Add</i>	4.71	
			<i>For &gt;100 To 500, Add</i>	1.14	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.40	
			<i>For &gt;5,000, Deduct</i>	-0.93	
32 14 40 00-0005	SF		1" Thick, >216 SI Slate Paver.....	14.46	1.83
			Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.91	
			<i>For 1/4" Thick Paver, Deduct</i>	-7.82	
			<i>For 1/2" Thick Paver, Deduct</i>	-5.51	
			<i>For Up To 100, Add</i>	4.53	
			<i>For &gt;100 To 500, Add</i>	1.09	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.37	
			<i>For &gt;5,000, Deduct</i>	-0.87	
32 14 40 00-0006	SF		1" Thick, Slate Paver, Combinations And Patterns.....	15.21	2.21
			Note: Patterns made by combining pavers from two or more size groups.		
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.98	
			<i>For 1/4" Thick Paver, Deduct</i>	-8.01	
			<i>For 1/2" Thick Paver, Deduct</i>	-5.63	
			<i>For Up To 100, Add</i>	4.91	
			<i>For &gt;100 To 500, Add</i>	1.20	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.44	
			<i>For &gt;5,000, Deduct</i>	-0.99	
<b>32 14 40 00-0007</b>			<b>Granite Paver Sidewalk (32 14 40)</b>		
			Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0008	SF		1" Thick, Up to 54 SI Granite Paver.....	23.11	2.69
			Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.42	
			<i>For 2" Granite Paver, Add</i>	1.16	
			<i>For 3" Granite Paver, Add</i>	2.31	
			<i>For 4" Granite Paver, Add</i>	2.58	
			<i>For Up To 100, Add</i>	7.12	
			<i>For &gt;100 To 500, Add</i>	1.69	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.54	
			<i>For &gt;5,000, Deduct</i>	-1.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0009	SF		1" Thick, >54 to 108 SI Granite Paver..... Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	22.63 1.38 1.13 2.26 2.51 6.88 1.62 -0.49 -1.26	2.44
32 14 40 00-0010	SF		1" Thick, >108 to 216 SI Granite Paver..... Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	21.78 1.29 1.09 2.18 2.38 6.45 1.49 -0.40 -1.14	2.02
32 14 40 00-0011	SF		1" Thick, >216 SI Granite Paver..... Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	21.42 1.25 1.07 2.14 2.33 6.27 1.44 -0.37 -1.08	1.83
32 14 40 00-0012	SF		1" Thick, Granite Paver, Combinations And Patterns..... Note: Patterns made by combining pavers from two or more size groups. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	22.17 1.33 1.11 2.22 2.44 6.65 1.55 -0.44 -1.20	2.21

32 15 Aggregate Surfacing (32 10)

32 15 40 Crushed Stone Surfacing (32 15)

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 15 40 00-0001			Gravel Surfacing And Spreading (32 15 40) Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0002	CY		Gravel Surfacing And Spreading.....	79.31	
32 15 40 00-0003			Limestone Screenings (32 15 40) Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.		
32 15 40 00-0004	CY		Limestone Screenings For Trail.....	48.38	
32 15 40 00-0005			Decomposed Granite (32 15 40) Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0006	SY		3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway..... Note: Placed in 2 lifts. For Additional 2" For >45 To 180, Deduct For >180 To 450, Deduct For >450, Deduct	14.66 7.33 -1.02 -1.30 -1.59	

32 16 Curbs, Gutters, Sidewalks, and Driveways (32 10)

32 16 13 Curbs and Gutters (32 16)

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0001 for additional saw cuts within the 100'.

32 16 13 13 Cast-In-Place Concrete Curbs and Gutters (32 16 13)

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001			Cast In Place Concrete Curbs (32 16 13 13) Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0002	LF		6" x 12" Cast In Place Concrete Curb (Type A1-6)..... For Mountable Curb, Add For Up To 20, Add For >20 To 50, Add For >50 To 100, Add For >500 To 1,000, Deduct For >1,000, Deduct	18.04 1.37 11.24 6.38 2.43 -2.43 -4.09	9.54

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0003	LF		6" x 12" Cast In Place Concrete Curb - Radius (Type A1-6).....	20.71	10.98
			<i>For Mountable Curb, Add</i>	1.60	
			<i>For Up To 20, Add</i>	12.97	
			<i>For &gt;20 To 50, Add</i>	7.37	
			<i>For &gt;50 To 100, Add</i>	2.80	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.80	
			<i>For &gt;1,000, Deduct</i>	-4.72	
32 16 13 13-0004	LF		6" x 14" Cast In Place Concrete Curb (Type A1-8) .....	19.82	9.54
			<i>For Mountable Curb, Add</i>	1.50	
			<i>For Up To 20, Add</i>	12.31	
			<i>For &gt;20 To 50, Add</i>	6.99	
			<i>For &gt;50 To 100, Add</i>	2.66	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.66	
			<i>For &gt;1,000, Deduct</i>	-4.49	
32 16 13 13-0005	LF		6" x 14" Cast In Place Concrete Curb - Radius (Type A1-8) .....	22.76	10.98
			<i>For Mountable Curb, Add</i>	1.74	
			<i>For Up To 20, Add</i>	14.21	
			<i>For &gt;20 To 50, Add</i>	8.07	
			<i>For &gt;50 To 100, Add</i>	3.07	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.07	
			<i>For &gt;1,000, Deduct</i>	-5.17	
32 16 13 13-0006	LF		6" x 16" Cast In Place Concrete Curb .....	21.79	9.54
			<i>For Mountable Curb, Add</i>	1.61	
			<i>For Up To 20, Add</i>	13.42	
			<i>For &gt;20 To 50, Add</i>	7.62	
			<i>For &gt;50 To 100, Add</i>	2.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.90	
			<i>For &gt;1,000, Deduct</i>	-4.90	
32 16 13 13-0007	LF		6" x 16" Cast In Place Concrete Curb - Radius .....	24.93	14.31
			<i>For Mountable Curb, Add</i>	1.88	
			<i>For Up To 20, Add</i>	15.48	
			<i>For &gt;20 To 50, Add</i>	8.79	
			<i>For &gt;50 To 100, Add</i>	3.35	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.35	
			<i>For &gt;1,000, Deduct</i>	-5.64	
32 16 13 13-0008	LF		6" x 18" Cast In Place Concrete Curb .....	23.35	9.54
			<i>For Mountable Curb, Add</i>	1.71	
			<i>For Up To 20, Add</i>	14.32	
			<i>For &gt;20 To 50, Add</i>	8.12	
			<i>For &gt;50 To 100, Add</i>	3.10	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.10	
			<i>For &gt;1,000, Deduct</i>	-5.23	
32 16 13 13-0009	LF		6" x 18" Cast In Place Concrete Curb - Radius .....	26.41	10.98
			<i>For Mountable Curb, Add</i>	1.95	
			<i>For Up To 20, Add</i>	16.26	
			<i>For &gt;20 To 50, Add</i>	9.23	
			<i>For &gt;50 To 100, Add</i>	3.52	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.52	
			<i>For &gt;1,000, Deduct</i>	-5.93	
32 16 13 13-0010	LF		6" x 24" Cast In Place Concrete Curb .....	26.69	10.50
			<i>For Mountable Curb, Add</i>	1.82	
			<i>For Up To 20, Add</i>	15.94	
			<i>For &gt;20 To 50, Add</i>	9.03	
			<i>For &gt;50 To 100, Add</i>	3.46	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.46	
			<i>For &gt;1,000, Deduct</i>	-5.85	
32 16 13 13-0011	LF		6" x 24" Cast In Place Concrete Curb - Radius .....	29.89	11.92
			<i>For Mountable Curb, Add</i>	2.05	
			<i>For Up To 20, Add</i>	17.91	
			<i>For &gt;20 To 50, Add</i>	10.15	
			<i>For &gt;50 To 100, Add</i>	3.88	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.88	
			<i>For &gt;1,000, Deduct</i>	-6.57	
32 16 13 13-0012	LF		12" x 24" Cast In Place Concrete Curb .....	34.17	11.92
			<i>For Mountable Curb, Add</i>	1.82	
			<i>For Up To 20, Add</i>	18.76	
			<i>For &gt;20 To 50, Add</i>	10.58	
			<i>For &gt;50 To 100, Add</i>	4.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.09	
			<i>For &gt;1,000, Deduct</i>	-7.00	
32 16 13 13-0013	LF		12" x 24" Cast In Place Concrete Curb - Radius .....	38.06	13.36
			<i>For Mountable Curb, Add</i>	2.05	
			<i>For Up To 20, Add</i>	20.97	
			<i>For &gt;20 To 50, Add</i>	11.82	
			<i>For &gt;50 To 100, Add</i>	4.58	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.58	
			<i>For &gt;1,000, Deduct</i>	-7.81	
32 16 13 13-0014	EA		Additional Finish For Handicap Drop Section In Curb .....	71.56	
32 16 13 13-0015			<b>Cast In Place Concrete Curb And Gutter</b> <small>(32 16 13 13)</small>		
			Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.		
32 16 13 13-0016	LF		6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight .....	24.64	11.56
			<i>For Up To 20, Add</i>	16.81	
			<i>For &gt;20 To 50, Add</i>	9.42	
			<i>For &gt;50 To 100, Add</i>	3.70	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.26	
			<i>For &gt;1,000, Deduct</i>	-5.50	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	1.78	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0017 LF 6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius .....	26.88	15.42
For Up To 20, Add	18.34	
For >20 To 50, Add	10.28	
For >50 To 100, Add	4.03	
For >500 To 1,000, Deduct	-3.56	
For >1,000, Deduct	-6.01	
For Mountable Or Rolled Curb And Gutter, Add	1.96	
32 16 13 13-0018 LF 6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight .....	31.26	12.81
For Up To 20, Add	21.31	
For >20 To 50, Add	11.93	
For >50 To 100, Add	4.69	
For >500 To 1,000, Deduct	-4.12	
For >1,000, Deduct	-6.96	
For Mountable Or Rolled Curb And Gutter, Add	2.24	
32 16 13 13-0019 LF 6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius .....	34.57	14.26
For Up To 20, Add	23.58	
For >20 To 50, Add	13.21	
For >50 To 100, Add	5.19	
For >500 To 1,000, Deduct	-4.57	
For >1,000, Deduct	-7.72	
For Mountable Or Rolled Curb And Gutter, Add	2.50	
32 16 13 13-0020 LF 6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight (Type A3-6) .....	37.88	15.42
For Up To 20, Add	25.81	
For >20 To 50, Add	14.45	
For >50 To 100, Add	5.68	
For >500 To 1,000, Deduct	-4.98	
For >1,000, Deduct	-8.41	
For Mountable Or Rolled Curb And Gutter, Add	2.69	
32 16 13 13-0021 LF 6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius (Type A3-6) .....	42.26	17.34
For Up To 20, Add	28.82	
For >20 To 50, Add	16.15	
For >50 To 100, Add	6.34	
For >500 To 1,000, Deduct	-5.58	
For >1,000, Deduct	-9.43	
For Mountable Or Rolled Curb And Gutter, Add	3.05	
32 16 13 13-0022 LF 6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight .....	44.99	18.30
For Up To 20, Add	30.66	
For >20 To 50, Add	17.16	
For >50 To 100, Add	6.75	
For >500 To 1,000, Deduct	-5.91	
For >1,000, Deduct	-9.99	
For Mountable Or Rolled Curb And Gutter, Add	3.20	
32 16 13 13-0023 LF 6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius .....	49.48	20.23
For Up To 20, Add	33.73	
For >20 To 50, Add	18.89	
For >50 To 100, Add	7.42	
For >500 To 1,000, Deduct	-6.52	
For >1,000, Deduct	-11.02	
For Mountable Or Rolled Curb And Gutter, Add	3.55	
32 16 13 13-0024 LF 6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight .....	52.10	21.19
For Up To 20, Add	35.50	
For >20 To 50, Add	19.87	
For >50 To 100, Add	7.82	
For >500 To 1,000, Deduct	-6.84	
For >1,000, Deduct	-11.57	
For Mountable Or Rolled Curb And Gutter, Add	3.70	
32 16 13 13-0025 LF 6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius .....	56.70	23.12
For Up To 20, Add	38.65	
For >20 To 50, Add	21.64	
For >50 To 100, Add	8.51	
For >500 To 1,000, Deduct	-7.46	
For >1,000, Deduct	-12.61	
For Mountable Or Rolled Curb And Gutter, Add	4.05	
32 16 13 13-0026 LF 6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight .....	59.20	24.08
For Up To 20, Add	40.34	
For >20 To 50, Add	22.58	
For >50 To 100, Add	8.88	
For >500 To 1,000, Deduct	-7.78	
For >1,000, Deduct	-13.14	
For Mountable Or Rolled Curb And Gutter, Add	4.21	
32 16 13 13-0027 LF 6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius .....	65.83	26.97
For Up To 20, Add	44.89	
For >20 To 50, Add	25.14	
For >50 To 100, Add	9.87	
For >500 To 1,000, Deduct	-8.69	
For >1,000, Deduct	-14.68	
For Mountable Or Rolled Curb And Gutter, Add	4.74	

**32 16 13 14 Machine Formed, Slip Form Curbs (32 16 13)**

Note: Includes delivered concrete, steel, expansion joints and finish.

**32 16 13 14-0001 Curbs, Machine Formed, Slip Form (32 16 13 14)**

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0002 EA Machine Formed Concrete Curb Minimum Set-Up Charge (One Time Per Job) .....	1,357.18	
Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.		
32 16 13 14-0003 LF 6" x 12" Straight Concrete Curb, Machine Formed .....	10.32	
32 16 13 14-0004 LF 6" x 12" Curved Concrete Curb, Machine Formed .....	14.34	
32 16 13 14-0005 LF 6" x 18" Straight Concrete Curb, Machine Formed .....	13.59	
32 16 13 14-0006 LF 6" x 18" Curved Concrete Curb, Machine Formed .....	18.42	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 16 13 19****Cast-In-Place Concrete Drainage Ditches** (32 16 13)

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

**32 16 13 19-0001****Valley Gutter, Cast In Place** (32 16 13 19)

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 19-0002	LF	2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	18.93
		<i>For Up To 20, Add</i>	9.06
		<i>For &gt;20 To 50, Add</i>	5.06
		<i>For &gt;50 To 100, Add</i>	2.00
		<i>For &gt;500 To 1,000, Deduct</i>	-2.00
		<i>For &gt;1,000, Deduct</i>	-3.47
32 16 13 19-0003	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	23.18
		<i>For Up To 20, Add</i>	10.98
		<i>For &gt;20 To 50, Add</i>	6.13
		<i>For &gt;50 To 100, Add</i>	2.43
		<i>For &gt;500 To 1,000, Deduct</i>	-2.43
		<i>For &gt;1,000, Deduct</i>	-4.22
32 16 13 19-0004	LF	3' Wide Cast In Place Concrete Valley Gutter, 6" Thick	27.38
		<i>For Up To 20, Add</i>	12.87
		<i>For &gt;20 To 50, Add</i>	7.18
		<i>For &gt;50 To 100, Add</i>	2.85
		<i>For &gt;500 To 1,000, Deduct</i>	-2.85
		<i>For &gt;1,000, Deduct</i>	-4.96
32 16 13 19-0005	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	31.56
		<i>For Up To 20, Add</i>	14.75
		<i>For &gt;20 To 50, Add</i>	8.22
		<i>For &gt;50 To 100, Add</i>	3.27
		<i>For &gt;500 To 1,000, Deduct</i>	-3.27
		<i>For &gt;1,000, Deduct</i>	-5.69
32 16 13 19-0006	LF	4' Wide Cast In Place Concrete Valley Gutter, 6" Thick	35.75
		<i>For Up To 20, Add</i>	16.63
		<i>For &gt;20 To 50, Add</i>	9.26
		<i>For &gt;50 To 100, Add</i>	3.68
		<i>For &gt;500 To 1,000, Deduct</i>	-3.68
		<i>For &gt;1,000, Deduct</i>	-6.42
32 16 13 19-0007	LF	5' Wide Cast In Place Concrete Valley Gutter, 6" Thick	42.31
		<i>For Up To 20, Add</i>	19.12
		<i>For &gt;20 To 50, Add</i>	10.63
		<i>For &gt;50 To 100, Add</i>	4.25
		<i>For &gt;500 To 1,000, Deduct</i>	-4.25
		<i>For &gt;1,000, Deduct</i>	-7.43
32 16 13 19-0008	LF	6' Wide Cast In Place Concrete Valley Gutter, 6" Thick	48.60
		<i>For Up To 20, Add</i>	21.43
		<i>For &gt;20 To 50, Add</i>	11.89
		<i>For &gt;50 To 100, Add</i>	4.77
		<i>For &gt;500 To 1,000, Deduct</i>	-4.77
		<i>For &gt;1,000, Deduct</i>	-8.37
32 16 13 19-0009	SF	>6' Wide Cast In Place Concrete Valley Gutter, 6" Thick	8.10
		<i>For Up To 100, Add</i>	3.57
		<i>For &gt;100 To 250, Add</i>	1.98
		<i>For &gt;250 To 500, Add</i>	0.80
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.80
		<i>For &gt;5,000, Deduct</i>	-1.40
32 16 13 19-0010	LF	2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	20.76
		<i>For Up To 20, Add</i>	9.70
		<i>For &gt;20 To 50, Add</i>	5.41
		<i>For &gt;50 To 100, Add</i>	2.15
		<i>For &gt;500 To 1,000, Deduct</i>	-2.15
		<i>For &gt;1,000, Deduct</i>	-3.74
32 16 13 19-0011	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	25.61
		<i>For Up To 20, Add</i>	11.89
		<i>For &gt;20 To 50, Add</i>	6.62
		<i>For &gt;50 To 100, Add</i>	2.63
		<i>For &gt;500 To 1,000, Deduct</i>	-2.63
		<i>For &gt;1,000, Deduct</i>	-4.59
32 16 13 19-0012	LF	3' Wide Cast In Place Concrete Valley Gutter, 7" Thick	30.09
		<i>For Up To 20, Add</i>	13.82
		<i>For &gt;20 To 50, Add</i>	7.69
		<i>For &gt;50 To 100, Add</i>	3.06
		<i>For &gt;500 To 1,000, Deduct</i>	-3.06
		<i>For &gt;1,000, Deduct</i>	-5.35
32 16 13 19-0013	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	34.71
		<i>For Up To 20, Add</i>	15.85
		<i>For &gt;20 To 50, Add</i>	8.81
		<i>For &gt;50 To 100, Add</i>	3.52
		<i>For &gt;500 To 1,000, Deduct</i>	-3.52
		<i>For &gt;1,000, Deduct</i>	-6.14
32 16 13 19-0014	LF	4' Wide Cast In Place Concrete Valley Gutter, 7" Thick	39.33
		<i>For Up To 20, Add</i>	17.87
		<i>For &gt;20 To 50, Add</i>	9.94
		<i>For &gt;50 To 100, Add</i>	3.97
		<i>For &gt;500 To 1,000, Deduct</i>	-3.97
		<i>For &gt;1,000, Deduct</i>	-6.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0015 LF 5' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	46.66	
For Up To 20, Add	20.59	
For >20 To 50, Add	11.42	
For >50 To 100, Add	4.58	
For >500 To 1,000, Deduct	-4.58	
For >1,000, Deduct	-8.04	
32 16 13 19-0016 LF 6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	53.70	
For Up To 20, Add	23.10	
For >20 To 50, Add	12.79	
For >50 To 100, Add	5.16	
For >500 To 1,000, Deduct	-5.16	
For >1,000, Deduct	-9.08	
32 16 13 19-0017 SF >6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	8.95	
For Up To 100, Add	3.85	
For >100 To 250, Add	2.13	
For >250 To 500, Add	0.86	
For >2,500 To 5,000, Deduct	-0.86	
For >5,000, Deduct	-1.51	
32 16 13 19-0018 LF 2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	20.96	
For Up To 20, Add	10.03	
For >20 To 50, Add	5.60	
For >50 To 100, Add	2.22	
For >500 To 1,000, Deduct	-2.22	
For >1,000, Deduct	-3.85	
32 16 13 19-0019 LF 2-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	25.69	
For Up To 20, Add	12.18	
For >20 To 50, Add	6.80	
For >50 To 100, Add	2.69	
For >500 To 1,000, Deduct	-2.69	
For >1,000, Deduct	-4.68	
32 16 13 19-0020 LF 3' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	30.32	
For Up To 20, Add	14.27	
For >20 To 50, Add	7.96	
For >50 To 100, Add	3.16	
For >500 To 1,000, Deduct	-3.16	
For >1,000, Deduct	-5.49	
32 16 13 19-0021 LF 3-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	34.97	
For Up To 20, Add	16.36	
For >20 To 50, Add	9.12	
For >50 To 100, Add	3.62	
For >500 To 1,000, Deduct	-3.62	
For >1,000, Deduct	-6.31	
32 16 13 19-0022 LF 4' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	39.62	
For Up To 20, Add	18.46	
For >20 To 50, Add	10.28	
For >50 To 100, Add	4.09	
For >500 To 1,000, Deduct	-4.09	
For >1,000, Deduct	-7.12	
32 16 13 19-0023 LF 5' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	46.89	
32 16 13 19-0024 LF 6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	53.85	
32 16 13 19-0025 SF >6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	8.98	
For Up To 100, Add	3.97	
For >100 To 250, Add	2.20	
For >250 To 500, Add	0.88	
For >2,500 To 5,000, Deduct	-0.88	
For >5,000, Deduct	-1.55	

**32 16 13 23 Precast Concrete Curbs and Gutters (32 16 13)**

32 16 13 23-0001 Precast Concrete Curb (32 16 13 23)		
32 16 13 23-0002 LF 6" x 18" Precast Concrete Curb .....	35.60	8.88
32 16 13 23-0003 LF 6" x 18" Precast Concrete Curb, Radius .....	42.34	10.20
32 16 13 23-0004 LF 6" x 20" Precast Concrete Curb .....	37.64	8.88
32 16 13 23-0005 LF 6" x 20" Precast Concrete Curb, Radius .....	45.04	10.20
32 16 13 23-0006 LF 7" x 18" Precast Concrete Curb .....	38.57	8.88
32 16 13 23-0007 LF 7" x 18" Precast Concrete Curb, Radius .....	46.11	10.20
32 16 13 23-0008 LF 7" x 20" Precast Concrete Curb .....	40.89	8.88
32 16 13 23-0009 LF 7" x 20" Precast Concrete Curb, Radius .....	49.05	10.20

**32 16 13 33 Asphalt Curbs (32 16 13)**

32 16 13 33-0001 Asphalt Curbs (32 16 13 33)		
32 16 13 33-0002 LF 6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain .....	11.44	4.88
32 16 13 33-0003 LF 8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain .....	12.84	5.43
32 16 13 33-0004 LF 8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain .....	14.15	5.96

**32 16 13 43 Stone Curbs (32 16 13)**

32 16 13 43-0001 Remove And Reset Stone And Precast Curbing (32 16 13 43)		
Note: Includes storage and cleaning.		
32 16 13 43-0002 LF Removal And Resetting Of Stone Or Precast Curbing.....	34.98	
Note: Includes storage and cleaning.		

**32 16 23 Sidewalks (32 16)**

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0001			<b>Cast In Place Concrete Sidewalk</b> <sup>(32 16 23)</sup> Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 03 31 13 00-0081 for buggies, 03 31 13 00-0088 for small quantity purchases, 03 37 16 00-0001 for pumping with boom truck, 32 11 23 16-0001 for base course.		
32 16 23 00-0002	SF		4" Cast In Place Concrete Sidewalk.....	8.50	
			For Up To 100, Add	3.67	
			For >100 To 500, Add	1.04	
			For >1,000 To 5,000, Deduct	-0.62	
			For >5,000, Deduct	-1.35	
			For Welded Wire Reinforcement, Add	0.74	
32 16 23 00-0003	SF		5" Cast In Place Concrete Sidewalk.....	9.16	
			For Up To 100, Add	3.89	
			For >100 To 500, Add	1.10	
			For >1,000 To 5,000, Deduct	-0.64	
			For >5,000, Deduct	-1.42	
			For Welded Wire Reinforcement, Add	0.74	
32 16 23 00-0004	SF		6" Cast In Place Concrete Sidewalk.....	9.85	
			For Up To 100, Add	4.12	
			For >100 To 500, Add	1.15	
			For >1,000 To 5,000, Deduct	-0.66	
			For >5,000, Deduct	-1.49	
			For Welded Wire Reinforcement, Add	0.74	
32 16 23 00-0005	SF		7" Cast In Place Concrete Sidewalk.....	11.57	
			For Up To 100, Add	4.77	
			For >100 To 500, Add	1.33	
			For >1,000 To 5,000, Deduct	-0.75	
			For >5,000, Deduct	-1.71	
			For Welded Wire Reinforcement, Add	0.74	
32 16 23 00-0006	SF		8" Cast In Place Concrete Sidewalk.....	12.15	
			For Up To 100, Add	4.95	
			For >100 To 500, Add	1.37	
			For >1,000 To 5,000, Deduct	-0.76	
			For >5,000, Deduct	-1.75	
			For Welded Wire Reinforcement, Add	0.74	
32 16 23 00-0007	SF		For Exposed Aggregate Finish In Sidewalk.....	2.20	
32 16 23 00-0008	EA		Finish Concrete Handicap Drop Section In Sidewalk.....	131.90	
			Note: Excludes patterned (tactile) finish.		
32 16 23 00-0009			<b>Bituminous Sidewalk</b> <sup>(32 16 23)</sup> Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 32 11 23 16-0001 for base course.		
32 16 23 00-0010	SY		1" Bituminous Sidewalk.....	7.50	
			For Up To 100, Add	2.90	
			For >100 To 500, Add	0.79	
			For >1,000 To 5,000, Deduct	-0.41	
			For >5,000, Deduct	-0.79	
32 16 23 00-0011	SY		1-1/2" Bituminous Sidewalk.....	9.37	
			For Up To 100, Add	3.57	
			For >100 To 500, Add	0.96	
			For >1,000 To 5,000, Deduct	-0.49	
			For >5,000, Deduct	-0.96	
32 16 23 00-0012	SY		2" Bituminous Sidewalk.....	12.89	
			For Up To 100, Add	4.75	
			For >100 To 500, Add	1.25	
			For >1,000 To 5,000, Deduct	-0.61	
			For >5,000, Deduct	-1.25	
32 16 23 00-0013	SY		2-1/2" Bituminous Sidewalk.....	16.09	
			For Up To 100, Add	5.91	
			For >100 To 500, Add	1.56	
			For >1,000 To 5,000, Deduct	-0.76	
			For >5,000, Deduct	-1.56	
32 16 23 00-0014	SY		3" Bituminous Sidewalk.....	18.43	
			For Up To 100, Add	6.66	
			For >100 To 500, Add	1.74	
			For >1,000 To 5,000, Deduct	-0.82	
			For >5,000, Deduct	-1.74	
32 16 23 00-0015	SY		3-1/2" Bituminous Sidewalk.....	21.22	
			For Up To 100, Add	7.56	
			For >100 To 500, Add	1.96	
			For >1,000 To 5,000, Deduct	-0.90	
			For >5,000, Deduct	-1.96	
32 16 43			<b>Asphalt Dike</b> <sup>(32 16)</sup>		
32 16 43 00-0001			<b>Asphalt Dike</b> <sup>(32 16 43)</sup>		
32 16 43 00-0002	LF		Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height.....	5.79	
32 16 43 00-0003	LF		Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height.....	7.87	
32 16 43 00-0004	LF		Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height.....	7.87	
32 16 43 00-0005	LF		Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height.....	11.16	
32 16 43 00-0006	LF		Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height.....	13.19	
32 16 43 00-0007	LF		Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	3.20	
32 16 43 00-0008	LF		Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back.....	8.13	
32 16 43 00-0009	LF		Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back.....	12.56	
32 16 43 00-0010	LF		CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height.....	5.79	
32 16 43 00-0011	LF		CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	3.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 16 43 00-0012	LF	CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back .....		12.56	
32 16 43 00-0013	LF	CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back.....		8.13	
32 16 43 00-0014	LF	CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height .....		4.66	

**32 17 Paving Specialties** (32 10)

**32 17 13 Parking Bumpers** (32 17)

Note: Includes dowels set.

**32 17 13 16 Plastic Parking Bumpers** (32 17 13)

32 17 13 16-0001	EA	4" x 6" x 4' Recycled Plastic Wheel Stop .....		89.79	6.27
32 17 13 16-0002	EA	4" x 6" x 6' Recycled Plastic Wheel Stop .....		100.94	6.27

**32 17 13 19 Precast Concrete Parking Bumpers** (32 17 13)

32 17 13 19-0001	EA	6" x 8" x 4' Precast Concrete Wheel Stop With Dowels .....		38.83	18.88
32 17 13 19-0002	EA	6" x 6" x 6' Precast Concrete Wheel Stop With Dowels .....		44.64	18.88
32 17 13 19-0003	EA	6" x 8" x 6' Precast Concrete Wheel Stop With Dowels .....		45.39	18.88
32 17 13 19-0004	EA	6" x 10" x 6' Precast Concrete Wheel Stop With Dowels .....		46.94	18.88
32 17 13 19-0005	EA	8" x 4-1/2" x 6' Precast Concrete Wheel Stop With Dowels .....		44.64	18.88
32 17 13 19-0006	EA	8" x 13" x 6' Precast Concrete Wheel Stop With Dowels .....		53.15	18.88
32 17 13 19-0007	EA	Removal And Relocation Of Precast Concrete Wheel Stop.....		30.22	
32 17 13 19-0008	EA	Removal And Relocation Of Plastic Or Wood Wheel Stop.....		19.65	

**32 17 13 23 Rubber Parking Bumpers** (32 17 13)

32 17 13 23-0001	EA	3' Recycled Rubber Wheel Stop .....		26.69	6.27
32 17 13 23-0002	EA	4' Recycled Rubber Wheel Stop .....		31.07	6.27
32 17 13 23-0003	EA	5' Recycled Rubber Wheel Stop .....		32.83	6.27
32 17 13 23-0004	EA	6' Recycled Rubber Wheel Stop .....		35.46	6.27

**32 17 13 26 Wood Parking Bumpers** (32 17 13)

32 17 13 26-0001	LF	4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated .....		13.02	1.51
32 17 13 26-0002	LF	6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated.....		19.58	1.51

**32 17 16 Manufactured Traffic-Calming Devices** (32 17)

**32 17 16 00-0001 Modular Rubber Speed Tables** (32 17 16)

Note: 3" high flat topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.

32 17 16 00-0002	SF	Up To 24' Road Width x 7' Run Modular Rubber Speed Table .....		52.07	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.			
32 17 16 00-0003	SF	Up To 24' Road Width x 14' Run Modular Rubber Speed Table .....		45.47	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.			
32 17 16 00-0004	SF	Up To 24' Road Width x 21' Run Modular Rubber Speed Table .....		42.59	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.			
32 17 16 00-0005	SF	>24' To 30' Road Width x 7' Run Modular Rubber Speed Table .....		49.80	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.			
32 17 16 00-0006	SF	>24' To 30' Road Width x 14' Run Modular Rubber Speed Table.....		43.71	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.			
32 17 16 00-0007	SF	>24' To 30' Road Width x 21' Run Modular Rubber Speed Table.....		41.14	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.			
32 17 16 00-0008	SF	>30' To 40' Road Width x 7' Run Modular Rubber Speed Table.....		47.50	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.			
32 17 16 00-0009	SF	>30' To 40' Road Width x 14' Run Modular Rubber Speed Table.....		42.33	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.			
32 17 16 00-0010	SF	>30' To 40' Road Width x 21' Run Modular Rubber Speed Table.....		39.93	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.			

**32 17 16 00-0011 Asphalt Speed Table** (32 17 16)

Note: Excludes pavement markings or reflectors.

32 17 16 00-0012	LF	Up to 36" Wide Asphalt Speed Table With 3" Center Crown .....		31.57	
		Note: Tapered on edges to roadway.			
32 17 16 00-0013	LF	>36" To 48" Wide Asphalt Speed Table With 3" Center Crown .....		37.19	
		Note: Tapered on edges to roadway.			
32 17 16 00-0014	LF	Up to 36" Wide Asphalt Speed Table With 4" Center Crown .....		39.65	
		Note: Tapered on edges to roadway.			
32 17 16 00-0015	LF	>36" To 48" Wide Asphalt Speed Table With 4" Center Crown .....		46.71	
		Note: Tapered on edges to roadway.			
32 17 16 00-0016	LF	Up to 36" Wide Asphalt Speed Table With 6" Center Crown .....		48.77	
		Note: Tapered on edges to roadway.			
32 17 16 00-0017	LF	>36" To 48" Wide Asphalt Speed Table With 6" Center Crown .....		54.39	
		Note: Tapered on edges to roadway.			

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 16 00-0018			<b>Speed Bumps</b> <small>(32 17 16)</small> Note: Excludes pavement markings or reflectors.		
32 17 16 00-0019	LF		2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump .....	27.91	1.63
32 17 16 00-0020	LF		2-1/4" High x 12" Wide, Recycled Rubber Speed Bump .....	26.14	1.08
32 17 16 00-0021	LF		2-5/8" High x 12" Wide, Recycled Plastic Speed Bump .....	57.53	1.08
<b>32 17 23</b>			<b>Pavement Markings</b> <small>(32 17)</small>		
<b>32 17 23 13</b>			<b>Painted Pavement Markings</b> <small>(32 17 23)</small>		
32 17 23 13-0001			<b>Pavement Striping, Letters, Symbols And Markers For Roads</b> <small>(32 17 23 13)</small> Note: Includes primers, adhesive and glass beads where required. For broken line quantities use total lane length. Per Coat.		
32 17 23 13-0002			<b>Epoxy Reflective Pavement Marking</b> <small>(32 17 23 13-0001)</small> Note: 15 mil thickness.		
32 17 23 13-0003	LF		Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping .....	0.45	
			For 20 Mil Thickness, Add	0.09	
			For Up To 5,000 LF, Add	0.09	
			For >25,000 LF, Deduct	-0.07	
			For Broken Line, Deduct	-0.19	
32 17 23 13-0004	LF		Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping .....	0.62	
			For 20 Mil Thickness, Add	0.14	
			For Up To 5,000 LF, Add	0.12	
			For >25,000 LF, Deduct	-0.09	
			For Broken Line, Deduct	-0.28	
32 17 23 13-0005	LF		Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping .....	0.77	
			For 20 Mil Thickness, Add	0.17	
			For Up To 5,000 LF, Add	0.15	
			For >25,000 LF, Deduct	-0.12	
			For Broken Line, Deduct	-0.34	
32 17 23 13-0006	LF		Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping .....	1.14	
			For 20 Mil Thickness, Add	0.26	
			For Up To 5,000 LF, Add	0.23	
			For >25,000 LF, Deduct	-0.17	
			For Broken Line, Deduct	-0.55	
32 17 23 13-0007	LF		Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping .....	0.69	
			For 20 Mil Thickness, Add	0.17	
			For Up To 5,000 LF, Add	0.14	
			For >25,000 LF, Deduct	-0.10	
			For Broken Line On One Side, Deduct	-0.18	
			For Double Broken Line, Deduct	-0.37	
32 17 23 13-0008	LF		Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping .....	0.98	
			For 20 Mil Thickness, Add	0.26	
			For Up To 5,000 LF, Add	0.20	
			For >25,000 LF, Deduct	-0.15	
			For Broken Line On One Side, Deduct	-0.27	
			For Double Broken Line, Deduct	-0.55	
32 17 23 13-0009	EA		6" High, Letter/Number, Epoxy Reflective Pavement Marking .....	3.58	
			For 20 Mil Thickness, Add	0.33	
			For <10, Add	0.46	
			For >50 To 100, Deduct	-0.23	
			For >100 To 200, Deduct	-0.31	
			For >200, Deduct	-0.61	
32 17 23 13-0010	EA		12" High, Letter/Number, Epoxy Reflective Pavement Marking .....	6.52	
			For 20 Mil Thickness, Add	0.86	
			For <10, Add	0.69	
			For >50 To 100, Deduct	-0.35	
			For >100 To 200, Deduct	-0.46	
			For >200, Deduct	-0.93	
32 17 23 13-0011	EA		24" High, Letter/Number, Epoxy Reflective Pavement Marking .....	11.00	
			For 20 Mil Thickness, Add	1.49	
			For <10, Add	1.15	
			For >50 To 100, Deduct	-0.58	
			For >100 To 200, Deduct	-0.77	
			For >200, Deduct	-1.54	
32 17 23 13-0012	EA		36" High, Letter/Number, Epoxy Reflective Pavement Marking .....	21.18	
			For 20 Mil Thickness, Add	2.70	
			For <10, Add	2.31	
			For >50 To 100, Deduct	-1.15	
			For >100 To 200, Deduct	-1.54	
			For >200, Deduct	-3.07	
32 17 23 13-0013	EA		48" High, Letter/Number, Epoxy Reflective Pavement Marking .....	24.81	
			For 20 Mil Thickness, Add	3.38	
			For <10, Add	2.59	
			For >50 To 100, Deduct	-1.29	
			For >100 To 200, Deduct	-1.73	
			For >200, Deduct	-3.45	
32 17 23 13-0014	EA		72" High, Letter/Number, Epoxy Reflective Pavement Marking .....	44.49	
			For 20 Mil Thickness, Add	6.14	
			For <10, Add	4.60	
			For >50 To 100, Deduct	-2.30	
			For >100 To 200, Deduct	-3.07	
			For >200, Deduct	-6.14	
32 17 23 13-0015	EA		96" High, Letter/Number, Epoxy Reflective Pavement Marking .....	59.37	
			For 20 Mil Thickness, Add	8.12	
			For <10, Add	6.18	
			For >50 To 100, Deduct	-3.09	
			For >100 To 200, Deduct	-4.12	
			For >200, Deduct	-8.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0016	EA		120" High, Letter/Number, Epoxy Reflective Pavement Marking .....	91.60	
			<i>For 20 Mil Thickness, Add</i>	16.07	
			<i>For &lt;10, Add</i>	7.66	
			<i>For &gt;50 To 100, Deduct</i>	-3.83	
			<i>For &gt;100 To 200, Deduct</i>	-5.11	
			<i>For &gt;200, Deduct</i>	-10.21	
32 17 23 13-0017	SF		Letter/Number, Epoxy Reflective Pavement Marking.....	5.94	
			<i>For 20 Mil Thickness, Add</i>	0.67	
32 17 23 13-0018	SY		Cross Hatch, Epoxy Reflective Pavement Marking.....	51.96	
32 17 23 13-0019	SF		Symbols, Epoxy Reflective Pavement Marking .....	7.50	
			Note: Handicap, railroad, diamond, arrows, etc.		
<b>32 17 23 13-0020 Painted Reflective Pavement Marking (32 17 23 13-0001)</b>					
			Note: 15 mil thickness.		
32 17 23 13-0021	LF		Single 4" Wide Solid Line, Painted Reflective Pavement Striping .....	0.26	
			<i>For Up To 5,000 LF, Add</i>	0.05	
			<i>For &gt;25,000 LF, Deduct</i>	-0.04	
			<i>For Broken Line, Deduct</i>	-0.05	
32 17 23 13-0022	LF		Single 6" Wide Solid Line, Painted Reflective Pavement Striping .....	0.35	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.05	
			<i>For Broken Line, Deduct</i>	-0.08	
32 17 23 13-0023	LF		Single 8" Wide Solid Line, Painted Reflective Pavement Striping .....	0.44	
			<i>For Up To 5,000 LF, Add</i>	0.09	
			<i>For &gt;25,000 LF, Deduct</i>	-0.07	
			<i>For Broken Line, Deduct</i>	-0.09	
32 17 23 13-0024	LF		Single 12" Wide Solid Line, Painted Reflective Pavement Striping .....	0.59	
			<i>For Up To 5,000 LF, Add</i>	0.12	
			<i>For &gt;25,000 LF, Deduct</i>	-0.09	
			<i>For Broken Line, Deduct</i>	-0.14	
32 17 23 13-0025	LF		Double 4" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.39	
			<i>For Up To 5,000 LF, Add</i>	0.08	
			<i>For &gt;25,000 LF, Deduct</i>	-0.06	
			<i>For Broken Line On One Side, Deduct</i>	-0.05	
			<i>For Double Broken Line, Deduct</i>	-0.09	
32 17 23 13-0026	LF		Double 6" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.59	
			<i>For Up To 5,000 LF, Add</i>	0.12	
			<i>For &gt;25,000 LF, Deduct</i>	-0.09	
			<i>For Broken Line On One Side, Deduct</i>	-0.07	
			<i>For Double Broken Line, Deduct</i>	-0.14	
32 17 23 13-0027	SF		Solid Area, Painted Reflective Pavement Striping .....	4.65	
			Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0028	SF		Letter/Number, Painted Reflective Pavement Marking.....	5.39	
32 17 23 13-0029	SY		Cross Hatch, Painted Reflective Pavement Marking.....	5.82	
32 17 23 13-0030	SF		Symbols, Painted Reflective Pavement Marking.....	6.43	
			Note: Handicap, railroad, diamond, arrows, etc.		
<b>32 17 23 13-0031 Pavement Marking (CALTRANS) (32 17 23 13-0001)</b>					
			Note: Per LF of detail.		
32 17 23 13-0032	LF		CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping .....	0.22	
			<i>For Up To 5,000 LF, Add</i>	0.04	
			<i>For &gt;25,000 LF, Deduct</i>	-0.03	
32 17 23 13-0033	LF		CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping .....	0.33	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0034	LF		CALTRANS Detail 4 Centerline .....	0.58	
			<i>For Up To 5,000 LF, Add</i>	0.12	
			<i>For &gt;25,000 LF, Deduct</i>	-0.09	
32 17 23 13-0035	LF		CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping .....	0.22	
			<i>For Up To 5,000 LF, Add</i>	0.04	
			<i>For &gt;25,000 LF, Deduct</i>	-0.03	
32 17 23 13-0036	LF		CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping .....	0.33	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0037	LF		CALTRANS Detail 7 Centerline .....	0.43	
			<i>For Up To 5,000 LF, Add</i>	0.09	
			<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0038	LF		CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping .....	0.22	
			<i>For Up To 5,000 LF, Add</i>	0.04	
			<i>For &gt;25,000 LF, Deduct</i>	-0.03	
32 17 23 13-0039	LF		CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping .....	0.33	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0040	LF		CALTRANS Detail 10 Lanelines .....	0.58	
			<i>For Up To 5,000 LF, Add</i>	0.12	
			<i>For &gt;25,000 LF, Deduct</i>	-0.09	
32 17 23 13-0041	LF		CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping .....	0.22	
			<i>For Up To 5,000 LF, Add</i>	0.04	
			<i>For &gt;25,000 LF, Deduct</i>	-0.03	
32 17 23 13-0042	LF		CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping .....	0.32	
			<i>For Up To 5,000 LF, Add</i>	0.06	
			<i>For &gt;25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0043	LF		CALTRANS Detail 13 Lanelines .....	0.43	
			<i>For Up To 5,000 LF, Add</i>	0.09	
			<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0044	LF		CALTRANS Detail 14 Lanelines .....	0.43	
			<i>For Up To 5,000 LF, Add</i>	0.09	
			<i>For &gt;25,000 LF, Deduct</i>	-0.06	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0045	LF		CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping .....	0.32	
			<i>For Up To 5,000 LF, Add</i>	0.06	
			<i>For &gt;25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0046	LF		CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping .....	0.29	
			<i>For Up To 5,000 LF, Add</i>	0.06	
			<i>For &gt;25,000 LF, Deduct</i>	-0.04	
			<i>For Broken Line On One Side, Deduct</i>	-0.03	
			<i>For Double Broken Line, Deduct</i>	-0.07	
32 17 23 13-0047	LF		CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping .....	0.69	
			<i>For Up To 5,000 LF, Add</i>	0.14	
			<i>For &gt;25,000 LF, Deduct</i>	-0.10	
32 17 23 13-0048	LF		CALTRANS Detail 17 No Passing Zones-One Direction Lanelines .....	1.71	
			<i>For Up To 5,000 LF, Add</i>	0.34	
			<i>For &gt;25,000 LF, Deduct</i>	-0.26	
32 17 23 13-0049	LF		CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping .....	0.29	
			<i>For Up To 5,000 LF, Add</i>	0.06	
			<i>For &gt;25,000 LF, Deduct</i>	-0.04	
			<i>For Broken Line On One Side, Deduct</i>	-0.03	
			<i>For Double Broken Line, Deduct</i>	-0.07	
32 17 23 13-0050	LF		CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping .....	0.58	
			<i>For Up To 5,000 LF, Add</i>	0.12	
			<i>For &gt;25,000 LF, Deduct</i>	-0.09	
32 17 23 13-0051	LF		CALTRANS Detail 20 No Passing Zones-One Direction Lanelines .....	1.45	
			<i>For Up To 5,000 LF, Add</i>	0.29	
			<i>For &gt;25,000 LF, Deduct</i>	-0.22	
32 17 23 13-0052	LF		CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping .....	0.34	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.05	
			<i>For Broken Line On One Side, Deduct</i>	-0.05	
			<i>For Double Broken Line, Deduct</i>	-0.11	
32 17 23 13-0053	LF		CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping .....	0.74	
			<i>For Up To 5,000 LF, Add</i>	0.15	
			<i>For &gt;25,000 LF, Deduct</i>	-0.11	
32 17 23 13-0054	LF		CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines .....	2.03	
			<i>For Up To 5,000 LF, Add</i>	0.41	
			<i>For &gt;25,000 LF, Deduct</i>	-0.30	
32 17 23 13-0055	LF		CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping .....	0.27	
			<i>For Up To 5,000 LF, Add</i>	0.05	
			<i>For &gt;25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0056	LF		CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping .....	0.38	
			<i>For Up To 5,000 LF, Add</i>	0.08	
			<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0057	LF		CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping .....	0.47	
			<i>For Up To 5,000 LF, Add</i>	0.09	
			<i>For &gt;25,000 LF, Deduct</i>	-0.07	
32 17 23 13-0058	LF		CALTRANS Detail 26 Left Edgelines .....	0.10	
			<i>For Up To 5,000 LF, Add</i>	0.02	
			<i>For &gt;25,000 LF, Deduct</i>	-0.02	
32 17 23 13-0059	LF		CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping .....	0.45	
			<i>For Up To 5,000 LF, Add</i>	0.09	
			<i>For &gt;25,000 LF, Deduct</i>	-0.07	
32 17 23 13-0060	LF		CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping .....	0.27	
			<i>For Up To 5,000 LF, Add</i>	0.05	
			<i>For &gt;25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0061	LF		CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping .....	0.21	
			<i>For Up To 5,000 LF, Add</i>	0.04	
			<i>For &gt;25,000 LF, Deduct</i>	-0.03	
32 17 23 13-0062	LF		CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping .....	0.70	
			<i>For Up To 5,000 LF, Add</i>	0.14	
			<i>For &gt;25,000 LF, Deduct</i>	-0.11	
			<i>For Broken Line On One Side, Deduct</i>	-0.11	
			<i>For Double Broken Line, Deduct</i>	-0.22	
32 17 23 13-0063	LF		CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping .....	1.09	
			<i>For Up To 5,000 LF, Add</i>	0.22	
			<i>For &gt;25,000 LF, Deduct</i>	-0.16	
32 17 23 13-0064	LF		CALTRANS Detail 30 Median Islands .....	4.08	
			<i>For Up To 5,000 LF, Add</i>	0.82	
			<i>For &gt;25,000 LF, Deduct</i>	-0.61	
32 17 23 13-0065	LF		CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping .....	0.59	
			<i>For Up To 5,000 LF, Add</i>	0.12	
			<i>For &gt;25,000 LF, Deduct</i>	-0.09	
			<i>For Broken Line On One Side, Deduct</i>	-0.07	
			<i>For Double Broken Line, Deduct</i>	-0.14	
32 17 23 13-0066	LF		CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping .....	1.08	
			<i>For Up To 5,000 LF, Add</i>	0.22	
			<i>For &gt;25,000 LF, Deduct</i>	-0.16	
32 17 23 13-0067	LF		CALTRANS Detail 33 Two-Way Left Turn Lanes .....	2.79	
			<i>For Up To 5,000 LF, Add</i>	0.56	
			<i>For &gt;25,000 LF, Deduct</i>	-0.42	
32 17 23 13-0068	LF		CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping .....	0.58	
			<i>For Up To 5,000 LF, Add</i>	0.12	
			<i>For &gt;25,000 LF, Deduct</i>	-0.09	
32 17 23 13-0069	LF		CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping .....	0.29	
			<i>For Up To 5,000 LF, Add</i>	0.06	
			<i>For &gt;25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0070	LF		CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping .....	0.70	
			<i>For Up To 5,000 LF, Add</i>	0.14	
			<i>For &gt;25,000 LF, Deduct</i>	-0.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23	13-0071	LF	CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping.....	0.29	
			For Up To 5,000 LF, Add	0.06	
			For >25,000 LF, Deduct	-0.04	
32 17 23	13-0072	LF	CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping.....	1.27	
			For Up To 5,000 LF, Add	0.25	
			For >25,000 LF, Deduct	-0.19	
32 17 23	13-0073	LF	CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping.....	0.84	
			For Up To 5,000 LF, Add	0.17	
			For >25,000 LF, Deduct	-0.13	
32 17 23	13-0074	LF	CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping .....	0.90	
			For Up To 5,000 LF, Add	0.18	
			For >25,000 LF, Deduct	-0.14	
32 17 23	13-0075	LF	CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping .....	0.77	
			For Up To 5,000 LF, Add	0.15	
			For >25,000 LF, Deduct	-0.12	
32 17 23	13-0076	LF	CALTRANS Detail 37A Lane Drop At Exit Ramps .....	1.36	
			For Up To 5,000 LF, Add	0.27	
			For >25,000 LF, Deduct	-0.20	
32 17 23	13-0077	LF	CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping .....	0.77	
			For Up To 5,000 LF, Add	0.15	
			For >25,000 LF, Deduct	-0.12	
32 17 23	13-0078	LF	CALTRANS Detail 37C Lane Drop At Intersections .....	1.36	
			For Up To 5,000 LF, Add	0.27	
			For >25,000 LF, Deduct	-0.20	
32 17 23	13-0079	LF	CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping .....	0.75	
			For Up To 5,000 LF, Add	0.15	
			For >25,000 LF, Deduct	-0.11	
32 17 23	13-0080	LF	CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping .....	0.56	
			For Up To 5,000 LF, Add	0.11	
			For >25,000 LF, Deduct	-0.08	
32 17 23	13-0081	LF	CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping .....	0.95	
			For Up To 5,000 LF, Add	0.19	
			For >25,000 LF, Deduct	-0.14	
32 17 23	13-0082	LF	CALTRANS Detail 38C Channelizing Line .....	2.03	
			For Up To 5,000 LF, Add	0.41	
			For >25,000 LF, Deduct	-0.30	
32 17 23	13-0083	LF	CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping .....	0.34	
			For Up To 5,000 LF, Add	0.07	
			For >25,000 LF, Deduct	-0.05	
32 17 23	13-0084	LF	CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping .....	0.28	
			For Up To 5,000 LF, Add	0.06	
			For >25,000 LF, Deduct	-0.04	
32 17 23	13-0085	LF	CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping .....	0.21	
			For Up To 5,000 LF, Add	0.04	
			For >25,000 LF, Deduct	-0.03	
32 17 23	13-0086	LF	CALTRANS Detail 40A Lane Line Extensions Through Intersections.....	0.99	
			For Up To 5,000 LF, Add	0.20	
			For >25,000 LF, Deduct	-0.15	
32 17 23	13-0087	LF	CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping .....	0.21	
			For Up To 5,000 LF, Add	0.04	
			For >25,000 LF, Deduct	-0.03	
32 17 23	13-0088	LF	CALTRANS Detail 41A Center Line Extensions Through Intersections .....	0.99	
			For Up To 5,000 LF, Add	0.20	
			For >25,000 LF, Deduct	-0.15	
32 17 23	13-0089	EA	CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking .....	85.71	
			For <10, Add	11.19	
			For >50 To 100, Deduct	-5.60	
			For >100 To 200, Deduct	-7.46	
			For >200, Deduct	-14.93	
32 17 23	13-0090	EA	CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking .....	150.39	
			For <10, Add	19.59	
			For >50 To 100, Deduct	-9.80	
			For >100 To 200, Deduct	-13.06	
			For >200, Deduct	-26.12	
32 17 23	13-0091	EA	CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking .....	188.73	
			For <10, Add	24.63	
			For >50 To 100, Deduct	-12.32	
			For >100 To 200, Deduct	-16.42	
			For >200, Deduct	-32.84	
32 17 23	13-0092	EA	CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking.....	274.43	
			For <10, Add	35.82	
			For >50 To 100, Deduct	-17.91	
			For >100 To 200, Deduct	-23.88	
			For >200, Deduct	-47.77	
32 17 23	13-0093	EA	CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking.....	360.15	
			For <10, Add	47.02	
			For >50 To 100, Deduct	-23.51	
			For >100 To 200, Deduct	-31.35	
			For >200, Deduct	-62.69	
32 17 23	13-0094	EA	CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking.....	253.40	
			For <10, Add	33.03	
			For >50 To 100, Deduct	-16.51	
			For >100 To 200, Deduct	-22.02	
			For >200, Deduct	-44.03	
32 17 23	13-0095	EA	CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking.....	442.13	
			For <10, Add	57.66	
			For >50 To 100, Deduct	-28.83	
			For >100 To 200, Deduct	-38.44	
			For >200, Deduct	-76.87	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 17 23 13-0096	EA	CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking.....	90.24	
		<i>For &lt;10, Add</i>	11.76	
		<i>For &gt;50 To 100, Deduct</i>	-5.88	
		<i>For &gt;100 To 200, Deduct</i>	-7.84	
		<i>For &gt;200, Deduct</i>	-15.67	
32 17 23 13-0097	EA	CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking.....	197.77	
		<i>For &lt;10, Add</i>	25.75	
		<i>For &gt;50 To 100, Deduct</i>	-12.87	
		<i>For &gt;100 To 200, Deduct</i>	-17.17	
		<i>For &gt;200, Deduct</i>	-34.33	
32 17 23 13-0098	EA	CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking.....	253.40	
		<i>For &lt;10, Add</i>	33.03	
		<i>For &gt;50 To 100, Deduct</i>	-16.51	
		<i>For &gt;100 To 200, Deduct</i>	-22.02	
		<i>For &gt;200, Deduct</i>	-44.03	
32 17 23 13-0099	EA	CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking.....	163.33	
		<i>For &lt;10, Add</i>	21.27	
		<i>For &gt;50 To 100, Deduct</i>	-10.64	
		<i>For &gt;100 To 200, Deduct</i>	-14.18	
		<i>For &gt;200, Deduct</i>	-28.36	
32 17 23 13-0100	EA	CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking.....	215.07	
		<i>For &lt;10, Add</i>	27.99	
		<i>For &gt;50 To 100, Deduct</i>	-13.99	
		<i>For &gt;100 To 200, Deduct</i>	-18.66	
		<i>For &gt;200, Deduct</i>	-37.32	
32 17 23 13-0101	EA	CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking.....	42.86	
		<i>For &lt;10, Add</i>	5.60	
		<i>For &gt;50 To 100, Deduct</i>	-2.80	
		<i>For &gt;100 To 200, Deduct</i>	-3.73	
		<i>For &gt;200, Deduct</i>	-7.46	
32 17 23 13-0102	EA	CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking.....	409.90	
		Note: Excludes variable width transverse lines.		
		<i>For &lt;10, Add</i>	53.18	
		<i>For &gt;50 To 100, Deduct</i>	-26.59	
		<i>For &gt;100 To 200, Deduct</i>	-35.45	
		<i>For &gt;200, Deduct</i>	-70.90	
32 17 23 13-0103	SF	CALTRANS Solid Area, Painted Reflective Pavement Marking.....	5.35	
32 17 23 13-0104	EA	CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking.....	39.89	
		Note: Approximate overall dimensions: 4' width x 8' height.		
		<i>For &lt;10, Add</i>	4.03	
		<i>For &gt;50 To 100, Deduct</i>	-2.01	
		<i>For &gt;100 To 200, Deduct</i>	-2.69	
		<i>For &gt;200, Deduct</i>	-5.37	
32 17 23 13-0105	EA	CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking.....	42.26	
		Note: Approximate overall dimensions: 4' width x 8' height.		
		<i>For &lt;10, Add</i>	4.25	
		<i>For &gt;50 To 100, Deduct</i>	-2.13	
		<i>For &gt;100 To 200, Deduct</i>	-2.84	
		<i>For &gt;200, Deduct</i>	-5.67	
32 17 23 13-0106	EA	CALTRANS Diamond Symbol, Painted Reflective Pavement Marking.....	68.41	
		<i>For &lt;10, Add</i>	8.96	
		<i>For &gt;50 To 100, Deduct</i>	-4.48	
		<i>For &gt;100 To 200, Deduct</i>	-5.97	
		<i>For &gt;200, Deduct</i>	-11.94	
32 17 23 13-0107	EA	CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking.....	139.11	
		<i>For &lt;10, Add</i>	18.14	
		<i>For &gt;50 To 100, Deduct</i>	-9.07	
		<i>For &gt;100 To 200, Deduct</i>	-12.09	
		<i>For &gt;200, Deduct</i>	-24.18	
32 17 23 13-0108	EA	CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking.....	29.88	
		Note: Approximate overall dimensions: 4' width x 8' height.		
		<i>For &lt;10, Add</i>	4.25	
		<i>For &gt;50 To 100, Deduct</i>	-2.13	
		<i>For &gt;100 To 200, Deduct</i>	-2.84	
		<i>For &gt;200, Deduct</i>	-5.67	
32 17 23 13-0109	SF	CALTRANS Letter/Number, Painted Reflective Pavement Marking.....	5.42	
32 17 23 13-0110	SF	CALTRANS Symbols, Painted Reflective Pavement Marking.....	6.02	
		Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0111		<b>Pavement Striping, Letters And Symbols For Parking Areas</b> (32 17 23 13)		
		Note: Includes primers. Per Coat.		
32 17 23 13-0112		<b>Painted Pavement Marking For Parking Areas</b> (32 17 23 13-0111)		
		Note: 15 mil thickness.		
32 17 23 13-0113	LF	Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.02	
32 17 23 13-0114	LF	Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.12	
32 17 23 13-0115	LF	Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.18	
32 17 23 13-0116	LF	Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.32	
32 17 23 13-0117	EA	6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	3.28	
		<i>For Up To 10, Add</i>	0.45	
		<i>For &gt;50 To 100, Deduct</i>	-0.22	
		<i>For &gt;100 To 200, Deduct</i>	-0.30	
		<i>For &gt;200, Deduct</i>	-0.60	
32 17 23 13-0118	EA	12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	5.52	
		<i>For Up To 10, Add</i>	0.67	
		<i>For &gt;50 To 100, Deduct</i>	-0.34	
		<i>For &gt;100 To 200, Deduct</i>	-0.45	
		<i>For &gt;200, Deduct</i>	-0.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0119	EA		24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	9.31	
			For Up To 10, Add	1.12	
			For >50 To 100, Deduct	-0.56	
			For >100 To 200, Deduct	-0.75	
			For >200, Deduct	-1.49	
32 17 23 13-0120	EA		36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	17.42	
			For Up To 10, Add	2.13	
			For >50 To 100, Deduct	-1.06	
			For >100 To 200, Deduct	-1.42	
			For >200, Deduct	-2.84	
32 17 23 13-0121	EA		42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	23.13	
			For Up To 10, Add	2.91	
			For >50 To 100, Deduct	-1.46	
			For >100 To 200, Deduct	-1.94	
			For >200, Deduct	-3.88	
32 17 23 13-0122	EA		48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas.....	28.11	
			For Up To 10, Add	3.58	
			For >50 To 100, Deduct	-1.79	
			For >100 To 200, Deduct	-2.39	
			For >200, Deduct	-4.78	
32 17 23 13-0123	EA		72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas.....	37.55	
			For Up To 10, Add	4.48	
			For >50 To 100, Deduct	-2.24	
			For >100 To 200, Deduct	-2.99	
			For >200, Deduct	-5.97	
32 17 23 13-0124	EA		Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	66.75	
			Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0125	EA		Turn Lane Arrow, Painted Pavement Marking For Parking Areas.....	76.24	
			Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0126	EA		Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas.....	108.27	
			Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0127	EA		Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	110.46	
			Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0128	EA		Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	144.06	
			Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0129	EA		Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas.....	27.34	
			Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
			For Blue Background With White Symbol, Add	20.14	
			For Blue Background With White Symbol And Border, Add	25.17	
32 17 23 13-0130	EA		Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas.....	39.92	
			Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.		
			For Blue Background With White Symbol, Add	41.10	
			For Blue Background With White Symbol And Border, Add	51.38	
<b>32 17 23 13-0131</b>			<b>Painted Curbs</b> (32 17 23 13)		
			Note: All colors.		
32 17 23 13-0132	LF		Reflective Painted Curb.....	2.60	
32 17 23 13-0133	LF		Reflective Painted Curb And Gutter.....	4.95	
32 17 23 13-0134	LF		Painted Curb.....	2.10	
32 17 23 13-0135	LF		Painted Curb And Gutter.....	4.52	
<b>32 17 23 13-0136</b>			<b>Markings For Outdoor Play Areas, Courts</b> (32 17 23 13)		
32 17 23 13-0137	LF		2" Wide Marking For Outdoor Play Areas.....	0.84	
32 17 23 13-0138	LF		3" Wide Marking For Outdoor Play Areas.....	0.94	
32 17 23 13-0139	LF		4" Wide Marking For Outdoor Play Areas.....	1.06	
32 17 23 13-0140	LF		6" Wide Marking For Outdoor Play Areas.....	1.25	
32 17 23 13-0141	EA		Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera).....	211.84	
<b>32 17 23 23</b>			<b>Raised Pavement Markings</b> (32 17 23)		
<b>32 17 23 23-0001</b>			<b>Raised Pavement Markers (RPMs)</b> (32 17 23 23)		
32 17 23 23-0002	EA		One-Way Reflective, Raised Pavement Marker (RPM).....	4.52	2.33
			Note: Type G, H or R		
			For >100, Deduct	-0.45	
32 17 23 23-0003	EA		Two-Way Reflective, Raised Pavement Marker (RPM).....	4.76	2.33
			Note: Type B, C, D, AC, RA or RR		
			For >100, Deduct	-0.48	
32 17 23 23-0004	EA		4" Diameter, Round Reflective, Raised Pavement Marker (RPM).....	5.60	2.33
			For >100, Deduct	-0.56	
32 17 23 23-0005	EA		4" Diameter, Non-Reflective, Raised Pavement Marker (RPM).....	4.21	2.33
			Note: Type A or AY		
			For >100, Deduct	-0.42	
<b>32 17 23 23-0006</b>			<b>Snowplowable Pavement Markers</b> (32 17 23 23)		
32 17 23 23-0007	EA		One-Way Reflective, Snowplowable Pavement Marker With Center Rail.....	60.52	27.43
			Note: Type G, H or R		
32 17 23 23-0008	EA		Two-Way Reflective, Snowplowable Pavement Marker With Center Rail.....	60.73	27.43
			Note: Type B, C, D, AC, RA or RR		
32 17 23 23-0009	EA		Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker.....	16.76	
32 17 23 23-0010	EA		Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker.....	21.54	
<b>32 17 23 33</b>			<b>Plastic Pavement Markings</b> (32 17 23)		

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-001			<b>Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads</b> <small>(32 17 23 33)</small> Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
32 17 23 33-002			<b>Thermoplastic Reflective Pavement Marking</b> <small>(32 17 23 33-001)</small> Note: 90 mil thickness.		
32 17 23 33-003	LF		Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping.....	1.14	
			For Up To 5,000 LF, Add	0.23	
			For >25,000 LF, Deduct	-0.17	
			For 60 mils Thick, Deduct	-0.15	
			For 125 mils Thick, Add	0.20	
			For Broken Line, Deduct	-0.65	
32 17 23 33-004	LF		Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping.....	1.63	
			Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.33	
			For >25,000 LF, Deduct	-0.24	
			For 60 mils Thick, Deduct	-0.23	
			For 125 mils Thick, Add	0.29	
			For Broken Line, Deduct	-0.98	
32 17 23 33-005	LF		Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping.....	2.15	
			Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.43	
			For >25,000 LF, Deduct	-0.32	
			For 60 mils Thick, Deduct	-0.30	
			For 125 mils Thick, Add	0.39	
			For Broken Line, Deduct	-1.30	
32 17 23 33-006	LF		Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping.....	3.14	
			Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.63	
			For >25,000 LF, Deduct	-0.47	
			For 60 mils Thick, Deduct	-0.46	
			For 125 mils Thick, Add	0.59	
			For Broken Line, Deduct	-1.95	
32 17 23 33-007	LF		Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping.....	2.14	
			Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.43	
			For >25,000 LF, Deduct	-0.32	
			For 60 mils Thick, Deduct	-0.30	
			For 125 mils Thick, Add	0.39	
			For Broken Line On One Side, Deduct	-0.65	
			For Double Broken Line, Deduct	-1.30	
32 17 23 33-008	LF		Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping.....	3.14	
			Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.63	
			For >25,000 LF, Deduct	-0.47	
			For 60 mils Thick, Deduct	-0.46	
			For 125 mils Thick, Add	0.59	
			For Broken Line On One Side, Deduct	-0.98	
			For Double Broken Line, Deduct	-1.95	
32 17 23 33-009	SF		Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	7.05	
			Note: Includes yellow or white.		
			For 60 mils Thick, Deduct	-0.45	
			For 125 mils Thick, Add	0.58	
32 17 23 33-010	EA		6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	4.62	
			For Up To 10, Add	0.50	
			For >50 To 100, Deduct	-0.25	
			For >100 To 200, Deduct	-0.34	
			For >200, Deduct	-0.67	
			For 60 mils Thick, Deduct	-0.22	
			For 125 mils Thick, Add	0.28	
32 17 23 33-011	EA		12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	9.63	
			For Up To 10, Add	0.76	
			For >50 To 100, Deduct	-0.38	
			For >100 To 200, Deduct	-0.51	
			For >200, Deduct	-1.01	
			For 60 mils Thick, Deduct	-0.80	
			For 125 mils Thick, Add	1.03	
32 17 23 33-012	EA		24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	16.42	
			For Up To 10, Add	1.26	
			For >50 To 100, Deduct	-0.63	
			For >100 To 200, Deduct	-0.84	
			For >200, Deduct	-1.69	
			For 60 mils Thick, Deduct	-1.40	
			For 125 mils Thick, Add	1.80	
32 17 23 33-013	EA		36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	30.99	
			For Up To 10, Add	2.54	
			For >50 To 100, Deduct	-1.27	
			For >100 To 200, Deduct	-1.69	
			For >200, Deduct	-3.39	
			For 60 mils Thick, Deduct	-2.46	
			For 125 mils Thick, Add	3.16	
32 17 23 33-014	EA		48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	37.21	
			For Up To 10, Add	2.84	
			For >50 To 100, Deduct	-1.42	
			For >100 To 200, Deduct	-1.90	
			For >200, Deduct	-3.79	
			For 60 mils Thick, Deduct	-3.20	
			For 125 mils Thick, Add	4.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0015	EA		72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	67.10	
			For Up To 10, Add	5.06	
			For >50 To 100, Deduct	-2.53	
			For >100 To 200, Deduct	-3.37	
			For >200, Deduct	-6.75	
			For 60 mils Thick, Deduct	-5.84	
			For 125 mils Thick, Add	7.51	
32 17 23 33-0016	EA		96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	89.20	
			For Up To 10, Add	6.80	
			For >50 To 100, Deduct	-3.40	
			For >100 To 200, Deduct	-4.53	
			For >200, Deduct	-9.06	
			For 60 mils Thick, Deduct	-7.68	
			For 125 mils Thick, Add	9.88	
32 17 23 33-0017	EA		120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	154.11	
			For Up To 10, Add	8.42	
			For >50 To 100, Deduct	-4.21	
			For >100 To 200, Deduct	-5.61	
			For >200, Deduct	-11.23	
			For 60 mils Thick, Deduct	-17.15	
			For 125 mils Thick, Add	22.05	
32 17 23 33-0018	SF		Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	8.23	
			For 60 mils Thick, Deduct	-0.55	
			For 125 mils Thick, Add	0.71	
32 17 23 33-0019	SY		Cross Hatch, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	24.47	
			Note: Per SY of area.		
			For 60 mils Thick, Deduct	-1.02	
			For 125 mils Thick, Add	1.31	
32 17 23 33-0020	EA		Handicap Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	215.17	
			For 60 mils Thick, Deduct	-12.72	
			For 125 mils Thick, Add	16.36	
32 17 23 33-0021	EA		Railroad Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	639.18	
			For 60 mils Thick, Deduct	-38.72	
			For 125 mils Thick, Add	49.78	
32 17 23 33-0022	EA		Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	129.95	
			Note: Approximate overall dimensions: 4' width x 8' height.		
			For 60 mils Thick, Deduct	-17.52	
			For 125 mils Thick, Add	22.52	
32 17 23 33-0023	EA		Diamond Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	102.91	
			For 60 mils Thick, Deduct	-6.08	
			For 125 mils Thick, Add	7.82	
32 17 23 33-0024	SF		Symbols, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	9.35	
			Note: Handicap, railroad, diamond, arrows, etc.		
			For 60 mils Thick, Deduct	-0.55	
			For 125 mils Thick, Add	0.71	
32 17 23 33-0025	EA		10' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	130.97	
			For 60 mils Thick, Deduct	-7.74	
			For 125 mils Thick, Add	9.96	
32 17 23 33-0026	EA		18' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	233.88	
			For 60 mils Thick, Deduct	-13.83	
			For 125 mils Thick, Add	17.78	
32 17 23 33-0027	EA		24' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	290.02	
			For 60 mils Thick, Deduct	-17.15	
			For 125 mils Thick, Add	22.05	
32 17 23 33-0028	EA		24' Arrow With Single (L or R) Turn Arrow, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	420.98	
			For 60 mils Thick, Deduct	-24.89	
			For 125 mils Thick, Add	32.00	
32 17 23 33-0029	EA		24' Arrow With Both (L and R) Turn Arrows, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	551.96	
			For 60 mils Thick, Deduct	-32.63	
			For 125 mils Thick, Add	41.96	
32 17 23 33-0030	EA		24' Arrow Single (L or R) Turn Arrow, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	392.91	
			For 60 mils Thick, Deduct	-23.23	
			For 125 mils Thick, Add	29.87	
32 17 23 33-0031	EA		24' Arrow Both (L and R) Turn Arrows, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	682.93	
			For 60 mils Thick, Deduct	-40.38	
			For 125 mils Thick, Add	51.91	
32 17 23 33-0032	EA		8' Turn Arrow (L or R), Type IV, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	140.33	
			For 60 mils Thick, Deduct	-8.30	
			For 125 mils Thick, Add	10.67	
32 17 23 33-0033	EA		24' Arrow, Type V, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	308.72	
			For 60 mils Thick, Deduct	-18.25	
			For 125 mils Thick, Add	23.47	
32 17 23 33-0034	EA		18' Arrow, Type VI, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	392.91	
			For 60 mils Thick, Deduct	-23.23	
			For 125 mils Thick, Add	29.87	
32 17 23 33-0035	EA		13' Arrow With Single (L or R) Turn Arrow, Type VII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	252.59	
			For 60 mils Thick, Deduct	-14.93	
			For 125 mils Thick, Add	19.20	
32 17 23 33-0036	EA		15' Arrow With Both (L and R) Turn Arrows, Type VIII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	336.79	
			For 60 mils Thick, Deduct	-19.91	
			For 125 mils Thick, Add	25.60	
32 17 23 33-0037	EA		5' Arrow, Bike Lane, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	65.49	
			For 60 mils Thick, Deduct	-3.87	
			For 125 mils Thick, Add	4.98	
32 17 23 33-0038			Thermoplastic Reflective Pavement Striping By Hand For Repairs (32 17 23 33-0001)		
32 17 23 33-0039	LF		Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	2.45	
			For 60 mils Thick, Deduct	-0.15	
			For 125 mils Thick, Add	0.20	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0040	LF		Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....3.10 <i>For 60 mils Thick, Deduct</i> -0.23 <i>For 125 mils Thick, Add</i> 0.29		
32 17 23 33-0041	LF		Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....3.82 <i>For 60 mils Thick, Deduct</i> -0.30 <i>For 125 mils Thick, Add</i> 0.39		
32 17 23 33-0042	LF		Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....5.51 <i>For 60 mils Thick, Deduct</i> -0.46 <i>For 125 mils Thick, Add</i> 0.59		
32 17 23 33-0043	LF		Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....9.92 <i>For 60 mils Thick, Deduct</i> -0.91 <i>For 125 mils Thick, Add</i> 1.17		
<b>32 17 23 33-0044</b>			<b>Preformed, Patterned Reflective Pavement Marking Tape</b> <small>(32 17 23 33-0001)</small> Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).		
32 17 23 33-0045	LF		Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping.....2.40 Note: Includes yellow or white. <i>For Up To 5,000 LF, Add</i> 0.48 <i>For &gt;25,000 LF, Deduct</i> -0.36		
32 17 23 33-0046	LF		Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping.....3.55 Note: Includes yellow or white. <i>For Up To 5,000 LF, Add</i> 0.71 <i>For &gt;25,000 LF, Deduct</i> -0.53		
32 17 23 33-0047	LF		Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping.....4.72 Note: Includes yellow or white. <i>For Up To 5,000 LF, Add</i> 0.94 <i>For &gt;25,000 LF, Deduct</i> -0.71		
32 17 23 33-0048	LF		Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping.....6.98 Note: Includes yellow or white. <i>For Up To 5,000 LF, Add</i> 1.40 <i>For &gt;25,000 LF, Deduct</i> -1.05		
32 17 23 33-0049	SF		Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape .....19.26 Note: Includes yellow or white.		
32 17 23 33-0050	EA		6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....28.61 <i>For &lt;10, Add</i> 0.92 <i>For &gt;50 To 100, Deduct</i> -0.46 <i>For &gt;100 To 200, Deduct</i> -0.61 <i>For &gt;200, Deduct</i> -1.22		
32 17 23 33-0051	EA		12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....50.56 <i>For &lt;10, Add</i> 1.16 <i>For &gt;50 To 100, Deduct</i> -0.58 <i>For &gt;100 To 200, Deduct</i> -0.78 <i>For &gt;200, Deduct</i> -1.55		
32 17 23 33-0052	EA		24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....86.83 <i>For &lt;10, Add</i> 2.31 <i>For &gt;50 To 100, Deduct</i> -1.15 <i>For &gt;100 To 200, Deduct</i> -1.54 <i>For &gt;200, Deduct</i> -3.07		
32 17 23 33-0053	EA		36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....125.21 <i>For &lt;10, Add</i> 4.61 <i>For &gt;50 To 100, Deduct</i> -2.31 <i>For &gt;100 To 200, Deduct</i> -3.08 <i>For &gt;200, Deduct</i> -6.15		
32 17 23 33-0054	EA		48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....146.79 <i>For &lt;10, Add</i> 5.17 <i>For &gt;50 To 100, Deduct</i> -2.59 <i>For &gt;100 To 200, Deduct</i> -3.45 <i>For &gt;200, Deduct</i> -6.90		
32 17 23 33-0055	EA		72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....187.60 <i>For &lt;10, Add</i> 9.20 <i>For &gt;50 To 100, Deduct</i> -4.60 <i>For &gt;100 To 200, Deduct</i> -6.14 <i>For &gt;200, Deduct</i> -12.27		
32 17 23 33-0056	EA		96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....239.10 <i>For &lt;10, Add</i> 12.36 <i>For &gt;50 To 100, Deduct</i> -6.18 <i>For &gt;100 To 200, Deduct</i> -8.24 <i>For &gt;200, Deduct</i> -16.48		
32 17 23 33-0057	EA		120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....299.73 <i>For &lt;10, Add</i> 15.32 <i>For &gt;50 To 100, Deduct</i> -7.66 <i>For &gt;100 To 200, Deduct</i> -10.21 <i>For &gt;200, Deduct</i> -20.42		
32 17 23 33-0058	SF		Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....19.86		
32 17 23 33-0059	SF		Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....20.98 Note: Handicap, railroad, diamond symbol, etc.		
<b>32 17 23 33-0060</b>			<b>Preformed, Thermoplastic Reflective Pavement Marking</b> <small>(32 17 23 33-0001)</small> Note: Heat applied. (Flint PreMark or HotTape Series).		
32 17 23 33-0061	EA		Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....229.05 Note: Approximate overall dimensions: 4' width x 8' height.		
32 17 23 33-0062	EA		Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....606.45 Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
32 17 23 33-0063	EA		Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....125.69 Note: Approximate overall dimensions: 3-1/4' width x 13' height.		
32 17 23 33-0064	EA		6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....108.18 Note: Approximate overall dimensions: 2' width x 6' height.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0065	EA		9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....202.49 Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.		
32 17 23 33-0066	EA		4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....123.85 Note: Approximate overall dimensions: 3' width x 4' height.		
32 17 23 33-0067	EA		8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....224.39 Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 33-0068	EA		Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....377.65 Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.		
32 17 23 33-0069	EA		Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....563.98 Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.		
32 17 23 33-0070	EA		Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....209.80 Note: Approximate overall dimensions: 1-2/3' width x 12' height.		
32 17 23 33-0071	EA		Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....231.70 Note: Approximate overall dimensions: 3' width x 12' height.		
32 17 23 33-0072	EA		Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....418.63 Note: Approximate overall dimensions: 5-1/2' width x 20' height.		
32 17 23 33-0073	EA		Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....385.85 Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
32 17 23 33-0074	EA		Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....388.09 Note: Approximate overall dimensions: 5-1/2' width x 20' height.		
32 17 23 33-0075	EA		Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....527.68 Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
32 17 23 33-0076			<b>Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas</b> <small>(32 17 23 33)</small>		
32 17 23 33-0077			<b>Thermoplastic Pavement Marking Symbols For Parking Areas</b> <small>(32 17 23 33-0076)</small> Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0078	EA		28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....80.16 Note: White or blue symbol. Excludes striping.		
32 17 23 33-0079	EA		39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....289.11		
32 17 23 33-0080	EA		40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....166.15 Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0081	EA		45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....198.81 Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0082	EA		48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....208.24		
32 17 26			<b>Tactile Warning Surfaces</b> <small>(32 17)</small>		
32 17 26 00-0001			<b>Vitrified Polymer Composite (VPC); (Armor Tile)</b> <small>(32 17 26)</small> Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002	SF		Surface Applied VPC Truncated Dome Detectable Warning Surface .....56.24 Note: Includes adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.		9.12
32 17 26 00-0003	SF		Embedded, VPC Truncated Dome Detectable Warning Surface .....44.39 Note: Also raised strips or directional bars. All colors.		9.12
32 17 26 00-0004			<b>Fiber-Reinforced, Polymermodified Cement And Coated With Acrylic Resin Emulsion (SatetyStep TD)</b> <small>(32 17 26)</small> Note: Pre-molded tactile dome sheet. All colors.		
32 17 26 00-0005	SF		Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT).....62.81 Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.		9.12
32 17 26 00-0006	SF		>15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT).....54.61 Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.		9.12
32 18			<b>Athletic and Recreational Surfacing</b> <small>(32 10)</small>		
32 18 16			<b>Synthetic Resilient Surfacing</b> <small>(32 18)</small>		
32 18 16 13			<b>Playground Protective Surfacing</b> <small>(32 18 16)</small>		
32 18 16 13-0001			<b>Tile Playground Surface Material</b> <small>(32 18 16 13)</small> Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		
32 18 16 13-0002	SF		1-3/4" Thick, Resilient Rubber Tile.....15.74 For Manufacturer's Standard Colors, Add 0.85 For Interlocking Tiles, Add 1.88 For Mechanically Fastened, Add 1.66 For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add 1.50		2.11
32 18 16 13-0003	SF		2" Thick, Resilient Rubber Tile .....16.14 For Manufacturer's Standard Colors, Add 0.85 For Interlocking Tiles, Add 1.88 For Mechanically Fastened, Add 1.74 For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add 1.50		2.23
32 18 16 13-0004	SF		2-1/4" Thick, Resilient Rubber Tile.....16.93 For Manufacturer's Standard Colors, Add 0.85 For Interlocking Tiles, Add 1.88 For Mechanically Fastened, Add 1.90 For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add 1.50		2.49

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0005	SF		2-1/2" Thick, Resilient Rubber Tile.....	17.72	2.76
			<i>For Manufacturer's Standard Colors, Add</i>	0.85	
			<i>For Interlocking Tiles, Add</i>	1.88	
			<i>For Mechanically Fastened, Add</i>	2.06	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0006	SF		2-3/4" Thick, Resilient Rubber Tile.....	19.72	3.02
			<i>For Manufacturer's Standard Colors, Add</i>	0.64	
			<i>For Interlocking Tiles, Add</i>	2.13	
			<i>For Mechanically Fastened, Add</i>	2.22	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0007	SF		3" Thick, Resilient Rubber Tile.....	20.60	3.32
			<i>For Manufacturer's Standard Colors, Add</i>	0.64	
			<i>For Interlocking Tiles, Add</i>	2.13	
			<i>For Mechanically Fastened, Add</i>	2.39	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0008	SF		3-1/4" Thick, Resilient Rubber Tile.....	21.50	3.62
			<i>For Manufacturer's Standard Colors, Add</i>	0.64	
			<i>For Interlocking Tiles, Add</i>	2.13	
			<i>For Mechanically Fastened, Add</i>	2.57	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0009	SF		3-1/2" Thick, Resilient Rubber Tile.....	23.56	3.87
			<i>For Manufacturer's Standard Colors, Add</i>	0.36	
			<i>For Interlocking Tiles, Add</i>	2.37	
			<i>For Mechanically Fastened, Add</i>	2.74	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0010	SF		4-1/2" Thick, Resilient Rubber Tile.....	24.35	4.18
			<i>For Manufacturer's Standard Colors, Add</i>	0.36	
			<i>For Interlocking Tiles, Add</i>	2.37	
			<i>For Mechanically Fastened, Add</i>	2.90	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0011	SF		4" Thick, Resilient Rubber Tile.....	25.22	4.42
			<i>For Manufacturer's Standard Colors, Add</i>	0.36	
			<i>For Interlocking Tiles, Add</i>	2.37	
			<i>For Mechanically Fastened, Add</i>	3.07	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0012	SF		4-1/2" Thick, Resilient Rubber Tile.....	28.93	4.97
			<i>For Manufacturer's Standard Colors, Add</i>	0.35	
			<i>For Interlocking Tiles, Add</i>	2.78	
			<i>For Mechanically Fastened, Add</i>	3.40	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
<b>32 18 16 13-0013</b>			<b>Loose Laid Playground Surface Material</b> <small>(32 18 16 13)</small>		
			Note: Excludes sub base.		
32 18 16 13-0014	SF		3" Loose Laid Wood Fiber Safety Surface.....	1.76	0.31
32 18 16 13-0015	SF		6" Loose Laid Wood Fiber Safety Surface.....	2.40	0.39
32 18 16 13-0016	SF		9" Loose Laid Wood Fiber Safety Surface.....	3.12	0.48
32 18 16 13-0017	SF		12" Loose Laid Wood Fiber Safety Surface.....	4.40	0.71
32 18 16 13-0018	SF		3" Loose Laid Synthetic Fiber Safety Surface.....	2.87	0.31
32 18 16 13-0019	SF		6" Loose Laid Synthetic Fiber Safety Surface.....	3.55	0.39
32 18 16 13-0020	SF		9" Loose Laid Synthetic Fiber Safety Surface.....	5.66	0.48
32 18 16 13-0021	SF		12" Loose Laid Synthetic Fiber Safety Surface.....	6.94	0.71
32 18 16 13-0022	SF		8" FIBAR System.....	11.52	1.18
			Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.		
32 18 16 13-0023	SF		12" FIBAR System.....	14.57	1.58
			Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.		
<b>32 18 16 13-0024</b>			<b>Poured In Place Playground Surfacing</b> <small>(32 18 16 13)</small>		
			Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.		
32 18 16 13-0025	SF		Up To 4' Critical Fall Height (1-3/4") Poured In Place Rubber Playground Surfacing.....	13.60	2.42
			<i>For Up To 2,000, Add</i>	3.14	
			<i>For &gt;2,000 To 3,000, Add</i>	2.20	
			<i>For &gt;3,000 To 4,000, Add</i>	1.49	
			<i>For &gt;4,000 To 5,000, Add</i>	0.95	
			<i>For &gt;5,000 To 7,000, Add</i>	0.39	
			<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.95	
			<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.41	
32 18 16 13-0026	SF		5' Critical Fall Height (2") Poured In Place Rubber Playground Surfacing.....	14.03	2.69
			<i>For Up To 2,000, Add</i>	3.23	
			<i>For &gt;2,000 To 3,000, Add</i>	2.27	
			<i>For &gt;3,000 To 4,000, Add</i>	1.54	
			<i>For &gt;4,000 To 5,000, Add</i>	0.98	
			<i>For &gt;5,000 To 7,000, Add</i>	0.40	
			<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.95	
			<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.41	
32 18 16 13-0027	SF		6' Critical Fall Height (2-1/2") Poured In Place Rubber Playground Surfacing.....	15.14	3.07
			<i>For Up To 2,000, Add</i>	3.49	
			<i>For &gt;2,000 To 3,000, Add</i>	2.45	
			<i>For &gt;3,000 To 4,000, Add</i>	1.66	
			<i>For &gt;4,000 To 5,000, Add</i>	1.06	
			<i>For &gt;5,000 To 7,000, Add</i>	0.44	
			<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.95	
			<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0028 SF 7' Critical Fall Height (3") Poured In Place Rubber Playground Surfacing .....	16.36	3.27
For Up To 2,000, Add	3.77	
For >2,000 To 3,000, Add	2.65	
For >3,000 To 4,000, Add	1.79	
For >4,000 To 5,000, Add	1.14	
For >5,000 To 7,000, Add	0.47	
For Aliphatic (Non Yellowing) Binder, Add	2.95	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.41	
32 18 16 13-0029 SF 8' Critical Fall Height (3-1/2") Poured In Place Rubber Playground Surfacing .....	17.56	3.44
For Up To 2,000, Add	4.05	
For >2,000 To 3,000, Add	2.84	
For >3,000 To 4,000, Add	1.92	
For >4,000 To 5,000, Add	1.23	
For >5,000 To 7,000, Add	0.50	
For Aliphatic (Non Yellowing) Binder, Add	2.95	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.41	
32 18 16 13-0030 SF 9' Critical Fall Height (4") Poured In Place Rubber Playground Surfacing .....	18.59	3.64
For Up To 2,000, Add	4.28	
For >2,000 To 3,000, Add	3.00	
For >3,000 To 4,000, Add	2.04	
For >4,000 To 5,000, Add	1.30	
For >5,000 To 7,000, Add	0.53	
For Aliphatic (Non Yellowing) Binder, Add	2.95	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.41	
32 18 16 13-0031 SF 10' Critical Fall Height (4-1/2") Poured In Place Rubber Playground Surfacing .....	19.79	3.84
For Up To 2,000, Add	4.56	
For >2,000 To 3,000, Add	3.20	
For >3,000 To 4,000, Add	2.17	
For >4,000 To 5,000, Add	1.38	
For >5,000 To 7,000, Add	0.57	
For Aliphatic (Non Yellowing) Binder, Add	2.95	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.41	
32 18 16 13-0032 SF 12' Critical Fall Height (5-1/2") Poured In Place Rubber Playground Surfacing .....	22.21	4.30
For Up To 2,000, Add	5.12	
For >2,000 To 3,000, Add	3.59	
For >3,000 To 4,000, Add	2.43	
For >4,000 To 5,000, Add	1.55	
For >5,000 To 7,000, Add	0.64	
For Aliphatic (Non Yellowing) Binder, Add	2.95	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.41	
32 18 16 13-0033 SF Top Only (1/2") Poured In Place Playground Surfacing .....	8.89	
Note: Not used with new surfacing system tasks.		
For Up To 2,000, Add	3.13	
For >2,000 To 3,000, Add	2.02	
For >3,000 To 4,000, Add	1.22	
For >4,000 To 5,000, Add	0.73	
For >5,000 To 7,000, Add	0.33	
For Aliphatic (Non Yellowing) Binder, Add	2.95	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.41	
32 18 16 13-0034 EA Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing.....	2,387.73	
<b>32 18 16 13-0035 Synthetic Playground Turf (Sporturf) (32 18 16 13)</b> Note: Excludes base preparation, aggregate, or drainage.		
32 18 16 13-0036 SF 60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929).....	7.66	
32 18 16 13-0037 SF 71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906).....	6.78	
32 18 16 13-0038 SF 2" Foam Padding (Sporturf) .....	4.43	
32 18 16 13-0039 CF Sand/Ruber Infill (Sporturf) .....	45.77	
<b>32 18 23 Athletic Surfacing (32 18)</b>		
<b>32 18 23 13 Baseball Field Surfacing (32 18 23)</b>		
<b>32 18 23 13-0001 Clay Infield Maintenance (32 18 23 13)</b>		
32 18 23 13-0002 MSF Playing Field Maintenance (Clay - Nail Drag) .....	10.05	
32 18 23 13-0003 MSF Playing Field Maintenance (Clay - Screen Drag) .....	10.05	
32 18 23 13-0004 CY Playing Field Maintenance Of Clay.....	83.99	
32 18 23 13-0005 Ton Medium Pro Baseball Infield Mix (Diamond Select 60/40 Pro Infield Mix).....	133.32	
<b>32 18 23 23 Field Sport Surfacing (32 18 23)</b>		
<b>32 18 23 23-0001 Turf Field Maintenance (32 18 23 23)</b>		
32 18 23 23-0002 ACR Turf Aeration (Minimum 6" Penetration).....	135.34	
32 18 23 23-0003 MSF Top Dressing 1/8" - 1/4" Sand.....	12.79	
32 18 23 23-0004 BAG Envirofill, 50 LB Bag.....	97.78	
<b>32 18 23 29 Synthetic Field Sport Surfacing (32 18 23)</b>		
<b>32 18 23 29-0001 Synthetic Turf (32 18 23 29)</b>		
<b>32 18 23 29-0002 Synthetic Turf (AstroTurf) (32 18 23 29-0001)</b> Note: Tasks include labor, equipment and material required to install the task.		

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0003			Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0004			38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0005	SF		38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38) .....	6.11	
			<i>For Ambient Rubber And Sand Infill, Add</i> .....	0.10	
			<i>For Cryo Rubber Infill, Add</i> .....	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> .....	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i> .....	0.36	
32 18 23 29-0006	EA		Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields .....	18,924.98	
32 18 23 29-0007	EA		Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields .....	15,425.64	
32 18 23 29-0008	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields .....	4,641.98	
			Note: Per sport.		
32 18 23 29-0009	EA		Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields.....	1,713.96	
			Note: Per letter. Excludes outline.		
32 18 23 29-0010	EA		Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields.....	1,642.54	
			Note: Per endzone.		
32 18 23 29-0011	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields.....	14,283.00	
			Note: Block letter.		
32 18 23 29-0012	EA		Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields .....	20,710.35	
			Note: Graphic.		
32 18 23 29-0013			41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0014	SF		41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41) .....	6.97	
			<i>For Ambient Rubber And Sand Infill, Add</i> .....	0.10	
			<i>For Cryo Rubber Infill, Add</i> .....	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> .....	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i> .....	0.36	
32 18 23 29-0015	EA		Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields .....	19,282.17	
32 18 23 29-0016	EA		Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields .....	15,997.06	
32 18 23 29-0017	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields .....	4,999.08	
			Note: Per sport.		
32 18 23 29-0018	EA		Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields.....	1,856.80	
			Note: Per letter. Excludes outline.		
32 18 23 29-0019	EA		Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields.....	1,713.97	
			Note: Per endzone.		
32 18 23 29-0020	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields.....	14,997.24	
			Note: Block letter.		
32 18 23 29-0021	EA		Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields .....	21,746.00	
			Note: Graphic.		
32 18 23 29-0022			45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0023	SF		45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45) .....	7.09	
			<i>For Ambient Rubber And Sand Infill, Add</i> .....	0.10	
			<i>For Cryo Rubber Infill, Add</i> .....	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> .....	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i> .....	0.36	
32 18 23 29-0024	EA		Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields .....	19,639.24	
32 18 23 29-0025	EA		Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields .....	17,282.53	
32 18 23 29-0026	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields .....	5,356.16	
			Note: Per sport.		
32 18 23 29-0027	EA		Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields.....	1,999.63	
			Note: Per letter. Excludes outline.		
32 18 23 29-0028	EA		Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields.....	1,785.39	
			Note: Per endzone.		
32 18 23 29-0029	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields.....	15,711.39	
			Note: Block letter.		
32 18 23 29-0030	EA		Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields .....	22,781.52	
			Note: Graphic.		
32 18 23 29-0031			Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0032			52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0033	SF		52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52).....	7.90	
			<i>For Ambient Rubber And Sand Infill, Add</i> .....	0.10	
			<i>For Cryo Rubber Infill, Add</i> .....	0.20	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> .....	0.25	
			<i>For Cryo Rubber And Sand Infill, Add</i> .....	0.30	
32 18 23 29-0034	EA		Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields .....	20,353.28	
32 18 23 29-0035	EA		Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields .....	21,710.16	
32 18 23 29-0036	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields .....	6,070.28	
			Note: Per sport.		
32 18 23 29-0037	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	2,285.28	
			Note: Per letter. Excludes outline.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0038	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields ..... Note: Per endzone.	1,928.20	
32 18 23 29-0039	EA		Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields ..... Note: Block letter.	17,139.60	
32 18 23 29-0040	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields ..... Note: Graphic.	24,852.42	
<b>32 18 23 29-0041</b>			<b>60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) (32 18 23 29-0031)</b>		
32 18 23 29-0042	SF		60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60)..... <i>For Ambient Rubber And Sand Infill, Add</i> <i>For Cryo Rubber Infill, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> <i>For Cryo Rubber And Sand Infill, Add</i>	8.16 0.10 0.20 0.25 0.30	
32 18 23 29-0043	EA		Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields .....	20,710.35	
32 18 23 29-0044	EA		Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields .....	24,138.27	
32 18 23 29-0045	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields ..... Note: Per sport.	6,427.35	
32 18 23 29-0046	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Per letter. Excludes outline.	2,428.11	
32 18 23 29-0047	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields ..... Note: Per endzone.	1,999.62	
32 18 23 29-0048	EA		Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Block letter.	17,853.75	
32 18 23 29-0049	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Graphic.	25,887.94	
<b>32 18 23 29-0050</b>			<b>52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) (32 18 23 29-0031)</b>		
32 18 23 29-0051	SF		52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52) ..... <i>For Ambient Rubber And Sand Infill, Add</i> <i>For Cryo Rubber Infill, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> <i>For Cryo Rubber And Sand Infill, Add</i>	8.18 0.10 0.20 0.25 0.30	
32 18 23 29-0052	EA		Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	21,067.42	
32 18 23 29-0053	EA		Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	24,281.10	
32 18 23 29-0054	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields ..... Note: Per sport.	6,784.42	
32 18 23 29-0055	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields..... Note: Per letter. Excludes outline.	2,570.94	
32 18 23 29-0056	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields ..... Note: Per endzone.	2,071.04	
32 18 23 29-0057	EA		Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields ..... Note: Block letter.	18,567.90	
32 18 23 29-0058	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields..... Note: Graphic.	26,923.46	
<b>32 18 23 29-0059</b>			<b>60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) (32 18 23 29-0031)</b>		
32 18 23 29-0060	SF		60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60) ..... <i>For Ambient Rubber And Sand Infill, Add</i> <i>For Cryo Rubber Infill, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> <i>For Cryo Rubber And Sand Infill, Add</i>	8.32 0.10 0.20 0.25 0.30	
32 18 23 29-0061	EA		Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	21,424.50	
32 18 23 29-0062	EA		Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	25,852.23	
32 18 23 29-0063	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields ..... Note: Per sport.	7,141.50	
32 18 23 29-0064	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields..... Note: Per letter. Excludes outline.	2,856.60	
32 18 23 29-0065	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields ..... Note: Per endzone.	2,142.45	
32 18 23 29-0066	EA		Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields ..... Note: Block letter.	19,282.05	
32 18 23 29-0067	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields..... Note: Graphic.	27,958.97	
<b>32 18 23 29-0068</b>			<b>Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) (32 18 23 29-0002)</b>		
<b>32 18 23 29-0069</b>			<b>38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) (32 18 23 29-0068)</b>		
32 18 23 29-0070	SF		38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38)..... <i>For Ambient Rubber And Sand Infill, Add</i> <i>For Cryo Rubber Infill, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> <i>For Cryo Rubber And Sand Infill, Add</i>	6.71 0.10 0.26 0.31 0.36	
32 18 23 29-0071	EA		Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	18,210.93	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 18 23 29-0072	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	13,426.10	
32 18 23 29-0073	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields .....	3,927.85	
		Note: Per sport.		
32 18 23 29-0074	EA	Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields.....	1,428.31	
		Note: Per letter. Excludes outline.		
32 18 23 29-0075	EA	Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields .....	1,499.72	
		Note: Per endzone.		
32 18 23 29-0076	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	12,854.78	
		Note: Block letter.		
32 18 23 29-0077	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	18,639.43	
		Note: Graphic.		
<b>32 18 23 29-0078</b>		<b>42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) <small>(32 18 23 29-0068)</small></b>		
32 18 23 29-0079	SF	42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42).....	5.93	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.26	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0080	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	18,567.90	
32 18 23 29-0081	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	14,283.00	
32 18 23 29-0082	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields .....	4,284.90	
		Note: Per sport.		
32 18 23 29-0083	EA	Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields.....	1,571.13	
		Note: Per letter. Excludes outline.		
32 18 23 29-0084	EA	Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields .....	1,571.13	
		Note: Per endzone.		
32 18 23 29-0085	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	13,568.85	
		Note: Block letter.		
32 18 23 29-0086	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	19,674.83	
		Note: Graphic.		
<b>32 18 23 29-0087</b>		<b>Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) <small>(32 18 23 29-0002)</small></b>		
32 18 23 29-0088	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) .....	12.90	
32 18 23 29-0089	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®).....	11.59	
32 18 23 29-0090	EA	Football Markings For AstroTurf® PureGrass® Fields.....	35,238.64	
32 18 23 29-0091	EA	Baseball Markings For AstroTurf® PureGrass® Fields.....	41,864.72	
32 18 23 29-0092	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields .....	10,240.29	
		Note: Per sport.		
32 18 23 29-0093	EA	Endzone Lettering For AstroTurf® PureGrass® Fields.....	3,915.40	
		Note: Per letter. Excludes outline.		
32 18 23 29-0094	EA	Colored Endzone For AstroTurf® PureGrass® Fields .....	2,906.28	
		Note: Per endzone.		
32 18 23 29-0095	EA	Simple Logo For AstroTurf® PureGrass® Fields .....	26,156.52	
		Note: Block letter.		
32 18 23 29-0096	EA	Deluxe Logo For AstroTurf® PureGrass® Fields .....	38,401.09	
		Note: Graphic.		
<b>32 18 23 29-0097</b>		<b>Synthetic Turf (G9 Turf) <small>(32 18 23 29-0001)</small></b>		
		Note: Tasks include labor, equipment and material required to install the task.		
32 18 23 29-0098	SF	2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf).....	7.27	
		Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.		
		<i>For &gt;35,000, Deduct</i>	-0.66	
32 18 23 29-0099	SF	2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf) .....	7.20	
		Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.		
		<i>For &gt;35,000, Deduct</i>	-0.66	
32 18 23 29-0100	SF	1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf) .....	7.51	
		Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0101	EA	Football Inlays For G9 Synthetic Turf.....	48,715.33	
		Note: Includes field grid, numbers, arrows, coach's box and kick off lines.		
32 18 23 29-0102	EA	Soccer Inlays For G9 Synthetic Turf .....	21,109.98	
32 18 23 29-0103	EA	Boys Lacrosse Inlays For G9 Synthetic Turf .....	21,109.98	
32 18 23 29-0104	EA	Girls Lacrosse Inlays For G9 Synthetic Turf.....	21,109.98	
32 18 23 29-0105	EA	Field Hockey Inlays For G9 Synthetic Turf.....	21,109.98	
32 18 23 29-0106	EA	Endzone Lettering For G9 Synthetic Turf.....	2,435.77	
		Note: Priced per letter. Includes single color outlining.		
32 18 23 29-0107	SF	Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf.....	2.28	
32 18 23 29-0108	SF	Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf .....	5.95	
32 18 23 29-0109	SF	Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf .....	1.70	
32 18 23 29-0110	SF	Sand Infill For G9 Synthetic Turf .....	0.86	
32 18 23 29-0111	SF	Acrylic Coated Sand Infill For G9 Synthetic Turf .....	1.41	
32 18 23 29-0112	EA	Gmax Compaction And Hardness Test For G9 Synthetic Turf.....	1,623.84	
		Note: Includes a comprehensive report.		
32 18 23 29-0113	EA	Safety Bridge Over Track For G9 Synthetic Turf.....	16,238.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0114	SF		Clean And Groom Synthetic Turf .....0.53 Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc. For >10,000 To 30,000, Deduct -0.21 For >30,000 To 60,000, Deduct -0.37 For >60,000, Deduct -0.41		
32 18 23 29-0115	SF		Rejuvenate Synthetic Turf And Reinstall Existing Infill .....3.64 Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.		
32 18 23 29-0116	SF		Rejuvenate Synthetic Turf For Installation Of New Infill .....4.05 Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.		
32 18 23 29-0117	SF		Drainage Layer For G9 Synthetic Turf .....3.32 Note: Used for drainage over asphalt or on roof tops.		
32 18 23 29-0118	SF		15 mm, Shock Pad For G9 Synthetic Turf .....2.04 Note: Used for additional Gmax for a stone base field.		
32 18 23 29-0119	EA		Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf .....3,236.20 Note: Includes field inspection and report.		
32 18 23 29-0120	LF		Repair Inlay Lines Or Seams On G9 Synthetic Turf .....8.90 Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.		
32 18 23 29-0121	LF		Nailer Used To Attach G9 Synthetic Turf .....3.56		
32 18 23 29-0122	SF		Removal And Recycling Of Existing Field .....2.51 Note: Includes removal, shipping and recycling of infill, fibers and backing.		
<b>32 18 23 33 Running Track Surfacing (32 18 23)</b>					
32 18 23 33-0001			<b>Running Track Surfacing (32 18 23 33)</b>		
32 18 23 33-0002	SY		2-1/2" Asphaltic Concrete Running Track Surfacing .....26.35		
<b>32 18 23 33-0003 Running Track Seal And Colored Surfaces (32 18 23 33)</b>					
32 18 23 33-0004	SY		1 Seal Coat, Striping Of Track .....14.69 Note: Includes certification.		
<b>32 18 23 39 Synthetic Running Track Surfacing (32 18 23)</b>					
32 18 23 39-0001			<b>Synthetic Running Track Surfacing (XPLODE™) And Striping (32 18 23 39)</b> Note: Includes labor, equipment and material required to install the task. Excludes asphalt base.		
32 18 23 39-0002	SY		Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing (XPLODE™ M100) .....50.92 For Up To 4,000, Add 17.82 For >5,500, Deduct -5.60	6.01	
32 18 23 39-0003	SY		Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing (XPLODE™ MS200) .....68.34 For Up To 4,000, Add 23.92 For >5,500, Deduct -7.52 For Custom Color Upgrade, Add 6.49 For Aliphatic Top Coating, Add 12.30	6.01	
32 18 23 39-0004	SY		Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing (XPLODE™ MSX500) .....114.85 For Up To 4,000, Add 40.20 For >5,500, Deduct -6.89 For Custom Color Upgrade, Add 8.84 For Aliphatic Top Coating, Add 16.42	6.01	
32 18 23 39-0005	SY		Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing (XPLODE™ MSX5000) .....148.36 For Up To 4,000, Add 51.93 For >5,500, Deduct -8.90 For Custom Color Upgrade, Add 11.57 For Aliphatic Top Coating, Add 16.91	6.01	
32 18 23 39-0006	SY		Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Lightning) .....46.39 For Up To 4,000, Add 16.24 For >5,500, Deduct -5.10		
32 18 23 39-0007	SY		Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Accelerator) .....52.21 For Up To 4,000, Add 18.27 For >5,500, Deduct -7.57		
32 18 23 39-0008	SY		Spray Retop XPLODE™ M100/MS200 Running Tracks .....45.86 For Up To 4,000, Add 16.05 For >5,500, Deduct -4.49		
32 18 23 39-0009	SY		Sandwich Retop XPLODE™ MSX500 Running Tracks .....88.77 For Up To 4,000, Add 31.07 For >5,500, Deduct -9.36		
32 18 23 39-0010	SY		Retop XPLODE™ Plexitrac® Lightning Running Tracks .....25.82 Note: Two layers. For Up To 4,000, Add 9.04 For >5,500, Deduct -4.27		
32 18 23 39-0011	SY		Retop XPLODE™ Plexitrac® Accelerator Running Tracks .....31.44 Note: Two layers. For Up To 4,000, Add 11.00 For >5,500, Deduct -4.27		
32 18 23 39-0012	EA		Restripe XPLODE™ Running Track .....10,673.44 Note: Includes two coats of acrylic resurfacer and two coats of color. For College Track Restriping, Add 1,940.62		

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 18 23 53 Tennis Court Surfacing (32 18 23)**

32 18 23 53-0001	Tennis Court Surfacing (32 18 23 53)	
	See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.	
32 18 23 53-0002	SY Tennis Court Bituminous Pavement, 2-1/2" Thick.....	25.23

**32 18 23 53-0003 Tennis Court Markings (32 18 23 53)**

32 18 23 53-0004	EA Paint Markings On Asphalt Tennis Court 2 Coats.....	399.55
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**32 18 23 56 Natural Tennis Court Surfacing (32 18 23)**

32 18 23 56-0001	SY Clay Tennis Court.....	34.21
32 18 23 56-0002	SY Tennis Court, Pulverized Natural Greenstone, Fast Dry.....	37.95
	Note: Includes 4" base.	
32 18 23 56-0003	SY Tennis Court, Rubber-Cork Base Resilient Pavement.....	18.14
32 18 23 56-0004	SY Resurface Clay Tennis Court.....	10.38
32 18 23 56-0005	SY Resurface Tennis Court, Pulverized Natural Greenstone.....	8.91
32 18 23 56-0006	SY Resurface Tennis Court, Resilient Pavement.....	7.59

**32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing (32 18 23)**

32 18 23 61-0001	100% Acrylic Athletic Surfacing System (Plexipave®) (32 18 23 61)	
	Note: Excludes asphalt or concrete sub base and repairs of sub base.	
32 18 23 61-0002	Surface Preparation For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)	
32 18 23 61-0003	SY 100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat.....	1.39
	Note: Includes ultra fine silica sand. Applied with rubber squeegee.	
32 18 23 61-0004	SY Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat.....	0.77
	Note: For previously uncoated portland cement concrete. Applied with broom.	
32 18 23 61-0005	SY Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat.....	1.99
	Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.	
32 18 23 61-0006	SY Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat.....	81.22
	Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.	

**32 18 23 61-0007 Surface Coatings For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)**

	Note: Standard colors include dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.	
32 18 23 61-0008	SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat.....	2.99
	Note: Includes ultra fine silica sand. Applied with rubber squeegee.	
	For Pacific Blue, Add	0.17
	For US Open Blue, Add	0.60
32 18 23 61-0009	SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat.....	2.40
	Note: Includes ultra fine silica sand. Applied with rubber squeegee.	
	For Pacific Blue, Add	0.12
	For US Open Blue, Add	0.43
32 18 23 61-0010	SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat.....	2.08
	Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.	
	For Pacific Blue, Add	0.10
	For US Open Blue, Add	0.34
32 18 23 61-0011	SY Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat.....	2.21
	Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.	
	For Pacific Blue, Add	0.06
	For US Open Or Australian Open Blue, Add	0.39
	For Pro Purple, Add	1.01

**32 18 23 61-0012 Line Striping For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)**

32 18 23 61-0013	SY Tennis Or Basketball Court Line Striping For Athletic Surfacing System, Per SY Of Court (California Products Plexipave® Hi-Hide Plexicolor®).....	1.31
	Note: Textured or non-textured highly reflective line marking paint.	

**32 18 23 61-0014 Cushion Coatings For Athletic Surfacing System (Plexipave® Plexicushion®) (32 18 23 61-0001)**

32 18 23 61-0015	SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat.....	4.99
	Note: Applied with rubber squeegee.	
32 18 23 61-0016	SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat.....	6.87
	Note: Applied with rubber squeegee.	
32 18 23 61-0017	SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat.....	5.89
	Note: Price per coat for third or additional coats. Applied with rubber squeegee.	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 18 23 61-0018	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat .....	4.37	
		Note: Applied with rubber squeegee.		
32 18 23 61-0019	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat .....	3.29	
		Note: Price per coat for second or additional coats. Applied with rubber squeegee.		
<b>32 18 23 61-0020</b>		<b>Resurface Athletic Court</b> <small>(32 18 23 61)</small>		
		Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0021	SY	Court Resurfacing System, 2 Coats Resurfacer, 2 Coats Color, And Sand (SealMaster) .....	2.08	

**32 30 Site Improvements** (32)

**32 31 Fences and Gates** (32 30)

**32 31 11 Gate Operators** (32 31)

**32 31 11 00-0001 Gate Operators** (32 31 11)

Note: Excludes gates, electrical connections, access controls and concrete foundation.

**32 31 11 00-0002 Swing Gate Actuator (DKS™ DoorKing®)** (32 31 11 00-0001)

**32 31 11 00-0003 Single Gate, Swing Gate Actuator** (32 31 11 00-0002)

32 31 11 00-0004	EA	Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) .....	1,520.42	188.52
		Note: Includes one primary operator with a 10' wide gate capacity.		
32 31 11 00-0005	EA	Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) .....	2,015.89	188.52
		Note: Includes one primary operator with a 14' wide gate capacity.		

**32 31 11 00-0006 Dual Gate, Swing Gate Actuator** (32 31 11 00-0002)

32 31 11 00-0007	EA	Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) .....	3,040.85	377.04
		Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.		
32 31 11 00-0008	EA	Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) .....	4,031.79	377.04
		Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.		

**32 31 11 00-0009 Swing Gate Operators (DKS™ DoorKing®)** (32 31 11 00-0001)

**32 31 11 00-0010 Single Gate, Swing Gate Operators** (32 31 11 00-0009)

32 31 11 00-0011	EA	400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050) .....	3,070.34	188.52
		Note: Includes one primary operator with a 10' wide and 400 LB gate capacity.		
32 31 11 00-0012	EA	500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100) .....	3,337.13	188.52
		Note: Includes one primary operator with a 14' wide and 500 LB gate capacity.		
32 31 11 00-0013	EA	700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) .....	4,518.63	188.52
		Note: Includes one primary operator with an 18' wide and 700 LB gate capacity.		
		<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0014	EA	800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) .....	5,115.73	188.52
		Note: Includes one primary operator with a 22' wide and 800 LB gate capacity.		
		<i>For 208/230/460 Volt AC, Add</i>	322.50	

**32 31 11 00-0015 Dual Gate, Swing Gate Operators** (32 31 11 00-0009)

32 31 11 00-0016	EA	400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050) .....	5,441.96	377.04
		Note: Includes one primary and one secondary operator each with a 10' wide and 400 LB gate capacity.		
32 31 11 00-0017	EA	500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100) .....	5,975.54	377.04
		Note: Includes one primary and one secondary operator each with a 14' wide and 500 LB gate capacity.		
32 31 11 00-0018	EA	700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) .....	8,325.82	377.04
		Note: Includes one primary and one secondary operator each with an 18' wide and 700 LB gate capacity.		
		<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0019	EA	800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) .....	9,634.36	377.04
		Note: Includes one primary and one secondary operator each with a 22' wide and 800 LB gate capacity.		
		<i>For 208/230/460 Volt AC, Add</i>	322.50	

**32 31 11 00-0020 Sliding Gate Operators (DKS™ DoorKing®)** (32 31 11 00-0001)

Note: Includes 20' of chain. See CSI section 32 31 11 00-0029 for additional chain over 20'.

32 31 11 00-0021	EA	300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050) .....	1,793.36	188.52
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0022	EA	1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100) .....	2,512.55	226.22
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0023	EA	1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150) .....	3,113.41	226.22
		Note: Includes operator, chain brackets, hardware and 20' of #40 chain.		
32 31 11 00-0024	EA	3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210) .....	4,068.66	263.93
		Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0025	EA		2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220).....	4,995.70	263.93
			Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0026	EA		5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230).....	6,822.20	301.63
			Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0027	EA		5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530).....	11,418.79	301.63
			Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0028	EA		10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550).....	19,374.08	339.34
			Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
<b>32 31 11 00-0029</b>			<b>Accessories For Gate Actuators And Operators (DKS™ DoorKing®)</b> (32 31 11 00-0001)		
32 31 11 00-0030	EA		Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410) .....	517.38	
32 31 11 00-0031	EA		Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409) .....	1,008.08	
32 31 11 00-0032	EA		Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601) .....	658.99	
32 31 11 00-0033	EA		Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031) .....	721.69	
32 31 11 00-0034	EA		Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020) .....	645.46	
32 31 11 00-0035	EA		Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310) .....	461.25	
32 31 11 00-0036	LF		#40 Chain For Sliding Gate Operators .....	6.33	
32 31 11 00-0037	LF		#41 Chain For Sliding Gate Operators .....	5.04	
32 31 11 00-0038	LF		#50 Chain For Sliding Gate Operators .....	7.04	
32 31 11 00-0039	LF		#60 Chain For Sliding Gate Operators .....	6.69	
32 31 11 00-0040	EA		Exterior Keypad Gate Operator (Linear AK-11) .....	533.45	120.57
<b>32 31 11 00-0041</b>			<b>Sliding Gate Operator (LiftMaster)</b> (32 31 11 00-0001)		
32 31 11 00-0042	EA		Up To 1,500 LB Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U) .....	2,486.76	226.22
			Note: Includes 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoods (LMRRUL) and 5' Resistive Safety Edge (S505AL).		
			For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add	168.32	
			For Plug-In Loop Detector Option (Liftmaster LOOPDETLM), Add	120.48	
			For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add	59.33	
			For 10 Watt Solar Panel (Liftmaster SP10W12V), Add	238.49	
			For Each Additional 10' Chain, Add	35.72	
<b>32 31 13</b>			<b>Chain Link Fences and Gates</b> (32 31)		
<b>32 31 13 13</b>			<b>Chain Link Fences and Gates</b> (32 31 13)		
<b>32 31 13 13-0001</b>			<b>Post Holes</b> (32 31 13 13)		
			Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0025 for core drilling in concrete, 02 41 19 13-0163 for core drilling in asphalt.		
<b>32 31 13 13-0002</b>			<b>Auger By Machine Fence Post Hole In Soil</b> (32 31 13 13-0001)		
32 31 13 13-0003	VLF		Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	8.50	
32 31 13 13-0004	VLF		2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	9.57	
32 31 13 13-0005	VLF		3" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	11.35	
32 31 13 13-0006	VLF		4" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	12.76	
32 31 13 13-0007	VLF		6" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	13.92	
32 31 13 13-0008	VLF		8" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	15.31	
32 31 13 13-0009	VLF		10" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	17.01	
32 31 13 13-0010	VLF		12" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	19.14	
32 31 13 13-0011	VLF		18" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	21.87	
32 31 13 13-0012	VLF		24" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	25.51	
32 31 13 13-0013	VLF		30" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	30.62	
32 31 13 13-0014	VLF		36" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	38.28	
<b>32 31 13 13-0015</b>			<b>Post Hole In Rock</b> (32 31 13 13-0001)		
32 31 13 13-0016	CF		Jackhammer Post Hole In Rock .....	62.83	
32 31 13 13-0017	CF		Rock Drill Post Hole In Rock .....	18.04	
<b>32 31 13 13-0018</b>			<b>Fill For Post Holes</b> (32 31 13 13-0001)		
<b>32 31 13 13-0019</b>			<b>Concrete Fill For Post Holes</b> (32 31 13 13-0018)		
32 31 13 13-0020	VLF		Up To 2-1/2" Diameter, Concrete Fill For Post Hole.....	4.88	
32 31 13 13-0021	VLF		2-1/2" Diameter, Concrete Fill For Post Hole .....	6.27	
32 31 13 13-0022	VLF		3" Diameter, Concrete Fill For Post Hole .....	6.89	
32 31 13 13-0023	VLF		4" Diameter, Concrete Fill For Post Hole .....	7.88	
32 31 13 13-0024	VLF		6" Diameter, Concrete Fill For Post Hole .....	11.10	
32 31 13 13-0025	VLF		8" Diameter, Concrete Fill For Post Hole .....	14.81	
32 31 13 13-0026	VLF		10" Diameter, Concrete Fill For Post Hole .....	18.11	
32 31 13 13-0027	VLF		12" Diameter, Concrete Fill For Post Hole .....	21.10	
32 31 13 13-0028	VLF		18" Diameter, Concrete Fill For Post Hole .....	28.65	
32 31 13 13-0029	VLF		24" Diameter, Concrete Fill For Post Hole .....	35.45	
32 31 13 13-0030	VLF		30" Diameter, Concrete Fill For Post Hole .....	42.07	
32 31 13 13-0031	VLF		36" Diameter, Concrete Fill For Post Hole .....	48.94	
<b>32 31 13 13-0032</b>			<b>Grout Fill For Post Holes</b> (32 31 13 13-0018)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0033	VLF		Up To 2-1/2" Diameter, Grout Fill For Post Hole.....	5.81	
32 31 13 13-0034	VLF		2-1/2" Diameter, Grout Fill For Post Hole.....	7.48	
32 31 13 13-0035	VLF		3" Diameter, Grout Fill For Post Hole.....	8.14	
32 31 13 13-0036	VLF		4" Diameter, Grout Fill For Post Hole.....	9.12	
32 31 13 13-0037	VLF		6" Diameter, Grout Fill For Post Hole.....	12.71	
32 31 13 13-0038	VLF		8" Diameter, Grout Fill For Post Hole.....	16.96	
32 31 13 13-0039	VLF		10" Diameter, Grout Fill For Post Hole.....	20.66	
32 31 13 13-0040	VLF		12" Diameter, Grout Fill For Post Hole.....	23.96	
32 31 13 13-0041	VLF		18" Diameter, Grout Fill For Post Hole.....	31.93	
32 31 13 13-0042	VLF		24" Diameter, Grout Fill For Post Hole.....	38.90	
32 31 13 13-0043	VLF		30" Diameter, Grout Fill For Post Hole.....	45.65	
32 31 13 13-0044	VLF		36" Diameter, Grout Fill For Post Hole.....	52.53	

32 31 13 13-0045 **Compacted Earth Fill For Post Holes** (32 31 13 13-0016)

32 31 13 13-0046	VLF		Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	4.19	
32 31 13 13-0047	VLF		2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	5.46	
32 31 13 13-0048	VLF		3" Diameter, Compacted Earth Fill For Post Hole.....	5.71	
32 31 13 13-0049	VLF		4" Diameter, Compacted Earth Fill For Post Hole.....	5.88	
32 31 13 13-0050	VLF		6" Diameter, Compacted Earth Fill For Post Hole.....	7.85	
32 31 13 13-0051	VLF		8" Diameter, Compacted Earth Fill For Post Hole.....	10.47	
32 31 13 13-0052	VLF		10" Diameter, Compacted Earth Fill For Post Hole.....	12.57	
32 31 13 13-0053	VLF		12" Diameter, Compacted Earth Fill For Post Hole.....	14.25	
32 31 13 13-0054	VLF		18" Diameter, Compacted Earth Fill For Post Hole.....	17.36	
32 31 13 13-0055	VLF		24" Diameter, Compacted Earth Fill For Post Hole.....	19.48	
32 31 13 13-0056	VLF		30" Diameter, Compacted Earth Fill For Post Hole.....	21.37	
32 31 13 13-0057	VLF		36" Diameter, Compacted Earth Fill For Post Hole.....	23.04	

32 31 13 13-0058 **Fence Posts** (32 31 13 13)

Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 13 13-0059 **Fence Posts** (32 31 13 13-0058)

32 31 13 13-0060 **1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel** (32 31 13 13-0059)

Note: Includes cap and accessories.

32 31 13 13-0061	LF		1-7/8" Galvanized H-beam Post, Up To 6' In Length.....	15.30	2.83
			<i>For Each Top Rail Fitting, Add</i>	0.85	
32 31 13 13-0062	LF		1-7/8" Galvanized H-beam Post, 7' To 10' In Length.....	14.50	2.41
			<i>For Each Top Rail Fitting, Add</i>	0.85	
32 31 13 13-0063	LF		1-7/8" Galvanized H-beam Post, 11' To 15' In Length.....	13.52	1.99
			<i>For Each Top Rail Fitting, Add</i>	0.85	
32 31 13 13-0064	LF		1-7/8" Galvanized H-beam Post, 16' To 20' In Length.....	12.72	1.57
			<i>For Each Top Rail Fitting, Add</i>	0.85	
32 31 13 13-0065	LF		1-7/8" Galvanized H-beam Post, 21' To 24' In Length.....	12.20	1.36
			<i>For Each Top Rail Fitting, Add</i>	0.85	
32 31 13 13-0066	LF		1-7/8" Galvanized H-beam Post, >24' In Length.....	11.38	0.94
			<i>For Each Top Rail Fitting, Add</i>	0.85	

32 31 13 13-0067 **Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal)** (32 31 13 13-0059)

Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0068	LF		Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	10.60	2.62
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.34	
			<i>For Vinyl Coated, Add</i>	3.22	
			<i>For Powder Coated, Add</i>	4.29	
			<i>For Aluminum Coated, Add</i>	6.70	
			<i>For Schedule 20, Deduct</i>	-1.07	
			<i>For Schedule 80, Add</i>	3.10	
32 31 13 13-0069	LF		7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	9.79	2.20
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.34	
			<i>For Vinyl Coated, Add</i>	3.22	
			<i>For Powder Coated, Add</i>	4.29	
			<i>For Aluminum Coated, Add</i>	6.70	
			<i>For Schedule 20, Deduct</i>	-1.07	
			<i>For Schedule 80, Add</i>	3.02	
32 31 13 13-0070	LF		11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	8.90	1.78
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.34	
			<i>For Vinyl Coated, Add</i>	3.22	
			<i>For Powder Coated, Add</i>	4.29	
			<i>For Aluminum Coated, Add</i>	6.70	
			<i>For Schedule 20, Deduct</i>	-1.07	
			<i>For Schedule 80, Add</i>	2.93	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0071	LF	16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post .....	8.19	1.36
			For Each Top Rail Fitting, Add	0.85	
			For Each Single Barbed Wire Arm, Add	1.90	
			For Each Double Barbed Wire Arm, Add	3.40	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.34	
			For Vinyl Coated, Add	3.22	
			For Powder Coated, Add	4.29	
			For Aluminum Coated, Add	6.70	
			For Schedule 20, Deduct	-1.07	
			For Schedule 80, Add	2.86	
32 31 13	13-0072	LF	21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post .....	7.73	1.15
			For Each Top Rail Fitting, Add	0.85	
			For Each Single Barbed Wire Arm, Add	1.90	
			For Each Double Barbed Wire Arm, Add	3.40	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.34	
			For Vinyl Coated, Add	3.22	
			For Powder Coated, Add	4.29	
			For Aluminum Coated, Add	6.70	
			For Schedule 20, Deduct	-1.07	
			For Schedule 80, Add	2.81	
32 31 13	13-0073	LF	>24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post .....	7.21	0.94
			For Each Top Rail Fitting, Add	0.85	
			For Each Single Barbed Wire Arm, Add	1.90	
			For Each Double Barbed Wire Arm, Add	3.40	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.34	
			For Vinyl Coated, Add	3.22	
			For Powder Coated, Add	4.29	
			For Aluminum Coated, Add	6.70	
			For Schedule 20, Deduct	-1.07	
			For Schedule 80, Add	2.76	
<b>32 31 13</b>	<b>13-0074</b>		<b>Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal)</b> <small>(32 31 13 13-0059)</small>		
			Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13	13-0075	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length .....	11.98	2.73
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.64	
			For Vinyl Coated, Add	3.93	
			For Powder Coated, Add	5.24	
			For Aluminum Coated, Add	8.19	
			For Schedule 20, Deduct	-1.31	
			For Schedule 80, Add	3.69	
32 31 13	13-0076	LF	2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length .....	11.25	2.31
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.64	
			For Vinyl Coated, Add	3.93	
			For Powder Coated, Add	5.24	
			For Aluminum Coated, Add	8.19	
			For Schedule 20, Deduct	-1.31	
			For Schedule 80, Add	3.61	
32 31 13	13-0077	LF	2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length .....	10.30	1.89
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.64	
			For Vinyl Coated, Add	3.93	
			For Powder Coated, Add	5.24	
			For Aluminum Coated, Add	8.19	
			For Schedule 20, Deduct	-1.31	
			For Schedule 80, Add	3.52	
32 31 13	13-0078	LF	2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length .....	9.55	1.47
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.64	
			For Vinyl Coated, Add	3.93	
			For Powder Coated, Add	5.24	
			For Aluminum Coated, Add	8.19	
			For Schedule 20, Deduct	-1.31	
			For Schedule 80, Add	3.44	
32 31 13	13-0079	LF	2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length .....	9.05	1.26
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.64	
			For Vinyl Coated, Add	3.93	
			For Powder Coated, Add	5.24	
			For Aluminum Coated, Add	8.19	
			For Schedule 20, Deduct	-1.31	
			For Schedule 80, Add	3.39	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0080	LF	2" Outside Diameter Galvanized Steel Post, >24' In Length	8.58	1.05
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.64	
			For Vinyl Coated, Add	3.93	
			For Powder Coated, Add	5.24	
			For Aluminum Coated, Add	8.19	
			For Schedule 20, Deduct	-1.31	
			For Schedule 80, Add	3.35	
32 31 13	13-0081		<b>Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal)</b> <small>(32 31 13 13-0059)</small>		
			Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13	13-0082	LF	2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	14.42	2.94
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.18	
			For Vinyl Coated, Add	5.22	
			For Powder Coated, Add	6.96	
			For Aluminum Coated, Add	10.88	
			For Schedule 20, Deduct	-1.74	
			For Schedule 80, Add	4.75	
32 31 13	13-0083	LF	2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	13.62	2.52
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.18	
			For Vinyl Coated, Add	5.22	
			For Powder Coated, Add	6.96	
			For Aluminum Coated, Add	10.88	
			For Schedule 20, Deduct	-1.74	
			For Schedule 80, Add	4.67	
32 31 13	13-0084	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	12.64	1.99
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.18	
			For Vinyl Coated, Add	5.22	
			For Powder Coated, Add	6.96	
			For Aluminum Coated, Add	10.88	
			For Schedule 20, Deduct	-1.74	
			For Schedule 80, Add	4.57	
32 31 13	13-0085	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	11.84	1.57
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.18	
			For Vinyl Coated, Add	5.22	
			For Powder Coated, Add	6.96	
			For Aluminum Coated, Add	10.88	
			For Schedule 20, Deduct	-1.74	
			For Schedule 80, Add	4.49	
32 31 13	13-0086	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length	11.32	1.36
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.18	
			For Vinyl Coated, Add	5.22	
			For Powder Coated, Add	6.96	
			For Aluminum Coated, Add	10.88	
			For Schedule 20, Deduct	-1.74	
			For Schedule 80, Add	4.44	
32 31 13	13-0087	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length	10.82	1.05
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.18	
			For Vinyl Coated, Add	5.22	
			For Powder Coated, Add	6.96	
			For Aluminum Coated, Add	10.88	
			For Schedule 20, Deduct	-1.74	
			For Schedule 80, Add	4.39	
32 31 13	13-0088		<b>Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal)</b> <small>(32 31 13 13-0059)</small>		
			Note: 3" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13	13-0089	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	19.30	3.14
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	3.25	
			For Vinyl Coated, Add	7.81	
			For Powder Coated, Add	10.41	
			For Aluminum Coated, Add	16.26	
			For Schedule 20, Deduct	-2.60	
			For Schedule 80, Add	6.87	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0090	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length .....	18.44	2.73
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	3.25	
			For Vinyl Coated, Add	7.81	
			For Powder Coated, Add	10.41	
			For Aluminum Coated, Add	16.26	
			For Schedule 20, Deduct	-2.60	
			For Schedule 80, Add	6.79	
32 31	13 13-0091	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length .....	17.38	2.20
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	3.25	
			For Vinyl Coated, Add	7.81	
			For Powder Coated, Add	10.41	
			For Aluminum Coated, Add	16.26	
			For Schedule 20, Deduct	-2.60	
			For Schedule 80, Add	6.68	
32 31	13 13-0092	LF	3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length .....	16.50	1.78
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	3.25	
			For Vinyl Coated, Add	7.81	
			For Powder Coated, Add	10.41	
			For Aluminum Coated, Add	16.26	
			For Schedule 20, Deduct	-2.60	
			For Schedule 80, Add	6.59	
32 31	13 13-0093	LF	3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length .....	15.92	1.47
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	3.25	
			For Vinyl Coated, Add	7.81	
			For Powder Coated, Add	10.41	
			For Aluminum Coated, Add	16.26	
			For Schedule 20, Deduct	-2.60	
			For Schedule 80, Add	6.54	
32 31	13 13-0094	LF	3" Outside Diameter Galvanized Steel Post, >24' In Length .....	15.38	1.15
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	3.25	
			For Vinyl Coated, Add	7.81	
			For Powder Coated, Add	10.41	
			For Aluminum Coated, Add	16.26	
			For Schedule 20, Deduct	-2.60	
			For Schedule 80, Add	6.48	
32 31	13 13-0095		<b>Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal)</b> <small>(32 31 13 13-0059)</small>		
			Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		
32 31	13 13-0096	LF	4" Outside Diameter Galvanized Steel Post, Up To 6' In Length .....	27.76	3.35
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	5.29	
			For Vinyl Coated, Add	12.68	
			For Powder Coated, Add	16.91	
			For Aluminum Coated, Add	26.43	
			For Schedule 20, Deduct	-4.23	
			For Schedule 80, Add	10.81	
32 31	13 13-0097	LF	4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length .....	26.66	2.73
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	5.29	
			For Vinyl Coated, Add	12.68	
			For Powder Coated, Add	16.91	
			For Aluminum Coated, Add	26.43	
			For Schedule 20, Deduct	-4.23	
			For Schedule 80, Add	10.70	
32 31	13 13-0098	LF	4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length .....	25.74	2.31
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	5.29	
			For Vinyl Coated, Add	12.68	
			For Powder Coated, Add	16.91	
			For Aluminum Coated, Add	26.43	
			For Schedule 20, Deduct	-4.23	
			For Schedule 80, Add	10.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0099	LF		4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length .....24.82	24.82	1.89
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	5.29	
			For Vinyl Coated, Add	12.68	
			For Powder Coated, Add	16.91	
			For Aluminum Coated, Add	26.43	
			For Schedule 20, Deduct	-4.23	
			For Schedule 80, Add	10.52	
32 31 13 13-0100	LF		4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length .....24.82	24.82	1.89
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	5.29	
			For Vinyl Coated, Add	12.68	
			For Powder Coated, Add	16.91	
			For Aluminum Coated, Add	26.43	
			For Schedule 20, Deduct	-4.23	
			For Schedule 80, Add	10.52	
32 31 13 13-0101	LF		4" Outside Diameter Galvanized Steel Post, >24' In Length .....23.76	23.76	1.36
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	5.29	
			For Vinyl Coated, Add	12.68	
			For Powder Coated, Add	16.91	
			For Aluminum Coated, Add	26.43	
			For Schedule 20, Deduct	-4.23	
			For Schedule 80, Add	10.41	
32 31 13 13-0102			<b>Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal)</b> (32 31 13 13-0059)		
			Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0103	LF		6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length .....52.17	52.17	3.67
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	11.21	
			For Vinyl Coated, Add	26.89	
			For Powder Coated, Add	35.86	
			For Aluminum Coated, Add	56.03	
			For Schedule 20, Deduct	-8.96	
			For Schedule 80, Add	22.25	
32 31 13 13-0104	LF		6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length .....50.99	50.99	3.04
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	11.21	
			For Vinyl Coated, Add	26.89	
			For Powder Coated, Add	35.86	
			For Aluminum Coated, Add	56.03	
			For Schedule 20, Deduct	-8.96	
			For Schedule 80, Add	22.13	
32 31 13 13-0105	LF		6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length .....49.94	49.94	2.52
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	11.21	
			For Vinyl Coated, Add	26.89	
			For Powder Coated, Add	35.86	
			For Aluminum Coated, Add	56.03	
			For Schedule 20, Deduct	-8.96	
			For Schedule 80, Add	22.03	
32 31 13 13-0106	LF		6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length .....48.90	48.90	1.99
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	11.21	
			For Vinyl Coated, Add	26.89	
			For Powder Coated, Add	35.86	
			For Aluminum Coated, Add	56.03	
			For Schedule 20, Deduct	-8.96	
			For Schedule 80, Add	21.92	
32 31 13 13-0107	LF		6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length .....48.31	48.31	1.78
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	11.21	
			For Vinyl Coated, Add	26.89	
			For Powder Coated, Add	35.86	
			For Aluminum Coated, Add	56.03	
			For Schedule 20, Deduct	-8.96	
			For Schedule 80, Add	21.86	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0108	LF 6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	47.73	1.47
	For Each Top Rail Fitting, Add	4.55	
	For Each Single Barbed Wire Arm, Add	7.15	
	For Each Double Barbed Wire Arm, Add	14.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	11.21	
	For Vinyl Coated, Add	26.89	
	For Powder Coated, Add	35.86	
	For Aluminum Coated, Add	56.03	
	For Schedule 20, Deduct	-8.96	
	For Schedule 80, Add	21.80	
<b>32 31 13 13-0109</b>	<b>Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal)</b> (32 31 13 13-0059)		
	Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0110	LF 8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length .....	100.02	4.09
	For Each Top Rail Fitting, Add	7.50	
	For Each Single Barbed Wire Arm, Add	9.15	
	For Each Double Barbed Wire Arm, Add	18.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	22.96	
	For Vinyl Coated, Add	55.11	
	For Powder Coated, Add	73.48	
	For Aluminum Coated, Add	114.81	
	For Schedule 20, Deduct	-18.37	
	For Schedule 80, Add	44.91	
32 31 13 13-0111	LF 8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length .....	98.68	3.46
	For Each Top Rail Fitting, Add	7.50	
	For Each Single Barbed Wire Arm, Add	9.15	
	For Each Double Barbed Wire Arm, Add	18.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	22.96	
	For Vinyl Coated, Add	55.11	
	For Powder Coated, Add	73.48	
	For Aluminum Coated, Add	114.81	
	For Schedule 20, Deduct	-18.37	
	For Schedule 80, Add	44.77	
32 31 13 13-0112	LF 8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length .....	97.52	2.83
	For Each Top Rail Fitting, Add	7.50	
	For Each Single Barbed Wire Arm, Add	9.15	
	For Each Double Barbed Wire Arm, Add	18.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	22.96	
	For Vinyl Coated, Add	55.11	
	For Powder Coated, Add	73.48	
	For Aluminum Coated, Add	114.81	
	For Schedule 20, Deduct	-18.37	
	For Schedule 80, Add	44.66	
32 31 13 13-0113	LF 8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length .....	96.34	2.20
	For Each Top Rail Fitting, Add	7.50	
	For Each Single Barbed Wire Arm, Add	9.15	
	For Each Double Barbed Wire Arm, Add	18.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	22.96	
	For Vinyl Coated, Add	55.11	
	For Powder Coated, Add	73.48	
	For Aluminum Coated, Add	114.81	
	For Schedule 20, Deduct	-18.37	
	For Schedule 80, Add	44.54	
32 31 13 13-0114	LF 8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length .....	95.73	1.89
	For Each Top Rail Fitting, Add	7.50	
	For Each Single Barbed Wire Arm, Add	9.15	
	For Each Double Barbed Wire Arm, Add	18.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	22.96	
	For Vinyl Coated, Add	55.11	
	For Powder Coated, Add	73.48	
	For Aluminum Coated, Add	114.81	
	For Schedule 20, Deduct	-18.37	
	For Schedule 80, Add	44.48	
32 31 13 13-0115	LF 8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length .....	95.09	1.57
	For Each Top Rail Fitting, Add	7.50	
	For Each Single Barbed Wire Arm, Add	9.15	
	For Each Double Barbed Wire Arm, Add	18.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	22.96	
	For Vinyl Coated, Add	55.11	
	For Powder Coated, Add	73.48	
	For Aluminum Coated, Add	114.81	
	For Schedule 20, Deduct	-18.37	
	For Schedule 80, Add	44.41	
<b>32 31 13 13-0116</b>	<b>Driven Post Supports</b> (32 31 13 13)		
	Note: OZ-Post.		
<b>32 31 13 13-0117</b>	<b>Driven Post Support For Round Chain Link Fence Posts</b> (32 31 13 13-0116)		
32 31 13 13-0118	EA 26" Driven Post Support For 1-5/8" Round Chain Link Fence Post.....	59.73	
	Note: OZ-Post GB-700.		
32 31 13 13-0119	EA 26" Driven Post Support For 1-7/8" To 2" Round Chain Link Fence Post.....	59.73	
	Note: OZ-Post HB-700.		
32 31 13 13-0120	EA 26" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post.....	61.06	
	Note: OZ-Post IS-600.		
32 31 13 13-0121	EA 32" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post.....	73.74	
	Note: OZ-Post ISW-850.		
<b>32 31 13 13-0122</b>	<b>Driven Post Support For Square Ornamental Fence Posts</b> (32 31 13 13-0116)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0123	EA		34" Driven Post Support For 1-3/4" Square Ornamental Fence Post..... Note: OZ-Post C175-850.	69.73	
32 31 13 13-0124	EA		24" Driven Post Support For 2" Square Ornamental Fence Post..... Note: OZ-Post I2-600.	67.73	
32 31 13 13-0125	EA		34" Driven Post Support For 2" Square Ornamental Fence Post..... Note: OZ-Post I2-850.	70.13	
32 31 13 13-0126	EA		34" Driven Post Support For 2-1/2" Square Ornamental Fence Post..... Note: OZ-Post I25-850.	73.74	
32 31 13 13-0127	EA		34" Driven Post Support For 3" Square Ornamental Fence Post..... Note: OZ-Post I3-850.	73.74	
<b>32 31 13 13-0128</b>			<b>Driven Post Support For Wooden Fence Posts</b> (32 31 13 13-0116)		
32 31 13 13-0129	EA		24" Driven Post Support For 3-1/2" Square Wooden Fence Post..... Note: OZ-Post T4-600.	66.84	
32 31 13 13-0130	EA		34" Driven Post Support For 3-1/2" Square Wooden Fence Post..... Note: OZ-Post T4-850.	71.73	
32 31 13 13-0131	EA		34" Driven Post Support For 3-3/4" Square Wooden Fence Post..... Note: OZ-Post C4-850.	76.40	
32 31 13 13-0132	EA		34" Driven Post Support For 4" Square Wooden Fence Post..... Note: OZ-Post P4-850.	76.41	
32 31 13 13-0133	EA		36" Driven Post Support For 4" x 6" Wooden Fence Post..... Note: OZ-Post T46-850.	85.09	
32 31 13 13-0134	EA		36" Driven Post Support For 6" Square Wooden Fence Post..... Note: OZ-Post T6-850.	91.22	
<b>32 31 13 13-0135</b>			<b>Driven Post Support For Vinyl Fence Posts</b> (32 31 13 13-0116)		
32 31 13 13-0136	EA		24" Driven Post Support For 3-1/2" Square Vinyl Fence Post..... Note: OZ-Post T4-600.	66.84	
32 31 13 13-0137	EA		34" Driven Post Support For 3-1/2" Square Vinyl Fence Post..... Note: OZ-Post T4-850.	71.73	
32 31 13 13-0138	EA		34" Driven Post Support For 4" Square Vinyl Fence Post..... Note: OZ-Post P4-850.	76.41	
32 31 13 13-0139	EA		34" Driven Post Support For 5" Square Vinyl Fence Post..... Note: OZ-Post P4-850.	77.47	
<b>32 31 13 13-0140</b>			<b>Chain Link Fence Assemblies</b> (32 31 13 13)		
<b>32 31 13 13-0141</b>			<b>Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts</b> (32 31 13 13-0140)		
			Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Excludes grounding. Demolition excludes concrete footing removal on posts and excavation. See CSI section 26 05 26 00-0000 for grounding, 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0697 for barb wire attachments.		
<b>32 31 13 13-0142</b>			<b>Galvanized</b> (32 31 13 13-0141)		
32 31 13 13-0143	LF		3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	30.90	3.56
			For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	2.24	
			For 13 Gauge Fabric, Deduct	-5.89	
			For 11 Gauge Fabric, Deduct	-3.44	
			For 6 Gauge Fabric, Add	5.40	
			For 1" Mesh Fabric, Add	7.37	
			For 1-3/4" Mesh Fabric, Add	2.95	
			For 2-1/8" Mesh Fabric, Deduct	-1.47	
			For 2-3/8" Mesh Fabric, Deduct	-1.97	
			For Posts 8' On Centers, Add	1.71	
			For Posts 5' On Centers, Add	6.47	
			For Up To 100, Add	6.03	
			For >100 To 250, Add	2.24	
			For >2,500 To 5,000, Deduct	-1.12	
			For >5,000, Deduct	-2.24	
32 31 13 13-0144	LF		3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	32.12	3.56
			For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	2.32	
			For 13 Gauge Fabric, Deduct	-6.23	
			For 11 Gauge Fabric, Deduct	-3.64	
			For 6 Gauge Fabric, Add	5.72	
			For 1" Mesh Fabric, Add	7.80	
			For 1-3/4" Mesh Fabric, Add	3.12	
			For 2-1/8" Mesh Fabric, Deduct	-1.56	
			For 2-3/8" Mesh Fabric, Deduct	-2.08	
			For Posts 8' On Centers, Add	1.78	
			For Posts 5' On Centers, Add	6.70	
			For Up To 100, Add	6.24	
			For >100 To 250, Add	2.32	
			For >2,500 To 5,000, Deduct	-1.16	
			For >5,000, Deduct	-2.32	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0145	LF 4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	33.19	3.56
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.38	
			<i>For 13 Gauge Fabric, Deduct</i>	-6.53	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.81	
			<i>For 6 Gauge Fabric, Add</i>	5.99	
			<i>For 1" Mesh Fabric, Add</i>	8.17	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.27	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.63	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.18	
			<i>For Posts 8' On Centers, Add</i>	1.83	
			<i>For Posts 5' On Centers, Add</i>	6.91	
			<i>For Up To 100, Add</i>	6.42	
			<i>For &gt;100 To 250, Add</i>	2.38	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.19	
			<i>For &gt;5,000, Deduct</i>	-2.38	
32 31	13	13-0146	LF 5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	35.68	3.56
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.53	
			<i>For 13 Gauge Fabric, Deduct</i>	-7.23	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.22	
			<i>For 6 Gauge Fabric, Add</i>	6.64	
			<i>For 1" Mesh Fabric, Add</i>	9.05	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.62	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.81	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.41	
			<i>For Posts 8' On Centers, Add</i>	1.96	
			<i>For Posts 5' On Centers, Add</i>	7.39	
			<i>For Up To 100, Add</i>	6.84	
			<i>For &gt;100 To 250, Add</i>	2.53	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.26	
			<i>For &gt;5,000, Deduct</i>	-2.53	
32 31	13	13-0147	LF 6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	38.69	3.56
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.73	
			<i>For 13 Gauge Fabric, Deduct</i>	-7.94	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.64	
			<i>For 6 Gauge Fabric, Add</i>	7.29	
			<i>For 1" Mesh Fabric, Add</i>	9.94	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.98	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.99	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.65	
			<i>For Posts 8' On Centers, Add</i>	2.12	
			<i>For Posts 5' On Centers, Add</i>	7.99	
			<i>For Up To 100, Add</i>	7.39	
			<i>For &gt;100 To 250, Add</i>	2.73	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.36	
			<i>For &gt;5,000, Deduct</i>	-2.73	
32 31	13	13-0148	LF 7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	40.28	5.35
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.84	
			<i>For 13 Gauge Fabric, Deduct</i>	-8.29	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.84	
			<i>For 6 Gauge Fabric, Add</i>	7.61	
			<i>For 1" Mesh Fabric, Add</i>	10.37	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.15	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.07	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.77	
			<i>For Posts 8' On Centers, Add</i>	2.21	
			<i>For Posts 5' On Centers, Add</i>	8.32	
			<i>For Up To 100, Add</i>	7.69	
			<i>For &gt;100 To 250, Add</i>	2.84	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.42	
			<i>For &gt;5,000, Deduct</i>	-2.84	
32 31	13	13-0149	LF 8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	45.49	6.24
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.15	
			<i>For 13 Gauge Fabric, Deduct</i>	-9.73	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.68	
			<i>For 6 Gauge Fabric, Add</i>	8.93	
			<i>For 1" Mesh Fabric, Add</i>	12.18	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.87	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.44	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.25	
			<i>For Posts 8' On Centers, Add</i>	2.48	
			<i>For Posts 5' On Centers, Add</i>	9.33	
			<i>For Up To 100, Add</i>	8.57	
			<i>For &gt;100 To 250, Add</i>	3.15	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.57	
			<i>For &gt;5,000, Deduct</i>	-3.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0150	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	48.56	8.02
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.34	
			<i>For 13 Gauge Fabric, Deduct</i>	-10.50	
			<i>For 11 Gauge Fabric, Deduct</i>	-6.14	
			<i>For 6 Gauge Fabric, Add</i>	9.64	
			<i>For 1" Mesh Fabric, Add</i>	13.15	
			<i>For 1-3/4" Mesh Fabric, Add</i>	5.26	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.63	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.51	
			<i>For Posts 8' On Centers, Add</i>	2.65	
			<i>For Posts 5' On Centers, Add</i>	9.93	
			<i>For Up To 100, Add</i>	9.12	
			<i>For &gt;100 To 250, Add</i>	3.34	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.67	
			<i>For &gt;5,000, Deduct</i>	-3.34	
32 31 13	13-0151	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	51.64	8.91
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.54	
			<i>For 13 Gauge Fabric, Deduct</i>	-11.28	
			<i>For 11 Gauge Fabric, Deduct</i>	-6.59	
			<i>For 6 Gauge Fabric, Add</i>	10.36	
			<i>For 1" Mesh Fabric, Add</i>	14.12	
			<i>For 1-3/4" Mesh Fabric, Add</i>	5.65	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.82	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.77	
			<i>For Posts 8' On Centers, Add</i>	2.81	
			<i>For Posts 5' On Centers, Add</i>	10.54	
			<i>For Up To 100, Add</i>	9.66	
			<i>For &gt;100 To 250, Add</i>	3.54	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.77	
			<i>For &gt;5,000, Deduct</i>	-3.54	
32 31 13	13-0152	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	57.38	10.69
			<i>For Each Additional Foot &gt;12, Add</i>	3.83	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.91	
			<i>For 13 Gauge Fabric, Deduct</i>	-12.72	
			<i>For 11 Gauge Fabric, Deduct</i>	-7.43	
			<i>For 6 Gauge Fabric, Add</i>	11.68	
			<i>For 1" Mesh Fabric, Add</i>	15.93	
			<i>For 1-3/4" Mesh Fabric, Add</i>	6.37	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.19	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.25	
			<i>For Posts 8' On Centers, Add</i>	3.12	
			<i>For Posts 5' On Centers, Add</i>	11.68	
			<i>For Up To 100, Add</i>	10.68	
			<i>For &gt;100 To 250, Add</i>	3.91	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.95	
			<i>For &gt;5,000, Deduct</i>	-3.91	
32 31 13	13-0153		<b>Vinyl Coated</b> <small>(32 31 13 13-0141)</small>		
32 31 13	13-0154	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	34.46	3.56
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.01	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.44	
			<i>For 13 Gauge Fabric, Deduct</i>	-6.97	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.07	
			<i>For 6 Gauge Fabric, Add</i>	6.40	
			<i>For 1" Mesh Fabric, Add</i>	8.72	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.49	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.74	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.33	
			<i>For Posts 8' On Centers, Add</i>	1.90	
			<i>For Posts 5' On Centers, Add</i>	7.14	
			<i>For Up To 100, Add</i>	6.61	
			<i>For &gt;100 To 250, Add</i>	2.44	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.22	
			<i>For &gt;5,000, Deduct</i>	-2.44	
32 31 13	13-0155	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	37.28	3.56
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.36	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.61	
			<i>For 13 Gauge Fabric, Deduct</i>	-7.79	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.55	
			<i>For 6 Gauge Fabric, Add</i>	7.15	
			<i>For 1" Mesh Fabric, Add</i>	9.75	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.90	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.95	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.60	
			<i>For Posts 8' On Centers, Add</i>	2.04	
			<i>For Posts 5' On Centers, Add</i>	7.68	
			<i>For Up To 100, Add</i>	7.08	
			<i>For &gt;100 To 250, Add</i>	2.61	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.30	
			<i>For &gt;5,000, Deduct</i>	-2.61	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

HUMBOLDT STATE UNIVERSITY

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 13 13-0156	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	41.94		3.56
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.92		
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.89		
		<i>For 13 Gauge Fabric, Deduct</i>	-9.07		
		<i>For 11 Gauge Fabric, Deduct</i>	-5.30		
		<i>For 6 Gauge Fabric, Add</i>	8.33		
		<i>For 1" Mesh Fabric, Add</i>	11.36		
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.54		
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.27		
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.03		
		<i>For Posts 8' On Centers, Add</i>	2.29		
		<i>For Posts 5' On Centers, Add</i>	8.58		
		<i>For Up To 100, Add</i>	7.87		
		<i>For &gt;100 To 250, Add</i>	2.89		
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.44		
		<i>For &gt;5,000, Deduct</i>	-2.89		
32 31 13 13-0157	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	44.06		5.35
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.14		
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.02		
		<i>For 13 Gauge Fabric, Deduct</i>	-9.60		
		<i>For 11 Gauge Fabric, Deduct</i>	-5.61		
		<i>For 6 Gauge Fabric, Add</i>	8.81		
		<i>For 1" Mesh Fabric, Add</i>	12.02		
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.81		
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.40		
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.21		
		<i>For Posts 8' On Centers, Add</i>	2.40		
		<i>For Posts 5' On Centers, Add</i>	9.00		
		<i>For Up To 100, Add</i>	8.25		
		<i>For &gt;100 To 250, Add</i>	3.02		
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.51		
		<i>For &gt;5,000, Deduct</i>	-3.02		
32 31 13 13-0158	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	49.89		6.24
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.86		
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.37		
		<i>For 13 Gauge Fabric, Deduct</i>	-11.26		
		<i>For 11 Gauge Fabric, Deduct</i>	-6.58		
		<i>For 6 Gauge Fabric, Add</i>	10.33		
		<i>For 1" Mesh Fabric, Add</i>	14.09		
		<i>For 1-3/4" Mesh Fabric, Add</i>	5.64		
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.82		
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.76		
		<i>For Posts 8' On Centers, Add</i>	2.70		
		<i>For Posts 5' On Centers, Add</i>	10.12		
		<i>For Up To 100, Add</i>	9.23		
		<i>For &gt;100 To 250, Add</i>	3.37		
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.68		
		<i>For &gt;5,000, Deduct</i>	-3.37		
32 31 13 13-0159	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	53.28		8.02
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	5.24		
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.58		
		<i>For 13 Gauge Fabric, Deduct</i>	-12.15		
		<i>For 11 Gauge Fabric, Deduct</i>	-7.09		
		<i>For 6 Gauge Fabric, Add</i>	11.15		
		<i>For 1" Mesh Fabric, Add</i>	15.20		
		<i>For 1-3/4" Mesh Fabric, Add</i>	6.08		
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.04		
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.05		
		<i>For Posts 8' On Centers, Add</i>	2.88		
		<i>For Posts 5' On Centers, Add</i>	10.78		
		<i>For Up To 100, Add</i>	9.83		
		<i>For &gt;100 To 250, Add</i>	3.58		
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.79		
		<i>For &gt;5,000, Deduct</i>	-3.58		
32 31 13 13-0160	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	56.68		8.91
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	5.63		
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.79		
		<i>For 13 Gauge Fabric, Deduct</i>	-13.03		
		<i>For 11 Gauge Fabric, Deduct</i>	-7.61		
		<i>For 6 Gauge Fabric, Add</i>	11.97		
		<i>For 1" Mesh Fabric, Add</i>	16.32		
		<i>For 1-3/4" Mesh Fabric, Add</i>	6.53		
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.26		
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.35		
		<i>For Posts 8' On Centers, Add</i>	3.06		
		<i>For Posts 5' On Centers, Add</i>	11.45		
		<i>For Up To 100, Add</i>	10.42		
		<i>For &gt;100 To 250, Add</i>	3.79		
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.90		
		<i>For &gt;5,000, Deduct</i>	-3.79		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0161	LF	12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	61.82	10.69
			<i>For Each Additional Foot &gt;12, Add</i>	4.08	
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	6.16	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.13	
			<i>For 13 Gauge Fabric, Deduct</i>	-14.26	
			<i>For 11 Gauge Fabric, Deduct</i>	-8.33	
			<i>For 6 Gauge Fabric, Add</i>	13.09	
			<i>For 1" Mesh Fabric, Add</i>	17.86	
			<i>For 1-3/4" Mesh Fabric, Add</i>	7.14	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.57	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.76	
			<i>For Posts 8' On Centers, Add</i>	3.34	
			<i>For Posts 5' On Centers, Add</i>	12.48	
			<i>For Up To 100, Add</i>	11.35	
			<i>For &gt;100 To 250, Add</i>	4.13	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-2.06	
			<i>For &gt;5,000, Deduct</i>	-4.13	
32 31 13	13-0162		<b>Rails</b> (32 31 13 13)		
			Note: Includes rail end fittings.		
32 31 13	13-0163		<b>SS-20 Chain Link Fence Rails</b> (32 31 13 13-0162)		
			Note: Includes tie wires.		
32 31 13	13-0164	LF	1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings .....	5.48	1.15
			<i>For SS15, Deduct</i>	-0.31	
			<i>For SS40, Add</i>	0.77	
32 31 13	13-0165	LF	1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings .....	6.51	1.15
			<i>For SS40, Add</i>	0.41	
			<i>For Powder Coated, Add</i>	0.82	
			<i>For Aluminum Coated, Add</i>	1.64	
32 31 13	13-0166	LF	1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings .....	6.71	1.32
			<i>For SS15, Deduct</i>	-0.41	
			<i>For SS40, Add</i>	1.02	
32 31 13	13-0167	LF	1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings .....	8.09	1.32
			<i>For SS40, Add</i>	0.55	
			<i>For Powder Coated, Add</i>	1.09	
			<i>For Aluminum Coated, Add</i>	2.19	
32 31 13	13-0168	LF	2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings .....	7.85	1.47
			<i>For SS40, Add</i>	1.23	
32 31 13	13-0169	LF	2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings .....	9.50	1.47
			<i>For SS40, Add</i>	0.66	
			<i>For Powder Coated, Add</i>	1.31	
			<i>For Aluminum Coated, Add</i>	2.62	
32 31 13	13-0170		<b>Fabric</b> (32 31 13 13)		
32 31 13	13-0171		<b>Fabric, Galvanized Chain Link</b> (32 31 13 13-0170)		
32 31 13	13-0172	LF	3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh .....	9.94	2.10
			<i>For 1-1/4" Mesh Fabric, Add</i>	0.88	
			<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	0.78	
			<i>For 13 Gauge Fabric, Deduct</i>	-1.41	
			<i>For 11 Gauge Fabric, Deduct</i>	-0.78	
			<i>For 6 Gauge Fabric, Add</i>	2.50	
			<i>For 1" Mesh Fabric, Add</i>	2.35	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1.57	
			<i>For 1-3/4" Mesh Fabric, Add</i>	0.94	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.47	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.63	
32 31 13	13-0173	LF	3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	10.98	2.36
			<i>For 1-1/4" Mesh Fabric, Add</i>	1.02	
			<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	0.91	
			<i>For 13 Gauge Fabric, Deduct</i>	-1.64	
			<i>For 11 Gauge Fabric, Deduct</i>	-0.91	
			<i>For 6 Gauge Fabric, Add</i>	2.91	
			<i>For 1" Mesh Fabric, Add</i>	2.73	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1.82	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.09	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.55	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.73	
32 31 13	13-0174	LF	4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh .....	11.87	2.62
			<i>For 1-1/4" Mesh Fabric, Add</i>	1.12	
			<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	1.00	
			<i>For 13 Gauge Fabric, Deduct</i>	-1.80	
			<i>For 11 Gauge Fabric, Deduct</i>	-1.00	
			<i>For 6 Gauge Fabric, Add</i>	3.21	
			<i>For 1" Mesh Fabric, Add</i>	3.01	
			<i>For 1-1/4" Mesh Fabric, Add</i>	2.01	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.20	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.60	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.80	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0175	LF	5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh .....	13.39	3.14
			For 1-1/4" Mesh Fabric, Add	1.40	
			For 2 Oz Galvanized Or Zinc Coating, Add	1.25	
			For 13 Gauge Fabric, Deduct	-2.25	
			For 11 Gauge Fabric, Deduct	-1.25	
			For 6 Gauge Fabric, Add	4.00	
			For 1" Mesh Fabric, Add	3.75	
			For 1-1/4" Mesh Fabric, Add	2.50	
			For 1-3/4" Mesh Fabric, Add	1.50	
			For 2-1/8" Mesh Fabric, Deduct	-0.75	
			For 2-3/8" Mesh Fabric, Deduct	-1.00	
32 31 13	13-0176	LF	6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh .....	14.99	3.67
			For 1-1/4" Mesh Fabric, Add	1.68	
			For 2 Oz Galvanized Or Zinc Coating, Add	1.50	
			For 13 Gauge Fabric, Deduct	-2.70	
			For 11 Gauge Fabric, Deduct	-1.50	
			For 6 Gauge Fabric, Add	4.80	
			For 1" Mesh Fabric, Add	4.50	
			For 1-1/4" Mesh Fabric, Add	3.00	
			For 1-3/4" Mesh Fabric, Add	1.80	
			For 2-1/8" Mesh Fabric, Deduct	-0.90	
			For 2-3/8" Mesh Fabric, Deduct	-1.20	
32 31 13	13-0177	LF	7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh .....	16.66	4.19
			For 1-1/4" Mesh Fabric, Add	1.96	
			For 2 Oz Galvanized Or Zinc Coating, Add	1.75	
			For 13 Gauge Fabric, Deduct	-3.15	
			For 11 Gauge Fabric, Deduct	-1.75	
			For 6 Gauge Fabric, Add	5.59	
			For 1" Mesh Fabric, Add	5.24	
			For 1-1/4" Mesh Fabric, Add	3.50	
			For 1-3/4" Mesh Fabric, Add	2.10	
			For 2-1/8" Mesh Fabric, Deduct	-1.05	
			For 2-3/8" Mesh Fabric, Deduct	-1.40	
32 31 13	13-0178	LF	8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh .....	18.48	5.24
			For 1-1/4" Mesh Fabric, Add	2.24	
			For 2 Oz Galvanized Or Zinc Coating, Add	2.00	
			For 13 Gauge Fabric, Deduct	-3.60	
			For 11 Gauge Fabric, Deduct	-2.00	
			For 6 Gauge Fabric, Add	6.40	
			For 1" Mesh Fabric, Add	6.00	
			For 1-1/4" Mesh Fabric, Add	4.00	
			For 1-3/4" Mesh Fabric, Add	2.40	
			For 2-1/8" Mesh Fabric, Deduct	-1.20	
			For 2-3/8" Mesh Fabric, Deduct	-1.60	
32 31 13	13-0179	LF	10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh .....	21.97	5.77
			For 1-1/4" Mesh Fabric, Add	2.91	
			For 2 Oz Galvanized Or Zinc Coating, Add	2.60	
			For 13 Gauge Fabric, Deduct	-4.68	
			For 11 Gauge Fabric, Deduct	-2.60	
			For 6 Gauge Fabric, Add	8.31	
			For 1" Mesh Fabric, Add	7.79	
			For 1-1/4" Mesh Fabric, Add	5.20	
			For 1-3/4" Mesh Fabric, Add	3.12	
			For 2-1/8" Mesh Fabric, Deduct	-1.56	
			For 2-3/8" Mesh Fabric, Deduct	-2.08	
32 31 13	13-0180	LF	12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh .....	25.03	6.29
			For 1-1/4" Mesh Fabric, Add	3.49	
			For 2 Oz Galvanized Or Zinc Coating, Add	3.11	
			For 13 Gauge Fabric, Deduct	-5.60	
			For 11 Gauge Fabric, Deduct	-3.11	
			For 6 Gauge Fabric, Add	9.96	
			For 1" Mesh Fabric, Add	9.34	
			For 1-1/4" Mesh Fabric, Add	6.23	
			For 1-3/4" Mesh Fabric, Add	3.74	
			For 2-1/8" Mesh Fabric, Deduct	-1.87	
			For 2-3/8" Mesh Fabric, Deduct	-2.49	
32 31 13	13-0181	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh .....	28.06	7.34
			For 1-1/4" Mesh Fabric, Add	3.75	
			For 2 Oz Galvanized Or Zinc Coating, Add	3.35	
			For 13 Gauge Fabric, Deduct	-6.02	
			For 11 Gauge Fabric, Deduct	-3.35	
			For 6 Gauge Fabric, Add	10.70	
			For 1" Mesh Fabric, Add	10.04	
			For 1-1/4" Mesh Fabric, Add	6.69	
			For 1-3/4" Mesh Fabric, Add	4.01	
			For 2-1/8" Mesh Fabric, Deduct	-2.01	
			For 2-3/8" Mesh Fabric, Deduct	-2.68	
32 31 13	13-0182	LF	16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh .....	31.07	8.39
			For 1-1/4" Mesh Fabric, Add	4.00	
			For 2 Oz Galvanized Or Zinc Coating, Add	3.58	
			For 13 Gauge Fabric, Deduct	-6.44	
			For 11 Gauge Fabric, Deduct	-3.58	
			For 6 Gauge Fabric, Add	11.44	
			For 1" Mesh Fabric, Add	10.73	
			For 1-1/4" Mesh Fabric, Add	7.15	
			For 1-3/4" Mesh Fabric, Add	4.29	
			For 2-1/8" Mesh Fabric, Deduct	-2.15	
			For 2-3/8" Mesh Fabric, Deduct	-2.86	

32 31 13 13-0183 Fabric, Vinyl Coated Chain Link (32 31 13 13-0170)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0184	LF 4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	13.14	2.10
			For 1-1/4" Mesh Fabric, Add	1.48	
			For 13 Gauge Fabric, Deduct	-2.38	
			For 11 Gauge Fabric, Deduct	-1.32	
			For 6 Gauge Fabric, Add	4.22	
			For 1" Mesh Fabric, Add	3.96	
			For 1-1/4" Mesh Fabric, Add	2.64	
			For 1-3/4" Mesh Fabric, Add	1.58	
			For 2-1/8" Mesh Fabric, Deduct	-0.79	
			For 2-3/8" Mesh Fabric, Deduct	-1.06	
			For Aluminum Coated, Add	2.11	
32 31	13	13-0185	LF 5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	14.99	3.14
			For 1-1/4" Mesh Fabric, Add	1.85	
			For 13 Gauge Fabric, Deduct	-2.97	
			For 11 Gauge Fabric, Deduct	-1.65	
			For 6 Gauge Fabric, Add	5.28	
			For 1" Mesh Fabric, Add	4.95	
			For 1-1/4" Mesh Fabric, Add	3.30	
			For 1-3/4" Mesh Fabric, Add	1.98	
			For 2-1/8" Mesh Fabric, Deduct	-0.99	
			For 2-3/8" Mesh Fabric, Deduct	-1.32	
			For Aluminum Coated, Add	2.64	
32 31	13	13-0186	LF 6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	18.24	3.67
			For 1-1/4" Mesh Fabric, Add	2.59	
			For 13 Gauge Fabric, Deduct	-4.16	
			For 11 Gauge Fabric, Deduct	-2.31	
			For 6 Gauge Fabric, Add	7.40	
			For 1" Mesh Fabric, Add	6.94	
			For 1-1/4" Mesh Fabric, Add	4.63	
			For 1-3/4" Mesh Fabric, Add	2.78	
			For 2-1/8" Mesh Fabric, Deduct	-1.39	
			For 2-3/8" Mesh Fabric, Deduct	-1.85	
			For Aluminum Coated, Add	3.70	
32 31	13	13-0187	LF 7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	20.44	4.19
			For 1-1/4" Mesh Fabric, Add	3.02	
			For 13 Gauge Fabric, Deduct	-4.85	
			For 11 Gauge Fabric, Deduct	-2.69	
			For 6 Gauge Fabric, Add	8.62	
			For 1" Mesh Fabric, Add	8.08	
			For 1-1/4" Mesh Fabric, Add	5.39	
			For 1-3/4" Mesh Fabric, Add	3.23	
			For 2-1/8" Mesh Fabric, Deduct	-1.62	
			For 2-3/8" Mesh Fabric, Deduct	-2.15	
			For Aluminum Coated, Add	4.31	
32 31	13	13-0188	LF 8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	22.88	5.24
			For 1-1/4" Mesh Fabric, Add	3.47	
			For 13 Gauge Fabric, Deduct	-5.58	
			For 11 Gauge Fabric, Deduct	-3.10	
			For 6 Gauge Fabric, Add	9.92	
			For 1" Mesh Fabric, Add	9.30	
			For 1-1/4" Mesh Fabric, Add	6.20	
			For 1-3/4" Mesh Fabric, Add	3.72	
			For 2-1/8" Mesh Fabric, Deduct	-1.86	
			For 2-3/8" Mesh Fabric, Deduct	-2.48	
			For Aluminum Coated, Add	4.96	
32 31	13	13-0189	LF 10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	27.02	5.77
			For 1-1/4" Mesh Fabric, Add	4.32	
			For 13 Gauge Fabric, Deduct	-6.95	
			For 11 Gauge Fabric, Deduct	-3.86	
			For 6 Gauge Fabric, Add	12.35	
			For 1" Mesh Fabric, Add	11.58	
			For 1-1/4" Mesh Fabric, Add	7.72	
			For 1-3/4" Mesh Fabric, Add	4.63	
			For 2-1/8" Mesh Fabric, Deduct	-2.32	
			For 2-3/8" Mesh Fabric, Deduct	-3.09	
			For Aluminum Coated, Add	6.18	
32 31	13	13-0190	LF 12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	29.47	6.29
			For 1-1/4" Mesh Fabric, Add	4.73	
			For 13 Gauge Fabric, Deduct	-7.60	
			For 11 Gauge Fabric, Deduct	-4.22	
			For 6 Gauge Fabric, Add	13.51	
			For 1" Mesh Fabric, Add	12.67	
			For 1-1/4" Mesh Fabric, Add	8.45	
			For 1-3/4" Mesh Fabric, Add	5.07	
			For 2-1/8" Mesh Fabric, Deduct	-2.53	
			For 2-3/8" Mesh Fabric, Deduct	-3.38	
			For Aluminum Coated, Add	6.76	
32 31	13	13-0191	LF 14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	33.27	7.34
			For 1-1/4" Mesh Fabric, Add	5.21	
			For 13 Gauge Fabric, Deduct	-8.37	
			For 11 Gauge Fabric, Deduct	-4.65	
			For 6 Gauge Fabric, Add	14.87	
			For 1" Mesh Fabric, Add	13.94	
			For 1-1/4" Mesh Fabric, Add	9.30	
			For 1-3/4" Mesh Fabric, Add	5.58	
			For 2-1/8" Mesh Fabric, Deduct	-2.79	
			For 2-3/8" Mesh Fabric, Deduct	-3.72	
			For Aluminum Coated, Add	7.44	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0192	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	37.14	8.39
			<i>For 1-1/4" Mesh Fabric, Add</i>	5.70	
			<i>For 13 Gauge Fabric, Deduct</i>	-9.17	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.09	
			<i>For 6 Gauge Fabric, Add</i>	16.30	
			<i>For 1" Mesh Fabric, Add</i>	15.28	
			<i>For 1-1/4" Mesh Fabric, Add</i>	10.19	
			<i>For 1-3/4" Mesh Fabric, Add</i>	6.11	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.06	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.07	
			<i>For Aluminum Coated, Add</i>	8.15	
<b>32 31</b>	<b>13 13-0193</b>		<b>Fabric, Aluminized Steel Chain Link</b> <small>(32 31 13 13-0170)</small>		
32 31	13 13-0194	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh.....	9.91	2.10
			<i>For 6 Gauge Fabric, Add</i>	2.48	
			<i>For 1" Mesh Fabric, Add</i>	3.26	
32 31	13 13-0195	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh.....	10.94	2.36
			<i>For 6 Gauge Fabric, Add</i>	2.88	
			<i>For 1" Mesh Fabric, Add</i>	3.78	
32 31	13 13-0196	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh.....	11.99	2.62
			<i>For 6 Gauge Fabric, Add</i>	3.30	
			<i>For 1" Mesh Fabric, Add</i>	4.34	
32 31	13 13-0197	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh.....	13.54	3.14
			<i>For 6 Gauge Fabric, Add</i>	4.12	
			<i>For 1" Mesh Fabric, Add</i>	5.41	
32 31	13 13-0198	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh.....	15.15	3.67
			<i>For 6 Gauge Fabric, Add</i>	4.93	
			<i>For 1" Mesh Fabric, Add</i>	6.47	
32 31	13 13-0199	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh.....	16.88	4.19
			<i>For 6 Gauge Fabric, Add</i>	5.77	
			<i>For 1" Mesh Fabric, Add</i>	7.57	
32 31	13 13-0200	LF	8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh.....	18.71	5.24
			<i>For 6 Gauge Fabric, Add</i>	6.58	
			<i>For 1" Mesh Fabric, Add</i>	8.64	
32 31	13 13-0201	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh.....	21.87	5.77
			<i>For 6 Gauge Fabric, Add</i>	8.23	
			<i>For 1" Mesh Fabric, Add</i>	10.80	
32 31	13 13-0202	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh.....	24.92	6.29
			<i>For 6 Gauge Fabric, Add</i>	9.87	
			<i>For 1" Mesh Fabric, Add</i>	12.96	
<b>32 31</b>	<b>13 13-0203</b>		<b>Fabric, All Aluminum Chain Link</b> <small>(32 31 13 13-0170)</small>		
32 31	13 13-0204	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh.....	14.92	2.10
			<i>For 6 Gauge Fabric, Add</i>	6.49	
			<i>For 1" Mesh Fabric, Add</i>	8.52	
32 31	13 13-0205	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh.....	16.80	2.36
			<i>For 6 Gauge Fabric, Add</i>	7.57	
			<i>For 1" Mesh Fabric, Add</i>	9.93	
32 31	13 13-0206	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh.....	18.67	2.62
			<i>For 6 Gauge Fabric, Add</i>	8.65	
			<i>For 1" Mesh Fabric, Add</i>	11.35	
32 31	13 13-0207	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh.....	21.90	3.14
			<i>For 6 Gauge Fabric, Add</i>	10.81	
			<i>For 1" Mesh Fabric, Add</i>	14.19	
32 31	13 13-0208	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh.....	25.20	3.67
			<i>For 6 Gauge Fabric, Add</i>	12.97	
			<i>For 1" Mesh Fabric, Add</i>	17.02	
32 31	13 13-0209	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh.....	28.59	4.19
			<i>For 6 Gauge Fabric, Add</i>	15.14	
			<i>For 1" Mesh Fabric, Add</i>	19.87	
32 31	13 13-0210	LF	8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh.....	32.10	5.24
			<i>For 6 Gauge Fabric, Add</i>	17.30	
			<i>For 1" Mesh Fabric, Add</i>	22.70	
32 31	13 13-0211	LF	10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh.....	38.60	5.77
			<i>For 6 Gauge Fabric, Add</i>	21.62	
			<i>For 1" Mesh Fabric, Add</i>	28.37	
32 31	13 13-0212	LF	12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh.....	45.01	6.29
			<i>For 6 Gauge Fabric, Add</i>	25.94	
			<i>For 1" Mesh Fabric, Add</i>	34.05	
<b>32 31</b>	<b>13 13-0213</b>		<b>Fence Inserts</b> <small>(32 31 13 13-0170)</small>		
			Note: For use with new or existing chain link fence, per lf of fence.		
<b>32 31</b>	<b>13 13-0214</b>		<b>Vinyl Plastic Fence Inserts</b> <small>(32 31 13 13-0213)</small>		
			Note: Assorted colors.		
32 31	13 13-0215	LF	3' High Fence, Vinyl Plastic Fence Insert.....	7.27	
32 31	13 13-0216	LF	3-1/2' High Fence, Vinyl Plastic Fence Insert.....	8.32	
32 31	13 13-0217	LF	4' High Fence, Vinyl Plastic Fence Insert.....	9.17	
32 31	13 13-0218	LF	5' High Fence, Vinyl Plastic Fence Insert.....	11.50	
32 31	13 13-0219	LF	6' High Fence, Vinyl Plastic Fence Insert.....	13.76	
32 31	13 13-0220	LF	7' High Fence, Vinyl Plastic Fence Insert.....	16.10	
32 31	13 13-0221	LF	8' High Fence, Vinyl Plastic Fence Insert.....	18.36	
32 31	13 13-0222	LF	10' High Fence, Vinyl Plastic Fence Insert.....	22.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0223			<b>Aluminum Fence Inserts</b> (32 31 13 13-0213) Note: Assorted colors.		
32 31 13 13-0224	LF		3' High Fence, Aluminum Fence Insert .....	21.06	
32 31 13 13-0225	LF		3-1/2' High Fence, Aluminum Fence Insert .....	23.15	
32 31 13 13-0226	LF		4' High Fence, Aluminum Fence Insert .....	26.54	
32 31 13 13-0227	LF		5' High Fence, Aluminum Fence Insert .....	33.23	
32 31 13 13-0228	LF		6' High Fence, Aluminum Fence Insert .....	39.87	
32 31 13 13-0229	LF		7' High Fence, Aluminum Fence Insert .....	43.60	
32 31 13 13-0230	LF		8' High Fence, Aluminum Fence Insert .....	53.14	
32 31 13 13-0231	LF		10' High Fence, Aluminum Fence Insert .....	65.73	
32 31 13 13-0232			<b>Redwood Fence Inserts</b> (32 31 13 13-0213)		
32 31 13 13-0233	LF		4' High Fence, Redwood Fence Insert .....	12.33	
32 31 13 13-0234	LF		5' High Fence, Redwood Fence Insert .....	15.59	
32 31 13 13-0235	LF		6' High Fence, Redwood Fence Insert .....	18.73	
32 31 13 13-0236	LF		7' High Fence, Redwood Fence Insert .....	21.80	
32 31 13 13-0237	LF		8' High Fence, Redwood Fence Insert .....	24.95	
32 31 13 13-0238			<b>Diagonal Flexible Polyethylene Inserts</b> (32 31 13 13-0213)		
32 31 13 13-0239	SF		Diagonal Polyethylene Fence Weave .....	2.90	
32 31 13 13-0240			<b>Hedge Link Fence Inserts</b> (32 31 13 13-0213)		
32 31 13 13-0241	LF		3' High Fence, Hedge Link Fence Insert .....	15.19	
32 31 13 13-0242	LF		3-1/2' High Fence, Hedge Link Fence Insert .....	17.30	
32 31 13 13-0243	LF		4' High Fence, Hedge Link Fence Insert .....	20.36	
32 31 13 13-0244	LF		5' High Fence, Hedge Link Fence Insert .....	25.14	
32 31 13 13-0245	LF		6' High Fence, Hedge Link Fence Insert .....	28.84	
32 31 13 13-0246	LF		7' High Fence, Hedge Link Fence Insert .....	36.26	
32 31 13 13-0247	LF		8' High Fence, Hedge Link Fence Insert .....	41.19	
32 31 13 13-0248	LF		10' High Fence, Hedge Link Fence Insert .....	49.13	
32 31 13 13-0249	LF		12' High Fence, Hedge Link Fence Insert .....	56.34	
32 31 13 13-0250			<b>Fence Windscreen Fabric</b> (32 31 13 13-0170) Note: Includes plastic wire clips.		
32 31 13 13-0251	SF		Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY .....	1.28	0.48
			For Sewn Boxed Vent (Each), Add	19.42	
			For Welded Boxed Vent (Each), Add	9.71	
			For 4' x 4' One Color Logo (Each), Add	404.52	
32 31 13 13-0252			<b>Non-Climbable Fabric, Galvanized Chain Link</b> (32 31 13 13-0170)		
32 31 13 13-0253	LF		3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	23.98	2.10
			For 11 Gauge, Deduct	-3.43	
			For 10 Gauge, Deduct	-1.37	
			For 7 Gauge, Add	2.06	
			For 6 Gauge, Add	4.81	
			For 1/2" Mesh Fabric, Deduct	-0.86	
			For 5/8" Mesh Fabric, Deduct	-1.89	
			For 3/4" Mesh Fabric, Deduct	-2.75	
32 31 13 13-0254	LF		3-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	27.37	2.36
			For 11 Gauge, Deduct	-4.01	
			For 10 Gauge, Deduct	-1.60	
			For 7 Gauge, Add	2.40	
			For 6 Gauge, Add	5.61	
			For 1/2" Mesh Fabric, Deduct	-1.00	
			For 5/8" Mesh Fabric, Deduct	-2.20	
			For 3/4" Mesh Fabric, Deduct	-3.20	
32 31 13 13-0255	LF		4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	30.78	2.62
			For 11 Gauge, Deduct	-4.58	
			For 10 Gauge, Deduct	-1.83	
			For 7 Gauge, Add	2.75	
			For 6 Gauge, Add	6.42	
			For 1/2" Mesh Fabric, Deduct	-1.15	
			For 5/8" Mesh Fabric, Deduct	-2.52	
			For 3/4" Mesh Fabric, Deduct	-3.67	
32 31 13 13-0256	LF		5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	37.02	3.14
			For 11 Gauge, Deduct	-5.73	
			For 10 Gauge, Deduct	-2.29	
			For 7 Gauge, Add	3.44	
			For 6 Gauge, Add	8.02	
			For 1/2" Mesh Fabric, Deduct	-1.43	
			For 5/8" Mesh Fabric, Deduct	-3.15	
			For 3/4" Mesh Fabric, Deduct	-4.58	
32 31 13 13-0257	LF		6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	43.34	3.67
			For 11 Gauge, Deduct	-6.87	
			For 10 Gauge, Deduct	-2.75	
			For 7 Gauge, Add	4.12	
			For 6 Gauge, Add	9.62	
			For 1/2" Mesh Fabric, Deduct	-1.72	
			For 5/8" Mesh Fabric, Deduct	-3.78	
			For 3/4" Mesh Fabric, Deduct	-5.50	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

32 31 13 13-0258	LF	7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	49.75	4.19
		<i>For 11 Gauge, Deduct</i>	-8.02	
		<i>For 10 Gauge, Deduct</i>	-3.21	
		<i>For 7 Gauge, Add</i>	4.81	
		<i>For 6 Gauge, Add</i>	11.22	
		<i>For 1/2" Mesh Fabric, Deduct</i>	-2.00	
		<i>For 5/8" Mesh Fabric, Deduct</i>	-4.41	
		<i>For 3/4" Mesh Fabric, Deduct</i>	-6.41	
32 31 13 13-0259	LF	8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	56.29	5.24
		<i>For 11 Gauge, Deduct</i>	-9.16	
		<i>For 10 Gauge, Deduct</i>	-3.66	
		<i>For 7 Gauge, Add</i>	5.50	
		<i>For 6 Gauge, Add</i>	12.83	
		<i>For 1/2" Mesh Fabric, Deduct</i>	-2.29	
		<i>For 5/8" Mesh Fabric, Deduct</i>	-5.04	
		<i>For 3/4" Mesh Fabric, Deduct</i>	-7.33	
32 31 13 13-0260	LF	9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	62.00	5.51
		<i>For 11 Gauge, Deduct</i>	-10.20	
		<i>For 10 Gauge, Deduct</i>	-4.08	
		<i>For 7 Gauge, Add</i>	6.12	
		<i>For 6 Gauge, Add</i>	14.28	
		<i>For 1/2" Mesh Fabric, Deduct</i>	-2.55	
		<i>For 5/8" Mesh Fabric, Deduct</i>	-5.61	
		<i>For 3/4" Mesh Fabric, Deduct</i>	-8.16	
32 31 13 13-0261	LF	10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	67.75	5.77
		<i>For 11 Gauge, Deduct</i>	-11.23	
		<i>For 10 Gauge, Deduct</i>	-4.49	
		<i>For 7 Gauge, Add</i>	6.74	
		<i>For 6 Gauge, Add</i>	15.73	
		<i>For 1/2" Mesh Fabric, Deduct</i>	-2.81	
		<i>For 5/8" Mesh Fabric, Deduct</i>	-6.18	
		<i>For 3/4" Mesh Fabric, Deduct</i>	-8.99	
32 31 13 13-0262	LF	12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	73.47	6.29
		<i>For 11 Gauge, Deduct</i>	-12.18	
		<i>For 10 Gauge, Deduct</i>	-4.87	
		<i>For 7 Gauge, Add</i>	7.31	
		<i>For 6 Gauge, Add</i>	17.05	
		<i>For 1/2" Mesh Fabric, Deduct</i>	-3.04	
		<i>For 5/8" Mesh Fabric, Deduct</i>	-6.70	
		<i>For 3/4" Mesh Fabric, Deduct</i>	-9.74	

**32 31 13 13-0263 Gates** (32 31 13 13)

Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

**32 31 13 13-0264 Galvanized Steel Without Barbed Wire** (32 31 13 13-0263)

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

**32 31 13 13-0265 4' Fence Height** (32 31 13 13-0264)

32 31 13 13-0266	EA	3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	312.81	20.47
		<i>For Gate With Single Barb Wire Arm, Add</i>	27.37	
		<i>For Gate With Double Barb Wire Arm, Add</i>	39.81	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-46.66	
		<i>For Aluminized Steel Gate And Post, Add</i>	119.44	
		<i>For Powder Coated Gate And Post, Add</i>	64.70	
		<i>For 1" Mesh Fabric, Add</i>	108.24	
		<i>For 1-1/4" Mesh Fabric, Add</i>	69.67	
		<i>For 1-3/4" Mesh Fabric, Add</i>	43.30	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-21.65	
32 31 13 13-0267	EA	4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	395.75	21.32
		<i>For Gate With Single Barb Wire Arm, Add</i>	36.49	
		<i>For Gate With Double Barb Wire Arm, Add</i>	53.08	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-62.21	
		<i>For Aluminized Steel Gate And Post, Add</i>	159.25	
		<i>For Powder Coated Gate And Post, Add</i>	86.26	
		<i>For 1" Mesh Fabric, Add</i>	144.32	
		<i>For 1-1/4" Mesh Fabric, Add</i>	92.90	
		<i>For 1-3/4" Mesh Fabric, Add</i>	57.73	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-28.86	
32 31 13 13-0268	EA	5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	468.80	22.69
		<i>For Gate With Single Barb Wire Arm, Add</i>	44.06	
		<i>For Gate With Double Barb Wire Arm, Add</i>	64.09	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-75.10	
		<i>For Aluminized Steel Gate And Post, Add</i>	192.26	
		<i>For Powder Coated Gate And Post, Add</i>	104.14	
		<i>For 1" Mesh Fabric, Add</i>	174.24	
		<i>For 1-1/4" Mesh Fabric, Add</i>	112.15	
		<i>For 1-3/4" Mesh Fabric, Add</i>	69.70	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-34.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0269	EA	6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	551.24	27.29
			For Gate With Single Barb Wire Arm, Add	51.63	
			For Gate With Double Barb Wire Arm, Add	75.09	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-88.00	
			For Aluminized Steel Gate And Post, Add	225.28	
			For Powder Coated Gate And Post, Add	122.03	
			For 1" Mesh Fabric, Add	204.16	
			For 1-1/4" Mesh Fabric, Add	131.42	
			For 1-3/4" Mesh Fabric, Add	81.67	
			For 2-1/8" Mesh Fabric, Deduct	-40.83	
32 31 13	13-0270	EA	7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	633.68	31.82
			For Gate With Single Barb Wire Arm, Add	59.19	
			For Gate With Double Barb Wire Arm, Add	86.10	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-100.90	
			For Aluminized Steel Gate And Post, Add	258.30	
			For Powder Coated Gate And Post, Add	139.91	
			For 1" Mesh Fabric, Add	234.08	
			For 1-1/4" Mesh Fabric, Add	150.67	
			For 1-3/4" Mesh Fabric, Add	93.63	
			For 2-1/8" Mesh Fabric, Deduct	-46.82	
32 31 13	13-0271	EA	8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	718.93	36.35
			For Gate With Single Barb Wire Arm, Add	67.07	
			For Gate With Double Barb Wire Arm, Add	97.56	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-114.32	
			For Aluminized Steel Gate And Post, Add	292.67	
			For Powder Coated Gate And Post, Add	158.53	
			For 1" Mesh Fabric, Add	265.23	
			For 1-1/4" Mesh Fabric, Add	170.72	
			For 1-3/4" Mesh Fabric, Add	106.09	
			For 2-1/8" Mesh Fabric, Deduct	-53.05	
32 31 13	13-0272	EA	9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	801.35	40.95
			For Gate With Single Barb Wire Arm, Add	74.64	
			For Gate With Double Barb Wire Arm, Add	108.56	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-127.22	
			For Aluminized Steel Gate And Post, Add	325.68	
			For Powder Coated Gate And Post, Add	176.41	
			For 1" Mesh Fabric, Add	295.15	
			For 1-1/4" Mesh Fabric, Add	189.98	
			For 1-3/4" Mesh Fabric, Add	118.06	
			For 2-1/8" Mesh Fabric, Deduct	-59.03	
32 31 13	13-0273	EA	10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	884.99	45.47
			For Gate With Single Barb Wire Arm, Add	82.34	
			For Gate With Double Barb Wire Arm, Add	119.76	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-140.35	
			For Aluminized Steel Gate And Post, Add	359.28	
			For Powder Coated Gate And Post, Add	194.61	
			For 1" Mesh Fabric, Add	325.60	
			For 1-1/4" Mesh Fabric, Add	209.58	
			For 1-3/4" Mesh Fabric, Add	130.24	
			For 2-1/8" Mesh Fabric, Deduct	-65.12	
32 31 13	13-0274	EA	10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire.....	1,131.81	45.47
			For Gate With Single Barb Wire Arm, Add	109.49	
			For Gate With Double Barb Wire Arm, Add	159.25	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-186.62	
			For Aluminized Steel Gate And Post, Add	477.75	
			For Powder Coated Gate And Post, Add	258.78	
			For 1" Mesh Fabric, Add	432.96	
			For 1-1/4" Mesh Fabric, Add	278.69	
			For 1-3/4" Mesh Fabric, Add	173.19	
			For 2-1/8" Mesh Fabric, Deduct	-86.59	
32 31 13	13-0275	EA	12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire.....	1,340.62	48.71
			For Gate With Single Barb Wire Arm, Add	131.38	
			For Gate With Double Barb Wire Arm, Add	191.10	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-223.95	
			For Aluminized Steel Gate And Post, Add	573.30	
			For Powder Coated Gate And Post, Add	310.54	
			For 1" Mesh Fabric, Add	519.56	
			For 1-1/4" Mesh Fabric, Add	334.43	
			For 1-3/4" Mesh Fabric, Add	207.82	
			For 2-1/8" Mesh Fabric, Deduct	-103.91	
32 31 13	13-0276	EA	14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire.....	1,550.93	52.47
			For Gate With Single Barb Wire Arm, Add	153.28	
			For Gate With Double Barb Wire Arm, Add	222.95	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-261.27	
			For Aluminized Steel Gate And Post, Add	668.85	
			For Powder Coated Gate And Post, Add	362.29	
			For 1" Mesh Fabric, Add	606.15	
			For 1-1/4" Mesh Fabric, Add	390.16	
			For 1-3/4" Mesh Fabric, Add	242.46	
			For 2-1/8" Mesh Fabric, Deduct	-121.23	
32 31 13	13-0277	EA	16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire.....	1,763.13	56.82
			For Gate With Single Barb Wire Arm, Add	175.18	
			For Gate With Double Barb Wire Arm, Add	254.80	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-298.60	
			For Aluminized Steel Gate And Post, Add	764.40	
			For Powder Coated Gate And Post, Add	414.05	
			For 1" Mesh Fabric, Add	692.74	
			For 1-1/4" Mesh Fabric, Add	445.90	
			For 1-3/4" Mesh Fabric, Add	277.10	
			For 2-1/8" Mesh Fabric, Deduct	-138.55	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0278	EA	18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,007.19	71.76
		<i>For Gate With Single Barb Wire Arm, Add</i>	197.07	
		<i>For Gate With Double Barb Wire Arm, Add</i>	286.65	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-335.92	
		<i>For Aluminized Steel Gate And Post, Add</i>	859.95	
		<i>For Powder Coated Gate And Post, Add</i>	465.81	
		<i>For 1" Mesh Fabric, Add</i>	779.33	
		<i>For 1-1/4" Mesh Fabric, Add</i>	501.64	
		<i>For 1-3/4" Mesh Fabric, Add</i>	311.73	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-155.87	
32 31 13 13-0279	EA	20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,221.65	76.91
		<i>For Gate With Single Barb Wire Arm, Add</i>	218.97	
		<i>For Gate With Double Barb Wire Arm, Add</i>	318.50	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-373.24	
		<i>For Aluminized Steel Gate And Post, Add</i>	955.50	
		<i>For Powder Coated Gate And Post, Add</i>	517.56	
		<i>For 1" Mesh Fabric, Add</i>	865.92	
		<i>For 1-1/4" Mesh Fabric, Add</i>	557.38	
		<i>For 1-3/4" Mesh Fabric, Add</i>	346.37	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-173.18	
32 31 13 13-0280	EA	22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,433.63	82.88
		<i>For Gate With Single Barb Wire Arm, Add</i>	240.33	
		<i>For Gate With Double Barb Wire Arm, Add</i>	349.57	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-409.66	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,048.72	
		<i>For Powder Coated Gate And Post, Add</i>	568.06	
		<i>For 1" Mesh Fabric, Add</i>	950.41	
		<i>For 1-1/4" Mesh Fabric, Add</i>	611.76	
		<i>For 1-3/4" Mesh Fabric, Add</i>	380.16	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-190.08	
32 31 13 13-0281	EA	24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,648.57	89.76
		<i>For Gate With Single Barb Wire Arm, Add</i>	261.70	
		<i>For Gate With Double Barb Wire Arm, Add</i>	380.65	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-446.07	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,141.94	
		<i>For Powder Coated Gate And Post, Add</i>	618.55	
		<i>For 1" Mesh Fabric, Add</i>	1,034.89	
		<i>For 1-1/4" Mesh Fabric, Add</i>	666.13	
		<i>For 1-3/4" Mesh Fabric, Add</i>	413.95	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-206.98	
32 31 13 13-0282	EA	26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,867.29	97.93
		<i>For Gate With Single Barb Wire Arm, Add</i>	283.06	
		<i>For Gate With Double Barb Wire Arm, Add</i>	411.72	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-482.49	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,235.16	
		<i>For Powder Coated Gate And Post, Add</i>	669.05	
		<i>For 1" Mesh Fabric, Add</i>	1,119.37	
		<i>For 1-1/4" Mesh Fabric, Add</i>	720.51	
		<i>For 1-3/4" Mesh Fabric, Add</i>	447.75	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-223.87	
32 31 13 13-0283	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,018.07	107.74
		<i>For Gate With Single Barb Wire Arm, Add</i>	296.41	
		<i>For Gate With Double Barb Wire Arm, Add</i>	431.14	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-505.25	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,293.43	
		<i>For Powder Coated Gate And Post, Add</i>	700.61	
		<i>For 1" Mesh Fabric, Add</i>	1,172.17	
		<i>For 1-1/4" Mesh Fabric, Add</i>	754.50	
		<i>For 1-3/4" Mesh Fabric, Add</i>	468.87	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-234.43	
32 31 13 13-0284	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,345.32	119.66
		<i>For Gate With Single Barb Wire Arm, Add</i>	328.45	
		<i>For Gate With Double Barb Wire Arm, Add</i>	477.75	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-559.87	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,433.26	
		<i>For Powder Coated Gate And Post, Add</i>	776.35	
		<i>For 1" Mesh Fabric, Add</i>	1,298.89	
		<i>For 1-1/4" Mesh Fabric, Add</i>	836.07	
		<i>For 1-3/4" Mesh Fabric, Add</i>	519.56	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-259.78	

**32 31 13 13-0285 5' Fence Height** (32 31 13 13-0284)

32 31 13 13-0286	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	375.75	22.69
		<i>For Gate With Single Barb Wire Arm, Add</i>	33.83	
		<i>For Gate With Double Barb Wire Arm, Add</i>	49.20	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-57.66	
		<i>For Aluminized Steel Gate And Post, Add</i>	147.60	
		<i>For Powder Coated Gate And Post, Add</i>	79.95	
		<i>For 1" Mesh Fabric, Add</i>	133.76	
		<i>For 1-1/4" Mesh Fabric, Add</i>	86.10	
		<i>For 1-3/4" Mesh Fabric, Add</i>	53.51	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-26.75	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0287	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	476.90	22.69
			For Gate With Single Barb Wire Arm, Add	44.95	
			For Gate With Double Barb Wire Arm, Add	65.38	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-76.62	
			For Aluminized Steel Gate And Post, Add	196.15	
			For Powder Coated Gate And Post, Add	106.25	
			For 1" Mesh Fabric, Add	177.76	
			For 1-1/4" Mesh Fabric, Add	114.42	
			For 1-3/4" Mesh Fabric, Add	71.11	
			For 2-1/8" Mesh Fabric, Deduct	-35.55	
32 31 13	13-0288	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	558.04	24.14
			For Gate With Single Barb Wire Arm, Add	53.41	
			For Gate With Double Barb Wire Arm, Add	77.68	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-91.04	
			For Aluminized Steel Gate And Post, Add	233.05	
			For Powder Coated Gate And Post, Add	126.24	
			For 1" Mesh Fabric, Add	211.20	
			For 1-1/4" Mesh Fabric, Add	135.95	
			For 1-3/4" Mesh Fabric, Add	84.48	
			For 2-1/8" Mesh Fabric, Deduct	-42.24	
32 31 13	13-0289	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	653.46	29.00
			For Gate With Single Barb Wire Arm, Add	62.31	
			For Gate With Double Barb Wire Arm, Add	90.63	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-106.21	
			For Aluminized Steel Gate And Post, Add	271.89	
			For Powder Coated Gate And Post, Add	147.27	
			For 1" Mesh Fabric, Add	246.40	
			For 1-1/4" Mesh Fabric, Add	158.60	
			For 1-3/4" Mesh Fabric, Add	98.56	
			For 2-1/8" Mesh Fabric, Deduct	-49.28	
32 31 13	13-0290	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	740.79	33.79
			For Gate With Single Barb Wire Arm, Add	70.32	
			For Gate With Double Barb Wire Arm, Add	102.28	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-119.86	
			For Aluminized Steel Gate And Post, Add	306.85	
			For Powder Coated Gate And Post, Add	166.21	
			For 1" Mesh Fabric, Add	278.08	
			For 1-1/4" Mesh Fabric, Add	179.00	
			For 1-3/4" Mesh Fabric, Add	111.23	
			For 2-1/8" Mesh Fabric, Deduct	-55.62	
32 31 13	13-0291	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	837.07	38.90
			For Gate With Single Barb Wire Arm, Add	79.22	
			For Gate With Double Barb Wire Arm, Add	115.23	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-135.04	
			For Aluminized Steel Gate And Post, Add	345.69	
			For Powder Coated Gate And Post, Add	187.25	
			For 1" Mesh Fabric, Add	313.28	
			For 1-1/4" Mesh Fabric, Add	201.65	
			For 1-3/4" Mesh Fabric, Add	125.31	
			For 2-1/8" Mesh Fabric, Deduct	-62.66	
32 31 13	13-0292	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	928.43	43.77
			For Gate With Single Barb Wire Arm, Add	87.68	
			For Gate With Double Barb Wire Arm, Add	127.53	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-149.45	
			For Aluminized Steel Gate And Post, Add	382.59	
			For Powder Coated Gate And Post, Add	207.24	
			For 1" Mesh Fabric, Add	346.72	
			For 1-1/4" Mesh Fabric, Add	223.18	
			For 1-3/4" Mesh Fabric, Add	138.69	
			For 2-1/8" Mesh Fabric, Deduct	-69.34	
32 31 13	13-0293	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	1,019.81	48.54
			For Gate With Single Barb Wire Arm, Add	96.13	
			For Gate With Double Barb Wire Arm, Add	139.83	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-163.86	
			For Aluminized Steel Gate And Post, Add	419.49	
			For Powder Coated Gate And Post, Add	227.22	
			For 1" Mesh Fabric, Add	380.16	
			For 1-1/4" Mesh Fabric, Add	244.70	
			For 1-3/4" Mesh Fabric, Add	152.07	
			For 2-1/8" Mesh Fabric, Deduct	-76.03	
32 31 13	13-0294	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	1,379.46	48.71
			For Gate With Single Barb Wire Arm, Add	135.65	
			For Gate With Double Barb Wire Arm, Add	197.32	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-231.23	
			For Aluminized Steel Gate And Post, Add	591.95	
			For Powder Coated Gate And Post, Add	320.64	
			For 1" Mesh Fabric, Add	536.45	
			For 1-1/4" Mesh Fabric, Add	345.30	
			For 1-3/4" Mesh Fabric, Add	214.58	
			For 2-1/8" Mesh Fabric, Deduct	-107.29	
32 31 13	13-0295	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	1,638.33	52.47
			For Gate With Single Barb Wire Arm, Add	162.89	
			For Gate With Double Barb Wire Arm, Add	236.93	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-277.66	
			For Aluminized Steel Gate And Post, Add	710.80	
			For Powder Coated Gate And Post, Add	385.02	
			For 1" Mesh Fabric, Add	644.17	
			For 1-1/4" Mesh Fabric, Add	414.64	
			For 1-3/4" Mesh Fabric, Add	257.67	
			For 2-1/8" Mesh Fabric, Deduct	-128.83	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0296	EA 14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	1,899.07	56.82
	For Gate With Single Barb Wire Arm, Add	190.13	
	For Gate With Double Barb Wire Arm, Add	276.55	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-324.08	
	For Aluminized Steel Gate And Post, Add	829.66	
	For Powder Coated Gate And Post, Add	449.40	
	For 1" Mesh Fabric, Add	751.88	
	For 1-1/4" Mesh Fabric, Add	483.97	
	For 1-3/4" Mesh Fabric, Add	300.75	
	For 2-1/8" Mesh Fabric, Deduct	-150.38	
32 31 13 13-0297	EA 16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,191.69	71.76
	For Gate With Single Barb Wire Arm, Add	217.37	
	For Gate With Double Barb Wire Arm, Add	316.17	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-370.51	
	For Aluminized Steel Gate And Post, Add	948.51	
	For Powder Coated Gate And Post, Add	513.78	
	For 1" Mesh Fabric, Add	859.59	
	For 1-1/4" Mesh Fabric, Add	553.30	
	For 1-3/4" Mesh Fabric, Add	343.84	
	For 2-1/8" Mesh Fabric, Deduct	-171.92	
32 31 13 13-0298	EA 18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,449.85	76.91
	For Gate With Single Barb Wire Arm, Add	244.07	
	For Gate With Double Barb Wire Arm, Add	355.01	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-416.03	
	For Aluminized Steel Gate And Post, Add	1,065.04	
	For Powder Coated Gate And Post, Add	576.90	
	For 1" Mesh Fabric, Add	965.19	
	For 1-1/4" Mesh Fabric, Add	621.27	
	For 1-3/4" Mesh Fabric, Add	386.08	
	For 2-1/8" Mesh Fabric, Deduct	-193.04	
32 31 13 13-0299	EA 20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,720.09	82.88
	For Gate With Single Barb Wire Arm, Add	271.84	
	For Gate With Double Barb Wire Arm, Add	395.41	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-463.37	
	For Aluminized Steel Gate And Post, Add	1,186.22	
	For Powder Coated Gate And Post, Add	642.54	
	For 1" Mesh Fabric, Add	1,075.02	
	For 1-1/4" Mesh Fabric, Add	691.96	
	For 1-3/4" Mesh Fabric, Add	430.01	
	For 2-1/8" Mesh Fabric, Deduct	-215.00	
32 31 13 13-0300	EA 22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,988.43	89.76
	For Gate With Single Barb Wire Arm, Add	299.08	
	For Gate With Double Barb Wire Arm, Add	435.03	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-509.80	
	For Aluminized Steel Gate And Post, Add	1,305.08	
	For Powder Coated Gate And Post, Add	706.92	
	For 1" Mesh Fabric, Add	1,182.73	
	For 1-1/4" Mesh Fabric, Add	761.29	
	For 1-3/4" Mesh Fabric, Add	473.09	
	For 2-1/8" Mesh Fabric, Deduct	-236.55	
32 31 13 13-0301	EA 24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	3,255.70	97.93
	For Gate With Single Barb Wire Arm, Add	325.78	
	For Gate With Double Barb Wire Arm, Add	473.87	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-555.31	
	For Aluminized Steel Gate And Post, Add	1,421.60	
	For Powder Coated Gate And Post, Add	770.03	
	For 1" Mesh Fabric, Add	1,288.33	
	For 1-1/4" Mesh Fabric, Add	829.27	
	For 1-3/4" Mesh Fabric, Add	515.33	
	For 2-1/8" Mesh Fabric, Deduct	-257.67	
32 31 13 13-0302	EA 26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	3,537.57	107.74
	For Gate With Single Barb Wire Arm, Add	353.56	
	For Gate With Double Barb Wire Arm, Add	514.26	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-602.65	
	For Aluminized Steel Gate And Post, Add	1,542.79	
	For Powder Coated Gate And Post, Add	835.68	
	For 1" Mesh Fabric, Add	1,398.15	
	For 1-1/4" Mesh Fabric, Add	899.96	
	For 1-3/4" Mesh Fabric, Add	559.26	
	For 2-1/8" Mesh Fabric, Deduct	-279.63	
32 31 13 13-0303	EA 28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	3,818.07	119.66
	For Gate With Single Barb Wire Arm, Add	380.46	
	For Gate With Double Barb Wire Arm, Add	553.39	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-648.51	
	For Aluminized Steel Gate And Post, Add	1,660.18	
	For Powder Coated Gate And Post, Add	899.26	
	For 1" Mesh Fabric, Add	1,504.53	
	For 1-1/4" Mesh Fabric, Add	968.44	
	For 1-3/4" Mesh Fabric, Add	601.81	
	For 2-1/8" Mesh Fabric, Deduct	-300.91	
32 31 13 13-0304	EA 30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	4,103.95	134.63
	For Gate With Single Barb Wire Arm, Add	406.96	
	For Gate With Double Barb Wire Arm, Add	591.95	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-693.69	
	For Aluminized Steel Gate And Post, Add	1,775.84	
	For Powder Coated Gate And Post, Add	961.91	
	For 1" Mesh Fabric, Add	1,609.35	
	For 1-1/4" Mesh Fabric, Add	1,035.90	
	For 1-3/4" Mesh Fabric, Add	643.74	
	For 2-1/8" Mesh Fabric, Deduct	-321.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13	13-0305	<b>6' Fence Height</b> <small>(32 31 13 13-0264)</small>		
32 31 13	13	13-0306	EA 3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	402.87	24.31
			For Gate With Single Barb Wire Arm, Add	36.27	
			For Gate With Double Barb Wire Arm, Add	52.76	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-61.83	
			For Aluminized Steel Gate And Post, Add	158.28	
			For Powder Coated Gate And Post, Add	85.74	
			For 1" Mesh Fabric, Add	143.44	
			For 1-1/4" Mesh Fabric, Add	92.33	
			For 1-3/4" Mesh Fabric, Add	57.38	
			For 2-1/8" Mesh Fabric, Deduct	-28.69	
32 31 13	13	13-0307	EA 4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	512.11	24.31
			For Gate With Single Barb Wire Arm, Add	48.29	
			For Gate With Double Barb Wire Arm, Add	70.24	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-82.31	
			For Aluminized Steel Gate And Post, Add	210.72	
			For Powder Coated Gate And Post, Add	114.14	
			For 1" Mesh Fabric, Add	190.96	
			For 1-1/4" Mesh Fabric, Add	122.92	
			For 1-3/4" Mesh Fabric, Add	76.38	
			For 2-1/8" Mesh Fabric, Deduct	-38.19	
32 31 13	13	13-0308	EA 5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	600.17	25.84
			For Gate With Single Barb Wire Arm, Add	57.48	
			For Gate With Double Barb Wire Arm, Add	83.61	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-97.98	
			For Aluminized Steel Gate And Post, Add	250.82	
			For Powder Coated Gate And Post, Add	135.86	
			For 1" Mesh Fabric, Add	227.30	
			For 1-1/4" Mesh Fabric, Add	146.31	
			For 1-3/4" Mesh Fabric, Add	90.92	
			For 2-1/8" Mesh Fabric, Deduct	-45.46	
32 31 13	13	13-0309	EA 6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	696.68	31.22
			For Gate With Single Barb Wire Arm, Add	66.31	
			For Gate With Double Barb Wire Arm, Add	96.46	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-113.03	
			For Aluminized Steel Gate And Post, Add	289.37	
			For Powder Coated Gate And Post, Add	156.74	
			For 1" Mesh Fabric, Add	262.24	
			For 1-1/4" Mesh Fabric, Add	168.80	
			For 1-3/4" Mesh Fabric, Add	104.90	
			For 2-1/8" Mesh Fabric, Deduct	-52.45	
32 31 13	13	13-0310	EA 7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	797.86	36.69
			For Gate With Single Barb Wire Arm, Add	75.66	
			For Gate With Double Barb Wire Arm, Add	110.05	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-128.97	
			For Aluminized Steel Gate And Post, Add	330.15	
			For Powder Coated Gate And Post, Add	178.83	
			For 1" Mesh Fabric, Add	299.20	
			For 1-1/4" Mesh Fabric, Add	192.59	
			For 1-3/4" Mesh Fabric, Add	119.68	
			For 2-1/8" Mesh Fabric, Deduct	-59.84	
32 31 13	13	13-0311	EA 8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	894.14	41.80
			For Gate With Single Barb Wire Arm, Add	84.56	
			For Gate With Double Barb Wire Arm, Add	123.00	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-144.14	
			For Aluminized Steel Gate And Post, Add	369.00	
			For Powder Coated Gate And Post, Add	199.87	
			For 1" Mesh Fabric, Add	334.40	
			For 1-1/4" Mesh Fabric, Add	215.25	
			For 1-3/4" Mesh Fabric, Add	133.76	
			For 2-1/8" Mesh Fabric, Deduct	-66.88	
32 31 13	13	13-0312	EA 9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	991.27	47.18
			For Gate With Single Barb Wire Arm, Add	93.46	
			For Gate With Double Barb Wire Arm, Add	135.95	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-159.31	
			For Aluminized Steel Gate And Post, Add	407.84	
			For Powder Coated Gate And Post, Add	220.91	
			For 1" Mesh Fabric, Add	369.60	
			For 1-1/4" Mesh Fabric, Add	237.90	
			For 1-3/4" Mesh Fabric, Add	147.84	
			For 2-1/8" Mesh Fabric, Deduct	-73.92	
32 31 13	13	13-0313	EA 10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	1,051.98	52.55
			For Gate With Single Barb Wire Arm, Add	98.36	
			For Gate With Double Barb Wire Arm, Add	143.07	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-167.66	
			For Aluminized Steel Gate And Post, Add	429.20	
			For Powder Coated Gate And Post, Add	232.48	
			For 1" Mesh Fabric, Add	388.96	
			For 1-1/4" Mesh Fabric, Add	250.37	
			For 1-3/4" Mesh Fabric, Add	155.59	
			For 2-1/8" Mesh Fabric, Deduct	-77.79	
32 31 13	13	13-0314	EA 10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire.....	1,473.25	52.47
			For Gate With Single Barb Wire Arm, Add	144.73	
			For Gate With Double Barb Wire Arm, Add	210.52	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-246.71	
			For Aluminized Steel Gate And Post, Add	631.56	
			For Powder Coated Gate And Post, Add	342.10	
			For 1" Mesh Fabric, Add	572.36	
			For 1-1/4" Mesh Fabric, Add	368.41	
			For 1-3/4" Mesh Fabric, Add	228.94	
			For 2-1/8" Mesh Fabric, Deduct	-114.47	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0315	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	1,748.56	56.82
			<i>For Gate With Single Barb Wire Arm, Add</i>	173.57	
			<i>For Gate With Double Barb Wire Arm, Add</i>	252.47	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-295.86	
			<i>For Aluminized Steel Gate And Post, Add</i>	757.41	
			<i>For Powder Coated Gate And Post, Add</i>	410.26	
			<i>For 1" Mesh Fabric, Add</i>	686.40	
			<i>For 1-1/4" Mesh Fabric, Add</i>	441.82	
			<i>For 1-3/4" Mesh Fabric, Add</i>	274.56	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-137.28	
32 31 13	13-0316	EA	14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	2,076.00	76.91
			<i>For Gate With Single Barb Wire Arm, Add</i>	202.95	
			<i>For Gate With Double Barb Wire Arm, Add</i>	295.20	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-345.93	
			<i>For Aluminized Steel Gate And Post, Add</i>	885.59	
			<i>For Powder Coated Gate And Post, Add</i>	479.69	
			<i>For 1" Mesh Fabric, Add</i>	802.57	
			<i>For 1-1/4" Mesh Fabric, Add</i>	516.59	
			<i>For 1-3/4" Mesh Fabric, Add</i>	321.03	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-160.51	
32 31 13	13-0317	EA	16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	2,355.95	82.88
			<i>For Gate With Single Barb Wire Arm, Add</i>	231.79	
			<i>For Gate With Double Barb Wire Arm, Add</i>	337.15	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-395.09	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,011.44	
			<i>For Powder Coated Gate And Post, Add</i>	547.86	
			<i>For 1" Mesh Fabric, Add</i>	916.61	
			<i>For 1-1/4" Mesh Fabric, Add</i>	590.00	
			<i>For 1-3/4" Mesh Fabric, Add</i>	366.65	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-183.32	
32 31 13	13-0318	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	2,643.71	89.76
			<i>For Gate With Single Barb Wire Arm, Add</i>	261.16	
			<i>For Gate With Double Barb Wire Arm, Add</i>	379.87	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-445.16	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,139.61	
			<i>For Powder Coated Gate And Post, Add</i>	617.29	
			<i>For 1" Mesh Fabric, Add</i>	1,032.77	
			<i>For 1-1/4" Mesh Fabric, Add</i>	664.77	
			<i>For 1-3/4" Mesh Fabric, Add</i>	413.11	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-206.55	
32 31 13	13-0319	EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	2,935.26	97.93
			<i>For Gate With Single Barb Wire Arm, Add</i>	290.54	
			<i>For Gate With Double Barb Wire Arm, Add</i>	422.60	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-495.23	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,267.79	
			<i>For Powder Coated Gate And Post, Add</i>	686.72	
			<i>For 1" Mesh Fabric, Add</i>	1,148.94	
			<i>For 1-1/4" Mesh Fabric, Add</i>	739.54	
			<i>For 1-3/4" Mesh Fabric, Add</i>	459.57	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-229.79	
32 31 13	13-0320	EA	22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	3,226.84	107.74
			<i>For Gate With Single Barb Wire Arm, Add</i>	319.38	
			<i>For Gate With Double Barb Wire Arm, Add</i>	464.55	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-544.39	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,393.64	
			<i>For Powder Coated Gate And Post, Add</i>	754.89	
			<i>For 1" Mesh Fabric, Add</i>	1,262.98	
			<i>For 1-1/4" Mesh Fabric, Add</i>	812.95	
			<i>For 1-3/4" Mesh Fabric, Add</i>	505.19	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-252.60	
32 31 13	13-0321	EA	24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	3,527.39	119.66
			<i>For Gate With Single Barb Wire Arm, Add</i>	348.48	
			<i>For Gate With Double Barb Wire Arm, Add</i>	506.88	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-594.00	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,520.65	
			<i>For Powder Coated Gate And Post, Add</i>	823.69	
			<i>For 1" Mesh Fabric, Add</i>	1,378.09	
			<i>For 1-1/4" Mesh Fabric, Add</i>	887.05	
			<i>For 1-3/4" Mesh Fabric, Add</i>	551.24	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-275.62	
32 31 13	13-0322	EA	26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	3,834.00	134.63
			<i>For Gate With Single Barb Wire Arm, Add</i>	377.27	
			<i>For Gate With Double Barb Wire Arm, Add</i>	548.75	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-643.07	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,646.26	
			<i>For Powder Coated Gate And Post, Add</i>	891.72	
			<i>For 1" Mesh Fabric, Add</i>	1,491.92	
			<i>For 1-1/4" Mesh Fabric, Add</i>	960.32	
			<i>For 1-3/4" Mesh Fabric, Add</i>	596.77	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-298.38	
32 31 13	13-0323	EA	28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	4,156.85	153.83
			<i>For Gate With Single Barb Wire Arm, Add</i>	406.43	
			<i>For Gate With Double Barb Wire Arm, Add</i>	591.17	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-692.78	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,773.51	
			<i>For Powder Coated Gate And Post, Add</i>	960.65	
			<i>For 1" Mesh Fabric, Add</i>	1,607.24	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,034.55	
			<i>For 1-3/4" Mesh Fabric, Add</i>	642.90	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-321.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0324	EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,499.44	179.50
			<i>For Gate With Single Barb Wire Arm, Add</i>	435.64	
			<i>For Gate With Double Barb Wire Arm, Add</i>	633.66	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-742.57	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,900.99	
			<i>For Powder Coated Gate And Post, Add</i>	1,029.70	
			<i>For 1" Mesh Fabric, Add</i>	1,722.77	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,108.91	
			<i>For 1-3/4" Mesh Fabric, Add</i>	689.11	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-344.55	
32 31 13	13-0325		7' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13	13-0326	EA	3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	422.65	26.19
			<i>For Gate With Single Barb Wire Arm, Add</i>	37.83	
			<i>For Gate With Double Barb Wire Arm, Add</i>	55.03	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-64.48	
			<i>For Aluminized Steel Gate And Post, Add</i>	165.08	
			<i>For Powder Coated Gate And Post, Add</i>	89.42	
			<i>For 1" Mesh Fabric, Add</i>	149.60	
			<i>For 1-1/4" Mesh Fabric, Add</i>	96.29	
			<i>For 1-3/4" Mesh Fabric, Add</i>	59.84	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-29.92	
32 31 13	13-0327	EA	4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	535.94	26.19
			<i>For Gate With Single Barb Wire Arm, Add</i>	50.29	
			<i>For Gate With Double Barb Wire Arm, Add</i>	73.15	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-85.73	
			<i>For Aluminized Steel Gate And Post, Add</i>	219.46	
			<i>For Powder Coated Gate And Post, Add</i>	118.87	
			<i>For 1" Mesh Fabric, Add</i>	198.88	
			<i>For 1-1/4" Mesh Fabric, Add</i>	128.02	
			<i>For 1-3/4" Mesh Fabric, Add</i>	79.55	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-39.78	
32 31 13	13-0328	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	631.70	27.55
			<i>For Gate With Single Barb Wire Arm, Add</i>	60.39	
			<i>For Gate With Double Barb Wire Arm, Add</i>	87.83	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-102.93	
			<i>For Aluminized Steel Gate And Post, Add</i>	263.50	
			<i>For Powder Coated Gate And Post, Add</i>	142.73	
			<i>For 1" Mesh Fabric, Add</i>	238.80	
			<i>For 1-1/4" Mesh Fabric, Add</i>	153.71	
			<i>For 1-3/4" Mesh Fabric, Add</i>	95.52	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-47.76	
32 31 13	13-0329	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	774.25	33.53
			<i>For Gate With Single Barb Wire Arm, Add</i>	74.09	
			<i>For Gate With Double Barb Wire Arm, Add</i>	107.77	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-126.30	
			<i>For Aluminized Steel Gate And Post, Add</i>	323.32	
			<i>For Powder Coated Gate And Post, Add</i>	175.13	
			<i>For 1" Mesh Fabric, Add</i>	293.01	
			<i>For 1-1/4" Mesh Fabric, Add</i>	188.60	
			<i>For 1-3/4" Mesh Fabric, Add</i>	117.20	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-58.60	
32 31 13	13-0330	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	915.96	39.25
			<i>For Gate With Single Barb Wire Arm, Add</i>	87.81	
			<i>For Gate With Double Barb Wire Arm, Add</i>	127.72	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-149.67	
			<i>For Aluminized Steel Gate And Post, Add</i>	383.16	
			<i>For Powder Coated Gate And Post, Add</i>	207.54	
			<i>For 1" Mesh Fabric, Add</i>	347.23	
			<i>For 1-1/4" Mesh Fabric, Add</i>	223.51	
			<i>For 1-3/4" Mesh Fabric, Add</i>	138.89	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-69.45	
32 31 13	13-0331	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,058.49	45.13
			<i>For Gate With Single Barb Wire Arm, Add</i>	101.51	
			<i>For Gate With Double Barb Wire Arm, Add</i>	147.66	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-173.03	
			<i>For Aluminized Steel Gate And Post, Add</i>	442.97	
			<i>For Powder Coated Gate And Post, Add</i>	239.94	
			<i>For 1" Mesh Fabric, Add</i>	401.44	
			<i>For 1-1/4" Mesh Fabric, Add</i>	258.40	
			<i>For 1-3/4" Mesh Fabric, Add</i>	160.58	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-80.29	
32 31 13	13-0332	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,200.20	50.85
			<i>For Gate With Single Barb Wire Arm, Add</i>	115.23	
			<i>For Gate With Double Barb Wire Arm, Add</i>	167.60	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-196.41	
			<i>For Aluminized Steel Gate And Post, Add</i>	502.80	
			<i>For Powder Coated Gate And Post, Add</i>	272.35	
			<i>For 1" Mesh Fabric, Add</i>	455.67	
			<i>For 1-1/4" Mesh Fabric, Add</i>	293.30	
			<i>For 1-3/4" Mesh Fabric, Add</i>	182.27	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-91.13	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0333	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	1,320.29	56.82
			<i>For Gate With Single Barb Wire Arm, Add</i>	126.46	
			<i>For Gate With Double Barb Wire Arm, Add</i>	183.95	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-215.56	
			<i>For Aluminized Steel Gate And Post, Add</i>	551.84	
			<i>For Powder Coated Gate And Post, Add</i>	298.91	
			<i>For 1" Mesh Fabric, Add</i>	500.11	
			<i>For 1-1/4" Mesh Fabric, Add</i>	321.91	
			<i>For 1-3/4" Mesh Fabric, Add</i>	200.04	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-100.02	
32 31 13	13-0334	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	1,679.71	56.82
			<i>For Gate With Single Barb Wire Arm, Add</i>	166.00	
			<i>For Gate With Double Barb Wire Arm, Add</i>	241.45	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-282.95	
			<i>For Aluminized Steel Gate And Post, Add</i>	724.36	
			<i>For Powder Coated Gate And Post, Add</i>	392.36	
			<i>For 1" Mesh Fabric, Add</i>	656.45	
			<i>For 1-1/4" Mesh Fabric, Add</i>	422.55	
			<i>For 1-3/4" Mesh Fabric, Add</i>	262.58	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-131.29	
32 31 13	13-0335	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	1,909.01	76.91
			<i>For Gate With Single Barb Wire Arm, Add</i>	184.58	
			<i>For Gate With Double Barb Wire Arm, Add</i>	268.48	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-314.62	
			<i>For Aluminized Steel Gate And Post, Add</i>	805.44	
			<i>For Powder Coated Gate And Post, Add</i>	436.28	
			<i>For 1" Mesh Fabric, Add</i>	729.93	
			<i>For 1-1/4" Mesh Fabric, Add</i>	469.84	
			<i>For 1-3/4" Mesh Fabric, Add</i>	291.97	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-145.99	
32 31 13	13-0336	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	2,206.44	82.88
			<i>For Gate With Single Barb Wire Arm, Add</i>	215.34	
			<i>For Gate With Double Barb Wire Arm, Add</i>	313.22	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-367.06	
			<i>For Aluminized Steel Gate And Post, Add</i>	939.67	
			<i>For Powder Coated Gate And Post, Add</i>	508.99	
			<i>For 1" Mesh Fabric, Add</i>	851.58	
			<i>For 1-1/4" Mesh Fabric, Add</i>	548.14	
			<i>For 1-3/4" Mesh Fabric, Add</i>	340.63	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-170.32	
32 31 13	13-0337	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	2,483.49	89.76
			<i>For Gate With Single Barb Wire Arm, Add</i>	243.54	
			<i>For Gate With Double Barb Wire Arm, Add</i>	354.24	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-415.12	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,062.71	
			<i>For Powder Coated Gate And Post, Add</i>	575.63	
			<i>For 1" Mesh Fabric, Add</i>	963.08	
			<i>For 1-1/4" Mesh Fabric, Add</i>	619.91	
			<i>For 1-3/4" Mesh Fabric, Add</i>	385.23	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-192.62	
32 31 13	13-0338	EA	18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	2,789.60	97.93
			<i>For Gate With Single Barb Wire Arm, Add</i>	274.51	
			<i>For Gate With Double Barb Wire Arm, Add</i>	399.29	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-467.92	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,197.87	
			<i>For Powder Coated Gate And Post, Add</i>	648.85	
			<i>For 1" Mesh Fabric, Add</i>	1,085.57	
			<i>For 1-1/4" Mesh Fabric, Add</i>	698.76	
			<i>For 1-3/4" Mesh Fabric, Add</i>	434.23	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-217.11	
32 31 13	13-0339	EA	20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	3,095.75	107.74
			<i>For Gate With Single Barb Wire Arm, Add</i>	304.96	
			<i>For Gate With Double Barb Wire Arm, Add</i>	443.57	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-519.81	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,330.71	
			<i>For Powder Coated Gate And Post, Add</i>	720.80	
			<i>For 1" Mesh Fabric, Add</i>	1,205.96	
			<i>For 1-1/4" Mesh Fabric, Add</i>	776.25	
			<i>For 1-3/4" Mesh Fabric, Add</i>	482.38	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-241.19	
32 31 13	13-0340	EA	22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	3,408.44	119.66
			<i>For Gate With Single Barb Wire Arm, Add</i>	335.40	
			<i>For Gate With Double Barb Wire Arm, Add</i>	487.85	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-571.70	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,463.55	
			<i>For Powder Coated Gate And Post, Add</i>	792.76	
			<i>For 1" Mesh Fabric, Add</i>	1,326.35	
			<i>For 1-1/4" Mesh Fabric, Add</i>	853.74	
			<i>For 1-3/4" Mesh Fabric, Add</i>	530.54	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-265.27	
32 31 13	13-0341	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	3,730.10	134.63
			<i>For Gate With Single Barb Wire Arm, Add</i>	365.84	
			<i>For Gate With Double Barb Wire Arm, Add</i>	532.13	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-623.59	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,596.39	
			<i>For Powder Coated Gate And Post, Add</i>	864.71	
			<i>For 1" Mesh Fabric, Add</i>	1,446.73	
			<i>For 1-1/4" Mesh Fabric, Add</i>	931.23	
			<i>For 1-3/4" Mesh Fabric, Add</i>	578.69	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-289.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0342	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,064.60	153.83
			For Gate With Single Barb Wire Arm, Add	396.28	
			For Gate With Double Barb Wire Arm, Add	576.41	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-675.48	
			For Aluminized Steel Gate And Post, Add	1,729.23	
			For Powder Coated Gate And Post, Add	936.67	
			For 1" Mesh Fabric, Add	1,567.11	
			For 1-1/4" Mesh Fabric, Add	1,008.72	
			For 1-3/4" Mesh Fabric, Add	626.85	
			For 2-1/8" Mesh Fabric, Deduct	-313.42	
32 31 13	13-0343	EA	28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,418.35	179.50
			For Gate With Single Barb Wire Arm, Add	426.72	
			For Gate With Double Barb Wire Arm, Add	620.69	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-727.37	
			For Aluminized Steel Gate And Post, Add	1,862.06	
			For Powder Coated Gate And Post, Add	1,008.62	
			For 1" Mesh Fabric, Add	1,687.50	
			For 1-1/4" Mesh Fabric, Add	1,086.20	
			For 1-3/4" Mesh Fabric, Add	675.00	
			For 2-1/8" Mesh Fabric, Deduct	-337.50	
32 31 13	13-0344	EA	30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,802.91	215.39
			For Gate With Single Barb Wire Arm, Add	457.17	
			For Gate With Double Barb Wire Arm, Add	664.97	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-779.26	
			For Aluminized Steel Gate And Post, Add	1,994.90	
			For Powder Coated Gate And Post, Add	1,080.57	
			For 1" Mesh Fabric, Add	1,807.88	
			For 1-1/4" Mesh Fabric, Add	1,163.69	
			For 1-3/4" Mesh Fabric, Add	723.15	
			For 2-1/8" Mesh Fabric, Deduct	-361.58	
32 31 13	13-0345		8' Fence Height (32 31 13 13-0264)		
32 31 13	13-0346	EA	3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	496.03	28.40
			For Gate With Single Barb Wire Arm, Add	45.18	
			For Gate With Double Barb Wire Arm, Add	65.72	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-77.01	
			For Aluminized Steel Gate And Post, Add	197.15	
			For Powder Coated Gate And Post, Add	106.79	
			For 1" Mesh Fabric, Add	178.67	
			For 1-1/4" Mesh Fabric, Add	115.00	
			For 1-3/4" Mesh Fabric, Add	71.47	
			For 2-1/8" Mesh Fabric, Deduct	-35.73	
32 31 13	13-0347	EA	4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	632.94	28.40
			For Gate With Single Barb Wire Arm, Add	60.24	
			For Gate With Double Barb Wire Arm, Add	87.62	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-102.68	
			For Aluminized Steel Gate And Post, Add	262.87	
			For Powder Coated Gate And Post, Add	142.39	
			For 1" Mesh Fabric, Add	238.22	
			For 1-1/4" Mesh Fabric, Add	153.34	
			For 1-3/4" Mesh Fabric, Add	95.29	
			For 2-1/8" Mesh Fabric, Deduct	-47.64	
32 31 13	13-0348	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	739.21	31.65
			For Gate With Single Barb Wire Arm, Add	70.85	
			For Gate With Double Barb Wire Arm, Add	103.05	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-120.77	
			For Aluminized Steel Gate And Post, Add	309.16	
			For Powder Coated Gate And Post, Add	167.46	
			For 1" Mesh Fabric, Add	280.17	
			For 1-1/4" Mesh Fabric, Add	180.34	
			For 1-3/4" Mesh Fabric, Add	112.07	
			For 2-1/8" Mesh Fabric, Deduct	-56.03	
32 31 13	13-0349	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	848.03	35.83
			For Gate With Single Barb Wire Arm, Add	81.46	
			For Gate With Double Barb Wire Arm, Add	118.49	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-138.85	
			For Aluminized Steel Gate And Post, Add	355.46	
			For Powder Coated Gate And Post, Add	192.54	
			For 1" Mesh Fabric, Add	322.13	
			For 1-1/4" Mesh Fabric, Add	207.35	
			For 1-3/4" Mesh Fabric, Add	128.85	
			For 2-1/8" Mesh Fabric, Deduct	-64.43	
32 31 13	13-0350	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	966.67	43.17
			For Gate With Single Barb Wire Arm, Add	92.07	
			For Gate With Double Barb Wire Arm, Add	133.92	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-156.94	
			For Aluminized Steel Gate And Post, Add	401.76	
			For Powder Coated Gate And Post, Add	217.62	
			For 1" Mesh Fabric, Add	364.10	
			For 1-1/4" Mesh Fabric, Add	234.36	
			For 1-3/4" Mesh Fabric, Add	145.64	
			For 2-1/8" Mesh Fabric, Deduct	-72.82	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0351	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	1,084.44	50.25
			<i>For Gate With Single Barb Wire Arm, Add</i>	102.68	
			<i>For Gate With Double Barb Wire Arm, Add</i>	149.35	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-175.02	
			<i>For Aluminized Steel Gate And Post, Add</i>	448.06	
			<i>For Powder Coated Gate And Post, Add</i>	242.70	
			<i>For 1" Mesh Fabric, Add</i>	406.05	
			<i>For 1-1/4" Mesh Fabric, Add</i>	261.37	
			<i>For 1-3/4" Mesh Fabric, Add</i>	162.42	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-81.21	
32 31 13	13-0352	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	1,203.09	57.67
			<i>For Gate With Single Barb Wire Arm, Add</i>	113.29	
			<i>For Gate With Double Barb Wire Arm, Add</i>	164.79	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-193.11	
			<i>For Aluminized Steel Gate And Post, Add</i>	494.36	
			<i>For Powder Coated Gate And Post, Add</i>	267.78	
			<i>For 1" Mesh Fabric, Add</i>	448.01	
			<i>For 1-1/4" Mesh Fabric, Add</i>	288.37	
			<i>For 1-3/4" Mesh Fabric, Add</i>	179.20	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-89.60	
32 31 13	13-0353	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	1,321.72	65.09
			<i>For Gate With Single Barb Wire Arm, Add</i>	123.90	
			<i>For Gate With Double Barb Wire Arm, Add</i>	180.22	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-211.19	
			<i>For Aluminized Steel Gate And Post, Add</i>	540.66	
			<i>For Powder Coated Gate And Post, Add</i>	292.86	
			<i>For 1" Mesh Fabric, Add</i>	489.97	
			<i>For 1-1/4" Mesh Fabric, Add</i>	315.38	
			<i>For 1-3/4" Mesh Fabric, Add</i>	195.99	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-97.99	
32 31 13	13-0354	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	1,920.59	76.91
			<i>For Gate With Single Barb Wire Arm, Add</i>	185.85	
			<i>For Gate With Double Barb Wire Arm, Add</i>	270.33	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-316.79	
			<i>For Aluminized Steel Gate And Post, Add</i>	810.99	
			<i>For Powder Coated Gate And Post, Add</i>	439.29	
			<i>For 1" Mesh Fabric, Add</i>	734.96	
			<i>For 1-1/4" Mesh Fabric, Add</i>	473.08	
			<i>For 1-3/4" Mesh Fabric, Add</i>	293.99	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-146.99	
32 31 13	13-0355	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	2,263.70	82.88
			<i>For Gate With Single Barb Wire Arm, Add</i>	221.64	
			<i>For Gate With Double Barb Wire Arm, Add</i>	322.39	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-377.80	
			<i>For Aluminized Steel Gate And Post, Add</i>	967.16	
			<i>For Powder Coated Gate And Post, Add</i>	523.88	
			<i>For 1" Mesh Fabric, Add</i>	876.49	
			<i>For 1-1/4" Mesh Fabric, Add</i>	564.17	
			<i>For 1-3/4" Mesh Fabric, Add</i>	350.59	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-175.30	
32 31 13	13-0356	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	2,614.58	89.76
			<i>For Gate With Single Barb Wire Arm, Add</i>	257.96	
			<i>For Gate With Double Barb Wire Arm, Add</i>	375.21	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-439.70	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,125.63	
			<i>For Powder Coated Gate And Post, Add</i>	609.72	
			<i>For 1" Mesh Fabric, Add</i>	1,020.10	
			<i>For 1-1/4" Mesh Fabric, Add</i>	656.62	
			<i>For 1-3/4" Mesh Fabric, Add</i>	408.04	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-204.02	
32 31 13	13-0357	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	2,978.96	97.93
			<i>For Gate With Single Barb Wire Arm, Add</i>	295.34	
			<i>For Gate With Double Barb Wire Arm, Add</i>	429.59	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-503.42	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,288.77	
			<i>For Powder Coated Gate And Post, Add</i>	698.08	
			<i>For 1" Mesh Fabric, Add</i>	1,167.94	
			<i>For 1-1/4" Mesh Fabric, Add</i>	751.78	
			<i>For 1-3/4" Mesh Fabric, Add</i>	467.18	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-233.59	
32 31 13	13-0358	EA	18' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	3,348.22	107.74
			<i>For Gate With Single Barb Wire Arm, Add</i>	332.73	
			<i>For Gate With Double Barb Wire Arm, Add</i>	483.97	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-567.15	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,451.90	
			<i>For Powder Coated Gate And Post, Add</i>	786.45	
			<i>For 1" Mesh Fabric, Add</i>	1,315.78	
			<i>For 1-1/4" Mesh Fabric, Add</i>	846.94	
			<i>For 1-3/4" Mesh Fabric, Add</i>	526.31	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-263.16	
32 31 13	13-0359	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	3,719.17	119.66
			<i>For Gate With Single Barb Wire Arm, Add</i>	369.58	
			<i>For Gate With Double Barb Wire Arm, Add</i>	537.57	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-629.96	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,612.70	
			<i>For Powder Coated Gate And Post, Add</i>	873.55	
			<i>For 1" Mesh Fabric, Add</i>	1,461.51	
			<i>For 1-1/4" Mesh Fabric, Add</i>	940.74	
			<i>For 1-3/4" Mesh Fabric, Add</i>	584.61	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-292.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0360	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,094.24	134.63
			For Gate With Single Barb Wire Arm, Add	405.89	
			For Gate With Double Barb Wire Arm, Add	590.39	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-691.87	
			For Aluminized Steel Gate And Post, Add	1,771.18	
			For Powder Coated Gate And Post, Add	959.39	
			For 1" Mesh Fabric, Add	1,605.13	
			For 1-1/4" Mesh Fabric, Add	1,033.19	
			For 1-3/4" Mesh Fabric, Add	642.05	
			For 2-1/8" Mesh Fabric, Deduct	-321.03	
32 31 13	13-0361	EA	24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,491.86	153.83
			For Gate With Single Barb Wire Arm, Add	443.28	
			For Gate With Double Barb Wire Arm, Add	644.77	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-755.59	
			For Aluminized Steel Gate And Post, Add	1,934.31	
			For Powder Coated Gate And Post, Add	1,047.75	
			For 1" Mesh Fabric, Add	1,752.97	
			For 1-1/4" Mesh Fabric, Add	1,128.35	
			For 1-3/4" Mesh Fabric, Add	701.19	
			For 2-1/8" Mesh Fabric, Deduct	-350.59	
32 31 13	13-0362	EA	26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,908.73	179.50
			For Gate With Single Barb Wire Arm, Add	480.66	
			For Gate With Double Barb Wire Arm, Add	699.15	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-819.32	
			For Aluminized Steel Gate And Post, Add	2,097.45	
			For Powder Coated Gate And Post, Add	1,136.12	
			For 1" Mesh Fabric, Add	1,900.81	
			For 1-1/4" Mesh Fabric, Add	1,223.51	
			For 1-3/4" Mesh Fabric, Add	760.32	
			For 2-1/8" Mesh Fabric, Deduct	-380.16	
32 31 13	13-0363	EA	28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,351.55	215.39
			For Gate With Single Barb Wire Arm, Add	517.52	
			For Gate With Double Barb Wire Arm, Add	752.75	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-882.13	
			For Aluminized Steel Gate And Post, Add	2,258.25	
			For Powder Coated Gate And Post, Add	1,223.22	
			For 1" Mesh Fabric, Add	2,046.54	
			For 1-1/4" Mesh Fabric, Add	1,317.31	
			For 1-3/4" Mesh Fabric, Add	818.62	
			For 2-1/8" Mesh Fabric, Deduct	-409.31	
32 31 13	13-0364	EA	30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,848.27	269.26
			For Gate With Single Barb Wire Arm, Add	554.37	
			For Gate With Double Barb Wire Arm, Add	806.35	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-944.94	
			For Aluminized Steel Gate And Post, Add	2,419.06	
			For Powder Coated Gate And Post, Add	1,310.32	
			For 1" Mesh Fabric, Add	2,192.27	
			For 1-1/4" Mesh Fabric, Add	1,411.12	
			For 1-3/4" Mesh Fabric, Add	876.91	
			For 2-1/8" Mesh Fabric, Deduct	-438.45	
32 31 13	13-0365		10' Fence Height (32 31 13 13-0264)		
32 31 13	13-0366	EA	3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	625.92	31.56
			For Gate With Single Barb Wire Arm, Add	58.42	
			For Gate With Double Barb Wire Arm, Add	84.98	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-99.59	
			For Aluminized Steel Gate And Post, Add	254.94	
			For Powder Coated Gate And Post, Add	138.09	
			For 1" Mesh Fabric, Add	231.04	
			For 1-1/4" Mesh Fabric, Add	148.72	
			For 1-3/4" Mesh Fabric, Add	92.42	
			For 2-1/8" Mesh Fabric, Deduct	-46.21	
32 31 13	13-0367	EA	4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	802.96	31.56
			For Gate With Single Barb Wire Arm, Add	77.90	
			For Gate With Double Barb Wire Arm, Add	113.31	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-132.78	
			For Aluminized Steel Gate And Post, Add	339.92	
			For Powder Coated Gate And Post, Add	184.12	
			For 1" Mesh Fabric, Add	308.05	
			For 1-1/4" Mesh Fabric, Add	198.29	
			For 1-3/4" Mesh Fabric, Add	123.22	
			For 2-1/8" Mesh Fabric, Deduct	-61.61	
32 31 13	13-0368	EA	5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	931.87	32.93
			For Gate With Single Barb Wire Arm, Add	91.62	
			For Gate With Double Barb Wire Arm, Add	133.27	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-156.17	
			For Aluminized Steel Gate And Post, Add	399.80	
			For Powder Coated Gate And Post, Add	216.56	
			For 1" Mesh Fabric, Add	362.32	
			For 1-1/4" Mesh Fabric, Add	233.21	
			For 1-3/4" Mesh Fabric, Add	144.93	
			For 2-1/8" Mesh Fabric, Deduct	-72.46	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0369	EA	6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	1,080.49	40.95
			<i>For Gate With Single Barb Wire Arm, Add</i>	105.34	
			<i>For Gate With Double Barb Wire Arm, Add</i>	153.22	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-179.56	
			<i>For Aluminized Steel Gate And Post, Add</i>	459.67	
			<i>For Powder Coated Gate And Post, Add</i>	248.99	
			<i>For 1" Mesh Fabric, Add</i>	416.58	
			<i>For 1-1/4" Mesh Fabric, Add</i>	268.14	
			<i>For 1-3/4" Mesh Fabric, Add</i>	166.63	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-83.32	
32 31 13	13-0370	EA	7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	1,228.59	48.54
			<i>For Gate With Single Barb Wire Arm, Add</i>	119.06	
			<i>For Gate With Double Barb Wire Arm, Add</i>	173.18	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-202.94	
			<i>For Aluminized Steel Gate And Post, Add</i>	519.53	
			<i>For Powder Coated Gate And Post, Add</i>	281.41	
			<i>For 1" Mesh Fabric, Add</i>	470.82	
			<i>For 1-1/4" Mesh Fabric, Add</i>	303.06	
			<i>For 1-3/4" Mesh Fabric, Add</i>	188.33	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-94.16	
32 31 13	13-0371	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	1,376.84	56.56
			<i>For Gate With Single Barb Wire Arm, Add</i>	132.78	
			<i>For Gate With Double Barb Wire Arm, Add</i>	193.13	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-226.33	
			<i>For Aluminized Steel Gate And Post, Add</i>	579.40	
			<i>For Powder Coated Gate And Post, Add</i>	313.84	
			<i>For 1" Mesh Fabric, Add</i>	525.08	
			<i>For 1-1/4" Mesh Fabric, Add</i>	337.98	
			<i>For 1-3/4" Mesh Fabric, Add</i>	210.03	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-105.02	
32 31 13	13-0372	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	1,524.61	64.24
			<i>For Gate With Single Barb Wire Arm, Add</i>	146.50	
			<i>For Gate With Double Barb Wire Arm, Add</i>	213.09	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-249.72	
			<i>For Aluminized Steel Gate And Post, Add</i>	639.27	
			<i>For Powder Coated Gate And Post, Add</i>	346.27	
			<i>For 1" Mesh Fabric, Add</i>	579.34	
			<i>For 1-1/4" Mesh Fabric, Add</i>	372.91	
			<i>For 1-3/4" Mesh Fabric, Add</i>	231.74	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-115.87	
32 31 13	13-0373	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	1,673.24	72.17
			<i>For Gate With Single Barb Wire Arm, Add</i>	160.22	
			<i>For Gate With Double Barb Wire Arm, Add</i>	233.05	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-273.11	
			<i>For Aluminized Steel Gate And Post, Add</i>	699.15	
			<i>For Powder Coated Gate And Post, Add</i>	378.71	
			<i>For 1" Mesh Fabric, Add</i>	633.60	
			<i>For 1-1/4" Mesh Fabric, Add</i>	407.84	
			<i>For 1-3/4" Mesh Fabric, Add</i>	253.44	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-126.72	
32 31 13	13-0374	EA	10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire.....	2,441.51	85.50
			<i>For Gate With Single Barb Wire Arm, Add</i>	240.33	
			<i>For Gate With Double Barb Wire Arm, Add</i>	349.57	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-409.65	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,048.71	
			<i>For Powder Coated Gate And Post, Add</i>	568.05	
			<i>For 1" Mesh Fabric, Add</i>	950.40	
			<i>For 1-1/4" Mesh Fabric, Add</i>	611.75	
			<i>For 1-3/4" Mesh Fabric, Add</i>	380.16	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-190.08	
32 31 13	13-0375	EA	12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire.....	2,655.42	91.98
			<i>For Gate With Single Barb Wire Arm, Add</i>	261.70	
			<i>For Gate With Double Barb Wire Arm, Add</i>	380.65	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-446.08	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,141.96	
			<i>For Powder Coated Gate And Post, Add</i>	618.56	
			<i>For 1" Mesh Fabric, Add</i>	1,034.90	
			<i>For 1-1/4" Mesh Fabric, Add</i>	666.14	
			<i>For 1-3/4" Mesh Fabric, Add</i>	413.96	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-206.98	
32 31 13	13-0376	EA	14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire.....	3,028.09	99.76
			<i>For Gate With Single Barb Wire Arm, Add</i>	300.15	
			<i>For Gate With Double Barb Wire Arm, Add</i>	436.58	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-511.62	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,309.74	
			<i>For Powder Coated Gate And Post, Add</i>	709.44	
			<i>For 1" Mesh Fabric, Add</i>	1,186.95	
			<i>For 1-1/4" Mesh Fabric, Add</i>	764.01	
			<i>For 1-3/4" Mesh Fabric, Add</i>	474.78	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-237.39	
32 31 13	13-0377	EA	16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire.....	3,443.60	108.75
			<i>For Gate With Single Barb Wire Arm, Add</i>	342.87	
			<i>For Gate With Double Barb Wire Arm, Add</i>	498.73	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-584.45	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,496.18	
			<i>For Powder Coated Gate And Post, Add</i>	810.43	
			<i>For 1" Mesh Fabric, Add</i>	1,355.91	
			<i>For 1-1/4" Mesh Fabric, Add</i>	872.77	
			<i>For 1-3/4" Mesh Fabric, Add</i>	542.36	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-271.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0378	EA	18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,864.82	119.66
			For Gate With Single Barb Wire Arm, Add	385.60	
			For Gate With Double Barb Wire Arm, Add	560.87	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-657.27	
			For Aluminized Steel Gate And Post, Add	1,682.62	
			For Powder Coated Gate And Post, Add	911.42	
			For 1" Mesh Fabric, Add	1,524.87	
			For 1-1/4" Mesh Fabric, Add	981.53	
			For 1-3/4" Mesh Fabric, Add	609.95	
			For 2-1/8" Mesh Fabric, Deduct	-304.97	
32 31 13	13-0379	EA	20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,295.40	132.91
			For Gate With Single Barb Wire Arm, Add	428.59	
			For Gate With Double Barb Wire Arm, Add	623.41	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-730.56	
			For Aluminized Steel Gate And Post, Add	1,870.22	
			For Powder Coated Gate And Post, Add	1,013.04	
			For 1" Mesh Fabric, Add	1,694.89	
			For 1-1/4" Mesh Fabric, Add	1,090.96	
			For 1-3/4" Mesh Fabric, Add	677.96	
			For 2-1/8" Mesh Fabric, Deduct	-338.98	
32 31 13	13-0380	EA	22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,736.35	149.58
			For Gate With Single Barb Wire Arm, Add	471.59	
			For Gate With Double Barb Wire Arm, Add	685.94	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-803.84	
			For Aluminized Steel Gate And Post, Add	2,057.83	
			For Powder Coated Gate And Post, Add	1,114.66	
			For 1" Mesh Fabric, Add	1,864.91	
			For 1-1/4" Mesh Fabric, Add	1,200.40	
			For 1-3/4" Mesh Fabric, Add	745.96	
			For 2-1/8" Mesh Fabric, Deduct	-372.98	
32 31 13	13-0381	EA	24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,188.61	170.81
			For Gate With Single Barb Wire Arm, Add	514.31	
			For Gate With Double Barb Wire Arm, Add	748.09	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-876.67	
			For Aluminized Steel Gate And Post, Add	2,244.27	
			For Powder Coated Gate And Post, Add	1,215.65	
			For 1" Mesh Fabric, Add	2,033.87	
			For 1-1/4" Mesh Fabric, Add	1,309.16	
			For 1-3/4" Mesh Fabric, Add	813.55	
			For 2-1/8" Mesh Fabric, Deduct	-406.77	
32 31 13	13-0382	EA	26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,662.92	199.41
			For Gate With Single Barb Wire Arm, Add	557.04	
			For Gate With Double Barb Wire Arm, Add	810.24	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-949.49	
			For Aluminized Steel Gate And Post, Add	2,430.71	
			For Powder Coated Gate And Post, Add	1,316.63	
			For 1" Mesh Fabric, Add	2,202.83	
			For 1-1/4" Mesh Fabric, Add	1,417.91	
			For 1-3/4" Mesh Fabric, Add	881.13	
			For 2-1/8" Mesh Fabric, Deduct	-440.57	
32 31 13	13-0383	EA	28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,170.48	239.14
			For Gate With Single Barb Wire Arm, Add	599.76	
			For Gate With Double Barb Wire Arm, Add	872.38	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,022.32	
			For Aluminized Steel Gate And Post, Add	2,617.15	
			For Powder Coated Gate And Post, Add	1,417.62	
			For 1" Mesh Fabric, Add	2,371.79	
			For 1-1/4" Mesh Fabric, Add	1,526.67	
			For 1-3/4" Mesh Fabric, Add	948.72	
			For 2-1/8" Mesh Fabric, Deduct	-474.36	
32 31 13	13-0384	EA	30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,744.07	299.18
			For Gate With Single Barb Wire Arm, Add	643.02	
			For Gate With Double Barb Wire Arm, Add	935.31	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,096.06	
			For Aluminized Steel Gate And Post, Add	2,805.92	
			For Powder Coated Gate And Post, Add	1,519.87	
			For 1" Mesh Fabric, Add	2,542.86	
			For 1-1/4" Mesh Fabric, Add	1,636.78	
			For 1-3/4" Mesh Fabric, Add	1,017.14	
			For 2-1/8" Mesh Fabric, Deduct	-508.57	
32 31 13	13-0385		12' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13	13-0386	EA	3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	785.16	35.07
			For Gate With Single Barb Wire Arm, Add	74.78	
			For Gate With Double Barb Wire Arm, Add	108.77	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-127.47	
			For Aluminized Steel Gate And Post, Add	326.32	
			For Powder Coated Gate And Post, Add	176.76	
			For 1" Mesh Fabric, Add	295.73	
			For 1-1/4" Mesh Fabric, Add	190.36	
			For 1-3/4" Mesh Fabric, Add	118.29	
			For 2-1/8" Mesh Fabric, Deduct	-59.15	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0387	EA	4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	1,011.77	35.07
			<i>For Gate With Single Barb Wire Arm, Add</i>	99.71	
			<i>For Gate With Double Barb Wire Arm, Add</i>	145.03	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-169.96	
			<i>For Aluminized Steel Gate And Post, Add</i>	435.10	
			<i>For Powder Coated Gate And Post, Add</i>	235.68	
			<i>For 1" Mesh Fabric, Add</i>	394.31	
			<i>For 1-1/4" Mesh Fabric, Add</i>	253.81	
			<i>For 1-3/4" Mesh Fabric, Add</i>	157.72	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-78.86	
32 31 13	13-0388	EA	5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	1,175.31	36.35
			<i>For Gate With Single Barb Wire Arm, Add</i>	117.27	
			<i>For Gate With Double Barb Wire Arm, Add</i>	170.58	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-199.90	
			<i>For Aluminized Steel Gate And Post, Add</i>	511.74	
			<i>For Powder Coated Gate And Post, Add</i>	277.19	
			<i>For 1" Mesh Fabric, Add</i>	463.76	
			<i>For 1-1/4" Mesh Fabric, Add</i>	298.51	
			<i>For 1-3/4" Mesh Fabric, Add</i>	185.50	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-92.75	
32 31 13	13-0389	EA	6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	1,361.42	45.13
			<i>For Gate With Single Barb Wire Arm, Add</i>	134.84	
			<i>For Gate With Double Barb Wire Arm, Add</i>	196.12	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-229.83	
			<i>For Aluminized Steel Gate And Post, Add</i>	588.37	
			<i>For Powder Coated Gate And Post, Add</i>	318.70	
			<i>For 1" Mesh Fabric, Add</i>	533.21	
			<i>For 1-1/4" Mesh Fabric, Add</i>	343.22	
			<i>For 1-3/4" Mesh Fabric, Add</i>	213.29	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-106.64	
32 31 13	13-0390	EA	7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	420.06	54.00
			<i>For Gate With Single Barb Wire Arm, Add</i>	28.38	
			<i>For Gate With Double Barb Wire Arm, Add</i>	41.28	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-48.37	
			<i>For Aluminized Steel Gate And Post, Add</i>	123.83	
			<i>For Powder Coated Gate And Post, Add</i>	67.07	
			<i>For 1" Mesh Fabric, Add</i>	112.22	
			<i>For 1-1/4" Mesh Fabric, Add</i>	72.23	
			<i>For 1-3/4" Mesh Fabric, Add</i>	44.89	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-22.44	
32 31 13	13-0391	EA	8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	475.38	62.53
			<i>For Gate With Single Barb Wire Arm, Add</i>	31.65	
			<i>For Gate With Double Barb Wire Arm, Add</i>	46.03	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-53.94	
			<i>For Aluminized Steel Gate And Post, Add</i>	138.10	
			<i>For Powder Coated Gate And Post, Add</i>	74.80	
			<i>For 1" Mesh Fabric, Add</i>	125.15	
			<i>For 1-1/4" Mesh Fabric, Add</i>	80.56	
			<i>For 1-3/4" Mesh Fabric, Add</i>	50.06	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-25.03	
32 31 13	13-0392	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	531.55	71.32
			<i>For Gate With Single Barb Wire Arm, Add</i>	34.92	
			<i>For Gate With Double Barb Wire Arm, Add</i>	50.79	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-59.52	
			<i>For Aluminized Steel Gate And Post, Add</i>	152.37	
			<i>For Powder Coated Gate And Post, Add</i>	82.53	
			<i>For 1" Mesh Fabric, Add</i>	138.08	
			<i>For 1-1/4" Mesh Fabric, Add</i>	88.88	
			<i>For 1-3/4" Mesh Fabric, Add</i>	55.23	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-27.62	
32 31 13	13-0393	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	587.73	80.10
			<i>For Gate With Single Barb Wire Arm, Add</i>	38.19	
			<i>For Gate With Double Barb Wire Arm, Add</i>	55.55	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-65.09	
			<i>For Aluminized Steel Gate And Post, Add</i>	166.64	
			<i>For Powder Coated Gate And Post, Add</i>	90.26	
			<i>For 1" Mesh Fabric, Add</i>	151.01	
			<i>For 1-1/4" Mesh Fabric, Add</i>	97.20	
			<i>For 1-3/4" Mesh Fabric, Add</i>	60.41	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-30.20	
32 31 13	13-0394	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire.....	768.89	95.01
			<i>For Gate With Single Barb Wire Arm, Add</i>	53.20	
			<i>For Gate With Double Barb Wire Arm, Add</i>	77.39	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-90.69	
			<i>For Aluminized Steel Gate And Post, Add</i>	232.17	
			<i>For Powder Coated Gate And Post, Add</i>	125.76	
			<i>For 1" Mesh Fabric, Add</i>	210.40	
			<i>For 1-1/4" Mesh Fabric, Add</i>	135.43	
			<i>For 1-3/4" Mesh Fabric, Add</i>	84.16	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-42.08	
32 31 13	13-0395	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire.....	838.57	102.29
			<i>For Gate With Single Barb Wire Arm, Add</i>	58.48	
			<i>For Gate With Double Barb Wire Arm, Add</i>	85.06	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-99.68	
			<i>For Aluminized Steel Gate And Post, Add</i>	255.17	
			<i>For Powder Coated Gate And Post, Add</i>	138.22	
			<i>For 1" Mesh Fabric, Add</i>	231.25	
			<i>For 1-1/4" Mesh Fabric, Add</i>	148.85	
			<i>For 1-3/4" Mesh Fabric, Add</i>	92.50	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-46.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0396	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	942.09 67.03 97.50 -114.25 292.49 158.43 265.07 170.62 106.03 -53.01	110.78
32 31 13	13-0397	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	1,059.05 76.58 111.38 -130.53 334.15 181.00 302.82 194.92 121.13 -60.56	120.78
32 31 13	13-0398	EA	18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	4,603.70 462.51 672.74 -788.36 2,018.21 1,093.20 1,829.00 1,177.29 731.60 -365.80	133.01
32 31 13	13-0399	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	5,118.85 514.31 748.09 -876.67 2,244.27 1,215.65 2,033.87 1,309.16 813.55 -406.77	147.66
32 31 13	13-0400	EA	22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	5,640.78 565.58 822.67 -964.06 2,468.00 1,336.83 2,236.62 1,439.66 894.65 -447.32	166.16
32 31 13	13-0401	EA	24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	6,182.67 617.39 898.02 -1,052.36 2,694.05 1,459.28 2,441.49 1,571.53 976.59 -488.30	189.81
32 31 13	13-0402	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	6,739.36 668.12 971.82 -1,138.85 2,915.45 1,579.20 2,642.13 1,700.68 1,056.85 -528.43	221.65
32 31 13	13-0403	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	7,337.83 719.39 1,046.39 -1,226.24 3,139.18 1,700.39 2,844.88 1,831.19 1,137.95 -568.98	265.71
32 31 13	13-0404	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	8,009.15 771.20 1,121.75 -1,314.55 3,365.24 1,822.84 3,049.75 1,963.05 1,219.90 -609.95	332.43

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0405	<b>Vinyl Coated Without Barb Wire Arm</b> <small>(32 31 13 13-0263)</small> Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0406	<b>4' Fence Height</b> <small>(32 31 13 13-0405)</small>		
32 31 13 13-0407	EA 3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	124.31 -11.31 26.24 16.89 10.50 -5.25 6.64 9.65	21.32
32 31 13 13-0408	EA 4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	144.42 -15.08 34.99 22.52 14.00 -7.00 8.85 12.87	21.32
32 31 13 13-0409	EA 5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	165.45 -18.23 42.28 27.22 16.91 -8.46 10.69 15.55	22.69
32 31 13 13-0410	EA 6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	195.84 -21.37 49.57 31.91 19.83 -9.91 12.53 18.23	27.29
32 31 13 13-0411	EA 7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	226.25 -24.51 56.86 36.60 22.74 -11.37 14.38 20.91	31.82
32 31 13 13-0412	EA 8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	256.66 -27.65 64.15 41.29 25.66 -12.83 16.22 23.60	36.35
32 31 13 13-0413	EA 9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	287.07 -30.79 71.44 45.98 28.58 -14.29 18.07 26.28	40.95
32 31 13 13-0414	EA 10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	317.47 -33.93 78.73 50.67 31.49 -15.75 19.91 28.96	45.47
32 31 13 13-0415	EA 10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	377.80 -45.25 104.97 67.57 41.99 -20.99 26.54 38.61	45.47
32 31 13 13-0416	EA 12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	435.81 -54.29 125.96 81.08 50.39 -25.19 31.85 46.33	48.71

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0417	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	495.32 -63.34 146.96 94.59 58.78 -29.39 37.16 54.05	52.47
32 31 13	13-0418	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	556.72 -72.39 167.95 108.11 67.18 -33.59 42.47 61.78	56.82
32 31 13	13-0419	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	649.98 -81.44 188.95 121.62 75.58 -37.79 47.78 69.50	71.76
32 31 13	13-0420	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	713.64 -90.49 209.94 135.13 83.98 -41.99 53.09 77.22	76.91
32 31 13	13-0421	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	779.67 -99.54 230.93 148.65 92.37 -46.19 58.40 84.94	82.88
32 31 13	13-0422	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	848.67 -108.59 251.93 162.16 100.77 -50.39 63.71 92.66	89.76
32 31 13	13-0423	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	921.44 -117.64 272.92 175.67 109.17 -54.58 69.02 100.39	97.93
32 31 13	13-0424	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	999.10 -126.69 293.92 189.19 117.57 -58.78 74.32 108.11	107.74
32 31 13	13-0425	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,083.30 -135.74 314.91 202.70 125.96 -62.98 79.63 115.83	119.66
32 31 13	13-0426		<b>5' Fence Height</b> (32 31 13 13-0405)		
32 31 13	13-0427	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	143.00 -14.02 32.52 20.93 13.01 -6.50 8.22 11.96	22.69
32 31 13	13-0428	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	167.92 -18.69 43.36 27.91 17.34 -8.67 10.96 15.95	22.69

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0429	EA 5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	190.88	24.14
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-22.19	
	For 1" Mesh Fabric, Add	51.49	
	For 1-1/4" Mesh Fabric, Add	33.14	
	For 1-3/4" Mesh Fabric, Add	20.60	
	For 2-1/8" Mesh Fabric, Deduct	-10.30	
	For Gate With Single Barb Wire Arm, Add	13.02	
	For Gate With Double Barb Wire Arm, Add	18.94	
32 31 13 13-0430	EA 6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	224.06	29.00
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-25.70	
	For 1" Mesh Fabric, Add	59.62	
	For 1-1/4" Mesh Fabric, Add	38.37	
	For 1-3/4" Mesh Fabric, Add	23.85	
	For 2-1/8" Mesh Fabric, Deduct	-11.92	
	For Gate With Single Barb Wire Arm, Add	15.08	
	For Gate With Double Barb Wire Arm, Add	21.93	
32 31 13 13-0431	EA 7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	257.26	33.79
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-29.20	
	For 1" Mesh Fabric, Add	67.75	
	For 1-1/4" Mesh Fabric, Add	43.61	
	For 1-3/4" Mesh Fabric, Add	27.10	
	For 2-1/8" Mesh Fabric, Deduct	-13.55	
	For Gate With Single Barb Wire Arm, Add	17.13	
	For Gate With Double Barb Wire Arm, Add	24.92	
32 31 13 13-0432	EA 8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	291.30	38.90
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-32.71	
	For 1" Mesh Fabric, Add	75.88	
	For 1-1/4" Mesh Fabric, Add	48.84	
	For 1-3/4" Mesh Fabric, Add	30.35	
	For 2-1/8" Mesh Fabric, Deduct	-15.18	
	For Gate With Single Barb Wire Arm, Add	19.19	
	For Gate With Double Barb Wire Arm, Add	27.91	
32 31 13 13-0433	EA 9' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	324.49	43.77
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-36.21	
	For 1" Mesh Fabric, Add	84.01	
	For 1-1/4" Mesh Fabric, Add	54.07	
	For 1-3/4" Mesh Fabric, Add	33.60	
	For 2-1/8" Mesh Fabric, Deduct	-16.80	
	For Gate With Single Barb Wire Arm, Add	21.24	
	For Gate With Double Barb Wire Arm, Add	30.90	
32 31 13 13-0434	EA 10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	357.67	48.54
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-39.71	
	For 1" Mesh Fabric, Add	92.13	
	For 1-1/4" Mesh Fabric, Add	59.30	
	For 1-3/4" Mesh Fabric, Add	36.85	
	For 2-1/8" Mesh Fabric, Deduct	-18.43	
	For Gate With Single Barb Wire Arm, Add	23.30	
	For Gate With Double Barb Wire Arm, Add	33.89	
32 31 13 13-0435	EA 10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	445.26	48.71
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-56.07	
	For 1" Mesh Fabric, Add	130.07	
	For 1-1/4" Mesh Fabric, Add	83.73	
	For 1-3/4" Mesh Fabric, Add	52.03	
	For 2-1/8" Mesh Fabric, Deduct	-26.01	
	For Gate With Single Barb Wire Arm, Add	32.89	
	For Gate With Double Barb Wire Arm, Add	47.84	
32 31 13 13-0436	EA 12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	516.31	52.47
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-67.28	
	For 1" Mesh Fabric, Add	156.09	
	For 1-1/4" Mesh Fabric, Add	100.47	
	For 1-3/4" Mesh Fabric, Add	62.43	
	For 2-1/8" Mesh Fabric, Deduct	-31.22	
	For Gate With Single Barb Wire Arm, Add	39.47	
	For Gate With Double Barb Wire Arm, Add	57.41	
32 31 13 13-0437	EA 14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	589.24	56.82
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-78.49	
	For 1" Mesh Fabric, Add	182.10	
	For 1-1/4" Mesh Fabric, Add	117.21	
	For 1-3/4" Mesh Fabric, Add	72.84	
	For 2-1/8" Mesh Fabric, Deduct	-36.42	
	For Gate With Single Barb Wire Arm, Add	46.05	
	For Gate With Double Barb Wire Arm, Add	66.98	
32 31 13 13-0438	EA 16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	694.05	71.76
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-89.71	
	For 1" Mesh Fabric, Add	208.12	
	For 1-1/4" Mesh Fabric, Add	133.96	
	For 1-3/4" Mesh Fabric, Add	83.25	
	For 2-1/8" Mesh Fabric, Deduct	-41.62	
	For Gate With Single Barb Wire Arm, Add	52.63	
	For Gate With Double Barb Wire Arm, Add	76.55	
32 31 13 13-0439	EA 18' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	769.25	76.91
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-100.92	
	For 1" Mesh Fabric, Add	234.13	
	For 1-1/4" Mesh Fabric, Add	150.70	
	For 1-3/4" Mesh Fabric, Add	93.65	
	For 2-1/8" Mesh Fabric, Deduct	-46.83	
	For Gate With Single Barb Wire Arm, Add	59.21	
	For Gate With Double Barb Wire Arm, Add	86.12	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0440	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	846.82 -112.13 260.14 167.45 104.06 -52.03 65.78 95.68	82.88
32 31 13	13-0441	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	927.36 -123.35 286.16 184.20 114.46 -57.23 72.36 105.25	89.76
32 31 13	13-0442	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,011.67 -134.56 312.17 200.94 124.87 -62.43 78.94 114.82	97.93
32 31 13	13-0443	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,100.87 -145.77 338.19 217.68 135.27 -67.64 85.52 124.39	107.74
32 31 13	13-0444	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,196.62 -156.98 364.20 234.43 145.68 -72.84 92.10 133.96	119.66
32 31 13	13-0445	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,301.34 -168.20 390.22 251.17 156.09 -78.04 98.68 143.53	134.63
32 31 13	13-0446	6' Fence Height (32 31 13 13-0405)			
32 31 13	13-0447	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	153.01 -14.98 34.75 22.37 13.90 -6.95 8.79 12.78	24.31
32 31 13	13-0448	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	179.64 -19.97 46.34 29.83 18.53 -9.27 11.72 17.04	24.31
32 31 13	13-0449	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	204.13 -23.72 55.03 35.42 22.01 -11.01 13.92 20.24	25.84
32 31 13	13-0450	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	240.30 -27.46 63.71 41.01 25.49 -12.74 16.11 23.44	31.22
32 31 13	13-0451	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	276.49 -31.21 72.40 46.60 28.96 -14.48 18.31 26.63	36.69

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

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MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0452	EA 8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	311.81	41.80
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.95	
	For 1" Mesh Fabric, Add	81.09	
	For 1-1/4" Mesh Fabric, Add	52.19	
	For 1-3/4" Mesh Fabric, Add	32.44	
	For 2-1/8" Mesh Fabric, Deduct	-16.22	
	For Gate With Single Barb Wire Arm, Add	20.51	
	For Gate With Double Barb Wire Arm, Add	29.83	
32 31 13 13-0453	EA 9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	348.00	47.18
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-38.70	
	For 1" Mesh Fabric, Add	89.78	
	For 1-1/4" Mesh Fabric, Add	57.79	
	For 1-3/4" Mesh Fabric, Add	35.91	
	For 2-1/8" Mesh Fabric, Deduct	-17.96	
	For Gate With Single Barb Wire Arm, Add	22.70	
	For Gate With Double Barb Wire Arm, Add	33.02	
32 31 13 13-0454	EA 10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	384.19	52.55
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-42.44	
	For 1" Mesh Fabric, Add	98.47	
	For 1-1/4" Mesh Fabric, Add	63.38	
	For 1-3/4" Mesh Fabric, Add	39.39	
	For 2-1/8" Mesh Fabric, Deduct	-19.69	
	For Gate With Single Barb Wire Arm, Add	24.90	
	For Gate With Double Barb Wire Arm, Add	36.22	
32 31 13 13-0455	EA 10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	477.05	52.47
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.92	
	For 1" Mesh Fabric, Add	139.01	
	For 1-1/4" Mesh Fabric, Add	89.48	
	For 1-3/4" Mesh Fabric, Add	55.60	
	For 2-1/8" Mesh Fabric, Deduct	-27.80	
	For Gate With Single Barb Wire Arm, Add	35.15	
	For Gate With Double Barb Wire Arm, Add	51.13	
32 31 13 13-0456	EA 12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	554.10	56.82
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.90	
	For 1" Mesh Fabric, Add	166.81	
	For 1-1/4" Mesh Fabric, Add	107.37	
	For 1-3/4" Mesh Fabric, Add	66.73	
	For 2-1/8" Mesh Fabric, Deduct	-33.36	
	For Gate With Single Barb Wire Arm, Add	42.18	
	For Gate With Double Barb Wire Arm, Add	61.36	
32 31 13 13-0457	EA 14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	678.41	76.91
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-83.89	
	For 1" Mesh Fabric, Add	194.61	
	For 1-1/4" Mesh Fabric, Add	125.27	
	For 1-3/4" Mesh Fabric, Add	77.85	
	For 2-1/8" Mesh Fabric, Deduct	-38.92	
	For Gate With Single Barb Wire Arm, Add	49.21	
	For Gate With Double Barb Wire Arm, Add	71.58	
32 31 13 13-0458	EA 16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	760.09	82.88
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-95.87	
	For 1" Mesh Fabric, Add	222.42	
	For 1-1/4" Mesh Fabric, Add	143.16	
	For 1-3/4" Mesh Fabric, Add	88.97	
	For 2-1/8" Mesh Fabric, Deduct	-44.48	
	For Gate With Single Barb Wire Arm, Add	56.24	
	For Gate With Double Barb Wire Arm, Add	81.81	
32 31 13 13-0459	EA 18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	844.73	89.76
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-107.85	
	For 1" Mesh Fabric, Add	250.22	
	For 1-1/4" Mesh Fabric, Add	161.06	
	For 1-3/4" Mesh Fabric, Add	100.09	
	For 2-1/8" Mesh Fabric, Deduct	-50.04	
	For Gate With Single Barb Wire Arm, Add	63.27	
	For Gate With Double Barb Wire Arm, Add	92.03	
32 31 13 13-0460	EA 20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	944.97	97.93
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-122.05	
	For 1" Mesh Fabric, Add	283.16	
	For 1-1/4" Mesh Fabric, Add	182.26	
	For 1-3/4" Mesh Fabric, Add	113.26	
	For 2-1/8" Mesh Fabric, Deduct	-56.63	
	For Gate With Single Barb Wire Arm, Add	71.60	
	For Gate With Double Barb Wire Arm, Add	104.15	
32 31 13 13-0461	EA 22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,028.61	107.74
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-132.22	
	For 1" Mesh Fabric, Add	306.75	
	For 1-1/4" Mesh Fabric, Add	197.45	
	For 1-3/4" Mesh Fabric, Add	122.70	
	For 2-1/8" Mesh Fabric, Deduct	-61.35	
	For Gate With Single Barb Wire Arm, Add	77.57	
	For Gate With Double Barb Wire Arm, Add	112.83	
32 31 13 13-0462	EA 24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,126.32	119.66
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-143.80	
	For 1" Mesh Fabric, Add	333.62	
	For 1-1/4" Mesh Fabric, Add	214.75	
	For 1-3/4" Mesh Fabric, Add	133.45	
	For 2-1/8" Mesh Fabric, Deduct	-66.72	
	For Gate With Single Barb Wire Arm, Add	84.36	
	For Gate With Double Barb Wire Arm, Add	122.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0463	EA		26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,235.15 -155.79 361.42 232.64 144.57 -72.28 91.39 132.94	134.63
32 31 13 13-0464	EA		28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,356.82 -167.77 389.23 250.54 155.69 -77.85 98.43 143.16	153.83
32 31 13 13-0465	EA		30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,497.74 -179.75 417.03 268.43 166.81 -83.41 105.46 153.39	179.50
<b>32 31 13 13-0466 7' Fence Height (32 31 13 13-0465)</b>					
32 31 13 13-0467	EA		3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	162.65 -15.73 36.50 23.49 14.60 -7.30 9.23 13.43	26.19
32 31 13 13-0468	EA		4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	190.63 -20.98 48.67 31.33 19.47 -9.73 12.31 17.90	26.19
32 31 13 13-0469	EA		5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	215.61 -24.91 57.80 37.20 23.12 -11.56 14.62 21.26	27.55
32 31 13 13-0470	EA		6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	254.51 -28.85 66.92 43.08 26.77 -13.38 16.92 24.61	33.53
32 31 13 13-0471	EA		7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	292.55 -32.78 76.05 48.95 30.42 -15.21 19.23 27.97	39.25
32 31 13 13-0472	EA		8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	331.45 -36.71 85.18 54.83 34.07 -17.04 21.54 31.33	45.13
32 31 13 13-0473	EA		9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	369.47 -40.65 94.30 60.70 37.72 -18.86 23.85 34.68	50.85
32 31 13 13-0474	EA		10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	408.39 -44.58 103.43 66.58 41.37 -20.69 26.15 38.04	56.82

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0475	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	506.28	56.82
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-62.94	
			For 1" Mesh Fabric, Add	146.01	
			For 1-1/4" Mesh Fabric, Add	93.98	
			For 1-3/4" Mesh Fabric, Add	58.40	
			For 2-1/8" Mesh Fabric, Deduct	-29.20	
			For Gate With Single Barb Wire Arm, Add	36.92	
			For Gate With Double Barb Wire Arm, Add	53.71	
32 31 13	13-0476	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	633.80	76.91
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-75.52	
			For 1" Mesh Fabric, Add	175.21	
			For 1-1/4" Mesh Fabric, Add	112.78	
			For 1-3/4" Mesh Fabric, Add	70.08	
			For 2-1/8" Mesh Fabric, Deduct	-35.04	
			For Gate With Single Barb Wire Arm, Add	44.31	
			For Gate With Double Barb Wire Arm, Add	64.44	
32 31 13	13-0477	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	718.71	82.88
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-88.11	
			For 1" Mesh Fabric, Add	204.42	
			For 1-1/4" Mesh Fabric, Add	131.58	
			For 1-3/4" Mesh Fabric, Add	81.77	
			For 2-1/8" Mesh Fabric, Deduct	-40.88	
			For Gate With Single Barb Wire Arm, Add	51.69	
			For Gate With Double Barb Wire Arm, Add	75.19	
32 31 13	13-0478	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	806.57	89.76
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-100.70	
			For 1" Mesh Fabric, Add	233.62	
			For 1-1/4" Mesh Fabric, Add	150.37	
			For 1-3/4" Mesh Fabric, Add	93.45	
			For 2-1/8" Mesh Fabric, Deduct	-46.72	
			For Gate With Single Barb Wire Arm, Add	59.08	
			For Gate With Double Barb Wire Arm, Add	85.93	
32 31 13	13-0479	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	898.22	97.93
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-113.29	
			For 1" Mesh Fabric, Add	262.82	
			For 1-1/4" Mesh Fabric, Add	169.17	
			For 1-3/4" Mesh Fabric, Add	105.13	
			For 2-1/8" Mesh Fabric, Deduct	-52.56	
			For Gate With Single Barb Wire Arm, Add	66.46	
			For Gate With Double Barb Wire Arm, Add	96.67	
32 31 13	13-0480	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	994.74	107.74
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-125.87	
			For 1" Mesh Fabric, Add	292.02	
			For 1-1/4" Mesh Fabric, Add	187.97	
			For 1-3/4" Mesh Fabric, Add	116.81	
			For 2-1/8" Mesh Fabric, Deduct	-58.40	
			For Gate With Single Barb Wire Arm, Add	73.84	
			For Gate With Double Barb Wire Arm, Add	107.41	
32 31 13	13-0481	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,097.80	119.66
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-138.46	
			For 1" Mesh Fabric, Add	321.22	
			For 1-1/4" Mesh Fabric, Add	206.76	
			For 1-3/4" Mesh Fabric, Add	128.49	
			For 2-1/8" Mesh Fabric, Deduct	-64.24	
			For Gate With Single Barb Wire Arm, Add	81.23	
			For Gate With Double Barb Wire Arm, Add	118.15	
32 31 13	13-0482	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,209.86	134.63
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-151.04	
			For 1" Mesh Fabric, Add	350.42	
			For 1-1/4" Mesh Fabric, Add	225.56	
			For 1-3/4" Mesh Fabric, Add	140.17	
			For 2-1/8" Mesh Fabric, Deduct	-70.08	
			For Gate With Single Barb Wire Arm, Add	88.61	
			For Gate With Double Barb Wire Arm, Add	128.89	
32 31 13	13-0483	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,334.75	153.83
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-163.63	
			For 1" Mesh Fabric, Add	379.63	
			For 1-1/4" Mesh Fabric, Add	244.36	
			For 1-3/4" Mesh Fabric, Add	151.85	
			For 2-1/8" Mesh Fabric, Deduct	-75.93	
			For Gate With Single Barb Wire Arm, Add	96.00	
			For Gate With Double Barb Wire Arm, Add	139.63	
32 31 13	13-0484	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,478.88	179.50
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-176.22	
			For 1" Mesh Fabric, Add	408.83	
			For 1-1/4" Mesh Fabric, Add	263.15	
			For 1-3/4" Mesh Fabric, Add	163.53	
			For 2-1/8" Mesh Fabric, Deduct	-81.77	
			For Gate With Single Barb Wire Arm, Add	103.38	
			For Gate With Double Barb Wire Arm, Add	150.37	
32 31 13	13-0485	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,653.83	215.39
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-188.81	
			For 1" Mesh Fabric, Add	438.03	
			For 1-1/4" Mesh Fabric, Add	281.95	
			For 1-3/4" Mesh Fabric, Add	175.21	
			For 2-1/8" Mesh Fabric, Deduct	-87.61	
			For Gate With Single Barb Wire Arm, Add	110.77	
			For Gate With Double Barb Wire Arm, Add	161.12	

32 31 13 13-0486 8' Fence Height (32 31 13 13-0405)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0487	EA 3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	187.01 -19.07 44.24 28.48 17.70 -8.85 11.19 16.27	28.40
32 31	13	13-0488	EA 4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	220.91 -25.43 58.99 37.97 23.60 -11.80 14.92 21.70	28.40
32 31	13	13-0489	EA 5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	243.51 -29.66 68.82 44.30 27.53 -13.76 17.40 25.31	28.40
32 31	13	13-0490	EA 6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	288.31 -33.90 78.66 50.63 31.46 -15.73 19.89 28.93	35.83
32 31	13	13-0491	EA 7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	333.09 -38.14 88.49 56.96 35.40 -17.70 22.38 32.55	43.17
32 31	13	13-0492	EA 8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	377.01 -42.38 98.32 63.29 39.33 -19.66 24.86 36.16	50.25
32 31	13	13-0493	EA 9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	421.80 -46.62 108.15 69.61 43.26 -21.63 27.35 39.78	57.67
32 31	13	13-0494	EA 10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	466.57 -50.85 117.98 75.94 47.19 -23.60 29.83 43.40	65.09
32 31	13	13-0495	EA 10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	637.85 -76.28 176.97 113.91 70.79 -35.39 44.75 65.09	76.91
32 31	13	13-0496	EA 12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	736.99 -91.54 212.37 136.70 84.95 -42.47 53.70 78.11	82.88
32 31	13	13-0497	EA 14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	839.08 -106.79 247.76 159.48 99.10 -49.55 62.65 91.13	89.76

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0498	EA	16'	Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	944.96	97.93
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-122.05	
			For 1" Mesh Fabric, Add	283.15	
			For 1-1/4" Mesh Fabric, Add	182.26	
			For 1-3/4" Mesh Fabric, Add	113.26	
			For 2-1/8" Mesh Fabric, Deduct	-56.63	
			For Gate With Single Barb Wire Arm, Add	71.60	
			For Gate With Double Barb Wire Arm, Add	104.15	
32 31 13 13-0499	EA	18'	Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,055.73	107.74
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-137.31	
			For 1" Mesh Fabric, Add	318.55	
			For 1-1/4" Mesh Fabric, Add	205.04	
			For 1-3/4" Mesh Fabric, Add	127.42	
			For 2-1/8" Mesh Fabric, Deduct	-63.71	
			For Gate With Single Barb Wire Arm, Add	80.55	
			For Gate With Double Barb Wire Arm, Add	117.17	
32 31 13 13-0500	EA	20'	Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,173.03	119.66
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-152.56	
			For 1" Mesh Fabric, Add	353.94	
			For 1-1/4" Mesh Fabric, Add	227.82	
			For 1-3/4" Mesh Fabric, Add	141.58	
			For 2-1/8" Mesh Fabric, Deduct	-70.79	
			For Gate With Single Barb Wire Arm, Add	89.50	
			For Gate With Double Barb Wire Arm, Add	130.19	
32 31 13 13-0501	EA	22'	Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,299.32	134.63
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-167.82	
			For 1" Mesh Fabric, Add	389.34	
			For 1-1/4" Mesh Fabric, Add	250.61	
			For 1-3/4" Mesh Fabric, Add	155.74	
			For 2-1/8" Mesh Fabric, Deduct	-77.87	
			For Gate With Single Barb Wire Arm, Add	98.45	
			For Gate With Double Barb Wire Arm, Add	143.20	
32 31 13 13-0502	EA	24'	Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,438.43	153.83
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-183.07	
			For 1" Mesh Fabric, Add	424.73	
			For 1-1/4" Mesh Fabric, Add	273.39	
			For 1-3/4" Mesh Fabric, Add	169.89	
			For 2-1/8" Mesh Fabric, Deduct	-84.95	
			For Gate With Single Barb Wire Arm, Add	107.40	
			For Gate With Double Barb Wire Arm, Add	156.22	
32 31 13 13-0503	EA	26'	Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,596.81	179.50
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-198.33	
			For 1" Mesh Fabric, Add	460.13	
			For 1-1/4" Mesh Fabric, Add	296.17	
			For 1-3/4" Mesh Fabric, Add	184.05	
			For 2-1/8" Mesh Fabric, Deduct	-92.03	
			For Gate With Single Barb Wire Arm, Add	116.35	
			For Gate With Double Barb Wire Arm, Add	169.24	
32 31 13 13-0504	EA	28'	Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,785.99	215.39
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-213.59	
			For 1" Mesh Fabric, Add	495.52	
			For 1-1/4" Mesh Fabric, Add	318.96	
			For 1-3/4" Mesh Fabric, Add	198.21	
			For 2-1/8" Mesh Fabric, Deduct	-99.10	
			For Gate With Single Barb Wire Arm, Add	125.30	
			For Gate With Double Barb Wire Arm, Add	182.26	
32 31 13 13-0505	EA	30'	Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,029.06	269.26
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-228.84	
			For 1" Mesh Fabric, Add	530.91	
			For 1-1/4" Mesh Fabric, Add	341.74	
			For 1-3/4" Mesh Fabric, Add	212.37	
			For 2-1/8" Mesh Fabric, Deduct	-106.18	
			For Gate With Single Barb Wire Arm, Add	134.25	
			For Gate With Double Barb Wire Arm, Add	195.28	
32 31 13 13-0506			10' Fence Height <small>(32 31 13 13-0405)</small>		
32 31 13 13-0507	EA	3'	Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	212.77	31.56
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-22.12	
			For 1" Mesh Fabric, Add	51.32	
			For 1-1/4" Mesh Fabric, Add	33.03	
			For 1-3/4" Mesh Fabric, Add	20.53	
			For 2-1/8" Mesh Fabric, Deduct	-10.26	
			For Gate With Single Barb Wire Arm, Add	12.98	
			For Gate With Double Barb Wire Arm, Add	18.88	
32 31 13 13-0508	EA	4'	Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	252.10	31.56
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-29.50	
			For 1" Mesh Fabric, Add	68.43	
			For 1-1/4" Mesh Fabric, Add	44.05	
			For 1-3/4" Mesh Fabric, Add	27.37	
			For 2-1/8" Mesh Fabric, Deduct	-13.69	
			For Gate With Single Barb Wire Arm, Add	17.30	
			For Gate With Double Barb Wire Arm, Add	25.17	
32 31 13 13-0509	EA	5'	Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm.....	282.50	32.93
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.41	
			For 1" Mesh Fabric, Add	79.84	
			For 1-1/4" Mesh Fabric, Add	51.39	
			For 1-3/4" Mesh Fabric, Add	31.94	
			For 2-1/8" Mesh Fabric, Deduct	-15.97	
			For Gate With Single Barb Wire Arm, Add	20.19	
			For Gate With Double Barb Wire Arm, Add	29.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0510	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	332.59	40.95
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-39.33	
			For 1" Mesh Fabric, Add	91.24	
			For 1-1/4" Mesh Fabric, Add	58.73	
			For 1-3/4" Mesh Fabric, Add	36.50	
			For 2-1/8" Mesh Fabric, Deduct	-18.25	
			For Gate With Single Barb Wire Arm, Add	23.07	
			For Gate With Double Barb Wire Arm, Add	33.56	
32 31 13	13-0511	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	381.84	48.54
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-44.24	
			For 1" Mesh Fabric, Add	102.65	
			For 1-1/4" Mesh Fabric, Add	66.07	
			For 1-3/4" Mesh Fabric, Add	41.06	
			For 2-1/8" Mesh Fabric, Deduct	-20.53	
			For Gate With Single Barb Wire Arm, Add	25.96	
			For Gate With Double Barb Wire Arm, Add	37.76	
32 31 13	13-0512	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	431.96	56.56
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-49.16	
			For 1" Mesh Fabric, Add	114.06	
			For 1-1/4" Mesh Fabric, Add	73.42	
			For 1-3/4" Mesh Fabric, Add	45.62	
			For 2-1/8" Mesh Fabric, Deduct	-22.81	
			For Gate With Single Barb Wire Arm, Add	28.84	
			For Gate With Double Barb Wire Arm, Add	41.95	
32 31 13	13-0513	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	481.21	64.24
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.08	
			For 1" Mesh Fabric, Add	125.46	
			For 1-1/4" Mesh Fabric, Add	80.76	
			For 1-3/4" Mesh Fabric, Add	50.19	
			For 2-1/8" Mesh Fabric, Deduct	-25.09	
			For Gate With Single Barb Wire Arm, Add	31.73	
			For Gate With Double Barb Wire Arm, Add	46.15	
32 31 13	13-0514	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	531.31	72.17
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-58.99	
			For 1" Mesh Fabric, Add	136.86	
			For 1-1/4" Mesh Fabric, Add	88.10	
			For 1-3/4" Mesh Fabric, Add	54.75	
			For 2-1/8" Mesh Fabric, Deduct	-27.37	
			For Gate With Single Barb Wire Arm, Add	34.61	
			For Gate With Double Barb Wire Arm, Add	50.34	
32 31 13	13-0515	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	728.63	85.50
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-88.49	
			For 1" Mesh Fabric, Add	205.29	
			For 1-1/4" Mesh Fabric, Add	132.14	
			For 1-3/4" Mesh Fabric, Add	82.12	
			For 2-1/8" Mesh Fabric, Deduct	-41.06	
			For Gate With Single Barb Wire Arm, Add	51.91	
			For Gate With Double Barb Wire Arm, Add	75.51	
32 31 13	13-0516	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	842.67	91.98
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-106.19	
			For 1" Mesh Fabric, Add	246.35	
			For 1-1/4" Mesh Fabric, Add	158.57	
			For 1-3/4" Mesh Fabric, Add	98.54	
			For 2-1/8" Mesh Fabric, Deduct	-49.27	
			For Gate With Single Barb Wire Arm, Add	62.30	
			For Gate With Double Barb Wire Arm, Add	90.61	
32 31 13	13-0517	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	960.19	99.76
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-123.89	
			For 1" Mesh Fabric, Add	287.41	
			For 1-1/4" Mesh Fabric, Add	185.00	
			For 1-3/4" Mesh Fabric, Add	114.97	
			For 2-1/8" Mesh Fabric, Deduct	-57.48	
			For Gate With Single Barb Wire Arm, Add	72.68	
			For Gate With Double Barb Wire Arm, Add	105.72	
32 31 13	13-0518	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,081.67	108.75
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-141.58	
			For 1" Mesh Fabric, Add	328.47	
			For 1-1/4" Mesh Fabric, Add	211.43	
			For 1-3/4" Mesh Fabric, Add	131.39	
			For 2-1/8" Mesh Fabric, Deduct	-65.69	
			For Gate With Single Barb Wire Arm, Add	83.06	
			For Gate With Double Barb Wire Arm, Add	120.82	
32 31 13	13-0519	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,208.87	119.66
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-159.28	
			For 1" Mesh Fabric, Add	369.53	
			For 1-1/4" Mesh Fabric, Add	237.86	
			For 1-3/4" Mesh Fabric, Add	147.81	
			For 2-1/8" Mesh Fabric, Deduct	-73.91	
			For Gate With Single Barb Wire Arm, Add	93.45	
			For Gate With Double Barb Wire Arm, Add	135.92	
32 31 13	13-0520	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,342.99	132.91
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-176.98	
			For 1" Mesh Fabric, Add	410.59	
			For 1-1/4" Mesh Fabric, Add	264.29	
			For 1-3/4" Mesh Fabric, Add	164.24	
			For 2-1/8" Mesh Fabric, Deduct	-82.12	
			For Gate With Single Barb Wire Arm, Add	103.83	
			For Gate With Double Barb Wire Arm, Add	151.02	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0521	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,487.49	149.58
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-194.68	
		<i>For 1" Mesh Fabric, Add</i>	451.65	
		<i>For 1-1/4" Mesh Fabric, Add</i>	290.72	
		<i>For 1-3/4" Mesh Fabric, Add</i>	180.66	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-90.33	
		<i>For Gate With Single Barb Wire Arm, Add</i>	114.21	
		<i>For Gate With Double Barb Wire Arm, Add</i>	166.12	
32 31 13 13-0522	EA	24' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,645.72	170.81
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-212.38	
		<i>For 1" Mesh Fabric, Add</i>	492.71	
		<i>For 1-1/4" Mesh Fabric, Add</i>	317.15	
		<i>For 1-3/4" Mesh Fabric, Add</i>	197.08	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-98.54	
		<i>For Gate With Single Barb Wire Arm, Add</i>	124.59	
		<i>For Gate With Double Barb Wire Arm, Add</i>	181.23	
32 31 13 13-0523	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,826.00	199.41
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-230.07	
		<i>For 1" Mesh Fabric, Add</i>	533.77	
		<i>For 1-1/4" Mesh Fabric, Add</i>	343.57	
		<i>For 1-3/4" Mesh Fabric, Add</i>	213.51	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-106.75	
		<i>For Gate With Single Barb Wire Arm, Add</i>	134.98	
		<i>For Gate With Double Barb Wire Arm, Add</i>	196.33	
32 31 13 13-0524	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,039.53	239.14
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-247.77	
		<i>For 1" Mesh Fabric, Add</i>	574.83	
		<i>For 1-1/4" Mesh Fabric, Add</i>	370.00	
		<i>For 1-3/4" Mesh Fabric, Add</i>	229.93	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-114.97	
		<i>For Gate With Single Barb Wire Arm, Add</i>	145.36	
		<i>For Gate With Double Barb Wire Arm, Add</i>	211.43	
32 31 13 13-0525	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,314.24	299.18
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-265.47	
		<i>For 1" Mesh Fabric, Add</i>	615.89	
		<i>For 1-1/4" Mesh Fabric, Add</i>	396.43	
		<i>For 1-3/4" Mesh Fabric, Add</i>	246.35	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-123.18	
		<i>For Gate With Single Barb Wire Arm, Add</i>	155.74	
		<i>For Gate With Double Barb Wire Arm, Add</i>	226.53	
<b>32 31 13 13-0526</b>		<b>12' Fence Height</b> <small>(32 31 13 13-0405)</small>		
32 31 13 13-0527	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	269.86	35.07
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-30.85	
		<i>For 1" Mesh Fabric, Add</i>	71.57	
		<i>For 1-1/4" Mesh Fabric, Add</i>	46.07	
		<i>For 1-3/4" Mesh Fabric, Add</i>	28.63	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-14.31	
		<i>For Gate With Single Barb Wire Arm, Add</i>	18.10	
		<i>For Gate With Double Barb Wire Arm, Add</i>	26.33	
32 31 13 13-0528	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	324.56	35.07
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-41.11	
		<i>For 1" Mesh Fabric, Add</i>	95.37	
		<i>For 1-1/4" Mesh Fabric, Add</i>	61.39	
		<i>For 1-3/4" Mesh Fabric, Add</i>	38.15	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-19.07	
		<i>For Gate With Single Barb Wire Arm, Add</i>	24.12	
		<i>For Gate With Double Barb Wire Arm, Add</i>	35.08	
32 31 13 13-0529	EA	5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	369.11	36.35
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-48.74	
		<i>For 1" Mesh Fabric, Add</i>	113.07	
		<i>For 1-1/4" Mesh Fabric, Add</i>	72.78	
		<i>For 1-3/4" Mesh Fabric, Add</i>	45.23	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-22.61	
		<i>For Gate With Single Barb Wire Arm, Add</i>	28.59	
		<i>For Gate With Double Barb Wire Arm, Add</i>	41.59	
32 31 13 13-0530	EA	6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	429.47	45.13
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-55.09	
		<i>For 1" Mesh Fabric, Add</i>	127.82	
		<i>For 1-1/4" Mesh Fabric, Add</i>	82.27	
		<i>For 1-3/4" Mesh Fabric, Add</i>	51.13	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-25.56	
		<i>For Gate With Single Barb Wire Arm, Add</i>	32.32	
		<i>For Gate With Double Barb Wire Arm, Add</i>	47.01	
32 31 13 13-0531	EA	7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	493.59	54.00
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-62.16	
		<i>For 1" Mesh Fabric, Add</i>	144.20	
		<i>For 1-1/4" Mesh Fabric, Add</i>	92.82	
		<i>For 1-3/4" Mesh Fabric, Add</i>	57.68	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-28.84	
		<i>For Gate With Single Barb Wire Arm, Add</i>	36.47	
		<i>For Gate With Double Barb Wire Arm, Add</i>	53.04	
32 31 13 13-0532	EA	8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	556.85	62.53
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-69.22	
		<i>For 1" Mesh Fabric, Add</i>	160.59	
		<i>For 1-1/4" Mesh Fabric, Add</i>	103.37	
		<i>For 1-3/4" Mesh Fabric, Add</i>	64.24	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-32.12	
		<i>For Gate With Single Barb Wire Arm, Add</i>	40.61	
		<i>For Gate With Double Barb Wire Arm, Add</i>	59.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0533	EA	9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	620.96	71.32
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-76.28	
			For 1" Mesh Fabric, Add	176.98	
			For 1-1/4" Mesh Fabric, Add	113.92	
			For 1-3/4" Mesh Fabric, Add	70.79	
			For 2-1/8" Mesh Fabric, Deduct	-35.40	
			For Gate With Single Barb Wire Arm, Add	44.75	
			For Gate With Double Barb Wire Arm, Add	65.09	
32 31 13	13-0534	EA	10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	681.31	80.10
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-82.64	
			For 1" Mesh Fabric, Add	191.72	
			For 1-1/4" Mesh Fabric, Add	123.41	
			For 1-3/4" Mesh Fabric, Add	76.69	
			For 2-1/8" Mesh Fabric, Deduct	-38.34	
			For Gate With Single Barb Wire Arm, Add	48.48	
			For Gate With Double Barb Wire Arm, Add	70.52	
32 31 13	13-0535	EA	10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	945.99	95.01
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-123.92	
			For 1" Mesh Fabric, Add	287.48	
			For 1-1/4" Mesh Fabric, Add	185.05	
			For 1-3/4" Mesh Fabric, Add	114.99	
			For 2-1/8" Mesh Fabric, Deduct	-57.50	
			For Gate With Single Barb Wire Arm, Add	72.70	
			For Gate With Double Barb Wire Arm, Add	105.74	
32 31 13	13-0536	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,121.55	102.29
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-152.73	
			For 1" Mesh Fabric, Add	354.34	
			For 1-1/4" Mesh Fabric, Add	228.08	
			For 1-3/4" Mesh Fabric, Add	141.74	
			For 2-1/8" Mesh Fabric, Deduct	-70.87	
			For Gate With Single Barb Wire Arm, Add	89.60	
			For Gate With Double Barb Wire Arm, Add	130.33	
32 31 13	13-0537	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,283.83	110.78
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-178.33	
			For 1" Mesh Fabric, Add	413.72	
			For 1-1/4" Mesh Fabric, Add	266.31	
			For 1-3/4" Mesh Fabric, Add	165.49	
			For 2-1/8" Mesh Fabric, Deduct	-82.74	
			For Gate With Single Barb Wire Arm, Add	104.62	
			For Gate With Double Barb Wire Arm, Add	152.17	
32 31 13	13-0538	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,449.61	120.78
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-203.76	
			For 1" Mesh Fabric, Add	472.71	
			For 1-1/4" Mesh Fabric, Add	304.28	
			For 1-3/4" Mesh Fabric, Add	189.09	
			For 2-1/8" Mesh Fabric, Deduct	-94.54	
			For Gate With Single Barb Wire Arm, Add	119.54	
			For Gate With Double Barb Wire Arm, Add	173.87	
32 31 13	13-0539	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,619.80	133.01
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-228.85	
			For 1" Mesh Fabric, Add	530.92	
			For 1-1/4" Mesh Fabric, Add	341.74	
			For 1-3/4" Mesh Fabric, Add	212.37	
			For 2-1/8" Mesh Fabric, Deduct	-106.18	
			For Gate With Single Barb Wire Arm, Add	134.26	
			For Gate With Double Barb Wire Arm, Add	195.28	
32 31 13	13-0540	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,799.41	147.66
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-254.27	
			For 1" Mesh Fabric, Add	589.91	
			For 1-1/4" Mesh Fabric, Add	379.71	
			For 1-3/4" Mesh Fabric, Add	235.96	
			For 2-1/8" Mesh Fabric, Deduct	-117.98	
			For Gate With Single Barb Wire Arm, Add	149.17	
			For Gate With Double Barb Wire Arm, Add	216.98	
32 31 13	13-0541	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,990.85	166.16
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-279.70	
			For 1" Mesh Fabric, Add	648.90	
			For 1-1/4" Mesh Fabric, Add	417.68	
			For 1-3/4" Mesh Fabric, Add	259.56	
			For 2-1/8" Mesh Fabric, Deduct	-129.78	
			For Gate With Single Barb Wire Arm, Add	164.09	
			For Gate With Double Barb Wire Arm, Add	238.68	
32 31 13	13-0542	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,197.40	189.81
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-305.13	
			For 1" Mesh Fabric, Add	707.89	
			For 1-1/4" Mesh Fabric, Add	455.66	
			For 1-3/4" Mesh Fabric, Add	283.16	
			For 2-1/8" Mesh Fabric, Deduct	-141.58	
			For Gate With Single Barb Wire Arm, Add	179.01	
			For Gate With Double Barb Wire Arm, Add	260.37	
32 31 13	13-0543	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,432.98	221.65
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-331.40	
			For 1" Mesh Fabric, Add	768.85	
			For 1-1/4" Mesh Fabric, Add	494.89	
			For 1-3/4" Mesh Fabric, Add	307.54	
			For 2-1/8" Mesh Fabric, Deduct	-153.77	
			For Gate With Single Barb Wire Arm, Add	194.42	
			For Gate With Double Barb Wire Arm, Add	282.80	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0544	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,700.97 -356.83 827.84 532.87 331.14 -165.57 209.34 304.49	265.71
32 31 13	13-0545	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,036.94 -382.26 886.83 570.84 354.73 -177.37 224.26 326.19	332.43
32 31 13	13-0546		<b>Chain Link Galvanized Steel Sliding Gate</b> <small>(32 31 13 13-0263)</small> Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0630 for additional gate accessories, 32 31 13 13-0755 for gate replacement parts.		
32 31 13	13-0547		<b>4' High Chain Link Galvanized Steel Sliding Gate</b> <small>(32 31 13 13-0546)</small>		
32 31 13	13-0548	EA	10' Long x 4' High Chain Link Galvanized Steel Sliding Gate ..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,211.92 676.74 435.60 270.70 -135.35 171.13 466.72	328.07
32 31 13	13-0549	EA	12' Long x 4' High Chain Link Galvanized Steel Sliding Gate ..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,658.97 812.09 522.72 324.84 -162.42 205.36 560.06	396.10
32 31 13	13-0550	EA	14' Long x 4' High Chain Link Galvanized Steel Sliding Gate ..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,102.31 947.44 609.85 378.98 -189.49 239.58 653.41	462.10
32 31 13	13-0551	EA	16' Long x 4' High Chain Link Galvanized Steel Sliding Gate ..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,551.39 1,082.78 696.96 433.11 -216.56 273.81 746.75	531.13
32 31 13	13-0552	EA	18' Long x 4' High Chain Link Galvanized Steel Sliding Gate ..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,995.36 1,218.13 784.09 487.25 -243.63 308.03 840.09	597.53
32 31 13	13-0553	EA	20' Long x 4' High Chain Link Galvanized Steel Sliding Gate ..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,427.07 1,353.49 871.21 541.39 -270.70 342.26 933.44	657.77
32 31 13	13-0554	EA	24' Long x 4' High Chain Link Galvanized Steel Sliding Gate ..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,290.54 1,612.26 1,037.78 644.90 -322.45 407.70 1,111.91	792.10
32 31 13	13-0555	EA	30' Long x 4' High Chain Link Galvanized Steel Sliding Gate ..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	7,657.46 2,030.22 1,306.81 812.09 -406.04 513.39 1,400.15	1,495.15
32 31 13	13-0556	EA	40' Long x 4' High Chain Link Galvanized Steel Sliding Gate ..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	10,209.94 2,706.96 1,742.41 1,082.78 -541.39 684.52 1,866.87	1,993.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0557			<b>5' High Chain Link Galvanized Steel Sliding Gate</b> (32 31 13 13-0546)		
32 31 13 13-0558	EA		10' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	2,315.61	357.08
			For 1" Mesh Fabric, Add	696.63	
			For 1-1/4" Mesh Fabric, Add	448.41	
			For 1-3/4" Mesh Fabric, Add	278.65	
			For 2-1/8" Mesh Fabric, Deduct	-139.33	
			For Gate With Barb Wire Arm, Add	176.16	
			For Vinyl Coated, Add	480.44	
32 31 13 13-0559	EA		12' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	2,777.73	428.04
			For 1" Mesh Fabric, Add	835.96	
			For 1-1/4" Mesh Fabric, Add	538.09	
			For 1-3/4" Mesh Fabric, Add	334.38	
			For 2-1/8" Mesh Fabric, Deduct	-167.19	
			For Gate With Barb Wire Arm, Add	211.39	
			For Vinyl Coated, Add	576.52	
32 31 13 13-0560	EA		14' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	3,240.51	499.30
			For 1" Mesh Fabric, Add	975.28	
			For 1-1/4" Mesh Fabric, Add	627.77	
			For 1-3/4" Mesh Fabric, Add	390.11	
			For 2-1/8" Mesh Fabric, Deduct	-195.06	
			For Gate With Barb Wire Arm, Add	246.62	
			For Vinyl Coated, Add	672.61	
32 31 13 13-0561	EA		16' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	3,703.73	570.75
			For 1" Mesh Fabric, Add	1,114.61	
			For 1-1/4" Mesh Fabric, Add	717.45	
			For 1-3/4" Mesh Fabric, Add	445.84	
			For 2-1/8" Mesh Fabric, Deduct	-222.92	
			For Gate With Barb Wire Arm, Add	281.86	
			For Vinyl Coated, Add	768.70	
32 31 13 13-0562	EA		18' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	4,166.45	641.90
			For 1" Mesh Fabric, Add	1,253.93	
			For 1-1/4" Mesh Fabric, Add	807.13	
			For 1-3/4" Mesh Fabric, Add	501.57	
			For 2-1/8" Mesh Fabric, Deduct	-250.79	
			For Gate With Barb Wire Arm, Add	317.09	
			For Vinyl Coated, Add	864.78	
32 31 13 13-0563	EA		20' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	4,629.45	713.26
			For 1" Mesh Fabric, Add	1,393.26	
			For 1-1/4" Mesh Fabric, Add	896.81	
			For 1-3/4" Mesh Fabric, Add	557.30	
			For 2-1/8" Mesh Fabric, Deduct	-278.65	
			For Gate With Barb Wire Arm, Add	352.32	
			For Vinyl Coated, Add	960.87	
32 31 13 13-0564	EA		24' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	5,529.09	856.88
			For 1" Mesh Fabric, Add	1,659.65	
			For 1-1/4" Mesh Fabric, Add	1,068.28	
			For 1-3/4" Mesh Fabric, Add	663.86	
			For 2-1/8" Mesh Fabric, Deduct	-331.93	
			For Gate With Barb Wire Arm, Add	419.68	
			For Vinyl Coated, Add	1,144.58	
32 31 13 13-0565	EA		30' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	6,944.55	1,070.14
			For 1" Mesh Fabric, Add	2,089.89	
			For 1-1/4" Mesh Fabric, Add	1,345.22	
			For 1-3/4" Mesh Fabric, Add	835.96	
			For 2-1/8" Mesh Fabric, Deduct	-417.98	
			For Gate With Barb Wire Arm, Add	528.48	
			For Vinyl Coated, Add	1,441.30	
32 31 13 13-0566	EA		40' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	9,258.90	1,426.52
			For 1" Mesh Fabric, Add	2,786.52	
			For 1-1/4" Mesh Fabric, Add	1,793.62	
			For 1-3/4" Mesh Fabric, Add	1,114.61	
			For 2-1/8" Mesh Fabric, Deduct	-557.30	
			For Gate With Barb Wire Arm, Add	704.64	
			For Vinyl Coated, Add	1,921.74	
32 31 13 13-0567			<b>6' High Chain Link Galvanized Steel Sliding Gate</b> (32 31 13 13-0546)		
32 31 13 13-0568	EA		10' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	2,470.65	418.64
			For 1" Mesh Fabric, Add	710.55	
			For 1-1/4" Mesh Fabric, Add	457.37	
			For 1-3/4" Mesh Fabric, Add	284.22	
			For 2-1/8" Mesh Fabric, Deduct	-142.11	
			For Gate With Barb Wire Arm, Add	179.68	
			For Vinyl Coated, Add	490.04	
32 31 13 13-0569	EA		12' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	2,961.85	500.81
			For 1" Mesh Fabric, Add	852.67	
			For 1-1/4" Mesh Fabric, Add	548.84	
			For 1-3/4" Mesh Fabric, Add	341.07	
			For 2-1/8" Mesh Fabric, Deduct	-170.53	
			For Gate With Barb Wire Arm, Add	215.62	
			For Vinyl Coated, Add	588.05	
32 31 13 13-0570	EA		14' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	3,455.29	584.19
			For 1" Mesh Fabric, Add	994.78	
			For 1-1/4" Mesh Fabric, Add	640.32	
			For 1-3/4" Mesh Fabric, Add	397.91	
			For 2-1/8" Mesh Fabric, Deduct	-198.96	
			For Gate With Barb Wire Arm, Add	251.55	
			For Vinyl Coated, Add	686.05	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0571	EA		16' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	3,949.13	667.78
			For 1" Mesh Fabric, Add	1,136.89	
			For 1-1/4" Mesh Fabric, Add	731.79	
			For 1-3/4" Mesh Fabric, Add	454.75	
			For 2-1/8" Mesh Fabric, Deduct	-227.38	
			For Gate With Barb Wire Arm, Add	287.49	
			For Vinyl Coated, Add	784.06	
32 31 13 13-0572	EA		18' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	4,442.59	751.16
			For 1" Mesh Fabric, Add	1,279.00	
			For 1-1/4" Mesh Fabric, Add	823.26	
			For 1-3/4" Mesh Fabric, Add	511.60	
			For 2-1/8" Mesh Fabric, Deduct	-255.80	
			For Gate With Barb Wire Arm, Add	323.42	
			For Vinyl Coated, Add	882.07	
32 31 13 13-0573	EA		20' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	4,941.66	837.38
			For 1" Mesh Fabric, Add	1,421.11	
			For 1-1/4" Mesh Fabric, Add	914.73	
			For 1-3/4" Mesh Fabric, Add	568.44	
			For 2-1/8" Mesh Fabric, Deduct	-284.22	
			For Gate With Barb Wire Arm, Add	359.36	
			For Vinyl Coated, Add	980.07	
32 31 13 13-0574	EA		24' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	5,894.92	1,001.72
			For 1" Mesh Fabric, Add	1,692.82	
			For 1-1/4" Mesh Fabric, Add	1,089.63	
			For 1-3/4" Mesh Fabric, Add	677.13	
			For 2-1/8" Mesh Fabric, Deduct	-338.56	
			For Gate With Barb Wire Arm, Add	428.07	
			For Vinyl Coated, Add	1,167.46	
32 31 13 13-0575	EA		30' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	7,405.23	1,252.48
			For 1" Mesh Fabric, Add	2,131.66	
			For 1-1/4" Mesh Fabric, Add	1,372.10	
			For 1-3/4" Mesh Fabric, Add	852.66	
			For 2-1/8" Mesh Fabric, Deduct	-426.33	
			For Gate With Barb Wire Arm, Add	539.04	
			For Vinyl Coated, Add	1,470.11	
32 31 13 13-0576	EA		40' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	9,872.27	1,669.20
			For 1" Mesh Fabric, Add	2,842.21	
			For 1-1/4" Mesh Fabric, Add	1,829.47	
			For 1-3/4" Mesh Fabric, Add	1,136.88	
			For 2-1/8" Mesh Fabric, Deduct	-568.44	
			For Gate With Barb Wire Arm, Add	718.72	
			For Vinyl Coated, Add	1,960.15	
32 31 13 13-0577			7' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)		
32 31 13 13-0578	EA		10' Long x 7' High Chain Link Galvanized Steel Sliding Gate .....	2,631.37	466.95
			For 1" Mesh Fabric, Add	738.40	
			For 1-1/4" Mesh Fabric, Add	475.29	
			For 1-3/4" Mesh Fabric, Add	295.36	
			For 2-1/8" Mesh Fabric, Deduct	-147.68	
			For Gate With Barb Wire Arm, Add	186.72	
			For Vinyl Coated, Add	509.24	
32 31 13 13-0579	EA		12' Long x 7' High Chain Link Galvanized Steel Sliding Gate .....	3,156.93	559.94
			For 1" Mesh Fabric, Add	886.10	
			For 1-1/4" Mesh Fabric, Add	570.37	
			For 1-3/4" Mesh Fabric, Add	354.44	
			For 2-1/8" Mesh Fabric, Deduct	-177.22	
			For Gate With Barb Wire Arm, Add	224.07	
			For Vinyl Coated, Add	611.11	
32 31 13 13-0580	EA		14' Long x 7' High Chain Link Galvanized Steel Sliding Gate .....	3,683.97	653.73
			For 1" Mesh Fabric, Add	1,033.76	
			For 1-1/4" Mesh Fabric, Add	665.41	
			For 1-3/4" Mesh Fabric, Add	413.50	
			For 2-1/8" Mesh Fabric, Deduct	-206.75	
			For Gate With Barb Wire Arm, Add	261.41	
			For Vinyl Coated, Add	712.94	
32 31 13 13-0581	EA		16' Long x 7' High Chain Link Galvanized Steel Sliding Gate .....	4,209.43	746.71
			For 1" Mesh Fabric, Add	1,181.44	
			For 1-1/4" Mesh Fabric, Add	760.47	
			For 1-3/4" Mesh Fabric, Add	472.58	
			For 2-1/8" Mesh Fabric, Deduct	-236.29	
			For Gate With Barb Wire Arm, Add	298.75	
			For Vinyl Coated, Add	814.79	
32 31 13 13-0582	EA		18' Long x 7' High Chain Link Galvanized Steel Sliding Gate .....	4,735.77	840.20
			For 1" Mesh Fabric, Add	1,329.12	
			For 1-1/4" Mesh Fabric, Add	855.52	
			For 1-3/4" Mesh Fabric, Add	531.65	
			For 2-1/8" Mesh Fabric, Deduct	-265.82	
			For Gate With Barb Wire Arm, Add	336.10	
			For Vinyl Coated, Add	916.63	
32 31 13 13-0583	EA		20' Long x 7' High Chain Link Galvanized Steel Sliding Gate .....	5,261.45	933.29
			For 1" Mesh Fabric, Add	1,476.80	
			For 1-1/4" Mesh Fabric, Add	950.58	
			For 1-3/4" Mesh Fabric, Add	590.72	
			For 2-1/8" Mesh Fabric, Deduct	-295.36	
			For Gate With Barb Wire Arm, Add	373.44	
			For Vinyl Coated, Add	1,018.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0584	EA	24' Long x 7' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	6,283.86 1,759.16 1,132.33 703.66 -351.83 444.84 1,213.21	1,119.87
32 31 13	13-0585	EA	30' Long x 7' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,892.15 2,215.19 1,425.87 886.08 -443.04 560.16 1,527.72	1,399.84
32 31 13	13-0586	EA	40' Long x 7' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	10,522.87 2,953.59 1,901.16 1,181.44 -590.72 746.88 2,036.96	1,866.48
<b>32 31 13 13-0587 8' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)</b>					
32 31 13	13-0588	EA	10' Long x 8' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,759.50 760.28 489.38 304.11 -152.06 192.25 524.33	505.86
32 31 13	13-0589	EA	12' Long x 8' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,308.49 912.33 587.25 364.93 -182.47 230.71 629.20	605.62
32 31 13	13-0590	EA	14' Long x 8' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,859.95 1,064.38 685.12 425.75 -212.88 269.15 734.06	706.59
32 31 13	13-0591	EA	16' Long x 8' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,411.61 1,216.44 782.99 486.58 -243.29 307.61 838.92	807.56
32 31 13	13-0592	EA	18' Long x 8' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,962.17 1,368.50 880.87 547.40 -273.70 346.06 943.79	908.13
32 31 13	13-0593	EA	20' Long x 8' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,513.92 1,520.55 978.75 608.22 -304.11 384.51 1,048.66	1,009.20
32 31 13	13-0594	EA	24' Long x 8' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	6,586.18 1,811.28 1,165.88 724.51 -362.26 458.02 1,249.16	1,211.14
32 31 13	13-0595	EA	30' Long x 8' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	8,271.65 2,280.83 1,468.12 912.33 -456.17 576.76 1,572.99	1,514.15
32 31 13	13-0596	EA	40' Long x 8' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	11,025.83 3,041.10 1,957.49 1,216.44 -608.22 769.01 2,097.31	2,017.39
<b>32 31 13 13-0597 9' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)</b>					

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

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MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0598	EA 10' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	2,910.90	551.85
	For 1" Mesh Fabric, Add	786.13	
	For 1-1/4" Mesh Fabric, Add	506.02	
	For 1-3/4" Mesh Fabric, Add	314.45	
	For 2-1/8" Mesh Fabric, Deduct	-157.23	
	For Gate With Barb Wire Arm, Add	198.79	
	For Vinyl Coated, Add	542.16	
32 31 13 13-0599	EA 12' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	3,488.97	660.20
	For 1" Mesh Fabric, Add	943.36	
	For 1-1/4" Mesh Fabric, Add	607.22	
	For 1-3/4" Mesh Fabric, Add	377.34	
	For 2-1/8" Mesh Fabric, Deduct	-188.67	
	For Gate With Barb Wire Arm, Add	238.55	
	For Vinyl Coated, Add	650.59	
32 31 13 13-0600	EA 14' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	4,070.23	770.07
	For 1" Mesh Fabric, Add	1,100.59	
	For 1-1/4" Mesh Fabric, Add	708.43	
	For 1-3/4" Mesh Fabric, Add	440.24	
	For 2-1/8" Mesh Fabric, Deduct	-220.12	
	For Gate With Barb Wire Arm, Add	278.31	
	For Vinyl Coated, Add	759.03	
32 31 13 13-0601	EA 16' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	4,652.34	880.43
	For 1" Mesh Fabric, Add	1,257.81	
	For 1-1/4" Mesh Fabric, Add	809.63	
	For 1-3/4" Mesh Fabric, Add	503.12	
	For 2-1/8" Mesh Fabric, Deduct	-251.56	
	For Gate With Barb Wire Arm, Add	318.07	
	For Vinyl Coated, Add	867.46	
32 31 13 13-0602	EA 18' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	5,233.78	990.40
	For 1" Mesh Fabric, Add	1,415.04	
	For 1-1/4" Mesh Fabric, Add	910.83	
	For 1-3/4" Mesh Fabric, Add	566.02	
	For 2-1/8" Mesh Fabric, Deduct	-283.01	
	For Gate With Barb Wire Arm, Add	357.83	
	For Vinyl Coated, Add	975.89	
32 31 13 13-0603	EA 20' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	5,815.21	1,100.36
	For 1" Mesh Fabric, Add	1,572.27	
	For 1-1/4" Mesh Fabric, Add	1,012.03	
	For 1-3/4" Mesh Fabric, Add	628.91	
	For 2-1/8" Mesh Fabric, Deduct	-314.45	
	For Gate With Barb Wire Arm, Add	397.59	
	For Vinyl Coated, Add	1,084.32	
32 31 13 13-0604	EA 24' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	6,946.12	1,320.29
	For 1" Mesh Fabric, Add	1,872.88	
	For 1-1/4" Mesh Fabric, Add	1,205.53	
	For 1-3/4" Mesh Fabric, Add	749.15	
	For 2-1/8" Mesh Fabric, Deduct	-374.58	
	For Gate With Barb Wire Arm, Add	473.60	
	For Vinyl Coated, Add	1,291.64	
32 31 13 13-0605	EA 30' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	8,721.89	1,650.20
	For 1" Mesh Fabric, Add	2,358.40	
	For 1-1/4" Mesh Fabric, Add	1,518.05	
	For 1-3/4" Mesh Fabric, Add	943.36	
	For 2-1/8" Mesh Fabric, Deduct	-471.68	
	For Gate With Barb Wire Arm, Add	596.38	
	For Vinyl Coated, Add	1,626.48	
32 31 13 13-0606	EA 40' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	11,632.79	2,202.05
	For 1" Mesh Fabric, Add	3,144.53	
	For 1-1/4" Mesh Fabric, Add	2,024.07	
	For 1-3/4" Mesh Fabric, Add	1,257.81	
	For 2-1/8" Mesh Fabric, Deduct	-628.91	
	For Gate With Barb Wire Arm, Add	795.17	
	For Vinyl Coated, Add	2,168.64	
32 31 13 13-0607	10' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)		
32 31 13 13-0608	EA 10' Long x 10' High Chain Link Galvanized Steel Sliding Gate .....	3,099.00	607.03
	For 1" Mesh Fabric, Add	819.94	
	For 1-1/4" Mesh Fabric, Add	527.78	
	For 1-3/4" Mesh Fabric, Add	327.98	
	For 2-1/8" Mesh Fabric, Deduct	-163.99	
	For Gate With Barb Wire Arm, Add	207.34	
	For Vinyl Coated, Add	565.48	
32 31 13 13-0609	EA 12' Long x 10' High Chain Link Galvanized Steel Sliding Gate .....	3,718.81	728.43
	For 1" Mesh Fabric, Add	983.94	
	For 1-1/4" Mesh Fabric, Add	633.34	
	For 1-3/4" Mesh Fabric, Add	393.57	
	For 2-1/8" Mesh Fabric, Deduct	-196.79	
	For Gate With Barb Wire Arm, Add	248.81	
	For Vinyl Coated, Add	678.58	
32 31 13 13-0610	EA 14' Long x 10' High Chain Link Galvanized Steel Sliding Gate .....	4,339.01	850.01
	For 1" Mesh Fabric, Add	1,147.93	
	For 1-1/4" Mesh Fabric, Add	738.89	
	For 1-3/4" Mesh Fabric, Add	459.17	
	For 2-1/8" Mesh Fabric, Deduct	-229.59	
	For Gate With Barb Wire Arm, Add	290.28	
	For Vinyl Coated, Add	791.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0611	EA	16' Long x 10' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,958.64 1,311.91 844.45 524.76 -262.38 331.75 904.77	971.40
32 31 13	13-0612	EA	18' Long x 10' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,578.20 1,475.90 950.00 590.36 -295.18 373.22 1,017.86	1,092.68
32 31 13	13-0613	EA	20' Long x 10' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	6,198.00 1,639.89 1,055.56 655.96 -327.98 414.68 1,130.96	1,214.07
32 31 13	13-0614	EA	24' Long x 10' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,405.47 1,953.43 1,257.38 781.37 -390.69 493.97 1,347.20	1,457.45
32 31 13	13-0615	EA	30' Long x 10' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	9,297.01 2,459.83 1,583.34 983.93 -491.97 622.03 1,696.44	1,821.10
32 31 13	13-0616	EA	40' Long x 10' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	12,393.10 3,279.78 2,111.12 1,311.91 -655.96 829.37 2,261.92	2,426.72
32 31 13	13-0617		<b>Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller</b> (32 31 13 13-0617) Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0020 for gate operators.		
32 31 13	13-0618	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For Vinyl Coated, Add	4,798.24 1,735.51 1,117.11 694.20 -347.10 438.86 638.35 1,915.04 837.83 1,196.90	404.29
32 31 13	13-0619	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For Vinyl Coated, Add	5,271.98 1,853.65 1,193.15 741.46 -370.73 468.74 681.80 2,045.40 894.86 1,278.38	505.35
32 31 13	13-0620	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For Vinyl Coated, Add	5,749.44 1,973.41 1,270.24 789.36 -394.68 499.02 725.85 2,177.56 952.68 1,360.97	606.43
32 31 13	13-0621	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For Vinyl Coated, Add	6,758.61 2,236.54 1,439.61 894.61 -447.31 565.56 822.63 2,467.90 1,079.71 1,542.44	808.57

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0622	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate.....	6,289.29	808.57
		For 1" Mesh Fabric, Add	2,032.38	
		For 1-1/4" Mesh Fabric, Add	1,308.20	
		For 1-3/4" Mesh Fabric, Add	812.95	
		For 2-1/8" Mesh Fabric, Deduct	-406.48	
		For Gate With Single Barb Wire Arm, Add	513.94	
		For Gate With Double Barb Wire Arm, Add	747.54	
		For Aluminized Steel Gate And Post, Add	2,242.63	
		For Powder Coated Gate And Post, Add	981.15	
		For Vinyl Coated, Add	1,401.64	
32 31 13 13-0623	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate.....	7,384.27	1,061.25
		For 1" Mesh Fabric, Add	2,288.87	
		For 1-1/4" Mesh Fabric, Add	1,473.30	
		For 1-3/4" Mesh Fabric, Add	915.55	
		For 2-1/8" Mesh Fabric, Deduct	-457.77	
		For Gate With Single Barb Wire Arm, Add	578.79	
		For Gate With Double Barb Wire Arm, Add	841.88	
		For Aluminized Steel Gate And Post, Add	2,525.65	
		For Powder Coated Gate And Post, Add	1,104.97	
		For Vinyl Coated, Add	1,578.53	
32 31 13 13-0624	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate.....	9,779.36	1,313.93
		For 1" Mesh Fabric, Add	3,110.90	
		For 1-1/4" Mesh Fabric, Add	2,002.42	
		For 1-3/4" Mesh Fabric, Add	1,244.36	
		For 2-1/8" Mesh Fabric, Deduct	-622.18	
		For Gate With Single Barb Wire Arm, Add	786.66	
		For Gate With Double Barb Wire Arm, Add	1,144.24	
		For Aluminized Steel Gate And Post, Add	3,432.72	
		For Powder Coated Gate And Post, Add	1,501.81	
		For Vinyl Coated, Add	2,145.45	
32 31 13 13-0625	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate.....	11,025.78	1,566.61
		For 1" Mesh Fabric, Add	3,433.26	
		For 1-1/4" Mesh Fabric, Add	2,209.92	
		For 1-3/4" Mesh Fabric, Add	1,373.31	
		For 2-1/8" Mesh Fabric, Deduct	-686.65	
		For Gate With Single Barb Wire Arm, Add	868.18	
		For Gate With Double Barb Wire Arm, Add	1,262.81	
		For Aluminized Steel Gate And Post, Add	3,788.43	
		For Powder Coated Gate And Post, Add	1,657.44	
		For Vinyl Coated, Add	2,367.77	
32 31 13 13-0626	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate.....	7,366.86	1,010.72
		For 1" Mesh Fabric, Add	2,325.26	
		For 1-1/4" Mesh Fabric, Add	1,496.72	
		For 1-3/4" Mesh Fabric, Add	930.10	
		For 2-1/8" Mesh Fabric, Deduct	-465.05	
		For Gate With Single Barb Wire Arm, Add	588.00	
		For Gate With Double Barb Wire Arm, Add	855.27	
		For Aluminized Steel Gate And Post, Add	2,565.81	
		For Powder Coated Gate And Post, Add	1,122.54	
		For Vinyl Coated, Add	1,603.63	
32 31 13 13-0627	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate.....	8,747.95	1,364.46
		For 1" Mesh Fabric, Add	2,618.27	
		For 1-1/4" Mesh Fabric, Add	1,685.33	
		For 1-3/4" Mesh Fabric, Add	1,047.31	
		For 2-1/8" Mesh Fabric, Deduct	-523.65	
		For Gate With Single Barb Wire Arm, Add	662.09	
		For Gate With Double Barb Wire Arm, Add	963.04	
		For Aluminized Steel Gate And Post, Add	2,889.13	
		For Powder Coated Gate And Post, Add	1,263.99	
		For Vinyl Coated, Add	1,805.71	
32 31 13 13-0628	EA	8' High x 25' Wide Galvanized Cantilever Sliding Gate.....	11,617.10	1,718.21
		For 1" Mesh Fabric, Add	3,558.59	
		For 1-1/4" Mesh Fabric, Add	2,290.59	
		For 1-3/4" Mesh Fabric, Add	1,423.44	
		For 2-1/8" Mesh Fabric, Deduct	-711.72	
		For Gate With Single Barb Wire Arm, Add	899.87	
		For Gate With Double Barb Wire Arm, Add	1,308.91	
		For Aluminized Steel Gate And Post, Add	3,926.72	
		For Powder Coated Gate And Post, Add	1,717.94	
		For Vinyl Coated, Add	2,454.20	
32 31 13 13-0629	EA	8' High x 30' Wide Galvanized Cantilever Sliding Gate.....	13,070.21	2,021.43
		For 1" Mesh Fabric, Add	3,926.90	
		For 1-1/4" Mesh Fabric, Add	2,527.66	
		For 1-3/4" Mesh Fabric, Add	1,570.76	
		For 2-1/8" Mesh Fabric, Deduct	-785.38	
		For Gate With Single Barb Wire Arm, Add	993.01	
		For Gate With Double Barb Wire Arm, Add	1,444.38	
		For Aluminized Steel Gate And Post, Add	4,333.13	
		For Powder Coated Gate And Post, Add	1,895.74	
		For Vinyl Coated, Add	2,708.21	

**32 31 13 13-0630 Gate Accessories (32 31 13 13-0263)**

32 31 13 13-0631	EA	Gate Center Stop, Cast Steel, Ground.....	30.02	
32 31 13 13-0632	EA	Gate Latch, Malleable Galvanized Steel.....	37.23	
32 31 13 13-0633	EA	Gate Keeper, Full Length, Galvanized Steel.....	165.98	
32 31 13 13-0634	EA	Gate Keeper Hold-Open For Cantilever Gate.....	88.34	16.21
32 31 13 13-0635	EA	Heavy Duty Gate Latch, Malleable Galvanized Steel.....	49.84	
32 31 13 13-0636	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate.....	784.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0637	EA		Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate.....	840.98	
32 31 13 13-0638	EA		Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate.....	897.89	
32 31 13 13-0639	LF		Aluminum V-Groove Gate Track.....	47.99	9.20
32 31 13 13-0640	LF		Galvanized Steel V-Groove Gate Track.....	40.02	9.20
<b>32 31 13 13-0641</b>			<b>Tube Gate</b> (32 31 13 13-0263)		
<b>32 31 13 13-0642</b>			<b>50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate</b> (32 31 13 13-0641)		
			Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes bollard and chain.		
32 31 13 13-0643	EA		4' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate.....	153.86	23.03
			For 13 Gauge Tubing, Add	23.95	
			For Galvanized Finish, Add	12.84	
32 31 13 13-0644	EA		6' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate.....	200.15	29.85
			For 13 Gauge Tubing, Add	31.07	
			For Galvanized Finish, Add	16.59	
32 31 13 13-0645	EA		8' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate.....	268.90	38.39
			For 13 Gauge Tubing, Add	42.26	
			For Galvanized Finish, Add	23.06	
32 31 13 13-0646	EA		10' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate.....	312.62	47.77
			For 13 Gauge Tubing, Add	48.02	
			For Galvanized Finish, Add	25.14	
32 31 13 13-0647	EA		12' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate.....	370.59	56.82
			For 13 Gauge Tubing, Add	57.06	
			For Galvanized Finish, Add	30.00	
32 31 13 13-0648	EA		14' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate.....	405.78	63.98
			For 13 Gauge Tubing, Add	61.96	
			For Galvanized Finish, Add	32.08	
32 31 13 13-0649	EA		16' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate.....	475.70	73.79
			For 13 Gauge Tubing, Add	72.96	
			For Galvanized Finish, Add	38.09	
<b>32 31 13 13-0650</b>			<b>33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate</b> (32 31 13 13-0641)		
			Note: Round top edges. Includes lag bolt hinges, lock plate and hardware.		
32 31 13 13-0651	EA		4' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	196.89	23.03
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	51.46	
32 31 13 13-0652	EA		6' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	237.20	29.85
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	59.05	
32 31 13 13-0653	EA		8' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	285.13	38.39
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	67.98	
32 31 13 13-0654	EA		10' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	331.10	47.77
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	74.43	
32 31 13 13-0655	EA		12' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	376.78	56.82
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	82.46	
32 31 13 13-0656	EA		14' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	417.99	63.98
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	90.42	
32 31 13 13-0657	EA		16' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	468.43	73.79
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	98.66	
32 31 13 13-0658	EA		18' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	537.58	83.05
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	114.37	
32 31 13 13-0659	EA		20' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	593.87	92.89
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	135.18	
<b>32 31 13 13-0660</b>			<b>33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate</b> (32 31 13 13-0641)		
			Note: Round top edges. Includes lag bolt hinges, lock plate and hardware.		
32 31 13 13-0661	EA		4' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	211.96	23.03
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	57.48	
32 31 13 13-0662	EA		6' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	252.02	29.85
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	64.98	
32 31 13 13-0663	EA		8' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	295.18	38.39
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	72.00	
32 31 13 13-0664	EA		10' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	345.75	47.77
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	80.29	
32 31 13 13-0665	EA		12' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	387.37	56.82
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	86.70	
32 31 13 13-0666	EA		14' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	442.72	63.98
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	100.31	
32 31 13 13-0667	EA		16' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	495.27	73.79
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	109.39	
32 31 13 13-0668	EA		18' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	578.55	83.05
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	130.76	
32 31 13 13-0669	EA		20' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	630.71	92.89
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	149.92	
<b>32 31 13 13-0670</b>			<b>Tubular Steel Barrier Gate (Triangular Shape)</b> (32 31 13 13-0641)		
			Note: Includes posts, caps, welded hinges and lock keeper. Excludes augering, concrete, and bollards.		
32 31 13 13-0671	EA		4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post.....	1,725.90	47.77
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	555.75	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0672	EA	4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	1,873.54 595.58	56.82
32 31 13	13-0673	EA	4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	2,219.13 716.76	63.98
32 31 13	13-0674	EA	4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	1,783.46 578.52	47.77
32 31 13	13-0675	EA	4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	1,939.33 621.59	56.82
32 31 13	13-0676	EA	4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	2,284.93 742.77	63.98
32 31 13	13-0677		<b>Four Rail Tube Gate, 1-1/2" Diameter Welded Galvanized Steel Tubing</b> (32 31 13-0641) Note: Excludes augering holes and concrete.		
32 31 13	13-0678	EA	4' Four Rail Metal Frame Tube Gate, 1-1/2" Diameter Welded Galvanized Steel With Posts ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	376.87 27.90	23.03
32 31 13	13-0679		<b>Tubular Horse Gate</b> (32 31 13-0641) Note: Includes posts, caps and hardware. Treated with Natina (or Equal) galvanized surface stain "rustic brown finish". Excludes augering holes and concrete.		
32 31 13	13-0680	EA	5-1/2' Above Ground, 5' Wide Tubular Galvanized Steel Horse Gate With 3" Diameter Posts ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	2,823.92 805.40	23.03
32 31 13	13-0681		<b>Pipe Gate</b> (32 31 13-0263)		
32 31 13	13-0682	EA	20' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier).....	2,864.72	
32 31 13	13-0683	EA	25' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier).....	3,578.56	
32 31 13	13-0684	EA	30' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier).....	4,261.29	
32 31 13	13-0685		<b>Vertical-Pivot Lift Gate</b> (32 31 13-0263) Note: Includes 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes operator. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate.		
32 31 13	13-0686	EA	5' High x 12' Wide Galvanized Vertical-Pivot Lift Gate ..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i>	18,429.45 239.00 245.00	758.03
32 31 13	13-0687	EA	5' High x 14' Wide Galvanized Vertical-Pivot Lift Gate ..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i>	18,732.67 239.00 245.00	909.64
32 31 13	13-0688	EA	5' High x 16' Wide Galvanized Vertical-Pivot Lift Gate ..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i> <i>For Wind Bracing, Add</i>	19,035.88 239.00 245.00 287.50	1,061.25
32 31 13	13-0689	EA	5' High x 18' Wide Galvanized Vertical-Pivot Lift Gate ..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i> <i>For Wind Bracing, Add</i>	19,551.18 239.00 245.00 317.50	1,212.86
32 31 13	13-0690	EA	5' High x 20' Wide Galvanized Vertical-Pivot Lift Gate ..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i> <i>For Wind Bracing, Add</i>	20,055.87 239.00 245.00 317.50	1,364.46
32 31 13	13-0691	EA	6' High x 12' Wide Galvanized Vertical-Pivot Lift Gate ..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i>	19,297.83 239.00 245.00	985.44
32 31 13	13-0692	EA	6' High x 14' Wide Galvanized Vertical-Pivot Lift Gate ..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i>	19,601.04 239.00 245.00	1,137.06
32 31 13	13-0693	EA	6' High x 16' Wide Galvanized Vertical-Pivot Lift Gate ..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i> <i>For Wind Bracing, Add</i>	19,904.26 239.00 245.00 287.50	1,288.66
32 31 13	13-0694	EA	6' High x 18' Wide Galvanized Vertical-Pivot Lift Gate ..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i> <i>For Wind Bracing, Add</i>	20,324.11 239.00 245.00 317.50	1,440.27
32 31 13	13-0695	EA	6' High x 20' Wide Galvanized Vertical-Pivot Lift Gate ..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i> <i>For Wind Bracing, Add</i>	20,924.24 239.00 245.00 317.50	1,591.87
32 31 13	13-0696		<b>Accessories</b> (32 31 13 13)		
32 31 13	13-0697		<b>Barbed And Concertina Wire</b> (32 31 13-0696)		
32 31 13	13-0698		<b>Single Strand Barbed Wire</b> (32 31 13-0697)		
32 31 13	13-0699	LF	Galvanized Barbed Wire, Per Strand ..... Note: Includes clips. 4 points 12-1/2 Gauge, Class I. <i>For &gt;500 To 2,000, Deduct</i> <i>For &gt;2,000, Deduct</i>	0.92 -0.09 -0.13	0.43
32 31 13	13-0700	LF	Vinyl Coated Barbed Wire (Fused), Per Strand ..... Note: Includes clips. <i>For &gt;500 To 2,000, Deduct</i> <i>For &gt;2,000, Deduct</i>	1.04 -0.09 -0.14	0.43
32 31 13	13-0701	EA	Barbed Wire Extension Arms 3 Strands (Single Arm).....	10.02	6.82
32 31 13	13-0702	EA	Barbed Wire Extension Arms 6 Strands (Double Arm).....	16.05	8.19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0703	EA	Barbed Wire Eye Tops (For Single Strand).....	10.38	6.82
<b>32 31 13 13-0704 Galvanized Steel Concertina (Razor) Wire, Single Coil (32 31 13 13-0697)</b>					
32 31 13	13-0705	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	2.48	0.60
			<i>For &gt;500 To 1,500, Deduct</i>	-0.23	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-0.46	
			<i>For &gt;5,000, Deduct</i>	-0.67	
			<i>For Ground Installation, Deduct</i>	-0.43	
			<i>For Double Coil (Helix), Add</i>	1.63	
32 31 13	13-0706	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.72	0.60
			<i>For &gt;500 To 1,500, Deduct</i>	-0.34	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-0.69	
			<i>For &gt;5,000, Deduct</i>	-1.00	
			<i>For Ground Installation, Deduct</i>	-0.64	
			<i>For Double Coil (Helix), Add</i>	2.44	
32 31 13	13-0707	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	4.95	0.60
			<i>For &gt;500 To 1,500, Deduct</i>	-0.46	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-0.91	
			<i>For &gt;5,000, Deduct</i>	-1.33	
			<i>For Ground Installation, Deduct</i>	-0.85	
			<i>For Double Coil (Helix), Add</i>	3.25	
32 31 13	13-0708	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.53	0.60
			<i>For &gt;500 To 1,500, Deduct</i>	-0.31	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-0.62	
			<i>For &gt;5,000, Deduct</i>	-0.90	
			<i>For Ground Installation, Deduct</i>	-0.47	
			<i>For Double Coil (Helix), Add</i>	2.59	
32 31 13	13-0709	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.32	0.60
			<i>For &gt;500 To 1,500, Deduct</i>	-0.47	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-0.94	
			<i>For &gt;5,000, Deduct</i>	-1.35	
			<i>For Ground Installation, Deduct</i>	-0.71	
			<i>For Double Coil (Helix), Add</i>	3.90	
32 31 13	13-0710	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	7.04	0.60
			<i>For &gt;500 To 1,500, Deduct</i>	-0.62	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-1.24	
			<i>For &gt;5,000, Deduct</i>	-1.78	
			<i>For Ground Installation, Deduct</i>	-0.94	
			<i>For Double Coil (Helix), Add</i>	5.16	
32 31 13	13-0711	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	8.56	0.60
			<i>For &gt;500 To 1,500, Deduct</i>	-0.70	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-1.39	
			<i>For &gt;5,000, Deduct</i>	-1.93	
			<i>For Ground Installation, Deduct</i>	-0.53	
			<i>For Double Coil (Helix), Add</i>	7.50	
32 31 13	13-0712	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	12.93	0.60
			<i>For &gt;500 To 1,500, Deduct</i>	-1.05	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-2.10	
			<i>For &gt;5,000, Deduct</i>	-2.91	
			<i>For Ground Installation, Deduct</i>	-0.80	
			<i>For Double Coil (Helix), Add</i>	11.33	
32 31 13	13-0713	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	17.11	0.60
			<i>For &gt;500 To 1,500, Deduct</i>	-1.39	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-2.78	
			<i>For &gt;5,000, Deduct</i>	-3.85	
			<i>For Ground Installation, Deduct</i>	-1.07	
			<i>For Double Coil (Helix), Add</i>	14.98	
<b>32 31 13 13-0714 Stainless Steel Concertina (Razor) Wire, Single Coil (32 31 13 13-0697)</b>					
32 31 13	13-0715	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.58	0.60
			<i>For &gt;500 To 1,500, Deduct</i>	-0.31	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-0.62	
			<i>For &gt;5,000, Deduct</i>	-0.89	
			<i>For Ground Installation, Deduct</i>	-0.43	
			<i>For Double Coil (Helix), Add</i>	2.73	
32 31 13	13-0716	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.40	0.60
			<i>For &gt;500 To 1,500, Deduct</i>	-0.47	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-0.94	
			<i>For &gt;5,000, Deduct</i>	-1.34	
			<i>For Ground Installation, Deduct</i>	-0.64	
			<i>For Double Coil (Helix), Add</i>	4.12	
32 31 13	13-0717	LF	18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	7.15	0.60
			<i>For &gt;500 To 1,500, Deduct</i>	-0.62	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-1.24	
			<i>For &gt;5,000, Deduct</i>	-1.77	
			<i>For Ground Installation, Deduct</i>	-0.85	
			<i>For Double Coil (Helix), Add</i>	5.45	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0718	LF	24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	4.46	0.60
			<i>For &gt;500 To 1,500, Deduct</i>	-0.38	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-0.76	
			<i>For &gt;5,000, Deduct</i>	-1.08	
			<i>For Ground Installation, Deduct</i>	-0.47	
			<i>For Double Coil (Helix), Add</i>	3.52	
32 31 13	13-0719	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	6.74	0.60
			<i>For &gt;500 To 1,500, Deduct</i>	-0.58	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-1.15	
			<i>For &gt;5,000, Deduct</i>	-1.63	
			<i>For Ground Installation, Deduct</i>	-0.71	
			<i>For Double Coil (Helix), Add</i>	5.32	
32 31 13	13-0720	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	8.91	0.60
			<i>For &gt;500 To 1,500, Deduct</i>	-0.76	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-1.52	
			<i>For &gt;5,000, Deduct</i>	-2.16	
			<i>For Ground Installation, Deduct</i>	-0.94	
			<i>For Double Coil (Helix), Add</i>	7.03	
32 31 13	13-0721	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	12.10	0.60
			<i>For &gt;500 To 1,500, Deduct</i>	-0.96	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-1.92	
			<i>For &gt;5,000, Deduct</i>	-2.63	
			<i>For Ground Installation, Deduct</i>	-0.53	
			<i>For Double Coil (Helix), Add</i>	11.04	
32 31 13	13-0722	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	18.30	0.60
			<i>For &gt;500 To 1,500, Deduct</i>	-1.45	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-2.91	
			<i>For &gt;5,000, Deduct</i>	-3.98	
			<i>For Ground Installation, Deduct</i>	-0.80	
			<i>For Double Coil (Helix), Add</i>	16.70	
32 31 13	13-0723	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	24.19	0.60
			<i>For &gt;500 To 1,500, Deduct</i>	-1.92	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-3.84	
			<i>For &gt;5,000, Deduct</i>	-5.26	
			<i>For Ground Installation, Deduct</i>	-1.07	
			<i>For Double Coil (Helix), Add</i>	22.06	
32 31 13	13-0724		<b>Grounding For Gates</b> <small>(32 31 13 13-0696)</small> Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13	13-0725	OPN	Grounding For Gates (Per Opening).....	436.20	
32 31 13	13-0726		<b>Coiled Spring Reinforcing Wire</b> <small>(32 31 13 13-0696)</small>		
32 31 13	13-0727		<b>Galvanized Steel</b> <small>(32 31 13 13-0726)</small>		
32 31 13	13-0728	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring .....	1.02	0.43
32 31 13	13-0729		<b>Vinyl Coated Steel</b> <small>(32 31 13 13-0726)</small>		
32 31 13	13-0730	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring .....	1.02	0.43
32 31 13	13-0731		<b>Bending Of Fabric Around Pipe Railings</b> <small>(32 31 13 13-0696)</small> Note: Only where specified.		
32 31 13	13-0732	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Top .....	1.35	
32 31 13	13-0733	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Bottom .....	1.17	
32 31 13	13-0734		<b>Mounting Plate With Anchors Or Bolts</b> <small>(32 31 13 13-0696)</small> Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13	13-0735	EA	Mounting Plate For 1-5/8" Diameter Post.....	34.79	
32 31 13	13-0736	EA	Mounting Plate For 2" Diameter Post.....	35.33	
32 31 13	13-0737	EA	Mounting Plate For 2-1/2" Diameter Post.....	36.37	
32 31 13	13-0738	EA	Mounting Plate For 3" Diameter Post.....	43.58	
32 31 13	13-0739	EA	Mounting Plate For 4" Diameter Post.....	49.97	
32 31 13	13-0740	EA	Mounting Plate For 6-5/8" Diameter Post.....	57.70	
32 31 13	13-0741	EA	Mounting Plate For 8-5/8" Diameter Post.....	67.85	
32 31 13	13-0742		<b>Tension Bar</b> <small>(32 31 13 13-0696)</small>		
32 31 13	13-0743	EA	3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	12.62	
32 31 13	13-0744	EA	3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	13.41	
32 31 13	13-0745	EA	4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	16.25	
32 31 13	13-0746	EA	5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	18.70	
32 31 13	13-0747	EA	6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	21.92	
32 31 13	13-0748	EA	7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	25.27	
32 31 13	13-0749	EA	8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	28.53	
32 31 13	13-0750	EA	9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	34.00	
32 31 13	13-0751	EA	10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	40.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0752			<b>Truss Rods</b> (32 31 13 13-0696)		
32 31 13 13-0753	LF		3/8" Diameter Truss Rods.....	1.70	0.47

**32 31 13 13-0754 Fence And Gate Repair And Replacement** (32 31 13 13)

**32 31 13 13-0755 Fence And Gate Parts Replacement** (32 31 13 13-0754)

32 31 13 13-0756	EA		Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement.....	107.12	
32 31 13 13-0757	EA		Sliding Gate Roller Assembly Replacement.....	105.05	
32 31 13 13-0758	EA		Rod And Lock Gate Keeper Replacement.....	106.61	
32 31 13 13-0759	EA		Galvanized Gate Holdback Replacement.....	23.66	
32 31 13 13-0760	LF		3/8" Cross Bracing Rod Replacement.....	1.38	
32 31 13 13-0761	LF		1-5/8" Diagonal Pipe Bracing Replacement.....	2.14	
32 31 13 13-0762	EA		2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	20.98	
32 31 13 13-0763	EA		2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	24.10	
32 31 13 13-0764	EA		3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	27.24	
32 31 13 13-0765	EA		6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	40.19	
32 31 13 13-0766	EA		8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	71.87	
32 31 13 13-0767	EA		2-1/2" x 2" Off Set Gate Hinge Replacement.....	22.16	
32 31 13 13-0768	EA		3" x 2" Off Set Gate Hinge Replacement.....	23.13	
32 31 13 13-0769	EA		4" x 2" Off Set Gate Hinge Replacement.....	24.68	
32 31 13 13-0770	EA		6-5/8" x 2" Off Set Gate Hinge Replacement.....	40.26	
32 31 13 13-0771	EA		8-5/8" x 2" Off Set Gate Hinge Replacement.....	63.32	
32 31 13 13-0772	EA		1-5/8" Aluminum Die-Cast Post Cap Replacement.....	4.70	
32 31 13 13-0773	EA		2" Aluminum Die-Cast Post Cap Replacement.....	5.16	
32 31 13 13-0774	EA		2-1/2" Aluminum Die-Cast Post Cap Replacement.....	5.93	
32 31 13 13-0775	EA		3" Aluminum Die-Cast Post Cap Replacement.....	6.85	
32 31 13 13-0776	EA		2" Galvanized Post Cap Replacement.....	5.50	
32 31 13 13-0777	EA		2-1/2" Galvanized Post Cap Replacement.....	5.95	
32 31 13 13-0778	EA		3" Galvanized Post Cap Replacement.....	6.82	
32 31 13 13-0779	EA		4" Galvanized Post Cap Replacement.....	10.12	
32 31 13 13-0780	EA		6-5/8" Galvanized Post Cap Replacement.....	19.00	
32 31 13 13-0781	EA		8-5/8" Galvanized Post Cap Replacement.....	31.16	
32 31 13 13-0782	EA		1-5/8" Boulevard Clamp Replacement.....	9.17	
32 31 13 13-0783	EA		2" Boulevard Clamp Replacement.....	11.19	
32 31 13 13-0784	EA		2-1/2" Boulevard Clamp Replacement.....	13.12	
32 31 13 13-0785	EA		3" Boulevard Clamp Replacement.....	15.92	
32 31 13 13-0786	EA		1-5/8" Gate Brace Or End Rail Clamp Replacement.....	8.99	
32 31 13 13-0787	EA		2" Gate Brace Or End Rail Clamp Replacement.....	10.94	
32 31 13 13-0788	EA		2-1/2" Gate Brace Or End Rail Clamp Replacement.....	12.87	
32 31 13 13-0789	EA		1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	9.31	
32 31 13 13-0790	EA		1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	9.39	
32 31 13 13-0791	EA		2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	9.60	
32 31 13 13-0792	EA		2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	9.51	
32 31 13 13-0793	EA		3" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	9.66	
32 31 13 13-0794	EA		3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	9.80	
32 31 13 13-0795	EA		4" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.18	
32 31 13 13-0796	EA		6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	12.96	
32 31 13 13-0797	EA		3" Gate Brace Or End Rail Clamp Replacement.....	15.66	

**32 31 13 13-0798 Removal And Reinstallation Of Chain Link Fences** (32 31 13 13)

Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.

32 31 13 13-0799	LF		Removal And Reinstallation Of Chain Link Fence Up To 5' Height.....	17.06	
32 31 13 13-0800	LF		Removal And Reinstallation Of Chain Link Fence 6' To 12' Height.....	25.59	

**32 31 13 13-0801 Ballfield Fencing** (32 31 13 13)

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

**32 31 13 13-0802 Concrete Bases For Ballfield Poles, Cast In Place** (32 31 13 13-0801)

Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill.

32 31 13 13-0803	VLF		2-1/2" Diameter Concrete Base For Ballfield Poles.....	104.42	
32 31 13 13-0804	VLF		3" Diameter Concrete Base For Ballfield Poles.....	126.54	
32 31 13 13-0805	VLF		3-1/2" Diameter Concrete Base For Ballfield Poles.....	157.62	
32 31 13 13-0806	VLF		4" Diameter Concrete Base For Ballfield Poles.....	187.25	

**32 31 13 13-0807 Ballfield Poles** (32 31 13 13-0801)

32 31 13 13-0808	EA		20' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting.....	5,753.49	557.11
			Note: 10' above grade		
32 31 13 13-0809	EA		25' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting.....	7,138.58	696.39
			Note: 15' above grade		
32 31 13 13-0810	EA		30' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting.....	8,214.70	835.66
			Note: 20' above grade		
32 31 13 13-0811	EA		40' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting.....	11,000.11	974.94
			Note: 30' above grade		
32 31 13 13-0812	EA		50' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting.....	14,685.05	1,114.22
			Note: 40' above grade		
32 31 13 13-0813	EA		60' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting.....	16,412.62	1,253.50
			Note: 50' above grade		

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
32 31 13 13-0814		<b>Ballfield Nylon Netting</b> (32 31 13 13-0801) Note: Excludes fastening clips and cabling See CSI section 05 15 00 00-0000 for cabling and accessories.			
32 31 13 13-0815	LF	10' High, #18 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting .....	1.42		
32 31 13 13-0816	LF	10' High, #21 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting .....	1.45		
32 31 13 13-0817	LF	10' High, #36 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting .....	1.60		
32 31 13 13-0818	LF	10' High, #42 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting .....	1.79		
32 31 13 13-0819	LF	10' High, #48 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting .....	1.99		
32 31 13 13-0820	LF	10' High, #60 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting .....	2.61		
32 31 13 13-0821	LF	10' High, #72 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting .....	2.94		
32 31 13 13-0822	LF	10' High, #96 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting .....	3.82		
32 31 13 13-0823		<b>Ballfield Chainlink Netting</b> (32 31 13 13-0801) Note: Excludes fastening clips and cabling See CSI section 05 15 00 00-0000 for cabling and accessories.			
32 31 13 13-0824	SF	#9 Gauge Chain Link Fabric, 2" Mesh For Ballfield Netting .....	3.14		1.05
		For 13 Gauge Fabric, Deduct .....	-0.47		
		For 11 Gauge Fabric, Deduct .....	-0.26		
		For 6 Gauge Fabric, Add .....	0.83		
		For 1" Mesh Fabric, Add .....	0.78		
		For 1-3/4" Mesh Fabric, Add .....	0.31		
		For 2-1/8" Mesh Fabric, Deduct .....	-0.16		
		For 2-3/8" Mesh Fabric, Deduct .....	-0.21		
32 31 13 13-0825		<b>Ballfield Netting Accessories</b> (32 31 13 13-0801)			
32 31 13 13-0826	EA	Sliding Clip For Ballfield Netting .....	6.97		
32 31 13 13-0827	EA	1/4" Utility Spring Swing Clip For Ballfield Netting .....	3.17		
32 31 13 13-0828	EA	5/16" Utility Spring Swing Clip For Ballfield Netting .....	3.31		
32 31 13 13-0829	EA	3/8" Utility Spring Swing Clip For Ballfield Netting .....	3.52		
<b>32 31 13 33</b>		<b>Chain Link Backstops</b> (32 31 13)			
32 31 13 33-0001		<b>Regulation Baseball Backstop</b> (32 31 13 33) See CSI section 32 31 13 13-0001 for auguring holes and concrete.			
32 31 13 33-0002	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized .....	10,758.23		1,735.30
32 31 13 33-0003	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized .....	15,527.29		2,313.73
32 31 13 33-0004	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized .....	19,799.98		2,699.36
32 31 13 33-0005	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated .....	15,132.53		1,735.30
32 31 13 33-0006	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated .....	22,072.61		2,313.73
32 31 13 33-0007	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated .....	28,437.56		2,699.36
32 31 13 33-0008		<b>Regulation Softball Backstop</b> (32 31 13 33) See CSI section 32 31 13 13-0001 for auguring holes and concrete.			
32 31 13 33-0009		<b>14' High Softball Backstop</b> (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.			
32 31 13 33-0010	EA	14' Softball Backstop, Galvanized Regulation .....	9,134.99		1,757.73
32 31 13 33-0011	EA	14' Softball Backstop, Vinyl Coated Regulation .....	12,272.31		1,757.73
32 31 13 33-0012		<b>18' High Softball Backstop</b> (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.			
32 31 13 33-0013	EA	18' Softball Backstop, Galvanized Regulation .....	10,667.72		1,954.12
32 31 13 33-0014	EA	18' Softball Backstop Vinyl Coated Regulation .....	14,462.85		1,954.12
32 31 13 33-0015		<b>20' High Softball Backstop</b> (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.			
32 31 13 33-0016	EA	20' Softball Backstop, Galvanized Regulation .....	12,084.49		2,060.34
32 31 13 33-0017	EA	20' Softball Backstop, Vinyl Coated Regulation .....	16,588.09		2,060.34
32 31 13 33-0018		<b>22' High Softball Backstop</b> (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.			
32 31 13 33-0019	EA	22' Softball Backstop, Galvanized Regulation .....	13,924.42		2,122.50
32 31 13 33-0020	EA	22' Softball Backstop, Vinyl Coated Regulation .....	19,338.81		2,122.50
32 31 13 33-0021		<b>24' High Softball Backstop</b> (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.			
32 31 13 33-0022	EA	24' Softball Backstop, Galvanized Regulation .....	16,578.61		2,425.72
32 31 13 33-0023	EA	24' Softball Backstop, Vinyl Coated Regulation .....	23,308.66		2,425.72
<b>32 31 16</b>		<b>Welded Wire Fences and Gates</b> (32 31)			
32 31 16 00-0001		<b>Welded Wire Fence</b> (32 31 16)			
32 31 16 00-0002		<b>12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh</b> (32 31 16 00-0001) Note: Posts 5' on center.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 16 00-0003	LF		3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	8.38	1.52
32 31 16 00-0004	LF		5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	9.03	1.52
<b>32 31 16 00-0005</b>			<b>14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh</b> (32 31 16 00-0001) Note: Posts 5' on center.		
32 31 16 00-0006	LF		3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	8.25	1.52
32 31 16 00-0007	LF		5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	8.82	1.52
<b>32 31 19</b>			<b>Decorative Metal Fences and Gates</b> (32 31) See CSI section 32 31 13 13-0001 for drilling and grouting.		
<b>32 31 19 00-0001</b>			<b>Wrought Iron Fence</b> (32 31 19) Note: Factory primed.		
<b>32 31 19 00-0002</b>			<b>Wrought Iron Fence, Verticals At &gt;2-1/2" To 3" On Center</b> (32 31 19 00-0001) Note: Factory primed.		
32 31 19 00-0003	LF		3' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	48.32	9.38
			For Verticals Up To 2" On Center, Add	5.91	
			For Verticals >2" To 2-1/2" On Center, Add	2.96	
			For Verticals >3" To 4" On Center, Deduct	-2.96	
			For Verticals >4" To 6" On Center, Deduct	-5.91	
32 31 19 00-0004	LF		4' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	62.23	11.94
			For Verticals Up To 2" On Center, Add	7.84	
			For Verticals >2" To 2-1/2" On Center, Add	3.92	
			For Verticals >3" To 4" On Center, Deduct	-3.92	
			For Verticals >4" To 6" On Center, Deduct	-7.84	
32 31 19 00-0005	LF		5' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	74.49	12.45
			For Verticals Up To 2" On Center, Add	9.88	
			For Verticals >2" To 2-1/2" On Center, Add	4.94	
			For Verticals >3" To 4" On Center, Deduct	-4.94	
			For Verticals >4" To 6" On Center, Deduct	-9.88	
32 31 19 00-0006	LF		6' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	90.24	15.01
			For Verticals Up To 2" On Center, Add	12.03	
			For Verticals >2" To 2-1/2" On Center, Add	6.02	
			For Verticals >3" To 4" On Center, Deduct	-6.02	
			For Verticals >4" To 6" On Center, Deduct	-12.03	
32 31 19 00-0007	LF		7' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	106.53	15.88
			For Verticals Up To 2" On Center, Add	14.95	
			For Verticals >2" To 2-1/2" On Center, Add	7.48	
			For Verticals >3" To 4" On Center, Deduct	-7.48	
			For Verticals >4" To 6" On Center, Deduct	-14.95	
32 31 19 00-0008	LF		8' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	122.81	16.72
			For Verticals Up To 2" On Center, Add	17.87	
			For Verticals >2" To 2-1/2" On Center, Add	8.94	
			For Verticals >3" To 4" On Center, Deduct	-8.94	
			For Verticals >4" To 6" On Center, Deduct	-17.87	
32 31 19 00-0009	LF		10' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	150.10	18.76
			For Verticals Up To 2" On Center, Add	22.51	
			For Verticals >2" To 2-1/2" On Center, Add	11.26	
			For Verticals >3" To 4" On Center, Deduct	-11.26	
			For Verticals >4" To 6" On Center, Deduct	-22.51	
32 31 19 00-0010	LF		12' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	177.82	21.32
			For Verticals Up To 2" On Center, Add	27.03	
			For Verticals >2" To 2-1/2" On Center, Add	13.52	
			For Verticals >3" To 4" On Center, Deduct	-13.52	
			For Verticals >4" To 6" On Center, Deduct	-27.03	
<b>32 31 19 00-0011</b>			<b>Wrought Iron Gates</b> (32 31 19 00-0001) Note: Factory primed.		
<b>32 31 19 00-0012</b>			<b>Single Wrought Iron Gates</b> (32 31 19 00-0011) Note: Factory primed.		
32 31 19 00-0013	LF		3' Single Wrought Iron Gate, Hardware And Associated Trim	59.73	11.43
32 31 19 00-0014	LF		4' Single Wrought Iron Gate, Hardware And Associated Trim	78.41	14.16
32 31 19 00-0015	LF		5' Single Wrought Iron Gate, Hardware And Associated Trim	96.10	17.06
32 31 19 00-0016	LF		6' Single Wrought Iron Gate, Hardware And Associated Trim	116.90	20.47
32 31 19 00-0017	LF		8' Single Wrought Iron Gate, Hardware And Associated Trim	158.77	22.69
32 31 19 00-0018	LF		10' Single Wrought Iron Gate, Hardware And Associated Trim	193.20	25.08
32 31 19 00-0019	LF		12' Single Wrought Iron Gate, Hardware And Associated Trim	226.96	28.49
<b>32 31 19 00-0020</b>			<b>Double Wrought Iron Gates</b> (32 31 19 00-0011) Note: Factory primed.		
32 31 19 00-0021	LF		3' Double Wrought Iron Gate, Hardware And Associated Trim	73.20	10.24
32 31 19 00-0022	LF		4' Double Wrought Iron Gate, Hardware And Associated Trim	96.27	12.79
32 31 19 00-0023	LF		5' Double Wrought Iron Gate, Hardware And Associated Trim	117.53	15.35
32 31 19 00-0024	LF		6' Double Wrought Iron Gate, Hardware And Associated Trim	142.62	18.42
32 31 19 00-0025	LF		8' Double Wrought Iron Gate, Hardware And Associated Trim	194.55	20.47
32 31 19 00-0026	LF		10' Double Wrought Iron Gate, Hardware And Associated Trim	237.13	22.52
32 31 19 00-0027	LF		12' Double Wrought Iron Gate, Hardware And Associated Trim	279.02	25.59
<b>32 31 19 00-0028</b>			<b>Repair Or Replace Wrought Iron Fence</b> (32 31 19 00-0001)		
32 31 19 00-0029	LF		Removal And Replacement Of Wrought Iron Picket	17.52	
32 31 19 00-0030	LF		Removal And Replacement Of Wrought Iron Post	26.49	
32 31 19 00-0031	EA		Straighten Wrought Iron Post	68.25	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 19 00-0032	Steel Tube Fence, Powder Coated <small>(32 31 19)</small> Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033	Steel Tube Fence, 2 Rail <small>(32 31 19 00-0032)</small>		
32 31 19 00-0034	LF 3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	59.86	9.38
	For Verticals Up To 2" On Center, Add	8.29	
	For Verticals >2" To 2-1/2" On Center, Add	4.15	
	For Verticals >3" To 4" On Center, Deduct	-4.15	
	For Verticals >4" To 6" On Center, Deduct	-8.29	
	For Solid Pickets, Add	12.09	
	For Aluminum With Satin Finish, Add	9.68	
	For Third Rail, Add	3.11	
	For 1" Square x 14 Gauge Pickets, Add	10.37	
	For 3" Square Posts, Add	4.15	
32 31 19 00-0035	LF 3-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	64.07	10.03
	For Verticals Up To 2" On Center, Add	8.80	
	For Verticals >2" To 2-1/2" On Center, Add	4.40	
	For Verticals >3" To 4" On Center, Deduct	-4.40	
	For Verticals >4" To 6" On Center, Deduct	-8.80	
	For Solid Pickets, Add	12.91	
	For Aluminum With Satin Finish, Add	10.19	
	For Third Rail, Add	3.30	
	For 1" Square x 14 Gauge Pickets, Add	11.00	
	For 3" Square Posts, Add	4.40	
32 31 19 00-0036	LF 4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	67.80	11.09
	For Verticals Up To 2" On Center, Add	9.21	
	For Verticals >2" To 2-1/2" On Center, Add	4.61	
	For Verticals >3" To 4" On Center, Deduct	-4.61	
	For Verticals >4" To 6" On Center, Deduct	-9.21	
	For Solid Pickets, Add	13.62	
	For Aluminum With Satin Finish, Add	10.56	
	For Third Rail, Add	3.45	
	For 1" Square x 14 Gauge Pickets, Add	11.52	
	For 3" Square Posts, Add	4.61	
32 31 19 00-0037	LF 5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	72.29	12.45
	For Verticals Up To 2" On Center, Add	9.44	
	For Verticals >2" To 2-1/2" On Center, Add	4.72	
	For Verticals >3" To 4" On Center, Deduct	-4.72	
	For Verticals >4" To 6" On Center, Deduct	-9.44	
	For Solid Pickets, Add	14.38	
	For Aluminum With Satin Finish, Add	10.40	
	For Third Rail, Add	3.54	
	For 1" Square x 14 Gauge Pickets, Add	11.80	
	For 3" Square Posts, Add	4.72	
32 31 19 00-0038	LF 6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	83.80	14.07
	For Verticals Up To 2" On Center, Add	11.13	
	For Verticals >2" To 2-1/2" On Center, Add	5.57	
	For Verticals >3" To 4" On Center, Deduct	-5.57	
	For Verticals >4" To 6" On Center, Deduct	-11.13	
	For Solid Pickets, Add	16.74	
	For Aluminum With Satin Finish, Add	12.47	
	For Third Rail, Add	4.17	
	For 1" Square x 14 Gauge Pickets, Add	13.91	
	For 3" Square Posts, Add	5.57	
32 31 19 00-0039	LF 7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	95.91	15.35
	For Verticals Up To 2" On Center, Add	13.04	
	For Verticals >2" To 2-1/2" On Center, Add	6.52	
	For Verticals >3" To 4" On Center, Deduct	-6.52	
	For Verticals >4" To 6" On Center, Deduct	-13.04	
	For Solid Pickets, Add	19.28	
	For Aluminum With Satin Finish, Add	14.95	
	For Third Rail, Add	4.89	
	For 1" Square x 14 Gauge Pickets, Add	16.30	
	For 4" Square Posts, Add	22.82	
32 31 19 00-0040	LF 8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	108.20	16.72
	For Verticals Up To 2" On Center, Add	14.95	
	For Verticals >2" To 2-1/2" On Center, Add	7.48	
	For Verticals >3" To 4" On Center, Deduct	-7.48	
	For Verticals >4" To 6" On Center, Deduct	-14.95	
	For Solid Pickets, Add	21.84	
	For Aluminum With Satin Finish, Add	17.41	
	For Third Rail, Add	5.61	
	For 1" Square x 14 Gauge Pickets, Add	18.69	
	For 4" Square Posts, Add	26.16	
32 31 19 00-0041	LF 9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	125.71	17.91
	For Verticals Up To 2" On Center, Add	17.98	
	For Verticals >2" To 2-1/2" On Center, Add	8.99	
	For Verticals >3" To 4" On Center, Deduct	-8.99	
	For Verticals >4" To 6" On Center, Deduct	-17.98	
	For Solid Pickets, Add	25.60	
	For Aluminum With Satin Finish, Add	21.59	
	For Third Rail, Add	6.74	
	For 1" Square x 14 Gauge Pickets, Add	22.47	
	For 4" Square Posts, Add	31.46	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0042	LF	10'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	143.40	19.19
			For Verticals Up To 2" On Center, Add	21.00	
			For Verticals >2" To 2-1/2" On Center, Add	10.50	
			For Verticals >3" To 4" On Center, Deduct	-10.50	
			For Verticals >4" To 6" On Center, Deduct	-21.00	
			For Solid Pickets, Add	29.39	
			For Aluminum With Satin Finish, Add	25.74	
			For Third Rail, Add	7.88	
			For 1" Square x 14 Gauge Pickets, Add	26.25	
			For 6" Square Posts, Add	36.75	
32 31 19 00-0043	LF	12'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	168.85	21.32
			For Verticals Up To 2" On Center, Add	25.24	
			For Verticals >2" To 2-1/2" On Center, Add	12.62	
			For Verticals >3" To 4" On Center, Deduct	-12.62	
			For Verticals >4" To 6" On Center, Deduct	-25.24	
			For Solid Pickets, Add	34.79	
			For Aluminum With Satin Finish, Add	31.46	
			For Third Rail, Add	9.46	
			For 1" Square x 14 Gauge Pickets, Add	31.55	
			For 6" Square Posts, Add	44.17	
32 31 19 00-0044	LF	14'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	180.88	23.03
			For Verticals Up To 2" On Center, Add	26.96	
			For Verticals >2" To 2-1/2" On Center, Add	13.48	
			For Verticals >3" To 4" On Center, Deduct	-13.48	
			For Verticals >4" To 6" On Center, Deduct	-26.96	
			For Solid Pickets, Add	37.24	
			For Aluminum With Satin Finish, Add	33.53	
			For Third Rail, Add	10.11	
			For 1" Square x 14 Gauge Pickets, Add	33.70	
			For 6" Square Posts, Add	47.18	
32 31 19 00-0045			Steel Tube Swing Gates (32 31 19 00-0042)		
32 31 19 00-0046			3' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0047	EA	3'	Wide x 3' High Steel Tube Single Swing Gate.....	707.07	18.17
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	155.00	
			For Aluminum With Satin Finish, Add	187.55	
			For Third Rail, Add	48.94	
			For 1" Square x 14 Gauge Pickets, Add	65.25	
32 31 19 00-0048	EA	3'-6"	Wide x 3' High Steel Tube Single Swing Gate.....	787.43	19.02
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	172.88	
			For Aluminum With Satin Finish, Add	210.51	
			For Third Rail, Add	54.77	
			For 1" Square x 14 Gauge Pickets, Add	73.03	
32 31 19 00-0049	EA	4'	Wide x 3' High Steel Tube Single Swing Gate.....	872.17	20.13
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	191.70	
			For Aluminum With Satin Finish, Add	234.39	
			For Third Rail, Add	60.87	
			For 1" Square x 14 Gauge Pickets, Add	81.16	
32 31 19 00-0050	EA	5'	Wide x 3' High Steel Tube Single Swing Gate.....	917.10	21.58
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	201.49	
			For Aluminum With Satin Finish, Add	245.96	
			For Third Rail, Add	63.92	
			For 1" Square x 14 Gauge Pickets, Add	85.23	
32 31 19 00-0051	EA	6'	Wide x 3' High Steel Tube Single Swing Gate.....	1,023.62	25.84
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	224.49	
			For Aluminum With Satin Finish, Add	272.15	
			For Third Rail, Add	70.95	
			For 1" Square x 14 Gauge Pickets, Add	94.60	
32 31 19 00-0052	EA	7'	Wide x 3' High Steel Tube Single Swing Gate.....	1,087.68	30.11
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	237.95	
			For Aluminum With Satin Finish, Add	285.62	
			For Third Rail, Add	74.79	
			For 1" Square x 14 Gauge Pickets, Add	99.73	
32 31 19 00-0053	EA	8'	Wide x 3' High Steel Tube Single Swing Gate.....	1,186.22	34.64
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	259.09	
			For Aluminum With Satin Finish, Add	309.03	
			For Third Rail, Add	81.16	
			For 1" Square x 14 Gauge Pickets, Add	108.21	
32 31 19 00-0054	EA	9'	Wide x 3' High Steel Tube Single Swing Gate.....	1,271.50	38.90
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	277.32	
			For Aluminum With Satin Finish, Add	328.86	
			For Third Rail, Add	86.60	
			For 1" Square x 14 Gauge Pickets, Add	115.46	
32 31 19 00-0055	EA	10'	Wide x 3' High Steel Tube Single Swing Gate.....	1,346.19	43.17
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	293.17	
			For Aluminum With Satin Finish, Add	345.51	
			For Third Rail, Add	91.24	
			For 1" Square x 14 Gauge Pickets, Add	121.65	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,479.38	36.35
			<i>For Solid Pickets, Add</i>	324.67	
			<i>For Aluminum With Satin Finish, Add</i>	394.67	
			<i>For Third Rail, Add</i>	102.76	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	137.02	
32 31	19 00-0057	EA	7' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,576.61	38.05
			<i>For Solid Pickets, Add</i>	346.16	
			<i>For Aluminum With Satin Finish, Add</i>	421.54	
			<i>For Third Rail, Add</i>	109.67	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	146.23	
32 31	19 00-0058	EA	8' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,744.35	40.35
			<i>For Solid Pickets, Add</i>	383.39	
			<i>For Aluminum With Satin Finish, Add</i>	468.79	
			<i>For Third Rail, Add</i>	121.74	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	162.32	
32 31	19 00-0059	EA	9' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,828.18	41.80
			<i>For Solid Pickets, Add</i>	401.94	
			<i>For Aluminum With Satin Finish, Add</i>	492.02	
			<i>For Third Rail, Add</i>	127.71	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	170.28	
32 31	19 00-0060	EA	10' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,896.10	43.17
			<i>For Solid Pickets, Add</i>	416.90	
			<i>For Aluminum With Satin Finish, Add</i>	510.48	
			<i>For Third Rail, Add</i>	132.48	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	176.64	
32 31	19 00-0061	EA	12' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,132.10	51.70
			<i>For Solid Pickets, Add</i>	468.08	
			<i>For Aluminum With Satin Finish, Add</i>	569.77	
			<i>For Third Rail, Add</i>	148.26	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	197.69	
32 31	19 00-0062	EA	14' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,334.52	60.23
			<i>For Solid Pickets, Add</i>	511.70	
			<i>For Aluminum With Satin Finish, Add</i>	618.97	
			<i>For Third Rail, Add</i>	161.53	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	215.37	
32 31	19 00-0063	EA	16' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,503.27	69.35
			<i>For Solid Pickets, Add</i>	547.62	
			<i>For Aluminum With Satin Finish, Add</i>	657.31	
			<i>For Third Rail, Add</i>	172.13	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	229.51	
32 31	19 00-0064	EA	18' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,643.80	77.80
			<i>For Solid Pickets, Add</i>	577.32	
			<i>For Aluminum With Satin Finish, Add</i>	687.96	
			<i>For Third Rail, Add</i>	180.75	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	241.01	
32 31	19 00-0065	EA	20' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,757.80	86.33
			<i>For Solid Pickets, Add</i>	601.06	
			<i>For Aluminum With Satin Finish, Add</i>	710.64	
			<i>For Third Rail, Add</i>	187.39	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	249.85	
32 31	19 00-0066		<b>4' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31	19 00-0067	EA	3' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	817.91	17.06
			<i>For Solid Pickets, Add</i>	179.71	
			<i>For Aluminum With Satin Finish, Add</i>	219.46	
			<i>For Third Rail, Add</i>	57.02	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	76.03	
32 31	19 00-0068	EA	3'-6" Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	885.47	19.87
			<i>For Solid Pickets, Add</i>	194.75	
			<i>For Aluminum With Satin Finish, Add</i>	238.77	
			<i>For Third Rail, Add</i>	61.93	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	82.58	
32 31	19 00-0069	EA	4' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	955.15	21.32
			<i>For Solid Pickets, Add</i>	210.11	
			<i>For Aluminum With Satin Finish, Add</i>	257.75	
			<i>For Third Rail, Add</i>	66.84	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	89.12	
32 31	19 00-0070	EA	5' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,012.47	22.69
			<i>For Solid Pickets, Add</i>	222.69	
			<i>For Aluminum With Satin Finish, Add</i>	273.03	
			<i>For Third Rail, Add</i>	70.82	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	94.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0071	EA		6' Wide x 4' High Steel Tube Single Swing Gate.....	1,089.76	27.29
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	239.05	
			For Aluminum With Satin Finish, Add	290.08	
			For Third Rail, Add	75.59	
			For 1" Square x 14 Gauge Pickets, Add	100.79	
32 31 19 00-0072	EA		7' Wide x 4' High Steel Tube Single Swing Gate.....	1,195.37	31.82
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	261.79	
			For Aluminum With Satin Finish, Add	315.61	
			For Third Rail, Add	82.49	
			For 1" Square x 14 Gauge Pickets, Add	109.98	
32 31 19 00-0073	EA		8' Wide x 4' High Steel Tube Single Swing Gate.....	1,341.64	36.35
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	293.68	
			For Aluminum With Satin Finish, Add	353.35	
			For Third Rail, Add	92.43	
			For 1" Square x 14 Gauge Pickets, Add	123.24	
32 31 19 00-0074	EA		9' Wide x 4' High Steel Tube Single Swing Gate.....	1,484.35	40.95
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	324.77	
			For Aluminum With Satin Finish, Add	390.03	
			For Third Rail, Add	102.11	
			For 1" Square x 14 Gauge Pickets, Add	136.15	
32 31 19 00-0075	EA		10' Wide x 4' High Steel Tube Single Swing Gate.....	1,620.01	45.47
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	354.27	
			For Aluminum With Satin Finish, Add	424.58	
			For Third Rail, Add	111.26	
			For 1" Square x 14 Gauge Pickets, Add	148.35	
32 31 19 00-0076	EA		6' Wide x 4' High Steel Tube Double Swing Gate .....	1,635.82	38.39
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	359.42	
			For Aluminum With Satin Finish, Add	438.92	
			For Third Rail, Add	114.05	
			For 1" Square x 14 Gauge Pickets, Add	152.07	
32 31 19 00-0077	EA		7' Wide x 4' High Steel Tube Double Swing Gate .....	1,770.93	39.76
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	389.50	
			For Aluminum With Satin Finish, Add	477.54	
			For Third Rail, Add	123.86	
			For 1" Square x 14 Gauge Pickets, Add	165.15	
32 31 19 00-0078	EA		8' Wide x 4' High Steel Tube Double Swing Gate .....	1,910.31	42.66
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	420.22	
			For Aluminum With Satin Finish, Add	515.51	
			For Third Rail, Add	133.68	
			For 1" Square x 14 Gauge Pickets, Add	178.24	
32 31 19 00-0079	EA		9' Wide x 4' High Steel Tube Double Swing Gate .....	2,020.67	44.02
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	444.73	
			For Aluminum With Satin Finish, Add	546.70	
			For Third Rail, Add	141.63	
			For 1" Square x 14 Gauge Pickets, Add	188.84	
32 31 19 00-0080	EA		10' Wide x 4' High Steel Tube Double Swing Gate .....	2,113.34	45.47
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	465.26	
			For Aluminum With Satin Finish, Add	572.58	
			For Third Rail, Add	148.26	
			For 1" Square x 14 Gauge Pickets, Add	197.69	
32 31 19 00-0081	EA		12' Wide x 4' High Steel Tube Double Swing Gate .....	2,397.03	54.51
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	527.05	
			For Aluminum With Satin Finish, Add	645.40	
			For Third Rail, Add	167.49	
			For 1" Square x 14 Gauge Pickets, Add	223.32	
32 31 19 00-0082	EA		14' Wide x 4' High Steel Tube Double Swing Gate .....	2,645.35	63.64
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	580.87	
			For Aluminum With Satin Finish, Add	707.61	
			For Third Rail, Add	184.07	
			For 1" Square x 14 Gauge Pickets, Add	245.43	
32 31 19 00-0083	EA		16' Wide x 4' High Steel Tube Double Swing Gate .....	2,860.07	72.68
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	627.14	
			For Aluminum With Satin Finish, Add	759.75	
			For Third Rail, Add	198.13	
			For 1" Square x 14 Gauge Pickets, Add	264.17	
32 31 19 00-0084	EA		18' Wide x 4' High Steel Tube Double Swing Gate .....	3,044.75	81.81
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	666.64	
			For Aluminum With Satin Finish, Add	802.86	
			For Third Rail, Add	209.93	
			For 1" Square x 14 Gauge Pickets, Add	279.91	
32 31 19 00-0085	EA		20' Wide x 4' High Steel Tube Double Swing Gate .....	3,201.12	90.93
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	699.78	
			For Aluminum With Satin Finish, Add	837.50	
			For Third Rail, Add	219.61	
			For 1" Square x 14 Gauge Pickets, Add	292.81	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0086			<b>5' Fence Height Steel Tube Swing Gates, 2 Rail</b> (32 31 19 00-0045)		
32 31 19 00-0087	EA		3' Wide x 5' High Steel Tube Single Swing Gate.....	890.77	19.87
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	195.94	
			For Aluminum With Satin Finish, Add	240.36	
			For Third Rail, Add	62.33	
			For 1" Square x 14 Gauge Pickets, Add	83.11	
32 31 19 00-0088	EA		3'-6" Wide x 5' High Steel Tube Single Swing Gate .....	939.24	21.32
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	206.53	
			For Aluminum With Satin Finish, Add	252.98	
			For Third Rail, Add	65.64	
			For 1" Square x 14 Gauge Pickets, Add	87.53	
32 31 19 00-0089	EA		4' Wide x 5' High Steel Tube Single Swing Gate.....	985.95	22.69
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	216.72	
			For Aluminum With Satin Finish, Add	265.07	
			For Third Rail, Add	68.83	
			For 1" Square x 14 Gauge Pickets, Add	91.77	
32 31 19 00-0090	EA		5' Wide x 5' High Steel Tube Single Swing Gate.....	1,053.86	24.14
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	231.68	
			For Aluminum With Satin Finish, Add	283.53	
			For Third Rail, Add	73.60	
			For 1" Square x 14 Gauge Pickets, Add	98.14	
32 31 19 00-0091	EA		6' Wide x 5' High Steel Tube Single Swing Gate.....	1,144.39	29.00
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	250.96	
			For Aluminum With Satin Finish, Add	304.16	
			For Third Rail, Add	79.30	
			For 1" Square x 14 Gauge Pickets, Add	105.74	
32 31 19 00-0092	EA		7' Wide x 5' High Steel Tube Single Swing Gate.....	1,265.00	33.79
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	277.01	
			For Aluminum With Satin Finish, Add	333.82	
			For Third Rail, Add	87.26	
			For 1" Square x 14 Gauge Pickets, Add	116.35	
32 31 19 00-0093	EA		8' Wide x 5' High Steel Tube Single Swing Gate.....	1,434.19	38.90
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	313.93	
			For Aluminum With Satin Finish, Add	377.66	
			For Third Rail, Add	98.80	
			For 1" Square x 14 Gauge Pickets, Add	131.73	
32 31 19 00-0094	EA		9' Wide x 5' High Steel Tube Single Swing Gate.....	1,598.98	43.77
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	349.92	
			For Aluminum With Satin Finish, Add	420.58	
			For Third Rail, Add	110.07	
			For 1" Square x 14 Gauge Pickets, Add	146.76	
32 31 19 00-0095	EA		10' Wide x 5' High Steel Tube Single Swing Gate.....	1,760.24	48.54
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	385.11	
			For Aluminum With Satin Finish, Add	462.43	
			For Third Rail, Add	121.08	
			For 1" Square x 14 Gauge Pickets, Add	161.44	
32 31 19 00-0096	EA		6' Wide x 5' High Steel Tube Double Swing Gate .....	1,757.83	33.53
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	388.33	
			For Aluminum With Satin Finish, Add	484.28	
			For Third Rail, Add	124.66	
			For 1" Square x 14 Gauge Pickets, Add	166.21	
32 31 19 00-0097	EA		7' Wide x 5' High Steel Tube Double Swing Gate .....	1,860.42	39.07
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	410.22	
			For Aluminum With Satin Finish, Add	507.87	
			For Third Rail, Add	131.16	
			For 1" Square x 14 Gauge Pickets, Add	174.88	
32 31 19 00-0098	EA		8' Wide x 5' High Steel Tube Double Swing Gate .....	1,963.95	44.96
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	432.25	
			For Aluminum With Satin Finish, Add	531.33	
			For Third Rail, Add	137.65	
			For 1" Square x 14 Gauge Pickets, Add	183.54	
32 31 19 00-0099	EA		9' Wide x 5' High Steel Tube Double Swing Gate .....	2,107.21	50.59
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	463.28	
			For Aluminum With Satin Finish, Add	567.13	
			For Third Rail, Add	147.20	
			For 1" Square x 14 Gauge Pickets, Add	196.27	
32 31 19 00-0100	EA		10' Wide x 5' High Steel Tube Double Swing Gate .....	2,232.80	56.13
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	490.34	
			For Aluminum With Satin Finish, Add	597.63	
			For Third Rail, Add	155.42	
			For 1" Square x 14 Gauge Pickets, Add	207.23	
32 31 19 00-0101	EA		12' Wide x 5' High Steel Tube Double Swing Gate .....	2,542.37	62.45
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	558.66	
			For Aluminum With Satin Finish, Add	682.48	
			For Third Rail, Add	177.31	
			For 1" Square x 14 Gauge Pickets, Add	236.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0102	EA		14' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,820.24	69.27
			<i>For Solid Pickets, Add</i>	619.70	
			<i>For Aluminum With Satin Finish, Add</i>	756.97	
			<i>For Third Rail, Add</i>	196.67	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	262.22	
32 31 19 00-0103	EA		16' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,068.15	76.86
			<i>For Solid Pickets, Add</i>	673.87	
			<i>For Aluminum With Satin Finish, Add</i>	821.63	
			<i>For Third Rail, Add</i>	213.64	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	284.86	
32 31 19 00-0104	EA		18' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,290.59	85.39
			<i>For Solid Pickets, Add</i>	722.08	
			<i>For Aluminum With Satin Finish, Add</i>	877.39	
			<i>For Third Rail, Add</i>	228.50	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	304.66	
32 31 19 00-0105	EA		20' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,487.55	94.94
			<i>For Solid Pickets, Add</i>	764.36	
			<i>For Aluminum With Satin Finish, Add</i>	924.23	
			<i>For Third Rail, Add</i>	241.23	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	321.64	
<b>32 31 19 00-0106</b>			<b>6' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)</b>		
32 31 19 00-0107	EA		3' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	926.80	21.84
			<i>For Solid Pickets, Add</i>	203.60	
			<i>For Aluminum With Satin Finish, Add</i>	248.48	
			<i>For Third Rail, Add</i>	64.58	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	86.11	
32 31 19 00-0108	EA		3'-6" Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	974.42	23.03
			<i>For Solid Pickets, Add</i>	214.06	
			<i>For Aluminum With Satin Finish, Add</i>	261.23	
			<i>For Third Rail, Add</i>	67.90	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	90.53	
32 31 19 00-0109	EA		4' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,022.64	24.31
			<i>For Solid Pickets, Add</i>	224.61	
			<i>For Aluminum With Satin Finish, Add</i>	273.89	
			<i>For Third Rail, Add</i>	71.21	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	94.95	
32 31 19 00-0110	EA		5' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,081.97	25.84
			<i>For Solid Pickets, Add</i>	237.62	
			<i>For Aluminum With Satin Finish, Add</i>	289.66	
			<i>For Third Rail, Add</i>	75.33	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	100.43	
32 31 19 00-0111	EA		6' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,213.10	31.22
			<i>For Solid Pickets, Add</i>	265.91	
			<i>For Aluminum With Satin Finish, Add</i>	321.71	
			<i>For Third Rail, Add</i>	83.95	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	111.93	
32 31 19 00-0112	EA		7' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,353.08	36.69
			<i>For Solid Pickets, Add</i>	296.19	
			<i>For Aluminum With Satin Finish, Add</i>	356.41	
			<i>For Third Rail, Add</i>	93.23	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	124.30	
32 31 19 00-0113	EA		8' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,509.90	41.80
			<i>For Solid Pickets, Add</i>	330.32	
			<i>For Aluminum With Satin Finish, Add</i>	396.54	
			<i>For Third Rail, Add</i>	103.84	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	138.45	
32 31 19 00-0114	EA		9' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,660.49	47.18
			<i>For Solid Pickets, Add</i>	362.99	
			<i>For Aluminum With Satin Finish, Add</i>	434.42	
			<i>For Third Rail, Add</i>	113.92	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	151.89	
32 31 19 00-0115	EA		10' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,844.67	52.55
			<i>For Solid Pickets, Add</i>	403.22	
			<i>For Aluminum With Satin Finish, Add</i>	482.39	
			<i>For Third Rail, Add</i>	126.51	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	168.69	
32 31 19 00-0116	EA		6' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,825.46	36.17
			<i>For Solid Pickets, Add</i>	402.99	
			<i>For Aluminum With Satin Finish, Add</i>	501.18	
			<i>For Third Rail, Add</i>	129.17	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	172.22	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,931.69	42.40
			<i>For Solid Pickets, Add</i>	425.55	
			<i>For Aluminum With Satin Finish, Add</i>	525.03	
			<i>For Third Rail, Add</i>	135.80	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	181.06	
32 31	19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,036.99	48.29
			<i>For Solid Pickets, Add</i>	447.98	
			<i>For Aluminum With Satin Finish, Add</i>	549.02	
			<i>For Third Rail, Add</i>	142.43	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	189.91	
32 31	19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,164.45	54.51
			<i>For Solid Pickets, Add</i>	475.32	
			<i>For Aluminum With Satin Finish, Add</i>	579.24	
			<i>For Third Rail, Add</i>	150.65	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	200.87	
32 31	19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,366.17	60.74
			<i>For Solid Pickets, Add</i>	519.37	
			<i>For Aluminum With Satin Finish, Add</i>	631.73	
			<i>For Third Rail, Add</i>	164.44	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	219.26	
32 31	19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,776.65	67.65
			<i>For Solid Pickets, Add</i>	610.25	
			<i>For Aluminum With Satin Finish, Add</i>	746.01	
			<i>For Third Rail, Add</i>	193.75	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	258.33	
32 31	19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,905.25	75.58
			<i>For Solid Pickets, Add</i>	637.49	
			<i>For Aluminum With Satin Finish, Add</i>	774.46	
			<i>For Third Rail, Add</i>	201.71	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	268.94	
32 31	19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,189.59	84.11
			<i>For Solid Pickets, Add</i>	699.64	
			<i>For Aluminum With Satin Finish, Add</i>	848.77	
			<i>For Third Rail, Add</i>	221.20	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	294.94	
32 31	19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,450.20	93.58
			<i>For Solid Pickets, Add</i>	756.24	
			<i>For Aluminum With Satin Finish, Add</i>	914.71	
			<i>For Third Rail, Add</i>	238.71	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	318.28	
32 31	19 00-0125	EA	20' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,691.59	104.42
			<i>For Solid Pickets, Add</i>	808.23	
			<i>For Aluminum With Satin Finish, Add</i>	973.19	
			<i>For Third Rail, Add</i>	254.49	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	339.32	
32 31	19 00-0126		<b>7' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)</b>		
32 31	19 00-0127	EA	3' Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	981.68	23.63
			<i>For Solid Pickets, Add</i>	215.55	
			<i>For Aluminum With Satin Finish, Add</i>	262.53	
			<i>For Third Rail, Add</i>	68.30	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	91.06	
32 31	19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,031.41	24.91
			<i>For Solid Pickets, Add</i>	226.46	
			<i>For Aluminum With Satin Finish, Add</i>	275.76	
			<i>For Third Rail, Add</i>	71.75	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	95.66	
32 31	19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,081.31	26.19
			<i>For Solid Pickets, Add</i>	237.39	
			<i>For Aluminum With Satin Finish, Add</i>	288.96	
			<i>For Third Rail, Add</i>	75.19	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	100.26	
32 31	19 00-0130	EA	5' Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,131.28	27.55
			<i>For Solid Pickets, Add</i>	248.33	
			<i>For Aluminum With Satin Finish, Add</i>	302.15	
			<i>For Third Rail, Add</i>	78.64	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	104.85	
32 31	19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,308.35	33.53
			<i>For Solid Pickets, Add</i>	286.83	
			<i>For Aluminum With Satin Finish, Add</i>	347.20	
			<i>For Third Rail, Add</i>	90.58	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	120.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0132	EA		7' Wide x 7' High Steel Tube Single Swing Gate.....	1,470.39	39.25
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	322.01	
			For Aluminum With Satin Finish, Add	388.14	
			For Third Rail, Add	101.45	
			For 1" Square x 14 Gauge Pickets, Add	135.27	
32 31 19 00-0133	EA		8' Wide x 7' High Steel Tube Single Swing Gate.....	1,587.33	45.13
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	346.98	
			For Aluminum With Satin Finish, Add	415.16	
			For Third Rail, Add	108.88	
			For 1" Square x 14 Gauge Pickets, Add	145.17	
32 31 19 00-0134	EA		9' Wide x 7' High Steel Tube Single Swing Gate.....	1,721.08	50.85
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	375.79	
			For Aluminum With Satin Finish, Add	447.61	
			For Third Rail, Add	117.63	
			For 1" Square x 14 Gauge Pickets, Add	156.84	
32 31 19 00-0135	EA		10' Wide x 7' High Steel Tube Single Swing Gate.....	1,885.77	56.82
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	411.50	
			For Aluminum With Satin Finish, Add	488.95	
			For Third Rail, Add	128.64	
			For 1" Square x 14 Gauge Pickets, Add	171.52	
32 31 19 00-0136	EA		6' Wide x 7' High Steel Tube Double Swing Gate.....	1,931.98	38.73
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	426.39	
			For Aluminum With Satin Finish, Add	529.77	
			For Third Rail, Add	136.59	
			For 1" Square x 14 Gauge Pickets, Add	182.13	
32 31 19 00-0137	EA		7' Wide x 7' High Steel Tube Double Swing Gate.....	2,042.69	45.30
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	449.89	
			For Aluminum With Satin Finish, Add	554.53	
			For Third Rail, Add	143.49	
			For 1" Square x 14 Gauge Pickets, Add	191.32	
32 31 19 00-0138	EA		8' Wide x 7' High Steel Tube Double Swing Gate.....	2,154.34	52.21
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	473.54	
			For Aluminum With Satin Finish, Add	579.16	
			For Third Rail, Add	150.39	
			For 1" Square x 14 Gauge Pickets, Add	200.51	
32 31 19 00-0139	EA		9' Wide x 7' High Steel Tube Double Swing Gate.....	2,266.82	58.78
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	497.44	
			For Aluminum With Satin Finish, Add	604.46	
			For Third Rail, Add	157.41	
			For 1" Square x 14 Gauge Pickets, Add	209.89	
32 31 19 00-0140	EA		10' Wide x 7' High Steel Tube Double Swing Gate.....	2,553.53	65.69
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	560.47	
			For Aluminum With Satin Finish, Add	681.60	
			For Third Rail, Add	177.44	
			For 1" Square x 14 Gauge Pickets, Add	236.59	
32 31 19 00-0141	EA		12' Wide x 7' High Steel Tube Double Swing Gate.....	3,089.66	73.28
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	679.48	
			For Aluminum With Satin Finish, Add	832.73	
			For Third Rail, Add	216.03	
			For 1" Square x 14 Gauge Pickets, Add	288.04	
32 31 19 00-0142	EA		14' Wide x 7' High Steel Tube Double Swing Gate.....	3,051.34	82.15
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	668.96	
			For Aluminum With Satin Finish, Add	809.83	
			For Third Rail, Add	211.26	
			For 1" Square x 14 Gauge Pickets, Add	281.67	
32 31 19 00-0143	EA		16' Wide x 7' High Steel Tube Double Swing Gate.....	3,304.88	91.62
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	723.96	
			For Aluminum With Satin Finish, Add	873.65	
			For Third Rail, Add	228.23	
			For 1" Square x 14 Gauge Pickets, Add	304.31	
32 31 19 00-0144	EA		18' Wide x 7' High Steel Tube Double Swing Gate.....	3,608.16	102.46
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	789.88	
			For Aluminum With Satin Finish, Add	950.70	
			For Third Rail, Add	248.65	
			For 1" Square x 14 Gauge Pickets, Add	331.54	
32 31 19 00-0145	EA		20' Wide x 7' High Steel Tube Double Swing Gate.....	3,806.37	114.31
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	831.94	
			For Aluminum With Satin Finish, Add	994.96	
			For Third Rail, Add	260.99	
			For 1" Square x 14 Gauge Pickets, Add	347.98	

32 31 19 00-0146 8' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

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MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 19 00-0147	EA	3' Wide x 8' High Steel Tube Single Swing Gate.....	1,066.96		25.59
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	234.31		
		For Aluminum With Satin Finish, Add	285.54		
		For Third Rail, Add	74.26		
		For 1" Square x 14 Gauge Pickets, Add	99.02		
32 31 19 00-0148	EA	3'-6" Wide x 8' High Steel Tube Single Swing Gate .....	1,118.97		26.95
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	245.69		
		For Aluminum With Satin Finish, Add	299.22		
		For Third Rail, Add	77.84		
		For 1" Square x 14 Gauge Pickets, Add	103.79		
32 31 19 00-0149	EA	4' Wide x 8' High Steel Tube Single Swing Gate.....	1,174.51		28.40
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	257.87		
		For Aluminum With Satin Finish, Add	313.97		
		For Third Rail, Add	81.69		
		For 1" Square x 14 Gauge Pickets, Add	108.92		
32 31 19 00-0150	EA	5' Wide x 8' High Steel Tube Single Swing Gate.....	1,223.24		31.65
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	268.09		
		For Aluminum With Satin Finish, Add	324.16		
		For Third Rail, Add	84.61		
		For 1" Square x 14 Gauge Pickets, Add	112.81		
32 31 19 00-0151	EA	6' Wide x 8' High Steel Tube Single Swing Gate.....	1,447.79		35.83
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	317.69		
		For Aluminum With Satin Finish, Add	385.97		
		For Third Rail, Add	100.52		
		For 1" Square x 14 Gauge Pickets, Add	134.03		
32 31 19 00-0152	EA	7' Wide x 8' High Steel Tube Single Swing Gate.....	1,609.65		43.17
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	352.45		
		For Aluminum With Satin Finish, Add	424.54		
		For Third Rail, Add	111.00		
		For 1" Square x 14 Gauge Pickets, Add	148.00		
32 31 19 00-0153	EA	8' Wide x 8' High Steel Tube Single Swing Gate.....	1,678.71		50.25
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	366.39		
		For Aluminum With Satin Finish, Add	435.67		
		For Third Rail, Add	114.58		
		For 1" Square x 14 Gauge Pickets, Add	152.77		
32 31 19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate.....	1,798.16		57.67
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	391.60		
		For Aluminum With Satin Finish, Add	461.52		
		For Third Rail, Add	121.87		
		For 1" Square x 14 Gauge Pickets, Add	162.50		
32 31 19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate.....	1,901.66		65.09
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	413.22		
		For Aluminum With Satin Finish, Add	482.59		
		For Third Rail, Add	127.97		
		For 1" Square x 14 Gauge Pickets, Add	170.63		
32 31 19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate .....	2,100.39		41.38
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	463.72		
		For Aluminum With Satin Finish, Add	576.91		
		For Third Rail, Add	148.66		
		For 1" Square x 14 Gauge Pickets, Add	198.22		
32 31 19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate .....	2,223.80		49.91
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	489.66		
		For Aluminum With Satin Finish, Add	602.96		
		For Third Rail, Add	156.09		
		For 1" Square x 14 Gauge Pickets, Add	208.12		
32 31 19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate .....	2,344.52		58.10
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	515.06		
		For Aluminum With Satin Finish, Add	628.61		
		For Third Rail, Add	163.38		
		For 1" Square x 14 Gauge Pickets, Add	217.84		
32 31 19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate .....	2,444.95		66.71
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	535.83		
		For Aluminum With Satin Finish, Add	647.76		
		For Third Rail, Add	169.08		
		For 1" Square x 14 Gauge Pickets, Add	225.45		
32 31 19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate .....	2,842.43		75.24
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	623.43		
		For Aluminum With Satin Finish, Add	756.03		
		For Third Rail, Add	197.07		
		For 1" Square x 14 Gauge Pickets, Add	262.76		
32 31 19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate .....	3,546.87		84.71
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	779.89		
		For Aluminum With Satin Finish, Add	955.12		
		For Third Rail, Add	247.86		
		For 1" Square x 14 Gauge Pickets, Add	330.48		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0162	EA		14' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,234.81 707.35 847.56 222.13 296.17	95.55
32 31 19 00-0163	EA		16' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,461.43 755.67 899.50 236.45 315.27	108.09
32 31 19 00-0164	EA		18' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,813.80 832.00 987.48 259.93 346.57	121.82
32 31 19 00-0165	EA		20' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,886.20 844.98 989.35 262.05 349.40	137.26
<b>32 31 19 00-0166</b>			<b>Replace Steel Tube Fence Pickets (32 31 19 00-0032)</b>		
32 31 19 00-0167	LF		Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket..... <i>For 1" Square x 14 Gauge Pickets, Add</i>	24.14 0.71	
<b>32 31 19 00-0168</b>			<b>Removal And Reinstallation Of Ornamental Fences (32 31 19)</b> Note: Including storage and cleaning. Excludes augering and concrete.		
32 31 19 00-0169	LF		Removal And Reinstallation Of Ornamental Fence Up To 5' Height.....	38.39	
32 31 19 00-0170	LF		Removal And Reinstallation Of Ornamental Fence, 6' Height.....	42.23	
32 31 19 00-0171	LF		Removal And Reinstallation Of Ornamental Fence, 7' Height.....	46.07	
32 31 19 00-0172	LF		Removal And Reinstallation Of Ornamental Fence, 8' Height.....	49.91	
32 31 19 00-0173	LF		Removal And Reinstallation Of Ornamental Fence, 9' Height.....	53.75	
32 31 19 00-0174	LF		Removal And Reinstallation Of Ornamental Fence, 10' Height.....	57.58	
32 31 19 00-0175	LF		Removal And Reinstallation Of Ornamental Fence 12' Height.....	63.98	
<b>32 31 23</b>			<b>Plastic Fences and Gates (32 31)</b>		
<b>32 31 23 00-0001</b>			<b>Vinyl Fence (32 31 23)</b>		
<b>32 31 23 00-0002</b>			<b>Privacy Tongue And Groove Vinyl Fence (32 31 23 00-0001)</b> Note: With 1-1/2" x 5-1/2" top and bottom rails, 5" x 5" posts installed 7' centers. Posts include flat cap.		
32 31 23 00-0003	LF		3' High Privacy Tongue And Groove Vinyl Fence .....	42.00	5.24
32 31 23 00-0004	LF		4' High Privacy Tongue And Groove Vinyl Fence .....	47.23	6.30
32 31 23 00-0005	LF		5' High Privacy Tongue And Groove Vinyl Fence .....	52.85	7.34
32 31 23 00-0006	LF		6' High Privacy Tongue And Groove Vinyl Fence .....	58.38	8.39
<b>32 31 23 00-0007</b>			<b>Semi-Privacy 6" Picket Vinyl Fence (32 31 23 00-0001)</b> Note: With 1-1/2" x 5-1/2" top and bottom rails, 2" x 3-1/2" mid rail, 5" x 5" posts installed 6' centers. Posts include flat cap.		
32 31 23 00-0008	LF		5' High Semi-Privacy 6" Picket Vinyl Fence .....	56.40	7.34
32 31 23 00-0009	LF		6' High Semi-Privacy 6" Picket Vinyl Fence .....	61.96	8.39
<b>32 31 23 00-0010</b>			<b>Picket Straight Top Vinyl Fence (32 31 23 00-0001)</b> Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Posts include flat cap.		
32 31 23 00-0011	LF		3' High Picket Straight Top Vinyl Fence .....	38.87	5.24
32 31 23 00-0012	LF		4' High Picket Straight Top Vinyl Fence .....	44.26	6.30
32 31 23 00-0013	LF		5' High Picket Straight Top Vinyl Fence .....	50.78	7.34
32 31 23 00-0014	LF		6' High Picket Straight Top Vinyl Fence .....	56.34	8.39
<b>32 31 23 00-0015</b>			<b>Picket Scalloped Top Vinyl Fence (32 31 23 00-0001)</b> Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Posts include flat cap.		
32 31 23 00-0016	LF		3' High Picket Scalloped Top Vinyl Fence.....	42.90	5.24
32 31 23 00-0017	LF		4' High Picket Scalloped Top Vinyl Fence.....	48.41	6.30
32 31 23 00-0018	LF		5' High Picket Scalloped Top Vinyl Fence.....	54.66	7.34
32 31 23 00-0019	LF		6' High Picket Scalloped Top Vinyl Fence.....	60.35	8.39
<b>32 31 23 00-0020</b>			<b>Post And Rail Vinyl Fence, Ranch Style (32 31 23 00-0001)</b> Note: With 1-1/2" x 5-1/2" rails, 5" x 5" posts installed 8' centers. Posts include flat cap.		
32 31 23 00-0021	LF		5' High, 2 Rail, Post And Rail Vinyl Fence .....	16.86	5.24
32 31 23 00-0022	LF		6-1/2' High, 3 Rail, Post And Rail Vinyl Fence .....	21.48	6.30
32 31 23 00-0023	LF		7' High, 4 Rail, Post And Rail Vinyl Fence .....	24.58	6.82
<b>32 31 23 00-0024</b>			<b>Post, Rails And Pickets (Traditional Style) Vinyl Fence (32 31 23 00-0001)</b> Note: With top and bottom 3" x 3" rails, 5" x 5" posts and 1-1/2" x 1-1/2" pickets. Posts include flat cap.		

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 23 00-0025	LF	3' High Rail And Picket Vinyl Fence, 72" On Center Posts .....		50.10	5.77
32 31 23 00-0026	LF	4' High Rail And Picket Vinyl Fence, 72" On Center Posts .....		54.91	6.82
32 31 23 00-0027	LF	3' High Rail And Picket Vinyl Fence, 96" On Center Posts .....		47.19	5.24
32 31 23 00-0028	LF	4' High Rail And Picket Vinyl Fence, 96" On Center Posts .....		51.54	6.30
<b>32 31 23 00-0029</b>		<b>Vinyl Gates</b> <small>(32 31 23)</small>			
<b>32 31 23 00-0030</b>		<b>Gates For Privacy And Semi-Privacy Fences</b> <small>(32 31 23 00-0029)</small>			
		Note: Includes hinges.			
<b>32 31 23 00-0031</b>		<b>3' High Gates For Privacy And Semi-Privacy Fences</b> <small>(32 31 23 00-0030)</small>			
32 31 23 00-0032	EA	3' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....		462.74	52.43
		For Self-Closing Hinge Set, Add		14.50	
		For Self-Closing Stainless Steel Hinge Set, Add		38.50	
32 31 23 00-0033	EA	3' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....		490.80	55.05
		For Self-Closing Hinge Set, Add		14.50	
		For Self-Closing Stainless Steel Hinge Set, Add		38.50	
32 31 23 00-0034	EA	3' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....		537.54	57.67
		For Self-Closing Hinge Set, Add		14.50	
		For Self-Closing Stainless Steel Hinge Set, Add		38.50	
32 31 23 00-0035	EA	3' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....		600.86	60.30
		For Self-Closing Hinge Set, Add		14.50	
		For Self-Closing Stainless Steel Hinge Set, Add		38.50	
<b>32 31 23 00-0036</b>		<b>4' High Gates For Privacy And Semi-Privacy Fences</b> <small>(32 31 23 00-0030)</small>			
32 31 23 00-0037	EA	4' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....		490.80	55.05
		For Self-Closing Hinge Set, Add		14.50	
		For Self-Closing Stainless Steel Hinge Set, Add		38.50	
32 31 23 00-0038	EA	4' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....		508.50	57.67
		For Self-Closing Hinge Set, Add		14.50	
		For Self-Closing Stainless Steel Hinge Set, Add		38.50	
32 31 23 00-0039	EA	4' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....		563.52	60.30
		For Self-Closing Hinge Set, Add		14.50	
		For Self-Closing Stainless Steel Hinge Set, Add		38.50	
32 31 23 00-0040	EA	4' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....		657.97	62.92
		For Self-Closing Hinge Set, Add		14.50	
		For Self-Closing Stainless Steel Hinge Set, Add		38.50	
<b>32 31 23 00-0041</b>		<b>5' High Gates For Privacy And Semi-Privacy Fences</b> <small>(32 31 23 00-0030)</small>			
32 31 23 00-0042	EA	5' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....		508.50	57.67
		For Self-Closing Hinge Set, Add		14.50	
		For Self-Closing Stainless Steel Hinge Set, Add		38.50	
32 31 23 00-0043	EA	5' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....		530.32	60.30
		For Self-Closing Hinge Set, Add		14.50	
		For Self-Closing Stainless Steel Hinge Set, Add		38.50	
32 31 23 00-0044	EA	5' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....		606.11	62.92
		For Self-Closing Hinge Set, Add		14.50	
		For Self-Closing Stainless Steel Hinge Set, Add		38.50	
32 31 23 00-0045	EA	5' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....		704.71	65.54
		For Self-Closing Hinge Set, Add		14.50	
		For Self-Closing Stainless Steel Hinge Set, Add		38.50	
<b>32 31 23 00-0046</b>		<b>6' High Gates For Privacy And Semi-Privacy Fences</b> <small>(32 31 23 00-0030)</small>			
32 31 23 00-0047	EA	6' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....		535.57	62.92
		For Self-Closing Hinge Set, Add		14.50	
		For Self-Closing Stainless Steel Hinge Set, Add		38.50	
32 31 23 00-0048	EA	6' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....		557.41	65.54
		For Self-Closing Hinge Set, Add		14.50	
		For Self-Closing Stainless Steel Hinge Set, Add		38.50	
32 31 23 00-0049	EA	6' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....		668.46	68.16
		For Self-Closing Hinge Set, Add		14.50	
		For Self-Closing Stainless Steel Hinge Set, Add		38.50	
32 31 23 00-0050	EA	6' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....		735.94	68.16
		For Self-Closing Hinge Set, Add		14.50	
		For Self-Closing Stainless Steel Hinge Set, Add		38.50	
<b>32 31 23 00-0051</b>		<b>Gates For Picket Fences</b> <small>(32 31 23 00-0029)</small>			
		Note: Includes hinges.			
<b>32 31 23 00-0052</b>		<b>3' High Gates For Picket Fences</b> <small>(32 31 23 00-0051)</small>			
32 31 23 00-0053	EA	3' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....		444.07	52.43
		For Self-Closing Hinge Set, Add		14.50	
		For Self-Closing Stainless Steel Hinge Set, Add		38.50	
32 31 23 00-0054	EA	3' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....		461.75	55.05
		For Self-Closing Hinge Set, Add		14.50	
		For Self-Closing Stainless Steel Hinge Set, Add		38.50	
32 31 23 00-0055	EA	3' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....		516.80	57.67
		For Self-Closing Hinge Set, Add		14.50	
		For Self-Closing Stainless Steel Hinge Set, Add		38.50	
32 31 23 00-0056	EA	3' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....		611.23	60.30
		For Self-Closing Hinge Set, Add		14.50	
		For Self-Closing Stainless Steel Hinge Set, Add		38.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>32 31 23 00-0057 4' High Gates For Picket Fences (32 31 23 00-0051)</b>					
32 31 23 00-0058	EA		4' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	449.31	55.05
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0059	EA		4' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	467.00	57.67
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0060	EA		4' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	522.03	60.30
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0061	EA		4' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	616.48	62.92
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0062 5' High Gates For Picket Fences (32 31 23 00-0051)</b>					
32 31 23 00-0063	EA		5' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	467.00	57.67
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0064	EA		5' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	488.83	60.30
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0065	EA		5' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	564.62	62.92
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0066	EA		5' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	663.21	65.54
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0067 6' High Gates For Picket Fences (32 31 23 00-0051)</b>					
32 31 23 00-0068	EA		6' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	494.08	62.92
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0069	EA		6' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	515.92	65.54
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0070	EA		6' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	626.97	68.16
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0071	EA		6' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	694.45	70.79
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0072 Gates Accessories (32 31 23 00-0029)</b>					
32 31 23 00-0073	EA		Gate Stop/Drop Rod .....	100.89	
32 31 23 00-0074	EA		Latch Set.....	70.80	
32 31 23 00-0075	EA		Stainless Steel Latch Set .....	100.89	
<b>32 31 26 Wire Fences and Gates (32 31)</b>					
<b>32 31 26 13 Wire Fences with Steel Posts (32 31 26)</b>					
<b>32 31 26 13-0001 Chicken Wire (32 31 26 13)</b>					
Note: Posts at 4'.					
32 31 26 13-0002	LF		4' High, 1" Mesh, Chicken Wire Fence, Metal Posts At 4'.....	7.17	1.52
32 31 26 13-0003	LF		6' High, 2" Mesh, Chicken Wire Fence, Metal Posts At 4' .....	7.82	1.52
<b>32 31 26 13-0004 Wire And Screen (32 31 26 13)</b>					
<b>32 31 26 13-0005 Wire And Screen For Partitions And Fences (32 31 26 13-0004)</b>					
Note: Excludes framing and post.					
<b>32 31 26 13-0006 Screen Wire (32 31 26 13-0005)</b>					
32 31 26 13-0007	LF		Screen Wire, 48" Wide Rolls .....	11.54	1.06
<b>32 31 26 13-0008 Hog Wire (32 31 26 13-0005)</b>					
32 31 26 13-0009	SF		4" x 4" Hog Wire For Fencing.....	2.09	0.84
32 31 26 13-0010	SF		6" x 6" Hog Wire For Fencing.....	2.19	0.95
<b>32 31 26 13-0011 Non-Climb Horse Fence (32 31 26 13-0005)</b>					
32 31 26 13-0012	LF		4' Non-Climb Woven, 12.5 Gauge, Horse Fence .....	9.35	3.38
32 31 26 13-0013	LF		5' Non-Climb Woven, 12.5 Gauge, Horse Fence .....	11.95	4.23
32 31 26 13-0014	LF		6' Non-Climb Woven, 12.5 Gauge, Horse Fence .....	14.90	5.07
<b>32 31 26 13-0015 Screen For Partitions And Ceilings (32 31 26 13-0004)</b>					
Note: Can be used to support insulation on walls and ceilings.					
32 31 26 13-0016	SF		1" Mesh Chicken Wire.....	1.83	
<b>32 31 26 13-0017 Wicket Fence (32 31 26 13)</b>					

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 26	13-0018	LF Steel Wicket Fence, Painted .....	54.75	4.61
<b>32 31 29 Wood Fences and Gates</b> <small>(32 31)</small>				
See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.				
<b>32 31 29 00-0001 Basket Weave</b> <small>(32 31 29)</small>				
Note: 3/8" x 4" boards, 4" x 4" post				
32 31 29 00-0002	LF	6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post .....	40.61	3.08
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.35	
32 31 29 00-0003	LF	6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post .....	26.10	3.08
		<i>For Fastening With Screws Instead Of Nails, Add</i>	1.65	
<b>32 31 29 00-0004 Board Fence</b> <small>(32 31 29)</small>				
Note: 1x4" board, 2x4" rail, 4x4" post.				
32 31 29 00-0005	LF	Two 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated Board Fence .....	26.10	3.08
		<i>For 1" x 6" Boards, Deduct</i>	-2.61	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.20	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	1.66	
32 31 29 00-0006	LF	Two 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated Board Fence .....	29.16	3.08
		<i>For 1" x 6" Boards, Deduct</i>	-2.85	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.47	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	1.84	
32 31 29 00-0007	LF	Three 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated Board Fence .....	32.82	3.08
		<i>For 1" x 6" Boards, Deduct</i>	-3.06	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.68	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.04	
32 31 29 00-0008	LF	Three 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated Board Fence .....	35.15	3.08
		<i>For 1" x 6" Boards, Deduct</i>	-3.22	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.86	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.17	
32 31 29 00-0009	LF	Three 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated Board Fence .....	37.67	3.08
		<i>For 1" x 6" Boards, Deduct</i>	-3.39	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.04	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.31	
32 31 29 00-0010	LF	Two 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar Board Fence .....	28.11	3.08
		<i>For 1" x 6" Boards, Deduct</i>	-2.69	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.26	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	1.76	
32 31 29 00-0011	LF	Two 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar Board Fence .....	30.71	3.08
		<i>For 1" x 6" Boards, Deduct</i>	-2.91	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.52	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	1.92	
32 31 29 00-0012	LF	Three 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar Board Fence .....	32.82	3.08
		<i>For 1" x 6" Boards, Deduct</i>	-3.06	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.68	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.04	
32 31 29 00-0013	LF	Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence .....	35.15	3.08
		<i>For 1" x 6" Boards, Deduct</i>	-3.22	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.86	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.17	
32 31 29 00-0014	LF	Three 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar Board Fence .....	37.67	3.08
		<i>For 1" x 6" Boards, Deduct</i>	-3.39	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.04	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.31	
32 31 29 00-0015	LF	Two 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar Board Fence .....	28.12	3.08
		<i>For 1" x 6" Boards, Deduct</i>	-2.69	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.26	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	1.76	
32 31 29 00-0016	LF	Two 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar Board Fence .....	37.56	3.08
		<i>For 1" x 6" Boards, Deduct</i>	-3.18	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.72	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.26	
32 31 29 00-0017	LF	Three 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar Board Fence .....	39.39	3.08
		<i>For 1" x 6" Boards, Deduct</i>	-3.32	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.88	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.37	
32 31 29 00-0018	LF	Three 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar Board Fence .....	42.50	3.08
		<i>For 1" x 6" Boards, Deduct</i>	-3.51	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.08	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.54	
32 31 29 00-0019	LF	Three 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar Board Fence .....	45.86	3.08
		<i>For 1" x 6" Boards, Deduct</i>	-3.72	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.29	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.72	
<b>32 31 29 00-0020 Shadow Box</b> <small>(32 31 29)</small>				
Note: 1x6" board, 2x4" Rail, 4x4" post.				
32 31 29 00-0021	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine .....	54.80	3.08
		<i>For Fastening With Screws Instead Of Nails, Add</i>	3.06	
32 31 29 00-0022	LF	Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar .....	68.94	3.08
		<i>For Fastening With Screws Instead Of Nails, Add</i>	3.83	
32 31 29 00-0023	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar .....	75.18	3.08
		<i>For Fastening With Screws Instead Of Nails, Add</i>	4.16	
32 31 29 00-0024	LF	Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar .....	80.79	3.08
		<i>For Fastening With Screws Instead Of Nails, Add</i>	4.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0025			Open Rail Fence (32 31 29)		
32 31 29 00-0026			Post And Rail Fence, Ranch Style (32 31 29 00-0025)		
32 31 29 00-0027	LF		Post And Rail Fence, 2 Rails, 3' High #1 Cedar.....	26.01	3.08
32 31 29 00-0028	LF		Post And Rail Fence, 2 Rails, 3' High #2 Cedar.....	19.83	3.08
32 31 29 00-0029	LF		Post And Rail Fence, 3 Rails, 4' High #1 Cedar.....	31.09	3.08
32 31 29 00-0030	LF		Post And Rail Fence, 3 Rails, 4' High #2 Cedar.....	21.45	3.08
32 31 29 00-0031			Split Rail Fence (32 31 29 00-0025)		
32 31 29 00-0032	LF		Split Rail Fence, 2 Rails, 3' High #1 Cedar.....	24.42	3.08
32 31 29 00-0033	LF		Split Rail Fence, 2 Rails, 3' High #2 Cedar.....	19.76	3.08
32 31 29 00-0034	LF		Split Rail Fence, 3 Rail, 4' High #1 Cedar.....	28.05	3.08
32 31 29 00-0035	LF		Split Rail Fence, 3 Rail, 4' High #2 Cedar.....	22.35	3.08
32 31 29 00-0036			Picket Fence (32 31 29)		
32 31 29 00-0037	LF		Picket Fence, 2 Rail, 3' High, Pressure Treated..... <i>For Fastening With Screws Instead Of Nails, Add</i>	29.04 1.82	3.08
32 31 29 00-0038	LF		Picket Fence, 2 Rail, 3' High #1 Cedar..... <i>For Fastening With Screws Instead Of Nails, Add</i>	27.01 1.72	3.08
32 31 29 00-0039			Wood Fence Post Accessories (32 31 29)		
32 31 29 00-0040	EA		3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	34.96	
32 31 29 00-0041	EA		4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	38.86	
32 31 29 00-0042	EA		6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	42.42	
32 31 29 00-0043	EA		8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	61.57	
32 31 29 00-0044			Wood Gate (32 31 29)		
32 31 29 00-0045			Board Fence Gates, Pressure Treated Wood (32 31 29 00-0044) Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0046	EA		3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	418.34	122.24
32 31 29 00-0047	EA		3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	464.30	129.58
32 31 29 00-0048	EA		3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	520.04	141.80
32 31 29 00-0049	EA		3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	593.81	149.13
32 31 29 00-0050	EA		3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	667.59	156.47
32 31 29 00-0051	EA		>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	531.35	161.35
32 31 29 00-0052	EA		>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	580.78	168.69
32 31 29 00-0053	EA		>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	630.22	176.02
32 31 29 00-0054	EA		>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	714.43	183.36
32 31 29 00-0055	EA		>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	781.26	190.69
32 31 29 00-0056			Board Fence Gates, Grade 2 Cedar (32 31 29 00-0044) Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0057	EA		3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	662.22	96.41
32 31 29 00-0058	EA		3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	684.22	102.19
32 31 29 00-0059	EA		3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	717.41	111.83
32 31 29 00-0060	EA		3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	756.79	117.61
32 31 29 00-0061	EA		3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	806.61	123.40
32 31 29 00-0062	EA		>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	776.07	127.26
32 31 29 00-0063	EA		>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	805.03	133.04
32 31 29 00-0064	EA		>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	851.37	138.82
32 31 29 00-0065	EA		>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	897.71	144.60
32 31 29 00-0066	EA		>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	944.04	150.39
32 31 29 00-0067			Board Fence Gates, Grade 1 Cedar (32 31 29 00-0044) Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0068	EA		3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	714.37	96.41
32 31 29 00-0069	EA		3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	743.33	102.19
32 31 29 00-0070	EA		3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	780.00	111.83
32 31 29 00-0071	EA		3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	826.34	117.61
32 31 29 00-0072	EA		3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	872.68	123.40
32 31 29 00-0073	EA		>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	845.62	127.26
32 31 29 00-0074	EA		>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	874.57	133.04
32 31 29 00-0075	EA		>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	920.91	138.82
32 31 29 00-0076	EA		>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	967.25	144.60
32 31 29 00-0077	EA		>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	1,030.97	150.39
32 31 29 00-0078			Pressure Treated Wood Fence Posts (32 31 29) See CSI section 32 31 13 13-0001 for drilling augering, 32 31 56 00-0017 for barbed wire.		
32 31 29 00-0079	EA		4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill.....	39.64	12.22
32 31 29 00-0080	EA		6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill.....	45.14	12.22
32 31 29 00-0081	EA		4' High, Pressure Treated Wood Fence Posts, Set In Concrete.....	69.19	23.47
32 31 29 00-0082	EA		6' High, Pressure Treated Wood Fence Posts, Set In Concrete.....	75.45	23.47

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
32 31 29 00-0083		<b>Wood Utility Pole Fence</b> <small>(32 31 29)</small>			
		Note: Excludes post holes. See CSI section 32 31 13 13-0001 for drilling augering and backfill.			
32 31 29 00-0084	LF	Wood Utility Pole Barrier Fence.....	47.66		3.08
		Note: Includes notching post, drilling and pinned with #5 rebar.			
32 31 29 00-0085		<b>Wood Rail Fence</b> <small>(32 31 29)</small>			
		Note: 3" diameter treated lodgepole pine rails, 6" diameter treated lodgepole pine post. Posts at 8' centers. Excludes post holes and fill			
32 31 29 00-0086	LF	4' Above Ground Wood Rail Fence, 3 - 3" Diameter Treated Lodgepole Pine Rails, 6" Diameter, 6' Overall Treated Lodgepole Pine Post.....	22.30		3.08
<b>32 31 41</b>		<b>Precast Concrete Fences</b> <small>(32 31)</small>			
32 31 41 00-0001		<b>Precast Post And Rail Fence, Ranch Style, With Integral Color Concrete.</b> <small>(32 31 41)</small>			
		Note: Includes post holes, fill, spreading of excess material on site. See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.			
32 31 41 00-0002	LF	Precast Post And Rail Fence With Integral Color Concrete, 2 Rails, 3' Above Ground With 2' Bury.....	54.65		3.08
		Note: Includes 12" diameter holes with concrete fill for line posts and 18" diameter holes with concrete fill at corners.			
<b>32 31 56</b>		<b>Wild Life Deterrent Fence</b> <small>(32 31)</small>			
32 31 56 00-0001		<b>Barbed Wire Fences</b> <small>(32 31 56)</small>			
		Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.			
32 31 56 00-0002		<b>Fence Posts</b> <small>(32 31 56 00-0001)</small>			
32 31 56 00-0003		<b>Fence Post Soil, Set In Concrete</b> <small>(32 31 56 00-0002)</small>			
32 31 56 00-0004	EA	Barbed Wire Fence Post, Galvanized Set In Concrete In Soil.....	84.82		6.82
		For Bracing On Corner Post, End Post And Pull Post, Add	136.81		
32 31 56 00-0005	EA	Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil.....	114.15		6.82
		For Bracing On Corner Post, End Post And Pull Post, Add	185.80		
32 31 56 00-0006		<b>Post In Rock</b> <small>(32 31 56 00-0002)</small>			
32 31 56 00-0007	EA	Barbed Wire Fence Post, Galvanized Grouted In Rock.....	83.32		6.82
		For Bracing On Corner Post, End Post And Pull Post, Add	134.56		
32 31 56 00-0008	EA	Barbed Wire Fence Post, Vinyl Coated Grouted In Rock.....	112.65		6.82
		For Bracing On Corner Post, End Post And Pull Post, Add	183.55		
32 31 56 00-0009		<b>Studded Steel T-Posts, Enamel Paint Finish</b> <small>(32 31 56 00-0001)</small>			
		Note: Posts for barb wire, chain link or welded wire mesh.			
32 31 56 00-0010	EA	5' Studded Steel T-Post, Driven Into Earth.....	21.32		
32 31 56 00-0011	EA	5'-6" Studded Steel T-Post, Driven Into Earth.....	21.84		
32 31 56 00-0012	EA	6' Studded Steel T-Post, Driven Into Earth.....	22.77		
32 31 56 00-0013	EA	6'-6" Studded Steel T-Post, Driven Into Earth.....	23.71		
32 31 56 00-0014	EA	7' Studded Steel T-Post, Driven Into Earth.....	24.92		
32 31 56 00-0015	EA	8' Studded Steel T-Post, Driven Into Earth.....	27.96		
32 31 56 00-0016	EA	10' Studded Steel T-Post, Driven Into Earth.....	33.66		
32 31 56 00-0017		<b>Barbed Wire</b> <small>(32 31 56 00-0001)</small>			
		Note: Per strand.			
32 31 56 00-0018	LF	Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand.....	0.75		0.34
32 31 56 00-0019	LF	Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand.....	0.87		0.34
32 31 56 00-0020		<b>Barbed Wire Fence, Farm Style, With Wood Posts</b> <small>(32 31 56 00-0001)</small>			
		Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.			
32 31 56 00-0021	LF	4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts.....	9.19		2.22
		Note: Posts at 10' maximum.			
<b>32 32</b>		<b>Retaining Walls</b> <small>(32 30)</small>			
<b>32 32 13</b>		<b>Cast-In-Place Concrete Retaining Wall</b> <small>(32 32)</small>			
		Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.			
32 32 13 00-0001	LF	4' High With Base, 10" Thick Reinforced.....	321.25		121.86
		For >3:1 Sloped Soil At Top, Add	6.60		
32 32 13 00-0002	LF	6' High With Base, 10" Thick Reinforced.....	400.20		149.95
		For >3:1 Sloped Soil At Top, Add	8.52		
32 32 13 00-0003	LF	8' High With Base, 10" Thick Reinforced.....	435.49		161.74
		For >3:1 Sloped Soil At Top, Add	9.52		
32 32 13 00-0004	LF	10' High With Base, 13" Thick Reinforced.....	553.09		199.99
		For >3:1 Sloped Soil At Top, Add	13.02		
32 32 13 00-0005	LF	12' High With Base, 14" Thick Reinforced.....	637.24		229.72
		For >3:1 Sloped Soil At Top, Add	15.11		
32 32 13 00-0006	LF	16' High With Base, 16" Thick Reinforced.....	923.12		337.00
		For >3:1 Sloped Soil At Top, Add	21.18		
32 32 13 00-0007	LF	20' High With Base, 18" Thick Reinforced.....	1,267.98		465.25
		For >3:1 Sloped Soil At Top, Add	28.68		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 13 00-0008	LF		4' High With Base, 12" Thick Reinforced..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	352.81 7.37	133.08
32 32 13 00-0009	LF		6' High With Base, 12" Thick Reinforced..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	431.15 9.40	160.35
32 32 13 00-0010	LF		8' High With Base, 12" Thick Reinforced..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	455.87 10.31	167.31
32 32 13 00-0011	LF		10' High With Base, 16" Thick Reinforced..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	625.51 15.04	224.23
32 32 13 00-0012	LF		12' High With Base, 18" Thick Reinforced..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	794.14 18.54	288.02
32 32 13 00-0013	LF		16' High With Base, 21" Thick Reinforced..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,192.05 27.11	436.59
32 32 13 00-0014	LF		20' High With Base, 24" Thick Reinforced..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,682.40 38.24	616.26
<b>32 32 16 Precast Concrete Retaining Walls (32 32)</b>					
<b>32 32 16 00-0001 Precast Retaining Walls (32 32 16)</b>					
Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.					
32 32 16 00-0002	SF		Precast Concrete Retaining Walls, 10-15' High Tied-back Earth Walls .....	85.20	11.97
32 32 16 00-0003	SF		Precast Concrete Retaining Walls, 16-20' High Tied-back Earth Walls .....	87.63	9.62
32 32 16 00-0004	SF		Precast Concrete Retaining Walls, 21-25' High Tied-back Earth Walls .....	90.99	8.01
32 32 16 00-0005	SF		Precast Concrete Retaining Walls, 26-30' High Tied-back Earth Walls .....	98.43	8.01
32 32 16 00-0006	SF		Precast Concrete Retaining Walls, >30' High Tied-back Earth Walls .....	104.20	6.84
<b>32 32 23 Segmental Retaining Walls (32 32)</b>					
<b>32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls (32 32 23)</b>					
<b>32 32 23 13-0001 Modular Retaining Wall Systems (32 32 23 13)</b>					
Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.					
<b>32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>					
32 32 23 13-0003	SF		Up To 4' Height "Amastone" Type Modular Retaining Wall System..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	33.40 1.41	8.39
32 32 23 13-0004	SF		4 To 8' Height "Amastone" Type Modular Retaining Wall System .....	35.21 1.49	8.83
32 32 23 13-0005	SF		8 To 12' Height "Amastone" Type Modular Retaining Wall System .....	37.37 1.52	9.71
32 32 23 13-0006	SF		12 To 16' Height "Amastone" Type Modular Retaining Wall System .....	39.60 1.56	10.60
<b>32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>					
32 32 23 13-0008	SF		Up To 4' Height "Diamond" Type Modular Retaining Wall System..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	34.27 1.49	8.39
32 32 23 13-0009	SF		4 To 8' Height "Diamond" Type Modular Retaining Wall System .....	36.08 1.57	8.83
32 32 23 13-0010	SF		8 To 12' Height "Diamond" Type Modular Retaining Wall System .....	38.24 1.60	9.71
32 32 23 13-0011	SF		12 To 16' Height "Diamond" Type Modular Retaining Wall System .....	40.47 1.64	10.60
<b>32 32 23 13-0012 "Keystone" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>					
32 32 23 13-0013	SF		Up To 4' Height "Keystone" Type Modular Retaining Wall System..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	36.34 1.66	8.39
32 32 23 13-0014	SF		4 To 8' Height "Keystone" Type Modular Retaining Wall System..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	38.15 1.74	8.83
32 32 23 13-0015	SF		8 To 12' Height "Keystone" Type Modular Retaining Wall System..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	40.32 1.78	9.71
32 32 23 13-0016	SF		12 To 16' Height "Keystone" Type Modular Retaining Wall System..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	42.55 1.81	10.60
<b>32 32 23 13-0017 "Criblock" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>					
32 32 23 13-0018	SF		Up To 4' Height "Criblock" Type Modular Retaining Wall System..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Gravel Backfill Instead Of Earth, Add</i>	33.40 1.41 0.25	8.39
32 32 23 13-0019	SF		4 To 8' Height "Criblock" Type Modular Retaining Wall System..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Gravel Backfill Instead Of Earth, Add</i>	35.21 1.49 0.25	8.83
32 32 23 13-0020	SF		8 To 12' Height "Criblock" Type Modular Retaining Wall System..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Gravel Backfill Instead Of Earth, Add</i>	37.37 1.52 0.25	9.71
32 32 23 13-0021	SF		12 To 16' Height "Criblock" Type Modular Retaining Wall System..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Gravel Backfill Instead Of Earth, Add</i>	39.60 1.56 0.25	10.60
<b>32 32 23 13-0022 "Versa-Lok" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>					
32 32 23 13-0023	SF		Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	30.76 1.19	8.39

**32 Exterior Improvements****32 30 Site Improvements****32 32 Retaining Walls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 23 13-0024	SF		4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	33.44 1.34	8.83
32 32 23 13-0025	SF		8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	35.62 1.38	9.71
32 32 23 13-0026	SF		12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	37.69 1.40	10.60
<b>32 32 23 13-0027</b>			<b>Retaining Wall Cap Block Restoration</b> <small>(32 32 23 13-0001)</small> Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028	LF		Removal And Reinstall Retaining Wall Cap Block And Pins ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	27.09 1.30	
<b>32 32 26</b>			<b>Metal Crib Retaining Walls</b> <small>(32 32)</small>		
32 32 26 00-0001			Bin Type Retaining Wall <small>(32 32 26)</small>		
32 32 26 00-0002			Vertical Bin Walls <small>(32 32 26 00-0001)</small> Note: Excludes excavation and backfill.		
32 32 26 00-0003	SF		5.5' Vertical Bin Retaining Wall, Wall Heights To 11' .....	55.92	
32 32 26 00-0004	SF		7.7' Vertical Bin Retaining Wall, Wall Heights, 8.33' To 16.33' .....	65.57	
32 32 26 00-0005	SF		9.9' Vertical Bin Retaining Wall, Wall Heights, 13.67' To 21.67' .....	76.32	
32 32 26 00-0006	SF		12.1' Vertical Bin Retain Wall, Wall Heights 17.67' To 25.67' .....	82.11	
32 32 26 00-0007	SF		14.3' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33' .....	91.93	
32 32 26 00-0008	SF		16.5' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33' .....	97.72	
<b>32 32 26 00-0009</b>			<b>Battered Bin Walls</b> <small>(32 32 26 00-0001)</small> Note: Excludes excavation and backfill.		
32 32 26 00-0010	SF		5.5' Battered Bin Retain Wall, Wall Heights To 11' .....	50.57	
32 32 26 00-0011	SF		7.7' Battered Bin Retain Wall, Wall Heights 8.33' To 16.33' .....	54.43	
32 32 26 00-0012	SF		9.9' Battered Bin Retain Wall, Wall Heights 13.67' To 21.67' .....	61.23	
32 32 26 00-0013	SF		12.1' Battered Bin Retain Wall, Wall Heights 17.67' To 25.67' .....	67.99	
32 32 26 00-0014	SF		14.3' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33' .....	79.65	
32 32 26 00-0015	SF		16.5' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33' .....	81.57	
<b>32 32 26 00-0016</b>			<b>Aluminized Steel Bin</b> <small>(32 32 26)</small> Note: Excludes excavation and backfill.		
32 32 26 00-0017	SF		4' High, 5.5' Deep Aluminized Steel Bin ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	31.66 1.95 -2.30	4.35
32 32 26 00-0018	SF		8' High, 5.5' Deep Aluminized Steel Bin ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	35.23 2.25 -2.65	4.35
32 32 26 00-0019	SF		10' High, 7.7' Deep Aluminized Steel Bin ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	37.66 2.40 -2.82	4.75
32 32 26 00-0020	SF		12' High, 7.7' Deep Aluminized Steel Bin ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	42.88 2.73 -3.22	5.36
32 32 26 00-0021	SF		16' High, 7.7' Deep Aluminized Steel Bin ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	41.45 2.59 -3.04	5.56
32 32 26 00-0022	SF		16' High, 9.9' Deep Aluminized Steel Bin ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	45.96 2.95 -3.47	5.66
32 32 26 00-0023	SF		20' High, 9.9' Deep Aluminized Steel Bin ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	50.87 3.30 -3.89	5.97
32 32 26 00-0024	SF		20' High, 12.1' Deep Aluminized Steel Bin ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	52.12 3.37 -3.97	6.27
32 32 26 00-0025	SF		24' High, 12.1' Deep Aluminized Steel Bin ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	54.72 3.58 -4.22	6.27
32 32 26 00-0026	SF		24' High, 14.3' Deep Aluminized Steel Bin ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	57.29 3.80 -4.47	6.37
32 32 26 00-0027	SF		28' High, 14.3' Deep Aluminized Steel Bin ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	59.16 3.94 -4.63	6.47
<b>32 32 29</b>			<b>Timber Retaining Walls</b> <small>(32 32)</small>		
<b>32 32 29 00-0001</b>			<b>Wood Post Retaining Walls</b> <small>(32 32 29)</small> Note: System elements include wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0002	LF		4" x 4", 1' High, Redwood, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	111.75 5.00	26.53
32 32 29 00-0003	LF		4" x 4", 2' High, Redwood, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	218.47 9.75	51.95
32 32 29 00-0004	LF		4" x 4", 1' High, Cedar, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	104.25 4.36	26.53
32 32 29 00-0005	LF		4" x 4", 2' High, Cedar, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	203.87 8.50	51.95



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0006	LF		4" x 4", 1' High, Pressure Treated Lumber, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	88.70 3.59	23.18
32 32 29 00-0007	LF		4" x 4", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	173.73 7.06	45.33
32 32 29 00-0008	LF		4" x 4", 1' High, Creosoted Lumber, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	90.78 4.22	20.57
32 32 29 00-0009	LF		4" x 4", 2' High, Creosoted Lumber, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	164.09 7.62	37.24
32 32 29 00-0010	LF		6" x 6", 2' High, Redwood, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	317.61 16.30	62.93
32 32 29 00-0011	LF		6" x 6", 4' High, Redwood, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	630.12 32.60	123.34
32 32 29 00-0012	LF		6" x 6", 2' High, Cedar, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	309.27 15.59	62.93
32 32 29 00-0013	LF		6" x 6", 4' High, Cedar, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	609.28 30.83	123.34
32 32 29 00-0014	LF		6" x 6", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	236.93 11.45	51.11
32 32 29 00-0015	LF		6" x 6", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	471.25 22.90	100.91
32 32 29 00-0016	LF		6" x 6", 2' High, Creosoted Lumber, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	225.64 12.23	40.86
32 32 29 00-0017	LF		6" x 6", 4' High, Creosoted Lumber, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	445.48 24.27	79.96
32 32 29 00-0018	LF		8" x 8", 4' High, Redwood, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	843.94 48.55	136.38
32 32 29 00-0019	LF		8" x 8", 6' High, Redwood, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,580.54 91.07	254.60
32 32 29 00-0020	LF		8" x 8", 4' High, Cedar, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	802.25 45.00	136.38
32 32 29 00-0021	LF		8" x 8", 6' High, Cedar, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,501.33 84.34	254.60
32 32 29 00-0022	LF		8" x 8", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	634.14 27.16	157.32
32 32 29 00-0023	LF		8" x 8", 6' High, Pressure Treated Lumber, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,182.70 50.58	293.79
32 32 29 00-0024	LF		8" x 8", 4' High, Creosoted Lumber, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	598.24 29.23	127.16
32 32 29 00-0025	LF		8" x 8", 6' High, Creosoted Lumber, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,109.53 54.22	235.89
32 32 29 00-0026	LF		4' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	209.11 8.86	52.41
32 32 29 00-0027	LF		6' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	311.59 13.11	78.66
32 32 29 00-0028	LF		8' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	413.97 17.36	104.82
32 32 29 00-0029	LF		4' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	161.41 8.68	29.60
32 32 29 00-0030	LF		6' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	235.56 12.76	42.73
32 32 29 00-0031	LF		8' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	319.65 17.36	57.71
<b>32 32 29 00-0032</b>			<b>Post And Board Retaining Walls</b> <small>(32 32 29)</small>		
<p>Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.</p>					
32 32 29 00-0033	LF		4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Redwood, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	107.13 6.43	15.73
32 32 29 00-0034	LF		4" x 4" Post, 2' Spacing, 4' High, 2" Planking, Redwood, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	155.90 8.68	26.90
32 32 29 00-0035	LF		6" x 6" Post, 4' Spacing, 5' High 2" Planking, Redwood, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	210.70 12.23	33.42
32 32 29 00-0036	LF		6" x 6" Post, 3' Spacing, 6' High, 2" Planking, Redwood, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	292.69 16.83	47.38
32 32 29 00-0037	LF		6" x 6" With Deadman, 3' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	383.79 22.15	61.62
32 32 29 00-0038	LF		8" x 8" Post, 2' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	802.51 47.48	121.94
32 32 29 00-0039	LF		8" x 8" With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood, Post And Board Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	916.26 54.93	135.07
32 32 29 00-0040	LF		4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Cedar, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	107.40 6.34	16.38
32 32 29 00-0041	LF		4" x 4" With Deadman, 2' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	187.46 10.99	29.14
32 32 29 00-0042	LF		6" x 6" Post, 4' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	184.31 10.81	28.58
32 32 29 00-0043	LF		6" x 6" Post, 3' Spacing, 5' High 2" Planking, Cedar, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	255.10 14.71	41.05
32 32 29 00-0044	LF		6" x 6" Post, 2' Spacing, 6' High 2" Planking, Cedar, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	391.68 22.15	65.53
32 32 29 00-0045	LF		6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	315.39 18.25	50.36
32 32 29 00-0046	LF		8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	831.15 49.26	125.85
32 32 29 00-0047	LF		4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	103.30 3.63	30.25

**32 Exterior Improvements****32 30 Site Improvements****32 32 Retaining Walls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0048	LF		4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated .....	152.10	43.01
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.62	
32 32 29 00-0049	LF		4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat .....	232.64	59.01
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	9.75	
32 32 29 00-0050	LF		6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated .....	422.29	99.60
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	18.96	
32 32 29 00-0051	LF		6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated .....	432.71	99.60
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	19.84	
32 32 29 00-0052	LF		6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat .....	399.88	95.69
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	17.72	
32 32 29 00-0053	LF		8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated .....	957.18	220.16
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	43.94	
32 32 29 00-0054	LF		4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking .....	103.30	30.25
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.63	
32 32 29 00-0055	LF		4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking .....	152.10	43.01
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.62	
32 32 29 00-0056	LF		4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking .....	232.64	59.01
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	9.75	
32 32 29 00-0057	LF		6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking .....	294.82	73.44
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	12.58	
32 32 29 00-0058	LF		6" x 6" Post, 2' Spacing, 7' High, 2" Planking, Creosoted, Post And Board Retaining Walls .....	422.29	99.60
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	18.96	
32 32 29 00-0059	LF		6" x 6" Post With Deadman, 3' Spacing, 8' High, 2" Planking, Creosoted, Post And Board Retaining Walls .....	399.88	95.69
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	17.72	
32 32 29 00-0060	LF		8" x 8" Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking, Post And Board Retaining Walls .....	957.18	220.16
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	43.94	
<b>32 32 29 00-0061</b>			<b>Wood Tie Retaining Walls, Rod Connector At 4' <small>(32 32 29)</small></b>		
			Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.		
<b>32 32 29 00-0062</b>			<b>Redwood <small>(32 32 29 00-0061)</small></b>		
32 32 29 00-0063	LF		2' High, 6" x 6" Wood Tie Wall .....	164.55	32.21
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	8.50	
32 32 29 00-0064	LF		4' High, 6" x 6" Wood Tie Wall Deadman At 6' .....	376.11	73.44
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	19.49	
32 32 29 00-0065	LF		6' High, 6" x 6" Wood Tie Wall Deadman At 6' .....	562.14	110.12
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	29.06	
32 32 29 00-0066	LF		4' High, 8" x 8" Wood Tie Wall Deadman At 6' .....	584.81	94.39
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	33.66	
32 32 29 00-0067	LF		6' High, 8" x 8" Wood Tie Wall Deadman At 6' .....	879.41	141.58
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	50.67	
32 32 29 00-0068	LF		8' High, 8" x 8" Wood Tie Wall Deadman At 6' .....	1,164.40	186.17
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	67.33	
<b>32 32 29 00-0069</b>			<b>Cedar <small>(32 32 29 00-0061)</small></b>		
32 32 29 00-0070	LF		2' High, 6" x 6" Wood Tie Wall .....	160.39	32.21
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	8.15	
32 32 29 00-0071	LF		4' High, 6" x 6" Wood Tie Wall Deadman At 6' .....	363.60	73.44
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	18.43	
32 32 29 00-0072	LF		6' High, 6" x 6" Wood Tie Wall Deadman At 6' .....	545.47	110.12
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	27.64	
32 32 29 00-0073	LF		4' High, 8" x 8" Wood Tie Wall Deadman At 6' .....	555.62	94.39
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	31.18	
32 32 29 00-0074	LF		6' High, 8" x 8" Wood Tie Wall Deadman At 6' .....	837.72	141.58
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	47.13	
32 32 29 00-0075	LF		8' High, 8" x 8" Wood Tie Wall Deadman At 6' .....	1,106.04	186.17
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	62.37	
<b>32 32 29 00-0076</b>			<b>Creosoted Wood <small>(32 32 29 00-0061)</small></b>		
32 32 29 00-0077	LF		2' High, 6" x 8" Wood Tie Wall .....	156.56	42.73
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.04	
32 32 29 00-0078	LF		4' High, 6" x 8" Wood Tie Wall Deadman At 6' .....	357.18	98.30
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	13.64	
32 32 29 00-0079	LF		6' High, 6" x 8" Wood Tie Wall Deadman At 6' .....	530.72	145.50
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	20.38	
32 32 29 00-0080	LF		4' High, 7" x 9" Wood Tie Wall Deadman At 6' .....	716.89	197.91
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	27.29	
32 32 29 00-0081	LF		6' High, 7" x 9" Wood Tie Wall Deadman At 6' .....	1,043.49	288.29
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	39.69	
32 32 29 00-0082	LF		8' High, 7" x 9" Wood Tie Wall Deadman At 6' .....	1,385.65	382.22
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	52.80	
<b>32 32 29 00-0083</b>			<b>Pressure Treated Wood <small>(32 32 29 00-0061)</small></b>		
32 32 29 00-0084	LF		2' High, 6" x 6" Wood Tie Wall .....	147.25	26.63
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	7.99	
32 32 29 00-0085	LF		4' High, 6" x 6" Wood Tie Wall Deadman At 6' .....	335.32	60.32
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	18.25	
32 32 29 00-0086	LF		6' High, 6" x 6" Wood Tie Wall Deadman At 6' .....	501.92	90.48
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	27.29	
32 32 29 00-0087	LF		4' High, 8" x 8" Wood Tie Wall Deadman At 6' .....	511.46	108.82
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	24.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0088	LF		6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	771.24	162.63
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	37.92	
32 32 29 00-0089	LF		8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	1,020.25	216.25
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	49.96	
<b>32 32 53 Stone Retaining Walls (32 32)</b>					
<b>32 32 53 00-0001 Stone Retaining Walls (32 32 53)</b>					
Note: Construction is either dry set or mortar set. System elements include concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.					
<b>32 32 53 00-0002 Stone Retaining Walls (32 32 53 00-0001)</b>					
Note: Stone at \$16.00/ton.					
32 32 53 00-0003	LF		\$16.00/ton 3' High Stone Retaining Wall, Dry Set.....	432.76	198.81
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	2.98	
32 32 53 00-0004	LF		\$16.00/ton 4' High Stone Retaining Wall, Dry Set.....	511.41	236.52
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.26	
32 32 53 00-0005	LF		\$16.00/ton 6' High Stone Retaining Wall, Dry Set.....	673.29	314.24
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.81	
32 32 53 00-0006	LF		\$16.00/ton 8' High Stone Retaining Wall, Dry Set.....	1,040.60	491.32
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.92	
32 32 53 00-0007	LF		\$16.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,353.95	642.70
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.82	
32 32 53 00-0008	LF		\$16.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,681.49	800.35
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.86	
32 32 53 00-0009	LF		\$16.00/ton 3' High Stone Retaining Wall, Mortar Set.....	387.10	176.02
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	2.98	
32 32 53 00-0010	LF		\$16.00/ton 4' High Stone Retaining Wall, Mortar Set.....	454.89	208.26
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.26	
32 32 53 00-0011	LF		\$16.00/ton 6' High Stone Retaining Wall, Mortar Set.....	589.86	272.46
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.81	
32 32 53 00-0012	LF		\$16.00/ton 8' High Stone Retaining Wall, Mortar Set.....	906.30	424.19
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.92	
32 32 53 00-0013	LF		\$16.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,165.56	548.55
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.82	
32 32 53 00-0014	LF		\$16.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,449.12	684.21
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.86	
<b>32 32 53 00-0015 Stone Retaining Walls (32 32 53 00-0001)</b>					
Note: Stone at \$32.00/ton.					
32 32 53 00-0016	LF		\$32.00/ton 3' High Stone Retaining Wall, Dry Set.....	443.36	198.81
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.88	
32 32 53 00-0017	LF		\$32.00/ton 4' High Stone Retaining Wall, Dry Set.....	526.09	236.52
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.51	
32 32 53 00-0018	LF		\$32.00/ton 6' High Stone Retaining Wall, Dry Set.....	694.50	314.24
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.62	
32 32 53 00-0019	LF		\$32.00/ton 8' High Stone Retaining Wall, Dry Set.....	1,071.59	491.32
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	7.56	
32 32 53 00-0020	LF		\$32.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,396.36	642.70
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	9.43	
32 32 53 00-0021	LF		\$32.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,735.31	800.35
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	11.44	
32 32 53 00-0022	LF		\$32.00/ton 3' High Stone Retaining Wall, Mortar Set.....	397.70	176.02
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.88	
32 32 53 00-0023	LF		\$32.00/ton 4' High Stone Retaining Wall, Mortar Set.....	469.57	208.26
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.51	
32 32 53 00-0024	LF		\$32.00/ton 6' High Stone Retaining Wall, Mortar Set.....	611.07	272.46
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.62	
32 32 53 00-0025	LF		\$32.00/ton 8' High Stone Retaining Wall, Mortar Set.....	937.29	424.19
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	7.56	
32 32 53 00-0026	LF		\$32.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,207.97	548.55
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	9.43	
32 32 53 00-0027	LF		\$32.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,502.94	684.21
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	11.44	
<b>32 32 53 00-0028 Stone Retaining Walls (32 32 53 00-0001)</b>					
Note: Stone at \$48.00/ton.					
32 32 53 00-0029	LF		\$48.00/ton 3' High Stone Retaining Wall, Dry Set.....	454.78	198.81
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.85	
32 32 53 00-0030	LF		\$48.00/ton 4' High Stone Retaining Wall, Dry Set.....	540.60	236.52
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.74	
32 32 53 00-0031	LF		\$48.00/ton 6' High Stone Retaining Wall, Dry Set.....	714.88	314.24
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	7.35	
32 32 53 00-0032	LF		\$48.00/ton 8' High Stone Retaining Wall, Dry Set.....	1,102.58	491.32
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	10.19	
32 32 53 00-0033	LF		\$48.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,438.76	642.70
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	13.03	
32 32 53 00-0034	LF		\$48.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,789.95	800.35
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	16.08	
32 32 53 00-0035	LF		\$48.00/ton 3' High Stone Retaining Wall, Mortar Set.....	409.12	176.02
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.85	
32 32 53 00-0036	LF		\$48.00/ton 4' High Stone Retaining Wall, Mortar Set.....	484.25	208.26
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.75	
32 32 53 00-0037	LF		\$48.00/ton 6' High Stone Retaining Wall, Mortar Set.....	631.45	272.46
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	7.35	

**32 Exterior Improvements****32 30 Site Improvements****32 32 Retaining Walls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0038	LF		\$48.00/ton 8' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	968.28 10.19	424.19
32 32 53 00-0039	LF		\$48.00/ton 10' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,250.37 13.03	548.55
32 32 53 00-0040	LF		\$48.00/ton 12' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,557.58 16.08	684.21
<b>32 32 53 00-0041</b>			<b>Stone Retaining Walls</b> (32 32 53 00-0001) Note: Stone at \$64.00/ton.		
32 32 53 00-0042	LF		\$64.00/ton 3' High Stone Retaining Wall, Dry Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	466.19 5.82	198.81
32 32 53 00-0043	LF		\$64.00/ton 4' High Stone Retaining Wall, Dry Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	539.14 5.62	236.52
32 32 53 00-0044	LF		\$64.00/ton 6' High Stone Retaining Wall, Dry Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	736.90 9.22	314.24
32 32 53 00-0045	LF		\$64.00/ton 8' High Stone Retaining Wall, Dry Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,135.20 12.96	491.32
32 32 53 00-0046	LF		\$64.00/ton 10' High Stone Retaining Wall, Dry Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,482.80 16.77	642.70
32 32 53 00-0047	LF		\$64.00/ton 12' High Stone Retaining Wall, Dry Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,845.40 20.80	800.35
32 32 53 00-0048	LF		\$64.00/ton 3' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	420.53 5.82	176.02
32 32 53 00-0049	LF		\$64.00/ton 4' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	498.93 7.00	208.26
32 32 53 00-0050	LF		\$64.00/ton 6' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	653.47 9.22	272.46
32 32 53 00-0051	LF		\$64.00/ton 8' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,000.90 12.96	424.19
32 32 53 00-0052	LF		\$64.00/ton 10' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,294.41 16.77	548.55
32 32 53 00-0053	LF		\$64.00/ton 12' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,613.03 20.80	684.21
<b>32 33 Site Furnishings</b> (32 30)					
<b>32 33 13 Site Bicycle Racks</b> (32 33)					
32 33 13 00-0001			Bicycle Organizer And Rack (32 33 13)		
32 33 13 00-0002			Vertical Style Bike Racks Single/Double Sided, Galvanized (32 33 13 00-0001)		
32 33 13 00-0003			Double Sided (32 33 13 00-0002)		
32 33 13 00-0004	EA		5' Galvanized Steel Double Sided Bike Rack, 9 Bikes.....	648.88	106.17
32 33 13 00-0005	EA		10' Galvanized Steel Double Sided Bike Rack, 18 Bikes.....	976.87	174.43
32 33 13 00-0006	EA		20' Galvanized Steel Double Sided Bike Rack, 36 Bikes.....	1,687.13	265.44
32 33 13 00-0007			Single Sided (32 33 13 00-0002)		
32 33 13 00-0008	EA		5' Galvanized Steel Single Sided Bike Rack, 5 Bikes.....	567.86	94.80
32 33 13 00-0009	EA		10' Galvanized Steel Single Sided Bike Rack, 9 Bikes.....	800.65	157.75
32 33 13 00-0010	EA		20' Galvanized Steel Single Sided Bike Rack, 18 Bikes.....	1,375.63	237.00
32 33 13 00-0011			Anchor Set For Vertical Style Bike Rack (32 33 13 00-0002)		
32 33 13 00-0012	PR		Anchor Set For Vertical Style Bike Rack..... Note: Anchoring frame to ground.	98.96	
32 33 13 00-0013			Bike Racks Ground Loop (32 33 13 00-0001) Note: In-ground mount.		
32 33 13 00-0014	EA		83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes.....	849.09	186.03
32 33 13 00-0015			Serpentine Bike Racks (32 33 13 00-0001) Note: In-ground mount.		
32 33 13 00-0016			Galvanized, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0017	EA		1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized.....	467.13	113.76
32 33 13 00-0018	EA		3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized.....	639.96	123.24
32 33 13 00-0019	EA		5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized.....	812.80	132.72
32 33 13 00-0020	EA		7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized.....	1,007.62	142.20
32 33 13 00-0021	EA		9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized.....	1,202.44	151.68
32 33 13 00-0022	EA		11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized.....	1,309.33	161.16
32 33 13 00-0023			Galvanized, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0024	EA		1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized.....	531.58	113.76
32 33 13 00-0025	EA		3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized.....	686.43	123.24
32 33 13 00-0026	EA		5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized.....	841.28	132.72
32 33 13 00-0027	EA		7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized.....	979.14	142.20
32 33 13 00-0028	EA		9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized.....	1,134.00	151.68
32 33 13 00-0029	EA		11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized.....	1,322.82	161.16
32 33 13 00-0030	EA		13' x 42" High Serpentine Bike Rack, 15 Bikes, Galvanized.....	1,562.60	189.60
32 33 13 00-0031	EA		15' x 42" High Serpentine Bike Rack, 17 Bikes, Galvanized.....	1,819.37	180.12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0032	EA		17' x 42" High Serpentine Bike Rack, 19 Bikes, Galvanized.....	2,059.16	189.60
<b>32 33 13 00-0033</b>			<b>Powder Coated, 36" High, 2-3/8" OD Tubing</b> (32 33 13 00-0015)		
32 33 13 00-0034	EA		1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated .....	467.13	113.76
32 33 13 00-0035	EA		3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated .....	639.96	123.24
32 33 13 00-0036	EA		5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated .....	812.80	132.72
32 33 13 00-0037	EA		7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated .....	1,007.62	142.20
32 33 13 00-0038	EA		9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated .....	1,202.44	151.68
32 33 13 00-0039	EA		11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated.....	1,309.33	161.16
<b>32 33 13 00-0040</b>			<b>Powder Coated, 42" High, 2-3/8" OD Tubing</b> (32 33 13 00-0015)		
32 33 13 00-0041	EA		1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated .....	548.56	113.76
32 33 13 00-0042	EA		3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated .....	720.40	123.24
32 33 13 00-0043	EA		5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated .....	875.25	132.72
32 33 13 00-0044	EA		7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated .....	1,064.08	142.20
32 33 13 00-0045	EA		9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated .....	1,218.93	151.68
32 33 13 00-0046	EA		11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated .....	1,424.74	161.16
32 33 13 00-0047	EA		13' x 42" High Serpentine Bike Rack, 15 Bikes, Powder Coated .....	1,698.49	189.60
32 33 13 00-0048	EA		15' x 42" High Serpentine Bike Rack, 17 Bikes, Powder Coated .....	1,972.25	180.12
32 33 13 00-0049	EA		17' x 42" High Serpentine Bike Rack, 19 Bikes, Powder Coated .....	2,229.02	189.60
<b>32 33 13 00-0050</b>			<b>Stainless Steel, 36" High, 2-3/8" OD Tubing</b> (32 33 13 00-0015)		
32 33 13 00-0051	EA		1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel .....	900.16	113.76
32 33 13 00-0052	EA		3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel .....	1,351.08	123.24
32 33 13 00-0053	EA		5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel .....	1,802.01	132.72
32 33 13 00-0054	EA		7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel .....	2,314.65	142.20
32 33 13 00-0055	EA		9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel .....	2,827.28	151.68
32 33 13 00-0056	EA		11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel .....	3,093.08	161.16
<b>32 33 13 00-0057</b>			<b>Stainless Steel, 42" High, 2-3/8" OD Tubing</b> (32 33 13 00-0015)		
32 33 13 00-0058	EA		1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel .....	701.44	113.76
32 33 13 00-0059	EA		3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel .....	1,569.72	123.24
32 33 13 00-0060	EA		5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel .....	2,064.30	132.72
32 33 13 00-0061	EA		7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel .....	2,524.91	142.20
32 33 13 00-0062	EA		9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel .....	3,002.50	151.68
32 33 13 00-0063	EA		11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel .....	3,497.08	161.16
32 33 13 00-0064	EA		13' x 42" High Serpentine Bike Rack, 15 Bikes, Stainless Steel .....	3,923.71	189.60
32 33 13 00-0065	EA		15' x 42" High Serpentine Bike Rack, 17 Bikes, Stainless Steel .....	4,520.21	180.12
32 33 13 00-0066	EA		17' x 42" High Serpentine Bike Rack, 19 Bikes, Stainless Steel .....	5,099.72	189.60
<b>32 33 13 00-0067</b>			<b>Bike Racks Bollards/Bicycle Posts</b> (32 33 13 00-0001)		
			Note: In-ground mount.		
32 33 13 00-0068	EA		43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G).....	467.77	85.32
<b>32 33 23</b>			<b>Site Trash and Litter Receptacles</b> (32 33)		
<b>32 33 23 00-0001</b>			<b>Steel Trash Containment</b> (32 33 23)		
<b>32 33 23 00-0002</b>			<b>Steel Frame Surrounded With Kiln-Dried Wood</b> (32 33 23 00-0001)		
32 33 23 00-0003	EA		13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood .....	393.40	45.25
32 33 23 00-0004	EA		24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood .....	376.18	45.25
32 33 23 00-0005	EA		21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood .....	376.18	45.25
32 33 23 00-0006	EA		24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood .....	356.80	45.25
32 33 23 00-0007	EA		18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood.....	393.40	45.25
32 33 23 00-0008	EA		23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood.....	356.80	45.25
32 33 23 00-0009	EA		24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood.....	483.85	45.25
<b>32 33 23 00-0010</b>			<b>Square Steel Frames Surrounded With Flat Steel</b> (32 33 23 00-0001)		
32 33 23 00-0011	EA		26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround.....	700.56	45.25
32 33 23 00-0012	EA		26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround.....	755.28	45.25
32 33 23 00-0013	EA		26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround.....	755.28	45.25
<b>32 33 23 00-0014</b>			<b>Round Steel Pipe And Flat Steel Frames</b> (32 33 23 00-0001)		
			Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015	EA		21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood.....	1,028.91	45.25
32 33 23 00-0016	EA		21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood.....	1,107.09	45.25
32 33 23 00-0017	EA		21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood .....	1,273.21	45.25
32 33 23 00-0018	EA		21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood.....	1,155.95	45.25
<b>32 33 23 00-0019</b>			<b>Round Steel Pipe Surrounded With Perforated</b> (32 33 23 00-0001)		
32 33 23 00-0020	EA		21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe.....	921.41	45.25
32 33 23 00-0021	EA		21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe.....	999.59	45.25
32 33 23 00-0022	EA		21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe.....	1,165.72	45.25
32 33 23 00-0023	EA		21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe .....	1,058.22	45.25

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
32 33 23 00-0024		<b>Round Steel Pipe Frames Surrounded With Welded Wire</b> (32 33 23 00-0001)			
32 33 23 00-0025	EA	21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround .....	735.74		45.25
32 33 23 00-0026	EA	21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround .....	813.92		45.25
32 33 23 00-0027	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround .....	980.05		45.25
32 33 23 00-0028	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround .....	872.55		45.25
32 33 23 00-0029		<b>Litter Baskets</b> (32 33 23)			
32 33 23 00-0030		<b>Round Wire Litter Baskets</b> (32 33 23 00-0029)			
32 33 23 00-0031	EA	1.33' Diameter x 1.83' High Round Wire Litter Basket .....	128.30		4.60
32 33 23 00-0032	EA	1.5' Diameter x 1.83' High Round Wire Litter Basket .....	161.75		4.60
32 33 23 00-0033	EA	1.75' Diameter x 2.33' High Round Wire Litter Basket .....	218.49		4.60
32 33 23 00-0034	EA	1.83' Diameter x 2.83' High Round Wire Litter Basket .....	250.51		4.60
32 33 23 00-0035		<b>Trash Can/Wire Basket Holder</b> (32 33 23 00-0029)			
32 33 23 00-0036	EA	Steel Post, Single Holder .....	189.82		36.95
32 33 23 00-0037	EA	Steel Post, Double Holder .....	253.82		36.95
32 33 23 00-0038	EA	Redwood Post, Single Holder .....	212.08		36.95
32 33 23 00-0039	EA	Redwood Post, Double Holder .....	262.00		36.95
32 33 23 00-0040		<b>Litter Receptacles, Freestanding</b> (32 33 23 00-0029)			
Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.					
32 33 23 00-0041	EA	16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded .....	1,028.28		18.85
		For Powder Coated Sand Pan, Add .....	50.00		
		For Orange Peel Lid, Add .....	25.00		
		For Polished Granite Lid, Add .....	50.00		
32 33 23 00-0042	EA	16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded .....	1,082.12		18.85
		For Powder Coated Sand Pan, Add .....	50.00		
		For Orange Peel Lid, Add .....	25.00		
		For Polished Granite Lid, Add .....	50.00		
32 33 23 00-0043	EA	20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded .....	1,262.47		28.27
		For Powder Coated Sand Pan, Add .....	50.00		
		For Orange Peel Lid, Add .....	25.00		
		For Polished Granite Lid, Add .....	50.00		
32 33 23 00-0044	EA	20" Diameter x 40" High Litter Receptacle, Freestanding Embedded .....	1,316.31		28.27
		For Powder Coated Sand Pan, Add .....	50.00		
		For Orange Peel Lid, Add .....	25.00		
		For Polished Granite Lid, Add .....	50.00		
32 33 23 00-0045	EA	16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole .....	1,370.15		28.27
		For Powder Coated Sand Pan, Add .....	50.00		
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add .....	22.50		
		For Orange Peel Lid, Add .....	25.00		
		For Polished Granite Lid, Add .....	50.00		
32 33 23 00-0046	EA	16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole .....	1,423.98		28.27
		For Powder Coated Sand Pan, Add .....	50.00		
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add .....	22.50		
		For Orange Peel Lid, Add .....	25.00		
		For Polished Granite Lid, Add .....	50.00		
32 33 23 00-0047	EA	16" Diameter x 28" High Litter Receptacle, Wall Mount .....	1,136.49		24.51
		For Powder Coated Sand Pan, Add .....	50.00		
		For Orange Peel Lid, Add .....	25.00		
		For Polished Granite Lid, Add .....	50.00		
		For 1-1/2" x 6" Diameter Metal Cover Plate, Add .....	20.00		
32 33 23 00-0048	EA	16" Diameter x 32" High Litter Receptacle, Wall Mount .....	1,190.33		24.51
		For Powder Coated Sand Pan, Add .....	50.00		
		For Orange Peel Lid, Add .....	25.00		
		For Polished Granite Lid, Add .....	50.00		
		For 1-1/2" x 6" Diameter Metal Cover Plate, Add .....	20.00		
32 33 23 00-0049		<b>Ash Receptacles</b> (32 33 23)			
32 33 23 00-0050	EA	12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded .....	478.97		18.85
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add .....	22.50		
		For Sand Pan, Add .....	110.00		
		For Bowl And Funnel, Add .....	120.00		
32 33 23 00-0051	EA	18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner .....	205.41		18.85
32 33 23 00-0052	EA	16" Square x 24" High, Palm Ash Urn, Custom Color "Paseo Oak". Quick Crete Products: Palm Series QS-PS 1624 .....	221.09		18.85
32 33 23 00-0053		<b>Trash Receptacles</b> (32 33 23)			
32 33 23 00-0054	EA	Outdoor Covered Steel Receptacle With Liner .....	845.24		18.85
32 33 23 00-0055	EA	Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame .....	924.44		18.85
32 33 23 00-0056	EA	24" x 24" Square Trash Containment With Exposed Aggregate Finish .....	516.52		18.85
32 33 23 00-0057	EA	30" x 30" Square Trash Containment With Exposed Aggregate Finish .....	539.07		20.73
32 33 23 00-0058	EA	36" x 36" Square Trash Containment With Exposed Aggregate Finish .....	580.40		22.62
32 33 23 00-0059	EA	32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber .....	245.88		15.08
32 33 23 00-0060	EA	32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber .....	290.83		15.08
32 33 23 00-0061	EA	24" x 24" Square 18" High Trash Receptacle, Fiberglass .....	313.65		18.85

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 33 23 00-0062	EA		25" Square x 32" High Trash Receptacle; Palm Series QS-PS 2532-D, Style D Lid Brown Color, Round Plastic Liners QPL-30-B, Custom Color "Paseo Oak", Quick Crete Products .....	472.99	20.73
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**32 33 23 00-0063** Trash Containers (Dumpsters) (32 33 23)

32 33 23 00-0064	EA		1 CY Straight Side Trash Dumpster .....	208.30	
32 33 23 00-0065	EA		1.5 CY Straight Side Trash Dumpster .....	312.44	
32 33 23 00-0066	EA		2 CY Straight Side Trash Dumpster .....	416.59	
32 33 23 00-0067	EA		2 CY Sloped Side Trash Dumpster .....	416.59	
32 33 23 00-0068	EA		3 CY Sloped Side Trash Dumpster .....	624.89	
32 33 23 00-0069	EA		4 CY Sloped Side Trash Dumpster .....	833.18	
32 33 23 00-0070	EA		6 CY Sloped Side Trash Dumpster .....	1,249.77	
32 33 23 00-0071	EA		8 CY Sloped Side Trash Dumpster .....	1,666.36	

**32 33 33** Site Manufactured Planters (32 33)

**32 33 33 00-0001** Precast Concrete Planters (32 33 33)

**32 33 33 00-0002** Circular Precast Concrete Planters (32 33 33 00-0001)

32 33 33 00-0003	EA		24" Diameter, 17" Height, Circular Precast Concrete Planter .....	571.82	23.20
32 33 33 00-0004	EA		24" Diameter, 24" Height, Circular Precast Concrete Planter .....	640.85	27.84
32 33 33 00-0005	EA		24" Diameter, 33" Height, Circular Precast Concrete Planter .....	700.60	27.84
32 33 33 00-0006	EA		30" Diameter, 17" Height, Circular Precast Concrete Planter .....	760.84	32.47
32 33 33 00-0007	EA		30" Diameter, 30" Height, Circular Precast Concrete Planter .....	921.73	41.76
32 33 33 00-0008	EA		36" Diameter, 24" Height, Circular Precast Concrete Planter .....	1,002.56	41.76
32 33 33 00-0009	EA		36" Diameter, 30" Height, Circular Precast Concrete Planter .....	1,129.59	46.39
32 33 33 00-0010	EA		48" Diameter, 17" Height, Circular Precast Concrete Planter .....	1,192.85	46.39
32 33 33 00-0011	EA		48" Diameter, 24" Height, Circular Precast Concrete Planter .....	1,330.27	58.00
32 33 33 00-0012	EA		48" Diameter, 30" Height, Circular Precast Concrete Planter .....	1,415.01	61.71
32 33 33 00-0013	EA		48" Diameter, 36" Height, Circular Precast Concrete Planter .....	1,474.23	64.96
32 33 33 00-0014	EA		60" Diameter, 17" Height, Circular Precast Concrete Planter .....	1,338.44	58.00
32 33 33 00-0015	EA		60" Diameter, 24" Height, Circular Precast Concrete Planter .....	1,472.47	64.96
32 33 33 00-0016	EA		60" Diameter, 36" Height, Circular Precast Concrete Planter .....	1,884.16	69.60
32 33 33 00-0017	EA		72" Diameter, 36" Height, Circular Precast Concrete Planter .....	2,444.95	88.15
32 33 33 00-0018	EA		84" Diameter, 36" Height, Circular Precast Concrete Planter .....	2,839.07	92.80

**32 33 33 00-0019** Square Precast Concrete Planters (32 33 33 00-0001)

32 33 33 00-0020	EA		36" Square, 30" Height, Square Precast Concrete Planter .....	1,155.14	60.31
32 33 33 00-0021	EA		42" Square, 30" Height, Square Precast Concrete Planter .....	1,321.80	64.96
32 33 33 00-0022	EA		60" Square, 36" Height, Square Precast Concrete Planter .....	2,083.23	74.23
32 33 33 00-0023	EA		72" Square, 36" Height, Square Precast Concrete Planter .....	2,222.55	78.88

**32 33 33 00-0024** Rectangular Precast Concrete Planters (32 33 33 00-0001)

32 33 33 00-0025	EA		33" x 18", 20" Height, Rectangular Precast Concrete Planter .....	667.21	27.84
32 33 33 00-0026	EA		48" x 18", 20" Height, Rectangular Precast Concrete Planter .....	784.66	41.76
32 33 33 00-0027	EA		60" x 18", 20" Height, Rectangular Precast Concrete Planter .....	909.93	46.39
32 33 33 00-0028	EA		72" x 18", 20" Height, Rectangular Precast Concrete Planter .....	1,036.80	58.00

**32 33 33 00-0029** Fiberglass Planters (32 33 33)

**32 33 33 00-0030** Circular Fiberglass Planters (32 33 33 00-0029)

32 33 33 00-0031	EA		36" Diameter, 27" High, Circular Fiberglass Planter .....	1,401.86	23.20
32 33 33 00-0032	EA		60" Diameter, 39" High, Circular Fiberglass Planter .....	2,336.03	23.20
32 33 33 00-0033	EA		36" Diameter, 24" High, Circular Fiberglass Planter .....	933.11	23.20
32 33 33 00-0034	EA		60" Diameter, 24" High, Circular Fiberglass Planter .....	1,843.57	23.20

**32 33 33 00-0035** Tapered Circular Fiberglass Planters (32 33 33 00-0029)

32 33 33 00-0036	EA		24" Diameter, 20" High, Tapered Circular Fiberglass Planter .....	542.65	23.20
32 33 33 00-0037	EA		30" Diameter, 25" High, Tapered Circular Fiberglass Planter .....	797.71	23.20
32 33 33 00-0038	EA		36" Diameter, 30" High, Tapered Circular Fiberglass Planter .....	1,425.57	23.20
32 33 33 00-0039	EA		40" Diameter, 36" High, Tapered Circular Fiberglass Planter .....	1,992.49	23.20

**32 33 33 00-0040** Square Fiberglass Planters (32 33 33 00-0029)

32 33 33 00-0041	EA		24" Square, 21" High, Square Fiberglass Planter .....	714.04	23.20
32 33 33 00-0042	EA		24" Square, 24" High, Square Fiberglass Planter .....	730.02	23.20
32 33 33 00-0043	EA		30" Square, 12" High, Square Fiberglass Planter .....	738.48	23.20
32 33 33 00-0044	EA		30" Square, 21" High, Square Fiberglass Planter .....	838.34	23.20
32 33 33 00-0045	EA		30" Square, 24" High, Square Fiberglass Planter .....	911.09	23.20

**32 33 33 00-0046** Rectangular Fiberglass Planters (32 33 33 00-0029)

32 33 33 00-0047	EA		48" x 12", 12" High, Rectangular Fiberglass Planter .....	822.52	23.20
32 33 33 00-0048	EA		48" x 12", 21" High, Rectangular Fiberglass Planter .....	882.19	23.20
32 33 33 00-0049	EA		48" x 24", 12" High, Rectangular Fiberglass Planter .....	1,150.87	23.20
32 33 33 00-0050	EA		48" x 24", 21" High, Rectangular Fiberglass Planter .....	1,270.20	23.20

**32 33 33 00-0051** Timber Planters (32 33 33)

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
<b>32 33 33 00-0052 Square Timber Planters</b> (32 33 33 00-0051)					
32 33 33 00-0053	EA	14" Square, 30" High, Square Timber Planter		1,016.83	45.25
32 33 33 00-0054	EA	21" Square, 30" High, Square Timber Planter		1,016.83	45.25
32 33 33 00-0055	EA	27" Square, 30" High, Square Timber Planter		2,066.13	45.25
32 33 33 00-0056	EA	34" Square, 30" High, Square Timber Planter		1,770.55	45.25
32 33 33 00-0057	EA	41" Square, 36" High, Square Timber Planter		2,140.02	45.25
32 33 33 00-0058	EA	54" Square, 36" High, Square Timber Planter		5,746.06	45.25
32 33 33 00-0059	EA	81" Square, 36" High, Square Timber Planter		8,716.61	45.25
<b>32 33 33 00-0060 Rectangular Timber Planters</b> (32 33 33 00-0051)					
32 33 33 00-0061	EA	21" x 14", 30" High, Rectangular Timber Planter		1,002.05	45.25
32 33 33 00-0062	EA	27" x 14", 30" High, Rectangular Timber Planter		1,135.06	45.25
32 33 33 00-0063	EA	27" x 21", 30" High, Rectangular Timber Planter		1,534.09	45.25
32 33 33 00-0064	EA	34" x 21", 30" High, Rectangular Timber Planter		1,711.44	45.25
32 33 33 00-0065	EA	41" x 21", 30" High, Rectangular Timber Planter		2,243.47	45.25
32 33 33 00-0066	EA	34" x 27", 30" High, Rectangular Timber Planter		2,627.72	45.25
32 33 33 00-0067	EA	41" x 27", 30" High, Rectangular Timber Planter		2,952.86	45.25
32 33 33 00-0068	EA	54" x 27", 30" High, Rectangular Timber Planter		3,883.93	45.25
32 33 33 00-0069	EA	54" x 34", 30" High, Rectangular Timber Planter		4,401.19	45.25
32 33 33 00-0070	EA	68" x 34", 36" High, Rectangular Timber Planter		5,036.68	45.25
32 33 33 00-0071	EA	54" x 41", 36" High, Rectangular Timber Planter		4,785.44	45.25
32 33 33 00-0072	EA	68" x 41", 36" High, Rectangular Timber Planter		5,435.71	45.25
32 33 33 00-0073	EA	81" x 41", 36" High, Rectangular Timber Planter		6,100.76	45.25
<b>32 33 43 Site Seating and Tables</b> (32 33)					
<b>32 33 43 13 Site Seating</b> (32 33 43)					
<b>32 33 43 13-0001 Benches (Landscapeforms)</b> (32 33 43 13)					
Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.					
32 33 43 13-0002	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade)		1,448.96	75.40
32 33 43 13-0003	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Balustrade)		1,812.44	75.40
32 33 43 13-0004	EA	96" Backed Wood Bench (Landscapeforms Balustrade)		2,046.11	75.40
32 33 43 13-0005	EA	End Loop Arms For Backed Bench (Landscapeforms Balustrade)		167.52	18.85
32 33 43 13-0006	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's)		1,584.42	75.40
32 33 43 13-0007	EA	96" Backless Wood Bench (Landscapeforms Gretchen's)		1,793.25	75.40
32 33 43 13-0008	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Gretchen's)		1,956.93	75.40
32 33 43 13-0009	EA	96" Backed Wood Bench (Landscapeforms Gretchen's)		2,210.92	75.40
32 33 43 13-0010	EA	72" Backed Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's)		2,239.14	75.40
32 33 43 13-0011	EA	96" Backed Wood Bench With Armrest (Landscapeforms Gretchen's)		2,493.12	75.40
32 33 43 13-0012	EA	59" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)		2,908.08	75.40
32 33 43 13-0013	EA	75" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)		3,161.16	75.40
32 33 43 13-0014	EA	42" Backless Metal Grid Bench (Landscapeforms Manistee)		819.07	56.56
32 33 43 13-0015	EA	62" Backless Metal Grid Bench (Landscapeforms Manistee)		885.67	56.56
32 33 43 13-0016	EA	72" Backless Metal Grid Bench (Landscapeforms Manistee)		957.80	65.99
32 33 43 13-0017	EA	82" Backless Metal Grid Bench (Landscapeforms Manistee)		1,117.65	65.99
32 33 43 13-0018	EA	42" Backed Metal Grid Bench (Landscapeforms Manistee)		1,024.41	65.99
32 33 43 13-0019	EA	62" Backed Metal Grid Bench (Landscapeforms Manistee)		1,091.01	65.99
32 33 43 13-0020	EA	72" Backed Metal Grid Bench (Landscapeforms Manistee)		1,176.47	75.40
32 33 43 13-0021	EA	82" Backed Metal Grid Bench (Landscapeforms Manistee)		1,349.63	75.40
32 33 43 13-0022	EA	42" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)		1,144.29	65.99
32 33 43 13-0023	EA	62" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)		1,229.75	75.40
32 33 43 13-0024	EA	72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)		1,296.35	75.40
32 33 43 13-0025	EA	82" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)		1,469.51	75.40
32 33 43 13-0026	EA	72" Backless Solid Wood Bench (Landscapeforms Palisade)		2,340.73	75.40
32 33 43 13-0027	EA	96" Backless Solid Wood Bench (Landscapeforms Palisade)		2,690.66	75.40
32 33 43 13-0028	EA	70" Backless Perforated Metal Bench (Landscapeforms Petoskey)		1,500.89	75.40
32 33 43 13-0029	EA	70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey)		1,812.44	75.40
32 33 43 13-0030	EA	70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey)		1,968.22	75.40
32 33 43 13-0031	EA	72" Backed Wood Bench (Landscapeforms Plainwell)		1,917.42	75.40
32 33 43 13-0032	EA	72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)		2,126.26	75.40
32 33 43 13-0033	EA	96" Backed Wood Bench (Landscapeforms Plainwell)		2,352.02	75.40
32 33 43 13-0034	EA	96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)		2,560.85	75.40
32 33 43 13-0035	EA	96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell)		2,775.33	75.40
32 33 43 13-0036	EA	72" Backed Aluminum Bench (Landscapeforms Plainwell)		2,442.32	75.40
32 33 43 13-0037	EA	72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)		2,651.16	75.40
32 33 43 13-0038	EA	96" Backed Aluminum Bench (Landscapeforms Plainwell)		2,995.45	75.40
32 33 43 13-0039	EA	96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)		3,215.57	75.40
32 33 43 13-0040	EA	96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell)		3,418.75	75.40
32 33 43 13-0041	EA	Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus)		556.97	18.85
32 33 43 13-0042	EA	Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)		748.87	18.85
32 33 43 13-0043	EA	Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)		748.87	18.85
32 33 43 13-0044	EA	Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus)		681.14	18.85
32 33 43 13-0045	EA	Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)		844.82	18.85
32 33 43 13-0046	EA	Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)		844.82	18.85
32 33 43 13-0047	EA	Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)		844.82	18.85
32 33 43 13-0048	EA	Armrest For Metal Grid Seats (Landscapeforms Plexus)		167.52	18.85
32 33 43 13-0049	EA	Backless Straight Metal Grid Seats (Landscapeforms Presidio)		782.73	18.85
32 33 43 13-0050	EA	Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)		867.39	18.85
32 33 43 13-0051	EA	Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)		952.05	18.85
32 33 43 13-0052	EA	Backless Angled Metal Grid Seats (Landscapeforms Presidio)		946.41	18.85
32 33 43 13-0053	EA	Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)		1,031.07	18.85
32 33 43 13-0054	EA	Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)		1,115.73	18.85



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0055 EA Backed Straight Metal Grid Seats (Landscapeforms Presidio) .....	935.12	18.85
32 33 43 13-0056 EA Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio) .....	1,019.78	18.85
32 33 43 13-0057 EA Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio) .....	1,104.44	18.85
32 33 43 13-0058 EA Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio) .....	1,143.95	18.85
32 33 43 13-0059 EA Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio) .....	1,228.62	18.85
32 33 43 13-0060 EA Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio) .....	1,313.28	18.85
32 33 43 13-0061 EA Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio) .....	1,143.95	18.85
32 33 43 13-0062 EA Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio) .....	1,228.62	18.85
32 33 43 13-0063 EA Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio) .....	1,313.28	18.85
32 33 43 13-0064 EA 48" Backless Horizontal Strap Bench (Landscapeforms Scarborough) .....	1,561.84	75.40
32 33 43 13-0065 EA 72" Backless Horizontal Strap Bench (Landscapeforms Scarborough) .....	1,584.42	75.40
32 33 43 13-0066 EA 96" Backless Horizontal Strap Bench (Landscapeforms Scarborough) .....	1,928.71	75.40
32 33 43 13-0067 EA 48" Backless Woven Bench (Landscapeforms Scarborough) .....	2,340.73	75.40
32 33 43 13-0068 EA 72" Backless Woven Bench (Landscapeforms Scarborough) .....	2,764.04	75.40
32 33 43 13-0069 EA 96" Backless Woven Bench (Landscapeforms Scarborough) .....	3,164.77	75.40
32 33 43 13-0070 EA 24" Backed Horizontal Strap Bench (Landscapeforms Scarborough) .....	1,257.06	75.40
32 33 43 13-0071 EA 48" Backed Horizontal Strap Bench (Landscapeforms Scarborough) .....	1,674.73	75.40
32 33 43 13-0072 EA 72" Backed Horizontal Strap Bench (Landscapeforms Scarborough) .....	1,714.24	75.40
32 33 43 13-0073 EA 72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough) .....	1,973.86	75.40
32 33 43 13-0074 EA 96" Backed Horizontal Strap Bench (Landscapeforms Scarborough) .....	2,227.85	75.40
32 33 43 13-0075 EA 96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough) .....	2,493.12	75.40
32 33 43 13-0076 EA 96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough) .....	2,752.75	75.40
32 33 43 13-0077 EA 24" Backed Woven Bench (Landscapeforms Scarborough) .....	2,227.85	75.40
32 33 43 13-0078 EA 48" Backed Woven Bench (Landscapeforms Scarborough) .....	2,696.31	75.40
32 33 43 13-0079 EA 72" Backed Woven Bench (Landscapeforms Scarborough) .....	3,153.48	75.40
32 33 43 13-0080 EA 72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough) .....	3,418.75	75.40
32 33 43 13-0081 EA 96" Backed Woven Bench (Landscapeforms Scarborough) .....	3,983.16	75.40
32 33 43 13-0082 EA 96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough) .....	4,242.79	75.40
32 33 43 13-0083 EA 96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough) .....	4,496.78	75.40
32 33 43 13-0084 EA 32" Backed Strap Or Perforated Bench (Landscapeforms Town Square) .....	1,063.24	65.99
32 33 43 13-0085 EA 49" Backed Strap Or Perforated Bench (Landscapeforms Town Square) .....	1,283.36	65.99
32 33 43 13-0086 EA 49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square) .....	1,401.88	65.99
32 33 43 13-0087 EA 70" Backed Strap Or Perforated Bench (Landscapeforms Town Square) .....	1,640.86	75.40
32 33 43 13-0088 EA 70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square) .....	1,860.98	75.40
<b>32 33 43 13-0089 Other Benches (32 33 43 13)</b>		
32 33 43 13-0090 EA 6' Timberform #2118-6 Restoration Bench With Cast Iron Glossy Black Frames, Armrests, Purple Heart Wood Slats, S.J.S.U. Logo, Surface Mount .....	2,717.85	69.75
<b>32 33 43 13-0091 Benches (Columbia Cascade, TimberForm) (32 33 43 13)</b>		
<b>32 33 43 13-0092 Wood Benches (Columbia Cascade, TimberForm) (32 33 43 13-0091)</b>		
Note: Includes powder coated steel frames.		
32 33 43 13-0093 EA 70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E) .....	611.00	37.71
32 33 43 13-0094 EA 94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E) .....	699.41	37.71
32 33 43 13-0095 EA 118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E) .....	893.87	37.71
32 33 43 13-0096 EA 70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P) .....	637.54	37.71
32 33 43 13-0097 EA 94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P) .....	725.93	37.71
32 33 43 13-0098 EA 118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P) .....	929.22	37.71
32 33 43 13-0099 EA 70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E) .....	929.22	37.71
32 33 43 13-0100 EA 94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E) .....	1,079.48	37.71
32 33 43 13-0101 EA 118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E) .....	1,388.84	37.71
32 33 43 13-0102 EA 70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P) .....	973.42	37.71
32 33 43 13-0103 EA 94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P) .....	1,123.68	37.71
32 33 43 13-0104 EA 118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P) .....	1,450.71	37.71
32 33 43 13-0105 EA 70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E) .....	1,786.59	37.71
32 33 43 13-0106 EA 94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E) .....	2,095.95	37.71
32 33 43 13-0107 EA 118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E) .....	2,741.19	37.71
32 33 43 13-0108 EA 70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P) .....	1,830.79	37.71
32 33 43 13-0109 EA 94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P) .....	2,140.15	37.71
32 33 43 13-0110 EA 118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P) .....	2,803.05	37.71
32 33 43 13-0111 EA 70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E) .....	708.26	37.71
32 33 43 13-0112 EA 94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E) .....	796.64	37.71
32 33 43 13-0113 EA 70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P) .....	734.77	37.71
32 33 43 13-0114 EA 94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P) .....	823.16	37.71
32 33 43 13-0115 EA 46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E) .....	1,176.71	37.71
32 33 43 13-0116 EA 70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E) .....	1,388.84	37.71
32 33 43 13-0117 EA 46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P) .....	1,247.42	37.71
32 33 43 13-0118 EA 70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P) .....	1,459.55	37.71
32 33 43 13-0119 EA 70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6) .....	748.59	56.56
32 33 43 13-0120 EA 94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8) .....	783.95	56.56
32 33 43 13-0121 EA 118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10) .....	1,057.95	56.56
32 33 43 13-0122 EA 46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E) .....	575.67	37.71
32 33 43 13-0123 EA 70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E) .....	664.06	37.71
32 33 43 13-0124 EA 94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E) .....	752.44	37.71
32 33 43 13-0125 EA 118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E) .....	964.58	37.71
32 33 43 13-0126 EA 142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E) .....	1,052.97	37.71
32 33 43 13-0127 EA 46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P) .....	584.51	37.71

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 33 43 13-0128	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P)	672.89	37.71
32 33 43 13-0129	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P)	761.28	37.71
32 33 43 13-0130	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P)	991.09	37.71
32 33 43 13-0131	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P)	1,079.48	37.71
32 33 43 13-0132	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E)	982.25	37.71
32 33 43 13-0133	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E)	1,132.52	37.71
32 33 43 13-0134	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-E)	1,459.55	37.71
32 33 43 13-0135	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-E)	1,609.81	37.71
32 33 43 13-0136	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P)	999.93	37.71
32 33 43 13-0137	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P)	1,150.19	37.71
32 33 43 13-0138	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P)	1,486.07	37.71
32 33 43 13-0139	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P)	1,636.33	37.71
32 33 43 13-0140	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E)	982.25	37.71
32 33 43 13-0141	EA	82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E)	1,380.00	37.71
32 33 43 13-0142	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E)	1,229.74	37.71
32 33 43 13-0143	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E)	1,618.65	37.71
32 33 43 13-0144	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E)	1,768.91	37.71
32 33 43 13-0145	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P)	1,123.68	37.71
32 33 43 13-0146	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P)	1,406.52	37.71
32 33 43 13-0147	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P)	1,247.42	37.71
32 33 43 13-0148	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P)	1,645.17	37.71
32 33 43 13-0149	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P)	1,795.43	37.71
32 33 43 13-0150	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6)	1,040.27	56.56
32 33 43 13-0151	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8)	1,199.37	56.56
32 33 43 13-0152	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10)	1,535.25	56.56
32 33 43 13-0153	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6)	1,137.50	56.56
32 33 43 13-0154	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8)	1,296.60	56.56
32 33 43 13-0155	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10)	1,685.51	56.56

**32 33 43 13-0156 Recycled Plastic Benches (Columbia Cascade, TimberForm) (32 33 43 13-0091)**

Note: Includes powder coated steel frames.

32 33 43 13-0157	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E)	831.99	37.71
32 33 43 13-0158	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E)	1,132.52	37.71
32 33 43 13-0159	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P)	858.51	37.71
32 33 43 13-0160	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P)	1,159.03	37.71
32 33 43 13-0161	EA	46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E)	1,300.45	37.71
32 33 43 13-0162	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E)	1,521.43	37.71
32 33 43 13-0163	EA	46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P)	1,371.17	37.71
32 33 43 13-0164	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P)	1,592.14	37.71
32 33 43 13-0165	EA	70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6)	836.98	56.56
32 33 43 13-0166	EA	94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8)	1,004.92	56.56
32 33 43 13-0167	EA	118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10)	1,181.69	56.56
32 33 43 13-0168	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E)	681.71	37.71
32 33 43 13-0169	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E)	911.54	37.71
32 33 43 13-0170	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E)	1,088.32	37.71
32 33 43 13-0171	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P)	708.25	37.71
32 33 43 13-0172	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P)	938.06	37.71
32 33 43 13-0173	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P)	1,123.68	37.71
32 33 43 13-0174	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E)	1,079.48	37.71
32 33 43 13-0175	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E)	1,450.71	37.71
32 33 43 13-0176	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E)	1,760.08	37.71
32 33 43 13-0177	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P)	1,123.68	37.71
32 33 43 13-0178	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P)	1,512.59	37.71
32 33 43 13-0179	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P)	1,821.95	37.71
32 33 43 13-0180	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E)	2,095.95	37.71
32 33 43 13-0181	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E)	2,882.61	37.71
32 33 43 13-0182	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E)	3,191.97	37.71
32 33 43 13-0183	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P)	2,140.15	37.71
32 33 43 13-0184	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P)	2,944.48	37.71
32 33 43 13-0185	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P)	3,253.84	37.71
32 33 43 13-0186	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E)	1,318.13	37.71
32 33 43 13-0187	EA	82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E)	1,830.79	37.71

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0188 EA 94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E).....	1,751.24	37.71
32 33 43 13-0189 EA 118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E).....	2,007.56	37.71
32 33 43 13-0190 EA 142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E).....	2,697.00	37.71
32 33 43 13-0191 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P).....	1,335.81	37.71
32 33 43 13-0192 EA 82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P).....	1,857.30	37.71
32 33 43 13-0193 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P).....	1,777.75	37.71
32 33 43 13-0194 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P).....	2,034.08	37.71
32 33 43 13-0195 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P).....	2,741.19	37.71
32 33 43 13-0196 EA 70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6).....	1,261.24	56.56
32 33 43 13-0197 EA 94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8).....	1,694.35	56.56
32 33 43 13-0198 EA 118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10).....	2,092.10	56.56
32 33 43 13-0199 EA 70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6).....	1,411.51	56.56
32 33 43 13-0200 EA 94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8).....	1,879.97	56.56
32 33 43 13-0201 EA 118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10).....	2,065.58	56.56
32 33 43 13-0202 EA 46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E).....	611.02	37.71
32 33 43 13-0203 EA 70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E).....	796.64	37.71
32 33 43 13-0204 EA 94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E).....	1,070.64	37.71
32 33 43 13-0205 EA 118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E).....	1,256.26	37.71
32 33 43 13-0206 EA 142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E).....	1,459.55	37.71
32 33 43 13-0207 EA 46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P).....	628.70	37.71
32 33 43 13-0208 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P).....	814.32	37.71
32 33 43 13-0209 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P).....	1,097.16	37.71
32 33 43 13-0210 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P).....	1,282.78	37.71
32 33 43 13-0211 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P).....	1,494.91	37.71
32 33 43 13-0212 EA 70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E).....	1,176.71	37.71
32 33 43 13-0213 EA 94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E).....	1,609.81	37.71
32 33 43 13-0214 EA 118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E).....	1,981.05	37.71
32 33 43 13-0215 EA 142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E).....	2,228.54	37.71
32 33 43 13-0216 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P).....	1,194.39	37.71
32 33 43 13-0217 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P).....	1,636.33	37.71
32 33 43 13-0218 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P).....	2,007.56	37.71
32 33 43 13-0219 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P).....	2,263.89	37.71
<b>32 33 43 13-0220 Benches (Wabash Valley) (32 33 43 13)</b>		
<b>32 33 43 13-0221 Prestige/Profile Benches (32 33 43 13-0220)</b>		
32 33 43 13-0222 EA 6' Bench With Arms, Inground, Diamond Site Furniture (Wabash Valley PP411D).....	676.28	35.22
32 33 43 13-0223 EA 6' Bench With Arms, Inground, Perforated Site Furniture (Wabash Valley PP411P).....	745.87	35.22
<b>32 33 43 13-0224 Straight Benches (32 33 43 13-0220)</b>		
32 33 43 13-0225 EA 6' Signature Standard Inground Bench With Back SG303P.....	697.95	52.79
32 33 43 13-0226 EA 6' Signature Standard Surface Mount Bench With Back SG306P.....	708.47	52.79
32 33 43 13-0227 EA 8' Signature Standard Inground Bench With Back SG315P.....	759.28	52.79
32 33 43 13-0228 EA 8' Signature Standard Inground Bench Without Back SG316P.....	508.70	52.79
32 33 43 13-0229 EA 8' Signature Standard Surface Mount Bench With Back SG318P.....	759.28	52.79
32 33 43 13-0230 EA 8' Signature Standard Surface Mount Bench Without Back SG319P.....	508.70	52.79
32 33 43 13-0231 EA Shelter With 6' Bench SH305P.....	4,844.81	67.86
32 33 43 13-0232 EA 2-Seat With Back, Portable, CL310.....	1,010.80	35.22
32 33 43 13-0233 EA 2-Seat With Back, Surface Mount, CL311D.....	976.87	52.86
32 33 43 13-0234 EA 2-Seat With Back, Inground, CL312D.....	1,084.18	70.50
32 33 43 13-0235 EA 2-Seat Without Back, Portable, CL315D.....	871.62	35.22
32 33 43 13-0236 EA 2-Seat Without Back, Surface Mount, CL316D.....	837.69	52.86
32 33 43 13-0237 EA 2-Seat Without Back, Inground, CL317D.....	924.52	70.50
32 33 43 13-0238 EA 3-Seat With Back, Portable, CL320D.....	1,459.06	35.22
32 33 43 13-0239 EA 3-Seat With Back, Surface Mount, CL321D.....	1,439.46	52.86
32 33 43 13-0240 EA 3-Seat With Back, Inground, CL322D.....	1,520.15	70.50
32 33 43 13-0241 EA 3-Seat Without Back, Portable CL325D.....	1,209.35	35.22
32 33 43 13-0242 EA 3-Seat Without Back, Surface Mount, CL326D.....	1,189.74	52.86
32 33 43 13-0243 EA 3-Seat Without Back, Inground, CL327D.....	1,272.48	70.50
<b>32 33 43 13-0244 Concave Benches (32 33 43 13-0220)</b>		
32 33 43 13-0245 EA Benches, 15 Deg Concave With Back, Portable, CL405D.....	1,385.37	35.22

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 33 43	13-0246	EA	Benches, 15 Deg Concave With Back, Surface Mount, CL406D .....	1,357.59	52.86
32 33 43	13-0247	EA	Benches, 15 Deg Concave With Back, Inground, CL407D .....	1,440.33	70.50
32 33 43	13-0248	EA	Benches, 15 Deg Concave Without Back, Portable, CL415D .....	1,354.67	35.22
32 33 43	13-0249	EA	Benches, 15 Deg Concave Without Back, Surface Mount, CL416D .....	1,326.88	52.86
32 33 43	13-0250	EA	Benches, 15 Deg Concave Without Back, Inground, CL417D .....	1,409.62	70.50
<b>32 33 43</b>	<b>13-0251</b>		<b>Swings</b> <small>(32 33 43 13-0220)</small>		
32 33 43	13-0252	EA	4' Swing With Chain (Perforated Or Rib) SP300P .....	1,063.70	30.17
32 33 43	13-0253	EA	6' Swing With Chain (Perforated Or Rib) SP305P .....	1,244.18	30.17
32 33 43	13-0254	EA	Round Inground Post Package SP310N .....	532.82	70.50
32 33 43	13-0255	EA	4' Square Inground Post Package SP315N .....	1,160.20	90.49
32 33 43	13-0256	EA	6' Square Inground Post Package SP320N .....	1,254.82	90.49
<b>32 33 43</b>	<b>13-0257</b>		<b>Accessories</b> <small>(32 33 43 13-0220)</small>		
32 33 43	13-0258	EA	Mounting Plate Covers (Set Of 2), MC102N .....	46.11	5.28
32 33 43	13-0259	EA	Mounting Plate Covers (Set Of 3), MC103N .....	66.25	7.01
32 33 43	13-0260	EA	Mounting Plate Covers (Set Of 4), MC104 .....	77.50	7.01
<b>32 33 43</b>	<b>13-0261</b>		<b>Camden Series Benches</b> <small>(32 33 43 13-0220)</small>		
32 33 43	13-0262	EA	6' Bench, With Back, Square Perforation, Portable/Surface Mount, CA1112C .....	1,034.72	52.79
32 33 43	13-0263	EA	6' Bench, With Back, Square Perforation, Inground, CA1111I .....	1,063.99	70.50
32 33 43	13-0264	EA	6' Bench, With Back, With Arms, Faux-Wood, Portable/Surface Mount, CA1112C .....	1,150.10	52.79
32 33 43	13-0265	EA	6' Bench, With Back, With Arms, Faux-Wood, Inground, CA1112I .....	1,182.18	70.50
32 33 43	13-0266	EA	6' Bench, With Back, With Arms, Rod, Portable/Surface Mount, CA1114C .....	1,287.99	52.79
32 33 43	13-0267	EA	6' Bench, With Back, With Arms, Rod, Inground, CA1114I .....	1,320.07	70.50
32 33 43	13-0268	EA	6' Bench, With Back, With Arms, Round Perforation, Portable/Surface Mount, CA1116C .....	1,019.25	52.79
32 33 43	13-0269	EA	6' Bench, With Back, With Arms, Round Perforation, Inground, CA1116I .....	1,049.92	70.50
32 33 43	13-0270	EA	6' Bench, With Back, With Arms, Horizontal Slat, Portable/Surface Mount, CA1119C .....	1,159.95	52.79
32 33 43	13-0271	EA	6' Bench, With Back, With Arms, Horizontal Slat, Inground, CA1116I .....	1,190.63	70.50
<b>32 33 43 53</b>			<b>Site Tables</b> <small>(32 33 43)</small>		
<b>32 33 43</b>	<b>53-0001</b>		<b>Tables</b> <small>(32 33 43 53)</small>		
<b>32 33 43</b>	<b>53-0002</b>		<b>Tables (Wabash)</b> <small>(32 33 43 53-0001)</small>		
32 33 43	53-0003	EA	Spyder ADA Round Table (Wabash SY203P) .....	1,790.55	67.86
32 33 43	53-0004	EA	Shelter With 6' Table (Wabash SH105P) .....	5,384.51	67.86
32 33 43	53-0005	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Portable/Surface Mount (Wabash CA2Q50C) .....	1,648.47	67.86
32 33 43	53-0006	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Inground (Wabash CA2Q50I) .....	1,768.63	75.40
<b>32 33 43</b>	<b>53-0007</b>		<b>Tables (Landscapeforms)</b> <small>(32 33 43 53-0001)</small>		
32 33 43	53-0008	EA	Plexus Companion Table For Backed Seat, Straight Runs .....	703.94	70.50
32 33 43	53-0009	EA	Companion Table For Narrow-Backed Seat, For 60 Degree Radius (Landscapeforms Plexus) .....	884.55	70.50
32 33 43	53-0010	EA	Companion Table For Narrow-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus) .....	884.55	70.50
32 33 43	53-0011	EA	Companion Table For Wide-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus) .....	884.55	70.50
32 33 43	53-0012	EA	6-Person Picnic Table (Landscapeforms Manistee) .....	2,704.66	70.50
32 33 43	53-0013	EA	4-Person Picnic Table (Landscapeforms Manistee) .....	2,401.24	70.50
32 33 43	53-0014	EA	2-Person Picnic Table (Landscapeforms Manistee) .....	1,213.09	70.50
32 33 43	53-0015	EA	Umbrella Stand For Picnic Table (Landscapeforms) .....	225.76	
32 33 43	53-0016	EA	32" x 72" Picnic Table (Landscapeforms Petoskey) .....	2,127.72	67.86
32 33 43	53-0017	EA	62" Backless Metal Rod Bench (Landscapeforms Petoskey) .....	1,117.65	52.79
32 33 43	53-0018	EA	29" Backless Metal Rod Bench (Landscapeforms Petoskey) .....	931.16	52.79
32 33 43	53-0019	EA	58" x 54" x 30" Wood Or PolySite Picnic Table With Benches (Landscapeforms Gretchen) .....	2,495.04	67.86
32 33 43	53-0020	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel) .....	2,401.24	70.50
32 33 43	53-0021	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel) .....	2,401.24	70.50
32 33 43	53-0022	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel) .....	3,121.87	70.50
32 33 43	53-0023	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel) .....	3,121.87	70.50
32 33 43	53-0024	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	2,565.59	70.50
32 33 43	53-0025	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	2,565.59	70.50
32 33 43	53-0026	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	3,286.23	70.50
32 33 43	53-0027	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	3,286.23	70.50
32 33 43	53-0028	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) .....	2,502.38	70.50
32 33 43	53-0029	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) .....	2,502.38	70.50
32 33 43	53-0030	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) .....	3,273.59	70.50
32 33 43	53-0031	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) .....	3,273.59	70.50
32 33 43	53-0032	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	2,666.73	70.50
32 33 43	53-0033	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	2,666.73	70.50
32 33 43	53-0034	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	3,437.94	70.50
32 33 43	53-0035	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	3,437.94	70.50
32 33 43	53-0036	EA	3 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel) .....	2,552.95	70.50
32 33 43	53-0037	EA	4 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel) .....	2,552.95	70.50
32 33 43	53-0038	EA	5 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel) .....	3,286.23	70.50
32 33 43	53-0039	EA	6 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel) .....	3,286.23	70.50
32 33 43	53-0040	EA	3 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	2,717.31	70.50
32 33 43	53-0041	EA	4 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	2,717.31	70.50
32 33 43	53-0042	EA	5 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	3,450.59	70.50
32 33 43	53-0043	EA	6 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) .....	3,450.59	70.50
32 33 43	53-0044	EA	3 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) .....	2,679.38	70.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0045	EA		4 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	2,679.38	70.50
32 33 43 53-0046	EA		5 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	3,475.87	70.50
32 33 43 53-0047	EA		6 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	3,475.87	70.50
32 33 43 53-0048	EA		3 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	2,843.73	70.50
32 33 43 53-0049	EA		4 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	2,843.73	70.50
32 33 43 53-0050	EA		5 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,640.23	70.50
32 33 43 53-0051	EA		6 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,640.23	70.50
32 33 43 53-0052	EA		3 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel).....	2,227.85	70.50
32 33 43 53-0053	EA		4 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel).....	2,227.85	70.50
32 33 43 53-0054	EA		5 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel).....	2,939.01	70.50
32 33 43 53-0055	EA		6 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel).....	2,939.01	70.50
32 33 43 53-0056	EA		3 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	2,318.15	70.50
32 33 43 53-0057	EA		4 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	2,318.15	70.50
32 33 43 53-0058	EA		5 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	3,018.02	70.50
32 33 43 53-0059	EA		6 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	3,018.02	70.50
32 33 43 53-0060	EA		3 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel).....	2,329.44	70.50
32 33 43 53-0061	EA		4 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel).....	2,329.44	70.50
32 33 43 53-0062	EA		5 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel).....	3,074.46	70.50
32 33 43 53-0063	EA		6 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel).....	3,074.46	70.50
32 33 43 53-0064	EA		3 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	2,408.46	70.50
32 33 43 53-0065	EA		4 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	2,408.46	70.50
32 33 43 53-0066	EA		5 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	3,153.48	70.50
32 33 43 53-0067	EA		6 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	3,153.48	70.50
32 33 43 53-0068	EA		3 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel).....	2,374.60	70.50
32 33 43 53-0069	EA		4 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel).....	2,374.60	70.50
32 33 43 53-0070	EA		5 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel).....	3,097.04	70.50
32 33 43 53-0071	EA		6 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel).....	3,097.04	70.50
32 33 43 53-0072	EA		3 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	2,459.26	70.50
32 33 43 53-0073	EA		4 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	2,459.26	70.50
32 33 43 53-0074	EA		5 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	3,176.06	70.50
32 33 43 53-0075	EA		6 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	3,176.06	70.50
32 33 43 53-0076	EA		3 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel).....	2,515.70	70.50
32 33 43 53-0077	EA		4 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel).....	2,515.70	70.50
32 33 43 53-0078	EA		5 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel).....	3,317.16	70.50
32 33 43 53-0079	EA		6 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel).....	3,317.16	70.50
32 33 43 53-0080	EA		3 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	2,594.72	70.50
32 33 43 53-0081	EA		4 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	2,594.72	70.50
32 33 43 53-0082	EA		5 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	3,396.18	70.50
32 33 43 53-0083	EA		6 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	3,396.18	70.50
<b>32 33 43 53-0084 Tables (Columbia Cascade Co. - TimberForm) (32 33 43 53-0001)</b>					
32 33 43 53-0085	EA		Table With Four Chairs (Columbia Cascade Co. 2052-E).....	3,298.90	88.08
32 33 43 53-0086	EA		Table With Four Chairs (Columbia Cascade Co. 2052-P).....	4,021.32	88.08
32 33 43 53-0087	EA		Accessible Table With Three Chairs (Columbia Cascade Co. 2053-E).....	2,787.20	88.08
32 33 43 53-0088	EA		Accessible Table With Three Chairs (Columbia Cascade Co. 2053-P).....	3,469.47	88.08
32 33 43 53-0089	EA		Table With Four Seats (Columbia Cascade Co. 2054-E).....	1,864.11	88.08
32 33 43 53-0090	EA		Table With Four Seats (Columbia Cascade Co. 2054-P).....	2,024.65	88.08
32 33 43 53-0091	EA		Accessible Table With Three Seats (Columbia Cascade Co. 2055-E).....	1,593.21	88.08
32 33 43 53-0092	EA		Accessible Table With Three Seats (Columbia Cascade Co. 2055-P).....	1,733.68	88.08
32 33 43 53-0093	EA		Integral Table With Four Seats (Columbia Cascade Co. 2056-E).....	2,074.82	88.08
32 33 43 53-0094	EA		Integral Table With Four Seats (Columbia Cascade Co. 2056-P).....	2,215.29	88.08
32 33 43 53-0095	EA		Integral Table With Four Seats (Columbia Cascade Co. 2056-R).....	3,339.04	88.08
32 33 43 53-0096	EA		Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-E).....	1,844.05	88.08
32 33 43 53-0097	EA		Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-P).....	1,984.52	88.08
32 33 43 53-0098	EA		Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-R).....	3,108.27	88.08
32 33 43 53-0099	EA		Standard Picnic Table And Seats (Columbia Cascade Co. 2062).....	2,285.52	88.08
32 33 43 53-0100	EA		Standard Picnic Table And Seats (Columbia Cascade Co. 2062-P).....	2,446.06	88.08
32 33 43 53-0101	EA		Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-E).....	2,666.79	88.08
32 33 43 53-0102	EA		Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-P).....	2,827.33	88.08
32 33 43 53-0103	EA		Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-E).....	3,339.04	88.08
32 33 43 53-0104	EA		Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-P).....	3,499.58	88.08
32 33 43 53-0105	EA		Standard Picnic Table And Benches (Columbia Cascade Co. 2073-E).....	3,339.04	88.08
32 33 43 53-0106	EA		Standard Picnic Table And Benches (Columbia Cascade Co. 2073-P).....	3,499.58	88.08
32 33 43 53-0107	EA		Standard Picnic Table And Seats (Columbia Cascade Co. 2074-6).....	787.78	35.22
32 33 43 53-0108	EA		Accessible Picnic Table And Seats (Columbia Cascade Co. 2075-6).....	1,048.65	35.22
32 33 43 53-0109	EA		Gameboard (Columbia Cascade Co. 2095).....	228.35	17.64
32 33 43 53-0110	EA		Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-E).....	2,285.52	88.08
32 33 43 53-0111	EA		Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-E).....	2,606.59	88.08
32 33 43 53-0112	EA		Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-P).....	2,446.06	88.08
32 33 43 53-0113	EA		Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-P).....	2,767.13	88.08
32 33 43 53-0114	EA		Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-E).....	2,536.36	88.08
32 33 43 53-0115	EA		Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-E).....	2,857.43	88.08
32 33 43 53-0116	EA		Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-P).....	2,696.90	88.08
32 33 43 53-0117	EA		Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-P).....	3,017.97	88.08
32 33 43 53-0118	EA		Standard Picnic Table With Seats (Columbia Cascade Co. 2164-6).....	2,132.27	35.22
32 33 43 53-0119	EA		Standard Picnic Table With Seats (Columbia Cascade Co. 2164-8).....	2,393.14	35.22
32 33 43 53-0120	EA		Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-6).....	2,383.10	35.22
32 33 43 53-0121	EA		Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-8).....	2,643.98	35.22
32 33 43 53-0122	EA		Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-E).....	5,365.81	88.08
32 33 43 53-0123	EA		Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-P).....	5,927.68	88.08
32 33 43 53-0124	EA		Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-E).....	5,365.81	88.08
32 33 43 53-0125	EA		Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-P).....	5,927.68	88.08
32 33 43 53-0126	EA		Round Table With Center Support (Columbia Cascade Co. 2902-0030-E).....	1,342.37	88.08
32 33 43 53-0127	EA		Round Table With Center Support (Columbia Cascade Co. 2902-0036-E).....	1,472.81	88.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0213 EA Square Table With Four Legs (Columbia Cascade Co. 2925-3030-L).....	1,101.57	88.08
32 33 43 53-0214 EA Square Table With Four Legs (Columbia Cascade Co. 2925-3636-L).....	1,131.67	88.08
32 33 43 53-0215 EA Square Table With Four Legs (Columbia Cascade Co. 2925-4242-L).....	1,161.77	88.08
32 33 43 53-0216 EA Round Table With Center Support (Columbia Cascade Co. 2932-0030-E).....	1,121.64	88.08
32 33 43 53-0217 EA Round Table With Center Support (Columbia Cascade Co. 2932-0036-E).....	1,161.77	88.08
32 33 43 53-0218 EA Round Table With Center Support (Columbia Cascade Co. 2932-0042-E).....	1,201.90	88.08
32 33 43 53-0219 EA Round Table With Center Support (Columbia Cascade Co. 2932-0030-P).....	1,211.94	88.08
32 33 43 53-0220 EA Round Table With Center Support (Columbia Cascade Co. 2932-0036-P).....	1,252.07	88.08
32 33 43 53-0221 EA Round Table With Center Support (Columbia Cascade Co. 2932-0042-P).....	1,292.20	88.08
32 33 43 53-0222 EA Square Table With Center Support (Columbia Cascade Co. 2932-3030-E).....	1,191.87	88.08
32 33 43 53-0223 EA Square Table With Center Support (Columbia Cascade Co. 2932-3636-E).....	1,221.97	88.08
32 33 43 53-0224 EA Square Table With Center Support (Columbia Cascade Co. 2932-4242-E).....	1,252.07	88.08
32 33 43 53-0225 EA Square Table With Center Support (Columbia Cascade Co. 2932-3030-P).....	1,282.17	88.08
32 33 43 53-0226 EA Square Table With Center Support (Columbia Cascade Co. 2932-3636-P).....	1,312.27	88.08
32 33 43 53-0227 EA Square Table With Center Support (Columbia Cascade Co. 2932-4242-P).....	1,342.37	88.08
32 33 43 53-0228 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0030-E).....	1,171.80	88.08
32 33 43 53-0229 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0036-E).....	1,211.94	88.08
32 33 43 53-0230 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0042-E).....	1,252.07	88.08
32 33 43 53-0231 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0030-P).....	1,171.80	88.08
32 33 43 53-0232 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0036-P).....	1,211.94	88.08
32 33 43 53-0233 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0042-P).....	1,252.07	88.08
32 33 43 53-0234 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0030-L).....	1,171.80	88.08
32 33 43 53-0235 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0036-L).....	1,211.94	88.08
32 33 43 53-0236 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0042-L).....	1,252.07	88.08
32 33 43 53-0237 EA Square Table With Four Legs (Columbia Cascade Co. 2935-3030-E).....	1,242.04	88.08
32 33 43 53-0238 EA Square Table With Four Legs (Columbia Cascade Co. 2935-3636-E).....	1,272.14	88.08
32 33 43 53-0239 EA Square Table With Four Legs (Columbia Cascade Co. 2935-4242-E).....	1,302.24	88.08
32 33 43 53-0240 EA Square Table With Four Legs (Columbia Cascade Co. 2935-3030-P).....	1,242.04	88.08
32 33 43 53-0241 EA Square Table With Four Legs (Columbia Cascade Co. 2935-3636-P).....	1,272.14	88.08
32 33 43 53-0242 EA Square Table With Four Legs (Columbia Cascade Co. 2935-4242-P).....	1,302.24	88.08
32 33 43 53-0243 EA Square Table With Four Legs (Columbia Cascade Co. 2935-3030-L).....	1,242.04	88.08
32 33 43 53-0244 EA Square Table With Four Legs (Columbia Cascade Co. 2935-3636-L).....	1,272.14	88.08
32 33 43 53-0245 EA Square Table With Four Legs (Columbia Cascade Co. 2935-4242-L).....	1,302.24	88.08
32 33 43 53-0246 EA Square Table With Center Support (Columbia Cascade Co. 2942-3030-E).....	951.07	88.08
32 33 43 53-0247 EA Square Table With Center Support (Columbia Cascade Co. 2942-3636-E).....	981.17	88.08
32 33 43 53-0248 EA Square Table With Center Support (Columbia Cascade Co. 2942-4242-E).....	1,011.27	88.08
32 33 43 53-0249 EA Square Table With Center Support (Columbia Cascade Co. 2942-3030-P).....	1,041.37	88.08
32 33 43 53-0250 EA Square Table With Center Support (Columbia Cascade Co. 2942-3636-P).....	1,071.47	88.08
32 33 43 53-0251 EA Square Table With Center Support (Columbia Cascade Co. 2942-4242-P).....	1,101.57	88.08
32 33 43 53-0252 EA Round Table With Center Support (Columbia Cascade Co. 2962-0030-E).....	1,121.64	88.08
32 33 43 53-0253 EA Round Table With Center Support (Columbia Cascade Co. 2962-0036-E).....	1,161.77	88.08
32 33 43 53-0254 EA Round Table With Center Support (Columbia Cascade Co. 2962-0042-E).....	1,201.90	88.08
32 33 43 53-0255 EA Round Table With Center Support (Columbia Cascade Co. 2962-0030-P).....	1,011.27	88.08
32 33 43 53-0256 EA Round Table With Center Support (Columbia Cascade Co. 2962-0036-P).....	1,051.40	88.08
32 33 43 53-0257 EA Round Table With Center Support (Columbia Cascade Co. 2962-0042-P).....	1,091.54	88.08
32 33 43 53-0258 EA Square Table With Center Support (Columbia Cascade Co. 2962-3030-E).....	931.00	88.08
32 33 43 53-0259 EA Square Table With Center Support (Columbia Cascade Co. 2962-3636-E).....	961.10	88.08
32 33 43 53-0260 EA Square Table With Center Support (Columbia Cascade Co. 2962-4242-E).....	991.20	88.08
32 33 43 53-0261 EA Square Table With Center Support (Columbia Cascade Co. 2962-3030-P).....	1,021.30	88.08
32 33 43 53-0262 EA Square Table With Center Support (Columbia Cascade Co. 2962-3636-P).....	1,051.40	88.08
32 33 43 53-0263 EA Square Table With Center Support (Columbia Cascade Co. 2962-4242-P).....	1,081.50	88.08
<b>32 33 43 53-0264 Picnic Tables (32 33 43 53)</b>		
<b>32 33 43 53-0265 Wooden Picnic Tables (32 33 43 53-0264)</b>		
32 33 43 53-0266 EA 6' Permanent Rectangular Redwood Table.....	1,904.25	56.56
<b>32 33 43 53-0267 Portable Picnic Tables (32 33 43 53-0264)</b>		
32 33 43 53-0268 EA 6' Wood Table With Aluminum Frame.....	856.90	37.71
32 33 43 53-0269 EA 6' Aluminum Table And Frame.....	1,234.57	37.71
32 33 43 53-0270 EA 8' Aluminum Table And Frame.....	1,474.23	47.13
32 33 43 53-0271 EA 6' Steel Table And Frame.....	894.87	37.71
32 33 43 53-0272 EA 8' Steel Table And Frame.....	1,025.76	47.13
<b>32 33 43 53-0273 Concrete Picnic Tables (32 33 43 53-0264)</b>		
32 33 43 53-0274 EA 72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quickrete QLBT72PT).....	1,793.84	150.82
32 33 43 53-0275 EA 96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLBT96PT Or QLMR96PT).....	2,113.95	
Note: Standard sealer		
32 33 43 53-0276 EA 102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA).....	2,120.44	
Note: Standard sealer		
32 33 43 53-0277 EA 42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC).....	2,258.68	
Note: Includes table top, four benches and mounting hardware.		
<b>32 33 43 53-0278 Plastic Picnic Tables (32 33 43 53-0264)</b>		
Note: Manufactured from recycled plastic.		
<b>32 33 43 53-0279 Pedestal Tables - 4' Square, 2 Seats (32 33 43 53-0278)</b>		
32 33 43 53-0280 EA 3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats.....	727.96	56.56
32 33 43 53-0281 EA 4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats.....	793.27	56.56

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 33 43 53-0282		<b>Pedestal Tables - 4' Square, 4 Seats</b> (32 33 43 53-0278)			
32 33 43 53-0283	EA	3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats.....	939.75		56.56
32 33 43 53-0284	EA	4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats.....	1,027.46		56.56
32 33 43 53-0285		<b>Recycled Plastic Tables</b> (32 33 43 53-0278)			
32 33 43 53-0286	EA	6' Standard "Step-Over" Table, Recycled Plastic Lumber.....	1,216.54		56.56
32 33 43 53-0287	EA	6' " Walk-Through" Table, Recycled Plastic Lumber.....	1,020.95		56.56
32 33 43 53-0288	EA	7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends.....	1,110.83		56.56
32 33 43 53-0289	EA	8' " Walk-Through" Table, Recycled Plastic Lumber, ADA Ends.....	1,041.80		56.56
32 33 43 53-0290	EA	8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends.....	1,299.05		56.56
32 33 43 53-0291	EA	4' Youth Table, Recycled Plastic Lumber.....	535.42		45.25
32 33 53		<b>Site Grills</b> (32 33)			
32 33 53 00-0001		<b>Picnic Grills</b> (32 33 53)			
32 33 53 00-0002	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill.....	303.43		
		Note: 11 gauge with galvanized steel post.			
32 33 53 00-0003	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill.....	324.17		
		Note: 7 gauge with galvanized steel post.			
32 33 63		<b>Skate Board Deterrent</b> (32 33)			
32 33 63 00-0001		<b>Skate Stoppers</b> (32 33 63)			
32 33 63 00-0002	EA	Aluminum Architectural Series Pieces, Skate Stopper.....	47.00		
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.			
		For >59 To 99, Deduct	-4.88		
		For >99 To 249, Deduct	-6.20		
		For >249, Deduct	-7.52		
32 33 63 00-0003	EA	Aluminum Fixed Angle Series Pieces, Skate Stopper.....	49.69		
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.			
		For >59 To 99, Deduct	-5.26		
		For >99 To 249, Deduct	-6.66		
		For >249, Deduct	-8.05		
32 33 63 00-0004	EA	Aluminum Fixed Radius Series Pieces, Skate Stopper.....	35.90		
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.			
		For >59 To 99, Deduct	-3.33		
		For >99 To 249, Deduct	-4.31		
		For >249, Deduct	-5.30		
32 33 63 00-0005	EA	Aluminum Bench Clips, Skate Stopper.....	29.29		
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.			
		For >59 To 99, Deduct	-2.40		
		For >99 To 249, Deduct	-3.19		
		For >249, Deduct	-3.97		
32 33 63 00-0006	EA	Aluminum Curve Clips, Skate Stopper.....	31.77		
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.			
		For >59 To 99, Deduct	-2.75		
		For >99 To 249, Deduct	-3.61		
		For >249, Deduct	-4.47		
32 33 63 00-0007	EA	Aluminum Hand Rail, Skate Stopper.....	30.50		
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.			
		For >59 To 99, Deduct	-2.57		
		For >99 To 249, Deduct	-3.39		
		For >249, Deduct	-4.22		
32 33 63 00-0008	EA	Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper.....	28.88		
		Note: Includes drilling and anchoring into suitable surface material.			
		For >59 To 99, Deduct	-2.35		
		For >99 To 249, Deduct	-3.12		
		For >249, Deduct	-3.89		
32 33 63 00-0009	EA	Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper.....	38.91		
		Note: Includes drilling and anchoring into suitable surface material.			
		For >59 To 99, Deduct	-3.75		
		For >99 To 249, Deduct	-4.82		
		For >249, Deduct	-5.90		
32 33 63 00-0010	EA	Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper.....	69.01		
		Note: Includes drilling and anchoring into suitable surface material.			
		For >59 To 99, Deduct	-7.96		
		For >99 To 249, Deduct	-9.94		
		For >249, Deduct	-11.92		
32 39		<b>Manufactured Site Specialties</b> (32 30)			
		Note: Excludes coredrilling, augering, concrete footing and compaction See CSI section 02 41 19 13-0025 for concrete core drilling, 02 41 19 13-0163 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.			
32 39 13		<b>Manufactured Metal Bollards</b> (32 39)			
32 39 13 00-0001		<b>Metal Pipe Bollards</b> (32 39 13)			
		Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.			
32 39 13 00-0002		<b>Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powered Coated</b> (32 39 13 00-0001)			



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 13 00-0003	LF		4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	44.29	11.37
			For Galvanized Steel, Add	3.66	
			For 304 Stainless Steel, Add	29.09	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	114.96	
			For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	83.40	
			For Schedule 80, Add	5.51	
			For Concrete Fill, Add Per LF Of Pipe Bollard	7.87	
32 39 13 00-0004	LF		6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	56.73	11.37
			For Galvanized Steel, Add	5.78	
			For 304 Stainless Steel, Add	45.89	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	114.96	
			For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	83.40	
			For Schedule 80, Add	7.37	
			For Concrete Fill, Add Per LF Of Pipe Bollard	11.09	
32 39 13 00-0005	LF		8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	78.83	14.21
			For Galvanized Steel, Add	8.57	
			For 304 Stainless Steel, Add	68.05	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	151.68	
			For Each Sleeve For Removable, Lockable Bollard, Add	125.00	
			For Schedule 80, Add	10.40	
			For Concrete Fill, Add Per LF Of Pipe Bollard	14.80	
32 39 13 00-0006	LF		10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	103.07	17.06
			For Galvanized Steel, Add	11.72	
			For 304 Stainless Steel, Add	93.11	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	174.40	
			For Each Sleeve For Removable, Lockable Bollard, Add	136.36	
			For Schedule 80, Add	13.76	
			For Concrete Fill, Add Per LF Of Pipe Bollard	18.10	
32 39 13 00-0007	LF		12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	131.06	22.74
			For Galvanized Steel, Add	14.55	
			For 304 Stainless Steel, Add	115.55	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	240.88	
			For Each Sleeve For Removable, Lockable Bollard, Add	187.81	
			For Schedule 80, Add	17.39	
			For Concrete Fill, Add Per LF Of Pipe Bollard	21.09	
<b>32 39 23 Manufactured Concrete Bollards (32 39)</b>					
32 39 23 00-0001			Concrete Bollards (32 39 23) Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any.		
32 39 23 00-0002			Concrete Bollard, Exposed Aggregate (32 39 23 00-0001)		
32 39 23 00-0003	EA		12" x 12" x 30" High Concrete Bollard, Light Sandblast.....	506.75	90.95
			Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 23 00-0004	EA		12" Diameter x 30" High Concrete Bollard, Light Sandblast.....	506.75	90.95
			Note: Surface mounted with anchor bolts embedded into grout pockets.		
<b>32 39 25 Manufactured Wood Bollards (32 39)</b>					
32 39 25 00-0001			Wood Bollards (32 39 25) Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 25 00-0002			Wood Bollard, Pressure Treated Timber (32 39 25 00-0001)		
32 39 25 00-0003	LF		4" x 4", Pressure Treated Wood Bollard.....	22.10	9.10
			For Each Sleeve For Removable, Lockable Bollard, Add	83.40	
32 39 25 00-0004	LF		6" x 6", Pressure Treated Wood Bollard.....	26.23	9.10
			For Each Sleeve For Removable, Lockable Bollard, Add	83.40	
32 39 25 00-0005	LF		8" x 8", Pressure Treated Wood Bollard.....	34.77	10.23
			For Each Sleeve For Removable, Lockable Bollard, Add	126.14	
32 39 25 00-0006	LF		10" x 10", Pressure Treated Wood Bollard.....	49.59	13.64
			For Each Sleeve For Removable, Lockable Bollard, Add	139.78	
32 39 25 00-0007	LF		12" x 12", Pressure Treated Wood Bollard.....	68.49	18.19
			For Each Sleeve For Removable, Lockable Bollard, Add	193.85	
<b>32 39 27 Manufactured Plastic Bollards (32 39)</b>					
32 39 27 00-0001			Plastic Bollards (32 39 27) See CSI section 32 31 13 13-0001 for augering and filling holes for bollards.		
32 39 27 00-0002			Recycled Plastic Bollards (32 39 27 00-0001)		
32 39 27 00-0003	EA		6" x 6" x 33" Surface Mounted Recycled Plastic Bollard.....	261.07	45.47
			Note: Includes anchor bolts.		
32 39 27 00-0004	EA		6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard.....	412.51	45.47
32 39 27 00-0005			Plastic Bollard Covers (32 39 27 00-0001)		
32 39 27 00-0006	EA		4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	64.88	9.94
			For Reflective Tape, Add	7.15	
32 39 27 00-0007	EA		6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	70.28	10.93
			For Reflective Tape, Add	7.15	
32 39 27 00-0008	EA		3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe.....	87.39	9.94
			For Reflective Tape, Add	7.15	
32 39 27 00-0009	EA		3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe.....	87.39	9.94
			For Reflective Tape, Add	7.15	
32 39 27 00-0010	EA		3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe.....	97.90	9.94
			For Reflective Tape, Add	7.15	

**32 Exterior Improvements****32 30 Site Improvements****32 39 Manufactured Site Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 27 00-0011	EA		4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe <i>For Reflective Tape, Add</i>	87.39 7.15	9.94
32 39 27 00-0012	EA		4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe <i>For Reflective Tape, Add</i>	88.90 7.15	9.94
32 39 27 00-0013	EA		5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe <i>For Reflective Tape, Add</i>	87.39 7.15	9.94
32 39 27 00-0014	EA		5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe <i>For Reflective Tape, Add</i>	88.90 7.15	9.94
32 39 27 00-0015	EA		5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe <i>For Reflective Tape, Add</i>	123.41 7.15	9.94
32 39 27 00-0016	EA		6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe <i>For Reflective Tape, Add</i>	89.37 7.15	10.93
32 39 27 00-0017	EA		6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe <i>For Reflective Tape, Add</i>	113.39 7.15	10.93
32 39 27 00-0018	EA		6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe <i>For Reflective Tape, Add</i>	128.80 7.15	10.93
32 39 27 00-0019	EA		7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe <i>For Reflective Tape, Add</i>	109.37 7.15	11.93
32 39 27 00-0020	EA		8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe <i>For Reflective Tape, Add</i>	118.38 7.15	11.93
32 39 27 00-0021	EA		8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe <i>For Reflective Tape, Add</i>	118.38 7.15	11.93
32 39 27 00-0022	EA		10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe <i>For Reflective Tape, Add</i>	158.91 7.15	11.93

**32 39 29 Manufactured Stone Bollards (32 39)****32 39 29 00-0001 Stone Bollards (32 39 29)****32 39 29 00-0002 Granite Bollards (32 39 29 00-0001)**

32 39 29 00-0003	EA		16" x 16" x 30" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,240.89	113.69
32 39 29 00-0004	EA		16" x 16" x 54" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,571.41	159.16
32 39 29 00-0005	EA		12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top Note: Surface mounted with anchors embedded into grout pockets.	769.14	113.69
32 39 29 00-0006	EA		12" Diameter x 18" Granite Bollard, Smooth Matt Finish Note: Flat Top, surface mounted with anchors embedded into grout pockets.	1,140.14	90.95
32 39 29 00-0007	EA		24" x 24" x 20" Granite Bollard, Octagonal Cross Section Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	1,702.18	90.95

**32 80 Irrigation (32)****32 84 Planting Irrigation (32 80)****32 84 13 Drip Irrigation (32 84)****32 84 13 00-0001 Drip Emitter Irrigation Devices (32 84 13)****32 84 13 00-0002 Drip Emitter Irrigation Valves (32 84 13 00-0001)**

32 84 13 00-0003	EA		1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	41.94	10.18
32 84 13 00-0004	EA		1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV100)	64.90	10.18
32 84 13 00-0005	EA		3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075)	63.30	10.18
32 84 13 00-0006	EA		3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075BOS)	84.88	10.18

**32 84 13 00-0007 Drip Emitter Irrigation Filters (32 84 13 00-0001)**

32 84 13 00-0008	EA		3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075)	130.46	10.18
32 84 13 00-0009	EA		1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	131.65	10.18
32 84 13 00-0010	EA		3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	51.97	10.18
32 84 13 00-0011	EA		1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	52.92	10.18
32 84 13 00-0012	EA		1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100)	141.51	10.18
32 84 13 00-0013	EA		3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	66.25	10.18
32 84 13 00-0014	EA		1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY)	73.69	10.18

**32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators (32 84 13 00-0001)**

32 84 13 00-0016	EA		3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075)	51.01	10.18
32 84 13 00-0017	EA		3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	51.01	10.18
32 84 13 00-0018	EA		3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	51.01	10.18
32 84 13 00-0019	EA		1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100)	58.83	10.18

**32 84 13 00-0020 Drip Emitter Irrigation Tubing (32 84 13 00-0001)**

Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.					
32 84 13 00-0021	LF		1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100)	3.76	1.42
32 84 13 00-0022	LF		1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100)	3.49	1.63

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0023	LF		1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100).....	3.00	1.42
			<i>For Shallow Trenching And Backfill By Hand, Add</i>	5.84	
32 84 13 00-0024	LF		1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100).....	3.53	1.63
			<i>For Shallow Trenching And Backfill By Hand, Add</i>	6.32	
<b>32 84 13 00-0025</b>			<b>Drip Emitter Irrigation Fittings</b> <small>(32 84 13 00-0001)</small>		
32 84 13 00-0026	EA		1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN).....	2.68	
32 84 13 00-0027	EA		1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL).....	2.71	
32 84 13 00-0028	EA		1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE).....	2.75	
32 84 13 00-0029	EA		1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025).....	2.89	
32 84 13 00-0030	EA		1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX).....	2.66	
32 84 13 00-0031	EA		17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP).....	2.82	
			<i>For Compression Fitting, Add</i>	0.28	
32 84 13 00-0032	EA		17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW).....	2.90	
			<i>For Compression Fitting, Add</i>	0.36	
32 84 13 00-0033	EA		17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE).....	2.95	
			<i>For Compression Fitting, Add</i>	0.41	
32 84 13 00-0034	EA		17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050).....	2.97	
			<i>For Compression Fitting, Add</i>	0.43	
32 84 13 00-0035	EA		17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFFCROSS).....	3.14	
			<i>For Compression Fitting, Add</i>	0.60	
32 84 13 00-0036	EA		1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP).....	3.33	
32 84 13 00-0037	EA		12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND).....	1.64	
<b>32 84 13 00-0038</b>			<b>Drip Emitters</b> <small>(32 84 13 00-0001)</small>		
32 84 13 00-0039	EA		0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC).....	5.53	
32 84 13 00-0040	EA		5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24).....	6.29	
32 84 13 00-0041	EA		0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056).....	13.00	
<b>32 84 13 00-0042</b>			<b>Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters</b> <small>(32 84 13 00-0001)</small>		
32 84 13 00-0043	EA		Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK).....	21.52	9.16
32 84 13 00-0044	EA		Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK).....	21.57	9.16
32 84 13 00-0045	EA		12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL).....	23.66	9.16
32 84 13 00-0046	EA		24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL).....	23.88	9.16
32 84 13 00-0047	EA		4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL).....	34.49	12.00
			Note: Includes nozzle.		
32 84 13 00-0048	EA		6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL).....	37.19	12.00
			Note: Includes nozzle.		
32 84 13 00-0049	EA		12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL).....	37.47	12.00
			Note: Includes nozzle.		
<b>32 84 13 00-0050</b>			<b>Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS)</b> <small>(32 84 13 00-0001)</small>		
			Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051	LF		0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield).....	3.98	1.78
<b>32 84 23</b>			<b>Underground Sprinklers</b> <small>(32 84)</small>		
<b>32 84 23 00-0001</b>			<b>Sprinkler Heads</b> <small>(32 84 23)</small>		
<b>32 84 23 00-0002</b>			<b>Spray Sprinkler Heads</b> <small>(32 84 23 00-0001)</small>		
			Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003	EA		2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P).....	30.46	11.24
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0004	EA		4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P).....	28.93	11.24
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0005	EA		6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P).....	34.61	11.24
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0006	EA		12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P).....	39.37	11.24
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0007	EA		4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM).....	31.07	11.24
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0008	EA		6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM).....	39.07	11.24
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0009	EA		12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM).....	42.92	11.24
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0010	EA		4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS).....	33.35	11.24
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0011	EA		6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS).....	40.64	11.24
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0012	EA		12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS).....	44.24	11.24
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0013	EA		4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS).....	34.26	11.24
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0014	EA		6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS).....	45.45	11.24
			<i>For Rotary Nozzle, Add</i>	3.25	

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 84 23 00-0015	EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS).....	49.00	11.24
	<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0016	EA Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300).....	25.95	11.24
	<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0017	EA Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400).....	29.50	11.24
32 84 23 00-0018	<b>Gear-Drive, Rotary Sprinkler Heads</b> (32 84 23 00-0001) Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0019	<b>1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> (32 84 23 00-0018) Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0020	EA 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC).....	41.70	11.24
	<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0021	EA 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM) .....	42.97	11.24
	<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0022	<b>3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> (32 84 23 00-0018) Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0023	EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC) .....	38.67	11.24
	<i>For Non-Potable Cover, Add</i>	2.00	
	<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0024	EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC) .....	52.34	11.24
	<i>For Non-Potable Cover, Add</i>	2.00	
	<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0025	EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS).....	41.20	11.24
	<i>For Non-Potable Cover, Add</i>	2.00	
	<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0026	EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS).....	54.36	11.24
	<i>For Non-Potable Cover, Add</i>	2.00	
	<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0027	EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR) .....	42.21	11.24
	<i>For Non-Potable Cover, Add</i>	2.00	
	<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0028	EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR) .....	44.24	11.24
	<i>For Non-Potable Cover, Add</i>	2.00	
	<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0029	EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR) .....	57.40	11.24
	<i>For Non-Potable Cover, Add</i>	2.00	
	<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0030	EA 12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR) .....	65.50	11.24
	<i>For Non-Potable Cover, Add</i>	2.00	
	<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0031	EA Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS) .....	43.98	11.24
	<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0032	EA Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR) .....	52.08	11.24
	<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0033	<b>1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> (32 84 23 00-0018) Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034	EA 4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC).....	71.33	11.24
	<i>For Non-Potable Cover, Add</i>	2.00	
	<i>For Stainless Steel Riser, Add</i>	9.00	
	<i>For Stainless Steel Riser And High Speed Rotor, Add</i>	37.27	
32 84 23 00-0035	<b>1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> (32 84 23 00-0018) Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0036	EA 5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005).....	100.70	11.24
	<i>For Non-Potable Cover, Add</i>	2.00	
	<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0037	<b>Impact-Drive Sprinkler Heads</b> (32 84 23 00-0001) Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0038	EA 1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08) .....	57.15	11.24
	<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0039	EA 1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08).....	45.00	11.24
32 84 23 00-0040	EA 3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB) .....	85.49	11.24
32 84 23 00-0041	<b>Electric Remote Control Irrigation Valves</b> (32 84 23)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 84 23 00-0042			0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) <small>(32 84 23 00-0041)</small> Note: 15 to 150 PSI.		
32 84 23 00-0043	EA		3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV).....	128.43	46.85
32 84 23 00-0044	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV).....	128.43	46.85
32 84 23 00-0045	EA		1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS).....	141.82	53.41
32 84 23 00-0046	EA		1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA).....	129.44	46.85
32 84 23 00-0047			0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) <small>(32 84 23 00-0041)</small> Note: 15 to 150 PSI.		
32 84 23 00-0048	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF).....	129.44	46.85
32 84 23 00-0049	EA		1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS).....	143.34	53.41
32 84 23 00-0050	EA		1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB).....	144.35	53.41
32 84 23 00-0051			0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI.		
32 84 23 00-0052	EA		1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB).....	210.46	46.85
32 84 23 00-0053	EA		1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB).....	245.91	46.85
32 84 23 00-0054	EA		2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB).....	291.48	46.85
32 84 23 00-0055			5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0056	EA		1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D).....	299.44	52.67
32 84 23 00-0057	EA		1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D).....	334.89	52.67
32 84 23 00-0058	EA		2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D).....	380.46	52.67
32 84 23 00-0059			20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060	EA		1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D).....	350.08	52.67
32 84 23 00-0061	EA		1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D).....	385.52	52.67
32 84 23 00-0062	EA		2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D).....	431.10	52.67
32 84 23 00-0063			0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064	EA		1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B).....	311.28	46.85
32 84 23 00-0065	EA		1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B).....	474.24	46.85
32 84 23 00-0066	EA		2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B).....	488.97	46.85
32 84 23 00-0067	EA		3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B).....	1,144.13	63.26
32 84 23 00-0068			5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) <small>(32 84 23 00-0041)</small> Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA		1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP).....	288.45	52.67
32 84 23 00-0070	EA		1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP).....	336.91	52.67
32 84 23 00-0071	EA		1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP).....	389.52	52.67
32 84 23 00-0072	EA		2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP).....	458.80	52.67
32 84 23 00-0073			0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA		1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS).....	379.54	52.67
32 84 23 00-0075	EA		1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS).....	572.89	52.67
32 84 23 00-0076	EA		2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS).....	589.46	52.67
32 84 23 00-0077	EA		3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS).....	1,221.06	52.67

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
32 84 23 00-0078		<b>0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series)</b> <small>(32 84 23 00-0041)</small>			
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.			
32 84 23 00-0079	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ).....	384.93		46.85
32 84 23 00-0080	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ).....	547.90		46.85
32 84 23 00-0081	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ).....	562.63		46.85
32 84 23 00-0082	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ).....	1,217.79		63.26
32 84 23 00-0083		<b>5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series)</b> <small>(32 84 23 00-0041)</small>			
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.			
32 84 23 00-0084	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D).....	364.41		52.67
32 84 23 00-0085	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D).....	412.87		52.67
32 84 23 00-0086	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D).....	465.48		52.67
32 84 23 00-0087	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D).....	534.76		52.67
32 84 23 00-0088		<b>0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series)</b> <small>(32 84 23 00-0041)</small>			
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.			
32 84 23 00-0089	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ).....	453.20		52.67
32 84 23 00-0090	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ).....	646.54		52.67
32 84 23 00-0091	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ).....	663.12		52.67
32 84 23 00-0092	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ).....	1,294.72		52.67
32 84 23 00-0093		<b>Other Electric Remote Control Valves/Accessories</b> <small>(32 84 23 00-0041)</small>			
32 84 23 00-0094	EA	Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL).....	113.44		
32 84 23 00-0095		<b>Remote Control Valve Assemblies</b> <small>(32 84 23 00-0041)</small>			
		Note: Includes excavation and disposal of soil, installation of 6" minimum depth gravel or crushed rock, woven wire cloth, valve, fittings, valve box (Carson 1419-12), as detailed in the Caltrans Standard Plans 2010 page 224.			
32 84 23 00-0096	EA	1" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12).....	449.83		117.14
32 84 23 00-0097	EA	1-1/2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12).....	485.28		117.14
32 84 23 00-0098	EA	2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12).....	530.85		117.14
32 84 23 00-0099	EA	1" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12).....	500.47		117.14
		Note: Purple components for use with recycled water			
32 84 23 00-0100	EA	1-1/2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12).....	535.91		117.14
		Note: Purple components for use with recycled water			
32 84 23 00-0101	EA	2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12).....	581.49		117.14
		Note: Purple components for use with recycled water			
32 84 23 00-0102	EA	1" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12).....	514.80		117.14
		Note: Purple components for use with recycled water			
32 84 23 00-0103	EA	1-1/2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12).....	615.87		117.14
		Note: Purple components for use with recycled water			
32 84 23 00-0104	EA	2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12).....	685.15		117.14
		Note: Purple components for use with recycled water			
32 84 23 00-0105		<b>Irrigation Valve Boxes</b> <small>(32 84 23)</small>			
		Note: Includes lid.			
32 84 23 00-0106	EA	6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND).....	78.92		33.73
32 84 23 00-0107	EA	7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND).....	90.88		33.73
32 84 23 00-0108	EA	10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND).....	119.25		44.42
32 84 23 00-0109	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD).....	195.57		64.85
32 84 23 00-0110	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH).....	199.13		64.85
32 84 23 00-0111	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB).....	224.67		64.85
32 84 23 00-0112	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH).....	227.72		64.85
32 84 23 00-0113	EA	33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH).....	373.68		64.85
32 84 23 00-0114	EA	40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH).....	562.74		64.85

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0115	EA		Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Concrete Lid ..... <i>For 12" Extension, Add</i>	356.76 74.08	113.01
32 84 23 00-0116	EA		Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Steel Lid ..... <i>For 12" Extension, Add</i>	542.49 74.08	113.01
32 84 23 00-0117	EA		12" x 17" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1419-12).....	159.76	56.23
32 84 23 00-0118	EA		15" x 21" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1220-12).....	226.28	64.85
32 84 23 00-0119	EA		10" Round Irrigation Valve Box With Lid (Carson 910-10).....	124.67	44.42
32 84 23 00-0120			<b>Irrigation Controllers</b> (32 84 23) See CSI section 27 15 13 00-0256 for low voltage wiring.		
32 84 23 00-0121			<b>Irrigation Controllers</b> (32 84 23 00-0120)		
32 84 23 00-0122			<b>Irrigation Controllers (Rain Bird®)</b> (32 84 23 00-0121)		
32 84 23 00-0123			<b>Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series)</b> (32 84 23 00-0122)		
32 84 23 00-0124			<b>Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series)</b> (32 84 23 00-0123)		
32 84 23 00-0125			<b>Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series)</b> (32 84 23 00-0124)		
32 84 23 00-0126	EA		4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	272.85	30.17
32 84 23 00-0127	EA		7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	381.84	30.17
32 84 23 00-0128	EA		10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	490.84	30.17
32 84 23 00-0129	EA		13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	599.84	30.17
32 84 23 00-0130	EA		16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	678.67	30.17
32 84 23 00-0131	EA		19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	791.45	30.17
32 84 23 00-0132	EA		22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	904.22	30.17
32 84 23 00-0133			<b>Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series)</b> (32 84 23 00-0124)		
32 84 23 00-0134	EA		4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	313.23	30.17
32 84 23 00-0135	EA		7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	422.23	30.17
32 84 23 00-0136	EA		10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	531.23	30.17
32 84 23 00-0137	EA		13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	640.22	30.17
32 84 23 00-0138	EA		16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	719.06	30.17
32 84 23 00-0139	EA		19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	831.84	30.17
32 84 23 00-0140	EA		22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	944.60	30.17
32 84 23 00-0141			<b>Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series)</b> (32 84 23 00-0123)		
32 84 23 00-0142			<b>Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series)</b> (32 84 23 00-0141)		
32 84 23 00-0143	EA		4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	413.14	30.17
32 84 23 00-0144	EA		7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	522.13	30.17
32 84 23 00-0145	EA		10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	631.13	30.17
32 84 23 00-0146	EA		13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	740.13	30.17
32 84 23 00-0147	EA		16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	818.96	30.17
32 84 23 00-0148	EA		19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	931.74	30.17
32 84 23 00-0149	EA		22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,044.51	30.17
32 84 23 00-0150			<b>Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series)</b> (32 84 23 00-0141)		
32 84 23 00-0151	EA		4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	443.40	30.17
32 84 23 00-0152	EA		7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	552.39	30.17
32 84 23 00-0153	EA		10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	661.39	30.17
32 84 23 00-0154	EA		13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	770.39	30.17
32 84 23 00-0155	EA		16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	849.22	30.17
32 84 23 00-0156	EA		19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	962.01	30.17
32 84 23 00-0157	EA		22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,074.77	30.17
32 84 23 00-0158			<b>Accessories For ESP-ME/MEI Irrigation Controllers</b> (32 84 23 00-0123)		
32 84 23 00-0159	EA		3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	112.77	
32 84 23 00-0160	EA		6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	217.11	
32 84 23 00-0161	EA		Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG).....	277.20	
32 84 23 00-0162			<b>Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series)</b> (32 84 23 00-0122)		
32 84 23 00-0163			<b>Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series)</b> (32 84 23 00-0162)		
32 84 23 00-0164	EA		12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	631.18	30.17

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0165	EA		16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	767.59	30.17
32 84 23 00-0166	EA		20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	905.99	30.17
32 84 23 00-0167	EA		24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,042.40	30.17
32 84 23 00-0168	EA		28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,180.78	30.17
32 84 23 00-0169	EA		32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,317.21	30.17
32 84 23 00-0170	EA		36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,455.58	30.17
32 84 23 00-0171	EA		40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,592.00	30.17
32 84 23 00-0172	EA		44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,730.38	30.17
32 84 23 00-0173	EA		48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,866.81	30.17
<b>32 84 23 00-0174</b>			<b>Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series)</b> (32 84 23 00-0162)		
32 84 23 00-0175	EA		8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	612.28	30.17
32 84 23 00-0176	EA		12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	748.70	30.17
32 84 23 00-0177	EA		16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	887.07	30.17
32 84 23 00-0178	EA		20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,023.51	30.17
32 84 23 00-0179	EA		24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,161.88	30.17
32 84 23 00-0180	EA		28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,298.30	30.17
32 84 23 00-0181	EA		32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,436.68	30.17
32 84 23 00-0182	EA		36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,573.10	30.17
32 84 23 00-0183	EA		40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,711.48	30.17
32 84 23 00-0184	EA		44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,847.90	30.17
32 84 23 00-0185	EA		48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,986.29	30.17
<b>32 84 23 00-0186</b>			<b>Accessories For ESP-LX/LXME Irrigation Controllers</b> (32 84 23 00-0162)		
32 84 23 00-0187	EA		Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM).....	432.86	
32 84 23 00-0188	EA		Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM).....	997.94	
			Note: Excludes concrete foundation.		
32 84 23 00-0189	EA		Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS).....	927.42	
32 84 23 00-0190	EA		Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS).....	2,055.63	
			Note: Excludes concrete foundation.		
32 84 23 00-0191	EA		4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4).....	136.41	
			Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0192	EA		8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8).....	274.81	
			Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0193	EA		12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12).....	424.68	
			Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0194	EA		Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME).....	153.37	
<b>32 84 23 00-0195</b>			<b>Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series)</b> (32 84 23 00-0122)		
<b>32 84 23 00-0196</b>			<b>Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series)</b> (32 84 23 00-0195)		
32 84 23 00-0197	EA		1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	296.15	30.17
32 84 23 00-0198	EA		2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	360.59	30.17
32 84 23 00-0199	EA		4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	456.16	30.17
<b>32 84 23 00-0200</b>			<b>Accessories For TBOS-II Series Irrigation Controllers</b> (32 84 23 00-0195)		
32 84 23 00-0201	EA		Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS).....	342.77	
32 84 23 00-0202	EA		Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL).....	78.84	22.62
<b>32 84 23 00-0203</b>			<b>Accessories For Irrigation Controllers (Rain Bird®)</b> (32 84 23 00-0122)		
32 84 23 00-0204	EA		Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX).....	122.81	22.62
32 84 23 00-0205	EA		Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC).....	241.90	22.62
32 84 23 00-0206	EA		Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC).....	253.65	22.62
32 84 23 00-0207	EA		Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y).....	355.50	22.62
<b>32 84 23 00-0208</b>			<b>Two-Wire Decoder Systems</b> (32 84 23 00-0120)		
<b>32 84 23 00-0209</b>			<b>Two-Wire Decoder Systems (Rain Bird®)</b> (32 84 23 00-0208)		
<b>32 84 23 00-0210</b>			<b>Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)</b> (32 84 23 00-0209)		
			Note: Includes water resistant cabinet.		
32 84 23 00-0211	EA		50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	1,727.06	30.17
32 84 23 00-0212	EA		125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	2,558.50	30.17
32 84 23 00-0213	EA		200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	3,389.96	30.17
<b>32 84 23 00-0214</b>			<b>Field Decoders For Two-Wire Decoder Systems (Rain Bird®)</b> (32 84 23 00-0209)		
32 84 23 00-0215	EA		One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF).....	218.55	30.17
32 84 23 00-0216	EA		One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF).....	276.73	30.17
32 84 23 00-0217	EA		Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF).....	410.10	30.17



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0218	EA		Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF).....	493.12	30.17
32 84 23 00-0219	EA		Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF).....	803.16	30.17
<b>32 84 23 00-0220</b>			<b>Accessories For Two-Wire Decoder Systems (Rain Bird®)</b> (32 84 23 00-0209)		
32 84 23 00-0221	EA		50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD).....	1,299.87	
32 84 23 00-0222	EA		75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75).....	831.45	
32 84 23 00-0223	EA		Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF).....	166.10	26.39
32 84 23 00-0224	EA		Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF).....	697.28	30.17
<b>32 84 23 00-0225</b>			<b>Rain Bird® Controllers</b> (32 84 23 00-0120)		
32 84 23 00-0226	EA		Rainmaster Evolution Dx2 Controller ..... Note: Includes phone modem and remote plug.	5,592.32	288.62
32 84 23 00-0227	EA		Rainmaster Promax Remote Control System .....	3,140.29	
<b>32 84 23 00-0228</b>			<b>Rain Sensor</b> (32 84 23 00-0120)		
32 84 23 00-0229	EA		Mini Click Rain Sensor.....	139.25	
<b>32 84 23 00-0230</b>			<b>Calsense Controllers</b> (32 84 23 00-0120)		
<b>32 84 23 00-0231</b>			<b>Irrigation Controllers</b> (32 84 23 00-0230)		
32 84 23 00-0232	EA		6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6).....	1,957.68	75.40
32 84 23 00-0233	EA		8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8).....	2,522.79	84.83
32 84 23 00-0234	EA		12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12).....	3,457.68	94.26
32 84 23 00-0235	EA		16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16).....	3,802.24	94.26
32 84 23 00-0236	EA		24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24).....	4,493.41	103.68
32 84 23 00-0237	EA		32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32).....	5,417.85	103.68
32 84 23 00-0238	EA		40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40).....	6,134.23	113.11
32 84 23 00-0239	EA		48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48).....	6,865.38	113.11
32 84 23 00-0240	EA		Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE).....	1,985.40	37.71
32 84 23 00-0241	EA		Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE).....	839.40	37.71
<b>32 84 23 00-0242</b>			<b>Irrigation Controller Accessories</b> (32 84 23 00-0230)		
32 84 23 00-0243	EA		Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1).....	80.68	
32 84 23 00-0244	EA		Spare Lock For Enclosures (Calsense PAD).....	87.40	
32 84 23 00-0245	EA		Hardware And Software For Up To 4 Additional Light Circuits (Calsense L).....	106.25	9.43
32 84 23 00-0246	EA		Transformer For Irrigation Controllers (Calsense TR-1).....	159.44	37.71
32 84 23 00-0247	EA		AC Line Protection For Irrigation Controllers (Calsense TP-110).....	419.96	37.71
32 84 23 00-0248	EA		Transient Protection Board For Irrigation Controller Stations (Calsense TP-1)..... <i>For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add</i>	554.43 344.59	37.71
<b>32 84 23 00-0249</b>			<b>Sensors For Irrigation Controllers</b> (32 84 23 00-0230)		
<b>32 84 23 00-0250</b>			<b>Flow Sensors</b> (32 84 23 00-0249)		
32 84 23 00-0251	EA		1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	970.32 -599.91	56.56
32 84 23 00-0252	EA		2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,003.93 -633.52	56.56
32 84 23 00-0253	EA		3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,037.55 -667.14	56.56
32 84 23 00-0254	EA		1" Brass Tee Mounted Flow Meter (Calsense FM 1B)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,150.90 -780.18	75.40
32 84 23 00-0255	EA		1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,234.94 -864.22	75.40
32 84 23 00-0256	EA		1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,268.55 -897.83	75.40
32 84 23 00-0257	EA		2" Brass Tee Mounted Flow Meter (Calsense FM 2B)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,487.06 -988.15	75.40
32 84 23 00-0258	EA		2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX)..... Note: For 4" and larger pipe. Excludes pipe saddle. <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,151.11 -652.21	37.71
<b>32 84 23 00-0259</b>			<b>Moisture Sensors</b> (32 84 23 00-0249)		
32 84 23 00-0260	EA		Soil Moisture Sensor (Calsense 1000-S).....	409.53	28.28
<b>32 84 23 00-0261</b>			<b>Weather Sensors</b> (32 84 23 00-0249)		
32 84 23 00-0262	EA		Wind Gage, Irrigation Weather Sensor (Calsense WG-1).....	1,117.28	75.40
32 84 23 00-0263	EA		Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1).....	1,301.71	150.82
32 84 23 00-0264	EA		ET Gage, Irrigation Weather Sensor (Calsense ETG).....	2,537.32	113.11
<b>32 84 23 00-0265</b>			<b>Weather Sensor Accessories</b> (32 84 23 00-0249)		
32 84 23 00-0266	EA		Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C).....	747.72	
32 84 23 00-0267	EA		Removal And Replacement Of Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB).....	1,403.23	
32 84 23 00-0268	EA		Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE).....	747.72	37.71
32 84 23 00-0269	EA		Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE).....	1,710.11	37.71

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 84 23 00-0270		<b>Antennas For Irrigation Controllers</b> (32 84 23 00-0230)			
		Note: Excludes antenna cable.			
32 84 23 00-0271	EA	Local Radio Dome Antenna (Calsense LR-DOME).....	394.75		37.71
32 84 23 00-0272	EA	Local Radio Stick Antenna (Calsense LR-STICK).....	571.24		37.71
32 84 23 00-0273	EA	Local Radio Yagi Antenna (Calsense LR-YAGI).....	646.66		75.40
32 84 23 00-0274	EA	Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR).....	394.75		37.71
32 84 23 00-0275	EA	Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE).....	394.75		37.71
32 84 23 00-0276	EA	GPRS Stubby Antenna (Calsense GR-STUBBY).....	394.75		37.71
32 84 23 00-0277	EA	GPRS Stick Antenna (Calsense GR-STICK).....	571.24		37.71
32 84 23 00-0278	EA	Spread Spectrum Dome Antenna (Calsense SR-DOME).....	394.75		37.71
32 84 23 00-0279	EA	Spread Spectrum Stick Antenna (Calsense SR-STICK).....	571.24		37.71
32 84 23 00-0280	EA	Spread Spectrum Yagi Antenna (Calsense SR-YAGI).....	646.66		75.40
32 84 23 00-0281	EA	Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR).....	394.75		37.71
32 84 23 00-0282	EA	Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE).....	394.75		37.71
32 84 23 00-0283	EA	Spread Spectrum Stubby Antenna (Calsense SR-STUBBY).....	394.75		37.71
32 84 23 00-0284	EA	WiFi Stubby Antenna (Calsense WEN-STUBBY).....	394.75		37.71
32 84 23 00-0285	LF	Antenna Cable With End Connectors (Calsense LMR-400-DB).....	10.65		0.45
32 84 23 00-0286	EA	Surge Protection Device For Antenna (Calsense ANT-PROT).....	390.68		18.85
32 84 23 00-0287	EA	5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5).....	638.47		37.71
32 84 23 00-0288	EA	3' Antenna Stand Off Mount For 3' Maximum Tower Leg (Calsense ANT-SOM).....	546.26		
32 84 23 00-0289	EA	Local Radio Frequency Filter (Calsense LR-FILTER).....	773.17		
32 84 23 00-0290	EA	Spread Spectrum Frequency Filter (Calsense SR-FILTER).....	571.47		
32 84 23 00-0291		<b>Pedestals And Enclosures For Irrigation Controllers</b> (32 84 23 00-0230)			
32 84 23 00-0292	EA	15 Amp, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER).....	365.23		56.56
32 84 23 00-0293	EA	Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX).....	876.12		94.26
32 84 23 00-0294	EA	Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP).....	957.82		37.71
		Note: Includes GFI and receptacle.			
32 84 23 00-0295	EA	Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1).....	1,140.68		28.28
		Note: Includes factory installed transient protection board and AC line protection.			
32 84 23 00-0296	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE).....	3,562.17		28.28
		Note: Includes factory installed transient protection board and AC line protection.			
32 84 23 00-0297	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R).....	4,023.25		28.28
		Note: Includes factory installed transient protection board, AC line protection and dome antenna.			
32 84 23 00-0298	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D).....	5,840.82		56.56
		Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.			
32 84 23 00-0299	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R).....	6,121.59		56.56
		Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.			
32 84 23 00-0300	EA	Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM).....	202.21		
32 84 23 00-0301	EA	Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED).....	653.24		
32 84 23 00-0302		<b>Central Computer For Irrigation Control Systems</b> (32 84 23 00-0230)			
32 84 23 00-0303	EA	Central Computer For Irrigation Control Systems (Calsense COMP-2).....	4,491.32		
		Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.			
32 84 23 00-0304	EA	Command Center Water Management Software For Central Computer (Calsense COMM-1).....	7,944.60		
32 84 23 00-0305	EA	Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5).....	1,527.51		
		Note: Package price for up to 5 users. Includes remote communication through internet connection.			
32 84 23 00-0306	EA	>5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10).....	3,002.22		
		Note: Package price for 6 to 10 users. Includes remote communication through internet connection.			
32 84 23 00-0307	EA	Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2).....	4,832.05		
32 84 23 00-0308	EA	GPRS Radio For Use At Central Computer (Calsense DTR-G).....	2,887.92		
32 84 23 00-0309		<b>Data Access Service</b> (32 84 23 00-0230)			
32 84 23 00-0310	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN).....	24.45		
		Note: For communication between GPRS unit and up to 2 controllers.			
32 84 23 00-0311	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR).....	267.40		
		Note: For communication between GPRS unit and up to 2 controllers.			
32 84 23 00-0312	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR).....	1,146.00		
		Note: For communication between GPRS unit and up to 2 controllers.			
32 84 23 00-0313	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M).....	99.32		
		Note: For communication between GPRS unit and multiple controllers.			
32 84 23 00-0314	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M).....	1,069.60		
		Note: For communication between GPRS unit and multiple controllers.			
32 84 23 00-0315	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M).....	4,584.00		
		Note: For communication between GPRS unit and multiple controllers.			
32 84 23 00-0316		<b>Communication Options For Irrigation Controllers</b> (32 84 23 00-0230)			
32 84 23 00-0317	EA	FCC License Fee (Calsense).....	167.59		
32 84 23 00-0318	EA	P.C.I.A. And/Or A.P.C.O. Fee (Calsense).....	320.39		
		Note: Per frequency or frequency pair.			
32 84 23 00-0319	EA	Hardware Communication Option For Irrigation Controllers (Calsense M).....	886.24		
		Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.			
32 84 23 00-0320	EA	Phone Line Communication Option For Irrigation Controllers (Calsense R).....	932.08		
32 84 23 00-0321	EA	Ethernet Communication Option For Irrigation Controllers (Calsense EN).....	932.08		
32 84 23 00-0322	EA	WiFi Communication Option For Irrigation Controllers (Calsense WEN).....	1,910.00		
32 84 23 00-0323	EA	Local Radio Communication Option For Irrigation Controllers (Calsense LR).....	2,429.52		
32 84 23 00-0324	EA	Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR).....	2,429.52		
32 84 23 00-0325	EA	GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR).....	2,429.52		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0326	EA		Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM) .....	7,792.80	
32 84 23 00-0327	EA		Communication Hub For Irrigation Controllers (Calsense HUB) .....	3,005.85	
Note: Accepts up to two communication options. Excludes communication options.					
<b>32 84 23 00-0328</b>			<b>Retrofit Options For Irrigation Controllers</b> (32 84 23 00-0230)		
<b>32 84 23 00-0329</b>			<b>Weather Retrofits For Irrigation Controllers</b> (32 84 23 00-0328)		
32 84 23 00-0330	EA		Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO).....	1,198.48	
32 84 23 00-0331	EA		Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO) .....	1,198.48	
32 84 23 00-0332	EA		Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO).....	1,198.48	
32 84 23 00-0333	EA		Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO).....	1,198.48	
<b>32 84 23 00-0334</b>			<b>Phone Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0328)		
32 84 23 00-0335	EA		Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO) .....	1,259.60	
32 84 23 00-0336	EA		Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO) .....	1,488.80	
32 84 23 00-0337	EA		Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO) .....	2,382.68	
<b>32 84 23 00-0338</b>			<b>Local Radio Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0328)		
32 84 23 00-0339	EA		Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO).....	1,412.40	
32 84 23 00-0340	EA		Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO) .....	2,970.96	
32 84 23 00-0341	EA		Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO).....	3,857.20	
<b>32 84 23 00-0342</b>			<b>Spread Spectrum Radio Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0328)		
32 84 23 00-0343	EA		Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro).....	1,412.40	
32 84 23 00-0344	EA		Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO).....	2,970.96	
32 84 23 00-0345	EA		Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO).....	3,857.20	
<b>32 84 23 00-0346</b>			<b>Ethernet Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0328)		
32 84 23 00-0347	EA		Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro) .....	1,412.40	
32 84 23 00-0348	EA		Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO) .....	1,488.80	
32 84 23 00-0349	EA		Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO).....	2,382.68	
<b>32 84 23 00-0350</b>			<b>GPRS Radio Modem Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0328)		
32 84 23 00-0351	EA		Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO).....	1,412.40	
32 84 23 00-0352	EA		Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO) .....	2,970.96	
32 84 23 00-0353	EA		Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO) .....	3,857.20	
<b>32 84 23 00-0354</b>			<b>Radio Remote Units For Irrigation Controllers</b> (32 84 23 00-0230)		
32 84 23 00-0355	EA		Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRE-TRAN) .....	1,420.04	
32 84 23 00-0356	EA		Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRE).....	302.54	
Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.					
32 84 23 00-0357	EA		Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG) .....	129.88	
32 84 23 00-0358	EA		Removal And Replacement Of Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT).....	232.77	
32 84 23 00-0359	EA		Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT) .....	148.73	9.43
Note: Excludes antenna cable.					
32 84 23 00-0360	EA		Whip Antenna For Radio Remote Receiver Board (Calsense RRE-WHIP).....	286.25	9.43
Note: Excludes antenna cable.					
32 84 23 00-0361	EA		Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRE-Dome) .....	309.17	9.43
Note: Excludes antenna cable.					
<b>32 84 23 00-0362</b>			<b>Satellite Irrigation Controllers (Rain Bird® ESP-SAT)</b> (32 84 23 00-0120)		
Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.					
32 84 23 00-0363	EA		12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS).....	3,351.21	169.67
32 84 23 00-0364	EA		24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS).....	3,534.19	179.10
32 84 23 00-0365	EA		40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS).....	4,895.31	188.52
<b>32 84 23 00-0366</b>			<b>LEIT Controllers</b> (32 84 23 00-0120)		
<b>32 84 23 00-0367</b>			<b>LEIT X Series Irrigation Controller</b> (32 84 23 00-0366)		
32 84 23 00-0368	EA		10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) .....	3,140.78	30.17
32 84 23 00-0369	EA		12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) .....	3,445.06	30.17
32 84 23 00-0370	EA		16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) .....	3,946.71	30.17
32 84 23 00-0371	EA		20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) .....	4,448.38	30.17
32 84 23 00-0372	EA		24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) .....	4,805.43	30.17

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0373 EA 28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) .....	5,162.49	30.17
<b>32 84 23 00-0374 LEIT X Series Irrigation Controller Assembly</b> <small>(32 84 23 00-0366)</small>		
Note: Includes excavation and concrete for footing, 2" diameter galvanized steel pole (minimum 18" bury), 2" sweeps, controller, and number 5 concrete box with non-traffic rated lid per detail.		
32 84 23 00-0375 EA 10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole .....	3,597.68	157.30
32 84 23 00-0376 EA 12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole .....	3,901.95	157.30
32 84 23 00-0377 EA 16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole .....	4,403.60	157.30
32 84 23 00-0378 EA 20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole .....	4,905.26	157.30
32 84 23 00-0379 EA 24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole .....	5,262.33	157.30
32 84 23 00-0380 EA 28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole .....	5,619.38	157.30
<b>32 84 23 00-0381 Enclosure For LEIT Controller Assembly</b> <small>(32 84 23 00-0366)</small>		
Note: Includes mounting bolts to concrete foundation and installation of enclosure per detail.		
32 84 23 00-0382 EA 12" x 12" x 54" Milled Steel, #9 Expanded Metal, Painted Per Detail, Enclosure With Access Hatch .....	2,429.30	212.25
Note: For LEIT Controller		
<b>32 84 23 00-0383 Hunter Controllers</b> <small>(32 84 23 00-0120)</small>		
<b>32 84 23 00-0384 Hunter XC Hybrid Controller</b> <small>(32 84 23 00-0383)</small>		
Note: Operates DC latching solenoids with battery power or a plug in 24 VAC transformer. Includes 6 AA batteries, outdoor stainless steel enclosure and installation of controller in Irrigation Controller Enclosure.		
32 84 23 00-0385 EA 6 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-600-SS).....	533.94	75.40
32 84 23 00-0386 EA 12 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-1200-SS).....	678.94	94.26
<b>32 84 23 00-0387 DC Latching Solenoid</b> <small>(32 84 23 00-0120)</small>		
32 84 23 00-0388 EA DC Latching Solenoid (Micro Power Solenoid) For Non LEIT Controllers.....	31.30	
Note: As per manufacture of valve.		
32 84 23 00-0389 EA DC Solenoid For LEIT Controllers (DIG S-305DC) .....	47.59	
<b>32 84 23 00-0390 Irrigation Controller Enclosure Cabinet</b> <small>(32 84 23 00-0120)</small>		
Note: Includes excavation, installation of concrete foundation, mounting bolts, sweeps, number 5 concrete pull box with non-traffic rated lid and installation of enclosure per detail.		
32 84 23 00-0391 EA 35" (H) x 18" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan).....	2,407.56	414.37
32 84 23 00-0392 EA 35" (H) x 24" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan) .....	2,600.77	452.05
32 84 23 00-0393 EA 35" (H) x 36" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan) .....	2,875.27	489.71
32 84 23 00-0394 EA 35" (H) x 18" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Irrigation Controller Enclosure Cabinet .....	2,407.58	414.37
32 84 23 00-0395 EA 35" (H) x 24" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet .....	2,600.77	452.05
32 84 23 00-0396 EA 35" (H) x 36" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet .....	2,875.27	489.71
32 84 23 00-0397 EA 35" (H) x 18" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet .....	2,961.06	414.37
32 84 23 00-0398 EA 35" (H) x 24" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet .....	3,223.44	452.05
32 84 23 00-0399 EA 35" (H) x 36" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet .....	3,497.94	489.71
<b>32 84 23 00-0400 Irrigation Valves</b> <small>(32 84 23)</small>		
<b>32 84 23 00-0401 Reduced Pressure Zone Valves With QT Shut-Offs</b> <small>(32 84 23 00-0400)</small>		
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0402 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series).....	602.66	38.66
32 84 23 00-0403 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....	715.60	47.21
32 84 23 00-0404 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....	1,074.77	54.95
32 84 23 00-0405 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....	1,138.19	63.08
32 84 23 00-0406 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....	1,368.20	81.40
<b>32 84 23 00-0407 Brass Quick-Coupling Irrigation Valves</b> <small>(32 84 23 00-0400)</small>		
32 84 23 00-0408 EA 3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC) .....	139.78	33.73
<i>For Valve Key, Add</i>		
	37.22	
32 84 23 00-0409 EA 3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC).....	144.08	33.73
<i>For Locking Cover, Add</i>		
	25.00	
<i>For Valve Key, Add</i>		
	37.22	
32 84 23 00-0410 EA 1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC) .....	191.43	33.73
<i>For Valve Key, Add</i>		
	95.20	
32 84 23 00-0411 EA 1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC) .....	208.65	33.73
<i>For Valve Key, Add</i>		
	95.20	
32 84 23 00-0412 EA 1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP).....	200.54	33.73
32 84 23 00-0413 EA 1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP).....	208.65	33.73
<b>32 84 23 00-0414 Anti-Siphon Pressure Type Vacuum Breaker</b> <small>(32 84 23 00-0400)</small>		
Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0415 EA 3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT) .....	233.88	28.49
32 84 23 00-0416 EA 1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT) .....	333.80	32.56
32 84 23 00-0417 EA 1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT) .....	602.39	37.64
32 84 23 00-0418 EA 1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT) .....	733.43	41.71
32 84 23 00-0419 EA 2" Anti-Siphon Pressure Type Vacuum Breaker .....	740.96	50.88

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 84 23 00-0420			<b>Aluminum Cam And Groove Adapter</b> (32 84 23 00-0400)		
32 84 23 00-0421	EA		1-1/2" Type A Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Female Pipe Thread .....	35.15	
32 84 23 00-0422	EA		2" Type A Aluminum Cam And Groove Male Adapter x 2" NPT Female Pipe Thread .....	37.09	
32 84 23 00-0423	EA		1-1/2" Type F Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Male Pipe Thread .....	36.03	
32 84 23 00-0424	EA		2" Type F Aluminum Cam And Groove Male Adapter x 2" NPT Male Pipe Thread .....	38.73	

32 84 23 00-0425			<b>Manual Sprinkler Control Valves</b> (32 84 23 00-0400)		
32 84 23 00-0426	EA		3/4" Manual Sprinkler Control Valves, With Union .....	79.07	27.47
32 84 23 00-0427	EA		1" Manual Sprinkler Control Valves, With Union .....	96.32	29.51
32 84 23 00-0428	EA		1-1/4" Manual Sprinkler Control Valves, With Union .....	145.34	37.34
32 84 23 00-0429	EA		1-1/2" Manual Sprinkler Control Valves, With Union .....	171.93	43.05
32 84 23 00-0430	EA		2" Manual Sprinkler Control Valves, With Union .....	228.56	50.88

32 84 23 00-0431 Irrigation Piping (32 84 23)

32 84 23 00-0432 Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0431)  
 Note: Install stabilizers every 20', at change of direction and at sprinkler heads less than 12" tall.

32 84 23 00-0433 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0432)

32 84 23 00-0434	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	2.65	0.94
			For >1,000, Deduct	-0.13	
32 84 23 00-0435	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	3.24	1.17
			For >1,000, Deduct	-0.16	
32 84 23 00-0436	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	3.90	1.40
			For >1,000, Deduct	-0.20	
32 84 23 00-0437	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	5.17	1.78
			For >1,000, Deduct	-0.26	
32 84 23 00-0438	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	6.49	2.23
			For >1,000, Deduct	-0.32	
32 84 23 00-0439	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	8.22	2.60
			For >1,000, Deduct	-0.41	
32 84 23 00-0440	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	11.31	3.75
			For >1,000, Deduct	-0.57	
32 84 23 00-0441	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	14.73	4.69
			For >1,000, Deduct	-0.74	
32 84 23 00-0442	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	20.84	5.86
			For >1,000, Deduct	-1.04	

32 84 23 00-0443 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0432)

32 84 23 00-0444	LF		3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers .....	3.07	1.17
			For >1,000, Deduct	-0.15	
32 84 23 00-0445	LF		1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers .....	3.62	1.40
			For >1,000, Deduct	-0.18	
32 84 23 00-0446	LF		1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers .....	4.97	1.78
			For >1,000, Deduct	-0.25	
32 84 23 00-0447	LF		2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers .....	6.32	2.23
			For >1,000, Deduct	-0.32	
32 84 23 00-0448	LF		2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers .....	7.96	2.60
			For >1,000, Deduct	-0.40	
32 84 23 00-0449	LF		3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	11.21	3.75
			For >1,000, Deduct	-0.56	
32 84 23 00-0450	LF		4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	15.26	4.69
			For >1,000, Deduct	-0.76	
32 84 23 00-0451	LF		6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	24.17	5.86
			For >1,000, Deduct	-1.21	

32 84 23 00-0452 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0432)

32 84 23 00-0453	LF		3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	3.21	1.17
			For >1,000, Deduct	-0.16	
32 84 23 00-0454	LF		1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	3.81	1.40
			For >1,000, Deduct	-0.19	
32 84 23 00-0455	LF		1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	5.34	1.78
			For >1,000, Deduct	-0.27	
32 84 23 00-0456	LF		2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	6.94	2.23
			For >1,000, Deduct	-0.35	
32 84 23 00-0457	LF		2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	8.94	2.60
			For >1,000, Deduct	-0.45	
32 84 23 00-0458	LF		3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	11.31	3.75
			For >1,000, Deduct	-0.57	
32 84 23 00-0459	LF		4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	14.73	4.69
			For >1,000, Deduct	-0.74	
32 84 23 00-0460	LF		6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	21.16	5.86
			For >1,000, Deduct	-1.06	

32 84 23 00-0461 Irrigation Piping With Fittings, Trenching, Cover, Backfilled And Compacted (32 84 23 00-0431)  
 Note: Install thrust blocks per Caltrans details for 3" piping and larger, upstream of remote control valve.

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0462			<b>Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted</b> (32 84 23 00-0461)		
32 84 23 00-0463	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	5.14	1.17
			<i>For &gt;1,000, Deduct</i>	-0.26	
32 84 23 00-0464	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	5.80	1.40
			<i>For &gt;1,000, Deduct</i>	-0.29	
32 84 23 00-0465	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	7.07	1.78
			<i>For &gt;1,000, Deduct</i>	-0.35	
32 84 23 00-0466	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	8.37	2.23
			<i>For &gt;1,000, Deduct</i>	-0.42	
32 84 23 00-0467	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	10.12	2.60
			<i>For &gt;1,000, Deduct</i>	-0.51	
32 84 23 00-0468	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	13.21	3.75
			<i>For &gt;1,000, Deduct</i>	-0.66	
32 84 23 00-0469	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	16.62	4.69
			<i>For &gt;1,000, Deduct</i>	-0.83	
32 84 23 00-0470	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	22.72	5.86
			<i>For &gt;1,000, Deduct</i>	-1.14	
32 84 23 00-0471			<b>Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted</b> (32 84 23 00-0461)		
32 84 23 00-0472	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	5.36	1.17
			<i>For &gt;1,000, Deduct</i>	-0.27	
32 84 23 00-0473	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	6.02	1.40
			<i>For &gt;1,000, Deduct</i>	-0.30	
32 84 23 00-0474	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	7.29	1.78
			<i>For &gt;1,000, Deduct</i>	-0.36	
32 84 23 00-0475	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	8.59	2.23
			<i>For &gt;1,000, Deduct</i>	-0.43	
32 84 23 00-0476	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	10.34	2.60
			<i>For &gt;1,000, Deduct</i>	-0.52	
32 84 23 00-0477	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	13.43	3.75
			<i>For &gt;1,000, Deduct</i>	-0.67	
32 84 23 00-0478	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	16.84	4.69
			<i>For &gt;1,000, Deduct</i>	-0.84	
32 84 23 00-0479	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	22.94	5.86
			<i>For &gt;1,000, Deduct</i>	-1.15	
32 84 23 00-0480			<b>Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted</b> (32 84 23 00-0461)		
32 84 23 00-0481	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	5.58	1.17
			<i>For &gt;1,000, Deduct</i>	-0.28	
32 84 23 00-0482	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	6.24	1.40
			<i>For &gt;1,000, Deduct</i>	-0.31	
32 84 23 00-0483	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	7.51	1.78
			<i>For &gt;1,000, Deduct</i>	-0.38	
32 84 23 00-0484	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	8.81	2.23
			<i>For &gt;1,000, Deduct</i>	-0.44	
32 84 23 00-0485	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	10.56	2.60
			<i>For &gt;1,000, Deduct</i>	-0.53	
32 84 23 00-0486	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	13.65	3.75
			<i>For &gt;1,000, Deduct</i>	-0.68	
32 84 23 00-0487	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	17.07	4.69
			<i>For &gt;1,000, Deduct</i>	-0.85	
32 84 23 00-0488	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	23.16	5.86
			<i>For &gt;1,000, Deduct</i>	-1.16	
32 84 23 00-0489			<b>Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted</b> (32 84 23 00-0461)		
32 84 23 00-0490	LF		3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	5.05	1.17
			<i>For &gt;1,000, Deduct</i>	-0.25	
32 84 23 00-0491	LF		1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	5.66	1.40
			<i>For &gt;1,000, Deduct</i>	-0.28	
32 84 23 00-0492	LF		1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	7.08	1.78
			<i>For &gt;1,000, Deduct</i>	-0.35	
32 84 23 00-0493	LF		2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	8.67	2.23
			<i>For &gt;1,000, Deduct</i>	-0.43	
32 84 23 00-0494	LF		2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	10.60	2.60
			<i>For &gt;1,000, Deduct</i>	-0.53	
32 84 23 00-0495	LF		3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	13.11	3.75
			<i>For &gt;1,000, Deduct</i>	-0.66	
32 84 23 00-0496	LF		4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	17.15	4.69
			<i>For &gt;1,000, Deduct</i>	-0.86	
32 84 23 00-0497	LF		6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	26.05	5.86
			<i>For &gt;1,000, Deduct</i>	-1.30	
32 84 23 00-0498			<b>Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted</b> (32 84 23 00-0461)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0499	LF		3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	5.27	1.17
			<i>For &gt;1,000, Deduct</i>	-0.26	
32 84 23 00-0500	LF		1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	5.88	1.40
			<i>For &gt;1,000, Deduct</i>	-0.29	
32 84 23 00-0501	LF		1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	7.30	1.78
			<i>For &gt;1,000, Deduct</i>	-0.37	
32 84 23 00-0502	LF		2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	8.89	2.23
			<i>For &gt;1,000, Deduct</i>	-0.44	
32 84 23 00-0503	LF		2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	10.82	2.60
			<i>For &gt;1,000, Deduct</i>	-0.54	
32 84 23 00-0504	LF		3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	13.33	3.75
			<i>For &gt;1,000, Deduct</i>	-0.67	
32 84 23 00-0505	LF		4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	17.37	4.69
			<i>For &gt;1,000, Deduct</i>	-0.87	
32 84 23 00-0506	LF		6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	26.27	5.86
			<i>For &gt;1,000, Deduct</i>	-1.31	
<b>32 84 23 00-0507</b>			<b>Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted</b> <small>(32 84 23 00-0461)</small>		
32 84 23 00-0508	LF		3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	5.49	1.17
			<i>For &gt;1,000, Deduct</i>	-0.27	
32 84 23 00-0509	LF		1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	6.10	1.40
			<i>For &gt;1,000, Deduct</i>	-0.31	
32 84 23 00-0510	LF		1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	7.52	1.78
			<i>For &gt;1,000, Deduct</i>	-0.38	
32 84 23 00-0511	LF		2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	9.11	2.23
			<i>For &gt;1,000, Deduct</i>	-0.46	
32 84 23 00-0512	LF		2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	11.04	2.60
			<i>For &gt;1,000, Deduct</i>	-0.55	
32 84 23 00-0513	LF		3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	13.55	3.75
			<i>For &gt;1,000, Deduct</i>	-0.68	
32 84 23 00-0514	LF		4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	17.60	4.69
			<i>For &gt;1,000, Deduct</i>	-0.88	
32 84 23 00-0515	LF		6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	26.49	5.86
			<i>For &gt;1,000, Deduct</i>	-1.32	
<b>32 84 23 00-0516</b>			<b>Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted</b> <small>(32 84 23 00-0461)</small>		
32 84 23 00-0517	LF		3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	5.11	1.17
			<i>For &gt;1,000, Deduct</i>	-0.26	
32 84 23 00-0518	LF		1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	5.71	1.40
			<i>For &gt;1,000, Deduct</i>	-0.29	
32 84 23 00-0519	LF		1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	7.24	1.78
			<i>For &gt;1,000, Deduct</i>	-0.36	
32 84 23 00-0520	LF		2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	8.82	2.23
			<i>For &gt;1,000, Deduct</i>	-0.44	
32 84 23 00-0521	LF		2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	10.84	2.60
			<i>For &gt;1,000, Deduct</i>	-0.54	
32 84 23 00-0522	LF		3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	13.21	3.75
			<i>For &gt;1,000, Deduct</i>	-0.66	
32 84 23 00-0523	LF		4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	16.62	4.69
			<i>For &gt;1,000, Deduct</i>	-0.83	
32 84 23 00-0524	LF		6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	23.04	5.86
			<i>For &gt;1,000, Deduct</i>	-1.15	
<b>32 84 23 00-0525</b>			<b>Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted</b> <small>(32 84 23 00-0461)</small>		
32 84 23 00-0526	LF		3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	5.33	1.17
			<i>For &gt;1,000, Deduct</i>	-0.27	
32 84 23 00-0527	LF		1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	5.93	1.40
			<i>For &gt;1,000, Deduct</i>	-0.30	
32 84 23 00-0528	LF		1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	7.46	1.78
			<i>For &gt;1,000, Deduct</i>	-0.37	
32 84 23 00-0529	LF		2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	9.04	2.23
			<i>For &gt;1,000, Deduct</i>	-0.45	
32 84 23 00-0530	LF		2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	11.06	2.60
			<i>For &gt;1,000, Deduct</i>	-0.55	
32 84 23 00-0531	LF		3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	13.43	3.75
			<i>For &gt;1,000, Deduct</i>	-0.67	
32 84 23 00-0532	LF		4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	16.84	4.69
			<i>For &gt;1,000, Deduct</i>	-0.84	

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0533	LF		6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	23.26	5.86
			<i>For &gt;1,000, Deduct</i>	-1.16	
<b>32 84 23 00-0534</b>			<b>Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted</b> <small>(32 84 23 00-0461)</small>		
32 84 23 00-0535	LF		3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	5.55	1.17
			<i>For &gt;1,000, Deduct</i>	-0.28	
32 84 23 00-0536	LF		1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	6.15	1.40
			<i>For &gt;1,000, Deduct</i>	-0.31	
32 84 23 00-0537	LF		1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	7.68	1.78
			<i>For &gt;1,000, Deduct</i>	-0.38	
32 84 23 00-0538	LF		2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	9.26	2.23
			<i>For &gt;1,000, Deduct</i>	-0.46	
32 84 23 00-0539	LF		2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	11.28	2.60
			<i>For &gt;1,000, Deduct</i>	-0.56	
32 84 23 00-0540	LF		3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	13.65	3.75
			<i>For &gt;1,000, Deduct</i>	-0.68	
32 84 23 00-0541	LF		4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	17.07	4.69
			<i>For &gt;1,000, Deduct</i>	-0.85	
32 84 23 00-0542	LF		6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	23.48	5.86
			<i>For &gt;1,000, Deduct</i>	-1.17	
<b>32 84 23 00-0543</b>			<b>Irrigation Riser Piping With Fittings</b> <small>(32 84 23 00-0431)</small>		
32 84 23 00-0544	EA		1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV.....	14.56	2.81
			Note: Includes #4 steel reinforcing bar, stainless steel hose clamp		
32 84 23 00-0545	EA		3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV.....	15.76	3.51
			Note: Includes #4 steel reinforcing bar, stainless steel hose clamp		
32 84 23 00-0546	EA		1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV.....	15.67	3.28
			Note: Includes #4 steel reinforcing bar, stainless steel hose clamp		
32 84 23 00-0547	EA		3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV.....	17.14	4.10
			Note: Includes #4 steel reinforcing bar, stainless steel hose clamp		
32 84 23 00-0548	EA		1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I.....	31.15	4.92
			Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0549	EA		3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I.....	33.23	6.15
			Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0550	EA		1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I.....	36.62	6.32
			Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0551	EA		3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I.....	39.30	7.91
			Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0552	EA		1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I.....	42.10	7.73
			Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0553	EA		3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I.....	45.38	9.67
			Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
<b>32 84 23 00-0554</b>			<b>Irrigation Crossover Piping With Fittings</b> <small>(32 84 23 00-0431)</small>		
			Note: Install per Caltrans details. Includes thrust blocks, HDPE sleeve pipe and fittings, 3" pvc irrigation piping and 1" electrical pvc conduit. Excludes #5 concrete irrigation pull boxes on ends, electrical control wiring. See CSI section 32 84 23 00-0105 for #5 concrete pull box, 32 84 23 00-0598 for irrigation wiring.		
<b>32 84 23 00-0555</b>			<b>Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench</b> <small>(32 84 23 00-0554)</small>		
32 84 23 00-0556	LF		6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation.....	29.01	
			<i>For &gt;1,000, Deduct</i>	-1.45	
32 84 23 00-0557	LF		8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation.....	40.31	
			<i>For &gt;1,000, Deduct</i>	-2.02	
32 84 23 00-0558	LF		10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation.....	54.77	
			<i>For &gt;1,000, Deduct</i>	-2.74	
32 84 23 00-0559	LF		12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation.....	71.73	
			<i>For &gt;1,000, Deduct</i>	-3.59	
<b>32 84 23 00-0560</b>			<b>Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench</b> <small>(32 84 23 00-0554)</small>		
32 84 23 00-0561	LF		6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	29.67	
			<i>For &gt;1,000, Deduct</i>	-1.48	
32 84 23 00-0562	LF		8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	41.05	
			<i>For &gt;1,000, Deduct</i>	-2.05	
32 84 23 00-0563	LF		10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	55.58	
			<i>For &gt;1,000, Deduct</i>	-2.78	
32 84 23 00-0564	LF		12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	72.62	
			<i>For &gt;1,000, Deduct</i>	-3.63	
<b>32 84 23 00-0565</b>			<b>Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench</b> <small>(32 84 23 00-0554)</small>		
32 84 23 00-0566	LF		6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation.....	30.33	
			<i>For &gt;1,000, Deduct</i>	-1.52	
32 84 23 00-0567	LF		8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	41.78	
			<i>For &gt;1,000, Deduct</i>	-2.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0568	LF		10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation..... <i>For &gt;1,000, Deduct</i>	56.39	-2.82
32 84 23 00-0569	LF		12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation..... <i>For &gt;1,000, Deduct</i>	73.51	-3.68
<b>32 84 23 00-0570</b>			<b>Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore</b> <small>(32 84 23 00-0554)</small>		
32 84 23 00-0571	LF		6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation ..... <i>For &gt;1,000, Deduct</i>	78.09	-3.90
32 84 23 00-0572	LF		8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation ..... <i>For &gt;1,000, Deduct</i>	99.31	-4.97
32 84 23 00-0573	LF		10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation ..... <i>For &gt;1,000, Deduct</i>	118.67	-5.93
32 84 23 00-0574	LF		12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation ..... <i>For &gt;1,000, Deduct</i>	140.53	-7.03
<b>32 84 23 00-0575</b>			<b>Below Ground Cam Adapter Assembly</b> <small>(32 84 23 00-0431)</small> Note: Includes minimum 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0576	EA		Below Ground Cam Adapter Assembly..... Note: Includes 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.	597.64	
<b>32 84 23 00-0577</b>			<b>Above Ground Cam Adapter Assembly</b> <small>(32 84 23 00-0431)</small> Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0578	EA		Above Ground Cam Adapter Assembly ..... Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.	376.98	
<b>32 84 23 00-0579</b>			<b>Thrust Block</b> <small>(32 84 23 00-0431)</small>		
32 84 23 00-0580	EA		Thrust Block For 1-1/2" Pipe Size And Smaller.....	32.10	
32 84 23 00-0581	EA		Thrust Block For 2" Pipe .....	55.09	
32 84 23 00-0582	EA		Thrust Block For 3" And 4" Pipe.....	78.06	
32 84 23 00-0583	EA		Thrust Block For 6" Pipe .....	124.43	
32 84 23 00-0584	EA		Thrust Block For 8" Pipe .....	176.38	
<b>32 84 23 00-0585</b>			<b>Irrigation Swing Joints</b> <small>(32 84 23)</small>		
32 84 23 00-0586	EA		3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075) .....	53.29	18.65
32 84 23 00-0587	EA		1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12) .....	60.60	20.82
32 84 23 00-0588	EA		1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS).....	80.86	20.82
32 84 23 00-0589	EA		1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I..... Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	38.97	24.31
32 84 23 00-0590	EA		3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I..... Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	52.06	32.42
32 84 23 00-0591	EA		1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I..... Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	65.35	39.76
32 84 23 00-0592	EA		1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II..... Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	55.51	24.69
32 84 23 00-0593	EA		3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II..... Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	73.40	32.75
32 84 23 00-0594	EA		1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II..... Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	90.18	40.16
32 84 23 00-0595	EA		1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III..... Note: Consists of two street 90 degree elbows.	31.43	15.12
32 84 23 00-0596	EA		3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III..... Note: Consists of two street 90 degree elbows.	42.00	20.16
32 84 23 00-0597	EA		1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III..... Note: Consists of two street 90 degree elbows.	49.80	24.99
<b>32 84 23 00-0598</b>			<b>Irrigation Control Wire</b> <small>(32 84 23)</small> Note: Excludes excavation and backfill.		
<b>32 84 23 00-0599</b>			<b>18 AWG, Irrigation Control Wire, Buried In Trench</b> <small>(32 84 23 00-0598)</small>		
32 84 23 00-0600	CLF		1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	42.26	14.06
32 84 23 00-0601	CLF		2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	54.81	16.40
32 84 23 00-0602	CLF		3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	63.02	18.75
32 84 23 00-0603	CLF		4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	72.04	21.09
32 84 23 00-0604	CLF		5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	81.82	23.43
32 84 23 00-0605	CLF		6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	97.13	25.77
32 84 23 00-0606	CLF		7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	111.84	28.11
32 84 23 00-0607	CLF		8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	121.48	30.45
32 84 23 00-0608	CLF		9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	133.20	32.80
32 84 23 00-0609	CLF		10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	146.55	35.14
32 84 23 00-0610	CLF		11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	151.99	37.48

**32 Exterior Improvements**

**32 80 Irrigation**

**32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0611	CLF		12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	158.26	39.82
32 84 23 00-0612	CLF		13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	167.02	42.17
<b>32 84 23 00-0613</b>			<b>16 AWG, Irrigation Control Wire, Buried In Trench</b> <small>(32 84 23 00-0598)</small>		
32 84 23 00-0614	CLF		1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench.....	44.35	14.06
<b>32 84 23 00-0615</b>			<b>14 AWG, Irrigation Control Wire, Buried In Trench</b> <small>(32 84 23 00-0598)</small>		
32 84 23 00-0616	CLF		1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench.....	44.35	14.06
<b>32 84 23 00-0617</b>			<b>12 AWG, Irrigation Control Wire, Buried In Trench</b> <small>(32 84 23 00-0598)</small>		
32 84 23 00-0618	CLF		1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench.....	58.18	14.06
<b>32 84 23 00-0619</b>			<b>10 AWG, Irrigation Control Wire, Buried In Trench</b> <small>(32 84 23 00-0598)</small>		
32 84 23 00-0620	CLF		1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench.....	75.69	14.06
<b>32 84 23 00-0621</b>			<b>Root Watering Systems</b> <small>(32 84 23)</small>		
			Note: Includes swing assembly.		
32 84 23 00-0622	EA		0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401).....	85.80	18.75
			For Root Watering Sand Sock, Add	4.57	
32 84 23 00-0623	EA		0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401).....	92.50	18.75
			For Root Watering Sand Sock, Add	4.57	
32 84 23 00-0624	EA		0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402).....	85.80	18.75
			For Root Watering Sand Sock, Add	4.57	
32 84 23 00-0625	EA		0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402).....	92.50	18.75
			For Root Watering Sand Sock, Add	4.57	
32 84 23 00-0626	EA		1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404).....	92.50	18.75
			For Root Watering Sand Sock, Add	4.57	
32 84 23 00-0627	EA		0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401).....	74.48	16.40
			For Root Watering Sand Sock, Add	4.10	
32 84 23 00-0628	EA		0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401).....	80.91	16.40
			For Root Watering Sand Sock, Add	4.10	
32 84 23 00-0629	EA		0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402).....	74.48	16.40
			For Root Watering Sand Sock, Add	4.10	
32 84 23 00-0630	EA		0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402).....	80.91	16.40
			For Root Watering Sand Sock, Add	4.10	
32 84 23 00-0631	EA		0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401).....	50.28	14.06
			For Root Watering Sand Sock, Add	3.64	
32 84 23 00-0632	EA		0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401).....	56.41	14.06
			For Root Watering Sand Sock, Add	3.64	

**32 90 Planting** (32)

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

**32 91 Planting Preparation** (32 90)

**32 91 13 Soil Preparation** (32 91)

**32 91 13 16 Mulching** (32 91 13)

**32 91 13 16-0001 Mulch** (32 91 13 16)

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 91 13 16-0002	CY		Pea Gravel Mulch.....	93.48	
			For >5 To 20, Deduct	-7.80	
			For >20 To 50, Deduct	-11.70	
			For >50, Deduct	-16.37	
			For Work On Slopes >2.5:1, Add	12.51	
32 91 13 16-0003	CY		Stone/Gravel Mulch, Marble Chips.....	249.51	
			For >5 To 20, Deduct	-15.60	
			For >20 To 50, Deduct	-23.40	
			For >50, Deduct	-35.88	
			For Work On Slopes >2.5:1, Add	12.51	
32 91 13 16-0004	CY		Stone Mulch, Decomposed Granite Chips.....	86.14	
			For >5 To 20, Deduct	-7.43	
			For >20 To 50, Deduct	-11.15	
			For >50, Deduct	-15.46	
			For Work On Slopes >2.5:1, Add	12.51	
32 91 13 16-0005	CY		Pine Bark Nugget Mulch.....	100.99	
			For >5 To 20, Deduct	-8.18	
			For >20 To 50, Deduct	-12.26	
			For >50, Deduct	-17.31	
			For Work On Slopes >2.5:1, Add	12.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0006	CY		Hardwood Bark Nugget Mulch .....	99.45	
			For >5 To 20, Deduct	-8.10	
			For >20 To 50, Deduct	-12.15	
			For >50, Deduct	-17.12	
			For Work On Slopes >2.5:1, Add	12.51	
32 91 13 16-0007	CY		Pine Wood Chip Mulch.....	96.37	
			For >5 To 20, Deduct	-7.95	
			For >20 To 50, Deduct	-11.92	
			For >50, Deduct	-16.74	
			For Work On Slopes >2.5:1, Add	12.51	
32 91 13 16-0008	CY		Hardwood Chip Mulch.....	102.53	
			For >5 To 20, Deduct	-8.25	
			For >20 To 50, Deduct	-12.38	
			For >50, Deduct	-17.51	
			For Work On Slopes >2.5:1, Add	12.51	
32 91 13 16-0009	CY		Shredded Hardwood Mulch.....	102.53	
			For >5 To 20, Deduct	-8.25	
			For >20 To 50, Deduct	-12.38	
			For >50, Deduct	-17.51	
			For Work On Slopes >2.5:1, Add	12.51	
32 91 13 16-0010	CY		Shredded Pine Mulch.....	88.68	
			For >5 To 20, Deduct	-7.56	
			For >20 To 50, Deduct	-11.34	
			For >50, Deduct	-15.77	
			For Work On Slopes >2.5:1, Add	12.51	
32 91 13 16-0011	CY		Shredded Cedar Mulch.....	118.68	
			For >5 To 20, Deduct	-9.06	
			For >20 To 50, Deduct	-13.59	
			For >50, Deduct	-19.52	
			For Work On Slopes >2.5:1, Add	12.51	
32 91 13 16-0012	CY		Shredded Cypress Mulch.....	116.37	
			For >5 To 20, Deduct	-8.95	
			For >20 To 50, Deduct	-13.42	
			For >50, Deduct	-19.24	
			For Work On Slopes >2.5:1, Add	12.51	
32 91 13 16-0013	CY		Shredded Redwood Mulch.....	122.53	
			For >5 To 20, Deduct	-9.25	
			For >20 To 50, Deduct	-13.88	
			For >50, Deduct	-20.01	
			For Work On Slopes >2.5:1, Add	12.51	
32 91 13 16-0014	CY		Chunk Recycled Tire Mulch.....	187.39	
			For >5 To 20, Deduct	-13.35	
			For >20 To 50, Deduct	-20.03	
			For >50, Deduct	-29.40	
			For Work On Slopes >2.5:1, Add	15.94	
32 91 13 16-0015	CY		Chunk Colored Recycled Tire Mulch.....	293.54	
			For >5 To 20, Deduct	-18.66	
			For >20 To 50, Deduct	-27.99	
			For >50, Deduct	-42.67	
			For Work On Slopes >2.5:1, Add	15.94	
32 91 13 16-0016	CY		Shredded Recycled Tire Mulch .....	295.08	
			For >5 To 20, Deduct	-18.74	
			For >20 To 50, Deduct	-28.11	
			For >50, Deduct	-42.86	
			For Work On Slopes >2.5:1, Add	15.94	
32 91 13 16-0017	CY		Shredded Colored Recycled Tire Mulch.....	507.38	
			For >5 To 20, Deduct	-29.35	
			For >20 To 50, Deduct	-44.03	
			For >50, Deduct	-69.40	
			For Work On Slopes >2.5:1, Add	15.94	
32 91 13 16-0018	EA		Pine Straw Mulch Bale.....	8.78	
			Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.		
			For >100 To 250, Deduct	-0.61	
			For >250 To 500, Deduct	-0.78	
			For >500, Deduct	-1.05	
			For Work On Slopes >2.5:1, Add	0.68	
32 91 13 16-0019	EA		Wheat Straw Mulch Bale.....	8.88	
			Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.		
			For >100 To 250, Deduct	-0.57	
			For >250 To 500, Deduct	-0.70	
			For >500, Deduct	-1.02	
			For Work On Slopes >2.5:1, Add	0.51	
32 91 13 16-0020			<b>Compost Soil Amendment (AgriService)</b> <small>(32 91 13 16)</small>		
			Note: Includes loading, delivery up to 15 miles and spreading. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.		
32 91 13 16-0021	CY		Humic Compost (OIM) .....	76.62	
			Note: (Agri Service or Equal)		
			For Work On Slopes >2.5:1, Add	12.51	
			For >100 To 1,000, Deduct	-13.21	
			For >1,000, Deduct	-20.17	
<b>32 91 13 26</b>			<b>Planting Beds</b> <small>(32 91 13)</small>		
			Note: Not for use when installing trees and shrubs.		
32 91 13 26-0001			<b>Plant Bed Preparation</b> <small>(32 91 13 26)</small>		
			Note: Not for use when installing trees and shrubs.		

**32 Exterior Improvements****32 90 Planting****32 91 Planting Preparation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91	13 26-0002	SF	Prepare And Mix Plant Bed, Up To 8" Deep By Machine..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	0.98	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	0.20	
32 91	13 26-0003	SF	Prepare And Mix Plant Bed, 9" To 13" Deep By Machine..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.12	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	0.22	
32 91	13 26-0004	SF	Prepare And Mix Plant Bed, 14" To 18" Deep By Machine..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.32	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	0.26	
32 91	13 26-0005	SF	Prepare And Mix Plant Bed By Hand, Up To 8" Deep..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	4.36	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	0.87	
32 91	13 26-0006	SF	Prepare And Mix Plant Bed By Hand, 9" To 13" Deep..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	5.01	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	1.00	
32 91	13 26-0007	SF	Prepare And Mix Plant Bed By Hand, 14" To 18" Deep..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	5.89	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	1.18	
<b>32 91</b>	<b>13 26-0008</b>		<b>Plant Bed Preparation With Humic Compost</b> <small>(32 91 13 26)</small>		
32 91	13 26-0009	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 3 CY Per 1,000 SF)..... Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.	1.06	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	0.20	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.15	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.26	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.51	
			<i>For &gt;20,000, Deduct</i>	-0.72	
32 91	13 26-0010	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 6 CY Per 1,000 SF)..... Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.	1.32	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	0.25	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.19	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.31	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.62	
			<i>For &gt;20,000, Deduct</i>	-0.88	
32 91	13 26-0011	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 9 CY Per 1,000 SF)..... Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.	1.57	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	0.29	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.22	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.36	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.73	
			<i>For &gt;20,000, Deduct</i>	-1.02	
<b>32 91</b>	<b>13 26-0012</b>		<b>Planting Pit Preparation</b> <small>(32 91 13 26)</small>		
			Note: Not for use when installing trees and shrubs.		
32 91	13 26-0013	CY	Excavate Planting Pit By Hand, Sandy Soil..... Note: For use with existing planting pits.	75.40	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	15.08	
32 91	13 26-0014	CY	Excavate Planting Pit By Hand, Heavy Soil..... Note: For use with existing planting pits.	150.82	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	30.16	
32 91	13 26-0015	CY	Excavate Planting Pit By Machine, Sandy Soil..... Note: For use with existing planting pits.	12.32	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	2.46	
32 91	13 26-0016	CY	Excavate Planting Pit By Machine, Heavy Soil..... Note: For use with existing planting pits.	16.03	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	3.21	
32 91	13 26-0017	CY	Backfill Planting Pit By Hand With Topsoil From Stockpile..... <i>For Work On Slopes &gt;2.5:1, Add</i>	67.01	
				13.40	
32 91	13 26-0018	CY	Backfill Planting Pit By Hand With Contractor Furnished Planting Mix..... <i>For Work On Slopes &gt;2.5:1, Add</i>	134.24	
				12.26	
32 91	13 26-0019	CY	Backfill Planting Pit By Machine, With Topsoil From Stockpile..... <i>For Work On Slopes &gt;2.5:1, Add</i>	6.60	
				1.32	
32 91	13 26-0020	CY	Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix..... <i>For Work On Slopes &gt;2.5:1, Add</i>	89.44	
				3.30	
<b>32 91</b>	<b>13 26-0021</b>		<b>Weed Barrier</b> <small>(32 91 13 26)</small>		
32 91	13 26-0022	SY	Up To 3 Oz/SY Non Woven, Polypropylene Weed Barrier..... <i>For Work On Slopes &gt;2.5:1, Add</i>	1.75	
				0.12	
32 91	13 26-0023	SY	4 Oz/SY Woven, Polypropylene Weed Barrier..... <i>For Work On Slopes &gt;2.5:1, Add</i>	2.34	
				0.12	
32 91	13 26-0024	SY	5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier..... <i>For Work On Slopes &gt;2.5:1, Add</i>	2.60	
				0.12	
<b>32 91</b>	<b>13 33</b>		<b>Soil Conditioners</b> <small>(32 91 13)</small>		
<b>32 91</b>	<b>13 33-0001</b>		<b>Spread Soil Conditioners</b> <small>(32 91 13 33)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 91 13 33-0002	SY		Aluminum Sulfate 1 LB/SY, Push Spreader.....	0.34	
32 91 13 33-0003	MSF		Aluminum Sulfate 110 LB/MSF Tractor Spreader.....	32.36	
32 91 13 33-0004	MSF		Fertilizer, 20 LB/MSF, Push Spreader.....	6.15	
32 91 13 33-0005	MSF		Fertilizer, 20 LB/MSF, Tractor Spread.....	2.54	
32 91 13 33-0006	MSF		Fertilizer, 20 LB/MSF, Truck Spread.....	4.71	
32 91 13 33-0007	SY		Pelletized Lime, 1 LB/SY, Push Spreader.....	0.08	
32 91 13 33-0008	MSF		Pelitized Lime, 110 LB/MSF, Tractor Spreader.....	6.25	
32 91 13 33-0009	SY		Perlite, 1" Deep, Push Spreader.....	2.93	
32 91 13 33-0010	MSF		Perlite, 1" Deep, Tractor Spreader.....	304.72	
32 91 13 33-0011	SY		Vermiculite, Push Spreader.....	2.72	
32 91 13 33-0012	MSF		Vermiculite, Tractor Spreader.....	297.66	
32 91 13 33-0013	SY		Humate Granular Soil Conditioner, 0.10 LB/SY, Push Spreader.....	0.16	
32 91 13 33-0014	MSF		Humate Granular Soil Conditioner, 10 LB/MSF, Tractor Spreader.....	14.33	

**32 91 13 36 Lawn Bed Preparation (32 91 13)**

**32 91 13 36-0001 Lawn Bed Preparation (32 91 13 36)**

32 91 13 36-0002	MSF		Rake Topsoil With Machine.....	76.47	
32 91 13 36-0003	MSF		Rake Topsoil By Hand.....	60.31	
32 91 13 36-0004	MSF		Screen Loam By Hand.....	40.21	
32 91 13 36-0005	SY		Roll Topsoil With Machine.....	0.99	
32 91 13 36-0006	SY		Roll Topsoil By Hand.....	2.69	
32 91 13 36-0007	MSF		Removal Of Rocks And Debris With Machine.....	9.04	
32 91 13 36-0008	MSF		Removal Of Rocks And Debris By Hand.....	27.84	
32 91 13 36-0009	MSF		Root Raking And Loading, No Boulders.....	47.32	
			<i>For &gt;45 to 225, Deduct</i>	-33.12	
			<i>For &gt;225, Deduct</i>	-42.59	
32 91 13 36-0010	MSF		Root Raking And Loading, With Boulders.....	78.87	
			<i>For &gt;45 to 225, Deduct</i>	-55.21	
			<i>For &gt;225, Deduct</i>	-70.98	
32 91 13 36-0011	MSF		Up To 6" Deep Tilling Topsoil With Tractor.....	4.26	
32 91 13 36-0012	MSF		>6" To 12" Deep Tilling Topsoil With Tractor.....	8.65	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	1.73	
32 91 13 36-0013	SY		Up To 2" Deep Tilling Topsoil With Rototiller.....	0.65	
32 91 13 36-0014	SY		>2" To 4" Deep Tilling Topsoil With Rototiller.....	0.77	
32 91 13 36-0015	SY		>4" To 6" Deep Tilling Topsoil With Rototiller.....	0.97	
32 91 13 36-0016	LF		"V" Cut Soil For Edge Of Planting Beds.....	1.07	

**32 91 13 36-0017 Sod Removal (32 91 13 36)**

32 91 13 36-0018	SY		Removal Of Sod By Hand.....	5.08	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	1.02	
32 91 13 36-0019	SY		Removal Of Sod With Machine.....	0.58	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	0.12	
32 91 13 36-0020	SY		Pile Sod By Hand.....	3.01	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	0.60	
32 91 13 36-0021	SY		Pile Sod With Machine.....	1.08	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	0.22	

**32 91 19 Landscape Grading (32 91)**

**32 91 19 13 Topsoil Placement and Grading (32 91 19)**

**32 91 19 13-0001 Remove And Stockpile Topsoil On Site (32 91 19 13)**

32 91 19 13-0002	CY		Removal Of Topsoil, 4" Deep Stockpile On Site.....	4.57	
32 91 19 13-0003	CY		Removal Of Topsoil, 6" Deep Stockpile On Site.....	4.52	

**32 91 19 13-0004 Screening Topsoil (32 91 19 13)**

32 91 19 13-0005	CY		Screen Topsoil With Vibrating Screen, Wet Material (Organic).....	10.09	
32 91 19 13-0006	CY		Screen Topsoil With Vibrating Screen, Dry Material.....	6.72	

**32 91 19 13-0007 Spreading Topsoil From Stockpile (32 91 19 13)**

32 91 19 13-0008	CY		Spread Topsoil By Machine From Stockpile.....	7.34	
32 91 19 13-0009	CY		Spread Topsoil By Hand From Stockpile.....	57.55	

**32 91 19 13-0010 Furnish And Place Imported Screened Topsoil (32 91 19 13)**

Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.

32 91 19 13-0011	SY		Furnish And Place Imported Screened Topsoil, 2" Deep.....	4.73	
			<i>For Unscreened, Deduct</i>	-0.77	
32 91 19 13-0012	SY		Furnish And Place Imported Screened Topsoil, 4" Deep.....	9.17	
			<i>For Unscreened, Deduct</i>	-1.53	
32 91 19 13-0013	SY		Furnish And Place Imported Screened Topsoil, 6" Deep.....	13.40	
			<i>For Unscreened, Deduct</i>	-2.29	
32 91 19 13-0014	SY		Furnish And Place Imported Screened Topsoil, 9" Deep.....	19.56	
			<i>For Unscreened, Deduct</i>	-3.44	
32 91 19 13-0015	SY		Furnish And Place Imported Screened Topsoil, 12" Deep.....	25.71	
			<i>For Unscreened, Deduct</i>	-4.58	
32 91 19 13-0016	CY		Furnish And Place Imported Screened Topsoil, Over 12" Deep.....	72.66	
			<i>For Unscreened, Deduct</i>	-13.75	

**32 Exterior Improvements****32 90 Planting****32 91 Planting Preparation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 91 19 13-0017	Scarify Soil For Planting Preparation (32 91 19 13)	
	Note: Ripped in multiple directions with 3" maximum clods.	
32 91 19 13-0018	MSF Up To 5,000 SF Scarify Up To 8" Soil With Machine .....	57.65
32 91 19 13-0019	MSF >5,000 To 20,000 SF Scarify Up To 8" Soil With Machine .....	40.35
32 91 19 13-0020	MSF >20,000 SF Scarify Up To 8" Soil With Machine .....	23.72

**32 92 Turf and Grasses (32 90)****32 92 16 Plugging (32 92)**

32 92 16 00-0001	Bermuda Or Centipede Plugging, 1" Deep (32 92 16)	
	Note: Includes fine grade and soil preparation.	
32 92 16 00-0002	6" On Center Plugging (32 92 16 00-0001)	
32 92 16 00-0003	MSF Plugging By Hand, 6" On Center .....	195.91
32 92 16 00-0004	MSF Plugging By Walk Behind Planter, 6" On Center .....	27.80
32 92 16 00-0005	MSF Plugging By Towed Planter, 6" On Center .....	20.96

32 92 16 00-0006	9" On Center Plugging (32 92 16 00-0001)	
32 92 16 00-0007	MSF Plugging By Hand, 9" On Center .....	150.26
32 92 16 00-0008	MSF Plugging By Walk Behind Planter, 9" On Center .....	21.73
32 92 16 00-0009	MSF Plugging By Towed Planter, 9" On Center .....	15.70

32 92 16 00-0010	12" On Center Plugging (32 92 16 00-0001)	
32 92 16 00-0011	MSF Plugging By Hand, 12" On Center .....	126.32
32 92 16 00-0012	MSF Plugging By Walk Behind Planter, 12" On Center .....	14.66
32 92 16 00-0013	MSF Plugging By Towed Planter, 12" On Center .....	10.02

**32 92 19 Seeding (32 92)****32 92 19 13 Mechanical Seeding (32 92 19)**

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 13-0001	Tractor Spreader Mechanical Seeding (32 92 19 13)	
	Note: Excludes straw.	
32 92 19 13-0002	MSF Common Bluegrass, Tractor Spreader .....	41.20
	Note: 4 LB/MSF spread rate.	
32 92 19 13-0003	MSF Tall Fescue, Tractor Spreader .....	32.45
	Note: 5.5 LB/MSF spread rate.	
32 92 19 13-0004	MSF Rye, Tractor Spreader .....	33.07
	Note: 10 LB/MSF spread rate.	
32 92 19 13-0005	MSF Shade Mix, Tractor Spreader .....	36.22
	Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	
32 92 19 13-0006	MSF Turf Mix, Tractor Spreader .....	38.48
	Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	
32 92 19 13-0007	MSF Slope Mix, Tractor Spreader .....	35.46
	Note: 6 LB/MSF spread rate.	
32 92 19 13-0008	MSF Utility Mix, Tractor Spreader .....	31.70
	Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	
32 92 19 13-0009	MSF Wild Flower Mix, Tractor Spreader .....	24.60
	Note: 0.10 LB/MSF spread rate.	
32 92 19 13-0010	MSF Crown Vetch Mix, Tractor Spreader .....	80.72
	Note: 4 LB/MSF spread rate.	
32 92 19 13-0011	MSF Athletic Mix, Tractor Spreader .....	47.53
	Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	
32 92 19 13-0012	MSF White Clover Mix, Tractor Spreader .....	24.53
	Note: 7 LB/MSF spread rate.	
32 92 19 13-0013	MSF Ladino Clover Mix, Tractor Spreader .....	27.54
	Note: 7 LB/MSF spread rate.	

32 92 19 13-0014	Hydro Or Air Mechanical Seeding (32 92 19 13)	
32 92 19 13-0015	MSF Common Bluegrass, Hydro Or Air Seeding .....	83.33
	Note: 4 LB/MSF spread rate.	
	For Spot Areas Up To 1, Add	86.83
	For >1 To 4, Add	55.57
	For >4 To 7.5, Add	37.51
	For >7.5 To 10, Add	18.76
	For >45, Deduct	-6.60
	For Tackifier, Add	0.99
32 92 19 13-0016	MSF Tall Fescue, Hydro Or Air Seeding .....	88.61
	Note: 5.5 LB/MSF spread rate.	
	For Spot Areas Up To 1, Add	88.94
	For >1 To 4, Add	56.63
	For >4 To 7.5, Add	38.04
	For >7.5 To 10, Add	19.02
	For >45, Deduct	-6.86
	For Tackifier, Add	0.99

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0017	MSF		Rye, Hydro Or Air Spread .....83.55 Note: 10 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	86.91	
			For >1 To 4, Add	55.61	
			For >4 To 7.5, Add	37.53	
			For >7.5 To 10, Add	18.77	
			For >45, Deduct	-6.61	
			For Tackifier, Add	0.99	
32 92 19 13-0018	MSF		Shade Mix, Hydro Or Air Seeding .....83.33 Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
			For Spot Areas Up To 1, Add	86.83	
			For >1 To 4, Add	55.57	
			For >4 To 7.5, Add	37.51	
			For >7.5 To 10, Add	18.76	
			For >45, Deduct	-6.60	
			For Tackifier, Add	0.99	
32 92 19 13-0019	MSF		Turf Mix, Hydro Or Air Seeding .....88.61 Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
			For Spot Areas Up To 1, Add	88.94	
			For >1 To 4, Add	56.63	
			For >4 To 7.5, Add	38.04	
			For >7.5 To 10, Add	19.02	
			For >45, Deduct	-6.86	
			For Tackifier, Add	0.99	
32 92 19 13-0020	MSF		Slope Mix, Hydro Or Air Seeding .....86.34 Note: 6 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	88.03	
			For >1 To 4, Add	56.17	
			For >4 To 7.5, Add	37.81	
			For >7.5 To 10, Add	18.91	
			For >45, Deduct	-6.75	
			For Tackifier, Add	0.99	
32 92 19 13-0021	MSF		Utility Mix, Hydro Or Air Seeding .....84.52 Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
			For Spot Areas Up To 1, Add	87.30	
			For >1 To 4, Add	55.81	
			For >4 To 7.5, Add	37.63	
			For >7.5 To 10, Add	18.82	
			For >45, Deduct	-6.66	
			For Tackifier, Add	0.99	
32 92 19 13-0022	MSF		Wild Flower Mix, Hydro Or Air Seeding .....78.64 Note: 0.10 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	84.95	
			For >1 To 4, Add	54.63	
			For >4 To 7.5, Add	37.04	
			For >7.5 To 10, Add	18.52	
			For >45, Deduct	-6.36	
			For Tackifier, Add	0.99	
32 92 19 13-0023	MSF		Crown Vetch Mix, Hydro Or Air Seeding .....131.60 Note: 4 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	106.13	
			For >1 To 4, Add	65.22	
			For >4 To 7.5, Add	42.34	
			For >7.5 To 10, Add	21.17	
			For >45, Deduct	-9.01	
			For Tackifier, Add	0.99	
32 92 19 13-0024	MSF		Athletic Mix, Hydro Or Air Seeding .....115.02 Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
			For Spot Areas Up To 1, Add	99.50	
			For >1 To 4, Add	61.91	
			For >4 To 7.5, Add	40.68	
			For >7.5 To 10, Add	20.34	
			For >45, Deduct	-8.18	
			For Tackifier, Add	0.99	
32 92 19 13-0025	MSF		White Clover Mix, Hydro Or Air Seeding .....71.48 Note: 7 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	82.09	
			For >1 To 4, Add	53.20	
			For >4 To 7.5, Add	36.33	
			For >7.5 To 10, Add	18.16	
			For >45, Deduct	-6.01	
			For Tackifier, Add	0.99	
32 92 19 13-0026	MSF		Ladino Clover Mix, Hydro Or Air Seeding .....80.31 Note: 7 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	85.62	
			For >1 To 4, Add	54.97	
			For >4 To 7.5, Add	37.21	
			For >7.5 To 10, Add	18.60	
			For >45, Deduct	-6.45	
			For Tackifier, Add	0.99	
32 92 19 13-0027	MSF		60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread .....84.83 Note: 4 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	87.43	
			For >1 To 4, Add	55.87	
			For >4 To 7.5, Add	37.66	
			For >7.5 To 10, Add	18.83	
			For >45, Deduct	-6.67	
			For Tackifier, Add	0.99	

**32 Exterior Improvements****32 90 Planting****32 92 Turf and Grasses**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 92 19 13-0028	MSF	2,500 LB/Acre, High Performance - Flexible Growth Medium.....	93.22	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	-5.88	
32 92 19 13-0029	MSF	3,000 LB/Acre, High Performance - Flexible Growth Medium.....	108.22	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	-6.69	
32 92 19 13-0030	MSF	3,500 LB/Acre, High Performance - Flexible Growth Medium.....	123.29	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	-7.51	
32 92 19 13-0031	MSF	4,000 LB/Acre, High Performance - Flexible Growth Medium.....	138.39	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	-8.33	
32 92 19 13-0032	MSF	4,500 LB/Acre, High Performance - Flexible Growth Medium.....	153.58	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	-9.16	

**32 92 19 19 Seeding by Hand** (32 92 19)

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

**32 92 19 19-0001 Push Spreader Or Hand Seeding** (32 92 19 19)

Note: Excludes straw.

32 92 19 19-0002	MSF	Common Bluegrass, Push Spreader Or Hand .....	96.21	
		Note: 4 LB/MSF spread rate.		
		For >5 To 20, Deduct	-6.70	
		For >20 To 45, Deduct	-12.87	
		For >45, Deduct	-20.93	
32 92 19 19-0003	MSF	Tall Fescue, Push Spreader Or Hand .....	87.46	
		Note: 5.5 LB/MSF spread rate.		
		For >5 To 20, Deduct	-6.26	
		For >20 To 45, Deduct	-12.21	
		For >45, Deduct	-20.05	
32 92 19 19-0004	MSF	Rye, Push Spreader Or Hand .....	88.08	
		Note: 10 LB/MSF spread rate.		
		For >5 To 20, Deduct	-6.29	
		For >20 To 45, Deduct	-12.26	
		For >45, Deduct	-20.12	
32 92 19 19-0005	MSF	Shade Mix, Push Spreader Or Hand .....	91.23	
		Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
		For >5 To 20, Deduct	-6.45	
		For >20 To 45, Deduct	-12.50	
		For >45, Deduct	-20.43	
32 92 19 19-0006	MSF	Turf Mix, Push Spreader Or Hand .....	93.49	
		Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
		For >5 To 20, Deduct	-6.56	
		For >20 To 45, Deduct	-12.67	
		For >45, Deduct	-20.66	
32 92 19 19-0007	MSF	Slope Mix, Push Spreader Or Hand .....	90.47	
		Note: 6 LB/MSF spread rate.		
		For >5 To 20, Deduct	-6.41	
		For >20 To 45, Deduct	-12.44	
		For >45, Deduct	-20.36	
32 92 19 19-0008	MSF	Utility Mix, Push Spreader Or Hand .....	86.71	
		Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
		For >5 To 20, Deduct	-6.22	
		For >20 To 45, Deduct	-12.16	
		For >45, Deduct	-19.98	
32 92 19 19-0009	MSF	Wild Flower Mix, Push Spreader Or Hand .....	79.61	
		Note: 0.10 LB/MSF spread rate.		
		For >5 To 20, Deduct	-5.87	
		For >20 To 45, Deduct	-11.63	
		For >45, Deduct	-19.27	
32 92 19 19-0010	MSF	Crown Vetch Mix, Push Spreader Or Hand .....	135.73	
		Note: 4 LB/MSF spread rate.		
		For >5 To 20, Deduct	-8.67	
		For >20 To 45, Deduct	-15.83	
		For >45, Deduct	-24.88	
32 92 19 19-0011	MSF	Athletic Mix, Push Spreader Or Hand .....	102.54	
		Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
		For >5 To 20, Deduct	-7.01	
		For >20 To 45, Deduct	-13.34	
		For >45, Deduct	-21.56	
32 92 19 19-0012	MSF	White Clover Mix, Push Spreader Or Hand .....	79.54	
		Note: 7 LB/MSF spread rate.		
		For >5 To 20, Deduct	-5.86	
		For >20 To 45, Deduct	-11.62	
		For >45, Deduct	-19.26	
32 92 19 19-0013	MSF	Ladino Clover Mix, Push Spreader Or Hand .....	82.55	
		Note: 7 LB/MSF spread rate.		
		For >5 To 20, Deduct	-6.01	
		For >20 To 45, Deduct	-11.85	
		For >45, Deduct	-19.56	
32 92 19 19-0014	MSF	100% Kentucky Bluegrass, Push Spreader Or Hand .....	97.64	
		Note: 3.3 LB/MSF spread rate.		
		For >5 To 20, Deduct	-6.77	
		For >20 To 45, Deduct	-12.98	
		For >45, Deduct	-21.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 92 19 19-0015	MSF		70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand..... Note: 3.3 LB/MSF spread rate.	93.49	
			For >5 To 20, Deduct	-6.56	
			For >20 To 45, Deduct	-12.67	
			For >45, Deduct	-20.66	
32 92 19 19-0016	MSF		50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand..... Note: 3.3 LB/MSF spread rate.	90.48	
			For >5 To 20, Deduct	-6.41	
			For >20 To 45, Deduct	-12.44	
			For >45, Deduct	-20.36	
32 92 19 19-0017	MSF		50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand..... Note: 4.4 LB/MSF spread rate.	96.51	
			For >5 To 20, Deduct	-6.71	
			For >20 To 45, Deduct	-12.89	
			For >45, Deduct	-20.96	
32 92 19 19-0018	MSF		60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand..... Note: 3.3 LB/MSF spread rate.	91.98	
			For >5 To 20, Deduct	-6.48	
			For >20 To 45, Deduct	-12.55	
			For >45, Deduct	-20.51	
32 92 19 19-0019	MSF		40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand..... Note: 3.3 LB/MSF spread rate.	93.49	
			For >5 To 20, Deduct	-6.56	
			For >20 To 45, Deduct	-12.67	
			For >45, Deduct	-20.66	

**32 92 23 Sodding** (32 92)

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

**32 92 23 00-0001 Tall Fescue Sod** (32 92 23)

32 92 23 00-0002	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,971.06	
		For Hybrid Fescue "Marathon", Add	134.82	
32 92 23 00-0003	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,598.86	
		For Hybrid Fescue "Marathon", Add	101.49	
32 92 23 00-0004	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,351.87	
		For Hybrid Fescue "Marathon", Add	84.82	
32 92 23 00-0005	MSF	>8,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,152.27	
		For Hybrid Fescue "Marathon", Add	68.15	
32 92 23 00-0006	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	2,266.00	
		For Hybrid Fescue "Marathon", Add	134.82	
32 92 23 00-0007	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,850.23	
		For Hybrid Fescue "Marathon", Add	101.49	
32 92 23 00-0008	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,525.28	
		For Hybrid Fescue "Marathon", Add	84.82	
32 92 23 00-0009	MSF	>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,299.74	
		For Hybrid Fescue "Marathon", Add	68.15	

**32 92 23 00-0010 Kentucky Blue Grass Sod** (32 92 23)

32 92 23 00-0011	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,668.03	
32 92 23 00-0012	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,371.59	
32 92 23 00-0013	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,162.48	
32 92 23 00-0014	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,000.75	
32 92 23 00-0015	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,962.97	
32 92 23 00-0016	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,622.96	
32 92 23 00-0017	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,335.89	
32 92 23 00-0018	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,148.22	

**32 93 Plants** (32 90)

**32 93 13 Ground Covers** (32 93)

Note: Materials only. See CSI section 32 93 83 00-0062 for installation and planting of ground cover.

**32 93 13 00-0001 Ground Covers** (32 93 13)

32 93 13 00-0002	EA	1 Quart Baccharis Pilularis - Dwarf Coyote Bush.....	5.48	
32 93 13 00-0003	EA	1 Gallon Baccharis Pilularis - Dwarf Coyote Bush.....	9.50	
32 93 13 00-0004	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge.....	19.36	
32 93 13 00-0005	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge.....	25.21	
32 93 13 00-0006	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper.....	31.91	
32 93 13 00-0007	EA	1 Quart Waldsteinia ternata - Barren Strawberry.....	5.48	
32 93 13 00-0008	EA	1 Gallon Waldsteinia ternata - Barren Strawberry.....	13.15	
32 93 13 00-0009	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	17.90	
32 93 13 00-0010	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	33.98	
32 93 13 00-0011	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	59.92	
32 93 13 00-0012	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope.....	6.13	
32 93 13 00-0013	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	11.33	
32 93 13 00-0014	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	39.82	
32 93 13 00-0015	EA	1 Gallon Juniperus horizontalis 'Wiltoni' - Blue Rug Juniper.....	14.87	
32 93 13 00-0016	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy.....	7.31	
32 93 13 00-0017	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy.....	16.66	
32 93 13 00-0018	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy.....	45.59	
32 93 13 00-0019	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea.....	19.16	
32 93 13 00-0020	EA	1 Quart Iberis sempervirens - Candytuft.....	5.48	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0021	EA	1	Gallon Iberis sempervirens - Candytuft.....	13.15	
32 93 13 00-0022	EA	1	Gallon Gelsemium sempervirens - Carolina Jessamine.....	15.78	
32 93 13 00-0023	EA	5	Gallon Gelsemium sempervirens - Carolina Jessamine.....	56.99	
32 93 13 00-0024	EA	3"	Pot Ajuga reptans - Carpet Bugle.....	3.29	
32 93 13 00-0025	EA	1	Quart Ajuga reptans - Carpet Bugle.....	5.48	
32 93 13 00-0026	EA	1	Gallon Ajuga reptans - Carpet Bugle.....	13.15	
32 93 13 00-0027	EA	24	Plant Flat Ajuga reptans - Carpet Bugle.....	56.63	
32 93 13 00-0028	EA	1	Gallon Macfadyena unguis-cati - Cat Claw Vine.....	13.15	
32 93 13 00-0029	EA	5	Gallon Macfadyena unguis-cati - Cat Claw Vine.....	56.99	
32 93 13 00-0030	EA	1	Gallon Wisteria sinensis - Chinese Wisteria Vine.....	17.17	
32 93 13 00-0031	EA	3	Gallon Wisteria sinensis - Chinese Wisteria Vine.....	38.00	
32 93 13 00-0032	EA	5	Gallon Wisteria sinensis - Chinese Wisteria Vine.....	56.99	
32 93 13 00-0033	EA	1	Gallon Ranunculaceae - Clematis Varieties.....	18.88	
32 93 13 00-0034	EA	2	Gallon Ranunculaceae - Clematis Varieties.....	34.91	
32 93 13 00-0035	EA	1	Gallon Hydrangea petiolaris - Climbing Hydrangea.....	23.75	
32 93 13 00-0036	EA	2	Gallon Hydrangea petiolaris - Climbing Hydrangea.....	44.57	
32 93 13 00-0037	EA	5	Gallon Hydrangea petiolaris - Climbing Hydrangea.....	73.07	
32 93 13 00-0038	EA	4"	Pot Lantana camera - Common Lantana.....	3.29	
32 93 13 00-0039	EA	1	Gallon Lantana camera - Common Lantana.....	9.50	
32 93 13 00-0040	EA	1	Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia.....	11.33	
32 93 13 00-0041	EA	5	Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia.....	37.26	
32 93 13 00-0042	EA	2	Quart Lysimachia nummularia - Creeping Jenny.....	5.48	
32 93 13 00-0043	EA	1	Gallon Lysimachia nummularia - Creeping Jenny.....	10.60	
32 93 13 00-0044	EA	2	Quart Liriope spicata - Creeping Lilytuft.....	9.50	
32 93 13 00-0045	EA	1	Gallon Liriope spicata - Creeping Lilytuft.....	17.17	
32 93 13 00-0046	EA	5	Gallon Liriope spicata - Creeping Lilytuft.....	36.17	
32 93 13 00-0047	EA		Bare Root Liriope spicata - Creeping Liriope.....	2.40	
32 93 13 00-0048	EA	3"	Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	3.29	
32 93 13 00-0049	EA	1	Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	13.15	
32 93 13 00-0050	EA	2-1/4"	Pot Securigera varia - Crown Vetch.....	2.19	
32 93 13 00-0051	EA	50	Plant Flat Securigera varia - Crown Vetch.....	74.16	
32 93 13 00-0052	EA	1	Quart Senecio cineraria - Dusty Miller.....	5.48	
32 93 13 00-0053	EA	1	Gallon Senecio cineraria - Dusty Miller.....	13.15	
32 93 13 00-0054	EA	2	Gallon Aristolochia macrophylla - Dutchman's Pipe.....	45.67	
32 93 13 00-0055	EA	5	Gallon Aristolochia macrophylla - Dutchman's Pipe.....	83.66	
32 93 13 00-0056	EA	1	Gallon Ilex cornuta - Dwarf Holly.....	9.92	
32 93 13 00-0057	EA	3	Gallon Ilex cornuta - Dwarf Holly.....	21.26	
32 93 13 00-0058	EA	3	Gallon Rhampholepis umbellata 'Minor' - Dwarf Indian Hawthorn.....	21.26	
32 93 13 00-0059	EA	1	Gallon Tradescantia spathacea - Dwarf Oyster Plant.....	7.09	
32 93 13 00-0060	EA	2" To 3"	Pot Hedera helix - English Ivy.....	3.29	
32 93 13 00-0061	EA	12" To 15"	Runners Hedera helix - English Ivy.....	5.48	
32 93 13 00-0062	EA	1	Gallon Hedera helix - English Ivy.....	13.15	
32 93 13 00-0063	EA	50	Plant Flat Hedera helix - English Ivy.....	75.99	
32 93 13 00-0064	EA	4"	Pot Lavandula angustifolia - English Lavender.....	4.75	
32 93 13 00-0065	EA	1	Quart Lavandula angustifolia - English Lavender.....	9.13	
32 93 13 00-0066	EA	1	Gallon Lavandula angustifolia - English Lavender.....	14.98	
32 93 13 00-0067	EA	1	Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	14.25	
32 93 13 00-0068	EA	2	Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	28.50	
32 93 13 00-0069	EA	1	Quart Arundo donax - Giant Reed.....	17.54	
32 93 13 00-0070	EA	1	Gallon Arundo donax - Giant Reed.....	25.21	
32 93 13 00-0071	EA	1	Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	14.98	
32 93 13 00-0072	EA	2	Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	28.50	
32 93 13 00-0073	EA	1	Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	19.36	
32 93 13 00-0074	EA	1	Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	29.23	
32 93 13 00-0075	EA	3"	Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	3.29	
32 93 13 00-0076	EA	1	Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	14.98	
32 93 13 00-0077	EA	2	Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	28.50	
32 93 13 00-0078	EA	1	Gallon Hardenbergia violacea - Happy Wanderer.....	13.15	
32 93 13 00-0079	EA	5	Gallon Hardenbergia violacea - Happy Wanderer.....	43.84	
32 93 13 00-0080	EA	3	Gallon Hibiscus, Assorted Colors.....	17.13	
32 93 13 00-0081	EA	1	Gallon Acorus gramineus - Japanese Sweet Flag.....	13.70	
32 93 13 00-0082	EA	1	Gallon Jasminum volubile - Wax Jasmine.....	6.90	
32 93 13 00-0083	EA	1	Gallon Jasminum volubile - Wax Jasmine.....	17.13	
32 93 13 00-0084	EA	1	Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	8.61	
32 93 13 00-0085	EA	3	Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	19.16	
32 93 13 00-0086	EA	1	Gallon Cissus antarctica - Kangaroo Vine.....	10.60	
32 93 13 00-0087	EA	5	Gallon Cissus antarctica - Kangaroo Vine.....	33.25	
32 93 13 00-0088	EA	1	Quart Stachys byzantina - Lamb's Ear.....	5.48	
32 93 13 00-0089	EA	1	Quart Stachys byzantina - Lamb's Ear.....	13.15	
32 93 13 00-0090	EA	1	Gallon Lantana spp. Various Colors.....	7.75	
32 93 13 00-0091	EA	1	Gallon Lantana sellowiana - Trailing Lantana.....	5.10	
32 93 13 00-0092	EA	1	Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	10.60	
32 93 13 00-0093	EA	5	Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	38.00	
32 93 13 00-0094	EA	1	Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	7.75	
32 93 13 00-0095	EA	1	Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	9.78	
32 93 13 00-0096	EA	3	Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	15.64	
32 93 13 00-0097	EA	1	Quart Moss Phlox, Creeping Phlox.....	5.48	
32 93 13 00-0098	EA	1	Gallon Moss Phlox, Creeping Phlox.....	13.15	
32 93 13 00-0099	EA	1	Gallon Nephrolepis exaltata - Common Boston Fern.....	6.90	
32 93 13 00-0100	EA	4"	Pot Ophiopogon Japonicus - Mondo grass.....	3.29	
32 93 13 00-0101	EA	1	Gallon Ophiopogon Japonicus - Mondo grass.....	13.15	
32 93 13 00-0102	EA	5	Gallon Ophiopogon Japonicus - Mondo grass.....	30.32	
32 93 13 00-0103	EA	2' To 3'	High Oregon Holly-Grape.....	15.18	
32 93 13 00-0104	EA	1	Gallon Pachysandra terminalis - Pachysandra.....	19.78	
32 93 13 00-0105	EA	2-1/4"	Pot Vinca minor - Periwinkle.....	1.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 13 00-0106	EA	4"	Pot Vinca minor - Periwinkle	5.48	
32 93 13 00-0107	EA		Bare Root Vinca minor - Periwinkle	1.83	
32 93 13 00-0108	EA	1 Quart	Nepeta mussinii - Persian Catmint	5.48	
32 93 13 00-0109	EA	1 Gallon	Nepeta mussinii - Persian Catmint	11.33	
32 93 13 00-0110	EA	1 Gallon	Coprosma kirkii - Prostrate Coprosma	9.13	
32 93 13 00-0111	EA	5 Gallon	Coprosma kirkii - Prostrate Coprosma	33.25	
32 93 13 00-0112	EA	1 Gallon	Juniperus Horizontalis - Prostrate Juniper	14.98	
32 93 13 00-0113	EA	3 Gallon	Juniperus Horizontalis - Prostrate Juniper	32.15	
32 93 13 00-0114	EA	5 Gallon	Juniperus Horizontalis - Prostrate Juniper	47.49	
32 93 13 00-0115	EA	1 Quart	Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	13.04	
32 93 13 00-0116	EA	1 Gallon	Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	33.80	
32 93 13 00-0117	EA	24 Plant Flat	Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	56.63	
32 93 13 00-0118	EA	1 Gallon	Tradescantia spathacea - Rhoeco Discolor "Dwarf"	6.90	
32 93 13 00-0119	EA	1 Quart	Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	7.67	
32 93 13 00-0120	EA	1 Gallon	Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	13.70	
32 93 13 00-0121	EA	2 Gallon	Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	21.37	
32 93 13 00-0122	EA	1 Gallon	Hymenocallis latifolia - Spider Lily	8.50	
32 93 13 00-0123	EA	3 Gallon	Hymenocallis latifolia - Spider Lily	22.68	
32 93 13 00-0124	EA	1 Quart	Hypericum perforatum - St. John's Wort	5.48	
32 93 13 00-0125	EA	1 Gallon	Hypericum perforatum - St. John's Wort	13.15	
32 93 13 00-0126	EA	5 Gallon	Hypericum perforatum - St. John's Wort	33.98	
32 93 13 00-0127	EA	24" To 30"	High Viburnum awabuki - Sweet Viburnum	46.24	
32 93 13 00-0128	EA	1 Gallon	Campsis radicans - Trumpet Creeper	20.09	
32 93 13 00-0129	EA	2 Gallon	Campsis radicans - Trumpet Creeper	30.32	
32 93 13 00-0130	EA	5 Gallon	Campsis radicans - Trumpet Creeper	73.07	
32 93 13 00-0131	EA	2-1/4"	Pot Vinca major - Variegated Greater Periwinkle	1.83	
32 93 13 00-0132	EA	4"	Pot Vinca major - Variegated Greater Periwinkle	5.48	
32 93 13 00-0133	EA		Bare Root Vinca major - Variegated Greater Periwinkle	1.83	
32 93 13 00-0134	EA	1 Quart	Carex hachijoensis - Variegated Japanese Sedge	9.86	
32 93 13 00-0135	EA	1 Gallon	Carex hachijoensis - Variegated Japanese Sedge	13.70	
32 93 13 00-0136	EA	2 Gallon	Carex hachijoensis - Variegated Japanese Sedge	21.37	
32 93 13 00-0137	EA	1 Gallon	Liriope muscari 'Variegata' - Variegated Lilyturf	14.98	
32 93 13 00-0138	EA	2 Quart	Verbena peruviana "St. Paul" - St. Paul Verbena	6.94	
32 93 13 00-0139	EA	1 Gallon	Verbena peruviana "St. Paul" - St. Paul Verbena	10.60	
32 93 13 00-0140	EA	48 Plant Flat	Vinca minor - Lesser Periwinkle	65.12	
32 93 13 00-0141	EA	3"	Pot Parthenocissus quinquefolia - Virginia Creeper	3.29	
32 93 13 00-0142	EA	1 Gallon	Parthenocissus quinquefolia - Virginia Creeper	17.17	
32 93 13 00-0143	EA	1 Gallon	Jasminum polyanthum - Winter Jasmine	13.15	
32 93 13 00-0144	EA	2 Gallon	Jasminum polyanthum - Winter Jasmine	26.30	
32 93 13 00-0145	EA	5 Gallon	Jasminum polyanthum - Winter Jasmine	45.67	
32 93 13 00-0146	EA	1 Gallon	Cistaceae - Wrinkleleaf Rock Rose	10.60	
32 93 13 00-0147	EA	5 Gallon	Cistaceae - Wrinkleleaf Rock Rose	36.17	
32 93 13 00-0148	EA		Flat Hedera canariensis - Algerian Ivy	17.30	
32 93 13 00-0149	EA	2-1/2"	Pot Hedera canariensis - Algerian Ivy	4.57	
32 93 13 00-0150	EA		Flat Gazania 'Copper King'	14.18	
32 93 13 00-0151	EA	1 Gallon	Gazania 'Copper King'	4.84	
32 93 13 00-0152	EA		Flat Myoporum parvifolium - Myoporum	17.30	
32 93 13 00-0153	EA	1 Gallon	Myoporum parvifolium - Myoporum	4.84	
32 93 13 00-0154	EA	5 Gallon	Myoporum parvifolium - Myoporum	13.84	
32 93 13 00-0155	EA	1 Gallon	Lantana montevidensis - Purple Lantana	4.84	
32 93 13 00-0156	EA	5 Gallon	Lantana montevidensis - Purple Lantana	13.84	
32 93 13 00-0157	EA		Flat Carpobrotus - Ice Plant	13.15	
32 93 13 00-0158	EA	1 Gallon	Carpobrotus - Ice Plant	5.53	
32 93 13 00-0159	EA	1 Gallon	Acmispon galaber - Common Deerweed	10.37	
32 93 13 00-0160	EA	1 Gallon	Acacia redolens - Bank Catclaw	4.30	
32 93 13 00-0161	EA	5 Gallon	Acacia redolens - Bank Catclaw	13.33	
32 93 13 00-0162	EA	15 Gallon	Acacia redolens - Bank Catclaw	51.84	
32 93 13 00-0163	EA	1 Gallon	Achillea filipendulina - Fernleaf Yarrow	6.37	
32 93 13 00-0164	EA	1 Gallon	Achillea millefolium - Common Yarrow	5.78	
32 93 13 00-0165	EA	5 Gallon	Achillea millefolium - Common Yarrow	17.77	
32 93 13 00-0166	EA	1 Gallon	Achillea millefolium 'Paprika' - Red Yarrow	6.37	
32 93 13 00-0167	EA	1 Gallon	Achillea 'Moonshine' - Yellow yarrow	6.37	
32 93 13 00-0168	EA	1 Gallon	Agave americana - Century Plant	8.74	
32 93 13 00-0169	EA	5 Gallon	Agave americana - Century Plant	23.70	
32 93 13 00-0170	EA	15 Gallon	Agave americana - Century Plant	72.57	
32 93 13 00-0171	EA	24"	Box Agave americana - Century Plant	259.19	
32 93 13 00-0172	EA	1 Gallon	Agave vilmoriniana - Octopus Agave	8.74	
32 93 13 00-0173	EA	5 Gallon	Agave vilmoriniana - Octopus Agave	23.70	
32 93 13 00-0174	EA	15 Gallon	Agave vilmoriniana - Octopus Agave	72.57	
32 93 13 00-0175	EA	24"	Box Agave vilmoriniana - Octopus Agave	259.19	
32 93 13 00-0176	EA	5 Gallon	Nolina parryi - Giant Nolina	23.70	

32 93 13 00-0177 Ornamental Grasses (32 93 13)

32 93 13 00-0178	EA	1 Gallon	Cortaderia selloana - Pampas Grass	19.62	
32 93 13 00-0179	EA	2 Gallon	Cortaderia selloana - Pampas Grass	36.27	
32 93 13 00-0180	EA	3 Gallon	Cortaderia selloana - Pampas Grass	65.91	
32 93 13 00-0181	EA	5 Gallon	Cortaderia selloana - Pampas Grass	119.96	
32 93 13 00-0182	EA	1 Quart	Imperata cylindrica - Japanese Blood Grass	15.02	
32 93 13 00-0183	EA	1 Gallon	Imperata cylindrica - Japanese Blood Grass	19.97	
32 93 13 00-0184	EA	2 Gallon	Imperata cylindrica - Japanese Blood Grass	21.37	
32 93 13 00-0185	EA	1 Quart	Koeleria glauca - Blue Hair Grass	14.98	
32 93 13 00-0186	EA	1 Gallon	Koeleria glauca - Blue Hair Grass	19.97	
32 93 13 00-0187	EA	3 Gallon	Koeleria glauca - Blue Hair Grass	48.31	
32 93 13 00-0188	EA	1 Gallon	Miscanthus sinensis 'Gracillimus' - Maiden Grass	18.96	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 13 00-0189	EA	3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	24.57
32 93 13 00-0190	EA	5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	46.97
32 93 13 00-0191	EA	1 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	17.60
32 93 13 00-0192	EA	3 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	27.66
32 93 13 00-0193	EA	5 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	47.34
32 93 13 00-0194	EA	1 Quart, Pennisetum setaceum - Fountain Grass	16.38
32 93 13 00-0195	EA	1 Gallon, Pennisetum setaceum - Fountain Grass	41.67
32 93 13 00-0196	EA	3 Gallon, Pennisetum setaceum - Fountain Grass	54.94
32 93 13 00-0197	EA	1 Gallon, Saccharum ravennae - Ravenna Grass	51.86
32 93 13 00-0198	EA	3 Gallon, Saccharum ravennae - Ravenna Grass	58.26
32 93 13 00-0199	EA	7 Gallon, Saccharum ravennae - Ravenna Grass	96.11
32 93 13 00-0200	EA	1 Gallon, Spartina pectinata - Variegated Cord Grass	28.16
32 93 13 00-0201	EA	2 Gallon, Spartina pectinata - Variegated Cord Grass	42.15
32 93 13 00-0202	EA	1 Quart, Stipa gigantea - Giant Feather Grass	21.50
32 93 13 00-0203	EA	1 Gallon, Stipa gigantea - Giant Feather Grass	29.95

**32 93 23 Plants and Bulbs (32 93)**

Note: Materials only. See CSI section 32 93 83 00-0062 for installation and planting of bulbs and annuals.

**32 93 23 00-0001 Perennials (32 93 23)**

32 93 23 00-0002	EA	2 Quart Assorted Daylilies	10.59
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies	14.98
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies	24.84
32 93 23 00-0005	EA	1 Quart Azure Penstemon	5.48
32 93 23 00-0006	EA	1 Gallon Azure Penstemon	13.70
32 93 23 00-0007	EA	1 Quart Balloon Flower	5.48
32 93 23 00-0008	EA	1 Gallon Balloon Flower	13.70
32 93 23 00-0009	EA	1 Quart Black-eyed Susan	5.48
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan	13.70
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan	17.72
32 93 23 00-0012	EA	1 Quart Blackberry Lily	5.48
32 93 23 00-0013	EA	1 Gallon Blackberry Lily	13.70
32 93 23 00-0014	EA	1 Quart Blank Flower	5.48
32 93 23 00-0015	EA	1 Gallon Blank Flower	12.60
32 93 23 00-0016	EA	2 Gallon Blank Flower	17.72
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather	5.48
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	13.70
32 93 23 00-0019	EA	1 Quart Bloodred Geranium	9.32
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	15.71
32 93 23 00-0021	EA	1 Quart Blue Plumbago	5.48
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	13.70
32 93 23 00-0023	EA	1 Quart Blue Star	9.86
32 93 23 00-0024	EA	1 Gallon Blue Star	15.71
32 93 23 00-0025	EA	1 Quart Cardinal Flower	5.48
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	13.70
32 93 23 00-0027	EA	4" Pot Columbine	3.29
32 93 23 00-0028	EA	1 Quart Columbine	5.48
32 93 23 00-0029	EA	1 Gallon Columbine	13.70
32 93 23 00-0030	EA	1 Quart Common Globeflower	5.48
32 93 23 00-0031	EA	1 Gallon Common Globeflower	13.70
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink	5.48
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink	13.70
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland'	19.73
32 93 23 00-0035	EA	1 Quart Diploid	6.94
32 93 23 00-0036	EA	1 Gallon Diploid	15.71
32 93 23 00-0037	EA	3 Gallon Diploid	27.04
32 93 23 00-0038	EA	4" Pot Dune Sunflower	7.82
32 93 23 00-0039	EA	1 Quart Evans Begonia	9.86
32 93 23 00-0040	EA	1 Gallon Evans Begonia	17.72
32 93 23 00-0041	EA	1 Quart False Dragonhead	5.48
32 93 23 00-0042	EA	1 Gallon False Dragonhead	13.70
32 93 23 00-0043	EA	1 Quart False Spirea	5.48
32 93 23 00-0044	EA	1 Gallon False Spirea	17.72
32 93 23 00-0045	EA	3 Gallon False Spirea	24.48
32 93 23 00-0046	EA	2 Quart False Sunflower	8.77
32 93 23 00-0047	EA	1 Gallon False Sunflower	13.70
32 93 23 00-0048	EA	2 Gallon False Sunflower	17.72
32 93 23 00-0049	EA	1 Gallon Foxglove	12.60
32 93 23 00-0050	EA	2 Gallon Foxglove	17.72
32 93 23 00-0051	EA	3 Gallon Foxglove	25.57
32 93 23 00-0052	EA	1 Gallon Francee Hostas	22.19
32 93 23 00-0053	EA	1 Quart Garden Phlox	5.48
32 93 23 00-0054	EA	1 Gallon Garden Phlox	13.70
32 93 23 00-0055	EA	2 Quart Golden Groundsel	11.69
32 93 23 00-0056	EA	2 Gallon Golden Groundsel	23.57
32 93 23 00-0057	EA	1 Quart Golden Star	5.48
32 93 23 00-0058	EA	1 Gallon Golden Star	13.70
32 93 23 00-0059	EA	1 Quart Goldenrod	5.48
32 93 23 00-0060	EA	1 Gallon Goldenrod	13.70
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylilies	25.51
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy	3.29
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy	5.48
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy	13.70
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum	4.75
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum	7.86

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 23 00-0067	EA	1	Gallon Hardy Chrysanthemum	12.60	
32 93 23 00-0068	EA	1	Gallon Herbaceous Peony	19.55	
32 93 23 00-0069	EA	2	Gallon Herbaceous Peony	31.24	
32 93 23 00-0070	EA	3	Gallon Herbaceous Peony	41.10	
32 93 23 00-0071	EA	4"	Pot Japanese Anemone	3.29	
32 93 23 00-0072	EA	1	Quart Japanese Anemone	9.86	
32 93 23 00-0073	EA	2	Gallon Japanese Anemone	17.72	
32 93 23 00-0074	EA	2"	Pot Japanese Spurge	1.95	
32 93 23 00-0075	EA	6"	Pot Japanese Spurge	2.92	
32 93 23 00-0076	EA	1	Gallon Japanese Spurge	12.59	
32 93 23 00-0077	EA	1	Quart Oriental Poppy	7.86	
32 93 23 00-0078	EA	1	Gallon Oriental Poppy	15.71	
32 93 23 00-0079	EA	48	Plant Flat Pachysandra terminalis	65.12	
32 93 23 00-0080	EA	1	Gallon Pacific Coast Iris	10.78	
32 93 23 00-0081	EA	3	Gallon Pacific Coast Iris	20.46	
32 93 23 00-0082	EA	1	Gallon Palace Purple Coral Bells	20.74	
32 93 23 00-0083	EA	4"	Pot Perennial Salvia	3.29	
32 93 23 00-0084	EA	1	Quart Perennial Salvia	5.48	
32 93 23 00-0085	EA	1	Gallon Perennial Salvia	13.70	
32 93 23 00-0086	EA	1	Quart Pincushion Flower	5.48	
32 93 23 00-0087	EA	1	Gallon Pincushion Flower	13.70	
32 93 23 00-0088	EA	2	Quart Plantain Lily	10.59	
32 93 23 00-0089	EA	1	Gallon Plantain Lily	14.98	
32 93 23 00-0090	EA	2	Gallon Plantain Lily	24.84	
32 93 23 00-0091	EA	3	Gallon Plantain Lily	46.95	
32 93 23 00-0092	EA	2	Quart Purple Coneflower	9.86	
32 93 23 00-0093	EA	1	Gallon Purple Coneflower	13.70	
32 93 23 00-0094	EA	2	Gallon Purple Coneflower	17.72	
32 93 23 00-0095	EA	1	Quart Purple Loosestrife	5.48	
32 93 23 00-0096	EA	1	Gallon Purple Loosestrife	13.70	
32 93 23 00-0097	EA	1	Quart Rose Mallow	10.78	
32 93 23 00-0098	EA	2	Gallon Rose Mallow	19.55	
32 93 23 00-0099	EA	3	Gallon Rose Mallow	33.43	
32 93 23 00-0100	EA	1	Gallon Autumn Joy Sedum	20.89	
32 93 23 00-0101	EA	1	Quart Siberian Iris	9.32	
32 93 23 00-0102	EA	2	Gallon Siberian Iris	17.72	
32 93 23 00-0103	EA	3	Gallon Siberian Iris	24.48	
32 93 23 00-0104	EA	1	Quart Speedwell	5.48	
32 93 23 00-0105	EA	1	Gallon Speedwell	13.70	
32 93 23 00-0106	EA	1	Quart Tetraploid	13.70	
32 93 23 00-0107	EA	1	Gallon Tetraploid	25.57	
32 93 23 00-0108	EA	3	Gallon Tetraploid	34.89	
32 93 23 00-0109	EA	1	Quart Threadleaf Coreopsis	5.48	
32 93 23 00-0110	EA	1	Gallon Threadleaf Coreopsis	13.70	
32 93 23 00-0111	EA	1	Quart Torch Lily	5.48	
32 93 23 00-0112	EA	1	Quart Bluebeard	9.86	
32 93 23 00-0113	EA	1	Gallon Bluebeard	14.62	
32 93 23 00-0114	EA	2	Gallon Bluebeard	21.37	

32 93 23 00-0115 **Annuals** (32 93 23)

32 93 23 00-0116	EA	2-1/2"	Pot Annual Flowers	2.54	
32 93 23 00-0117	EA	3"	Pot Annual Flowers	3.44	
32 93 23 00-0118	EA	4"	Pot Annual Flowers	7.35	
32 93 23 00-0119	EA	5-1/2"	Pot Annual Flowers	9.78	
32 93 23 00-0120	EA	6"	Pot Annual Flowers	19.36	
32 93 23 00-0121	EA	8"	Pot Annual Flowers	32.26	
32 93 23 00-0122	EA	36	Plant Flat Annual Flowers	42.24	
32 93 23 00-0123	EA	48	Plant Flat Annual Flowers	47.91	

32 93 23 00-0124 **Bulbs** (32 93 23)

32 93 23 00-0125	EA	Top Size	Allium giganteum - Giant Ornamental Onion	8.84	
32 93 23 00-0126	EA	Top Size	Allium sphaerocephalum - Drumstick Ornamental Onion	0.51	
32 93 23 00-0127	EA	Top Size	Crocus Hybrid	0.58	
32 93 23 00-0128	EA	Top Size	Eranthis hyemalis - Winter Aconite	0.75	
32 93 23 00-0129	EA	Top Size	Galanthus nivalis - Snowdrops	0.95	
32 93 23 00-0130	EA	Top Size	Iris reticulata cvs - Dutch Iris	0.37	
32 93 23 00-0131	EA	Top Size	Muscari armeniacum - Grape Hyacinth	0.44	
32 93 23 00-0132	EA	Top Size	Muscari latifolium - Grape Hyacinth	0.51	
32 93 23 00-0133	EA	Narcissus	'Carlton' - Carlton Daffodil DNI	3.06	
32 93 23 00-0134	EA	Narcissus	'Dutch Master' - Dutch Master Daffodil DNI	1.46	
32 93 23 00-0135	EA	Narcissus	'February Gold' - February Gold Daffodil DNI	1.53	
32 93 23 00-0136	EA	Narcissus	'Ice Follies' - Ice Follies Daffodil DNI	1.53	
32 93 23 00-0137	EA	Narcissus	'Mount Hood' - Mount Hood Daffodil DNI	1.60	
32 93 23 00-0138	EA	Narcissus	'Papillon Blanc' - Papillon Blanc Daffodil DNI	1.70	
32 93 23 00-0139	EA	Narcissus	'Pipit' - Pipit Daffodil DNI	1.60	
32 93 23 00-0140	EA	Narcissus	'Salome' - Salome Daffodil DNI	1.50	
32 93 23 00-0141	EA	Narcissus	'Tete A Tete' - Tete A Tete Daffodil DNI	1.60	
32 93 23 00-0142	EA	Narcissus	'Thalia' - Thalia Daffodil DNI	1.60	
32 93 23 00-0143	EA	Top Size	Scilla siberica - Siberian Squill	0.48	
32 93 23 00-0144	EA	Top Size	Tulip 'Angelique' - Angelique Tulip	1.36	
32 93 23 00-0145	EA	Top Size	Tulip 'Apeldoorn' - Apeldoorn Tulip	1.02	
32 93 23 00-0146	EA	Top Size	Tulip 'Apricot Beauty' - Apricot Beauty Tulip	1.36	
32 93 23 00-0147	EA	Top Size	Tulip 'Big Smile' - Big Smile Tulip	1.19	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 23 00-0148	EA	Top Size Tulip 'Black Parrot' - Black Parrot Tulip	1.70	
32 93 23 00-0149	EA	Top Size Tulip 'Blue Heron' - Blue Heron Tulip	1.29	
32 93 23 00-0150	EA	Top Size Tulip 'Cardinal' - Cardinal Tulip	1.12	
32 93 23 00-0151	EA	Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	1.26	
32 93 23 00-0152	EA	Top Size Tulip clusiana - Species Tulip	1.26	
32 93 23 00-0153	EA	Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	1.26	
32 93 23 00-0154	EA	Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	1.02	
32 93 23 00-0155	EA	Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip	0.99	
32 93 23 00-0156	EA	Top Size Tulip 'Halcro' - Halcro Tulip	1.02	
32 93 23 00-0157	EA	Top Size Tulip 'Ivory Floridale' - Ivory Floridale Tulip	1.70	
32 93 23 00-0158	EA	Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip	1.02	
32 93 23 00-0159	EA	Top Size Tulip 'Passionale' - Passionale Tulip	1.36	
32 93 23 00-0160	EA	Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	1.46	
32 93 23 00-0161	EA	Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip	1.53	
32 93 23 00-0162	EA	Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip	1.22	
32 93 23 00-0163	EA	Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip	1.16	
32 93 23 00-0164	EA	Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip	1.26	
32 93 23 00-0165	EA	Top Size Tulip 'Princesps' - Princesps Tulip	1.26	
32 93 23 00-0166	EA	Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip	0.99	
32 93 23 00-0167	EA	Top Size Tulip saxatilis - Species Tulip	0.68	
32 93 23 00-0168	EA	Top Size Tulip 'Shirley' - Shirley Tulip	1.02	
32 93 23 00-0169	EA	Top Size Tulip 'Spring Green' - Spring Green Tulip	1.33	
32 93 23 00-0170	EA	Top Size Tulip 'White Emperor' - White Emperor Tulip	1.02	

**32 93 33 Shrubs** (32 93)

Note: (cvs = cultivar) materials only. See CSI section 32 93 83 00-0038 for installation and planting of shrubs.

**32 93 33 00-0001****Shrubs** (32 93 33)

32 93 33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia	9.97	
32 93 33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia	20.31	
32 93 33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia	38.99	
32 93 33 00-0005	EA	1 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	6.43	
32 93 33 00-0006	EA	5 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	15.91	
32 93 33 00-0007	EA	15 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	63.17	
32 93 33 00-0008	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	116.47	
32 93 33 00-0009	EA	18" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	170.23	
32 93 33 00-0010	EA	24" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	189.94	
32 93 33 00-0011	EA	30" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	240.12	
32 93 33 00-0012	EA	36" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	267.00	
32 93 33 00-0013	EA	18" B&B Aesculus parviflora - Bottlebrush Buckeye	53.76	
32 93 33 00-0014	EA	24" B&B Aesculus parviflora - Bottlebrush Buckeye	71.68	
32 93 33 00-0015	EA	30" B&B Aesculus parviflora - Bottlebrush Buckeye	89.60	
32 93 33 00-0016	EA	1 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	6.43	
32 93 33 00-0017	EA	5 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	15.91	
32 93 33 00-0018	EA	36" B&B Aronia arbutifolia & cvs - Red Chokeberry	54.40	
32 93 33 00-0019	EA	42" B&B Aronia arbutifolia & cvs - Red Chokeberry	64.00	
32 93 33 00-0020	EA	48" B&B Aronia arbutifolia & cvs - Red Chokeberry	76.80	
32 93 33 00-0021	EA	60" B&B Aronia arbutifolia & cvs - Red Chokeberry	89.60	
32 93 33 00-0022	EA	72" B&B Aronia arbutifolia & cvs - Red Chokeberry	108.80	
32 93 33 00-0023	EA	36" B&B Aronia melanocarpa & cvs - Black Chokeberry	52.80	
32 93 33 00-0024	EA	42" B&B Aronia melanocarpa & cvs - Black Chokeberry	56.00	
32 93 33 00-0025	EA	48" B&B Aronia melanocarpa & cvs - Black Chokeberry	59.20	
32 93 33 00-0026	EA	60" B&B Aronia melanocarpa & cvs - Black Chokeberry	67.20	
32 93 33 00-0027	EA	36" B&B Aronia prunifolia - Purple-Fruited Chokeberry	53.60	
32 93 33 00-0028	EA	42" B&B Aronia prunifolia - Purple-Fruited Chokeberry	56.80	
32 93 33 00-0029	EA	48" B&B Aronia prunifolia - Purple-Fruited Chokeberry	60.00	
32 93 33 00-0030	EA	60" B&B Aronia prunifolia - Purple-Fruited Chokeberry	63.20	
32 93 33 00-0031	EA	1 Gallon Aspidistra elatior - Cast Iron Plant	11.00	
32 93 33 00-0032	EA	2 Gallon Aspidistra elatior - Cast Iron Plant	25.44	
32 93 33 00-0033	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	12.89	
32 93 33 00-0034	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	28.36	
32 93 33 00-0035	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	38.33	
32 93 33 00-0036	EA	1 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	6.43	
32 93 33 00-0037	EA	5 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	15.91	
32 93 33 00-0038	EA	1 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush	6.43	
32 93 33 00-0039	EA	5 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush	15.91	
32 93 33 00-0040	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	13.75	
32 93 33 00-0041	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	20.11	
32 93 33 00-0042	EA	15" To 18" Berberis - Northern Bayberry	57.41	
32 93 33 00-0043	EA	2' To 2-1/2' Berberis - Northern Bayberry	72.88	
32 93 33 00-0044	EA	2-1/2' To 3' Berberis - Northern Bayberry	102.10	
32 93 33 00-0045	EA	1 Gallon Berberis Buxifolia 'Nana' - Barberry	7.26	
32 93 33 00-0046	EA	5 Gallon Berberis Buxifolia 'Nana' - Barberry	17.50	
32 93 33 00-0047	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry	61.36	
32 93 33 00-0048	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry	78.55	
32 93 33 00-0049	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry	100.38	
32 93 33 00-0050	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry	16.50	
32 93 33 00-0051	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry	32.49	
32 93 33 00-0052	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry	39.70	
32 93 33 00-0053	EA	1 Gallon Berberis x mentorensis - Mentor Barberry	15.64	
32 93 33 00-0054	EA	5 Gallon Berberis x mentorensis - Mentor Barberry	44.17	
32 93 33 00-0055	EA	2' To 3' Berberis x mentorensis - Mentor Barberry	61.36	
32 93 33 00-0056	EA	3' To 4' Berberis x mentorensis - Mentor Barberry	94.71	
32 93 33 00-0057	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood	17.88	
32 93 33 00-0058	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood	47.95	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0059	EA	12"	To 15" Buxus microphylla japonica - Japanese Boxwood.....	51.05	
32 93 33 00-0060	EA	15"	To 18" Buxus microphylla japonica - Japanese Boxwood.....	65.66	
32 93 33 00-0061	EA	18"	To 24" Buxus microphylla japonica - Japanese Boxwood.....	87.49	
32 93 33 00-0062	EA	24"	To 30" Buxus microphylla japonica - Japanese Boxwood.....	131.32	
32 93 33 00-0063	EA	30"	To 36" Buxus microphylla japonica - Japanese Boxwood.....	182.36	
32 93 33 00-0064	EA	12"	To 15" Buxus sempervirens - Common Boxwood.....	51.05	
32 93 33 00-0065	EA	15"	To 18" Buxus sempervirens - Common Boxwood.....	65.66	
32 93 33 00-0066	EA	18"	To 24" Buxus sempervirens - Common Boxwood.....	87.49	
32 93 33 00-0067	EA	24"	To 30" Buxus sempervirens - Common Boxwood.....	131.32	
32 93 33 00-0068	EA	2	Gallon Buxus Hybrid - Boxwood Cultivars.....	33.60	
32 93 33 00-0069	EA	5	Gallon Buxus Hybrid - Boxwood Cultivars.....	56.00	
32 93 33 00-0070	EA	5	Gallon Buxus microphylla & cvs - Little leaf Boxwood.....	147.20	
32 93 33 00-0071	EA	18"	B&B Buxus microphylla & cvs - Little leaf Boxwood.....	80.00	
32 93 33 00-0072	EA	24"	B&B Buxus microphylla & cvs - Little leaf Boxwood.....	108.80	
32 93 33 00-0073	EA	30"	B&B Buxus microphylla & cvs - Little leaf Boxwood.....	147.20	
32 93 33 00-0074	EA	1	Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush.....	5.78	
32 93 33 00-0075	EA	5	Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush.....	17.77	
32 93 33 00-0076	EA	15	Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush.....	57.76	
32 93 33 00-0077	EA	5	Gallon Calycanthus floridus - Common Sweetshrub.....	52.80	
32 93 33 00-0078	EA	30"	B&B Calycanthus floridus - Common Sweetshrub.....	48.00	
32 93 33 00-0079	EA	36"	B&B Calycanthus floridus - Common Sweetshrub.....	64.00	
32 93 33 00-0080	EA	1	Gallon Camellia "Sasanqua" - Camellia.....	12.89	
32 93 33 00-0081	EA	3	Gallon Camellia "Sasanqua" - Camellia.....	27.50	
32 93 33 00-0082	EA	5	Gallon Camellia "Sasanqua" - Camellia.....	45.72	
32 93 33 00-0083	EA	7	Gallon Camellia "Sasanqua" - Camellia.....	68.08	
32 93 33 00-0084	EA	15	Gallon Camellia "Sasanqua" - Camellia.....	176.64	
32 93 33 00-0085	EA	1	Gallon Camellia japonica - Camellia.....	12.89	
32 93 33 00-0086	EA	3	Gallon Camellia japonica - Camellia.....	27.50	
32 93 33 00-0087	EA	5	Gallon Camellia japonica - Camellia.....	45.72	
32 93 33 00-0088	EA	5	Gallon Ceanothus americanus - New Jersey Tea.....	52.80	
32 93 33 00-0089	EA	1	Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus.....	7.26	
32 93 33 00-0090	EA	5	Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus.....	18.89	
32 93 33 00-0091	EA	5	Gallon Celastrus scandens - Bittersweet.....	52.80	
32 93 33 00-0092	EA	36"	B&B Celastrus scandens - Bittersweet.....	44.80	
32 93 33 00-0093	EA	5	Gallon Cephalanthus occidentalis - Buttonbush.....	52.80	
32 93 33 00-0094	EA	24"	B&B Cephalanthus occidentalis - Buttonbush.....	40.00	
32 93 33 00-0095	EA	30"	B&B Cephalanthus occidentalis - Buttonbush.....	44.80	
32 93 33 00-0096	EA	36"	B&B Cephalanthus occidentalis - Buttonbush.....	48.00	
32 93 33 00-0097	EA	18"	To 24" Chaenomeles speciosa - Flowering Quince.....	46.06	
32 93 33 00-0098	EA	2'	To 3' Chaenomeles speciosa - Flowering Quince.....	61.36	
32 93 33 00-0099	EA	3'	To 4' Chaenomeles speciosa - Flowering Quince.....	94.71	
32 93 33 00-0100	EA	1	Gallon Cistus Hybridus - White Rockrose.....	6.43	
32 93 33 00-0101	EA	5	Gallon Cistus Hybridus - White Rockrose.....	15.91	
32 93 33 00-0102	EA	3	Gallon Clethra alnifolia & cvs - Summersweet Clethra.....	51.20	
32 93 33 00-0103	EA	18"	B&B Clethra alnifolia & cvs - Summersweet Clethra.....	55.20	
32 93 33 00-0104	EA	24"	B&B Clethra alnifolia & cvs - Summersweet Clethra.....	61.60	
32 93 33 00-0105	EA	30"	B&B Clethra alnifolia & cvs - Summersweet Clethra.....	64.80	
32 93 33 00-0106	EA	36"	B&B Clethra alnifolia & cvs - Summersweet Clethra.....	76.00	
32 93 33 00-0107	EA	1	Gallon Coleonema Pulchellum - Confetti Bush.....	6.43	
32 93 33 00-0108	EA	5	Gallon Coleonema Pulchellum - Confetti Bush.....	15.91	
32 93 33 00-0109	EA	15	Gallon Coleonema Pulchellum - Confetti Bush.....	74.51	
32 93 33 00-0110	EA	2'	To 3' Cornus mas - Cornelian Cherry.....	72.88	
32 93 33 00-0111	EA	3'	To 4' Cornus mas - Cornelian Cherry.....	91.10	
32 93 33 00-0112	EA	4'	To 5' Cornus mas - Cornelian Cherry.....	116.71	
32 93 33 00-0113	EA	5'	To 6' Cornus mas - Cornelian Cherry.....	160.36	
32 93 33 00-0114	EA	5	Gallon Cornus alba & cvs - Tartarian Dogwood.....	48.00	
32 93 33 00-0115	EA	36"	B&B Cornus alba & cvs - Tartarian Dogwood.....	33.60	
32 93 33 00-0116	EA	48"	B&B Cornus alba & cvs - Tartarian Dogwood.....	38.40	
32 93 33 00-0117	EA	60"	B&B Cornus alba & cvs - Tartarian Dogwood.....	48.00	
32 93 33 00-0118	EA	72"	B&B Cornus alba & cvs - Tartarian Dogwood.....	57.60	
32 93 33 00-0119	EA	36"	B&B Cornus amomum - Silky Dogwood.....	48.00	
32 93 33 00-0120	EA	5	Gallon Cornus obliqua - Blue Fruited Dogwood.....	52.80	
32 93 33 00-0121	EA	5	Gallon Cornus racemosa - Gray Dogwood.....	52.80	
32 93 33 00-0122	EA	36"	B&B Cornus racemosa - Gray Dogwood.....	48.00	
32 93 33 00-0123	EA	48"	B&B Cornus racemosa - Gray Dogwood.....	56.00	
32 93 33 00-0124	EA	60"	B&B Cornus racemosa - Gray Dogwood.....	60.80	
32 93 33 00-0125	EA	72"	B&B Cornus racemosa - Gray Dogwood.....	73.60	
32 93 33 00-0126	EA	36"	B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	52.00	
32 93 33 00-0127	EA	48"	B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	58.40	
32 93 33 00-0128	EA	60"	B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	66.40	
32 93 33 00-0129	EA	24"	B&B Cornus sericea & cvs - Redosier Dogwood.....	41.60	
32 93 33 00-0130	EA	30"	B&B Cornus sericea & cvs - Redosier Dogwood.....	48.00	
32 93 33 00-0131	EA	36"	B&B Cornus sericea & cvs - Redosier Dogwood.....	51.20	
32 93 33 00-0132	EA	48"	B&B Cornus sericea & cvs - Redosier Dogwood.....	56.00	
32 93 33 00-0133	EA	60"	B&B Cornus sericea & cvs - Redosier Dogwood.....	62.40	
32 93 33 00-0134	EA	5	Gallon Corylus americana - American Filbert.....	49.60	
32 93 33 00-0135	EA	30"	B&B Corylus americana - American Filbert.....	56.00	
32 93 33 00-0136	EA	36"	B&B Corylus americana - American Filbert.....	60.00	
32 93 33 00-0137	EA	48"	B&B Corylus americana - American Filbert.....	64.80	
32 93 33 00-0138	EA	24"	B&B Corylus avellana - Contorted Hazelnut.....	160.00	
32 93 33 00-0139	EA	30"	B&B Corylus avellana - Contorted Hazelnut.....	207.99	
32 93 33 00-0140	EA	36"	B&B Corylus avellana - Contorted Hazelnut.....	223.99	
32 93 33 00-0141	EA	42"	B&B Corylus avellana - Contorted Hazelnut.....	287.99	
32 93 33 00-0142	EA	48"	B&B Corylus avellana - Contorted Hazelnut.....	351.99	
32 93 33 00-0143	EA	60"	B&B Corylus avellana - Contorted Hazelnut.....	399.99	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0144	EA	5'	To 6' Cotinus coggygria - Smoke Tree .....	153.14	
32 93 33 00-0145	EA	6'	To 8' Cotinus coggygria - Smoke Tree .....	229.63	
32 93 33 00-0146	EA	8'	To 10' Cotinus coggygria - Smoke Tree .....	346.34	
32 93 33 00-0147	EA	5	Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	40.00	
32 93 33 00-0148	EA	18"	B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	40.00	
32 93 33 00-0149	EA	24"	B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	41.60	
32 93 33 00-0150	EA	12"	To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster.....	38.33	
32 93 33 00-0151	EA	3	Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	41.60	
32 93 33 00-0152	EA	18"	B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	40.00	
32 93 33 00-0153	EA	24"	B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	41.60	
32 93 33 00-0154	EA	1	Gallon Cotoneaster divaricatus - Spreading Cotoneaster.....	16.50	
32 93 33 00-0155	EA	2'	To 3' Cotoneaster divaricatus - Spreading Cotoneaster.....	51.05	
32 93 33 00-0156	EA	3'	To 4' Cotoneaster divaricatus - Spreading Cotoneaster.....	68.92	
32 93 33 00-0157	EA	4'	To 5' Cotoneaster divaricatus - Spreading Cotoneaster.....	116.71	
32 93 33 00-0158	EA	1	Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster.....	6.43	
32 93 33 00-0159	EA	5	Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster.....	15.91	
32 93 33 00-0160	EA	1	Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	16.50	
32 93 33 00-0161	EA	2	Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	32.49	
32 93 33 00-0162	EA	1	Gallon Cotoneaster lacteus - Red Clusterberry.....	6.43	
32 93 33 00-0163	EA	5	Gallon Cotoneaster lacteus - Red Clusterberry.....	15.91	
32 93 33 00-0164	EA	15	Gallon Cotoneaster lacteus - Red Clusterberry.....	63.17	
32 93 33 00-0165	EA	1	Gallon Dendromecon harfordii - Island Bush Poppy.....	14.81	
32 93 33 00-0166	EA	5	Gallon Dendromecon harfordii - Island Bush Poppy.....	37.03	
32 93 33 00-0167	EA	18"	B&B Deutzia gracilis - Slender Deutzia.....	40.80	
32 93 33 00-0168	EA	24"	B&B Deutzia gracilis - Slender Deutzia.....	44.80	
32 93 33 00-0169	EA	30"	B&B Deutzia gracilis - Slender Deutzia.....	57.60	
32 93 33 00-0170	EA	36"	B&B Deutzia gracilis - Slender Deutzia.....	67.20	
32 93 33 00-0171	EA	42"	B&B Deutzia gracilis - Slender Deutzia.....	76.80	
32 93 33 00-0172	EA	24"	B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	64.00	
32 93 33 00-0173	EA	30"	B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	76.80	
32 93 33 00-0174	EA	36"	B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	89.60	
32 93 33 00-0175	EA	2	Gallon Diervilla splendens - Splendens Bush Honeysuckle.....	24.00	
32 93 33 00-0176	EA	36"	B&B Diervilla splendens - Splendens Bush Honeysuckle.....	57.60	
32 93 33 00-0177	EA	48"	B&B Diervilla splendens - Splendens Bush Honeysuckle.....	76.80	
32 93 33 00-0178	EA	1	Gallon Elaeagnus - Silverberry.....	14.72	
32 93 33 00-0179	EA	3	Gallon Elaeagnus - Silverberry.....	29.44	
32 93 33 00-0180	EA	5	Gallon Elaeagnus - Silverberry.....	40.48	
32 93 33 00-0181	EA	5	Gallon Elaeagnus angustifolia - Russian Olive.....	15.91	
32 93 33 00-0182	EA	1	Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry.....	6.43	
32 93 33 00-0183	EA	5	Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry.....	15.91	
32 93 33 00-0184	EA	15	Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry.....	63.17	
32 93 33 00-0185	EA	1	Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry.....	6.43	
32 93 33 00-0186	EA	5	Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry.....	15.91	
32 93 33 00-0187	EA	15	Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry.....	63.17	
32 93 33 00-0188	EA	3'	To 4' Elaeagnus umbellata - Autumn Olive.....	47.78	
32 93 33 00-0189	EA	4'	To 5' Elaeagnus umbellata - Autumn Olive.....	65.66	
32 93 33 00-0190	EA	5'	To 6' Elaeagnus umbellata - Autumn Olive.....	78.55	
32 93 33 00-0191	EA	3'	To 4' Elaeagnus angustifolia - Russian Olive.....	76.49	
32 93 33 00-0192	EA	1	Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia.....	6.43	
32 93 33 00-0193	EA	5	Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia.....	15.91	
32 93 33 00-0194	EA	15	Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia.....	63.17	
32 93 33 00-0195	EA	1	Gallon Euonymus - Gold Spot.....	13.75	
32 93 33 00-0196	EA	2	Gallon Euonymus - Gold Spot.....	28.88	
32 93 33 00-0197	EA	5	Gallon Euonymus - Gold Spot.....	39.71	
32 93 33 00-0198	EA	1	Gallon Euonymus alatus - Winged Euonymus.....	11.74	
32 93 33 00-0199	EA	3	Gallon Euonymus alatus - Winged Euonymus.....	33.86	
32 93 33 00-0200	EA	24"	B&B Euonymus alatus - Winged Euonymus.....	45.63	
32 93 33 00-0201	EA	30"	B&B Euonymus alatus - Winged Euonymus.....	57.04	
32 93 33 00-0202	EA	36"	B&B Euonymus alatus - Winged Euonymus.....	78.38	
32 93 33 00-0203	EA	42"	B&B Euonymus alatus - Winged Euonymus.....	96.78	
32 93 33 00-0204	EA	48"	B&B Euonymus alatus - Winged Euonymus.....	114.08	
32 93 33 00-0205	EA	54"	B&B Euonymus alatus - Winged Euonymus.....	147.20	
32 93 33 00-0206	EA	5	Gallon Euonymus alatus - Winged Euonymus.....	42.32	
32 93 33 00-0207	EA	60"	B&B Euonymus alatus - Winged Euonymus.....	184.00	
32 93 33 00-0208	EA	30"	B&B Euonymus alatus compactus - Compact Winged Euonymus.....	72.00	
32 93 33 00-0209	EA	36"	B&B Euonymus alatus compactus - Compact Winged Euonymus.....	85.60	
32 93 33 00-0210	EA	42"	B&B Euonymus alatus compactus - Compact Winged Euonymus.....	112.00	
32 93 33 00-0211	EA	48"	B&B Euonymus alatus compactus - Compact Winged Euonymus.....	134.40	
32 93 33 00-0212	EA	60"	B&B Euonymus alatus compactus - Compact Winged Euonymus.....	166.40	
32 93 33 00-0213	EA	18"	To 24" Euonymus alatus - Winged Burning Bush.....	51.05	
32 93 33 00-0214	EA	2'	To 2-1/2' Euonymus alatus - Winged Burning Bush.....	60.16	
32 93 33 00-0215	EA	2-1/2'	To 3' Euonymus alatus - Winged Burning Bush.....	82.16	
32 93 33 00-0216	EA	3'	To 3-1/2' Euonymus alatus - Winged Burning Bush.....	98.49	
32 93 33 00-0217	EA	3-1/2'	To 4' Euonymus alatus - Winged Burning Bush.....	123.92	
32 93 33 00-0218	EA	4'	To 5' Euonymus alatus - Winged Burning Bush.....	174.97	
32 93 33 00-0219	EA	5'	To 6' Euonymus alatus - Winged Burning Bush.....	218.80	
32 93 33 00-0220	EA	6'	To 8' Euonymus alatus - Winged Burning Bush.....	255.24	
32 93 33 00-0221	EA	15"	To 18" Euonymus alatus - Dwarf Winged Burning Bush.....	51.05	
32 93 33 00-0222	EA	18"	To 24" Euonymus alatus - Dwarf Winged Burning Bush.....	58.27	
32 93 33 00-0223	EA	2'	To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush.....	71.16	
32 93 33 00-0224	EA	2-1/2'	To 3' Euonymus alatus - Dwarf Winged Burning Bush.....	100.38	
32 93 33 00-0225	EA	3'	To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush.....	118.60	
32 93 33 00-0226	EA	3-1/2'	To 4' Euonymus alatus - Dwarf Winged Burning Bush.....	142.14	
32 93 33 00-0227	EA	4'	To 5' Euonymus alatus - Dwarf Winged Burning Bush.....	200.58	
32 93 33 00-0228	EA	5'	To 6' Euonymus alatus - Dwarf Winged Burning Bush.....	237.02	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0229	EA	36"	B&B Euonymus atropurpurea - Eastern Wahoo	43.20	
32 93 33 00-0230	EA	1	Gallon Euonymus fortunei - Wintercreeper	16.50	
32 93 33 00-0231	EA	2	Gallon Euonymus fortunei - Wintercreeper	32.49	
32 93 33 00-0232	EA	3	Gallon Euonymus fortunei - Wintercreeper	39.71	
32 93 33 00-0233	EA	5	Gallon Euonymus fortunei - Wintercreeper	47.10	
32 93 33 00-0234	EA	1	Gallon Euonymus japonicus - Evergreen Spindle	6.43	
32 93 33 00-0235	EA	5	Gallon Euonymus japonicus - Evergreen Spindle	15.91	
32 93 33 00-0236	EA	15	Gallon Euonymus japonicus - Evergreen Spindle	63.17	
32 93 33 00-0237	EA	2'	To 3' Forsythia - Korean Forsythia	36.44	
32 93 33 00-0238	EA	3'	To 4' Forsythia - Korean Forsythia	46.06	
32 93 33 00-0239	EA	4'	To 5' Forsythia - Korean Forsythia	57.41	
32 93 33 00-0240	EA	30"	B&B Forsythia cvs - Forsythia cultivars	36.80	
32 93 33 00-0241	EA	36"	B&B Forsythia cvs - Forsythia cultivars	40.80	
32 93 33 00-0242	EA	48"	B&B Forsythia cvs - Forsythia cultivars	44.00	
32 93 33 00-0243	EA	18"	B&B Forsythia viridissima & cvs - Green Forsythia	38.40	
32 93 33 00-0244	EA	24"	B&B Forsythia viridissima & cvs - Green Forsythia	51.20	
32 93 33 00-0245	EA	24"	B&B Forsythia x intermedia & cvs - Border Forsythia	38.40	
32 93 33 00-0246	EA	30"	B&B Forsythia x intermedia & cvs - Border Forsythia	44.80	
32 93 33 00-0247	EA	36"	B&B Forsythia x intermedia & cvs - Border Forsythia	52.80	
32 93 33 00-0248	EA	42"	B&B Forsythia x intermedia & cvs - Border Forsythia	60.80	
32 93 33 00-0249	EA	48"	B&B Forsythia x intermedia & cvs - Border Forsythia	70.40	
32 93 33 00-0250	EA	2	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	54.40	
32 93 33 00-0251	EA	3	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	76.00	
32 93 33 00-0252	EA	5	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	80.00	
32 93 33 00-0253	EA	15"	B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	83.20	
32 93 33 00-0254	EA	18"	B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	89.60	
32 93 33 00-0255	EA	24"	B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	108.80	
32 93 33 00-0256	EA	24"	B&B Fothergilla major - Large Fothergilla	140.80	
32 93 33 00-0257	EA	30"	B&B Fothergilla major - Large Fothergilla	160.00	
32 93 33 00-0258	EA	1	Gallon Gardenia jasminoides - Cape Jasmine	11.86	
32 93 33 00-0259	EA	3	Gallon Gardenia jasminoides - Cape Jasmine	31.11	
32 93 33 00-0260	EA	5	Gallon Gardenia jasminoides - Cape Jasmine	39.71	
32 93 33 00-0261	EA	1	Gallon Grevillea 'Noellii' - Noel's Grevillea	6.43	
32 93 33 00-0262	EA	5	Gallon Grevillea 'Noellii' - Noel's Grevillea	15.91	
32 93 33 00-0263	EA	15	Gallon Grevillea 'Noellii' - Noel's Grevillea	63.17	
32 93 33 00-0264	EA	36"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel	112.00	
32 93 33 00-0265	EA	48"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel	182.40	
32 93 33 00-0266	EA	60"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel	230.39	
32 93 33 00-0267	EA	72"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel	351.99	
32 93 33 00-0268	EA	84"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel	399.99	
32 93 33 00-0269	EA	1	Gallon Hedychium gartdnerum - Variegated Ginger	6.81	
32 93 33 00-0270	EA	3	Gallon Hedychium gartdnerum - Variegated Ginger	23.92	
32 93 33 00-0271	EA	5	Gallon Hedychium gartdnerum - Variegated Ginger	46.00	
32 93 33 00-0272	EA	1	Gallon Hibiscus rosa-sinensis - Hibiscus	17.44	
32 93 33 00-0273	EA	3	Gallon Hibiscus rosa-sinensis - Hibiscus	29.44	
32 93 33 00-0274	EA	5	Gallon Hibiscus rosa-sinensis - Hibiscus	44.53	
32 93 33 00-0275	EA	5	Gallon Hibiscus syriacus - Rose Of Sharon	46.06	
32 93 33 00-0276	EA	2'	To 3' Hibiscus syriacus - Rose Of Sharon	39.19	
32 93 33 00-0277	EA	3'	To 4' Hibiscus syriacus - Rose Of Sharon	52.94	
32 93 33 00-0278	EA	4'	To 5' Hibiscus syriacus - Rose Of Sharon	76.49	
32 93 33 00-0279	EA	5'	To 6' Hibiscus syriacus - Rose Of Sharon	105.71	
32 93 33 00-0280	EA	2	Gallon Hydrangea - Blue Hydrangea	32.49	
32 93 33 00-0281	EA	5	Gallon Hydrangea - Blue Hydrangea	45.72	
32 93 33 00-0282	EA	2'	To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	51.05	
32 93 33 00-0283	EA	3'	To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	58.27	
32 93 33 00-0284	EA	2	Gallon Hydrangea quercifolia - Oakleaf Hydrangea	32.49	
32 93 33 00-0285	EA	5	Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	56.00	
32 93 33 00-0286	EA	30"	B&B Hydrangea arborescens & cvs - Smooth Hydrangea	60.80	
32 93 33 00-0287	EA	36"	B&B Hydrangea arborescens & cvs - Smooth Hydrangea	70.40	
32 93 33 00-0288	EA	4	Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	73.60	
32 93 33 00-0289	EA	18"	B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea	57.60	
32 93 33 00-0290	EA	24"	B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea	76.80	
32 93 33 00-0291	EA	3	Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	33.60	
32 93 33 00-0292	EA	5	Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	40.00	
32 93 33 00-0293	EA	18"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea	34.40	
32 93 33 00-0294	EA	24"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea	36.80	
32 93 33 00-0295	EA	30"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea	41.60	
32 93 33 00-0296	EA	36"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea	48.00	
32 93 33 00-0297	EA	48"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea	64.00	
32 93 33 00-0298	EA	18"	B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	46.40	
32 93 33 00-0299	EA	24"	B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	52.80	
32 93 33 00-0300	EA	30"	B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	62.40	
32 93 33 00-0301	EA	2	Gallon Hypericum kalmianum - St. John's Wort	32.49	
32 93 33 00-0302	EA	3	Gallon Hypericum kalmianum - Kalm St. John's Wort	38.40	
32 93 33 00-0303	EA	24"	B&B Hypericum kalmianum - Kalm St. John's Wort	41.60	
32 93 33 00-0304	EA	1	Gallon Ilex "Carissa" - Holly	16.50	
32 93 33 00-0305	EA	2	Gallon Ilex "Carissa" - Holly	32.49	
32 93 33 00-0306	EA	5	Gallon Ilex "Carissa" - Holly	45.72	
32 93 33 00-0307	EA	18"	To 24" Ilex - Gulfside Sweet Holly	43.83	
32 93 33 00-0308	EA	2'	To 2-1/2' Ilex - Gulfside Sweet Holly	55.52	
32 93 33 00-0309	EA	2-1/2'	To 3' Ilex - Gulfside Sweet Holly	72.02	
32 93 33 00-0310	EA	3'	To 3-1/2' Ilex - Gulfside Sweet Holly	87.49	
32 93 33 00-0311	EA	3	Gallon Ilex cornuta - Dwarf Horned Holly	32.74	
32 93 33 00-0312	EA	1	Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	16.50	
32 93 33 00-0313	EA	2	Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	32.49	

## 32 Exterior Improvements

## 32 90 Planting

## 32 93 Plants

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0314	EA		5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly .....	47.10	
32 93 33 00-0315	EA		1 Gallon Ilex crenata - Hellers Japanese Holly .....	16.50	
32 93 33 00-0316	EA		2 Gallon Ilex crenata - Hellers Japanese Holly .....	36.10	
32 93 33 00-0317	EA		3 Gallon Ilex crenata - Hellers Japanese Holly .....	47.10	
32 93 33 00-0318	EA		2 Gallon Ilex crenata - Hetzi Japanese Holly .....	36.09	
32 93 33 00-0319	EA		3 Gallon Ilex crenata - Hetzi Japanese Holly .....	43.49	
32 93 33 00-0320	EA		2' To 3' Ilex crenata - Hetzi Japanese Holly .....	87.49	
32 93 33 00-0321	EA		3' To 4' Ilex crenata - Hetzi Japanese Holly .....	116.71	
32 93 33 00-0322	EA		2' To 3' Ilex opaca - American Holly .....	116.71	
32 93 33 00-0323	EA		3' To 4' Ilex opaca - American Holly .....	193.19	
32 93 33 00-0324	EA		4' To 5' Ilex opaca - American Holly .....	247.85	
32 93 33 00-0325	EA		5' To 6' Ilex opaca - American Holly .....	298.90	
32 93 33 00-0326	EA		6' To 7' Ilex opaca - American Holly .....	419.21	
32 93 33 00-0327	EA		7' To 8' Ilex opaca - American Holly .....	583.36	
32 93 33 00-0328	EA		8' To 10' Ilex opaca - American Holly .....	838.43	
32 93 33 00-0329	EA		10' To 12' Ilex opaca - American Holly .....	1,276.03	
32 93 33 00-0330	EA		12' To 14' Ilex opaca - American Holly .....	1,549.32	
32 93 33 00-0331	EA		14' To 16' Ilex opaca - American Holly .....	1,913.88	
32 93 33 00-0332	EA		2' To 3' Ilex verticillata - Winterberry (Female) .....	116.71	
32 93 33 00-0333	EA		3' To 4' Ilex verticillata - Winterberry (Female) .....	153.14	
32 93 33 00-0334	EA		2' To 3' Ilex verticillata - Winterberry (Male) .....	94.71	
32 93 33 00-0335	EA		3' To 4' Ilex verticillata - Winterberry (Male) .....	131.32	
32 93 33 00-0336	EA		4' To 5' Ilex verticillata - Winterberry (Male) .....	153.14	
32 93 33 00-0337	EA		1 Gallon Ilex vomitoria - Yaupon Holly .....	15.47	
32 93 33 00-0338	EA		3 Gallon Ilex vomitoria - Yaupon Holly .....	31.11	
32 93 33 00-0339	EA		10 Gallon Ilex vomitoria - Yaupon Holly .....	109.32	
32 93 33 00-0340	EA		18" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly .....	49.60	
32 93 33 00-0341	EA		24" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly .....	56.00	
32 93 33 00-0342	EA		3 Gallon Ilex meserveae & cvs - Blue Holly .....	64.00	
32 93 33 00-0343	EA		18" B&B Ilex meserveae & cvs - Blue Holly .....	59.20	
32 93 33 00-0344	EA		24" B&B Ilex meserveae & cvs - Blue Holly .....	72.00	
32 93 33 00-0345	EA		5 Gallon Ilex verticillata & cvs - Common Winterberry .....	52.80	
32 93 33 00-0346	EA		24" B&B Ilex verticillata & cvs - Common Winterberry .....	52.80	
32 93 33 00-0347	EA		30" B&B Ilex verticillata & cvs - Common Winterberry .....	56.00	
32 93 33 00-0348	EA		36" B&B Ilex verticillata & cvs - Common Winterberry .....	67.20	
32 93 33 00-0349	EA		42" B&B Ilex verticillata & cvs - Common Winterberry .....	75.20	
32 93 33 00-0350	EA		48" B&B Ilex verticillata & cvs - Common Winterberry .....	80.00	
32 93 33 00-0351	EA		60" B&B Ilex verticillata & cvs - Common Winterberry .....	102.40	
32 93 33 00-0352	EA		4' To 5' Ilex x attenuata "Foster" - Holly .....	189.58	
32 93 33 00-0353	EA		5' To 6' Ilex x attenuata "Foster" - Holly .....	251.46	
32 93 33 00-0354	EA		6' To 7' Ilex x attenuata "Foster" - Holly .....	224.99	
32 93 33 00-0355	EA		7' To 8' Ilex x attenuata "Foster" - Holly .....	437.43	
32 93 33 00-0356	EA		1 Gallon Jasminum - Jasmine .....	4.23	
32 93 33 00-0357	EA		3 Gallon Jasminum - Jasmine .....	16.56	
32 93 33 00-0358	EA		3 Gallon Jasminum - Orange Jasmine .....	12.88	
32 93 33 00-0359	EA		4' - 5' Jasminum - Orange Jasmine .....	147.20	
32 93 33 00-0360	EA		6' - 7' Jasminum - Orange Jasmine .....	294.39	
32 93 33 00-0361	EA		8' - 10' Jasminum - Orange Jasmine .....	397.43	
32 93 33 00-0362	EA		3 Gallon Juniperus chinensis cvs - Chinese Juniper .....	56.00	
32 93 33 00-0363	EA		5 Gallon Juniperus chinensis cvs - Chinese Juniper .....	62.40	
32 93 33 00-0364	EA		18" B&B Juniperus chinensis cvs - Chinese Juniper .....	83.20	
32 93 33 00-0365	EA		24" B&B Juniperus chinensis cvs - Chinese Juniper .....	108.80	
32 93 33 00-0366	EA		30" B&B Juniperus chinensis cvs - Chinese Juniper .....	128.00	
32 93 33 00-0367	EA		36" B&B Juniperus chinensis cvs - Chinese Juniper .....	172.80	
32 93 33 00-0368	EA		48" B&B Juniperus chinensis cvs - Chinese Juniper .....	236.79	
32 93 33 00-0369	EA		1 Gallon Juniperus horizontalis cvs - Creeping Juniper .....	26.68	
32 93 33 00-0370	EA		3 Gallon Juniperus horizontalis cvs - Creeping Juniper .....	56.00	
32 93 33 00-0371	EA		5 Gallon Juniperus horizontalis cvs - Creeping Juniper .....	62.40	
32 93 33 00-0372	EA		15" B&B Juniperus horizontalis cvs - Creeping Juniper .....	67.20	
32 93 33 00-0373	EA		18" B&B Juniperus horizontalis cvs - Creeping Juniper .....	73.60	
32 93 33 00-0374	EA		24" B&B Juniperus horizontalis cvs - Creeping Juniper .....	89.60	
32 93 33 00-0375	EA		30" B&B Juniperus horizontalis cvs - Creeping Juniper .....	108.80	
32 93 33 00-0376	EA		3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper .....	43.20	
32 93 33 00-0377	EA		18" B&B Juniperus procumbens cvs - Japanese Garden Juniper .....	51.20	
32 93 33 00-0378	EA		24" B&B Juniperus procumbens cvs - Japanese Garden Juniper .....	70.40	
32 93 33 00-0379	EA		30" B&B Juniperus procumbens cvs - Japanese Garden Juniper .....	89.60	
32 93 33 00-0380	EA		36" B&B Juniperus procumbens cvs - Japanese Garden Juniper .....	108.80	
32 93 33 00-0381	EA		3 Gallon Juniperus sabina cvs - Savin Juniper .....	40.00	
32 93 33 00-0382	EA		5 Gallon Juniperus sabina cvs - Savin Juniper .....	48.00	
32 93 33 00-0383	EA		4 Gallon Juniperus virginiana cvs - Red Cedar Juniper .....	41.60	
32 93 33 00-0384	EA		36" B&B Juniperus virginiana cvs - Red Cedar Juniper .....	80.00	
32 93 33 00-0385	EA		48" B&B Juniperus virginiana cvs - Red Cedar Juniper .....	124.80	
32 93 33 00-0386	EA		60" B&B Juniperus virginiana cvs - Red Cedar Juniper .....	156.80	
32 93 33 00-0387	EA		15" To 18" Kalmia latifolia - Mountain Laurel .....	65.66	
32 93 33 00-0388	EA		18" To 24" Kalmia latifolia - Mountain Laurel .....	87.49	
32 93 33 00-0389	EA		2' To 3' Kalmia latifolia - Mountain Laurel .....	127.53	
32 93 33 00-0390	EA		4' To 5' Kalmia latifolia - Mountain Laurel .....	233.24	
32 93 33 00-0391	EA		5' To 6' Kalmia latifolia - Mountain Laurel .....	357.34	
32 93 33 00-0392	EA		6' To 8' Kalmia latifolia - Mountain Laurel .....	546.92	
32 93 33 00-0393	EA		1 Gallon Kerria japonica - Kerria .....	14.61	
32 93 33 00-0394	EA		5 Gallon Kerria japonica - Kerria .....	45.72	
32 93 33 00-0395	EA		24" B&B Kolkwitzia amabilis & cvs - Beautybush .....	46.40	
32 93 33 00-0396	EA		30" B&B Kolkwitzia amabilis & cvs - Beautybush .....	52.80	
32 93 33 00-0397	EA		36" B&B Kolkwitzia amabilis & cvs - Beautybush .....	57.60	
32 93 33 00-0398	EA		42" B&B Kolkwitzia amabilis & cvs - Beautybush .....	67.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0399	EA	48"	B&B Kolkwitzia amabilis & cvs - Beautybush.....	76.80	
32 93 33 00-0400	EA	60"	B&B Kolkwitzia amabilis & cvs - Beautybush.....	96.00	
32 93 33 00-0401	EA	1	Gallon Lagerstroemia indica - Crape Myrtle.....	11.00	
32 93 33 00-0402	EA	5	Gallon Lagerstroemia indica - Crape Myrtle.....	39.19	
32 93 33 00-0403	EA	3'	To 4' Lagerstroemia indica - Crape Myrtle.....	54.66	
32 93 33 00-0404	EA	4'	To 5' Lagerstroemia indica - Crape Myrtle.....	80.27	
32 93 33 00-0405	EA	5'	To 6' Lagerstroemia indica - Crape Myrtle.....	127.53	
32 93 33 00-0406	EA	7'	To 8' Lagerstroemia indica - Crape Myrtle.....	165.60	
32 93 33 00-0407	EA	9'	To 10' Lagerstroemia indica - Crape Myrtle.....	220.79	
32 93 33 00-0408	EA	11'	To 12' Lagerstroemia indica - Crape Myrtle.....	459.99	
32 93 33 00-0409	EA	1	Gallon Leucothoe axillaris - Coast Leucothoe.....	16.50	
32 93 33 00-0410	EA	2	Gallon Leucothoe axillaris - Coast Leucothoe.....	36.10	
32 93 33 00-0411	EA	3	Gallon Leucothoe axillaris - Coast Leucothoe.....	43.49	
32 93 33 00-0412	EA	1	Gallon Ligustrum lucidum - Glossy Privet.....	10.14	
32 93 33 00-0413	EA	5	Gallon Ligustrum lucidum - Glossy Privet.....	31.11	
32 93 33 00-0414	EA	15	Gallon Ligustrum lucidum - Glossy Privet.....	145.75	
32 93 33 00-0415	EA	1	Gallon Ligustrum sinense - Variegated Chinese Privet.....	10.14	
32 93 33 00-0416	EA	2	Gallon Ligustrum sinense - Variegated Chinese Privet.....	21.83	
32 93 33 00-0417	EA	3	Gallon Ligustrum sinense - Variegated Chinese Privet.....	28.36	
32 93 33 00-0418	EA	36"	B&B Ligustrum vulgare & cvs - Common Privet.....	48.00	
32 93 33 00-0419	EA	48"	B&B Ligustrum vulgare & cvs - Common Privet.....	70.40	
32 93 33 00-0420	EA	60"	B&B Ligustrum vulgare & cvs - Common Privet.....	89.60	
32 93 33 00-0421	EA	72"	B&B Ligustrum vulgare & cvs - Common Privet.....	102.40	
32 93 33 00-0422	EA	5	Gallon Lindera benzoin - Spicebush.....	52.80	
32 93 33 00-0423	EA	36"	B&B Lindera benzoin - Spicebush.....	44.80	
32 93 33 00-0424	EA	48"	B&B Lindera benzoin - Spicebush.....	54.40	
32 93 33 00-0425	EA	2'	To 3' Lonicera fragrantissima - Winter Honeysuckle.....	87.49	
32 93 33 00-0426	EA	3'	To 4' Lonicera fragrantissima - Winter Honeysuckle.....	105.71	
32 93 33 00-0427	EA	30"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	48.00	
32 93 33 00-0428	EA	36"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	57.60	
32 93 33 00-0429	EA	42"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	64.00	
32 93 33 00-0430	EA	48"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	70.40	
32 93 33 00-0431	EA	1	Gallon Myrica cerifera - Wax Myrtle.....	9.20	
32 93 33 00-0432	EA	4	Gallon Myrica cerifera - Wax Myrtle.....	29.44	
32 93 33 00-0433	EA	7	Gallon Myrica cerifera - Wax Myrtle.....	64.40	
32 93 33 00-0434	EA	10	Gallon Myrica cerifera - Wax Myrtle.....	95.68	
32 93 33 00-0435	EA	15	Gallon Myrica cerifera - Wax Myrtle.....	147.20	
32 93 33 00-0436	EA	45	Gallon Myrica cerifera - Wax Myrtle.....	441.59	
32 93 33 00-0437	EA	1'	- 2' Myrica cerifera - Wax Myrtle.....	12.88	
32 93 33 00-0438	EA	3'	- 4' Myrica cerifera - Wax Myrtle.....	44.16	
32 93 33 00-0439	EA	5'	- 6' Myrica cerifera - Wax Myrtle.....	80.96	
32 93 33 00-0440	EA	7'	- 8' Myrica cerifera - Wax Myrtle.....	110.40	
32 93 33 00-0441	EA	9'	- 10' Myrica cerifera - Wax Myrtle.....	147.20	
32 93 33 00-0442	EA	11'	- 12' Myrica cerifera - Wax Myrtle.....	224.47	
32 93 33 00-0443	EA	3	Gallon Myrica pensylvanica - Northern Bayberry.....	48.00	
32 93 33 00-0444	EA	24"	B&B Myrica pensylvanica - Northern Bayberry.....	78.40	
32 93 33 00-0445	EA	30"	B&B Myrica pensylvanica - Northern Bayberry.....	115.20	
32 93 33 00-0446	EA	36"	B&B Myrica pensylvanica - Northern Bayberry.....	137.60	
32 93 33 00-0447	EA	48"	B&B Myrica pensylvanica - Northern Bayberry.....	144.00	
32 93 33 00-0448	EA	1	Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum.....	6.43	
32 93 33 00-0449	EA	5	Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum.....	15.91	
32 93 33 00-0450	EA	15	Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum.....	63.17	
32 93 33 00-0451	EA	1	Gallon Nandina domestica - Heavenly Bamboo.....	16.50	
32 93 33 00-0452	EA	2	Gallon Nandina domestica - Heavenly Bamboo.....	36.10	
32 93 33 00-0453	EA	5	Gallon Nandina domestica - Heavenly Bamboo.....	54.66	
32 93 33 00-0454	EA	15	Gallon Nerium oleander - Oleander.....	69.12	
32 93 33 00-0455	EA	24"	Box Nerium oleander - Oleander.....	248.37	
32 93 33 00-0456	EA	1	Gallon Osmanthus fragrans - Fragrant Tea Olive.....	10.14	
32 93 33 00-0457	EA	3	Gallon Osmanthus fragrans - Fragrant Tea Olive.....	27.50	
32 93 33 00-0458	EA	1	Gallon Philadelphus - Evergreen Mockorange.....	14.09	
32 93 33 00-0459	EA	5	Gallon Philadelphus - Evergreen Mockorange.....	45.72	
32 93 33 00-0460	EA	36"	B&B Philadelphus x virginalis & cvs - Mockorange.....	48.00	
32 93 33 00-0461	EA	42"	B&B Philadelphus x virginalis & cvs - Mockorange.....	56.00	
32 93 33 00-0462	EA	48"	B&B Philadelphus x virginalis & cvs - Mockorange.....	64.00	
32 93 33 00-0463	EA	1	Gallon Photinia fraseri - Red-Tipped Photinia.....	6.43	
32 93 33 00-0464	EA	5	Gallon Photinia fraseri - Red-Tipped Photinia.....	15.91	
32 93 33 00-0465	EA	15	Gallon Photinia fraseri - Red-Tipped Photinia.....	63.17	
32 93 33 00-0466	EA	1	Gallon Phormium tenax - New Zealand Flax.....	6.78	
32 93 33 00-0467	EA	5	Gallon Phormium tenax - New Zealand Flax.....	16.26	
32 93 33 00-0468	EA	15	Gallon Phormium tenax - New Zealand Flax.....	69.12	
32 93 33 00-0469	EA	24"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	48.00	
32 93 33 00-0470	EA	30"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	56.00	
32 93 33 00-0471	EA	36"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	64.00	
32 93 33 00-0472	EA	42"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	80.00	
32 93 33 00-0473	EA	48"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	96.00	
32 93 33 00-0474	EA	12"	To 15" Spread Pieris - Mountain Andromeda.....	44.17	
32 93 33 00-0475	EA	15"	To 18" Spread Pieris - Mountain Andromeda.....	94.71	
32 93 33 00-0476	EA	12"	To 15" Pieris japonica - Japanese Andromeda.....	57.41	
32 93 33 00-0477	EA	15"	To 18" Pieris japonica - Japanese Andromeda.....	65.66	
32 93 33 00-0478	EA	18"	To 24" Pieris japonica - Japanese Andromeda.....	82.16	
32 93 33 00-0479	EA	2'	To 2-1/2' Pieris japonica - Japanese Andromeda.....	116.71	
32 93 33 00-0480	EA	2-1/2'	To 3' Pieris japonica - Japanese Andromeda.....	138.54	
32 93 33 00-0481	EA	24"	B&B Pinus mugo & cvs - Mugo Pine.....	44.80	
32 93 33 00-0482	EA	30"	B&B Pinus mugo & cvs - Mugo Pine.....	57.34	
32 93 33 00-0483	EA	36"	B&B Pinus mugo & cvs - Mugo Pine.....	68.99	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 33 00-0484	EA	48" B&B Pinus mugo & cvs - Mugo Pine.....	88.70	
32 93 33 00-0485	EA	60" B&B Pinus mugo & cvs - Mugo Pine.....	106.62	
32 93 33 00-0486	EA	72" B&B Pinus mugo & cvs - Mugo Pine.....	155.90	
32 93 33 00-0487	EA	30" B&B Pinus mugo compacta - Dwarf Mugo Pine.....	96.76	
32 93 33 00-0488	EA	36" B&B Pinus mugo compacta - Dwarf Mugo Pine.....	116.47	
32 93 33 00-0489	EA	48" B&B Pinus mugo compacta - Dwarf Mugo Pine.....	155.00	
32 93 33 00-0490	EA	1 Gallon Pittosporum - Pittosporum .....	6.07	
32 93 33 00-0491	EA	3 Gallon Pittosporum - Pittosporum .....	15.64	
32 93 33 00-0492	EA	1 Gallon Pittosporum - Varigated Pittosporum .....	6.07	
32 93 33 00-0493	EA	3 Gallon Pittosporum - Varigated Pittosporum .....	15.64	
32 93 33 00-0494	EA	5 Gallon Pittosporum - Varigated Pittosporum .....	27.42	
32 93 33 00-0495	EA	1 Gallon Pittosporum eugenioides - Lemonwood .....	7.39	
32 93 33 00-0496	EA	5 Gallon Pittosporum eugenioides - Lemonwood.....	17.50	
32 93 33 00-0497	EA	1 Gallon Pittosporum tobira - Japanese Pittosporum .....	6.43	
32 93 33 00-0498	EA	5 Gallon Pittosporum tobira - Japanese Pittosporum .....	15.91	
32 93 33 00-0499	EA	15 Gallon Pittosporum tobira - Japanese Pittosporum .....	63.17	
32 93 33 00-0500	EA	1 Gallon Podocarpus macrophyllus - Yew Podocarpus .....	7.36	
32 93 33 00-0501	EA	3 Gallon Podocarpus macrophyllus - Yew Podocarpus .....	22.08	
32 93 33 00-0502	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil.....	27.20	
32 93 33 00-0503	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil.....	38.40	
32 93 33 00-0504	EA	18" B&B Potentilla fruticosa & cvs - Bush Cinquefoil .....	28.80	
32 93 33 00-0505	EA	24" B&B Potentilla fruticosa & cvs - Bush Cinquefoil .....	32.00	
32 93 33 00-0506	EA	30" B&B Potentilla fruticosa & cvs - Bush Cinquefoil .....	46.40	
32 93 33 00-0507	EA	36" B&B Potentilla fruticosa & cvs - Bush Cinquefoil .....	53.60	
32 93 33 00-0508	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel .....	6.16	
32 93 33 00-0509	EA	5 Gallon Prunus caroliniana - Carolina Cherry Laurel .....	15.40	
32 93 33 00-0510	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel .....	91.82	
32 93 33 00-0511	EA	15" To 18" Prunus laurocerasus - Cherry Laurel.....	23.49	
32 93 33 00-0512	EA	18" To 24" Prunus laurocerasus - Cherry Laurel.....	29.07	
32 93 33 00-0513	EA	24" To 30" Prunus laurocerasus - Cherry Laurel.....	37.83	
32 93 33 00-0514	EA	15" To 18" Prunus triloba - Double White Flowering Almond .....	20.98	
32 93 33 00-0515	EA	18" To 24" Prunus triloba - Double White Flowering Almond .....	26.85	
32 93 33 00-0516	EA	3' To 4' Prunus triloba - Double White Flowering Almond .....	42.83	
32 93 33 00-0517	EA	4' To 6' Prunus triloba - Double White Flowering Almond .....	85.76	
32 93 33 00-0518	EA	5 Gallon Prunus triloba - Pink Flowering Almond .....	25.80	
32 93 33 00-0519	EA	18" To 24" Prunus triloba - Pink Flowering Almond .....	28.97	
32 93 33 00-0520	EA	2' To 3' Prunus triloba - Pink Flowering Almond .....	33.69	
32 93 33 00-0521	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry.....	22.91	
32 93 33 00-0522	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry.....	28.11	
32 93 33 00-0523	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry.....	33.69	
32 93 33 00-0524	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry.....	38.60	
32 93 33 00-0525	EA	1 Gallon Punica granatum - Dwarf Pomegranate.....	10.83	
32 93 33 00-0526	EA	3 Gallon Punica granatum - Dwarf Pomegranate.....	31.97	
32 93 33 00-0527	EA	7 Gallon Punica granatum - Dwarf Pomegranate.....	65.66	
32 93 33 00-0528	EA	1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha .....	13.75	
32 93 33 00-0529	EA	5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha .....	45.72	
32 93 33 00-0530	EA	5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha .....	94.71	
32 93 33 00-0531	EA	1 Gallon Ralphirolepis indica - Indian Hawthorne .....	11.00	
32 93 33 00-0532	EA	2 Gallon Ralphirolepis indica - Indian Hawthorne .....	20.97	
32 93 33 00-0533	EA	5 Gallon Ralphirolepis indica - Indian Hawthorne .....	37.30	
32 93 33 00-0534	EA	1 Gallon Rhamnus californica - Coffeeberry .....	16.72	
32 93 33 00-0535	EA	5 Gallon Rhamnus californica - Coffeeberry .....	47.81	
32 93 33 00-0536	EA	15 Gallon Rhamnus californica - Coffeeberry .....	143.49	
32 93 33 00-0537	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge.....	83.88	
32 93 33 00-0538	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge.....	114.99	
32 93 33 00-0539	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge.....	149.53	
32 93 33 00-0540	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge.....	273.46	
32 93 33 00-0541	EA	1 Gallon Ralphirolepis indica "Ballerina" - Ballerina Indian Hawthorn .....	6.85	
32 93 33 00-0542	EA	5 Gallon Ralphirolepis indica "Ballerina" - Ballerina Indian Hawthorn .....	16.26	
32 93 33 00-0543	EA	15 Gallon Ralphirolepis indica "Ballerina" - Ballerina Indian Hawthorn .....	69.12	
32 93 33 00-0544	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids .....	17.88	
32 93 33 00-0545	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids .....	36.09	
32 93 33 00-0546	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids .....	47.10	
32 93 33 00-0547	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids .....	54.66	
32 93 33 00-0548	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids .....	63.94	
32 93 33 00-0549	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids .....	80.27	
32 93 33 00-0550	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids .....	116.71	
32 93 33 00-0551	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids .....	163.97	
32 93 33 00-0552	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids .....	20.11	
32 93 33 00-0553	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids .....	36.09	
32 93 33 00-0554	EA	15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids .....	62.05	
32 93 33 00-0555	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids .....	80.27	
32 93 33 00-0556	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids .....	116.71	
32 93 33 00-0557	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids .....	171.36	
32 93 33 00-0558	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids .....	229.63	
32 93 33 00-0559	EA	5 Gallon Rhododendron - Boxleaf Azara.....	45.72	
32 93 33 00-0560	EA	15 Gallon Rhododendron - Boxleaf Azara.....	163.97	
32 93 33 00-0561	EA	15" To 18" Rhododendron - Carolina Rhododendron.....	51.74	
32 93 33 00-0562	EA	18" To 24" Rhododendron - Carolina Rhododendron.....	91.10	
32 93 33 00-0563	EA	24" To 30" Rhododendron - Carolina Rhododendron.....	134.93	
32 93 33 00-0564	EA	2' To 3' Rhododendron - Five-leafed Azalea .....	61.36	
32 93 33 00-0565	EA	3' To 4' Rhododendron - Five-leafed Azalea .....	80.27	
32 93 33 00-0566	EA	4' To 5' Rhododendron - Five-leafed Azalea .....	105.71	
32 93 33 00-0567	EA	15" To 18" Rhododendron - Ghent Azalea.....	61.36	
32 93 33 00-0568	EA	18" To 24" Rhododendron - Ghent Azalea.....	76.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0569	EA	2'	To 3' Rhododendron - Ghent Azalea.....	123.92	
32 93 33 00-0570	EA	3'	To 4' Rhododendron - Ghent Azalea.....	171.36	
32 93 33 00-0571	EA	4'	To 5' Rhododendron - Ghent Azalea.....	229.63	
32 93 33 00-0572	EA	5'	To 6' Rhododendron - Ghent Azalea.....	306.29	
32 93 33 00-0573	EA	1	Gallon Rhododendron - Hybrid Rhododendron.....	20.11	
32 93 33 00-0574	EA	2	Gallon Rhododendron - Hybrid Rhododendron.....	43.49	
32 93 33 00-0575	EA	3	Gallon Rhododendron - Hybrid Rhododendron.....	61.70	
32 93 33 00-0576	EA	5	Gallon Rhododendron - Hybrid Rhododendron.....	68.92	
32 93 33 00-0577	EA	15"	To 18" Rhododendron - Hybrid Rhododendron.....	58.27	
32 93 33 00-0578	EA	18"	To 24" Rhododendron - Hybrid Rhododendron.....	80.27	
32 93 33 00-0579	EA	24"	To 30" Rhododendron - Hybrid Rhododendron.....	109.32	
32 93 33 00-0580	EA	30"	To 36" Rhododendron - Hybrid Rhododendron.....	127.53	
32 93 33 00-0581	EA	36"	To 42" Rhododendron - Hybrid Rhododendron.....	182.36	
32 93 33 00-0582	EA	42"	To 48" Rhododendron - Hybrid Rhododendron.....	226.02	
32 93 33 00-0583	EA	15"	To 18" Rhododendron - Pjm Rhododendron.....	65.66	
32 93 33 00-0584	EA	18"	To 24" Rhododendron - Pjm Rhododendron.....	80.27	
32 93 33 00-0585	EA	2'	To 2-1/2' Rhododendron - Pjm Rhododendron.....	116.71	
32 93 33 00-0586	EA	2-1/2'	To 3' Rhododendron - Pjm Rhododendron.....	149.53	
32 93 33 00-0587	EA	3'	To 3-1/2' Rhododendron - Pjm Rhododendron.....	182.36	
32 93 33 00-0588	EA	12"	To 15" Rhododendron - Torch Azalea.....	51.05	
32 93 33 00-0589	EA	15"	To 18" Rhododendron - Torch Azalea.....	61.36	
32 93 33 00-0590	EA	18"	To 24" Rhododendron - Torch Azalea.....	76.49	
32 93 33 00-0591	EA	2'	To 3' Rhododendron - Torch Azalea.....	127.53	
32 93 33 00-0592	EA	3	Gallon Rhododendron cvs - Lepidote Rhododendron.....	57.60	
32 93 33 00-0593	EA	5	Gallon Rhododendron cvs - Lepidote Rhododendron.....	70.40	
32 93 33 00-0594	EA	18"	B&B Rhododendron cvs - Lepidote Rhododendron.....	86.40	
32 93 33 00-0595	EA	24"	B&B Rhododendron cvs - Lepidote Rhododendron.....	108.80	
32 93 33 00-0596	EA	30"	B&B Rhododendron cvs - Lepidote Rhododendron.....	128.00	
32 93 33 00-0597	EA	36"	B&B Rhododendron cvs - Lepidote Rhododendron.....	153.60	
32 93 33 00-0598	EA	1	Gallon Rhus glabra - Dwarf Smooth Sumac.....	16.50	
32 93 33 00-0599	EA	5	Gallon Rhus glabra - Dwarf Smooth Sumac.....	45.72	
32 93 33 00-0600	EA	2	Gallon Rhus aromatica & cvs - Fragrant Sumac.....	38.40	
32 93 33 00-0601	EA	5	Gallon Rhus aromatica & cvs - Fragrant Sumac.....	52.80	
32 93 33 00-0602	EA	18"	B&B Rhus aromatica & cvs - Fragrant Sumac.....	60.80	
32 93 33 00-0603	EA	24"	B&B Rhus aromatica & cvs - Fragrant Sumac.....	80.00	
32 93 33 00-0604	EA	36"	B&B Rhus glabra - Smooth Sumac.....	48.00	
32 93 33 00-0605	EA	48"	B&B Rhus typhina & cvs - Staghorn Sumac.....	80.00	
32 93 33 00-0606	EA	72"	B&B Rhus typhina & cvs - Staghorn Sumac.....	128.00	
32 93 33 00-0607	EA	15"	B&B Ribes alpinum & cvs - Alpine Currant.....	43.20	
32 93 33 00-0608	EA	18"	B&B Ribes alpinum & cvs - Alpine Currant.....	49.60	
32 93 33 00-0609	EA	24"	B&B Ribes alpinum & cvs - Alpine Currant.....	72.00	
32 93 33 00-0610	EA	30"	B&B Ribes alpinum & cvs - Alpine Currant.....	96.00	
32 93 33 00-0611	EA	1	Gallon Rosa hybrids & cvs - Shrub Rose.....	26.40	
32 93 33 00-0612	EA	2	Gallon Rosa hybrids & cvs - Shrub Rose.....	32.00	
32 93 33 00-0613	EA	3	Gallon Rosa hybrids & cvs - Shrub Rose.....	40.00	
32 93 33 00-0614	EA	2	Gallon Rosa rugosa & cvs - Rugosa Rose.....	28.80	
32 93 33 00-0615	EA	3	Gallon Rosa rugosa & cvs - Rugosa Rose.....	36.80	
32 93 33 00-0616	EA	5	Gallon Sambucus canadensis - American Elder.....	52.80	
32 93 33 00-0617	EA	1	Gallon Santolina chamaecyparissus - Lavender Cotton.....	6.43	
32 93 33 00-0618	EA	5	Gallon Santolina chamaecyparissus - Lavender Cotton.....	15.91	
32 93 33 00-0619	EA	1	Gallon Santolina rosmarinifolia - Green Lavender Cotton.....	6.43	
32 93 33 00-0620	EA	5	Gallon Santolina rosmarinifolia - Green Lavender Cotton.....	15.91	
32 93 33 00-0621	EA	2	Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	23.72	
32 93 33 00-0622	EA	3	Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	34.72	
32 93 33 00-0623	EA	1	Gallon Sarcococca humilis - Fragrant Sarcococca.....	12.89	
32 93 33 00-0624	EA	5	Gallon Sarcococca humilis - Fragrant Sarcococca.....	33.69	
32 93 33 00-0625	EA	5	Gallon Senna artemisioides - Feathery Cassia.....	17.77	
32 93 33 00-0626	EA	15	Gallon Senna artemisioides - Feathery Cassia.....	70.72	
32 93 33 00-0627	EA	24"	Box Senna artemisioides - Feathery Cassia.....	222.16	
32 93 33 00-0628	EA	1	Gallon Skimmia japonica - Japanese Skimmia.....	16.50	
32 93 33 00-0629	EA	2	Gallon Skimmia japonica - Japanese Skimmia.....	32.83	
32 93 33 00-0630	EA	5	Gallon Skimmia japonica - Japanese Skimmia.....	52.94	
32 93 33 00-0631	EA	1	Gallon Sollya fusiformis - Bluebell Creeper.....	6.43	
32 93 33 00-0632	EA	5	Gallon Sollya fusiformis - Bluebell Creeper.....	15.91	
32 93 33 00-0633	EA	3'	To 4' Spiraea - Garland Spiraea.....	76.49	
32 93 33 00-0634	EA	4'	To 5' Spiraea - Garland Spiraea.....	116.71	
32 93 33 00-0635	EA	5	Gallon Spiraea - Snowmound Spiraea.....	45.72	
32 93 33 00-0636	EA	18"	To 24" Spiraea - Snowmound Spiraea.....	37.47	
32 93 33 00-0637	EA	2'	To 3' Spiraea - Snowmound Spiraea.....	52.94	
32 93 33 00-0638	EA	3'	To 4' Spiraea - Snowmound Spiraea.....	61.36	
32 93 33 00-0639	EA	4'	To 5' Spiraea - Snowmound Spiraea.....	105.71	
32 93 33 00-0640	EA	1	Gallon Spiraea japonica & cvs - Japanese Spiraea.....	16.50	
32 93 33 00-0641	EA	2	Gallon Spiraea japonica & cvs - Japanese Spiraea.....	32.49	
32 93 33 00-0642	EA	3	Gallon Spiraea japonica & cvs - Japanese Spiraea.....	37.60	
32 93 33 00-0643	EA	5	Gallon Spiraea japonica & cvs - Japanese Spiraea.....	40.80	
32 93 33 00-0644	EA	18"	B&B Spiraea japonica & cvs - Japanese Spiraea.....	41.60	
32 93 33 00-0645	EA	24"	B&B Spiraea japonica & cvs - Japanese Spiraea.....	48.00	
32 93 33 00-0646	EA	30"	B&B Spiraea japonica & cvs - Japanese Spiraea.....	54.40	
32 93 33 00-0647	EA	36"	B&B Spiraea japonica & cvs - Japanese Spiraea.....	63.20	
32 93 33 00-0648	EA	2	Gallon Spiraea nipponica & cvs - Nippon Spiraea.....	25.60	
32 93 33 00-0649	EA	5	Gallon Spiraea nipponica & cvs - Nippon Spiraea.....	38.40	
32 93 33 00-0650	EA	18"	B&B Spiraea nipponica & cvs - Nippon Spiraea.....	35.20	
32 93 33 00-0651	EA	24"	B&B Spiraea nipponica & cvs - Nippon Spiraea.....	41.60	
32 93 33 00-0652	EA	30"	B&B Spiraea nipponica & cvs - Nippon Spiraea.....	48.00	
32 93 33 00-0653	EA	36"	B&B Spiraea nipponica & cvs - Nippon Spiraea.....	54.40	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0654	EA	48"	B&B Spiraea nipponica & cvs - Nippon Spiraea	70.40	
32 93 33 00-0655	EA	1 Gallon	Spiraea x bumalda & cvs - Bumalda Spiraea	16.50	
32 93 33 00-0656	EA	2 Gallon	Spiraea x bumalda & cvs - Bumalda Spiraea	29.60	
32 93 33 00-0657	EA	4 Gallon	Spiraea x bumalda & cvs - Bumalda Spiraea	38.40	
32 93 33 00-0658	EA	18"	B&B Spiraea x bumalda & cvs - Bumalda Spiraea	33.60	
32 93 33 00-0659	EA	24"	B&B Spiraea x bumalda & cvs - Bumalda Spiraea	40.80	
32 93 33 00-0660	EA	30"	B&B Spiraea x bumalda & cvs - Bumalda Spiraea	48.00	
32 93 33 00-0661	EA	36"	B&B Spiraea x bumalda & cvs - Bumalda Spiraea	54.40	
32 93 33 00-0662	EA	5 Gallon	Spiraea x vanhouttei & cvs - Vanhoutte Spiraea	38.40	
32 93 33 00-0663	EA	18"	B&B Spiraea x vanhouttei & cvs - Vanhoutte Spiraea	38.40	
32 93 33 00-0664	EA	24"	B&B Spiraea x vanhouttei & cvs - Vanhoutte Spiraea	44.80	
32 93 33 00-0665	EA	30"	B&B Spiraea x vanhouttei & cvs - Vanhoutte Spiraea	60.80	
32 93 33 00-0666	EA	36"	B&B Spiraea x vanhouttei & cvs - Vanhoutte Spiraea	70.40	
32 93 33 00-0667	EA	42"	B&B Spiraea x vanhouttei & cvs - Vanhoutte Spiraea	83.20	
32 93 33 00-0668	EA	5 Gallon	Staphylea trifolia - Bladdernut	54.01	
32 93 33 00-0669	EA	2 Gallon	Stephanandra incisa & cvs - Cutleaf Stephanadra	38.40	
32 93 33 00-0670	EA	5 Gallon	Stephanandra incisa & cvs - Cutleaf Stephanadra	41.60	
32 93 33 00-0671	EA	24"	B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	48.00	
32 93 33 00-0672	EA	30"	B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	57.60	
32 93 33 00-0673	EA	2 Gallon	Symphoricarpos albus - Common Snowberry	40.00	
32 93 33 00-0674	EA	5 Gallon	Symphoricarpos albus - Common Snowberry	42.40	
32 93 33 00-0675	EA	24"	B&B Syringa meyeri & cvs - Meyer Lilac	70.40	
32 93 33 00-0676	EA	30"	B&B Syringa meyeri & cvs - Meyer Lilac	88.00	
32 93 33 00-0677	EA	36"	B&B Syringa meyeri & cvs - Meyer Lilac	102.40	
32 93 33 00-0678	EA	42"	B&B Syringa meyeri & cvs - Meyer Lilac	118.40	
32 93 33 00-0679	EA	18"	B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	70.40	
32 93 33 00-0680	EA	24"	B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	76.80	
32 93 33 00-0681	EA	30"	B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	88.00	
32 93 33 00-0682	EA	36"	B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	102.40	
32 93 33 00-0683	EA	42"	B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	118.40	
32 93 33 00-0684	EA	60"	B&B Syringa villosa & cvs - Late Lilac	56.00	
32 93 33 00-0685	EA	72"	B&B Syringa villosa & cvs - Late Lilac	60.80	
32 93 33 00-0686	EA	36"	B&B Syringa vulgaris & cvs - Common Lilac	48.00	
32 93 33 00-0687	EA	42"	B&B Syringa vulgaris & cvs - Common Lilac	54.40	
32 93 33 00-0688	EA	48"	B&B Syringa vulgaris & cvs - Common Lilac	60.80	
32 93 33 00-0689	EA	60"	B&B Syringa vulgaris & cvs - Common Lilac	70.40	
32 93 33 00-0690	EA	72"	B&B Syringa vulgaris & cvs - Common Lilac	86.40	
32 93 33 00-0691	EA	5 Gallon	Syringa x chinensis & cvs - Chinese Lilac	40.00	
32 93 33 00-0692	EA	36"	B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	46.40	
32 93 33 00-0693	EA	48"	B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	60.80	
32 93 33 00-0694	EA	48"	B&B Taxus cuspidata capitata - Capitata Japanese Yew	254.39	
32 93 33 00-0695	EA	54"	B&B Taxus cuspidata capitata - Capitata Japanese Yew	284.79	
32 93 33 00-0696	EA	60"	B&B Taxus cuspidata capitata - Capitata Japanese Yew	313.59	
32 93 33 00-0697	EA	72"	B&B Taxus cuspidata capitata - Capitata Japanese Yew	377.59	
32 93 33 00-0698	EA	18"	B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	67.20	
32 93 33 00-0699	EA	24"	B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	88.00	
32 93 33 00-0700	EA	30"	B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	102.40	
32 93 33 00-0701	EA	36"	B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	112.00	
32 93 33 00-0702	EA	15"	B&B Taxus x media & cvs - Anglojap Yew	67.20	
32 93 33 00-0703	EA	18"	B&B Taxus x media & cvs - Anglojap Yew	88.00	
32 93 33 00-0704	EA	24"	B&B Taxus x media & cvs - Anglojap Yew	104.00	
32 93 33 00-0705	EA	30"	B&B Taxus x media & cvs - Anglojap Yew	123.20	
32 93 33 00-0706	EA	36"	B&B Taxus x media & cvs - Anglojap Yew	185.60	
32 93 33 00-0707	EA	36"	B&B Thuja occidentalis & cvs - Upright Arborvitae	102.40	
32 93 33 00-0708	EA	48"	B&B Thuja occidentalis & cvs - Upright Arborvitae	137.60	
32 93 33 00-0709	EA	60"	B&B Thuja occidentalis & cvs - Upright Arborvitae	207.99	
32 93 33 00-0710	EA	72"	B&B Thuja occidentalis & cvs - Upright Arborvitae	303.99	
32 93 33 00-0711	EA	84"	B&B Thuja occidentalis & cvs - Upright Arborvitae	348.79	
32 93 33 00-0712	EA	96"	B&B Thuja occidentalis & cvs - Upright Arborvitae	404.79	
32 93 33 00-0713	EA	15"	B&B Thuja occidentalis cvs - Dwarf Arborvitae	44.80	
32 93 33 00-0714	EA	18"	B&B Thuja occidentalis cvs - Dwarf Arborvitae	62.40	
32 93 33 00-0715	EA	24"	B&B Thuja occidentalis cvs - Dwarf Arborvitae	88.00	
32 93 33 00-0716	EA	3' To 4'	Viburnum dilatatum - Linden Viburnum	76.49	
32 93 33 00-0717	EA	4' To 5'	Viburnum dilatatum - Linden Viburnum	116.71	
32 93 33 00-0718	EA	5' To 6'	Viburnum dilatatum - Linden Viburnum	153.15	
32 93 33 00-0719	EA	1 Gallon	Viburnum japonicum - Japanese Viburnum	9.28	
32 93 33 00-0720	EA	3 Gallon	Viburnum japonicum - Japanese Viburnum	25.44	
32 93 33 00-0721	EA	5 Gallon	Viburnum plicatum - Japanese Snowball	45.72	
32 93 33 00-0722	EA	5' To 6'	Viburnum plicatum - Japanese Snowball	171.37	
32 93 33 00-0723	EA	2' To 3'	Viburnum rhytidophyllum - Leatherleaf Viburnum	80.27	
32 93 33 00-0724	EA	3' To 4'	Viburnum rhytidophyllum - Leatherleaf Viburnum	94.71	
32 93 33 00-0725	EA	4' To 5'	Viburnum rhytidophyllum - Leatherleaf Viburnum	133.21	
32 93 33 00-0726	EA	30"	B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	88.00	
32 93 33 00-0727	EA	36"	B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	105.60	
32 93 33 00-0728	EA	24"	B&B Viburnum carlesii & cvs - Korean Spice Viburnum	80.00	
32 93 33 00-0729	EA	30"	B&B Viburnum carlesii & cvs - Korean Spice Viburnum	96.00	
32 93 33 00-0730	EA	36"	B&B Viburnum carlesii & cvs - Korean Spice Viburnum	112.00	
32 93 33 00-0731	EA	42"	B&B Viburnum carlesii & cvs - Korean Spice Viburnum	128.00	
32 93 33 00-0732	EA	1 Gallon	Viburnum davidii - David Viburnum	6.43	
32 93 33 00-0733	EA	5 Gallon	Viburnum davidii - David Viburnum	15.91	
32 93 33 00-0734	EA	36"	B&B Viburnum dentatum & cvs - Arrowwood Viburnum	44.80	
32 93 33 00-0735	EA	42"	B&B Viburnum dentatum & cvs - Arrowwood Viburnum	48.00	
32 93 33 00-0736	EA	48"	B&B Viburnum dentatum & cvs - Arrowwood Viburnum	56.00	
32 93 33 00-0737	EA	60"	B&B Viburnum dentatum & cvs - Arrowwood Viburnum	64.00	
32 93 33 00-0738	EA	72"	B&B Viburnum dentatum & cvs - Arrowwood Viburnum	70.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0739	EA	30"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	43.20	
32 93 33 00-0740	EA	36"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	48.00	
32 93 33 00-0741	EA	42"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	60.80	
32 93 33 00-0742	EA	48"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	70.40	
32 93 33 00-0743	EA	60"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	96.00	
32 93 33 00-0744	EA	72"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	115.20	
32 93 33 00-0745	EA	36"	B&B Viburnum lentago & cvs - Nannyberry Viburnum	48.00	
32 93 33 00-0746	EA	48"	B&B Viburnum lentago & cvs - Nannyberry Viburnum	64.00	
32 93 33 00-0747	EA	5'	B&B Viburnum lentago & cvs - Nannyberry Viburnum	80.00	
32 93 33 00-0748	EA	6'	B&B Viburnum lentago & cvs - Nannyberry Viburnum	112.00	
32 93 33 00-0749	EA	7'	B&B Viburnum lentago & cvs - Nannyberry Viburnum	160.00	
32 93 33 00-0750	EA	8'	B&B Viburnum lentago & cvs - Nannyberry Viburnum	223.99	
32 93 33 00-0751	EA	9'	B&B Viburnum lentago & cvs - Nannyberry Viburnum	287.99	
32 93 33 00-0752	EA	30"	B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	57.60	
32 93 33 00-0753	EA	36"	B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	64.00	
32 93 33 00-0754	EA	36"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	115.20	
32 93 33 00-0755	EA	48"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	176.00	
32 93 33 00-0756	EA	60"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	223.99	
32 93 33 00-0757	EA	72"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	271.99	
32 93 33 00-0758	EA	84"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	335.99	
32 93 33 00-0759	EA	96"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	399.99	
32 93 33 00-0760	EA	108"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	479.99	
32 93 33 00-0761	EA	120"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	559.99	
32 93 33 00-0762	EA	30"	B&B Viburnum sargentii & cvs - Sargent Viburnum	48.80	
32 93 33 00-0763	EA	36"	B&B Viburnum sargentii & cvs - Sargent Viburnum	53.60	
32 93 33 00-0764	EA	48"	B&B Viburnum sargentii & cvs - Sargent Viburnum	60.80	
32 93 33 00-0765	EA	60"	B&B Viburnum sargentii & cvs - Sargent Viburnum	70.40	
32 93 33 00-0766	EA	72"	B&B Viburnum sargentii & cvs - Sargent Viburnum	80.80	
32 93 33 00-0767	EA	18"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum	46.40	
32 93 33 00-0768	EA	24"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum	56.00	
32 93 33 00-0769	EA	30"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum	67.20	
32 93 33 00-0770	EA	36"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum	76.80	
32 93 33 00-0771	EA	42"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum	92.80	
32 93 33 00-0772	EA	48"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum	102.40	
32 93 33 00-0773	EA	30"	B&B Viburnum x carcephalum & cvs - Fragrant Viburnum	80.00	
32 93 33 00-0774	EA	36"	B&B Viburnum x carcephalum & cvs - Fragrant Viburnum	96.00	
32 93 33 00-0775	EA	42"	B&B Viburnum x carcephalum & cvs - Fragrant Viburnum	112.00	
32 93 33 00-0776	EA	48"	B&B Viburnum x carcephalum & cvs - Fragrant Viburnum	128.00	
32 93 33 00-0777	EA	60"	B&B Viburnum x carcephalum & cvs - Fragrant Viburnum	144.00	
32 93 33 00-0778	EA	30"	B&B Viburnum x juddii & cvs - Judd Viburnum	102.40	
32 93 33 00-0779	EA	36"	B&B Viburnum x juddii & cvs - Judd Viburnum	115.20	
32 93 33 00-0780	EA	42"	B&B Viburnum x juddii & cvs - Judd Viburnum	131.20	
32 93 33 00-0781	EA	48"	B&B Viburnum x juddii & cvs - Judd Viburnum	150.40	
32 93 33 00-0782	EA	2'	To 3' Viburnum opulus "Roseum" - Fragrant Snowball	94.71	
32 93 33 00-0783	EA	3'	To 4' Viburnum opulus "Roseum" - Fragrant Snowball	116.71	
32 93 33 00-0784	EA	4'	To 5' Viburnum opulus "Roseum" - Fragrant Snowball	171.36	
32 93 33 00-0785	EA	5 Gallon	Weigela florida & cvs - Old Fashioned Weigela	52.80	
32 93 33 00-0786	EA	24"	B&B Weigela florida & cvs - Old Fashioned Weigela	48.00	
32 93 33 00-0787	EA	30"	B&B Weigela florida & cvs - Old Fashioned Weigela	54.40	
32 93 33 00-0788	EA	36"	B&B Weigela florida & cvs - Old Fashioned Weigela	60.80	
32 93 33 00-0789	EA	42"	B&B Weigela florida & cvs - Old Fashioned Weigela	70.40	
32 93 33 00-0790	EA	48"	B&B Weigela florida & cvs - Old Fashioned Weigela	80.00	
32 93 33 00-0791	EA	1 Gallon	Xylosma congestum - Shiny Xylosma	11.00	
32 93 33 00-0792	EA	5 Gallon	Xylosma congestum - Shiny Xylosma	31.11	
32 93 33 00-0793	EA	15 Gallon	Xylosma congestum - Shiny Xylosma	136.82	
32 93 33 00-0794	EA	1 Gallon	Yucca aloifolia - Spanish Bayonet	9.28	
32 93 33 00-0795	EA	3 Gallon	Yucca aloifolia - Spanish Bayonet	24.58	
32 93 33 00-0796	EA	1 Gallon	Yucca filamentosa - Adams Needle	12.89	
32 93 33 00-0797	EA	3 Gallon	Yucca filamentosa - Adams Needle	25.09	
32 93 33 00-0798	EA	5 Gallon	Yucca filamentosa - Adams Needle	39.71	
32 93 33 00-0799	EA	5 Gallon	Border Forsythia - Goldenbells	44.17	
32 93 33 00-0800	EA	2' To 3'	Border Forsythia - Goldenbells	36.44	
32 93 33 00-0801	EA	3' To 4'	Border Forsythia - Goldenbells	46.06	
32 93 33 00-0802	EA	4' To 5'	Border Forsythia - Goldenbells	57.41	
32 93 33 00-0803	EA	5' To 6'	Border Forsythia - Goldenbells	68.92	
32 93 33 00-0804	EA	6' To 8'	Border Forsythia - Goldenbells	94.71	
32 93 33 00-0805	EA	3'	Juniperus chinensis - Columnar Chinese Juniper	93.84	
32 93 33 00-0806	EA	4'	Juniperus chinensis - Columnar Chinese Juniper	128.80	
32 93 33 00-0807	EA	5'	Juniperus chinensis - Columnar Chinese Juniper	202.39	
32 93 33 00-0808	EA	6'	Juniperus chinensis - Columnar Chinese Juniper	235.51	
32 93 33 00-0809	EA	7'	Juniperus chinensis - Columnar Chinese Juniper	309.11	
32 93 33 00-0810	EA	2 Gallon	Chrysobalanus icaco - Cocoplum Red Tip	18.40	
32 93 33 00-0811	EA	3 Gallon	Chrysobalanus icaco - Cocoplum Red Tip	25.76	
32 93 33 00-0812	EA	5 Gallon	Chrysobalanus icaco - Cocoplum Red Tip	62.37	
32 93 33 00-0813	EA	2 Gallon	Chrysobalanus icaco - Cocoplum Green Tip	18.40	
32 93 33 00-0814	EA	3 Gallon	Chrysobalanus icaco - Cocoplum Green Tip	25.76	
32 93 33 00-0815	EA		Beile Poitvine Roses	73.60	
32 93 33 00-0816	EA	3 Gallon	Bird Of Paradise	33.12	
32 93 33 00-0817	EA	5 Gallon	Bird Of Paradise	51.52	
32 93 33 00-0818	EA	7 Gallon	Bird Of Paradise	69.92	
32 93 33 00-0819	EA	10 Gallon	Bird Of Paradise	139.84	
32 93 33 00-0820	EA	18"	Bonica Roses	84.64	
32 93 33 00-0821	EA	1 Gallon	Burmese Grape	14.72	
32 93 33 00-0822	EA	5 Gallon	Burmese Grape	40.48	
32 93 33 00-0823	EA	15 Gallon	Burmese Grape	150.88	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

32 93 33 00-0824	EA	6" To 9" Canby Paxistima .....	29.44	
32 93 33 00-0825	EA	9" To 12" Canby Paxistima .....	36.80	
32 93 33 00-0826	EA	12" To 15" Canby Paxistima .....	47.84	
32 93 33 00-0827	EA	5 Gallon Chastetree .....	51.52	
32 93 33 00-0828	EA	3' Chinese Lilac .....	73.60	
32 93 33 00-0829	EA	4' Chinese Lilac .....	92.00	
32 93 33 00-0830	EA	5' Chinese Lilac .....	125.12	
32 93 33 00-0831	EA	1 Gallon Christmas Berry .....	18.40	
32 93 33 00-0832	EA	2 Gallon Christmas Berry .....	40.48	
32 93 33 00-0833	EA	5 Gallon Christmas Berry .....	58.88	
32 93 33 00-0834	EA	15 Gallon Christmas Berry .....	272.31	
32 93 33 00-0835	EA	1 Gallon Concha Wild Lilac .....	14.72	
32 93 33 00-0836	EA	5 Gallon Concha Wild Lilac .....	36.80	
32 93 33 00-0837	EA	1 Gallon Flower Carpet Roses .....	36.80	
32 93 33 00-0838	EA	3 Gallon Flower Carpet Roses .....	69.92	
32 93 33 00-0839	EA	Goldfinger Potentillas .....	58.88	
32 93 33 00-0840	EA	Green Mound Alpine Currents .....	73.60	
32 93 33 00-0841	EA	24" Gro-Low Sumacs .....	73.60	
32 93 33 00-0842	EA	3 Gallon Heliconia .....	33.12	
32 93 33 00-0843	EA	1' Ibolium Private .....	3.68	
32 93 33 00-0844	EA	2' Ibolium Private .....	14.72	
32 93 33 00-0845	EA	3' Ibolium Private .....	25.76	
32 93 33 00-0846	EA	5 Gallon Japanese Privit .....	40.48	
32 93 33 00-0847	EA	24" Spirea - Little Princess .....	77.28	
32 93 33 00-0848	EA	2' Longstalk Holly .....	73.60	
32 93 33 00-0849	EA	2-1/2' Longstalk Holly .....	99.36	
32 93 33 00-0850	EA	3' Longstalk Holly .....	125.12	
32 93 33 00-0851	EA	3-1/2' Longstalk Holly .....	139.84	
32 93 33 00-0852	EA	3 Gallon Low Dense Pyracantha .....	36.80	
32 93 33 00-0853	EA	1 Gallon Pacific Wax Myrtle .....	11.04	
32 93 33 00-0854	EA	5 Gallon Pacific Wax Myrtle .....	36.80	
32 93 33 00-0855	EA	1 Gallon Red Escallonia .....	11.04	
32 93 33 00-0856	EA	5 Gallon Red Escallonia .....	36.80	
32 93 33 00-0857	EA	15 Gallon Red Escallonia .....	150.88	
32 93 33 00-0858	EA	24" Smooth Hydrangeas .....	88.32	
32 93 33 00-0859	EA	15" To 18" Somerset Burkwood Daphne .....	58.88	
32 93 33 00-0860	EA	18" To 24" Somerset Burkwood Daphne .....	77.28	
32 93 33 00-0861	EA	1 Gallon Spring Bouquet Laurustinis .....	11.04	
32 93 33 00-0862	EA	5 Gallon Spring Bouquet Laurustinis .....	40.48	
32 93 33 00-0863	EA	15" To 18" Summersweet .....	44.16	
32 93 33 00-0864	EA	18" To 24" Summersweet .....	51.52	
32 93 33 00-0865	EA	2' Sweet Shrubs .....	58.88	
32 93 33 00-0866	EA	3' Sweet Shrubs .....	77.28	
32 93 33 00-0867	EA	1 Gallon Variegated Silverberry .....	11.04	
32 93 33 00-0868	EA	3 Gallon Variegated Silverberry .....	25.76	
32 93 33 00-0869	EA	15 Gallon Variegated Silverberry .....	150.88	
32 93 33 00-0870	EA	1 Gallon Variegated Winter Daphne .....	18.40	
32 93 33 00-0871	EA	5 Gallon Variegated Winter Daphne .....	58.88	
32 93 33 00-0872	EA	15 Gallon Variegated Winter Daphne .....	272.31	
32 93 33 00-0873	EA	2' To 3' Virginia Sweetspire .....	128.80	
32 93 33 00-0874	EA	1 Gallon Warminster Broom .....	18.40	
32 93 33 00-0875	EA	2 Gallon Warminster Broom .....	36.80	
32 93 33 00-0876	EA	5 Gallon Warminster Broom .....	51.52	

**32 93 43 Trees (32 93)**

Note: (cvs = cultivar) materials only. See CSI section 32 93 83 00-0001 for installation and planting of trees.

**32 93 43 00-0001 Deciduous Ornamental Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple .....	294.20	
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple .....	359.58	
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple .....	408.61	
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple .....	473.99	
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple .....	539.36	
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple .....	637.43	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple .....	238.78	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple .....	1,046.04	
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple .....	1,307.55	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple .....	261.51	
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus californica - California Buckeye .....	653.77	
32 93 43 00-0013	EA	2" Caliper Aesculus californica - California Buckeye .....	849.91	
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus californica - California Buckeye .....	980.66	
32 93 43 00-0015	EA	3" Caliper Aesculus californica - California Buckeye .....	1,111.42	
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus californica - California Buckeye .....	1,307.55	
32 93 43 00-0017	EA	36" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry .....	128.00	
32 93 43 00-0018	EA	48" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry .....	160.00	
32 93 43 00-0019	EA	60" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry .....	198.39	
32 93 43 00-0020	EA	60" B&B Amelanchier arborea & cvs - Downy Serviceberry .....	160.00	
32 93 43 00-0021	EA	72" B&B Amelanchier arborea & cvs - Downy Serviceberry .....	191.99	
32 93 43 00-0022	EA	7' B&B Amelanchier arborea & cvs - Downy Serviceberry .....	223.99	
32 93 43 00-0023	EA	8' B&B Amelanchier arborea & cvs - Downy Serviceberry .....	255.99	
32 93 43 00-0024	EA	5' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry .....	287.99	
32 93 43 00-0025	EA	6' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry .....	319.99	
32 93 43 00-0026	EA	7' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry .....	367.99	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0027	EA	8'	B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	415.99	
32 93 43 00-0028	EA	9'	B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	479.99	
32 93 43 00-0029	EA	7'	B&B Amelanchier laevis & cvs - Allegheny Serviceberry	367.99	
32 93 43 00-0030	EA	8'	B&B Amelanchier laevis & cvs - Allegheny Serviceberry	431.99	
32 93 43 00-0031	EA	9'	B&B Amelanchier laevis & cvs - Allegheny Serviceberry	495.99	
32 93 43 00-0032	EA	10'	B&B Amelanchier laevis & cvs - Allegheny Serviceberry	543.99	
32 93 43 00-0033	EA	30"	B&B Amelanchier stolonifera & cvs - Running Serviceberry	128.00	
32 93 43 00-0034	EA	48"	B&B Amelanchier stolonifera & cvs - Running Serviceberry	271.99	
32 93 43 00-0035	EA	60"	B&B Amelanchier stolonifera & cvs - Running Serviceberry	351.99	
32 93 43 00-0036	EA	2'	To 4' Amelemchier - Juneberry	38.96	
32 93 43 00-0037	EA	4'	To 5' Amelemchier - Juneberry	40.87	
32 93 43 00-0038	EA	5'	To 6' Amelemchier - Juneberry	48.66	
32 93 43 00-0039	EA	6'	To 8' Amelemchier - Juneberry	58.06	
32 93 43 00-0040	EA	6'	Cercis occidentalis - Western Redbud	183.07	
32 93 43 00-0041	EA	8'	Cercis occidentalis - Western Redbud	251.87	
32 93 43 00-0042	EA	2-1/2"	Caliper Cercis occidentalis - Western Redbud	518.77	
32 93 43 00-0043	EA	3"	Caliper Cercis occidentalis - Western Redbud	631.55	
32 93 43 00-0044	EA	2'	To 3' Magnolia Virginiana - Sweetbay Magnolia	61.95	
32 93 43 00-0045	EA	3'	To 4' Magnolia Virginiana - Sweetbay Magnolia	92.92	
32 93 43 00-0046	EA	4'	To 5' Magnolia Virginiana - Sweetbay Magnolia	116.16	
32 93 43 00-0047	EA	5'	To 6' Magnolia Virginiana - Sweetbay Magnolia	144.67	
32 93 43 00-0048	EA	4'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	245.17	
32 93 43 00-0049	EA	5'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	326.89	
32 93 43 00-0050	EA	6'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	424.95	
32 93 43 00-0051	EA	7'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	473.99	
32 93 43 00-0052	EA	8'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	572.05	
32 93 43 00-0053	EA	9'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	637.43	
32 93 43 00-0054	EA	4'	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	245.17	
32 93 43 00-0055	EA	5'	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	326.89	
32 93 43 00-0056	EA	6'	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	424.95	
32 93 43 00-0057	EA	7'	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	473.99	
32 93 43 00-0058	EA	8'	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	572.05	
32 93 43 00-0059	EA	9'	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	637.43	
32 93 43 00-0060	EA	1	Gallon Platanus racemosa, Multi Trunk - Western Sycamore	5.70	
32 93 43 00-0061	EA	5	Gallon Platanus racemosa, Multi Trunk - Western Sycamore	24.15	
32 93 43 00-0062	EA	20	Gallon Prunus subhirtella - Flowering Cherry	229.85	
32 93 43 00-0063	EA	1-1/2"	To 2" Caliper Prunus subhirtella - Flowering Cherry	237.60	
32 93 43 00-0064	EA	2"	To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	296.96	
32 93 43 00-0065	EA	3-1/2"	To 4" Caliper Prunus subhirtella - Flowering Cherry	619.74	
32 93 43 00-0066	EA	3"	To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	477.65	
32 93 43 00-0067	EA	4"	To 5" Caliper Prunus subhirtella - Flowering Cherry	929.60	
32 93 43 00-0068	EA	5	Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	59.37	
32 93 43 00-0069	EA	15	Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	162.62	
32 93 43 00-0070	EA	20	Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	211.78	
32 93 43 00-0071	EA	5'	To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	67.11	
32 93 43 00-0072	EA	6'	To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	129.06	
32 93 43 00-0073	EA	1-1/2"	To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	237.60	
32 93 43 00-0074	EA	2"	To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	284.05	
32 93 43 00-0075	EA	1-1/2"	To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	185.97	
32 93 43 00-0076	EA	1-1/4"	To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	154.87	
32 93 43 00-0077	EA	1-3/4"	To 2" Caliper Prunus subhirtella - Weeping Cherry	227.15	
32 93 43 00-0078	EA	2"	To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	271.15	
32 93 43 00-0079	EA	2-1/2"	To 3" Caliper Prunus subhirtella - Weeping Cherry	348.59	
32 93 43 00-0080	EA	15	Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	179.46	
32 93 43 00-0081	EA	20	Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	224.32	
32 93 43 00-0082	EA	1-1/2"	To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	233.29	
32 93 43 00-0083	EA	2"	To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	278.15	
32 93 43 00-0084	EA	2-1/2"	To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	376.86	
32 93 43 00-0085	EA	3"	To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	493.50	
32 93 43 00-0086	EA	3-1/2"	To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	628.09	
32 93 43 00-0087	EA	15	Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	179.46	
32 93 43 00-0088	EA	20	Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	224.32	
32 93 43 00-0089	EA	1-1/2"	To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	152.54	
32 93 43 00-0090	EA	2"	To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	233.29	
32 93 43 00-0091	EA	2-1/2"	To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	277.91	
32 93 43 00-0092	EA	3"	To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	376.86	
32 93 43 00-0093	EA	3-1/2"	To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	493.50	
32 93 43 00-0094	EA	1-1/2"	Caliper Pyrus calleryana & cvs - Callery Pear	326.89	
32 93 43 00-0095	EA	2"	Caliper Pyrus calleryana & cvs - Callery Pear	408.61	
32 93 43 00-0096	EA	2-1/2"	Caliper Pyrus calleryana & cvs - Callery Pear	506.67	
32 93 43 00-0097	EA	3"	Caliper Pyrus calleryana & cvs - Callery Pear	572.05	
32 93 43 00-0098	EA	3-1/2"	Caliper Pyrus calleryana & cvs - Callery Pear	637.43	
32 93 43 00-0099	EA	4"	Caliper Pyrus calleryana & cvs - Callery Pear	817.22	
32 93 43 00-0100	EA	1	Gallon Ribes aureum - Golden Currant	4.99	
32 93 43 00-0101	EA	5	Gallon Ribes aureum - Golden Currant	14.27	
32 93 43 00-0102	EA	1	Gallon Ribes sanguineum - Red Flowering Currant	4.99	
32 93 43 00-0103	EA	5	Gallon Ribes sanguineum - Red Flowering Currant	14.27	
32 93 43 00-0104	EA	1	Gallon Ribes viburnifolium - Evergreen Currant	4.99	
32 93 43 00-0105	EA	5	Gallon Ribes viburnifolium - Evergreen Currant	14.27	
32 93 43 00-0106	EA	8'	Cassia leptophlia - Gold Medallion Tree	269.70	
32 93 43 00-0107	EA	10'	Cassia leptophlia - Gold Medallion Tree	342.31	
32 93 43 00-0108	EA	12'	Cassia leptophlia - Gold Medallion Tree	414.92	
32 93 43 00-0109	EA	6'	Magnolia grandiflora 'St. Mary's'	311.19	
32 93 43 00-0110	EA	8'	Magnolia grandiflora 'St. Mary's'	549.77	
32 93 43 00-0111	EA	10'	Magnolia grandiflora 'St. Mary's'	690.84	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 93 43 00-0112	EA	12' Magnolia grandiflora 'St. Mary's'.....		829.84	
32 93 43 00-0113	EA	14' Magnolia grandiflora 'St. Mary's'.....		964.69	
32 93 43 00-0114	EA	16' Magnolia grandiflora 'St. Mary's'.....		1,141.03	
32 93 43 00-0115	EA	24" Box Magnolia grandiflora 'St. Mary's'.....		342.31	
32 93 43 00-0116	EA	6' Prunus cerasifera - Purple Leaf Plum.....		161.82	
32 93 43 00-0117	EA	8' Prunus cerasifera - Purple Leaf Plum.....		186.71	
32 93 43 00-0118	EA	10' Prunus cerasifera - Purple Leaf Plum.....		240.65	
32 93 43 00-0119	EA	24" Box Prunus cerasifera - Purple Leaf Plum.....		256.21	
32 93 43 00-0120	EA	30" Box Prunus cerasifera - Purple Leaf Plum.....		518.65	
32 93 43 00-0121	EA	36" Box Prunus cerasifera - Purple Leaf Plum.....		795.61	
32 93 43 00-0122	EA	6' Pittosporum phillyraeoides - Willow Pittorporum.....		338.16	
32 93 43 00-0123	EA	8' Pittosporum phillyraeoides - Willow Pittorporum.....		483.38	
32 93 43 00-0124	EA	10' Pittosporum phillyraeoides - Willow Pittorporum.....		578.81	
32 93 43 00-0125	EA	12' Pittosporum phillyraeoides - Willow Pittorporum.....		746.86	
32 93 43 00-0126	EA	6' Stenocarpus sinuatus - Firewheel Tree.....		497.90	
32 93 43 00-0127	EA	8' Stenocarpus sinuatus - Firewheel Tree.....		663.87	
32 93 43 00-0128	EA	10' Stenocarpus sinuatus - Firewheel Tree.....		829.84	
32 93 43 00-0129	EA	12' Stenocarpus sinuatus - Firewheel Tree.....		995.81	
32 93 43 00-0130	EA	24" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree.....		237.73	
32 93 43 00-0131	EA	36" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree.....		688.16	
32 93 43 00-0132	EA	1-1/2" Caliper Arbutus menziesii - Madrona.....		360.80	
32 93 43 00-0133	EA	2" Caliper Arbutus menziesii - Madrona.....		469.04	
32 93 43 00-0134	EA	2-1/2" Caliper Arbutus menziesii - Madrona.....		541.20	
32 93 43 00-0135	EA	3" Caliper Arbutus menziesii - Madrona.....		613.36	
32 93 43 00-0136	EA	3-1/2" Caliper Arbutus menziesii - Madrona.....		721.60	
32 93 43 00-0137	EA	1-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree.....		248.95	
32 93 43 00-0138	EA	2" Caliper Koelreuteria bipinnata - Chinese Flame Tree.....		404.55	
32 93 43 00-0139	EA	2-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree.....		497.90	
32 93 43 00-0140	EA	3" Caliper Koelreuteria bipinnata - Chinese Flame Tree.....		549.77	
32 93 43 00-0141	EA	24" Box Koelreuteria bipinnata - Chinese Flame Tree.....		242.73	
32 93 43 00-0142	EA	30" Box Koelreuteria bipinnata - Chinese Flame Tree.....		360.14	
32 93 43 00-0143	EA	36" Box Koelreuteria bipinnata - Chinese Flame Tree.....		876.52	
32 93 43 00-0144	EA	1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree.....		226.13	
32 93 43 00-0145	EA	2" Cliber Koelreuteria paniculata - Golden Rain Tree.....		367.20	
32 93 43 00-0146	EA	2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree.....		450.19	
32 93 43 00-0147	EA	3" Cliber Koelreuteria paniculata - Golden Rain Tree.....		508.28	
32 93 43 00-0148	EA	6' Magnolia grandiflora - Southern Magnolia.....		153.52	
32 93 43 00-0149	EA	7' Magnolia grandiflora - Southern Magnolia.....		232.36	
32 93 43 00-0150	EA	8' Magnolia grandiflora - Southern Magnolia.....		325.71	
32 93 43 00-0151	EA	9' Magnolia grandiflora - Southern Magnolia.....		433.59	
32 93 43 00-0152	EA	10' Magnolia grandiflora - Southern Magnolia.....		659.72	
32 93 43 00-0153	EA	24" Box Magnolia grandiflora - Southern Magnolia.....		269.70	
32 93 43 00-0154	EA	1-1/2" Caliper Tipuana tipu - Tipu Tree.....		321.56	
32 93 43 00-0155	EA	2" Caliper Tipuana tipu - Tipu Tree.....		419.07	
32 93 43 00-0156	EA	2-1/2" Caliper Tipuana tipu - Tipu Tree.....		531.10	
32 93 43 00-0157	EA	3" Caliper Tipuana tipu - Tipu Tree.....		612.01	
32 93 43 00-0158	EA	3-1/2" Caliper Tipuana tipu - Tipu Tree.....		900.38	
32 93 43 00-0159	EA	4" Caliper Tipuana tipu - Tipu Tree.....		1,203.27	
32 93 43 00-0160	EA	24" Box Tipuana tipu - Tipu Tree.....		242.73	
32 93 43 00-0161	EA	6' Albizia julibrissin - Silk Tree.....		497.90	
32 93 43 00-0162	EA	8' Albizia julibrissin - Silk Tree.....		663.87	
32 93 43 00-0163	EA	10' Albizia julibrissin - Silk Tree.....		829.84	
32 93 43 00-0164	EA	12' Albizia julibrissin - Silk Tree.....		995.81	
32 93 43 00-0165	EA	6' Brachychiton acerifolius - Flame Tree.....		497.90	
32 93 43 00-0166	EA	8' Brachychiton acerifolius - Flame Tree.....		663.87	
32 93 43 00-0167	EA	10' Brachychiton acerifolius - Flame Tree.....		829.84	
32 93 43 00-0168	EA	12' Brachychiton acerifolius - Flame Tree.....		995.81	
32 93 43 00-0169	EA	1-1/2" Caliper Chilopsis linearis - Desert Willow.....		402.47	
32 93 43 00-0170	EA	2" Caliper Chilopsis linearis - Desert Willow.....		483.38	
32 93 43 00-0171	EA	2-1/2" Caliper Chilopsis linearis - Desert Willow.....		514.50	
32 93 43 00-0172	EA	3" Caliper Chilopsis linearis - Desert Willow.....		570.52	
32 93 43 00-0173	EA	5 Gallon Chionanthus retusus - Chinese Fringe Tree.....		20.75	
32 93 43 00-0174	EA	15 Gallon Chionanthus retusus - Chinese Fringe Tree.....		82.98	
32 93 43 00-0175	EA	24" Box Chionanthus retusus - Chinese Fringe Tree.....		414.92	
32 93 43 00-0176	EA	5 Gallon Calodendrum capense - Cape Chestnut.....		31.12	
32 93 43 00-0177	EA	15 Gallon Calodendrum capense - Cape Chestnut.....		124.48	
32 93 43 00-0178	EA	24" Box Calodendrum capense - Cape Chestnut.....		466.78	
32 93 43 00-0179	EA	6' Chionanthus virginicus - White Fringe Tree.....		248.95	
32 93 43 00-0180	EA	8' Chionanthus virginicus - White Fringe Tree.....		526.29	
32 93 43 00-0181	EA	10' Chionanthus virginicus - White Fringe Tree.....		733.04	
32 93 43 00-0182	EA	15 Gallon Geijera parvifolia - Australian Willow.....		225.55	
32 93 43 00-0183	EA	24" Box Geijera parvifolia - Australian Willow.....		464.26	
32 93 43 00-0184	EA	30" Box Geijera parvifolia - Australian Willow.....		864.62	
32 93 43 00-0185	EA	36" Box Geijera parvifolia - Australian Willow.....		1,240.54	
32 93 43 00-0186	EA	1-1/2" Caliper Ginko Biloba - Maidenhair Tree.....		669.14	
32 93 43 00-0187	EA	2" Caliper Ginko Biloba - Maidenhair Tree.....		932.28	
32 93 43 00-0188	EA	2-1/2" Caliper Ginko Biloba - Maidenhair Tree.....		1,124.00	
32 93 43 00-0189	EA	3" Caliper Ginko Biloba - Maidenhair Tree.....		1,311.96	
32 93 43 00-0190	EA	3-1/2" Caliper Ginko Biloba - Maidenhair Tree.....		1,717.95	
32 93 43 00-0191	EA	4" Caliper Ginko Biloba - Maidenhair Tree.....		1,834.49	
32 93 43 00-0192	EA	4-1/2" Caliper Ginko Biloba - Maidenhair Tree.....		1,954.78	
32 93 43 00-0193	EA	24" Box Ginko Biloba - Maidenhair Tree.....		610.87	
32 93 43 00-0194	EA	15 Gallon Sapium sebiferum - Chinese Tallow Tree.....		225.55	
32 93 43 00-0195	EA	24" Box Sapium sebiferum - Chinese Tallow Tree.....		827.02	
32 93 43 00-0196	EA	4' To 5' Lagerstroemia indica - Crape Myrtle.....		240.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0197	EA	6'	Lagerstroemia indica - Crape Myrtle	447.34	
32 93 43 00-0198	EA	8'	Lagerstroemia indica - Crape Myrtle	462.38	
32 93 43 00-0199	EA	10'	Lagerstroemia indica - Crape Myrtle	560.12	
32 93 43 00-0200	EA	24"	Box Lagerstroemia indica - Crape Myrtle	439.83	
32 93 43 00-0201	EA	5 Gallon	Celtis Sinensis - Chinese Hackberry	30.44	
32 93 43 00-0202	EA	15 Gallon	Celtis Sinensis - Chinese Hackberry	80.25	
32 93 43 00-0203	EA	24"	Box Celtis Sinensis - Chinese Hackberry	262.90	
32 93 43 00-0204	EA	36"	Box Celtis Sinensis - Chinese Hackberry	767.95	
32 93 43 00-0205	EA	5 Gallon	Crataegus phaenopyrum - Washington Hawthorn	30.44	
32 93 43 00-0206	EA	15 Gallon	Crataegus phaenopyrum - Washington Hawthorn	80.25	
32 93 43 00-0207	EA	24"	Box Crataegus phaenopyrum - Washington Hawthorn	262.90	
32 93 43 00-0208	EA	36"	Box Crataegus phaenopyrum - Washington Hawthorn	767.95	
32 93 43 00-0209	EA	1 Gallon	Eucalyptus ficifolia - Red-Flowering Gum	8.99	
32 93 43 00-0210	EA	5 Gallon	Eucalyptus ficifolia - Red-Flowering Gum	24.91	
32 93 43 00-0211	EA	15 Gallon	Eucalyptus ficifolia - Red-Flowering Gum	109.31	
32 93 43 00-0212	EA	24"	Box Eucalyptus ficifolia - Red-Flowering Gum	262.90	
32 93 43 00-0213	EA	36"	Box Eucalyptus ficifolia - Red-Flowering Gum	691.85	
32 93 43 00-0214	EA	15 Gallon	Fraxinus velutina 'Raywood' - Fan-Tex Ash	67.80	
32 93 43 00-0215	EA	24"	Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	221.39	
32 93 43 00-0216	EA	36"	Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	588.07	
32 93 43 00-0217	EA	48"	Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	1,314.52	
32 93 43 00-0218	EA	5 Gallon	Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	19.37	
32 93 43 00-0219	EA	15 Gallon	Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	67.80	
32 93 43 00-0220	EA	24"	Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	221.39	
32 93 43 00-0221	EA	36"	Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	588.07	
32 93 43 00-0222	EA	48"	Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	1,314.52	
32 93 43 00-0223	EA	5 Gallon	Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	19.37	
32 93 43 00-0224	EA	15 Gallon	Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	81.64	
32 93 43 00-0225	EA	24"	Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	221.39	
32 93 43 00-0226	EA	36"	Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	622.66	
32 93 43 00-0227	EA	48"	Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	1,591.26	
32 93 43 00-0228	EA	5 Gallon	Liquidambar styraciflua 'Festival' - Festival Sweetgum	19.37	
32 93 43 00-0229	EA	15 Gallon	Liquidambar styraciflua 'Festival' - Festival Sweetgum	81.64	
32 93 43 00-0230	EA	24"	Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	221.39	
32 93 43 00-0231	EA	36"	Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	622.66	
32 93 43 00-0232	EA	48"	Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	1,591.26	
32 93 43 00-0233	EA	5 Gallon	Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	19.37	
32 93 43 00-0234	EA	15 Gallon	Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	81.64	
32 93 43 00-0235	EA	24"	Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	221.39	
32 93 43 00-0236	EA	36"	Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	622.66	
32 93 43 00-0237	EA	48"	Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	1,591.26	
32 93 43 00-0238	EA	1 Gallon	Pittosporum undulatum - Victorian Box	8.13	
32 93 43 00-0239	EA	5 Gallon	Pittosporum undulatum - Victorian Box	17.52	
32 93 43 00-0240	EA	15 Gallon	Pittosporum undulatum - Victorian Box	98.84	
32 93 43 00-0241	EA	24"	Box Pittosporum undulatum - Victorian Box	237.73	
32 93 43 00-0242	EA	36"	Box Pittosporum undulatum - Victorian Box	688.16	
32 93 43 00-0243	EA	48"	Box Pittosporum undulatum - Victorian Box	1,564.00	
32 93 43 00-0244	EA	15 Gallon	Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	69.12	
32 93 43 00-0245	EA	24"	Box Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	249.00	

32 93 43 00-0246

Deciduous Shade Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0247	EA	3-1/2" To 4"	Caliper Acer palmatum - Bloodgood Japanese Maple	204.30	
32 93 43 00-0248	EA	4" To 4-1/2"	Caliper Acer palmatum - Bloodgood Japanese Maple	250.44	
32 93 43 00-0249	EA	4-1/2" To 5"	Caliper Acer palmatum - Bloodgood Japanese Maple	326.22	
32 93 43 00-0250	EA	5" To 6"	Caliper Acer palmatum - Bloodgood Japanese Maple	422.88	
32 93 43 00-0251	EA	2'	To 2-1/2' Acer palmatum - Japanese Maple	21.55	
32 93 43 00-0252	EA	4'	To 5' Acer palmatum - Japanese Maple	45.25	
32 93 43 00-0253	EA	5'	To 6' Acer palmatum - Japanese Maple	59.26	
32 93 43 00-0254	EA	6'	To 7' Acer palmatum - Japanese Maple	107.74	
32 93 43 00-0255	EA	7'	To 8' Acer palmatum - Japanese Maple	150.84	
32 93 43 00-0256	EA	8'	To 10' Acer palmatum - Japanese Maple	193.94	
32 93 43 00-0257	EA	10'	To 12' Acer palmatum - Japanese Maple	258.58	
32 93 43 00-0258	EA	2"	Caliper Acer platanoides & cvs - Norway Maple	109.84	
32 93 43 00-0259	EA	2"	Caliper Acer platanoides & cvs - Norway Maple	133.72	
32 93 43 00-0260	EA	3"	Caliper Acer platanoides & cvs - Norway Maple	171.92	
32 93 43 00-0261	EA	3-1/2"	Caliper Acer platanoides & cvs - Norway Maple	200.58	
32 93 43 00-0262	EA	4"	Caliper Acer platanoides & cvs - Norway Maple	214.90	
32 93 43 00-0263	EA	4-1/2"	Caliper Acer platanoides & cvs - Norway Maple	234.01	
32 93 43 00-0264	EA	5"	Caliper Acer platanoides & cvs - Norway Maple	262.66	
32 93 43 00-0265	EA	2"	Caliper Acer rubrum & cvs - Red Maple	105.06	
32 93 43 00-0266	EA	2-1/2"	Caliper Acer rubrum & cvs - Red Maple	133.72	
32 93 43 00-0267	EA	3"	Caliper Acer rubrum & cvs - Red Maple	171.92	
32 93 43 00-0268	EA	3-1/2"	Caliper Acer rubrum & cvs - Red Maple	210.13	
32 93 43 00-0269	EA	4"	Caliper Acer rubrum & cvs - Red Maple	238.78	
32 93 43 00-0270	EA	4-1/2"	Caliper Acer rubrum & cvs - Red Maple	276.99	
32 93 43 00-0271	EA	5"	Caliper Acer rubrum & cvs - Red Maple	310.42	
32 93 43 00-0272	EA	8'	Clump Form Acer rubrum & cvs - Red Maple	128.94	
32 93 43 00-0273	EA	10'	Clump Form Acer rubrum & cvs - Red Maple	171.92	
32 93 43 00-0274	EA	12'	Clump Form Acer rubrum & cvs - Red Maple	200.58	
32 93 43 00-0275	EA	14'	Clump Form Acer rubrum & cvs - Red Maple	229.23	
32 93 43 00-0276	EA	16'	Clump Form Acer rubrum & cvs - Red Maple	257.89	
32 93 43 00-0277	EA	18'	Clump Form Acer rubrum & cvs - Red Maple	286.54	
32 93 43 00-0278	EA	2"	Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	167.15	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 93 43 00-0279	EA	2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut		186.25	
32 93 43 00-0280	EA	3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut		210.13	
32 93 43 00-0281	EA	3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut		238.78	
32 93 43 00-0282	EA	4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut		286.54	
32 93 43 00-0283	EA	2" Caliper Betula nigra - River Birch		119.39	
32 93 43 00-0284	EA	2-1/2" Caliper Betula nigra - River Birch		135.20	
32 93 43 00-0285	EA	3" Caliper Betula nigra - River Birch		152.82	
32 93 43 00-0286	EA	3-1/2" Caliper Betula nigra - River Birch		191.03	
32 93 43 00-0287	EA	4" Caliper Betula nigra - River Birch		214.90	
32 93 43 00-0288	EA	4-1/2" Caliper Betula nigra - River Birch		238.78	
32 93 43 00-0289	EA	5" Caliper Betula nigra - River Birch		262.66	
32 93 43 00-0290	EA	8' Clump Form Betula nigra - River Birch		109.84	
32 93 43 00-0291	EA	10' Clump Form Betula nigra - River Birch		124.17	
32 93 43 00-0292	EA	12' Clump Form Betula nigra - River Birch		143.27	
32 93 43 00-0293	EA	14' Clump Form Betula nigra - River Birch		167.15	
32 93 43 00-0294	EA	16' Clump Form Betula nigra - River Birch		191.03	
32 93 43 00-0295	EA	12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch		143.27	
32 93 43 00-0296	EA	14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch		171.92	
32 93 43 00-0297	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch		200.58	
32 93 43 00-0298	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch		238.78	
32 93 43 00-0299	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch		248.33	
32 93 43 00-0300	EA	2" Caliper Carpinus betulus & cvs - European Hornbeam		191.03	
32 93 43 00-0301	EA	2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam		214.90	
32 93 43 00-0302	EA	3" Caliper Carpinus betulus & cvs - European Hornbeam		248.33	
32 93 43 00-0303	EA	3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam		300.87	
32 93 43 00-0304	EA	6' Clump Form Carpinus betulus & cvs - European Hornbeam		85.96	
32 93 43 00-0305	EA	7' Clump Form Carpinus betulus & cvs - European Hornbeam		119.39	
32 93 43 00-0306	EA	8' Clump Form Carpinus betulus & cvs - European Hornbeam		148.05	
32 93 43 00-0307	EA	2" Caliper Catalpa speciosa - Western Catalpa		105.06	
32 93 43 00-0308	EA	2-1/2" Caliper Catalpa speciosa - Western Catalpa		143.27	
32 93 43 00-0309	EA	3" Caliper Catalpa speciosa - Western Catalpa		186.25	
32 93 43 00-0310	EA	3-1/2" Caliper Catalpa speciosa - Western Catalpa		224.46	
32 93 43 00-0311	EA	4" Caliper Catalpa speciosa - Western Catalpa		257.89	
32 93 43 00-0312	EA	8' Clump Form Corylus cornuta californica - Western Filbert		133.72	
32 93 43 00-0313	EA	10' Clump Form Corylus cornuta californica - Western Filbert		162.37	
32 93 43 00-0314	EA	12' Clump Form Corylus cornuta californica - Western Filbert		191.03	
32 93 43 00-0315	EA	1-1/2" Caliper Diospyros - Persimmon		85.96	
32 93 43 00-0316	EA	2" Caliper Diospyros - Persimmon		105.06	
32 93 43 00-0317	EA	2-1/2" Caliper Diospyros - Persimmon		133.72	
32 93 43 00-0318	EA	3" Caliper Diospyros - Persimmon		167.15	
32 93 43 00-0319	EA	3-1/2" Caliper Diospyros - Persimmon		200.58	
32 93 43 00-0320	EA	2" Caliper Fagus sylvatica & cvs - European Beech		214.90	
32 93 43 00-0321	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech		257.89	
32 93 43 00-0322	EA	3" Caliper Fagus sylvatica & cvs - European Beech		310.42	
32 93 43 00-0323	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech		343.85	
32 93 43 00-0324	EA	4" Caliper Fagus sylvatica & cvs - European Beech		405.93	
32 93 43 00-0325	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech		525.32	
32 93 43 00-0326	EA	5" Caliper Fagus sylvatica & cvs - European Beech		620.83	
32 93 43 00-0327	EA	2" Caliper Fraxinus americana & cvs - White Ash		119.39	
32 93 43 00-0328	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash		143.27	
32 93 43 00-0329	EA	3" Caliper Fraxinus americana & cvs - White Ash		181.47	
32 93 43 00-0330	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash		219.68	
32 93 43 00-0331	EA	4" Caliper Fraxinus americana & cvs - White Ash		257.89	
32 93 43 00-0332	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash		286.54	
32 93 43 00-0333	EA	5" Caliper Fraxinus americana & cvs - White Ash		334.30	
32 93 43 00-0334	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		167.15	
32 93 43 00-0335	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		186.25	
32 93 43 00-0336	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		210.13	
32 93 43 00-0337	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		234.01	
32 93 43 00-0338	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		262.66	
32 93 43 00-0339	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		286.54	
32 93 43 00-0340	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		429.81	
32 93 43 00-0341	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		477.57	
32 93 43 00-0342	EA	2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust		114.62	
32 93 43 00-0343	EA	2-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust		143.27	
32 93 43 00-0344	EA	3" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust		171.92	
32 93 43 00-0345	EA	3-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust		200.58	
32 93 43 00-0346	EA	4" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust		229.23	
32 93 43 00-0347	EA	4-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust		257.89	
32 93 43 00-0348	EA	5" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust		305.64	
32 93 43 00-0349	EA	10' - 12' Bursera Simaruba - Gumbo Limbo		60.41	
32 93 43 00-0350	EA	12' - 14' Bursera Simaruba - Gumbo Limbo		71.40	
32 93 43 00-0351	EA	14' - 16' Bursera Simaruba - Gumbo Limbo		98.86	
32 93 43 00-0352	EA	17' - 18' Bursera Simaruba - Gumbo Limbo		128.51	
32 93 43 00-0353	EA	19' - 20' Bursera Simaruba - Gumbo Limbo		142.79	
32 93 43 00-0354	EA	21' - 22' Bursera Simaruba - Gumbo Limbo		169.15	
32 93 43 00-0355	EA	1-1/2" Caliper Juglans californica - California Walnut		114.62	
32 93 43 00-0356	EA	2" Caliper Juglans californica - California Walnut		133.72	
32 93 43 00-0357	EA	2-1/2" Caliper Juglans californica - California Walnut		167.15	
32 93 43 00-0358	EA	3" Caliper Juglans californica - California Walnut		210.13	
32 93 43 00-0359	EA	3-1/2" Caliper Juglans californica - California Walnut		257.89	
32 93 43 00-0360	EA	4" Caliper Juglans californica - California Walnut		310.42	
32 93 43 00-0361	EA	4-1/2" Caliper Juglans californica - California Walnut		358.17	
32 93 43 00-0362	EA	5" Caliper Juglans californica - California Walnut		405.93	
32 93 43 00-0363	EA	5 Gallon Koeleruteria Paniculata - Goldenrain Tree		12.93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0364	EA	15	Gallon Koelreuteria Paniculata - Goldenrain Tree.....	32.32	
32 93 43 00-0365	EA	20	Gallon Koelreuteria Paniculata - Goldenrain Tree.....	64.65	
32 93 43 00-0366	EA	55	Gallon Koelreuteria Paniculata - Goldenrain Tree.....	84.04	
32 93 43 00-0367	EA	1-1/2"	To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	61.41	
32 93 43 00-0368	EA	2"	To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	74.34	
32 93 43 00-0369	EA	2-1/2"	To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	103.43	
32 93 43 00-0370	EA	1-1/2"	Caliper Liquidambar styraciflua - American Sweetgum.....	152.82	
32 93 43 00-0371	EA	2"	Caliper Liquidambar styraciflua - American Sweetgum.....	191.03	
32 93 43 00-0372	EA	2-1/2"	Caliper Liquidambar styraciflua - American Sweetgum.....	238.78	
32 93 43 00-0373	EA	3"	Caliper Liquidambar styraciflua - American Sweetgum.....	286.54	
32 93 43 00-0374	EA	3-1/2"	Caliper Liquidambar styraciflua - American Sweetgum.....	334.30	
32 93 43 00-0375	EA	1-1/2"	Caliper Liriodendron tulipifera - Tulip Tree.....	152.82	
32 93 43 00-0376	EA	2"	Caliper Liriodendron tulipifera - Tulip Tree.....	210.13	
32 93 43 00-0377	EA	2-1/2"	Caliper Liriodendron tulipifera - Tulip Tree.....	248.33	
32 93 43 00-0378	EA	3"	Caliper Liriodendron tulipifera - Tulip Tree.....	286.54	
32 93 43 00-0379	EA	3-1/2"	Caliper Liriodendron tulipifera - Tulip Tree.....	324.74	
32 93 43 00-0380	EA	8'	Clump Form Liriodendron tulipifera - Tulip Tree.....	114.62	
32 93 43 00-0381	EA	10'	Clump Form Liriodendron tulipifera - Tulip Tree.....	205.35	
32 93 43 00-0382	EA	12'	Clump Form Liriodendron tulipifera - Tulip Tree.....	248.33	
32 93 43 00-0383	EA	1-1/2"	Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	152.82	
32 93 43 00-0384	EA	2"	Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	191.03	
32 93 43 00-0385	EA	2-1/2"	Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	238.78	
32 93 43 00-0386	EA	3"	Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	286.54	
32 93 43 00-0387	EA	3-1/2"	Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	334.30	
32 93 43 00-0388	EA	4'	Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	66.86	
32 93 43 00-0389	EA	5'	Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	76.41	
32 93 43 00-0390	EA	6'	Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	90.74	
32 93 43 00-0391	EA	7'	Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	114.62	
32 93 43 00-0392	EA	8'	Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	143.27	
32 93 43 00-0393	EA	30"	Box Platanus Occidentalis - Buttonwood Sycamore.....	207.48	
32 93 43 00-0394	EA	36"	Box Platanus Occidentalis - Buttonwood Sycamore.....	301.79	
32 93 43 00-0395	EA	42"	Box Platanus occidentalis - Buttonwood Sycamore.....	448.93	
32 93 43 00-0396	EA	1-1/2"	To 2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	69.42	
32 93 43 00-0397	EA	2"	To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	83.00	
32 93 43 00-0398	EA	2-1/2"	To 3" Caliper Platanus occidentalis - Buttonwood Sycamore.....	113.17	
32 93 43 00-0399	EA	3"	To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	137.34	
32 93 43 00-0400	EA	8'	To 10' Platanus occidentalis - Green Or Silver Buttonwood.....	57.12	
32 93 43 00-0401	EA	10'	To 12' Platanus occidentalis - Green Or Silver Buttonwood.....	71.40	
32 93 43 00-0402	EA	12'	To 14' Platanus occidentalis - Green Or Silver Buttonwood.....	126.32	
32 93 43 00-0403	EA	16'	To 18' Platanus occidentalis - Green Or Silver Buttonwood.....	181.24	
32 93 43 00-0404	EA	2"	Caliper Platanus x acerifolia & cvs - London Planetree.....	114.62	
32 93 43 00-0405	EA	2-1/2"	Caliper Platanus x acerifolia & cvs - London Planetree.....	138.49	
32 93 43 00-0406	EA	3"	Caliper Platanus x acerifolia & cvs - London Planetree.....	167.15	
32 93 43 00-0407	EA	3-1/2"	Caliper Platanus x acerifolia & cvs - London Planetree.....	200.58	
32 93 43 00-0408	EA	4"	Caliper Platanus x acerifolia & cvs - London Planetree.....	238.78	
32 93 43 00-0409	EA	2"	Caliper Populus alba & cvs - White Poplar.....	114.62	
32 93 43 00-0410	EA	2-1/2"	Caliper Populus alba & cvs - White Poplar.....	133.72	
32 93 43 00-0411	EA	3"	Caliper Populus alba & cvs - White Poplar.....	152.82	
32 93 43 00-0412	EA	3-1/2"	Caliper Populus alba & cvs - White Poplar.....	181.47	
32 93 43 00-0413	EA	4"	Caliper Populus alba & cvs - White Poplar.....	200.58	
32 93 43 00-0414	EA	4-1/2"	Caliper Populus alba & cvs - White Poplar.....	229.23	
32 93 43 00-0415	EA	2"	Caliper Populus deltoides & cvs - Eastern Cottonwood.....	105.06	
32 93 43 00-0416	EA	2-1/2"	Caliper Populus deltoides & cvs - Eastern Cottonwood.....	138.49	
32 93 43 00-0417	EA	3"	Caliper Populus deltoides & cvs - Eastern Cottonwood.....	167.15	
32 93 43 00-0418	EA	3-1/2"	Caliper Populus deltoides & cvs - Eastern Cottonwood.....	200.58	
32 93 43 00-0419	EA	4"	Caliper Populus deltoides & cvs - Eastern Cottonwood.....	238.78	
32 93 43 00-0420	EA	2"	Caliper Quercus palustris - Pin Oak.....	105.06	
32 93 43 00-0421	EA	2-1/2"	Caliper Quercus palustris - Pin Oak.....	143.27	
32 93 43 00-0422	EA	3"	Caliper Quercus palustris - Pin Oak.....	186.25	
32 93 43 00-0423	EA	3-1/2"	Caliper Quercus palustris - Pin Oak.....	214.90	
32 93 43 00-0424	EA	4"	Caliper Quercus palustris - Pin Oak.....	248.33	
32 93 43 00-0425	EA	4-1/2"	Caliper Quercus palustris - Pin Oak.....	281.76	
32 93 43 00-0426	EA	5"	Caliper Quercus palustris - Pin Oak.....	310.42	
32 93 43 00-0427	EA	2"	Caliper Quercus shumardii - Shumard Oak.....	162.37	
32 93 43 00-0428	EA	2-1/2"	Caliper Quercus shumardii - Shumard Oak.....	205.35	
32 93 43 00-0429	EA	3"	Caliper Quercus shumardii - Shumard Oak.....	238.78	
32 93 43 00-0430	EA	3-1/2"	Caliper Quercus shumardii - Shumard Oak.....	286.54	
32 93 43 00-0431	EA	4"	Caliper Quercus shumardii - Shumard Oak.....	334.30	
32 93 43 00-0432	EA	4-1/2"	Caliper Quercus shumardii - Shumard Oak.....	382.05	
32 93 43 00-0433	EA	5"	Caliper Quercus shumardii - Shumard Oak.....	429.81	
32 93 43 00-0434	EA	24"	Box Salix babylonica - Weeping Willow.....	120.71	
32 93 43 00-0435	EA	36"	Box Salix babylonica - Weeping Willow.....	301.79	
32 93 43 00-0436	EA	1-1/2"	To 2" Caliper Salix babylonica - Weeping Willow.....	69.42	
32 93 43 00-0437	EA	2"	To 2-1/2" Caliper Salix babylonica - Weeping Willow.....	83.00	
32 93 43 00-0438	EA	2-1/2"	To 3" Caliper Salix babylonica - Weeping Willow.....	90.54	
32 93 43 00-0439	EA	2'	Thuja occidentalis - American Arborvitae.....	16.37	
32 93 43 00-0440	EA	2-1/2"	Thuja occidentalis - American Arborvitae.....	17.68	
32 93 43 00-0441	EA	3'	Thuja occidentalis - American Arborvitae.....	25.26	
32 93 43 00-0442	EA	4'	Thuja occidentalis - American Arborvitae.....	34.71	
32 93 43 00-0443	EA	5'	Thuja occidentalis - American Arborvitae.....	48.33	
32 93 43 00-0444	EA	6'	Thuja occidentalis - American Arborvitae.....	67.00	
32 93 43 00-0445	EA	7'	Thuja occidentalis - American Arborvitae.....	81.28	
32 93 43 00-0446	EA	8'	Thuja occidentalis - American Arborvitae.....	114.23	
32 93 43 00-0447	EA	2"	Caliper Tilia cordata & cvs - Littleleaf Linden.....	120.11	
32 93 43 00-0448	EA	2-1/2"	Caliper Tilia cordata & cvs - Littleleaf Linden.....	145.08	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0449 EA 3" Caliper Tilia cordata & cvs - Littleleaf Linden.....	167.15	
32 93 43 00-0450 EA 3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	205.35	
32 93 43 00-0451 EA 4" Caliper Tilia cordata & cvs - Littleleaf Linden.....	234.01	
32 93 43 00-0452 EA 4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	262.66	
32 93 43 00-0453 EA 5" Caliper Tilia cordata & cvs - Littleleaf Linden.....	291.31	
32 93 43 00-0454 EA 2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	133.72	
32 93 43 00-0455 EA 2-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	152.82	
32 93 43 00-0456 EA 3" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	167.15	
32 93 43 00-0457 EA 3-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	181.47	
32 93 43 00-0458 EA 4" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	200.58	
32 93 43 00-0459 EA 4-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	238.78	
32 93 43 00-0460 EA 5" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	281.76	
32 93 43 00-0461 EA 2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	152.82	
32 93 43 00-0462 EA 2-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	167.15	
32 93 43 00-0463 EA 3" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	181.47	
32 93 43 00-0464 EA 3-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	200.58	
32 93 43 00-0465 EA 4" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	238.78	
32 93 43 00-0466 EA 4-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	281.76	
32 93 43 00-0467 EA 5" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	324.74	
32 93 43 00-0468 EA 2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	152.82	
32 93 43 00-0469 EA 2-1/2" Mary-Louise Parker Ulmus x 'Regal' - Regal Hybrid Elm.....	167.15	
32 93 43 00-0470 EA 3" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	181.47	
32 93 43 00-0471 EA 3-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	200.58	
32 93 43 00-0472 EA 4" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	238.78	
32 93 43 00-0473 EA 4-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	281.76	
32 93 43 00-0474 EA 5" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	324.74	
32 93 43 00-0475 EA 1-1/2" To 2" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	349.61	
32 93 43 00-0476 EA 2" To 2-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	624.03	
32 93 43 00-0477 EA 2-1/2" To 3" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	913.49	
32 93 43 00-0478 EA 3" To 3-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	1,135.28	
32 93 43 00-0479 EA 3-1/2" To 4" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	1,469.85	
32 93 43 00-0480 EA 4" To 5" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	1,672.84	
32 93 43 00-0481 EA 24" Box Platanus acerifolia "Bloodgold" - London Plane.....	439.83	
32 93 43 00-0482 EA 1-1/2" Caliper Quercus suber - Cork Oak.....	526.29	
32 93 43 00-0483 EA 2" Caliper Quercus suber - Cork Oak.....	729.28	
32 93 43 00-0484 EA 2-1/2" Caliper Quercus suber - Cork Oak.....	932.28	
32 93 43 00-0485 EA 3" Caliper Quercus suber - Cork Oak.....	1,165.35	
32 93 43 00-0486 EA 3-1/2" Caliper Quercus suber - Cork Oak.....	1,748.03	
32 93 43 00-0487 EA 4" Caliper Quercus suber - Cork Oak.....	2,255.52	
32 93 43 00-0488 EA 4-1/2" Caliper Quercus suber - Cork Oak.....	2,932.18	
32 93 43 00-0489 EA 1-1/2" Caliper Quercus ilex - Holly Oak.....	582.68	
32 93 43 00-0490 EA 2" Caliper Quercus ilex - Holly Oak.....	785.67	
32 93 43 00-0491 EA 2-1/2" Caliper Quercus ilex - Holly Oak.....	962.36	
32 93 43 00-0492 EA 3" Caliper Quercus ilex - Holly Oak.....	1,165.35	
32 93 43 00-0493 EA 3-1/2" Caliper Quercus ilex - Holly Oak.....	1,748.03	
32 93 43 00-0494 EA 4" Caliper Quercus ilex - Holly Oak.....	2,255.52	

**32 93 43 00-0495****Evergreen Trees** (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0496 EA 2' To 3' Cedrus atlantica - Blue Atlas Cedar.....	16.54	
32 93 43 00-0497 EA 3' To 4' Cedrus atlantica - Blue Atlas Cedar.....	26.59	
32 93 43 00-0498 EA 4' To 5' Cedrus atlantica - Blue Atlas Cedar.....	39.51	
32 93 43 00-0499 EA 5' To 6' Cedrus atlantica - Blue Atlas Cedar.....	53.15	
32 93 43 00-0500 EA 7' To 8' Cedrus atlantica - Blue Atlas Cedar.....	75.47	
32 93 43 00-0501 EA 6' To 8' Cedrus deodara - Indian Cedar.....	68.28	
32 93 43 00-0502 EA 8' To 10' Cedrus deodara - Indian Cedar.....	79.06	
32 93 43 00-0503 EA 10' To 12' Cedrus deodara - Indian Cedar.....	107.79	
32 93 43 00-0504 EA 12' To 14' Cedrus deodara - Indian Cedar.....	140.12	
32 93 43 00-0505 EA 14' To 16' Cedrus deodara - Indian Cedar.....	179.67	
32 93 43 00-0506 EA 15' To 18" Chamaecyparis obtusa - Compact Hinoki Cypress.....	21.34	
32 93 43 00-0507 EA 18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress.....	32.02	
32 93 43 00-0508 EA 2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress.....	49.80	
32 93 43 00-0509 EA 3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress.....	85.38	
32 93 43 00-0510 EA 5 Gallon Cupressocyparis leylandii - Leyland Cypress.....	11.74	
32 93 43 00-0511 EA 15 Gallon Cupressocyparis leylandii - Leyland Cypress.....	46.97	
32 93 43 00-0512 EA 4' To 5' Cupressocyparis leylandii - Leyland Cypress.....	20.55	
32 93 43 00-0513 EA 5' To 6' Cupressocyparis leylandii - Leyland Cypress.....	26.42	
32 93 43 00-0514 EA 6' To 7' Cupressocyparis leylandii - Leyland Cypress.....	41.10	
32 93 43 00-0515 EA 24" Box Cupressocyparis leylandii - Leyland Cypress.....	99.81	
32 93 43 00-0516 EA 1 Gallon Cupressus macrocarpa - Monterey Cypress.....	2.14	
32 93 43 00-0517 EA 5 Gallon Cupressus macrocarpa - Monterey Cypress.....	9.64	
32 93 43 00-0518 EA 15 Gallon Cupressus macrocarpa - Monterey Cypress.....	32.12	
32 93 43 00-0519 EA 5 Gallon Cupressus sempervirens - Italian Cypress.....	11.05	
32 93 43 00-0520 EA 15 Gallon Cupressus sempervirens - Italian Cypress.....	30.39	
32 93 43 00-0521 EA 1 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper.....	3.25	
32 93 43 00-0522 EA 2 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper.....	6.35	
32 93 43 00-0523 EA 3 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper.....	7.87	
32 93 43 00-0524 EA 5 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper.....	9.26	
32 93 43 00-0525 EA 1 Gallon Juniperus - Blue Sargent Juniper.....	3.25	
32 93 43 00-0526 EA 2 Gallon Juniperus - Blue Sargent Juniper.....	6.35	
32 93 43 00-0527 EA 3 Gallon Juniperus - Blue Sargent Juniper.....	7.87	
32 93 43 00-0528 EA 5 Gallon Juniperus - Blue Sargent Juniper.....	9.26	
32 93 43 00-0529 EA 5 Gallon Juniperus - Compact Pfitzer Juniper.....	9.26	
32 93 43 00-0530 EA 15" To 18" Juniperus - Compact Pfitzer Juniper.....	10.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0531	EA	18"	To 24" Juniperus - Compact Pfitzer Juniper	12.09	
32 93 43 00-0532	EA	2'	To 2 1/2' Juniperus - Compact Pfitzer Juniper	17.96	
32 93 43 00-0533	EA	2-1/2'	To 3' Juniperus - Compact Pfitzer Juniper	20.79	
32 93 43 00-0534	EA	5'	To 6' Juniperus - Fairview Juniper	30.97	
32 93 43 00-0535	EA	1	Gallon Juniperus - Hollywood Juniper	4.14	
32 93 43 00-0536	EA	5	Gallon Juniperus - Hollywood Juniper	11.54	
32 93 43 00-0537	EA	15	Gallon Juniperus - Hollywood Juniper	48.91	
32 93 43 00-0538	EA	4'	To 5' Juniperus - Hollywood Juniper	32.33	
32 93 43 00-0539	EA	5'	To 6' Juniperus - Hollywood Juniper	41.65	
32 93 43 00-0540	EA	1	Gallon Juniperus - Parson's Juniper	3.25	
32 93 43 00-0541	EA	2	Gallon Juniperus - Parson's Juniper	6.42	
32 93 43 00-0542	EA	3	Gallon Juniperus - Parson's Juniper	7.94	
32 93 43 00-0543	EA	5	Gallon Juniperus - Parson's Juniper	9.39	
32 93 43 00-0544	EA	5	Gallon Juniperus - Skyrocket Juniper	11.60	
32 93 43 00-0545	EA	15	Gallon Juniperus - Skyrocket Juniper	49.39	
32 93 43 00-0546	EA	2'	To 3' Juniperus - Skyrocket Juniper	17.41	
32 93 43 00-0547	EA	3'	To 4' Juniperus - Skyrocket Juniper	24.66	
32 93 43 00-0548	EA	4'	To 5' Juniperus - Skyrocket Juniper	32.67	
32 93 43 00-0549	EA	5'	To 6' Juniperus - Skyrocket Juniper	42.14	
32 93 43 00-0550	EA	6'	To 8' Juniperus - Skyrocket Juniper	54.43	
32 93 43 00-0551	EA	1	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	3.25	
32 93 43 00-0552	EA	2	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	6.39	
32 93 43 00-0553	EA	3	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	7.84	
32 93 43 00-0554	EA	5	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	9.29	
32 93 43 00-0555	EA	1	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	3.25	
32 93 43 00-0556	EA	2	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	6.39	
32 93 43 00-0557	EA	3	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	7.84	
32 93 43 00-0558	EA	5	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	9.29	
32 93 43 00-0559	EA	3'	Pinus sylvestris - Scotch Pine	30.17	
32 93 43 00-0560	EA	4'	Pinus sylvestris - Scotch Pine	41.88	
32 93 43 00-0561	EA	5'	Pinus sylvestris - Scotch Pine	58.79	
32 93 43 00-0562	EA	6'	Pinus sylvestris - Scotch Pine	81.56	
32 93 43 00-0563	EA	7'	Pinus sylvestris - Scotch Pine	99.94	
32 93 43 00-0564	EA	8'	Pinus sylvestris - Scotch Pine	141.08	
32 93 43 00-0565	EA	9'	Pinus sylvestris - Scotch Pine	179.11	
32 93 43 00-0566	EA	10'	Pinus sylvestris - Scotch Pine	206.67	
32 93 43 00-0567	EA	12'	Pinus sylvestris - Scotch Pine	243.41	
32 93 43 00-0568	EA	14'	Pinus sylvestris - Scotch Pine	275.56	
32 93 43 00-0569	EA	16'	Pinus sylvestris - Scotch Pine	321.48	
32 93 43 00-0570	EA	1	Gallon Pinus thunbergiana - Japanese Black Pine	3.25	
32 93 43 00-0571	EA	5	Gallon Pinus thunbergiana - Japanese Black Pine	11.54	
32 93 43 00-0572	EA	15	Gallon Pinus thunbergiana - Japanese Black Pine	37.37	
32 93 43 00-0573	EA	2'	To 3' Pinus thunbergiana - Japanese Black Pine	15.82	
32 93 43 00-0574	EA	3'	To 4' Pinus thunbergiana - Japanese Black Pine	20.10	
32 93 43 00-0575	EA	4'	To 5' Pinus thunbergiana - Japanese Black Pine	30.19	
32 93 43 00-0576	EA	5'	To 6' Pinus thunbergiana - Japanese Black Pine	58.92	
32 93 43 00-0577	EA	6'	To 7' Pinus Thunbergiana - Japanese Black Pine	66.11	
32 93 43 00-0578	EA	7'	To 8' Pinus thunbergiana - Japanese Black Pine	82.61	
32 93 43 00-0579	EA	6'	Pinus flexilis & cvs - Limber Pine	114.82	
32 93 43 00-0580	EA	7'	Pinus flexilis & cvs - Limber Pine	133.19	
32 93 43 00-0581	EA	8'	Pinus flexilis & cvs - Limber Pine	165.33	
32 93 43 00-0582	EA	9'	Pinus flexilis & cvs - Limber Pine	202.07	
32 93 43 00-0583	EA	10'	Pinus flexilis & cvs - Limber Pine	229.63	
32 93 43 00-0584	EA	1	Gallon Pinus mugo - Mugho Pine	4.28	
32 93 43 00-0585	EA	2	Gallon Pinus mugo - Mugho Pine	9.05	
32 93 43 00-0586	EA	3	Gallon Pinus mugo - Mugho Pine	11.33	
32 93 43 00-0587	EA	5	Gallon Pinus mugo - Mugho Pine	14.37	
32 93 43 00-0588	EA	12"	To 15" Spread Pinus mugo - Mugho Pine	11.12	
32 93 43 00-0589	EA	15"	To 18" Spread Pinus mugo - Mugho Pine	13.26	
32 93 43 00-0590	EA	18"	To 24" Spread Pinus mugo - Mugho Pine	17.96	
32 93 43 00-0591	EA	2'	To 2-1/2' Spread Pinus mugo - Mugho Pine	25.14	
32 93 43 00-0592	EA	2-1/2'	To 3' Spread Pinus mugo - Mugho Pine	32.33	
32 93 43 00-0593	EA	3'	To 3-1/2' Spread Pinus mugo - Mugho Pine	40.27	
32 93 43 00-0594	EA	3-1/2'	To 4' Spread Pinus mugo - Mugho Pine	48.91	
32 93 43 00-0595	EA	6'	Pinus nigra - Austrian Pine	114.82	
32 93 43 00-0596	EA	7'	Pinus nigra - Austrian Pine	137.78	
32 93 43 00-0597	EA	8'	Pinus nigra - Austrian Pine	179.11	
32 93 43 00-0598	EA	9'	Pinus nigra - Austrian Pine	206.67	
32 93 43 00-0599	EA	10'	Pinus nigra - Austrian Pine	243.41	
32 93 43 00-0600	EA	12'	Pinus nigra - Austrian Pine	275.56	
32 93 43 00-0601	EA	14'	Pinus nigra - Austrian Pine	307.70	
32 93 43 00-0602	EA	16'	Pinus nigra - Austrian Pine	349.04	
32 93 43 00-0603	EA	1	Gallon Podocarpus - Chinese Podocarpus	2.14	
32 93 43 00-0604	EA	3	Gallon Podocarpus - Chinese Podocarpus	4.97	
32 93 43 00-0605	EA	7	Gallon Podocarpus - Chinese Podocarpus	14.37	
32 93 43 00-0606	EA	15	Gallon Podocarpus - Chinese Podocarpus	23.35	
32 93 43 00-0607	EA	4'	To 5' Podocarpus - Chinese Podocarpus	35.92	
32 93 43 00-0608	EA	5'	To 6' Sequoia sempervirens - Dawn Redwood	44.90	
32 93 43 00-0609	EA	6'	To 8' Sequoia sempervirens - Dawn Redwood	60.61	
32 93 43 00-0610	EA	8'	To 10' Sequoia sempervirens - Dawn Redwood	74.08	
32 93 43 00-0611	EA	3'	To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae	8.66	
32 93 43 00-0612	EA	3'	To 4' Thuja occidentalis 'Woodwardii' - Woodward Arborvitae	30.16	
32 93 43 00-0613	EA	4'	Metrosideros excelsus - New Zealand Christmas Tree	65.49	
32 93 43 00-0614	EA	5'	Metrosideros excelsus - New Zealand Christmas Tree	88.73	
32 93 43 00-0615	EA	6'	Metrosideros excelsus - New Zealand Christmas Tree	151.05	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 43 00-0616	EA	8' Metrosideros excelsus - New Zealand Christmas Tree	186.97	
32 93 43 00-0617	EA	24" Box Metrosideros excelsus - New Zealand Christmas Tree	158.17	
32 93 43 00-0618	EA	6' Cedrus decurrens - Incense Cedar	77.11	
32 93 43 00-0619	EA	8' Cedrus decurrens - Incense Cedar	159.50	
32 93 43 00-0620	EA	10' Cedrus decurrens - Incense Cedar	211.26	
32 93 43 00-0621	EA	12' Cedrus decurrens - Incense Cedar	279.92	
32 93 43 00-0622	EA	6' Pinus canariensis - Canary Island Pine	253.51	
32 93 43 00-0623	EA	8' Pinus canariensis - Canary Island Pine	338.02	
32 93 43 00-0624	EA	10' Pinus canariensis - Canary Island Pine	422.52	
32 93 43 00-0625	EA	12' Pinus canariensis - Canary Island Pine	507.02	
32 93 43 00-0626	EA	24" Box Pinus canariensis - Canary Island Pine	260.91	
32 93 43 00-0627	EA	6' Pinus pinea - Italian Stone Pine	253.51	
32 93 43 00-0628	EA	8' Pinus pinea - Italian Stone Pine	338.02	
32 93 43 00-0629	EA	10' Pinus pinea - Italian Stone Pine	422.52	
32 93 43 00-0630	EA	12' Pinus pinea - Italian Stone Pine	507.02	
32 93 43 00-0631	EA	6' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	264.08	
32 93 43 00-0632	EA	8' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	348.58	
32 93 43 00-0633	EA	10' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	443.65	
32 93 43 00-0634	EA	12' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	528.15	
32 93 43 00-0635	EA	24" Box Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	123.59	
32 93 43 00-0636	EA	6' Melaleuca linariifolia - Flaxleaf Paperbark	221.82	
32 93 43 00-0637	EA	8' Melaleuca linariifolia - Flaxleaf Paperbark	295.76	
32 93 43 00-0638	EA	10' Melaleuca linariifolia - Flaxleaf Paperbark	369.70	
32 93 43 00-0639	EA	12' Melaleuca linariifolia - Flaxleaf Paperbark	443.65	
32 93 43 00-0640	EA	24" Box Melaleuca linariifolia - Flaxleaf Paperbark	219.71	
32 93 43 00-0641	EA	6' Melaleuca quinquenervia - Cajeput Tree	221.82	
32 93 43 00-0642	EA	8' Melaleuca quinquenervia - Cajeput Tree	295.76	
32 93 43 00-0643	EA	10' Melaleuca quinquenervia - Cajeput Tree	369.70	
32 93 43 00-0644	EA	12' Melaleuca quinquenervia - Cajeput Tree	443.65	
32 93 43 00-0645	EA	24" Box Melaleuca quinquenervia - Cajeput Tree	123.59	
32 93 43 00-0646	EA	30" Box Melaleuca quinquenervia - Cajeput Tree	311.61	
32 93 43 00-0647	EA	36" Box Melaleuca quinquenervia - Cajeput Tree	491.18	
32 93 43 00-0648	EA	6' Pittosporum undulatum - Victorian Box	139.43	
32 93 43 00-0649	EA	8' Pittosporum undulatum - Victorian Box	220.77	
32 93 43 00-0650	EA	10' Pittosporum undulatum - Victorian Box	290.48	
32 93 43 00-0651	EA	1 Gallon Podocarpus macrophyllus - Yew Pine	4.91	
32 93 43 00-0652	EA	3 Gallon Podocarpus macrophyllus - Yew Pine	11.51	
32 93 43 00-0653	EA	5 Gallon Podocarpus macrophyllus - Yew Pine	15.11	
32 93 43 00-0654	EA	15 Gallon Podocarpus macrophyllus - Yew Pine	65.49	
32 93 43 00-0655	EA	24" Box Podocarpus macrophyllus - Yew Pine	126.76	
32 93 43 00-0656	EA	24" Box Rhus lancea - African Sumac	130.45	
32 93 43 00-0657	EA	30" Box Rhus lancea - African Sumac	211.26	
32 93 43 00-0658	EA	8' Rhus lancea - African Sumac	316.89	
32 93 43 00-0659	EA	10' Rhus lancea - African Sumac	353.86	
32 93 43 00-0660	EA	12' Rhus lancea - African Sumac	422.52	

**32 93 43 00-0661 Palm And Subtropical Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0662	EA	4' To 5' Archontophoenix cunninghamiana - King Palm	92.96	
32 93 43 00-0663	EA	6' To 8' Archontophoenix cunninghamiana - King Palm	144.60	
32 93 43 00-0664	EA	8' To 10' Archontophoenix cunninghamiana - King Palm	185.91	
32 93 43 00-0665	EA	10' To 12' Archontophoenix cunninghamiana - King Palm	247.88	
32 93 43 00-0666	EA	10' To 16' Sabal palmetto - Cabbage Palm	145.20	
32 93 43 00-0667	EA	12' To 16' Cocos nucifera - Coconut Palm	395.99	
32 93 43 00-0668	EA	3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm	197.18	
32 93 43 00-0669	EA	5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm	309.85	
32 93 43 00-0670	EA	3' To 4' Chamaerops humilis - European Fan Palm	169.01	
32 93 43 00-0671	EA	5' To 6' Chamaerops humilis - European Fan Palm	225.35	
32 93 43 00-0672	EA	7' To 8' Chamaerops humilis - European Fan Palm	525.81	
32 93 43 00-0673	EA	9' To 10' Chamaerops humilis - European Fan Palm	901.39	
32 93 43 00-0674	EA	6' To 7' Thrinax morrisii - Key Thatch Palm	394.36	
32 93 43 00-0675	EA	8' To 9' Thrinax morrisii - Key Thatch Palm	507.03	
32 93 43 00-0676	EA	10' To 11' Thrinax morrisii - Key Thatch Palm	619.71	
32 93 43 00-0677	EA	4' To 5' Rhaps excelsa - Lady Palm	356.80	
32 93 43 00-0678	EA	6' To 7' Rhaps excelsa - Lady Palm	507.03	
32 93 43 00-0679	EA	6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	131.45	
32 93 43 00-0680	EA	8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	262.91	
32 93 43 00-0681	EA	10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	338.02	
32 93 43 00-0682	EA	12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	469.48	
32 93 43 00-0683	EA	4' To 5' Arecastrum romanzoffianum - Queen Palm	70.42	
32 93 43 00-0684	EA	6' To 8' Arecastrum romanzoffianum - Queen Palm	98.59	
32 93 43 00-0685	EA	8' To 10' Arecastrum romanzoffianum - Queen Palm	126.76	
32 93 43 00-0686	EA	10' To 12' Arecastrum romanzoffianum - Queen Palm	154.93	
32 93 43 00-0687	EA	12' To 14' Arecastrum romanzoffianum - Queen Palm	187.79	
32 93 43 00-0688	EA	14' To 16' Arecastrum romanzoffianum - Queen Palm	234.74	
32 93 43 00-0689	EA	8' To 9' Roystonea regia - Royal Palm	287.32	
32 93 43 00-0690	EA	10' To 11' Roystonea regia - Royal Palm	351.17	
32 93 43 00-0691	EA	12' To 13' Roystonea regia - Royal Palm	415.02	
32 93 43 00-0692	EA	14' To 15' Roystonea regia - Royal Palm	478.86	
32 93 43 00-0693	EA	16' To 17' Roystonea regia - Royal Palm	542.71	
32 93 43 00-0694	EA	18' To 19' Roystonea regia - Royal Palm	606.56	
32 93 43 00-0695	EA	20' To 21' Roystonea regia - Royal Palm	670.41	
32 93 43 00-0696	EA	9' Ptychosperma elegans - Alexander Palm, Solitaire Palm	140.84	
32 93 43 00-0697	EA	11' Ptychosperma elegans - Alexander Palm, Solitaire Palm	234.74	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0698	EA	15'	Ptychosperma elegans - Alexander Palm, Solitaire Palm	356.80	
32 93 43 00-0699	EA	17'	Ptychosperma elegans - Alexander Palm, Solitaire Palm	403.75	
32 93 43 00-0700	EA	20'	Ptychosperma elegans - Alexander Palm, Solitaire Palm	469.48	
32 93 43 00-0701	EA	4'	To 5' Bauninia blakeana - Hong Kong Orchid	403.75	
32 93 43 00-0702	EA	6'	Bauninia blakeana - Hong Kong Orchid	478.86	
32 93 43 00-0703	EA	8'	Bauninia blakeana - Hong Kong Orchid	638.49	
32 93 43 00-0704	EA	10'	Bauninia blakeana - Hong Kong Orchid	798.11	
32 93 43 00-0705	EA	4'	To 5' Acacia baileyana - Bailey Acacia	219.68	
32 93 43 00-0706	EA	6'	Acacia baileyana - Bailey Acacia	263.62	
32 93 43 00-0707	EA	8'	Acacia baileyana - Bailey Acacia	307.55	
32 93 43 00-0708	EA	10'	Acacia baileyana - Bailey Acacia	384.44	
32 93 43 00-0709	EA	6'	Agonis flexuosa - Peppermint Tree	131.81	
32 93 43 00-0710	EA	8'	Agonis flexuosa - Peppermint Tree	164.76	
32 93 43 00-0711	EA	10'	Agonis flexuosa - Peppermint Tree	197.71	
32 93 43 00-0712	EA	24"	Box Agonis flexuosa - Peppermint Tree	164.21	
32 93 43 00-0713	EA	6'	Bauhinia purpurea - Purple Orchid Tree	507.03	
32 93 43 00-0714	EA	8'	Bauhinia purpurea - Purple Orchid Tree	676.04	
32 93 43 00-0715	EA	10'	Bauhinia purpurea - Purple Orchid Tree	845.06	
32 93 43 00-0716	EA	24"	Box Bauhinia purpurea - Purple Orchid Tree	219.71	
32 93 43 00-0717	EA	6'	Bauhinia variegata candida - White Orchid Tree	563.37	
32 93 43 00-0718	EA	8'	Bauhinia variegata candida - White Orchid Tree	751.16	
32 93 43 00-0719	EA	10'	Bauhinia variegata candida - White Orchid Tree	938.95	
32 93 43 00-0720	EA	6'	Callistemon citrinus - Crimson or Lemon Bottle Brush	296.57	
32 93 43 00-0721	EA	8'	Callistemon citrinus - Crimson or Lemon Bottle Brush	395.42	
32 93 43 00-0722	EA	10'	Callistemon citrinus - Crimson or Lemon Bottle Brush	494.28	
32 93 43 00-0723	EA	6'	Eriobotrya deflexa - Bronze Loquat	507.03	
32 93 43 00-0724	EA	8'	Eriobotrya deflexa - Bronze Loquat	676.04	
32 93 43 00-0725	EA	10'	Eriobotrya deflexa - Bronze Loquat	845.06	
32 93 43 00-0726	EA	6'	Eucalyptus erythrocorys - Red Cap Gum	507.03	
32 93 43 00-0727	EA	8'	Eucalyptus erythrocorys - Red Cap Gum	676.04	
32 93 43 00-0728	EA	10'	Eucalyptus erythrocorys - Red Cap Gum	845.06	
32 93 43 00-0729	EA	6'	Eucalyptus torquala - Coral Gum	507.03	
32 93 43 00-0730	EA	8'	Eucalyptus torquala - Coral Gum	676.04	
32 93 43 00-0731	EA	10'	Eucalyptus torquala - Coral Gum	845.06	
32 93 43 00-0732	EA	8'	Fraxinus oxycarpa "Raywood" - Raywood Ash	307.55	
32 93 43 00-0733	EA	10'	Fraxinus oxycarpa "Raywood" - Raywood Ash	417.39	
32 93 43 00-0734	EA	12'	Fraxinus oxycarpa "Raywood" - Raywood Ash	516.25	
32 93 43 00-0735	EA	1	Gallon Washingtonia robusta - Mexican Fan Palm	6.23	
32 93 43 00-0736	EA	5	Gallon Washingtonia robusta - Mexican Fan Palm	19.37	
32 93 43 00-0737	EA	15	Gallon Washingtonia robusta - Mexican Fan Palm	67.80	
32 93 43 00-0738	EA	24"	Box Washingtonia robusta - Mexican Fan Palm	221.39	
32 93 43 00-0739	EA	36"	Box Washingtonia robusta - Mexican Fan Palm	588.07	
32 93 43 00-0740	EA	6'	Washingtonia robusta - Mexican Fan Palm	507.03	
32 93 43 00-0741	EA	8'	Washingtonia robusta - Mexican Fan Palm	676.04	
32 93 43 00-0742	EA	10'	Washingtonia robusta - Mexican Fan Palm	845.06	
32 93 43 00-0743	EA	12'	Washingtonia robusta - Mexican Fan Palm	1,014.07	
32 93 43 00-0744	EA	6'	Olea europaea - Olive "Fruitless"	285.20	
32 93 43 00-0745	EA	8'	Olea europaea - Olive "Fruitless"	380.27	
32 93 43 00-0746	EA	10'	Olea europaea - Olive "Fruitless"	475.34	
32 93 43 00-0747	EA	12'	Olea europaea - Olive "Fruitless"	570.40	
32 93 43 00-0748	EA	24"	Box Olea europaea - Olive "Fruitless"	350.69	
32 93 43 00-0749	EA	6'	Eucalyptus polyanthemos - Silver Dollar Gum	507.03	
32 93 43 00-0750	EA	8'	Eucalyptus polyanthemos - Silver Dollar Gum	676.04	
32 93 43 00-0751	EA	10'	Eucalyptus polyanthemos - Silver Dollar Gum	845.06	
32 93 43 00-0752	EA	6'	Eucalyptus leucoxydon - White Ironbark	507.03	
32 93 43 00-0753	EA	8'	Eucalyptus leucoxydon - White Ironbark	676.04	
32 93 43 00-0754	EA	10'	Eucalyptus leucoxydon - White Ironbark	845.06	
32 93 43 00-0755	EA	12'	Eucalyptus leucoxydon - White Ironbark	1,014.07	
32 93 43 00-0756	EA	6'	Callistemon viminalis - Weeping Bottle Brush	296.57	
32 93 43 00-0757	EA	8'	Callistemon viminalis - Weeping Bottle Brush	395.42	
32 93 43 00-0758	EA	10'	Callistemon viminalis - Weeping Bottle Brush	494.28	
32 93 43 00-0759	EA	12'	Callistemon viminalis - Weeping Bottle Brush	593.14	
32 93 43 00-0760	EA	6'	Eucalyptus gunnii - Cider Gum	507.03	
32 93 43 00-0761	EA	8'	Eucalyptus gunnii - Cider Gum	676.04	
32 93 43 00-0762	EA	10'	Eucalyptus gunnii - Cider Gum	845.06	
32 93 43 00-0763	EA	6'	Jacarandra acutifolia - Jacaranda	507.03	
32 93 43 00-0764	EA	8'	Jacarandra acutifolia - Jacaranda	676.04	
32 93 43 00-0765	EA	10'	Jacarandra acutifolia - Jacaranda	845.06	
32 93 43 00-0766	EA	24"	Box Jacarandra acutifolia - Jacaranda	219.71	
32 93 43 00-0767	EA	5	Gallon Pistacia chinensis - Chinese Pistache	33.80	
32 93 43 00-0768	EA	15	Gallon Pistacia chinensis - Chinese Pistache	112.67	
32 93 43 00-0769	EA	24"	Box Pistacia chinensis - Chinese Pistache	437.55	
32 93 43 00-0770	EA	36"	Box Pistacia chinensis - Chinese Pistache	1,164.30	
32 93 43 00-0771	EA	48"	Box Pistacia chinensis - Chinese Pistache	2,478.83	
32 93 43 00-0772	EA	5	Gallon Pyrus kawakamii - Evergreen Pear, Single	20.43	
32 93 43 00-0773	EA	15	Gallon Pyrus kawakamii - Evergreen Pear, Single	68.10	
32 93 43 00-0774	EA	24"	Box Pyrus kawakamii - Evergreen Pear, Single	255.93	
32 93 43 00-0775	EA	30"	Box Pyrus kawakamii - Evergreen Pear, Single	467.92	
32 93 43 00-0776	EA	36"	Box Pyrus kawakamii - Evergreen Pear, Single	681.01	
32 93 43 00-0777	EA	5	Gallon Pyrus kawakamii - Evergreen Pear, Multi	20.43	
32 93 43 00-0778	EA	15	Gallon Pyrus kawakamii - Evergreen Pear, Multi	72.49	
32 93 43 00-0779	EA	24"	Box Pyrus kawakamii - Evergreen Pear, Multi	263.62	
32 93 43 00-0780	EA	30"	Box Pyrus kawakamii - Evergreen Pear, Multi	467.92	
32 93 43 00-0781	EA	36"	Box Pyrus kawakamii - Evergreen Pear, Multi	681.01	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 93 63 Specialty Plants** (32 93)**32 93 63 00-0001 Specialty Plants In Place** (32 93 63)

Note: Includes plant and placement for ground cover, ornamental annuals, perennials, ornamental shrubs: standard species and varieties and trees: Eucalyptus-20 species/varieties, Melaleuca Lecadendron, Prunus Persica, Olea Eurpoa, Tristania Conferta, Podocarpus Gracilior, Bauhinia Varigata, Ulmus Parvifolia, Platanus Acerifolia, Pinus Canariensis, Pinus Pinea, Pinus Halepensis, Prunus Persica "Helen Borchter", Cinnamomum Camphora, Magnolia Grandiflora, Ficus Nitida, Ficus Retusa, Ficus Benjamina, Ginkgo Biloba, Hymenosporum Flavum, Jacaranda Mimsifolia, Etc.

32 93 63 00-0002	EA	7 Gallon Trees And Ornamental Shrubs .....	152.73
32 93 63 00-0003	EA	10 Gallon Trees And Ornamental Shrubs .....	230.53
32 93 63 00-0004	EA	15 Gallon Trees And Ornamental Shrubs .....	304.53
32 93 63 00-0005	EA	20" Box Container Trees And Ornamental Shrubs.....	380.93
32 93 63 00-0006	EA	24" Box Container Trees And Ornamental Shrubs.....	523.32
32 93 63 00-0007	EA	30" Box Container Trees .....	1,030.92
32 93 63 00-0008	EA	36" Box Container Trees .....	1,609.84
32 93 63 00-0009	EA	48" Box Container Trees .....	3,321.10
32 93 63 00-0010	EA	60" Box Container Trees .....	5,440.00
32 93 63 00-0011	EA	72" Box Container Trees .....	9,049.17
32 93 63 00-0012	EA	1 Gallon Ground Cover, Ornamental Annuals, Perennials.....	29.05
32 93 63 00-0013	EA	2 Gallon Ground Cover, Ornamental Annuals, Perennials.....	56.66
32 93 63 00-0014	EA	3 Gallon Ground Cover, Ornamental Annuals, Perennials.....	65.66
32 93 63 00-0015	EA	5 Gallon Ground Cover, Ornamental Annuals, Perennials.....	90.78
32 93 63 00-0016	EA	"Flat" Size Ground Cover, Ornamental Annuals, Perennials.....	90.78

**32 93 83 Planting of Trees, Shrubs and Ground Cover** (32 93)

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

**32 93 83 00-0001 Planting Trees** (32 93 83)

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting .....	1.17
32 93 83 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting .....	1.89
32 93 83 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting .....	2.36
32 93 83 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting .....	3.77
32 93 83 00-0006	EA	1 Gallon Container Tree Planting .....	18.85
		For >10 To 25, Deduct .....	-0.94
		For >25 To 50, Deduct .....	-2.36
		For >50 To 100, Deduct .....	-3.77
		For >100, Deduct .....	-5.66
32 93 83 00-0007	EA	2 Gallon Container Tree Planting .....	26.39
		For >10 To 25, Deduct .....	-1.32
		For >25 To 50, Deduct .....	-3.30
		For >50 To 100, Deduct .....	-5.28
		For >100, Deduct .....	-7.92
32 93 83 00-0008	EA	3 Gallon Container Tree Planting .....	33.93
		For >10 To 25, Deduct .....	-1.70
		For >25 To 50, Deduct .....	-4.24
		For >50 To 100, Deduct .....	-6.79
		For >100, Deduct .....	-10.18
32 93 83 00-0009	EA	5 Gallon Container Tree Planting .....	56.56
		For >10 To 25, Deduct .....	-2.83
		For >25 To 50, Deduct .....	-7.07
		For >50 To 100, Deduct .....	-11.31
		For >100, Deduct .....	-16.97
32 93 83 00-0010	EA	7 Gallon Container Tree Planting .....	75.40
		For >10 To 25, Deduct .....	-3.77
		For >25 To 50, Deduct .....	-9.43
		For >50 To 100, Deduct .....	-15.08
		For >100, Deduct .....	-22.62
32 93 83 00-0011	EA	10 Gallon Container Tree Planting .....	98.03
		For >10 To 25, Deduct .....	-4.90
		For >25 To 50, Deduct .....	-12.25
		For >50 To 100, Deduct .....	-19.61
		For >100, Deduct .....	-29.41
32 93 83 00-0012	EA	15 Gallon Container Tree Planting .....	139.50
		For >10 To 25, Deduct .....	-6.98
		For >25 To 50, Deduct .....	-17.44
		For >50 To 100, Deduct .....	-27.90
		For >100, Deduct .....	-41.85
32 93 83 00-0013	EA	20 Gallon Container Tree Planting .....	230.00
		For >10 To 25, Deduct .....	-11.50
		For >25 To 50, Deduct .....	-28.75
		For >50 To 100, Deduct .....	-46.00
		For >100, Deduct .....	-69.00
32 93 83 00-0014	EA	25 Gallon Container Tree Planting .....	297.86
		For >10 To 25, Deduct .....	-14.89
		For >25 To 50, Deduct .....	-37.23
		For >50 To 100, Deduct .....	-59.57
		For >100, Deduct .....	-89.36
32 93 83 00-0015	EA	30 Gallon Container Tree Planting .....	358.19
		For >10 To 25, Deduct .....	-17.91
		For >25 To 50, Deduct .....	-44.77
		For >50 To 100, Deduct .....	-71.64
		For >100, Deduct .....	-107.46

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0016	EA		45 Gallon Container Tree Planting.....	444.91	
			For >10 To 25, Deduct	-22.25	
			For >25 To 50, Deduct	-55.61	
			For >50 To 100, Deduct	-88.98	
			For >100, Deduct	-133.47	
32 93 83 00-0017	EA		65 Gallon Container Tree Planting.....	527.86	
			For >10 To 25, Deduct	-26.39	
			For >25 To 50, Deduct	-65.98	
			For >50 To 100, Deduct	-105.57	
			For >100, Deduct	-158.36	
32 93 83 00-0018	EA		6' Balled And Burlapped Tree Planting .....	188.52	
			For >10 To 25, Deduct	-9.43	
			For >25 To 50, Deduct	-23.57	
			For >50 To 100, Deduct	-37.70	
			For >100, Deduct	-56.56	
32 93 83 00-0019	EA		7' Balled And Burlapped Tree Planting .....	251.11	
			For >10 To 25, Deduct	-12.56	
			For >25 To 50, Deduct	-31.39	
			For >50 To 100, Deduct	-50.22	
			For >100, Deduct	-75.33	
32 93 83 00-0020	EA		8' Balled And Burlapped Tree Planting .....	282.78	
			For >10 To 25, Deduct	-14.14	
			For >25 To 50, Deduct	-35.35	
			For >50 To 100, Deduct	-56.56	
			For >100, Deduct	-84.83	
32 93 83 00-0021	EA		10' Balled And Burlapped Tree Planting .....	329.91	
			For >10 To 25, Deduct	-16.50	
			For >25 To 50, Deduct	-41.24	
			For >50 To 100, Deduct	-65.98	
			For >100, Deduct	-98.97	
32 93 83 00-0022	EA		12' Balled And Burlapped Tree Planting .....	441.14	
			For >10 To 25, Deduct	-22.06	
			For >25 To 50, Deduct	-55.14	
			For >50 To 100, Deduct	-88.23	
			For >100, Deduct	-132.34	
32 93 83 00-0023	EA		14' Balled And Burlapped Tree Planting .....	505.24	
			For >10 To 25, Deduct	-25.26	
			For >25 To 50, Deduct	-63.16	
			For >50 To 100, Deduct	-101.05	
			For >100, Deduct	-151.57	
32 93 83 00-0024	EA		16' Balled And Burlapped Tree Planting .....	612.70	
			For >10 To 25, Deduct	-30.64	
			For >25 To 50, Deduct	-76.59	
			For >50 To 100, Deduct	-122.54	
			For >100, Deduct	-183.81	
32 93 83 00-0025	EA		18' Balled And Burlapped Tree Planting .....	735.23	
			For >10 To 25, Deduct	-36.76	
			For >25 To 50, Deduct	-91.90	
			For >50 To 100, Deduct	-147.05	
			For >100, Deduct	-220.57	
32 93 83 00-0026	EA		20' Balled And Burlapped Tree Planting .....	848.35	
			For >10 To 25, Deduct	-42.42	
			For >25 To 50, Deduct	-106.04	
			For >50 To 100, Deduct	-169.67	
			For >100, Deduct	-254.51	
32 93 83 00-0027	EA		1-1/2" Caliper Balled And Burlapped Tree Planting .....	282.78	
			For >10 To 25, Deduct	-14.14	
			For >25 To 50, Deduct	-35.35	
			For >50 To 100, Deduct	-56.56	
			For >100, Deduct	-84.83	
32 93 83 00-0028	EA		2" Caliper Balled And Burlapped Tree Planting .....	329.91	
			For >10 To 25, Deduct	-16.50	
			For >25 To 50, Deduct	-41.24	
			For >50 To 100, Deduct	-65.98	
			For >100, Deduct	-98.97	
32 93 83 00-0029	EA		2-1/2" Caliper Balled And Burlapped Tree Planting .....	443.03	
			For >10 To 25, Deduct	-22.15	
			For >25 To 50, Deduct	-55.38	
			For >50 To 100, Deduct	-88.61	
			For >100, Deduct	-132.91	
32 93 83 00-0030	EA		3" Caliper Balled And Burlapped Tree Planting .....	509.00	
			For >10 To 25, Deduct	-25.45	
			For >25 To 50, Deduct	-63.63	
			For >50 To 100, Deduct	-101.80	
			For >100, Deduct	-152.70	
32 93 83 00-0031	EA		3-1/2" Caliper Balled And Burlapped Tree Planting .....	565.56	
			For >10 To 25, Deduct	-28.28	
			For >25 To 50, Deduct	-70.70	
			For >50 To 100, Deduct	-113.11	
			For >100, Deduct	-169.67	
32 93 83 00-0032	EA		4" Caliper Balled And Burlapped Tree Planting .....	648.51	
			For >10 To 25, Deduct	-32.43	
			For >25 To 50, Deduct	-81.06	
			For >50 To 100, Deduct	-129.70	
			For >100, Deduct	-194.55	
32 93 83 00-0033	EA		24" Box Container Tree Planting.....	98.03	
			For >10 To 25, Deduct	-4.90	
			For >25 To 50, Deduct	-12.25	
			For >50 To 100, Deduct	-19.61	
			For >100, Deduct	-29.41	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0034	EA		36" Box Container Tree Planting .....	297.86	
			<i>For &gt;10 To 25, Deduct</i>	-14.89	
			<i>For &gt;25 To 50, Deduct</i>	-37.23	
			<i>For &gt;50 To 100, Deduct</i>	-59.57	
			<i>For &gt;100, Deduct</i>	-89.36	
32 93 83 00-0035	EA		48" Box Container Tree Planting .....	527.86	
			<i>For &gt;10 To 25, Deduct</i>	-26.39	
			<i>For &gt;25 To 50, Deduct</i>	-65.98	
			<i>For &gt;50 To 100, Deduct</i>	-105.57	
			<i>For &gt;100, Deduct</i>	-158.36	
32 93 83 00-0036	EA		60" Box Container Tree Planting .....	625.89	
			<i>For &gt;10 To 25, Deduct</i>	-31.29	
			<i>For &gt;25 To 50, Deduct</i>	-78.24	
			<i>For &gt;50 To 100, Deduct</i>	-125.18	
			<i>For &gt;100, Deduct</i>	-187.77	
32 93 83 00-0037	EA		72" Box Container Tree Planting .....	754.09	
			<i>For &gt;10 To 25, Deduct</i>	-37.70	
			<i>For &gt;25 To 50, Deduct</i>	-94.26	
			<i>For &gt;50 To 100, Deduct</i>	-150.82	
			<i>For &gt;100, Deduct</i>	-226.23	
<b>32 93 83 00-0038</b>			<b>Planting Shrubs</b> <small>(32 93 83)</small>		
			Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0039	EA		1 Gallon Container Shrub Planting .....	16.03	
			<i>For &gt;10 To 25, Deduct</i>	-0.80	
			<i>For &gt;25 To 50, Deduct</i>	-2.00	
			<i>For &gt;50 To 100, Deduct</i>	-3.21	
			<i>For &gt;100, Deduct</i>	-4.81	
32 93 83 00-0040	EA		2 Gallon Container Shrub Planting .....	22.62	
			<i>For &gt;10 To 25, Deduct</i>	-1.13	
			<i>For &gt;25 To 50, Deduct</i>	-2.83	
			<i>For &gt;50 To 100, Deduct</i>	-4.52	
			<i>For &gt;100, Deduct</i>	-6.79	
32 93 83 00-0041	EA		3 Gallon Container Shrub Planting .....	28.28	
			<i>For &gt;10 To 25, Deduct</i>	-1.41	
			<i>For &gt;25 To 50, Deduct</i>	-3.54	
			<i>For &gt;50 To 100, Deduct</i>	-5.66	
			<i>For &gt;100, Deduct</i>	-8.48	
32 93 83 00-0042	EA		4 Gallon Container Shrub Planting .....	37.71	
			<i>For &gt;10 To 25, Deduct</i>	-1.89	
			<i>For &gt;25 To 50, Deduct</i>	-4.71	
			<i>For &gt;50 To 100, Deduct</i>	-7.54	
			<i>For &gt;100, Deduct</i>	-11.31	
32 93 83 00-0043	EA		5 Gallon Container Shrub Planting .....	47.13	
			<i>For &gt;10 To 25, Deduct</i>	-2.36	
			<i>For &gt;25 To 50, Deduct</i>	-5.89	
			<i>For &gt;50 To 100, Deduct</i>	-9.43	
			<i>For &gt;100, Deduct</i>	-14.14	
32 93 83 00-0044	EA		7 Gallon Container Shrub Planting .....	64.10	
			<i>For &gt;10 To 25, Deduct</i>	-3.21	
			<i>For &gt;25 To 50, Deduct</i>	-8.01	
			<i>For &gt;50 To 100, Deduct</i>	-12.82	
			<i>For &gt;100, Deduct</i>	-19.23	
32 93 83 00-0045	EA		10 Gallon Container Shrub Planting .....	84.83	
			<i>For &gt;10 To 25, Deduct</i>	-4.24	
			<i>For &gt;25 To 50, Deduct</i>	-10.60	
			<i>For &gt;50 To 100, Deduct</i>	-16.97	
			<i>For &gt;100, Deduct</i>	-25.45	
32 93 83 00-0046	EA		15 Gallon Container Shrub Planting .....	116.89	
			<i>For &gt;10 To 25, Deduct</i>	-5.84	
			<i>For &gt;25 To 50, Deduct</i>	-14.61	
			<i>For &gt;50 To 100, Deduct</i>	-23.38	
			<i>For &gt;100, Deduct</i>	-35.07	
32 93 83 00-0047	EA		20 Gallon Container Shrub Planting .....	196.06	
			<i>For &gt;10 To 25, Deduct</i>	-9.80	
			<i>For &gt;25 To 50, Deduct</i>	-24.51	
			<i>For &gt;50 To 100, Deduct</i>	-39.21	
			<i>For &gt;100, Deduct</i>	-58.82	
32 93 83 00-0048	EA		25 Gallon Container Shrub Planting .....	251.11	
			<i>For &gt;10 To 25, Deduct</i>	-12.56	
			<i>For &gt;25 To 50, Deduct</i>	-31.39	
			<i>For &gt;50 To 100, Deduct</i>	-50.22	
			<i>For &gt;100, Deduct</i>	-75.33	
32 93 83 00-0049	EA		15" Balled And Burlapped Shrub Planting .....	52.79	
			<i>For &gt;10 To 25, Deduct</i>	-2.64	
			<i>For &gt;25 To 50, Deduct</i>	-6.60	
			<i>For &gt;50 To 100, Deduct</i>	-10.56	
			<i>For &gt;100, Deduct</i>	-15.84	
32 93 83 00-0050	EA		18" Balled And Burlapped Shrub Planting .....	54.67	
			<i>For &gt;10 To 25, Deduct</i>	-2.73	
			<i>For &gt;25 To 50, Deduct</i>	-6.83	
			<i>For &gt;50 To 100, Deduct</i>	-10.93	
			<i>For &gt;100, Deduct</i>	-16.40	
32 93 83 00-0051	EA		24" Balled And Burlapped Shrub Planting .....	60.33	
			<i>For &gt;10 To 25, Deduct</i>	-3.02	
			<i>For &gt;25 To 50, Deduct</i>	-7.54	
			<i>For &gt;50 To 100, Deduct</i>	-12.07	
			<i>For &gt;100, Deduct</i>	-18.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0052	EA		30" Balled And Burlapped Shrub Planting.....	60.33	
			<i>For &gt;10 To 25, Deduct</i>	-3.02	
			<i>For &gt;25 To 50, Deduct</i>	-7.54	
			<i>For &gt;50 To 100, Deduct</i>	-12.07	
			<i>For &gt;100, Deduct</i>	-18.10	
32 93 83 00-0053	EA		36" Balled And Burlapped Shrub Planting.....	65.99	
			<i>For &gt;10 To 25, Deduct</i>	-3.30	
			<i>For &gt;25 To 50, Deduct</i>	-8.25	
			<i>For &gt;50 To 100, Deduct</i>	-13.20	
			<i>For &gt;100, Deduct</i>	-19.80	
32 93 83 00-0054	EA		42" Balled And Burlapped Shrub Planting.....	69.75	
			<i>For &gt;10 To 25, Deduct</i>	-3.49	
			<i>For &gt;25 To 50, Deduct</i>	-8.72	
			<i>For &gt;50 To 100, Deduct</i>	-13.95	
			<i>For &gt;100, Deduct</i>	-20.93	
32 93 83 00-0055	EA		48" Balled And Burlapped Shrub Planting.....	75.40	
			<i>For &gt;10 To 25, Deduct</i>	-3.77	
			<i>For &gt;25 To 50, Deduct</i>	-9.43	
			<i>For &gt;50 To 100, Deduct</i>	-15.08	
			<i>For &gt;100, Deduct</i>	-22.62	
32 93 83 00-0056	EA		5' Balled And Burlapped Shrub Planting .....	113.11	
			<i>For &gt;10 To 25, Deduct</i>	-5.66	
			<i>For &gt;25 To 50, Deduct</i>	-14.14	
			<i>For &gt;50 To 100, Deduct</i>	-22.62	
			<i>For &gt;100, Deduct</i>	-33.93	
32 93 83 00-0057	EA		6' Balled And Burlapped Shrub Planting .....	160.24	
			<i>For &gt;10 To 25, Deduct</i>	-8.01	
			<i>For &gt;25 To 50, Deduct</i>	-20.03	
			<i>For &gt;50 To 100, Deduct</i>	-32.05	
			<i>For &gt;100, Deduct</i>	-48.07	
32 93 83 00-0058	EA		7' Balled And Burlapped Shrub Planting .....	213.03	
			<i>For &gt;10 To 25, Deduct</i>	-10.65	
			<i>For &gt;25 To 50, Deduct</i>	-26.63	
			<i>For &gt;50 To 100, Deduct</i>	-42.61	
			<i>For &gt;100, Deduct</i>	-63.91	
32 93 83 00-0059	EA		8' Balled And Burlapped Shrub Planting .....	241.31	
			<i>For &gt;10 To 25, Deduct</i>	-12.07	
			<i>For &gt;25 To 50, Deduct</i>	-30.16	
			<i>For &gt;50 To 100, Deduct</i>	-48.26	
			<i>For &gt;100, Deduct</i>	-72.39	
32 93 83 00-0060	EA		9' Balled And Burlapped Shrub Planting .....	260.16	
			<i>For &gt;10 To 25, Deduct</i>	-13.01	
			<i>For &gt;25 To 50, Deduct</i>	-32.52	
			<i>For &gt;50 To 100, Deduct</i>	-52.03	
			<i>For &gt;100, Deduct</i>	-78.05	
32 93 83 00-0061	EA		10' Balled And Burlapped Shrub Planting .....	282.78	
			<i>For &gt;10 To 25, Deduct</i>	-14.14	
			<i>For &gt;25 To 50, Deduct</i>	-35.35	
			<i>For &gt;50 To 100, Deduct</i>	-56.56	
			<i>For &gt;100, Deduct</i>	-84.83	
32 93 83 00-0062			Planting Groundcover, Vines, Perennials, Annuals And Bulbs <small>(32 93 83)</small>		
			See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0063	EA		2-1/4" Diameter Potted Groundcover And Flower Planting .....	1.57	
			<i>For &gt;10 To 25, Deduct</i>	-0.08	
			<i>For &gt;25 To 50, Deduct</i>	-0.20	
			<i>For &gt;50 To 100, Deduct</i>	-0.31	
			<i>For &gt;100, Deduct</i>	-0.47	
32 93 83 00-0064	EA		3" Diameter Potted Groundcover And Flower Planting .....	1.80	
			<i>For &gt;10 To 25, Deduct</i>	-0.09	
			<i>For &gt;25 To 50, Deduct</i>	-0.23	
			<i>For &gt;50 To 100, Deduct</i>	-0.36	
			<i>For &gt;100, Deduct</i>	-0.54	
32 93 83 00-0065	EA		4" Diameter Potted Groundcover And Flower Planting .....	2.10	
			<i>For &gt;10 To 25, Deduct</i>	-0.11	
			<i>For &gt;25 To 50, Deduct</i>	-0.26	
			<i>For &gt;50 To 100, Deduct</i>	-0.42	
			<i>For &gt;100, Deduct</i>	-0.63	
32 93 83 00-0066	EA		5-1/2" Diameter Potted Groundcover And Flower Planting .....	2.51	
			<i>For &gt;10 To 25, Deduct</i>	-0.13	
			<i>For &gt;25 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.50	
			<i>For &gt;100, Deduct</i>	-0.75	
32 93 83 00-0067	EA		6" Diameter Potted Groundcover And Flower Planting .....	3.14	
			<i>For &gt;10 To 25, Deduct</i>	-0.16	
			<i>For &gt;25 To 50, Deduct</i>	-0.39	
			<i>For &gt;50 To 100, Deduct</i>	-0.63	
			<i>For &gt;100, Deduct</i>	-0.94	
32 93 83 00-0068	EA		8" Diameter Potted Groundcover And Flower Planting .....	4.71	
			<i>For &gt;10 To 25, Deduct</i>	-0.24	
			<i>For &gt;25 To 50, Deduct</i>	-0.59	
			<i>For &gt;50 To 100, Deduct</i>	-0.94	
			<i>For &gt;100, Deduct</i>	-1.41	
32 93 83 00-0069	EA		1 Gallon Container Groundcover And Flower Planting .....	15.08	
			<i>For &gt;10 To 25, Deduct</i>	-0.75	
			<i>For &gt;25 To 50, Deduct</i>	-1.89	
			<i>For &gt;50 To 100, Deduct</i>	-3.02	
			<i>For &gt;100, Deduct</i>	-4.52	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 83 00-0070	EA	2 Gallon Container Groundcover And Flower Planting.....	20.74	
		<i>For &gt;10 To 25, Deduct</i>	-1.04	
		<i>For &gt;25 To 50, Deduct</i>	-2.59	
		<i>For &gt;50 To 100, Deduct</i>	-4.15	
		<i>For &gt;100, Deduct</i>	-6.22	
32 93 83 00-0071	EA	3 Gallon Container Groundcover And Flower Planting.....	26.39	
		<i>For &gt;10 To 25, Deduct</i>	-1.32	
		<i>For &gt;25 To 50, Deduct</i>	-3.30	
		<i>For &gt;50 To 100, Deduct</i>	-5.28	
		<i>For &gt;100, Deduct</i>	-7.92	
32 93 83 00-0072	EA	4 Gallon Container Groundcover And Flower Planting.....	33.93	
		<i>For &gt;10 To 25, Deduct</i>	-1.70	
		<i>For &gt;25 To 50, Deduct</i>	-4.24	
		<i>For &gt;50 To 100, Deduct</i>	-6.79	
		<i>For &gt;100, Deduct</i>	-10.18	
32 93 83 00-0073	EA	5 Gallon Container Groundcover And Flower Planting.....	41.47	
		<i>For &gt;10 To 25, Deduct</i>	-2.07	
		<i>For &gt;25 To 50, Deduct</i>	-5.18	
		<i>For &gt;50 To 100, Deduct</i>	-8.29	
		<i>For &gt;100, Deduct</i>	-12.44	
32 93 83 00-0074	EA	7 Gallon Container Groundcover And Flower Planting.....	56.56	
		<i>For &gt;10 To 25, Deduct</i>	-2.83	
		<i>For &gt;25 To 50, Deduct</i>	-7.07	
		<i>For &gt;50 To 100, Deduct</i>	-11.31	
		<i>For &gt;100, Deduct</i>	-16.97	
32 93 83 00-0075	EA	Bulb Planting.....	0.94	
		<i>For &gt;10 To 25, Deduct</i>	-0.05	
		<i>For &gt;25 To 50, Deduct</i>	-0.12	
		<i>For &gt;50 To 100, Deduct</i>	-0.19	
		<i>For &gt;100, Deduct</i>	-0.28	
32 93 83 00-0076	EA	Flats Of 24 Groundcover And Flower Planting.....	26.39	
		<i>For &gt;10 To 25, Deduct</i>	-1.32	
		<i>For &gt;25, Deduct</i>	-3.30	
32 93 83 00-0077	EA	Flats Of 36 Groundcover And Flower Planting.....	37.44	
		<i>For &gt;10 To 25, Deduct</i>	-1.87	
		<i>For &gt;25, Deduct</i>	-4.68	
32 93 83 00-0078	EA	Flats Of 48 Groundcover And Flower Planting.....	49.84	
		<i>For &gt;10 To 25, Deduct</i>	-2.49	
		<i>For &gt;25, Deduct</i>	-6.23	

**32 93 83 00-0079****Tree Pits** (32 93 83)

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.

32 93 83 00-0080	EA	2' x 1-1/4' Deep Tree Pit.....	123.25	
32 93 83 00-0081	EA	2' x 2-1/2' Deep Tree Pit.....	184.83	
32 93 83 00-0082	EA	2-1/2' x 1-1/2' Deep Tree Pit.....	237.15	
32 93 83 00-0083	EA	2-1/2' x 3' Deep Tree Pit.....	355.67	
32 93 83 00-0084	EA	3' x 1-3/4' Deep Tree Pit.....	369.00	
32 93 83 00-0085	EA	3' x 3-1/2' Deep Tree Pit.....	551.02	
32 93 83 00-0086	EA	3-1/2' x 1-3/4' Deep Tree Pit.....	453.92	
32 93 83 00-0087	EA	3-1/2' x 3-1/2' Deep Tree Pit.....	680.07	
32 93 83 00-0088	EA	4' x 2' Deep Tree Pit.....	543.27	
32 93 83 00-0089	EA	4' x 4' Deep Tree Pit.....	814.52	
32 93 83 00-0090	EA	4-1/2' x 2' Deep Tree Pit.....	785.09	
32 93 83 00-0091	EA	4-1/2' x 4' Deep Tree Pit.....	1,179.63	
32 93 83 00-0092	EA	5' x 2-1/4' Deep Tree Pit.....	1,044.20	
32 93 83 00-0093	EA	5' x 4-1/2' Deep Tree Pit.....	1,556.92	
32 93 83 00-0094	EA	6' x 2-1/2' Deep Tree Pit.....	1,480.74	
32 93 83 00-0095	EA	6' x 5' Deep Tree Pit.....	2,218.31	
32 93 83 00-0096	EA	7' x 3' Deep Tree Pit.....	2,496.36	
32 93 83 00-0097	EA	7' x 6' Deep Tree Pit.....	3,761.63	
32 93 83 00-0098	EA	8' x 3-1/4' Deep Tree Pit.....	3,439.65	
32 93 83 00-0099	EA	8' x 6-1/2' Deep Tree Pit.....	5,157.62	

**32 94 Planting Accessories** (32 90)**32 94 13 Landscape Edging** (32 94)

Note: Including stakes.

**32 94 13 00-0001 Landscape Edging** (32 94 13)

Note: Includes stakes.

32 94 13 00-0002	LF	6" Poly/Vinyl Landscape Edging With Non-Round Top.....	4.43	0.97
		<i>For &gt;2,000 To 5,000 LF, Deduct</i>	-0.25	
		<i>For &gt;5,000 LF, Deduct</i>	-0.50	
32 94 13 00-0003	LF	5" Polyethylene Landscape Edging With Round Top.....	2.72	0.97
		<i>For &gt;2,000 To 5,000 LF, Deduct</i>	-0.08	
		<i>For &gt;5,000 LF, Deduct</i>	-0.16	
32 94 13 00-0004	LF	5-1/2" Polyethylene Landscape Edging With Round Top.....	2.76	0.97
		<i>For &gt;2,000 To 5,000 LF, Deduct</i>	-0.08	
		<i>For &gt;5,000 LF, Deduct</i>	-0.16	
32 94 13 00-0005	LF	5" Polyethylene Landscape Edging With Corrugated Sides And Round Top.....	2.79	0.97
		<i>For &gt;2,000 To 5,000 LF, Deduct</i>	-0.09	
		<i>For &gt;5,000 LF, Deduct</i>	-0.17	
32 94 13 00-0006	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging.....	7.83	2.33
		<i>For &gt;1,000 LF, Deduct</i>	-0.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 13 00-0007	LF		1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging..... <i>For &gt;1,000 LF, Deduct</i>	8.49 -0.96	2.33
32 94 13 00-0008	LF		1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging..... <i>For &gt;1,000 LF, Deduct</i>	8.53 -0.97	2.33
32 94 13 00-0009	LF		3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging..... <i>For &gt;1,000 LF, Deduct</i>	9.70 -1.23	2.41
32 94 13 00-0010	LF		3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging..... <i>For &gt;1,000 LF, Deduct</i>	10.51 -1.43	2.41
32 94 13 00-0011	LF		3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging..... <i>For &gt;1,000 LF, Deduct</i>	10.49 -1.43	2.41
32 94 13 00-0012	LF		1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging..... <i>For &gt;1,000 LF, Deduct</i>	8.75 -0.96	2.48
32 94 13 00-0013	LF		1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging..... <i>For &gt;1,000 LF, Deduct</i>	9.65 -1.19	2.48
32 94 13 00-0014	LF		1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging..... <i>For &gt;1,000 LF, Deduct</i>	9.74 -1.21	2.48
32 94 13 00-0015	LF		3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging..... <i>For &gt;1,000 LF, Deduct</i>	10.88 -1.46	2.56
32 94 13 00-0016	LF		3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging..... <i>For &gt;1,000 LF, Deduct</i>	11.78 -1.69	2.56
32 94 13 00-0017	LF		3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging..... <i>For &gt;1,000 LF, Deduct</i>	11.85 -1.70	2.56
32 94 13 00-0018	LF		1/8" x 4" Powder Coated Steel Landscape Edging..... <i>For &gt;1,000 LF, Deduct</i>	8.31 -0.87	2.41
32 94 13 00-0019	LF		3/16" x 4" Powder Coated Steel Landscape Edging..... <i>For &gt;1,000 LF, Deduct</i>	9.64 -1.21	2.41
32 94 13 00-0020	LF		1/4" x 5" Powder Coated Steel Landscape Edging..... <i>For &gt;1,000 LF, Deduct</i>	13.20 -2.10	2.41
32 94 13 00-0021	LF		1/2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)..... <i>For &gt;1,000 LF, Deduct</i>	6.39 -0.44	2.33
32 94 13 00-0022	LF		1" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)..... <i>For &gt;1,000 LF, Deduct</i>	7.19 -0.64	2.33
32 94 13 00-0023	LF		1" x 6", Recycled Plastic Landscape Edging (Bend-A-Board)..... <i>For &gt;1,000 LF, Deduct</i>	7.88 -0.81	2.33
32 94 13 00-0024	LF		2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)..... <i>For &gt;1,000 LF, Deduct</i>	8.03 -0.85	2.33

**32 94 16 Landscape Timbers (32 94)**

32 94 16 00-0001	LF		1" x 4" Redwood Edging.....	4.74	1.57
32 94 16 00-0002	LF		2" x 4" Redwood Edging.....	6.49	2.35
32 94 16 00-0003	LF		4" x 6" Pressure Treated Hardwood.....	10.37	3.13
32 94 16 00-0004	LF		6" x 6" Pressure Treated Hardwood.....	13.68	3.91
32 94 16 00-0005	LF		6" x 8" Pressure Treated Hardwood.....	15.90	4.59
32 94 16 00-0006	LF		1" x 4" Pressure Treated Pine.....	3.82	1.57
32 94 16 00-0007	LF		2" x 4" Pressure Treated Pine.....	5.83	2.35
32 94 16 00-0008	LF		4" x 6" Pressure Treated Pine.....	9.84	3.03
32 94 16 00-0009	LF		6" x 6" Pressure Treated Pine.....	13.55	3.91
32 94 16 00-0010	LF		6" x 8" Pressure Treated Pine.....	16.72	4.59
32 94 16 00-0011	LF		6" x 8" Railroad Ties.....	13.55	4.37
32 94 16 00-0012	LF		7" x 9" Railroad Ties.....	16.30	5.49

**32 94 23 Plant Protection (32 94)**

32 94 23 00-0001	SF		Tree Trunk Protection - Hardware Cloth 1/4" Mesh, 23 Gauge.....	2.06	
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**32 94 43 Tree Grates (32 94)**

**32 94 43 00-0001 Tree Grates With Frames (32 94 43)**

**32 94 43 00-0002 Round Cast Iron Tree Grates With Frames (32 94 43 00-0001)**

32 94 43 00-0003	EA		32" Diameter, 100 To 150 LB Cast Iron Tree Grate With Frame..... <i>For &gt;3 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	754.83 -48.03 -99.27	57.19
32 94 43 00-0004	EA		36" Diameter, 125 To 175 LB Cast Iron Tree Grate With Frame..... <i>For &gt;3 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	871.26 -56.77 -117.32	57.19
32 94 43 00-0005	EA		42" Diameter, 150 To 200 LB Cast Iron Tree Grate With Frame..... <i>For &gt;3 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,054.93 -67.68 -139.88	76.25
32 94 43 00-0006	EA		48" Diameter, 200 To 250 LB Cast Iron Tree Grate With Frame..... <i>For &gt;3 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,308.37 -86.69 -179.16	76.25
32 94 43 00-0007	EA		54" Diameter, 300 To 350 LB Cast Iron Tree Grate With Frame..... <i>For &gt;3 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,676.99 -111.48 -230.39	95.32
32 94 43 00-0008	EA		60" Diameter, Up To 350 LB Cast Iron Tree Grate With Frame..... <i>For &gt;3 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,763.05 -115.07 -237.82	114.37
32 94 43 00-0009	EA		60" Diameter, >350 LB Cast Iron Tree Grate With Frame..... <i>For &gt;3 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,939.43 -128.30 -265.16	114.37
32 94 43 00-0010	EA		72" Diameter, Up To 550 LB Cast Iron Tree Grate With Frame..... <i>For &gt;3 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,584.43 -169.53 -350.36	162.04

**32 Exterior Improvements****32 90 Planting****32 94 Planting Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0011	EA		72" Diameter, >500 To 550 LB Cast Iron Tree Grate With Frame.....	2,687.17	162.04
			<i>For &gt;3 To 9, Deduct</i>	-177.23	
			<i>For &gt;9, Deduct</i>	-366.28	
32 94 43 00-0012	EA		72" Diameter, >600 To 650 LB Cast Iron Tree Grate With Frame.....	2,772.79	162.04
			<i>For &gt;3 To 9, Deduct</i>	-183.65	
			<i>For &gt;9, Deduct</i>	-379.55	
32 94 43 00-0013	EA		72" Diameter, >650 To 700 LB Cast Iron Tree Grate With Frame.....	2,841.29	162.04
			<i>For &gt;3 To 9, Deduct</i>	-188.79	
			<i>For &gt;9, Deduct</i>	-390.17	
32 94 43 00-0014	EA		72" Diameter, >700 LB Cast Iron Tree Grate With Frame.....	2,892.66	162.04
			<i>For &gt;3 To 9, Deduct</i>	-192.65	
			<i>For &gt;9, Deduct</i>	-398.13	
32 94 43 00-0015	EA		93" Diameter, 950 To 1,000 LB Cast Iron Tree Grate With Frame.....	3,175.89	190.63
			<i>For &gt;3 To 9, Deduct</i>	-209.60	
			<i>For &gt;9, Deduct</i>	-433.17	
<b>32 94 43 00-0016</b>			<b>Square Cast Iron Tree Grates With Frames (32 94 43 00-0001)</b>		
32 94 43 00-0017	EA		30" x 30", 75 To 125 LB Cast Iron Tree Grate With Frame .....	696.60	57.19
			<i>For &gt;3 To 9, Deduct</i>	-43.67	
			<i>For &gt;9, Deduct</i>	-90.24	
32 94 43 00-0018	EA		36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame .....	842.15	57.19
			<i>For &gt;3 To 9, Deduct</i>	-54.58	
			<i>For &gt;9, Deduct</i>	-112.80	
32 94 43 00-0019	EA		48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame.....	1,252.32	95.32
			<i>For &gt;3 To 9, Deduct</i>	-79.63	
			<i>For &gt;9, Deduct</i>	-164.56	
32 94 43 00-0020	EA		48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame .....	1,474.93	95.32
			<i>For &gt;3 To 9, Deduct</i>	-96.32	
			<i>For &gt;9, Deduct</i>	-199.07	
32 94 43 00-0021	EA		48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame .....	1,680.42	95.32
			<i>For &gt;3 To 9, Deduct</i>	-111.73	
			<i>For &gt;9, Deduct</i>	-230.92	
32 94 43 00-0022	EA		48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame .....	1,868.78	95.32
			<i>For &gt;3 To 9, Deduct</i>	-125.86	
			<i>For &gt;9, Deduct</i>	-260.11	
32 94 43 00-0023	EA		48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame .....	2,040.02	95.32
			<i>For &gt;3 To 9, Deduct</i>	-138.70	
			<i>For &gt;9, Deduct</i>	-286.66	
32 94 43 00-0024	EA		48" x 48", >400 LB Cast Iron Tree Grate With Frame .....	2,194.14	95.32
			<i>For &gt;3 To 9, Deduct</i>	-150.26	
			<i>For &gt;9, Deduct</i>	-310.54	
32 94 43 00-0025	EA		60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame.....	2,116.27	133.44
			<i>For &gt;3 To 9, Deduct</i>	-138.70	
			<i>For &gt;9, Deduct</i>	-286.66	
32 94 43 00-0026	EA		60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame .....	2,270.39	133.44
			<i>For &gt;3 To 9, Deduct</i>	-150.26	
			<i>For &gt;9, Deduct</i>	-310.54	
32 94 43 00-0027	EA		60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame .....	2,407.38	133.44
			<i>For &gt;3 To 9, Deduct</i>	-160.54	
			<i>For &gt;9, Deduct</i>	-331.78	
32 94 43 00-0028	EA		60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame .....	2,527.25	133.44
			<i>For &gt;3 To 9, Deduct</i>	-169.53	
			<i>For &gt;9, Deduct</i>	-350.36	
32 94 43 00-0029	EA		60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame .....	2,629.99	133.44
			<i>For &gt;3 To 9, Deduct</i>	-177.23	
			<i>For &gt;9, Deduct</i>	-366.28	
32 94 43 00-0030	EA		60" x 60", >600 LB Cast Iron Tree Grate With Frame .....	2,715.61	133.44
			<i>For &gt;3 To 9, Deduct</i>	-183.65	
			<i>For &gt;9, Deduct</i>	-379.55	
32 94 43 00-0031	EA		72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame.....	2,584.43	162.04
			<i>For &gt;3 To 9, Deduct</i>	-169.53	
			<i>For &gt;9, Deduct</i>	-350.36	
32 94 43 00-0032	EA		72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame .....	2,687.17	162.04
			<i>For &gt;3 To 9, Deduct</i>	-177.23	
			<i>For &gt;9, Deduct</i>	-366.28	
32 94 43 00-0033	EA		72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame .....	2,772.79	162.04
			<i>For &gt;3 To 9, Deduct</i>	-183.65	
			<i>For &gt;9, Deduct</i>	-379.55	
32 94 43 00-0034	EA		72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame .....	2,841.29	162.04
			<i>For &gt;3 To 9, Deduct</i>	-188.79	
			<i>For &gt;9, Deduct</i>	-390.17	
32 94 43 00-0035	EA		72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame .....	2,892.66	162.04
			<i>For &gt;3 To 9, Deduct</i>	-192.65	
			<i>For &gt;9, Deduct</i>	-398.13	
32 94 43 00-0036	EA		72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame .....	2,926.91	162.04
			<i>For &gt;3 To 9, Deduct</i>	-195.21	
			<i>For &gt;9, Deduct</i>	-403.44	
32 94 43 00-0037	EA		72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame .....	2,944.03	162.04
			<i>For &gt;3 To 9, Deduct</i>	-196.50	
			<i>For &gt;9, Deduct</i>	-406.10	
32 94 43 00-0038	EA		72" x 72", >850 LB Cast Iron Tree Grate With Frame .....	2,961.16	162.04
			<i>For &gt;3 To 9, Deduct</i>	-197.78	
			<i>For &gt;9, Deduct</i>	-408.75	

**32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames (32 94 43 00-0001)**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 94 43 00-0040	EA		36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame .....	1,308.37	76.25
			For >3 To 9, Deduct	-86.69	
			For >9, Deduct	-179.16	
32 94 43 00-0041	EA		36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame .....	1,334.06	76.25
			For >3 To 9, Deduct	-88.62	
			For >9, Deduct	-183.14	
32 94 43 00-0042	EA		36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame .....	1,630.76	95.32
			For >3 To 9, Deduct	-108.01	
			For >9, Deduct	-223.22	
32 94 43 00-0043	EA		48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame .....	1,916.73	95.32
			For >3 To 9, Deduct	-129.46	
			For >9, Deduct	-267.55	
32 94 43 00-0044	EA		48" x 72", >350 LB Cast Iron Tree Grate With Frame .....	2,040.02	95.32
			For >3 To 9, Deduct	-138.70	
			For >9, Deduct	-286.66	
32 94 43 00-0045	EA		60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame .....	2,738.54	162.04
			For >3 To 9, Deduct	-181.09	
			For >9, Deduct	-374.24	

**32 94 49 Plant and Tree Accessories (32 94)**

**32 94 49 00-0001 Tree Guying (32 94 49)**

**32 94 49 00-0002 Tree Guying, Stakes (32 94 49 00-0001)**

Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.

32 94 49 00-0003	EA		Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap .....	28.52	
32 94 49 00-0004	EA		Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap .....	45.22	
32 94 49 00-0005	EA		Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap .....	78.02	

**32 94 49 00-0006 Tree Guying, Anchors (32 94 49 00-0001)**

Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.

32 94 49 00-0007	EA		Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope .....	129.06	
32 94 49 00-0008	EA		Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope .....	175.19	
32 94 49 00-0009	EA		Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope .....	229.16	
32 94 49 00-0010	EA		Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope .....	288.82	

**32 94 49 00-0011 Tree Wrap (32 94 49)**

32 94 49 00-0012	EA		Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree .....	5.66	
32 94 49 00-0013	EA		Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree .....	9.36	
32 94 49 00-0014	EA		Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree .....	18.48	
32 94 49 00-0015	EA		Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree .....	28.40	

**32 94 49 00-0016 Tree Guards (32 94 49)**

32 94 49 00-0017	EA		3' Preformed Plastic Tree Guard .....	9.45	
32 94 49 00-0018	EA		2' Preformed Plastic Tree Guard .....	8.68	

**32 94 49 00-0019 Stake Out Tree And Shrub Locations (32 94 49)**

Note: When no design available.

32 94 49 00-0020	EA		Stake Out Trees Or Shrubs .....	5.75	
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**32 94 49 00-0021 Root Barriers (32 94 49)**

32 94 49 00-0022	EA		12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner .....	9.32	
32 94 49 00-0023	EA		18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner .....	13.05	
32 94 49 00-0024	EA		24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner .....	15.38	
32 94 49 00-0025	EA		36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner .....	28.51	
32 94 49 00-0026	EA		48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner .....	39.27	

**32 96 Transplanting (32 90)**

See CSI section 32 94 49 00-0001 for guying.

**32 96 33 Shrub Transplanting (32 96)**

Note: Includes digging up, moving on site, digging new hole and replanting.

**32 96 33 00-0001 Moving Shrubs On Site, Relocate (32 96 33)**

Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.

32 96 33 00-0002	EA		Up To 18" Root Ball, Move Shrubs On Site .....	64.47	
			For >25 To 50, Deduct	-6.45	
			For >50, Deduct	-9.67	
32 96 33 00-0003	EA		>18" To 24" Root Ball, Move Shrubs On Site .....	87.22	
			For >25 To 50, Deduct	-8.72	
			For >50, Deduct	-13.08	
32 96 33 00-0004	EA		>24" To 30" Root Ball, Move Shrubs On Site .....	147.89	
			For >25 To 50, Deduct	-14.79	
			For >50, Deduct	-22.18	
32 96 33 00-0005	EA		>30" To 36" Root Ball, Move Shrubs On Site .....	227.52	
			For >25 To 50, Deduct	-22.75	
			For >50, Deduct	-34.13	

**32 Exterior Improvements****32 90 Planting****32 96 Transplanting**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 96 43 Tree Transplanting** (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

**32 96 43 00-0001 Moving Trees On Site, Relocate** (32 96 43)

Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0860 for crane lifting equipment, 32 94 49 00-0001 for guying.

32 96 43 00-0002	EA	Up To 24" Root Ball, Move Trees On Site.....	251.31
		<i>For &gt;5 To 10, Deduct</i>	-12.57
		<i>For &gt;10 To 20, Deduct</i>	-25.13
		<i>For &gt;20, Deduct</i>	-37.70
32 96 43 00-0003	EA	>24" To 30" Root Ball, Move Trees On Site.....	344.66
		<i>For &gt;5 To 10, Deduct</i>	-17.23
		<i>For &gt;10 To 20, Deduct</i>	-34.47
		<i>For &gt;20, Deduct</i>	-51.70
32 96 43 00-0004	EA	>30" To 36" Root Ball, Move Trees On Site.....	558.48
		<i>For &gt;5 To 10, Deduct</i>	-27.92
		<i>For &gt;10 To 20, Deduct</i>	-55.85
		<i>For &gt;20, Deduct</i>	-83.77
32 96 43 00-0005	EA	>36" To 48" Root Ball, Move Trees On Site.....	927.94
		<i>For &gt;5 To 10, Deduct</i>	-46.40
		<i>For &gt;10 To 20, Deduct</i>	-92.79
		<i>For &gt;20, Deduct</i>	-139.19
32 96 43 00-0006	EA	>48" To 60" Root Ball, Move Trees On Site.....	1,507.89
		<i>For &gt;5 To 10, Deduct</i>	-75.39
		<i>For &gt;10 To 20, Deduct</i>	-150.79
		<i>For &gt;20, Deduct</i>	-226.18
32 96 43 00-0007	EA	>60" To 72" Root Ball, Move Trees On Site.....	1,945.67
		<i>For &gt;5 To 10, Deduct</i>	-97.28
		<i>For &gt;10 To 20, Deduct</i>	-194.57
		<i>For &gt;20, Deduct</i>	-291.85
32 96 43 00-0008	EA	>72" To 84" Root Ball, Move Trees On Site.....	2,513.16
		<i>For &gt;5 To 10, Deduct</i>	-125.66
		<i>For &gt;10 To 20, Deduct</i>	-251.32
		<i>For &gt;20, Deduct</i>	-376.97
32 96 43 00-0009	EA	>84" To 96" Root Ball, Move Trees On Site.....	3,015.79
		<i>For &gt;5 To 10, Deduct</i>	-150.79
		<i>For &gt;10 To 20, Deduct</i>	-301.58
		<i>For &gt;20, Deduct</i>	-452.37
32 96 43 00-0010	EA	>96" To 120" Root Ball, Move Trees On Site.....	3,427.03
		<i>For &gt;5 To 10, Deduct</i>	-171.35
		<i>For &gt;10 To 20, Deduct</i>	-342.70
		<i>For &gt;20, Deduct</i>	-514.05

END OF SECTION 32

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 Utilities

33 01 Operation and Maintenance of Utilities (33)

33 01 10 Operation and Maintenance of Water Utilities (33 01)

33 01 10 54 **Cleaning of Water Utility Piping** (33 01 10)

See CSI section 33 01 30 41-0006 for cleaning of water lines.

33 01 10 58 **Disinfection of Water Utility Piping Systems** (33 01 10)

33 01 10 58-0001 **Water Main Disinfection/Sterilization** (33 01 10 58)

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method.....	875.24
33 01 10 58-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method .....	437.62
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization .....	0.33
		For >250 To 500, Deduct	-0.02
		For >500 To 1,000, Deduct	-0.03
		For >1,000 To 2,000, Deduct	-0.05
		For >2,000 To 5,000, Deduct	-0.07
		For >5,000, Deduct	-0.08
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization .....	0.51
		For >250 To 500, Deduct	-0.03
		For >500 To 1,000, Deduct	-0.05
		For >1,000 To 2,000, Deduct	-0.08
		For >2,000 To 5,000, Deduct	-0.10
		For >5,000, Deduct	-0.13
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization .....	0.65
		For >250 To 500, Deduct	-0.03
		For >500 To 1,000, Deduct	-0.07
		For >1,000 To 2,000, Deduct	-0.10
		For >2,000 To 5,000, Deduct	-0.13
		For >5,000, Deduct	-0.16
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization .....	0.77
		For >250 To 500, Deduct	-0.04
		For >500 To 1,000, Deduct	-0.08
		For >1,000 To 2,000, Deduct	-0.12
		For >2,000 To 5,000, Deduct	-0.15
		For >5,000, Deduct	-0.19
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization .....	1.01
		For >250 To 500, Deduct	-0.05
		For >500 To 1,000, Deduct	-0.10
		For >1,000 To 2,000, Deduct	-0.15
		For >2,000 To 5,000, Deduct	-0.20
		For >5,000, Deduct	-0.25
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization .....	1.14
		For >250 To 500, Deduct	-0.06
		For >500 To 1,000, Deduct	-0.11
		For >1,000 To 2,000, Deduct	-0.17
		For >2,000 To 5,000, Deduct	-0.23
		For >5,000, Deduct	-0.29
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization .....	1.32
		For >250 To 500, Deduct	-0.07
		For >500 To 1,000, Deduct	-0.13
		For >1,000 To 2,000, Deduct	-0.20
		For >2,000 To 5,000, Deduct	-0.26
		For >5,000, Deduct	-0.33
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization .....	1.55
		For >250 To 500, Deduct	-0.08
		For >500 To 1,000, Deduct	-0.16
		For >1,000 To 2,000, Deduct	-0.23
		For >2,000 To 5,000, Deduct	-0.31
		For >5,000, Deduct	-0.39
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization .....	1.99
		For >250 To 500, Deduct	-0.10
		For >500 To 1,000, Deduct	-0.20
		For >1,000 To 2,000, Deduct	-0.30
		For >2,000 To 5,000, Deduct	-0.40
		For >5,000, Deduct	-0.50
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization .....	2.92
		For >250 To 500, Deduct	-0.15
		For >500 To 1,000, Deduct	-0.29
		For >1,000 To 2,000, Deduct	-0.44
		For >2,000 To 5,000, Deduct	-0.58
		For >5,000, Deduct	-0.73
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization .....	4.04
		For >250 To 500, Deduct	-0.20
		For >500 To 1,000, Deduct	-0.40
		For >1,000 To 2,000, Deduct	-0.61
		For >2,000 To 5,000, Deduct	-0.81
		For >5,000, Deduct	-1.01

33 01 10 71 **Relining Water Utilities Pipelines** (33 01 10)

See CSI section 33 01 30 71-0000 for relining water pipelines.

33 01 10 71-0001 **Relining Underground Water Pipelines** (33 01 10 71)

Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hours response for homeowners backups.

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 10 Operation and Maintenance of Water Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0002			<b>Relining Underground Water Pipelines Set-Up And Reinsertion</b> <small>(33 01 10 71-0001)</small>		
33 01 10 71-0003	EA		Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines .....	4,560.92	
33 01 10 71-0004	EA		Move And Reset Up At Different Access/Location .....	1,824.36	
33 01 10 71-0005			<b>Lining Pipe With Cement</b> <small>(33 01 10 71-0001)</small>		
33 01 10 71-0006	LF		Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement.....	53.69	
			<i>For 3/16" Thickness, Add</i>	0.48	
			<i>For 1/4" Thickness, Add</i>	0.95	
33 01 10 71-0007	LF		>500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement.....	47.73	
			<i>For 3/16" Thickness, Add</i>	0.48	
			<i>For 1/4" Thickness, Add</i>	0.95	
33 01 10 71-0008	LF		>1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement.....	39.75	
			<i>For 3/16" Thickness, Add</i>	0.48	
			<i>For 1/4" Thickness, Add</i>	0.95	
33 01 10 71-0009	LF		>5,000', 4" Pipe, 1/8" Pipe Lining With Cement .....	29.73	
			<i>For 3/16" Thickness, Add</i>	0.48	
			<i>For 1/4" Thickness, Add</i>	0.95	
33 01 10 71-0010	LF		Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement.....	55.53	
			<i>For 3/16" Thickness, Add</i>	0.71	
			<i>For 1/4" Thickness, Add</i>	1.42	
33 01 10 71-0011	LF		>500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement.....	49.35	
			<i>For 3/16" Thickness, Add</i>	0.71	
			<i>For 1/4" Thickness, Add</i>	1.42	
33 01 10 71-0012	LF		>1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement.....	41.10	
			<i>For 3/16" Thickness, Add</i>	0.71	
			<i>For 1/4" Thickness, Add</i>	1.42	
33 01 10 71-0013	LF		>5,000', 6" Pipe, 1/8" Pipe Lining With Cement .....	30.94	
			<i>For 3/16" Thickness, Add</i>	0.71	
			<i>For 1/4" Thickness, Add</i>	1.42	
33 01 10 71-0014	LF		Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement.....	57.28	
			<i>For 3/16" Thickness, Add</i>	0.95	
			<i>For 1/4" Thickness, Add</i>	1.89	
33 01 10 71-0015	LF		>500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement.....	50.96	
			<i>For 3/16" Thickness, Add</i>	0.95	
			<i>For 1/4" Thickness, Add</i>	1.89	
33 01 10 71-0016	LF		>1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement.....	42.43	
			<i>For 3/16" Thickness, Add</i>	0.95	
			<i>For 1/4" Thickness, Add</i>	1.89	
33 01 10 71-0017	LF		>5,000', 8" Pipe, 1/8" Pipe Lining With Cement .....	32.14	
			<i>For 3/16" Thickness, Add</i>	0.95	
			<i>For 1/4" Thickness, Add</i>	1.89	
33 01 10 71-0018	LF		Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement.....	58.53	
			<i>For 3/16" Thickness, Add</i>	1.19	
			<i>For 1/4" Thickness, Add</i>	2.37	
33 01 10 71-0019	LF		>500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement.....	52.11	
			<i>For 3/16" Thickness, Add</i>	1.19	
			<i>For 1/4" Thickness, Add</i>	2.37	
33 01 10 71-0020	LF		>1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement.....	43.46	
			<i>For 3/16" Thickness, Add</i>	1.19	
			<i>For 1/4" Thickness, Add</i>	2.37	
33 01 10 71-0021	LF		>5,000', 10" Pipe, 1/8" Pipe Lining With Cement .....	33.34	
			<i>For 3/16" Thickness, Add</i>	1.19	
			<i>For 1/4" Thickness, Add</i>	2.37	
33 01 10 71-0022	LF		Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement.....	63.06	
			<i>For 3/16" Thickness, Add</i>	1.42	
			<i>For 1/4" Thickness, Add</i>	2.84	
33 01 10 71-0023	LF		>500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement.....	56.24	
			<i>For 3/16" Thickness, Add</i>	1.42	
			<i>For 1/4" Thickness, Add</i>	2.84	
33 01 10 71-0024	LF		>1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement.....	47.02	
			<i>For 3/16" Thickness, Add</i>	1.42	
			<i>For 1/4" Thickness, Add</i>	2.84	
33 01 10 71-0025	LF		>5,000', 12" Pipe, 1/8" Pipe Lining With Cement .....	36.10	
			<i>For 3/16" Thickness, Add</i>	1.42	
			<i>For 1/4" Thickness, Add</i>	2.84	
33 01 10 71-0026	LF		Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement .....	66.78	
			<i>For 1/4" Thickness, Add</i>	1.58	
			<i>For 5/16" Thickness, Add</i>	3.16	
33 01 10 71-0027	LF		>500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement .....	59.70	
			<i>For 1/4" Thickness, Add</i>	1.58	
			<i>For 5/16" Thickness, Add</i>	3.16	
33 01 10 71-0028	LF		>1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement .....	50.10	
			<i>For 1/4" Thickness, Add</i>	1.58	
			<i>For 5/16" Thickness, Add</i>	3.16	
33 01 10 71-0029	LF		>5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	39.63	
			<i>For 1/4" Thickness, Add</i>	1.58	
			<i>For 5/16" Thickness, Add</i>	3.16	
33 01 10 71-0030	LF		Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement .....	69.54	
			<i>For 1/4" Thickness, Add</i>	1.89	
			<i>For 5/16" Thickness, Add</i>	3.79	
33 01 10 71-0031	LF		>500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement .....	62.24	
			<i>For 1/4" Thickness, Add</i>	1.89	
			<i>For 5/16" Thickness, Add</i>	3.79	
33 01 10 71-0032	LF		>1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement .....	52.33	
			<i>For 1/4" Thickness, Add</i>	1.89	
			<i>For 5/16" Thickness, Add</i>	3.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0033	LF	>5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	.....	42.39	
		For 1/4" Thickness, Add	.....	1.89	
		For 5/16" Thickness, Add	.....	3.79	
33 01 10 71-0034	LF	Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	.....	73.13	
		For 1/4" Thickness, Add	.....	2.21	
		For 5/16" Thickness, Add	.....	4.42	
33 01 10 71-0035	LF	>500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	.....	65.58	
		For 1/4" Thickness, Add	.....	2.21	
		For 5/16" Thickness, Add	.....	4.42	
33 01 10 71-0036	LF	>1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	.....	55.18	
		For 1/4" Thickness, Add	.....	2.21	
		For 5/16" Thickness, Add	.....	4.42	
33 01 10 71-0037	LF	>5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	.....	45.90	
		For 1/4" Thickness, Add	.....	2.21	
		For 5/16" Thickness, Add	.....	4.42	
33 01 10 71-0038	LF	Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement	.....	76.82	
		For 1/4" Thickness, Add	.....	2.53	
		For 5/16" Thickness, Add	.....	5.05	
33 01 10 71-0039	LF	>500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	.....	68.95	
		For 1/4" Thickness, Add	.....	2.53	
		For 5/16" Thickness, Add	.....	5.05	
33 01 10 71-0040	LF	>1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	.....	58.23	
		For 1/4" Thickness, Add	.....	2.53	
		For 5/16" Thickness, Add	.....	5.05	
33 01 10 71-0041	LF	>5,000', 24" Pipe, 3/16" Pipe Lining With Cement	.....	49.57	
		For 1/4" Thickness, Add	.....	2.53	
		For 5/16" Thickness, Add	.....	5.05	
33 01 10 71-0042	LF	Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement	.....	81.35	
		For 1/4" Thickness, Add	.....	3.16	
		For 5/16" Thickness, Add	.....	6.31	
33 01 10 71-0043	LF	>500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	.....	73.03	
		For 1/4" Thickness, Add	.....	3.16	
		For 5/16" Thickness, Add	.....	6.31	
33 01 10 71-0044	LF	>1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	.....	61.67	
		For 1/4" Thickness, Add	.....	3.16	
		For 5/16" Thickness, Add	.....	6.31	
33 01 10 71-0045	LF	>5,000', 30" Pipe, 3/16" Pipe Lining With Cement	.....	52.93	
		For 1/4" Thickness, Add	.....	3.16	
		For 5/16" Thickness, Add	.....	6.31	
33 01 10 71-0046	LF	Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement	.....	85.80	
		For 1/4" Thickness, Add	.....	3.79	
		For 5/16" Thickness, Add	.....	7.58	
33 01 10 71-0047	LF	500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	.....	77.11	
		For 1/4" Thickness, Add	.....	3.79	
		For 5/16" Thickness, Add	.....	7.58	
33 01 10 71-0048	LF	>1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	.....	65.12	
		For 1/4" Thickness, Add	.....	3.79	
		For 5/16" Thickness, Add	.....	7.58	
33 01 10 71-0049	LF	>5,000', 36" Pipe, 3/16" Pipe Lining With Cement	.....	56.28	
		For 1/4" Thickness, Add	.....	3.79	
		For 5/16" Thickness, Add	.....	7.58	
33 01 10 71-0050	LF	Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement	.....	101.25	
		For 3/8" Thickness, Add	.....	9.95	
		For 7/16" Thickness, Add	.....	14.92	
33 01 10 71-0051	LF	>500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	.....	91.78	
		For 3/8" Thickness, Add	.....	9.95	
		For 7/16" Thickness, Add	.....	14.92	
33 01 10 71-0052	LF	>1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	.....	78.74	
		For 3/8" Thickness, Add	.....	9.95	
		For 7/16" Thickness, Add	.....	14.92	
33 01 10 71-0053	LF	>5,000', 42" Pipe, 1/4" Pipe Lining With Cement	.....	69.63	
		For 3/8" Thickness, Add	.....	9.95	
		For 7/16" Thickness, Add	.....	14.92	
33 01 10 71-0054	LF	Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement	.....	110.92	
		For 3/8" Thickness, Add	.....	11.37	
		For 7/16" Thickness, Add	.....	17.05	
33 01 10 71-0055	LF	>500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	.....	100.79	
		For 3/8" Thickness, Add	.....	11.37	
		For 7/16" Thickness, Add	.....	17.05	
33 01 10 71-0056	LF	>1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	.....	86.77	
		For 3/8" Thickness, Add	.....	11.37	
		For 7/16" Thickness, Add	.....	17.05	
33 01 10 71-0057	LF	>5,000', 48" Pipe, 1/4" Pipe Lining With Cement	.....	77.48	
		For 3/8" Thickness, Add	.....	11.37	
		For 7/16" Thickness, Add	.....	17.05	
33 01 10 71-0058	LF	Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement	.....	115.39	
		For 3/8" Thickness, Add	.....	12.79	
		For 7/16" Thickness, Add	.....	19.18	
33 01 10 71-0059	LF	>500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	.....	105.05	
		For 3/8" Thickness, Add	.....	12.79	
		For 7/16" Thickness, Add	.....	19.18	
33 01 10 71-0060	LF	>1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	.....	90.70	
		For 3/8" Thickness, Add	.....	12.79	
		For 7/16" Thickness, Add	.....	19.18	
33 01 10 71-0061	LF	>5,000', 54" Pipe, 1/4" Pipe Lining With Cement	.....	81.78	
		For 3/8" Thickness, Add	.....	12.79	
		For 7/16" Thickness, Add	.....	19.18	
33 01 10 71-0062	LF	Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement	.....	119.88	
		For 3/8" Thickness, Add	.....	14.21	
		For 7/16" Thickness, Add	.....	21.32	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 10 Operation and Maintenance of Water Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	10 71-0063	LF	>500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement..... <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	109.36 14.21 21.32	
33 01	10 71-0064	LF	>1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement..... <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	94.74 14.21 21.32	
33 01	10 71-0065	LF	>5,000', 60" Pipe, 1/4" Pipe Lining With Cement ..... <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	86.09 14.21 21.32	
33 01	10 71-0066	LF	Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement..... <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	124.64 15.63 23.45	
33 01	10 71-0067	LF	>500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement..... <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	113.89 15.63 23.45	
33 01	10 71-0068	LF	>1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement..... <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	99.04 15.63 23.45	
33 01	10 71-0069	LF	>5,000', 66" Pipe, 1/4" Pipe Lining With Cement ..... <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	91.02 15.63 23.45	
33 01	10 71-0070	LF	Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement..... <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	129.75 17.05 25.58	
33 01	10 71-0071	LF	>500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement..... <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	118.83 17.05 25.58	
33 01	10 71-0072	LF	>1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement..... <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	103.61 17.05 25.58	
33 01	10 71-0073	LF	>5,000', 72" Pipe, 1/4" Pipe Lining With Cement ..... <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	96.04 17.05 25.58	

**33 01 30 Operation and Maintenance of Sewer Utilities (33 01)****33 01 30 11 Television Inspection Of Pipelines (33 01 30)**

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

**33 01 30 11-0001 Remote Visual Inspection (RVI) Of Pipe Interior And Culverts (33 01 30 11)****33 01 30 11-0002 Video Camera Set-up (33 01 30 11-0001)**

33 01	30 11-0003	EA	Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert ..... Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1"-12" diameter pipes for distances up to 300 feet.	775.90	
33 01	30 11-0004	EA	Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert..... Note: Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).	1,551.82	
33 01	30 11-0005	EA	Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert .....	2,327.72	
33 01	30 11-0006	EA	Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert .....	387.96	
33 01	30 11-0007	EA	Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert.....	775.90	

**33 01 30 11-0008 Video Camera Planning And Analysis Inspection (33 01 30 11-0001)**

Note: For pipe interior and culverts.

33 01	30 11-0009	LF	4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase ..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	1.96 -0.20 -0.49 -0.69	
33 01	30 11-0010	LF	>6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase ..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	2.62 -0.26 -0.66 -0.92	
33 01	30 11-0011	LF	>12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase ..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	3.28 -0.33 -0.82 -1.15	
33 01	30 11-0012	LF	>21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase ..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	4.37 -0.44 -1.09 -1.53	
33 01	30 11-0013	LF	>30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase ..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	6.15 -0.62 -1.54 -2.15	
33 01	30 11-0014	LF	>42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase ..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	8.19 -0.82 -2.05 -2.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	11-0015	LF	>60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	11.57 -1.16 -2.89 -4.05	
33 01 30	11-0016	LF	>72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	16.39 -1.64 -4.10 -5.74	
<b>33 01 30 11-0017 Video Camera Pre-Rehab For Pipe Interior And Culverts (33 01 30 11-0001)</b>					
33 01 30	11-0018	LF	4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	2.91 -0.29 -0.73 -1.02	
33 01 30	11-0019	LF	>6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	3.88 -0.39 -0.97 -1.36	
33 01 30	11-0020	LF	>12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	4.85 -0.49 -1.21 -1.70	
33 01 30	11-0021	LF	>21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	6.47 -0.65 -1.62 -2.26	
33 01 30	11-0022	LF	>30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	9.10 -0.91 -2.28 -3.19	
33 01 30	11-0023	LF	>42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	12.13 -1.21 -3.03 -4.25	
33 01 30	11-0024	LF	>60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	17.12 -1.71 -4.28 -5.99	
33 01 30	11-0025	LF	>72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	24.24 -2.42 -6.06 -8.48	
<b>33 01 30 11-0026 Video Camera Post-Rehab For Pipe Interior And Culverts (33 01 30 11-0001)</b>					
33 01 30	11-0027	LF	4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	2.08 -0.21 -0.52 -0.73	
33 01 30	11-0028	LF	>6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	2.77 -0.28 -0.69 -0.97	
33 01 30	11-0029	LF	>12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	3.46 -0.35 -0.87 -1.21	
33 01 30	11-0030	LF	>21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	4.62 -0.46 -1.16 -1.62	
33 01 30	11-0031	LF	>30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	6.49 -0.65 -1.62 -2.27	
33 01 30	11-0032	LF	>42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	8.66 -0.87 -2.17 -3.03	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 01 30 11-0033	LF >60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase ..... Note: CCTV inspection of pipe interior.	12.22	
	For >500 To 1,000, Deduct	-1.22	
	For >1,000 To 5,000, Deduct	-3.06	
	For >5,000, Deduct	-4.28	
33 01 30 11-0034	LF >72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase ..... Note: CCTV inspection of pipe interior.	17.32	
	For >500 To 1,000, Deduct	-1.73	
	For >1,000 To 5,000, Deduct	-4.33	
	For >5,000, Deduct	-6.06	
<b>33 01 30 41 Cleaning of Sewers (33 01 30)</b>			
33 01 30 41-0001	Pipe Line Cleaning And Flushing (33 01 30 41) Note: Includes flushing. Owner provided water.		
33 01 30 41-0002	Pipe Line Cleaning (33 01 30 41-0001) Note: Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0003	Hydro Jet Set-up And Reinsertion (33 01 30 41-0002)		
33 01 30 41-0004	EA Initial Set Up And Final Equipment Removal For Jet Cleaning .....	2,433.12	
33 01 30 41-0005	EA Move And Reset Up At Different Access/Location For Jet Cleaning .....	608.28	
<b>33 01 30 41-0006 Hydro Jet Cleaning Of Sewer And Water Pipelines (33 01 30 41-0002)</b>			
33 01 30 41-0007	LF Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes .....	3.27	
	For >250 To 500, Deduct	-0.16	
	For >500 To 1,000, Deduct	-0.33	
	For >1,000 To 2,000, Deduct	-0.49	
	For >2,000 To 5,000, Deduct	-0.65	
	For >5,000, Deduct	-0.82	
	For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.45	
33 01 30 41-0008	LF 6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes .....	3.76	
	For >250 To 500, Deduct	-0.19	
	For >500 To 1,000, Deduct	-0.38	
	For >1,000 To 2,000, Deduct	-0.56	
	For >2,000 To 5,000, Deduct	-0.75	
	For >5,000, Deduct	-0.94	
	For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.82	
33 01 30 41-0009	LF 8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes .....	4.41	
	For >250 To 500, Deduct	-0.22	
	For >500 To 1,000, Deduct	-0.44	
	For >1,000 To 2,000, Deduct	-0.66	
	For >2,000 To 5,000, Deduct	-0.88	
	For >5,000, Deduct	-1.10	
	For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.31	
33 01 30 41-0010	LF 10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes .....	5.45	
	For >250 To 500, Deduct	-0.27	
	For >500 To 1,000, Deduct	-0.55	
	For >1,000 To 2,000, Deduct	-0.82	
	For >2,000 To 5,000, Deduct	-1.09	
	For >5,000, Deduct	-1.36	
	For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	4.09	
33 01 30 41-0011	LF 12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes .....	6.19	
	For >250 To 500, Deduct	-0.31	
	For >500 To 1,000, Deduct	-0.62	
	For >1,000 To 2,000, Deduct	-0.93	
	For >2,000 To 5,000, Deduct	-1.24	
	For >5,000, Deduct	-1.55	
	For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	4.64	
33 01 30 41-0012	LF >12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes .....	7.14	
	For >250 To 500, Deduct	-0.36	
	For >500 To 1,000, Deduct	-0.71	
	For >1,000 To 2,000, Deduct	-1.07	
	For >2,000 To 5,000, Deduct	-1.43	
	For >5,000, Deduct	-1.79	
	For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	5.36	
33 01 30 41-0013	LF >16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes .....	8.59	
	For >250 To 500, Deduct	-0.43	
	For >500 To 1,000, Deduct	-0.86	
	For >1,000 To 2,000, Deduct	-1.29	
	For >2,000 To 5,000, Deduct	-1.72	
	For >5,000, Deduct	-2.15	
	For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	6.44	
33 01 30 41-0014	LF >24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes .....	9.75	
	For >250 To 500, Deduct	-0.49	
	For >500 To 1,000, Deduct	-0.98	
	For >1,000 To 2,000, Deduct	-1.46	
	For >2,000 To 5,000, Deduct	-1.95	
	For >5,000, Deduct	-2.44	
	For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	7.31	
33 01 30 41-0015	LF >30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes .....	11.52	
	For >250 To 500, Deduct	-0.58	
	For >500 To 1,000, Deduct	-1.15	
	For >1,000 To 2,000, Deduct	-1.73	
	For >2,000 To 5,000, Deduct	-2.30	
	For >5,000, Deduct	-2.88	
	For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	8.64	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0016	LF		>42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes .....	14.48	
			For >250 To 500, Deduct	-0.72	
			For >500 To 1,000, Deduct	-1.45	
			For >1,000 To 2,000, Deduct	-2.17	
			For >2,000 To 5,000, Deduct	-2.90	
			For >5,000, Deduct	-3.62	
			For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	10.86	
33 01 30 41-0017	LF		>60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes .....	16.90	
			For >250 To 500, Deduct	-0.85	
			For >500 To 1,000, Deduct	-1.69	
			For >1,000 To 2,000, Deduct	-2.54	
			For >2,000 To 5,000, Deduct	-3.38	
			For >5,000, Deduct	-4.23	
			For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	12.68	
<b>33 01 30 41-0018 Flushing Of Storm Water Pipelines (33 01 30 41-0002)</b>					
Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.					
33 01 30 41-0019	LF		12" To 16" Diameter Pipe Line Flushing .....	1.22	
			For >250 To 500, Deduct	-0.06	
			For >500 To 1,000, Deduct	-0.12	
			For >1,000 To 2,000, Deduct	-0.18	
			For >2,000 To 5,000, Deduct	-0.24	
			For >5,000, Deduct	-0.31	
33 01 30 41-0020	LF		>16" To 24" Diameter Pipe Line Flushing .....	1.40	
			For >250 To 500, Deduct	-0.07	
			For >500 To 1,000, Deduct	-0.14	
			For >1,000 To 2,000, Deduct	-0.21	
			For >2,000 To 5,000, Deduct	-0.28	
			For >5,000, Deduct	-0.35	
33 01 30 41-0021	LF		>24" To 30" Diameter Pipe Line Flushing .....	1.64	
			For >250 To 500, Deduct	-0.08	
			For >500 To 1,000, Deduct	-0.16	
			For >1,000 To 2,000, Deduct	-0.25	
			For >2,000 To 5,000, Deduct	-0.33	
			For >5,000, Deduct	-0.41	
33 01 30 41-0022	LF		>30" To 42" Diameter Pipe Line Flushing .....	1.89	
			For >250 To 500, Deduct	-0.09	
			For >500 To 1,000, Deduct	-0.19	
			For >1,000 To 2,000, Deduct	-0.28	
			For >2,000 To 5,000, Deduct	-0.38	
			For >5,000, Deduct	-0.47	
33 01 30 41-0023	LF		>42" To 60" Diameter Pipe Line Flushing .....	2.51	
			For >250 To 500, Deduct	-0.13	
			For >500 To 1,000, Deduct	-0.25	
			For >1,000 To 2,000, Deduct	-0.38	
			For >2,000 To 5,000, Deduct	-0.50	
			For >5,000, Deduct	-0.63	
<b>33 01 30 41-0024 Hydro Jet Cleaning Of Culverts (33 01 30 41-0002)</b>					
33 01 30 41-0025	LF		Jet Cleaning Of Culvert, 0-250 LF .....	15.13	
			For >250 To 500, Deduct	-0.76	
			For >500 To 1,000, Deduct	-1.51	
			For >1,000 To 2,000, Deduct	-2.27	
			For >2,000 To 5,000, Deduct	-3.03	
			For >5,000, Deduct	-3.78	
<b>33 01 30 41-0026 Pipe Line Cleaning, Mechanical Method (33 01 30 41-0001)</b>					
Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.					
33 01 30 41-0027	EA		Initial Set Up And Final Equipment Removal For Mechanical Cleaning .....	1,050.29	
33 01 30 41-0028	EA		Move And Reset Up At Different Access/Location .....	350.10	
33 01 30 41-0029	LF		Up To 4" Diameter Pipe Line Cleaning, Mechanical Method .....	6.05	
			For >250 To 500, Deduct	-0.29	
			For >500 To 1,000, Deduct	-0.58	
			For >1,000 To 2,000, Deduct	-0.88	
			For >2,000 To 5,000, Deduct	-1.17	
			For >5,000, Deduct	-1.46	
33 01 30 41-0030	LF		6" Diameter Pipe Line Cleaning, Mechanical Method .....	7.92	
			For >250 To 500, Deduct	-0.38	
			For >500 To 1,000, Deduct	-0.75	
			For >1,000 To 2,000, Deduct	-1.13	
			For >2,000 To 5,000, Deduct	-1.50	
			For >5,000, Deduct	-1.88	
33 01 30 41-0031	LF		8" Diameter Pipe Line Cleaning, Mechanical Method .....	9.28	
			For >250 To 500, Deduct	-0.44	
			For >500 To 1,000, Deduct	-0.88	
			For >1,000 To 2,000, Deduct	-1.31	
			For >2,000 To 5,000, Deduct	-1.75	
			For >5,000, Deduct	-2.19	
33 01 30 41-0032	LF		10" Diameter Pipe Line Cleaning, Mechanical Method .....	10.72	
			For >250 To 500, Deduct	-0.51	
			For >500 To 1,000, Deduct	-1.01	
			For >1,000 To 2,000, Deduct	-1.52	
			For >2,000 To 5,000, Deduct	-2.02	
			For >5,000, Deduct	-2.53	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30 41-0033	LF	12" Diameter Pipe Line Cleaning, Mechanical Method .....	11.67	
			<i>For &gt;250 To 500, Deduct</i>	-0.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.09	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-1.64	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-2.19	
			<i>For &gt;5,000, Deduct</i>	-2.74	
33 01	30 41-0034	LF	>12" To 16" Diameter Pipe Line Cleaning, Mechanical Method .....	13.43	
			<i>For &gt;250 To 500, Deduct</i>	-0.63	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.25	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-1.88	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-2.50	
			<i>For &gt;5,000, Deduct</i>	-3.13	
33 01	30 41-0035	LF	>16" To 24" Diameter Pipe Line Cleaning, Mechanical Method .....	16.89	
			<i>For &gt;250 To 500, Deduct</i>	-0.77	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.54	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-2.32	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-3.09	
			<i>For &gt;5,000, Deduct</i>	-3.86	
33 01	30 41-0036	LF	>24" To 30" Diameter Pipe Line Cleaning, Mechanical Method .....	19.28	
			<i>For &gt;250 To 500, Deduct</i>	-0.86	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.72	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-2.58	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-3.44	
			<i>For &gt;5,000, Deduct</i>	-4.30	
33 01	30 41-0037	LF	>30" To 42" Diameter Pipe Line Cleaning, Mechanical Method .....	22.41	
			<i>For &gt;250 To 500, Deduct</i>	-0.99	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.98	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-2.97	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-3.96	
			<i>For &gt;5,000, Deduct</i>	-4.96	
33 01	30 41-0038	LF	>42 To 60" Diameter Pipe Line Cleaning, Mechanical Method .....	29.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.31	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.63	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-3.94	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-5.25	
			<i>For &gt;5,000, Deduct</i>	-6.57	
33 01	30 41-0039	LF	>60" Diameter Pipe Line Cleaning, Mechanical Method .....	33.32	
			<i>For &gt;250 To 500, Deduct</i>	-1.46	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.92	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-4.38	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-5.83	
			<i>For &gt;5,000, Deduct</i>	-7.29	
<b>33 01 30 41-0040</b>			<b>Pipe Line Auguring/Rod Out Pipe <small>(33 01 30 41-0001)</small></b>		
33 01	30 41-0041	EA	Initial Set Up And Final Equipment Removal For Auguring .....	1,050.29	
33 01	30 41-0042	EA	Move And Reset Up At Different Location .....	350.10	
33 01	30 41-0043	LF	Up To 4" Diameter Pipe Line Auguring/Rod Out .....	3.50	
			<i>For &gt;250 To 500, Deduct</i>	-0.18	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.35	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-0.53	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-0.70	
			<i>For &gt;5,000, Deduct</i>	-0.88	
33 01	30 41-0044	LF	6" Diameter Pipe Line Auguring/Rod Out .....	4.53	
			<i>For &gt;250 To 500, Deduct</i>	-0.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.45	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-0.68	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-0.91	
			<i>For &gt;5,000, Deduct</i>	-1.13	
33 01	30 41-0045	LF	8" Diameter Pipe Line Auguring/Rod Out .....	5.25	
			<i>For &gt;250 To 500, Deduct</i>	-0.26	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.53	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-0.79	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-1.05	
			<i>For &gt;5,000, Deduct</i>	-1.31	
33 01	30 41-0046	LF	10" Diameter Pipe Line Auguring/Rod Out .....	6.10	
			<i>For &gt;250 To 500, Deduct</i>	-0.31	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.61	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-0.92	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-1.22	
			<i>For &gt;5,000, Deduct</i>	-1.53	
33 01	30 41-0047	LF	12" Diameter Pipe Line Auguring/Rod Out .....	6.57	
			<i>For &gt;250 To 500, Deduct</i>	-0.33	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.66	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-0.99	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-1.31	
			<i>For &gt;5,000, Deduct</i>	-1.64	
33 01	30 41-0048	LF	>12" To 16" Diameter Pipe Line Auguring/Rod Out .....	7.51	
			<i>For &gt;250 To 500, Deduct</i>	-0.38	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.75	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-1.13	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-1.50	
			<i>For &gt;5,000, Deduct</i>	-1.88	
33 01	30 41-0049	LF	>16" To 24" Diameter Pipe Line Auguring/Rod Out .....	9.21	
			<i>For &gt;250 To 500, Deduct</i>	-0.46	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.92	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-1.38	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-1.84	
			<i>For &gt;5,000, Deduct</i>	-2.30	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 41-0050	LF >24" To 30" Diameter Pipe Line Auguring/Rod Out .....	10.29
	<i>For &gt;250 To 500, Deduct</i>	-0.51
	<i>For &gt;500 To 1,000, Deduct</i>	-1.03
	<i>For &gt;1,000 To 2,000, Deduct</i>	-1.54
	<i>For &gt;2,000 To 5,000, Deduct</i>	-2.06
	<i>For &gt;5,000, Deduct</i>	-2.57
33 01 30 41-0051	LF >30" To 42" Diameter Pipe Line Auguring/Rod Out .....	11.94
	<i>For &gt;250 To 500, Deduct</i>	-0.60
	<i>For &gt;500 To 1,000, Deduct</i>	-1.19
	<i>For &gt;1,000 To 2,000, Deduct</i>	-1.79
	<i>For &gt;2,000 To 5,000, Deduct</i>	-2.39
	<i>For &gt;5,000, Deduct</i>	-2.99
33 01 30 41-0052	LF >42 To 60" Diameter Pipe Line Auguring/Rod Out .....	16.41
	<i>For &gt;250 To 500, Deduct</i>	-0.82
	<i>For &gt;500 To 1,000, Deduct</i>	-1.64
	<i>For &gt;1,000 To 2,000, Deduct</i>	-2.46
	<i>For &gt;2,000 To 5,000, Deduct</i>	-3.28
	<i>For &gt;5,000, Deduct</i>	-4.10
33 01 30 41-0053	LF >60" Diameter Pipe Line Auguring/Rod Out .....	17.50
	<i>For &gt;250 To 500, Deduct</i>	-0.88
	<i>For &gt;500 To 1,000, Deduct</i>	-1.75
	<i>For &gt;1,000 To 2,000, Deduct</i>	-2.63
	<i>For &gt;2,000 To 5,000, Deduct</i>	-3.50
	<i>For &gt;5,000, Deduct</i>	-4.38

**33 01 30 42    Cleaning of Manholes** (33 01 30)

33 01 30 42-0001    **Structure Cleaning And Flushing** (33 01 30 42)  
 Note: Includes flushing. Owner provided water.

33 01 30 42-0002    **Rod Out Structures And Other Hand Operations** (33 01 30 42-0001)

33 01 30 42-0003	EA Rod Out Waste Water Drain .....	45.55
33 01 30 42-0004	EA Rod Out Sewer Catch Basin .....	91.10
33 01 30 42-0005	EA Up To 6" Diameter Pipe, Rod Out Blockage .....	18.22
33 01 30 42-0006	EA 8" Diameter Pipe, Rod Out Blockage .....	20.04
33 01 30 42-0007	EA 10" Diameter Pipe, Rod Out Blockage .....	22.77
33 01 30 42-0008	EA 12" Diameter Pipe, Rod Out Blockage .....	26.42
33 01 30 42-0009	EA >12" To 16" Diameter Pipe, Rod Out Blockage .....	30.97
33 01 30 42-0010	EA >16" To 24" Diameter Pipe, Rod Out Blockage .....	36.44
33 01 30 42-0011	EA >24" To 30" Diameter Pipe, Rod Out Blockage .....	42.82
33 01 30 42-0012	EA >30" To 42" Diameter Pipe, Rod Out Blockage .....	49.20
33 01 30 42-0013	EA >42" To 60" Diameter Pipe, Rod Out Blockage .....	57.40
33 01 30 42-0014	EA >60" Diameter Pipe, Rod Out Blockage .....	68.32
33 01 30 42-0015	EA Clean Out Debris From Entrance To Inlet Structure .....	227.75
33 01 30 42-0016	EA 3' To 4' Diameter, Clean Out Blocked Manhole By Hand .....	754.09
	<i>For &gt;10 To 100, Deduct</i>	-113.11
	<i>For &gt;100 To 250, Deduct</i>	-169.67
	<i>For &gt;250, Deduct</i>	-226.23
33 01 30 42-0017	EA 5' To 6' Diameter, Clean Out Blocked Manhole By Hand .....	904.90
	<i>For &gt;10 To 100, Deduct</i>	-135.74
	<i>For &gt;100 To 250, Deduct</i>	-203.60
	<i>For &gt;250, Deduct</i>	-271.47
33 01 30 42-0018	EA Clean Out Blocked Catch Basin By Hand .....	452.45
	<i>For &gt;10 To 100, Deduct</i>	-67.87
	<i>For &gt;100 To 250, Deduct</i>	-101.80
	<i>For &gt;250, Deduct</i>	-135.74

33 01 30 42-0019    **Cleaning Manholes And Drainage Structures With Jet/Vacuum** (33 01 30 42-0001)

Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.

33 01 30 42-0020	EA Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes .....	259.95
33 01 30 42-0021	EA Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes .....	241.49
33 01 30 42-0022	EA Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes .....	223.04
33 01 30 42-0023	EA Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes .....	204.59
33 01 30 42-0024	EA Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes .....	186.14
33 01 30 42-0025	EA Jet/Vacuum Clean >250 Catch Basins Or Manholes .....	167.68

**33 01 30 51    Maintenance of Utilities** (33 01 30)

33 01 30 51-0001    **Pipe Repair** (33 01 30 51)

33 01 30 51-0002    **Pipe Repair Clamp, Full Circle, Single Band** (33 01 30 51-0001)

Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0003	EA 2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....	119.23
	<i>For Stainless Steel Nuts And Bolts, Add</i>	19.70
33 01 30 51-0004	EA 2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....	169.77
	<i>For Stainless Steel Nuts And Bolts, Add</i>	29.69
33 01 30 51-0005	EA 2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....	196.28
	<i>For Stainless Steel Nuts And Bolts, Add</i>	34.96
33 01 30 51-0006	EA 2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....	223.71
	<i>For Stainless Steel Nuts And Bolts, Add</i>	40.22
33 01 30 51-0007	EA 2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....	128.63
	<i>For Stainless Steel Nuts And Bolts, Add</i>	21.39
33 01 30 51-0008	EA 2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....	180.47
	<i>For Stainless Steel Nuts And Bolts, Add</i>	31.68

## 33 Utilities

## 33 01 Operation and Maintenance of Utilities

## 33 01 30 Operation and Maintenance of Sewer Utilities

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0009	EA		2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	206.95 36.83	
33 01 30 51-0010	EA		2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	239.27 43.10	
33 01 30 51-0011	EA		3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	138.39 23.40	
33 01 30 51-0012	EA		3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	187.76 33.12	
33 01 30 51-0013	EA		3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	217.17 38.83	
33 01 30 51-0014	EA		3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	253.36 46.10	
33 01 30 51-0015	EA		4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	155.99 26.61	
33 01 30 51-0016	EA		4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	206.16 35.82	
33 01 30 51-0017	EA		4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	250.04 43.61	
33 01 30 51-0018	EA		4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	301.24 52.60	
33 01 30 51-0019	EA		4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	394.23 70.65	
33 01 30 51-0020	EA		4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	490.61 88.70	
33 01 30 51-0021	EA		4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	598.65 108.81	
33 01 30 51-0022	EA		6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	183.38 31.40	
33 01 30 51-0023	EA		6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	243.77 42.60	
33 01 30 51-0024	EA		6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	288.68 50.23	
33 01 30 51-0025	EA		6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	338.12 58.37	
33 01 30 51-0026	EA		6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	468.94 84.58	
33 01 30 51-0027	EA		6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	570.26 103.14	
33 01 30 51-0028	EA		6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	681.11 123.25	
33 01 30 51-0029	EA		8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	238.30 37.57	
33 01 30 51-0030	EA		8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	309.84 49.71	
33 01 30 51-0031	EA		8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	374.02 60.16	
33 01 30 51-0032	EA		8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	446.61 71.68	
33 01 30 51-0033	EA		8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	593.90 99.31	
33 01 30 51-0034	EA		8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	710.31 118.75	
33 01 30 51-0035	EA		8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	841.04 139.77	
33 01 30 51-0036	EA		10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	279.40 45.73	
33 01 30 51-0037	EA		10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	375.72 63.25	
33 01 30 51-0038	EA		10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	442.40 73.95	
33 01 30 51-0039	EA		10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	542.92 91.46	
33 01 30 51-0040	EA		10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	713.69 124.06	
33 01 30 51-0041	EA		10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	811.84 138.66	
33 01 30 51-0042	EA		10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,045.56 182.93	
33 01 30 51-0043	EA		12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	317.95 51.58	
33 01 30 51-0044	EA		12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	415.37 68.59	
33 01 30 51-0045	EA		12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	501.44 83.00	
33 01 30 51-0046	EA		12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	617.11 103.14	
33 01 30 51-0047	EA		12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	794.72 136.23	
33 01 30 51-0048	EA		12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	934.39 159.09	
33 01 30 51-0049	EA		12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,188.28 206.28	
33 01 30 51-0050			<b>Pipe Repair Clamp, Full Circle, Double Bands</b> <small>(33 01 30 51-0001)</small> Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0051	EA		14.38"-15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	711.08 198.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0052	EA		14.38"-15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	1,008.69 286.46	
33 01 30 51-0053	EA		14.38"-15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	1,358.59 388.48	
33 01 30 51-0054	EA		14.38"-15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	2,002.78 585.52	
33 01 30 51-0055	EA		15.07"-15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	746.35 208.20	
33 01 30 51-0056	EA		15.07"-15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	1,055.89 299.74	
33 01 30 51-0057	EA		15.07"-15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	1,418.67 405.25	
33 01 30 51-0058	EA		15.07"-15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	2,099.46 613.46	
33 01 30 51-0059	EA		15.92"-16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	765.27 212.40	
33 01 30 51-0060	EA		15.92"-16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	1,080.78 305.34	
33 01 30 51-0061	EA		15.92"-16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	1,455.71 414.33	
33 01 30 51-0062	EA		15.92"-16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	2,152.55 626.73	
33 01 30 51-0063	EA		16.56"-17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	785.10 216.59	
33 01 30 51-0064	EA		16.56"-17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	1,109.13 311.63	
33 01 30 51-0065	EA		16.56"-17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	1,491.43 422.01	
33 01 30 51-0066	EA		16.56"-17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	2,205.49 639.31	
33 01 30 51-0067	EA		17.15"-17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	802.89 220.09	
33 01 30 51-0068	EA		17.15"-17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	1,133.33 316.51	
33 01 30 51-0069	EA		17.15"-17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	1,527.13 429.70	
33 01 30 51-0070	EA		17.15"-17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	2,253.20 649.79	
33 01 30 51-0071	EA		17.82"-18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	819.74 223.59	
33 01 30 51-0072	EA		17.82"-18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	1,158.20 322.10	
33 01 30 51-0073	EA		17.82"-18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	1,558.96 436.69	
33 01 30 51-0074	EA		17.82"-18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	2,283.56 655.03	
33 01 30 51-0075	EA		18.46"-19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	839.09 227.94	
33 01 30 51-0076	EA		18.46"-19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	1,187.65 329.09	
33 01 30 51-0077	EA		18.46"-19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	1,592.77 444.37	
33 01 30 51-0078	EA		18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i> .....	2,352.12 673.55	
33 01 30 51-0079			<b>Polyseal Pipe Coupler</b> (33 01 30 51-0001)		
33 01 30 51-0080	EA		18" Diameter Pipe, PolySeal Repair Couplers (MarMac).....	276.67	
33 01 30 51-0081	EA		24" Diameter Pipe, PolySeal Repair Couplers (MarMac).....	312.62	

**33 01 30 71 Relining Sewer Utilities Pipelines** (33 01 30)

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0001 Relining Underground Pipelines <sup>(33 01 30 71)</sup> Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 71-0002 Lining Pipe, Spray Applied With Structural Polyurethane <sup>(33 01 30 71-0001)</sup> Note: Two part structural polyurethane.		
33 01 30 71-0003 Mobilization And Setup For Spray Applied Structural Polyurethane Lining <sup>(33 01 30 71-0002)</sup>		
33 01 30 71-0004 EA Initial Set Up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining .....	1,611.71	
33 01 30 71-0005 Lining Pipe, Spray Applied With 100 mil Structural Polyurethane <sup>(33 01 30 71-0002)</sup> Note: Two part structural polyurethane.		
33 01 30 71-0006 LF 36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	44.50	
For Up To 75, Add	9.77	
For >75 To 150, Add	4.45	
For >500 To 1,000, Deduct	-1.24	
For >1,000 To 2,000, Deduct	-2.39	
For >2,000 To 5,000, Deduct	-3.71	
For >5,000, Deduct	-5.32	
33 01 30 71-0007 LF 42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	51.93	
For Up To 75, Add	11.40	
For >75 To 150, Add	5.19	
For >500 To 1,000, Deduct	-1.44	
For >1,000 To 2,000, Deduct	-2.79	
For >2,000 To 5,000, Deduct	-4.33	
For >5,000, Deduct	-6.21	
33 01 30 71-0008 LF 48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	59.36	
For Up To 75, Add	13.03	
For >75 To 150, Add	5.94	
For >500 To 1,000, Deduct	-1.65	
For >1,000 To 2,000, Deduct	-3.19	
For >2,000 To 5,000, Deduct	-4.95	
For >5,000, Deduct	-7.10	
33 01 30 71-0009 LF 54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	66.77	
For Up To 75, Add	14.66	
For >75 To 150, Add	6.68	
For >500 To 1,000, Deduct	-1.86	
For >1,000 To 2,000, Deduct	-3.58	
For >2,000 To 5,000, Deduct	-5.57	
For >5,000, Deduct	-7.98	
33 01 30 71-0010 LF 60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	74.19	
For Up To 75, Add	16.29	
For >75 To 150, Add	7.42	
For >500 To 1,000, Deduct	-2.06	
For >1,000 To 2,000, Deduct	-3.98	
For >2,000 To 5,000, Deduct	-6.19	
For >5,000, Deduct	-8.87	
33 01 30 71-0011 LF 66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	81.60	
For Up To 75, Add	17.91	
For >75 To 150, Add	8.16	
For >500 To 1,000, Deduct	-2.27	
For >1,000 To 2,000, Deduct	-4.38	
For >2,000 To 5,000, Deduct	-6.81	
For >5,000, Deduct	-9.75	
33 01 30 71-0012 LF 72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	89.02	
For Up To 75, Add	19.54	
For >75 To 150, Add	8.90	
For >500 To 1,000, Deduct	-2.48	
For >1,000 To 2,000, Deduct	-4.78	
For >2,000 To 5,000, Deduct	-7.43	
For >5,000, Deduct	-10.64	
33 01 30 71-0013 LF 78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	96.44	
For Up To 75, Add	21.17	
For >75 To 150, Add	9.64	
For >500 To 1,000, Deduct	-2.68	
For >1,000 To 2,000, Deduct	-5.18	
For >2,000 To 5,000, Deduct	-8.05	
For >5,000, Deduct	-11.53	
33 01 30 71-0014 LF 84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	103.86	
For Up To 75, Add	22.80	
For >75 To 150, Add	10.39	
For >500 To 1,000, Deduct	-2.89	
For >1,000 To 2,000, Deduct	-5.57	
For >2,000 To 5,000, Deduct	-8.67	
For >5,000, Deduct	-12.41	
33 01 30 71-0015 LF 90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	111.27	
For Up To 75, Add	24.43	
For >75 To 150, Add	11.13	
For >500 To 1,000, Deduct	-3.09	
For >1,000 To 2,000, Deduct	-5.97	
For >2,000 To 5,000, Deduct	-9.28	
For >5,000, Deduct	-13.30	
33 01 30 71-0016 LF 96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	118.69	
For Up To 75, Add	26.06	
For >75 To 150, Add	11.87	
For >500 To 1,000, Deduct	-3.30	
For >1,000 To 2,000, Deduct	-6.37	
For >2,000 To 5,000, Deduct	-9.90	
For >5,000, Deduct	-14.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 71-0017	LF		102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	126.11	
			For Up To 75, Add	27.69	
			For >75 To 150, Add	12.61	
			For >500 To 1,000, Deduct	-3.51	
			For >1,000 To 2,000, Deduct	-6.77	
			For >2,000 To 5,000, Deduct	-10.52	
			For >5,000, Deduct	-15.07	
33 01 30 71-0018	LF		108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	133.52	
			For Up To 75, Add	29.31	
			For >75 To 150, Add	13.35	
			For >500 To 1,000, Deduct	-3.71	
			For >1,000 To 2,000, Deduct	-7.17	
			For >2,000 To 5,000, Deduct	-11.14	
			For >5,000, Deduct	-15.96	
33 01 30 71-0019	LF		114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	140.95	
			For Up To 75, Add	30.94	
			For >75 To 150, Add	14.10	
			For >500 To 1,000, Deduct	-3.92	
			For >1,000 To 2,000, Deduct	-7.57	
			For >2,000 To 5,000, Deduct	-11.76	
			For >5,000, Deduct	-16.85	
33 01 30 71-0020	LF		120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	148.37	
			For Up To 75, Add	32.57	
			For >75 To 150, Add	14.84	
			For >500 To 1,000, Deduct	-4.13	
			For >1,000 To 2,000, Deduct	-7.96	
			For >2,000 To 5,000, Deduct	-12.38	
			For >5,000, Deduct	-17.73	
33 01 30 71-0021	SF		Structure Lining, Spray Applied With 100 mil Structural Polyurethane.....	4.73	
33 01 30 71-0022	<b>Lining Pipe, Spray Applied With 150 mil Structural Polyurethane</b> (33 01 30 71-0002)				
	Note: Two part structural polyurethane.				
33 01 30 71-0023	LF		36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	59.01	
			For Up To 75, Add	12.72	
			For >75 To 150, Add	5.90	
			For >500 To 1,000, Deduct	-1.55	
			For >1,000 To 2,000, Deduct	-3.00	
			For >2,000 To 5,000, Deduct	-4.64	
			For >5,000, Deduct	-6.82	
33 01 30 71-0024	LF		42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	68.85	
			For Up To 75, Add	14.84	
			For >75 To 150, Add	6.89	
			For >500 To 1,000, Deduct	-1.80	
			For >1,000 To 2,000, Deduct	-3.50	
			For >2,000 To 5,000, Deduct	-5.41	
			For >5,000, Deduct	-7.95	
33 01 30 71-0025	LF		48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	78.68	
			For Up To 75, Add	16.96	
			For >75 To 150, Add	7.87	
			For >500 To 1,000, Deduct	-2.06	
			For >1,000 To 2,000, Deduct	-4.00	
			For >2,000 To 5,000, Deduct	-6.18	
			For >5,000, Deduct	-9.09	
33 01 30 71-0026	LF		54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	88.52	
			For Up To 75, Add	19.08	
			For >75 To 150, Add	8.85	
			For >500 To 1,000, Deduct	-2.32	
			For >1,000 To 2,000, Deduct	-4.50	
			For >2,000 To 5,000, Deduct	-6.96	
			For >5,000, Deduct	-10.22	
33 01 30 71-0027	LF		60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	98.35	
			For Up To 75, Add	21.20	
			For >75 To 150, Add	9.84	
			For >500 To 1,000, Deduct	-2.58	
			For >1,000 To 2,000, Deduct	-5.00	
			For >2,000 To 5,000, Deduct	-7.73	
			For >5,000, Deduct	-11.36	
33 01 30 71-0028	LF		66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	108.18	
			For Up To 75, Add	23.31	
			For >75 To 150, Add	10.82	
			For >500 To 1,000, Deduct	-2.83	
			For >1,000 To 2,000, Deduct	-5.50	
			For >2,000 To 5,000, Deduct	-8.50	
			For >5,000, Deduct	-12.50	
33 01 30 71-0029	LF		72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	118.02	
			For Up To 75, Add	25.43	
			For >75 To 150, Add	11.80	
			For >500 To 1,000, Deduct	-3.09	
			For >1,000 To 2,000, Deduct	-6.00	
			For >2,000 To 5,000, Deduct	-9.28	
			For >5,000, Deduct	-13.63	
33 01 30 71-0030	LF		78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	127.86	
			For Up To 75, Add	27.55	
			For >75 To 150, Add	12.79	
			For >500 To 1,000, Deduct	-3.35	
			For >1,000 To 2,000, Deduct	-6.50	
			For >2,000 To 5,000, Deduct	-10.05	
			For >5,000, Deduct	-14.77	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0031	LF		84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	137.71	
			<i>For Up To 75, Add</i>	29.68	
			<i>For &gt;75 To 150, Add</i>	13.77	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.61	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-7.00	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-10.83	
			<i>For &gt;5,000, Deduct</i>	-15.91	
33 01 30 71-0032	LF		90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	147.53	
			<i>For Up To 75, Add</i>	31.79	
			<i>For &gt;75 To 150, Add</i>	14.75	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.87	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-7.50	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-11.60	
			<i>For &gt;5,000, Deduct</i>	-17.04	
33 01 30 71-0033	LF		96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	157.37	
			<i>For Up To 75, Add</i>	33.91	
			<i>For &gt;75 To 150, Add</i>	15.74	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.12	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-8.00	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-12.37	
			<i>For &gt;5,000, Deduct</i>	-18.18	
33 01 30 71-0034	LF		102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	167.20	
			<i>For Up To 75, Add</i>	36.03	
			<i>For &gt;75 To 150, Add</i>	16.72	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.38	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-8.50	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-13.14	
			<i>For &gt;5,000, Deduct</i>	-19.31	
33 01 30 71-0035	LF		108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	177.04	
			<i>For Up To 75, Add</i>	38.15	
			<i>For &gt;75 To 150, Add</i>	17.70	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.64	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-9.00	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-13.92	
			<i>For &gt;5,000, Deduct</i>	-20.45	
33 01 30 71-0036	LF		114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	186.87	
			<i>For Up To 75, Add</i>	40.27	
			<i>For &gt;75 To 150, Add</i>	18.69	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.90	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-9.50	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-14.69	
			<i>For &gt;5,000, Deduct</i>	-21.58	
33 01 30 71-0037	LF		120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	196.71	
			<i>For Up To 75, Add</i>	42.39	
			<i>For &gt;75 To 150, Add</i>	19.67	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.15	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-10.00	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-15.46	
			<i>For &gt;5,000, Deduct</i>	-22.72	
33 01 30 71-0038	SF		Structure Lining, Spray Applied With 150 mil Structural Polyurethane .....	6.26	
33 01 30 71-0039			Lining Pipe, Spray Applied With 200 mil Structural Polyurethane <small>(33 01 30 71-0002)</small>		
			Note: Two part structural polyurethane.		
33 01 30 71-0040	LF		36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	73.51	
			<i>For Up To 75, Add</i>	15.67	
			<i>For &gt;75 To 150, Add</i>	7.35	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.86	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-3.61	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-5.57	
			<i>For &gt;5,000, Deduct</i>	-8.31	
33 01 30 71-0041	LF		42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	85.77	
			<i>For Up To 75, Add</i>	18.28	
			<i>For &gt;75 To 150, Add</i>	8.58	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.17	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-4.22	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-6.50	
			<i>For &gt;5,000, Deduct</i>	-9.70	
33 01 30 71-0042	LF		48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	98.01	
			<i>For Up To 75, Add</i>	20.89	
			<i>For &gt;75 To 150, Add</i>	9.80	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.47	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-4.82	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-7.42	
			<i>For &gt;5,000, Deduct</i>	-11.09	
33 01 30 71-0043	LF		54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	110.26	
			<i>For Up To 75, Add</i>	23.50	
			<i>For &gt;75 To 150, Add</i>	11.03	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.78	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-5.42	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-8.35	
			<i>For &gt;5,000, Deduct</i>	-12.47	
33 01 30 71-0044	LF		60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	122.53	
			<i>For Up To 75, Add</i>	26.11	
			<i>For &gt;75 To 150, Add</i>	12.25	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.09	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-6.03	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-9.28	
			<i>For &gt;5,000, Deduct</i>	-13.86	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0045	LF		66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	134.77	
			For Up To 75, Add	28.72	
			For >75 To 150, Add	13.48	
			For >500 To 1,000, Deduct	-3.40	
			For >1,000 To 2,000, Deduct	-6.63	
			For >2,000 To 5,000, Deduct	-10.20	
			For >5,000, Deduct	-15.24	
33 01 30 71-0046	LF		72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	147.03	
			For Up To 75, Add	31.33	
			For >75 To 150, Add	14.70	
			For >500 To 1,000, Deduct	-3.71	
			For >1,000 To 2,000, Deduct	-7.23	
			For >2,000 To 5,000, Deduct	-11.13	
			For >5,000, Deduct	-16.63	
33 01 30 71-0047	LF		78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	159.27	
			For Up To 75, Add	33.94	
			For >75 To 150, Add	15.93	
			For >500 To 1,000, Deduct	-4.02	
			For >1,000 To 2,000, Deduct	-7.83	
			For >2,000 To 5,000, Deduct	-12.06	
			For >5,000, Deduct	-18.01	
33 01 30 71-0048	LF		84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	171.53	
			For Up To 75, Add	36.55	
			For >75 To 150, Add	17.15	
			For >500 To 1,000, Deduct	-4.33	
			For >1,000 To 2,000, Deduct	-8.43	
			For >2,000 To 5,000, Deduct	-12.99	
			For >5,000, Deduct	-19.40	
33 01 30 71-0049	LF		90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	183.78	
			For Up To 75, Add	39.16	
			For >75 To 150, Add	18.38	
			For >500 To 1,000, Deduct	-4.64	
			For >1,000 To 2,000, Deduct	-9.04	
			For >2,000 To 5,000, Deduct	-13.92	
			For >5,000, Deduct	-20.79	
33 01 30 71-0050	LF		96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	196.03	
			For Up To 75, Add	41.77	
			For >75 To 150, Add	19.60	
			For >500 To 1,000, Deduct	-4.95	
			For >1,000 To 2,000, Deduct	-9.64	
			For >2,000 To 5,000, Deduct	-14.84	
			For >5,000, Deduct	-22.17	
33 01 30 71-0051	LF		102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	208.29	
			For Up To 75, Add	44.39	
			For >75 To 150, Add	20.83	
			For >500 To 1,000, Deduct	-5.26	
			For >1,000 To 2,000, Deduct	-10.24	
			For >2,000 To 5,000, Deduct	-15.77	
			For >5,000, Deduct	-23.56	
33 01 30 71-0052	LF		108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	220.54	
			For Up To 75, Add	47.00	
			For >75 To 150, Add	22.05	
			For >500 To 1,000, Deduct	-5.57	
			For >1,000 To 2,000, Deduct	-10.84	
			For >2,000 To 5,000, Deduct	-16.70	
			For >5,000, Deduct	-24.94	
33 01 30 71-0053	LF		114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	232.79	
			For Up To 75, Add	49.61	
			For >75 To 150, Add	23.28	
			For >500 To 1,000, Deduct	-5.88	
			For >1,000 To 2,000, Deduct	-11.45	
			For >2,000 To 5,000, Deduct	-17.63	
			For >5,000, Deduct	-26.33	
33 01 30 71-0054	LF		120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	245.04	
			For Up To 75, Add	52.22	
			For >75 To 150, Add	24.50	
			For >500 To 1,000, Deduct	-6.19	
			For >1,000 To 2,000, Deduct	-12.05	
			For >2,000 To 5,000, Deduct	-18.56	
			For >5,000, Deduct	-27.71	
33 01 30 71-0055	SF		Structure Lining, Spray Applied With 200 mil Structural Polyurethane.....	7.81	
<b>33 01 30 71-0056</b>			<b>Lining Pipe, Spray Applied With 250 mil Structural Polyurethane</b> (33 01 30 71-0002)		
			Note: Two part structural polyurethane.		
33 01 30 71-0057	LF		36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	88.09	
			For Up To 75, Add	18.63	
			For >75 To 150, Add	8.81	
			For >500 To 1,000, Deduct	-2.17	
			For >1,000 To 2,000, Deduct	-4.23	
			For >2,000 To 5,000, Deduct	-6.50	
			For >5,000, Deduct	-9.82	
33 01 30 71-0058	LF		42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	102.77	
			For Up To 75, Add	21.74	
			For >75 To 150, Add	10.28	
			For >500 To 1,000, Deduct	-2.53	
			For >1,000 To 2,000, Deduct	-4.94	
			For >2,000 To 5,000, Deduct	-7.59	
			For >5,000, Deduct	-11.46	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0059	LF		48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	117.45	
			<i>For Up To 75, Add</i>	24.84	
			<i>For &gt;75 To 150, Add</i>	11.75	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.89	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-5.64	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-8.67	
			<i>For &gt;5,000, Deduct</i>	-13.10	
33 01 30 71-0060	LF		54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	132.14	
			<i>For Up To 75, Add</i>	27.95	
			<i>For &gt;75 To 150, Add</i>	13.21	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.25	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-6.35	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-9.75	
			<i>For &gt;5,000, Deduct</i>	-14.74	
33 01 30 71-0061	LF		60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	146.82	
			<i>For Up To 75, Add</i>	31.05	
			<i>For &gt;75 To 150, Add</i>	14.68	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.61	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-7.06	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-10.84	
			<i>For &gt;5,000, Deduct</i>	-16.37	
33 01 30 71-0062	LF		66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	161.50	
			<i>For Up To 75, Add</i>	34.16	
			<i>For &gt;75 To 150, Add</i>	16.15	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.97	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-7.76	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-11.92	
			<i>For &gt;5,000, Deduct</i>	-18.01	
33 01 30 71-0063	LF		72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	176.18	
			<i>For Up To 75, Add</i>	37.26	
			<i>For &gt;75 To 150, Add</i>	17.62	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.33	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-8.47	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-13.00	
			<i>For &gt;5,000, Deduct</i>	-19.65	
33 01 30 71-0064	LF		78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	190.85	
			<i>For Up To 75, Add</i>	40.37	
			<i>For &gt;75 To 150, Add</i>	19.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.70	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-9.17	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-14.09	
			<i>For &gt;5,000, Deduct</i>	-21.28	
33 01 30 71-0065	LF		84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	205.54	
			<i>For Up To 75, Add</i>	43.47	
			<i>For &gt;75 To 150, Add</i>	20.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.06	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-9.88	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-15.17	
			<i>For &gt;5,000, Deduct</i>	-22.92	
33 01 30 71-0066	LF		90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	220.23	
			<i>For Up To 75, Add</i>	46.58	
			<i>For &gt;75 To 150, Add</i>	22.02	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.42	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-10.58	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-16.26	
			<i>For &gt;5,000, Deduct</i>	-24.56	
33 01 30 71-0067	LF		96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	234.91	
			<i>For Up To 75, Add</i>	49.69	
			<i>For &gt;75 To 150, Add</i>	23.49	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.78	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-11.29	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-17.34	
			<i>For &gt;5,000, Deduct</i>	-26.20	
33 01 30 71-0068	LF		102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	249.58	
			<i>For Up To 75, Add</i>	52.79	
			<i>For &gt;75 To 150, Add</i>	24.96	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.14	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-11.99	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-18.42	
			<i>For &gt;5,000, Deduct</i>	-27.83	
33 01 30 71-0069	LF		108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	264.26	
			<i>For Up To 75, Add</i>	55.89	
			<i>For &gt;75 To 150, Add</i>	26.43	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.50	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-12.70	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-19.51	
			<i>For &gt;5,000, Deduct</i>	-29.47	
33 01 30 71-0070	LF		114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	278.95	
			<i>For Up To 75, Add</i>	59.00	
			<i>For &gt;75 To 150, Add</i>	27.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.86	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-13.41	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-20.59	
			<i>For &gt;5,000, Deduct</i>	-31.11	
33 01 30 71-0071	LF		120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	293.63	
			<i>For Up To 75, Add</i>	62.11	
			<i>For &gt;75 To 150, Add</i>	29.36	
			<i>For &gt;500 To 1,000, Deduct</i>	-7.22	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-14.11	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-21.67	
			<i>For &gt;5,000, Deduct</i>	-32.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 71-0072	SF		Structure Lining, Spray Applied With 250 mil Structural Polyurethane.....	9.36	
<b>33 01 30 71-0073 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane (33 01 30 71-0002)</b>					
Note: Two part structural polyurethane.					
33 01 30 71-0074	LF		36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	102.77	
			For Up To 75, Add	21.62	
			For >75 To 150, Add	10.28	
			For >500 To 1,000, Deduct	-2.48	
			For >1,000 To 2,000, Deduct	-4.86	
			For >2,000 To 5,000, Deduct	-7.45	
			For >5,000, Deduct	-11.34	
33 01 30 71-0075	LF		42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	119.90	
			For Up To 75, Add	25.23	
			For >75 To 150, Add	11.99	
			For >500 To 1,000, Deduct	-2.90	
			For >1,000 To 2,000, Deduct	-5.67	
			For >2,000 To 5,000, Deduct	-8.69	
			For >5,000, Deduct	-13.24	
33 01 30 71-0076	LF		48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	137.03	
			For Up To 75, Add	28.83	
			For >75 To 150, Add	13.70	
			For >500 To 1,000, Deduct	-3.31	
			For >1,000 To 2,000, Deduct	-6.48	
			For >2,000 To 5,000, Deduct	-9.93	
			For >5,000, Deduct	-15.13	
33 01 30 71-0077	LF		54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	154.16	
			For Up To 75, Add	32.43	
			For >75 To 150, Add	15.42	
			For >500 To 1,000, Deduct	-3.72	
			For >1,000 To 2,000, Deduct	-7.29	
			For >2,000 To 5,000, Deduct	-11.17	
			For >5,000, Deduct	-17.02	
33 01 30 71-0078	LF		60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	171.29	
			For Up To 75, Add	36.04	
			For >75 To 150, Add	17.13	
			For >500 To 1,000, Deduct	-4.14	
			For >1,000 To 2,000, Deduct	-8.10	
			For >2,000 To 5,000, Deduct	-12.41	
			For >5,000, Deduct	-18.91	
33 01 30 71-0079	LF		66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	188.41	
			For Up To 75, Add	39.64	
			For >75 To 150, Add	18.84	
			For >500 To 1,000, Deduct	-4.55	
			For >1,000 To 2,000, Deduct	-8.91	
			For >2,000 To 5,000, Deduct	-13.65	
			For >5,000, Deduct	-20.80	
33 01 30 71-0080	LF		72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	205.54	
			For Up To 75, Add	43.24	
			For >75 To 150, Add	20.55	
			For >500 To 1,000, Deduct	-4.96	
			For >1,000 To 2,000, Deduct	-9.72	
			For >2,000 To 5,000, Deduct	-14.89	
			For >5,000, Deduct	-22.69	
33 01 30 71-0081	LF		78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	222.67	
			For Up To 75, Add	46.85	
			For >75 To 150, Add	22.27	
			For >500 To 1,000, Deduct	-5.38	
			For >1,000 To 2,000, Deduct	-10.53	
			For >2,000 To 5,000, Deduct	-16.14	
			For >5,000, Deduct	-24.58	
33 01 30 71-0082	LF		84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	239.79	
			For Up To 75, Add	50.45	
			For >75 To 150, Add	23.98	
			For >500 To 1,000, Deduct	-5.79	
			For >1,000 To 2,000, Deduct	-11.33	
			For >2,000 To 5,000, Deduct	-17.38	
			For >5,000, Deduct	-26.47	
33 01 30 71-0083	LF		90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	256.92	
			For Up To 75, Add	54.05	
			For >75 To 150, Add	25.69	
			For >500 To 1,000, Deduct	-6.21	
			For >1,000 To 2,000, Deduct	-12.14	
			For >2,000 To 5,000, Deduct	-18.62	
			For >5,000, Deduct	-28.36	
33 01 30 71-0084	LF		96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	274.05	
			For Up To 75, Add	57.66	
			For >75 To 150, Add	27.41	
			For >500 To 1,000, Deduct	-6.62	
			For >1,000 To 2,000, Deduct	-12.95	
			For >2,000 To 5,000, Deduct	-19.86	
			For >5,000, Deduct	-30.25	
33 01 30 71-0085	LF		102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	291.18	
			For Up To 75, Add	61.26	
			For >75 To 150, Add	29.12	
			For >500 To 1,000, Deduct	-7.03	
			For >1,000 To 2,000, Deduct	-13.76	
			For >2,000 To 5,000, Deduct	-21.10	
			For >5,000, Deduct	-32.14	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0086	LF		108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	308.30	
			For Up To 75, Add	64.86	
			For >75 To 150, Add	30.83	
			For >500 To 1,000, Deduct	-7.45	
			For >1,000 To 2,000, Deduct	-14.57	
			For >2,000 To 5,000, Deduct	-22.34	
			For >5,000, Deduct	-34.03	
33 01 30 71-0087	LF		114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	325.43	
			For Up To 75, Add	68.47	
			For >75 To 150, Add	32.54	
			For >500 To 1,000, Deduct	-7.86	
			For >1,000 To 2,000, Deduct	-15.38	
			For >2,000 To 5,000, Deduct	-23.58	
			For >5,000, Deduct	-35.92	
33 01 30 71-0088	LF		120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	342.57	
			For Up To 75, Add	72.07	
			For >75 To 150, Add	34.26	
			For >500 To 1,000, Deduct	-8.27	
			For >1,000 To 2,000, Deduct	-16.19	
			For >2,000 To 5,000, Deduct	-24.82	
			For >5,000, Deduct	-37.81	
33 01 30 71-0089	SF		Structure Lining, Spray Applied With 300 mil Structural Polyurethane .....	10.90	
<b>33 01 30 71-0090</b>			<b>Lining Pipe, Spray Applied With 400 mil Structural Polyurethane</b> <small>(33 01 30 71-0002)</small>		
			Note: Two part structural polyurethane.		
33 01 30 71-0091	LF		36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	132.22	
			For Up To 75, Add	27.63	
			For >75 To 150, Add	13.22	
			For >500 To 1,000, Deduct	-3.12	
			For >1,000 To 2,000, Deduct	-6.12	
			For >2,000 To 5,000, Deduct	-9.36	
			For >5,000, Deduct	-14.41	
33 01 30 71-0092	LF		42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	154.26	
			For Up To 75, Add	32.24	
			For >75 To 150, Add	15.43	
			For >500 To 1,000, Deduct	-3.64	
			For >1,000 To 2,000, Deduct	-7.14	
			For >2,000 To 5,000, Deduct	-10.92	
			For >5,000, Deduct	-16.81	
33 01 30 71-0093	LF		48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	176.28	
			For Up To 75, Add	36.84	
			For >75 To 150, Add	17.63	
			For >500 To 1,000, Deduct	-4.16	
			For >1,000 To 2,000, Deduct	-8.16	
			For >2,000 To 5,000, Deduct	-12.47	
			For >5,000, Deduct	-19.21	
33 01 30 71-0094	LF		54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	198.33	
			For Up To 75, Add	41.45	
			For >75 To 150, Add	19.83	
			For >500 To 1,000, Deduct	-4.68	
			For >1,000 To 2,000, Deduct	-9.18	
			For >2,000 To 5,000, Deduct	-14.03	
			For >5,000, Deduct	-21.61	
33 01 30 71-0095	LF		60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	220.36	
			For Up To 75, Add	46.05	
			For >75 To 150, Add	22.04	
			For >500 To 1,000, Deduct	-5.20	
			For >1,000 To 2,000, Deduct	-10.20	
			For >2,000 To 5,000, Deduct	-15.59	
			For >5,000, Deduct	-24.01	
33 01 30 71-0096	LF		66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	242.40	
			For Up To 75, Add	50.65	
			For >75 To 150, Add	24.24	
			For >500 To 1,000, Deduct	-5.72	
			For >1,000 To 2,000, Deduct	-11.22	
			For >2,000 To 5,000, Deduct	-17.15	
			For >5,000, Deduct	-26.41	
33 01 30 71-0097	LF		72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	264.43	
			For Up To 75, Add	55.26	
			For >75 To 150, Add	26.44	
			For >500 To 1,000, Deduct	-6.24	
			For >1,000 To 2,000, Deduct	-12.24	
			For >2,000 To 5,000, Deduct	-18.71	
			For >5,000, Deduct	-28.81	
33 01 30 71-0098	LF		78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	286.47	
			For Up To 75, Add	59.86	
			For >75 To 150, Add	28.65	
			For >500 To 1,000, Deduct	-6.76	
			For >1,000 To 2,000, Deduct	-13.26	
			For >2,000 To 5,000, Deduct	-20.27	
			For >5,000, Deduct	-31.22	
33 01 30 71-0099	LF		84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	308.50	
			For Up To 75, Add	64.47	
			For >75 To 150, Add	30.85	
			For >500 To 1,000, Deduct	-7.28	
			For >1,000 To 2,000, Deduct	-14.28	
			For >2,000 To 5,000, Deduct	-21.83	
			For >5,000, Deduct	-33.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0100	LF		90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	330.55	
			For Up To 75, Add	69.08	
			For >75 To 150, Add	33.06	
			For >500 To 1,000, Deduct	-7.80	
			For >1,000 To 2,000, Deduct	-15.30	
			For >2,000 To 5,000, Deduct	-23.39	
			For >5,000, Deduct	-36.02	
33 01 30 71-0101	LF		96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	352.57	
			For Up To 75, Add	73.68	
			For >75 To 150, Add	35.26	
			For >500 To 1,000, Deduct	-8.32	
			For >1,000 To 2,000, Deduct	-16.32	
			For >2,000 To 5,000, Deduct	-24.95	
			For >5,000, Deduct	-38.42	
33 01 30 71-0102	LF		102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	374.61	
			For Up To 75, Add	78.28	
			For >75 To 150, Add	37.46	
			For >500 To 1,000, Deduct	-8.84	
			For >1,000 To 2,000, Deduct	-17.34	
			For >2,000 To 5,000, Deduct	-26.51	
			For >5,000, Deduct	-40.82	
33 01 30 71-0103	LF		108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	396.65	
			For Up To 75, Add	82.89	
			For >75 To 150, Add	39.67	
			For >500 To 1,000, Deduct	-9.36	
			For >1,000 To 2,000, Deduct	-18.36	
			For >2,000 To 5,000, Deduct	-28.07	
			For >5,000, Deduct	-43.22	
33 01 30 71-0104	LF		114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	418.69	
			For Up To 75, Add	87.49	
			For >75 To 150, Add	41.87	
			For >500 To 1,000, Deduct	-9.88	
			For >1,000 To 2,000, Deduct	-19.38	
			For >2,000 To 5,000, Deduct	-29.63	
			For >5,000, Deduct	-45.62	
33 01 30 71-0105	LF		120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	440.71	
			For Up To 75, Add	92.09	
			For >75 To 150, Add	44.07	
			For >500 To 1,000, Deduct	-10.40	
			For >1,000 To 2,000, Deduct	-20.40	
			For >2,000 To 5,000, Deduct	-31.19	
			For >5,000, Deduct	-48.02	
33 01 30 71-0106	SF		Structure Lining, Spray Applied With 400 mil Structural Polyurethane.....	14.03	
<b>33 01 30 71-0107 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane (33 01 30 71-0002)</b>					
Note: Two part structural polyurethane.					
33 01 30 71-0108	LF		36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	161.97	
			For Up To 75, Add	33.71	
			For >75 To 150, Add	16.20	
			For >500 To 1,000, Deduct	-3.77	
			For >1,000 To 2,000, Deduct	-7.40	
			For >2,000 To 5,000, Deduct	-11.30	
			For >5,000, Deduct	-17.51	
33 01 30 71-0109	LF		42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	188.97	
			For Up To 75, Add	39.33	
			For >75 To 150, Add	18.90	
			For >500 To 1,000, Deduct	-4.39	
			For >1,000 To 2,000, Deduct	-8.63	
			For >2,000 To 5,000, Deduct	-13.18	
			For >5,000, Deduct	-20.43	
33 01 30 71-0110	LF		48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	215.97	
			For Up To 75, Add	44.95	
			For >75 To 150, Add	21.60	
			For >500 To 1,000, Deduct	-5.02	
			For >1,000 To 2,000, Deduct	-9.87	
			For >2,000 To 5,000, Deduct	-15.07	
			For >5,000, Deduct	-23.35	
33 01 30 71-0111	LF		54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	242.96	
			For Up To 75, Add	50.57	
			For >75 To 150, Add	24.30	
			For >500 To 1,000, Deduct	-5.65	
			For >1,000 To 2,000, Deduct	-11.10	
			For >2,000 To 5,000, Deduct	-16.95	
			For >5,000, Deduct	-26.27	
33 01 30 71-0112	LF		60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	269.96	
			For Up To 75, Add	56.19	
			For >75 To 150, Add	27.00	
			For >500 To 1,000, Deduct	-6.28	
			For >1,000 To 2,000, Deduct	-12.34	
			For >2,000 To 5,000, Deduct	-18.83	
			For >5,000, Deduct	-29.19	
33 01 30 71-0113	LF		66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	296.95	
			For Up To 75, Add	61.81	
			For >75 To 150, Add	29.70	
			For >500 To 1,000, Deduct	-6.91	
			For >1,000 To 2,000, Deduct	-13.57	
			For >2,000 To 5,000, Deduct	-20.72	
			For >5,000, Deduct	-32.11	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0114	LF		72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	323.95	
			For Up To 75, Add	67.43	
			For >75 To 150, Add	32.40	
			For >500 To 1,000, Deduct	-7.53	
			For >1,000 To 2,000, Deduct	-14.80	
			For >2,000 To 5,000, Deduct	-22.60	
			For >5,000, Deduct	-35.03	
33 01 30 71-0115	LF		78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	350.94	
			For Up To 75, Add	73.04	
			For >75 To 150, Add	35.09	
			For >500 To 1,000, Deduct	-8.16	
			For >1,000 To 2,000, Deduct	-16.04	
			For >2,000 To 5,000, Deduct	-24.48	
			For >5,000, Deduct	-37.95	
33 01 30 71-0116	LF		84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	377.94	
			For Up To 75, Add	78.66	
			For >75 To 150, Add	37.79	
			For >500 To 1,000, Deduct	-8.79	
			For >1,000 To 2,000, Deduct	-17.27	
			For >2,000 To 5,000, Deduct	-26.37	
			For >5,000, Deduct	-40.87	
33 01 30 71-0117	LF		90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	404.94	
			For Up To 75, Add	84.28	
			For >75 To 150, Add	40.49	
			For >500 To 1,000, Deduct	-9.42	
			For >1,000 To 2,000, Deduct	-18.50	
			For >2,000 To 5,000, Deduct	-28.25	
			For >5,000, Deduct	-43.79	
33 01 30 71-0118	LF		96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	431.93	
			For Up To 75, Add	89.90	
			For >75 To 150, Add	43.19	
			For >500 To 1,000, Deduct	-10.04	
			For >1,000 To 2,000, Deduct	-19.74	
			For >2,000 To 5,000, Deduct	-30.13	
			For >5,000, Deduct	-46.71	
33 01 30 71-0119	LF		102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	458.93	
			For Up To 75, Add	95.52	
			For >75 To 150, Add	45.89	
			For >500 To 1,000, Deduct	-10.67	
			For >1,000 To 2,000, Deduct	-20.97	
			For >2,000 To 5,000, Deduct	-32.02	
			For >5,000, Deduct	-49.63	
33 01 30 71-0120	LF		108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	485.92	
			For Up To 75, Add	101.14	
			For >75 To 150, Add	48.59	
			For >500 To 1,000, Deduct	-11.30	
			For >1,000 To 2,000, Deduct	-22.20	
			For >2,000 To 5,000, Deduct	-33.90	
			For >5,000, Deduct	-52.54	
33 01 30 71-0121	LF		114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	512.92	
			For Up To 75, Add	106.76	
			For >75 To 150, Add	51.29	
			For >500 To 1,000, Deduct	-11.93	
			For >1,000 To 2,000, Deduct	-23.44	
			For >2,000 To 5,000, Deduct	-35.78	
			For >5,000, Deduct	-55.46	
33 01 30 71-0122	LF		120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	539.92	
			For Up To 75, Add	112.38	
			For >75 To 150, Add	53.99	
			For >500 To 1,000, Deduct	-12.56	
			For >1,000 To 2,000, Deduct	-24.67	
			For >2,000 To 5,000, Deduct	-37.67	
			For >5,000, Deduct	-58.38	
33 01 30 71-0123	SF		Structure Lining, Spray Applied With 500 mil Structural Polyurethane.....	17.19	

**33 01 30 72 Cured-in-Place Pipe Lining (33 01 30)**

33 01 30 72-0001			<b>Cured-In-Place Pipe (CIPP) Relining Underground Pipelines (33 01 30 72)</b>		
			Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 72-0002			<b>Cured In-Place Pipe (CIPP) Lining Set-Up And Reinsertion (33 01 30 72-0001)</b>		
33 01 30 72-0003	EA		Initial Set Up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,368.28	
33 01 30 72-0004	EA		Initial Set Up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	2,280.45	
33 01 30 72-0005	EA		Initial Set Up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	3,420.68	
33 01 30 72-0006	EA		Initial Set Up And Final Equipment Removal For Relining Underground Pipelines Cured In-Place Pipe (CIPP).....	4,560.92	
33 01 30 72-0007	EA		Move And Reset Up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....	684.13	
33 01 30 72-0008	EA		Move And Reset Up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,140.23	
33 01 30 72-0009	EA		Move And Reset Up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,425.29	
33 01 30 72-0010	EA		Move And Reset Up At Different Access/Location For Relining Underground Pipelines Cured In-Place Pipe (CIPP).....	1,824.36	
33 01 30 72-0011	EA		Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,140.23	
			Note: Need to mix wet material in bag prior to installation.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0012	EA		Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	2,736.55	
			Note: Need to mix wet material in bag prior to installation.		
33 01 30 72-0013	EA		Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	4,560.92	
			Note: Need to mix wet material in bag prior to installation.		
33 01 30 72-0014	EA		Mixing Truck And Refrigeration For Relining >48" To 72" Underground Pipelines Cured In-Place Pipe (CIPP).....	6,841.37	
			Note: Need to mix wet material in bag prior to installation.		
<b>33 01 30 72-0015</b>			<b>Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP)</b>		
			<small>(33 01 30 72-0001)</small>		
			Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting.		
<b>33 01 30 72-0016</b>			<b>4.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0017	LF		4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	17.61	
			For Vinlyester Resin, Add	3.95	
			For Epoxy Resin, Add	0.47	
			For Up To >10, Add	38.73	
			For >10 To 25, Add	31.34	
			For >25 To 50, Add	19.08	
			For >50 To 100, Add	9.54	
			For >500 To 1,000, Deduct	-1.18	
			For >1,000 To 2,000, Deduct	-1.92	
			For >2,000 To 5,000, Deduct	-3.67	
			For >5,000, Deduct	-5.92	
33 01 30 72-0018	LF		4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	20.70	
			For Vinlyester Resin, Add	6.11	
			For Epoxy Resin, Add	0.72	
			For Up To >10, Add	40.28	
			For >10 To 25, Add	32.11	
			For >25 To 50, Add	19.70	
			For >50 To 100, Add	9.85	
			For >500 To 1,000, Deduct	-1.33	
			For >1,000 To 2,000, Deduct	-2.15	
			For >2,000 To 5,000, Deduct	-4.04	
			For >5,000, Deduct	-6.53	
33 01 30 72-0019	LF		4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	23.80	
			For Vinlyester Resin, Add	8.28	
			For Epoxy Resin, Add	0.98	
			For Up To >10, Add	41.83	
			For >10 To 25, Add	32.88	
			For >25 To 50, Add	20.32	
			For >50 To 100, Add	10.16	
			For >500 To 1,000, Deduct	-1.49	
			For >1,000 To 2,000, Deduct	-2.38	
			For >2,000 To 5,000, Deduct	-4.41	
			For >5,000, Deduct	-7.15	
33 01 30 72-0020	LF		4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	31.12	
			For Vinlyester Resin, Add	12.61	
			For Epoxy Resin, Add	1.49	
			For Up To >10, Add	48.34	
			For >10 To 25, Add	37.28	
			For >25 To 50, Add	23.27	
			For >50 To 100, Add	11.63	
			For >500 To 1,000, Deduct	-1.88	
			For >1,000 To 2,000, Deduct	-2.99	
			For >2,000 To 5,000, Deduct	-5.44	
			For >5,000, Deduct	-8.85	
33 01 30 72-0021	LF		4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	38.46	
			For Vinlyester Resin, Add	16.94	
			For Epoxy Resin, Add	2.00	
			For Up To >10, Add	54.88	
			For >10 To 25, Add	41.70	
			For >25 To 50, Add	26.23	
			For >50 To 100, Add	13.12	
			For >500 To 1,000, Deduct	-2.28	
			For >1,000 To 2,000, Deduct	-3.60	
			For >2,000 To 5,000, Deduct	-6.47	
			For >5,000, Deduct	-10.54	
<b>33 01 30 72-0022</b>			<b>6mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0023	LF		6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	23.37	
			For Vinlyester Resin, Add	7.98	
			For Epoxy Resin, Add	0.94	
			For Up To >10, Add	41.61	
			For >10 To 25, Add	32.78	
			For >25 To 50, Add	20.24	
			For >50 To 100, Add	10.12	
			For >500 To 1,000, Deduct	-1.47	
			For >1,000 To 2,000, Deduct	-2.35	
			For >2,000 To 5,000, Deduct	-4.36	
			For >5,000, Deduct	-7.07	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0024	LF		6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	27.49	
			For Vinylster Resin, Add	10.86	
			For Epoxy Resin, Add	1.28	
			For Up To >10, Add	43.67	
			For >10 To 25, Add	33.81	
			For >25 To 50, Add	21.06	
			For >50 To 100, Add	10.53	
			For >500 To 1,000, Deduct	-1.67	
			For >1,000 To 2,000, Deduct	-2.66	
			For >2,000 To 5,000, Deduct	-4.85	
			For >5,000, Deduct	-7.89	
33 01 30 72-0025	LF		6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	36.88	
			For Vinylster Resin, Add	16.64	
			For Epoxy Resin, Add	1.96	
			For Up To >10, Add	51.22	
			For >10 To 25, Add	38.72	
			For >25 To 50, Add	24.42	
			For >50 To 100, Add	12.21	
			For >500 To 1,000, Deduct	-2.17	
			For >1,000 To 2,000, Deduct	-3.42	
			For >2,000 To 5,000, Deduct	-6.13	
			For >5,000, Deduct	-10.00	
33 01 30 72-0026	LF		6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	46.28	
			For Vinylster Resin, Add	22.41	
			For Epoxy Resin, Add	2.64	
			For Up To >10, Add	58.79	
			For >10 To 25, Add	43.66	
			For >25 To 50, Add	27.79	
			For >50 To 100, Add	13.90	
			For >500 To 1,000, Deduct	-2.67	
			For >1,000 To 2,000, Deduct	-4.18	
			For >2,000 To 5,000, Deduct	-7.41	
			For >5,000, Deduct	-12.11	
33 01 30 72-0027	LF		6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	55.78	
			For Vinylster Resin, Add	28.19	
			For Epoxy Resin, Add	3.32	
			For Up To >10, Add	66.67	
			For >10 To 25, Add	48.84	
			For >25 To 50, Add	31.32	
			For >50 To 100, Add	15.66	
			For >500 To 1,000, Deduct	-3.18	
			For >1,000 To 2,000, Deduct	-4.96	
			For >2,000 To 5,000, Deduct	-8.71	
			For >5,000, Deduct	-14.26	
33 01 30 72-0028	LF		6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	65.63	
			For Vinylster Resin, Add	33.96	
			For Epoxy Resin, Add	4.00	
			For Up To >10, Add	75.59	
			For >10 To 25, Add	54.91	
			For >25 To 50, Add	35.37	
			For >50 To 100, Add	17.68	
			For >500 To 1,000, Deduct	-3.71	
			For >1,000 To 2,000, Deduct	-5.78	
			For >2,000 To 5,000, Deduct	-10.10	
			For >5,000, Deduct	-16.55	
33 01 30 72-0029			<b>7.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small> .....		
33 01 30 72-0030	LF		7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	31.07	
			For Vinylster Resin, Add	13.37	
			For Epoxy Resin, Add	1.58	
			For Up To >10, Add	45.46	
			For >10 To 25, Add	34.70	
			For >25 To 50, Add	21.78	
			For >50 To 100, Add	10.89	
			For >500 To 1,000, Deduct	-1.85	
			For >1,000 To 2,000, Deduct	-2.93	
			For >2,000 To 5,000, Deduct	-5.28	
			For >5,000, Deduct	-8.61	
33 01 30 72-0031	LF		7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	42.52	
			For Vinylster Resin, Add	20.59	
			For Epoxy Resin, Add	2.43	
			For Up To >10, Add	54.04	
			For >10 To 25, Add	40.13	
			For >25 To 50, Add	25.55	
			For >50 To 100, Add	12.77	
			For >500 To 1,000, Deduct	-2.45	
			For >1,000 To 2,000, Deduct	-3.84	
			For >2,000 To 5,000, Deduct	-6.81	
			For >5,000, Deduct	-11.13	
33 01 30 72-0032	LF		7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	53.99	
			For Vinylster Resin, Add	27.81	
			For Epoxy Resin, Add	3.28	
			For Up To >10, Add	62.65	
			For >10 To 25, Add	45.58	
			For >25 To 50, Add	29.34	
			For >50 To 100, Add	14.67	
			For >500 To 1,000, Deduct	-3.06	
			For >1,000 To 2,000, Deduct	-4.76	
			For >2,000 To 5,000, Deduct	-8.33	
			For >5,000, Deduct	-13.65	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0033	LF		7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	65.55	
			For Vinylster Resin, Add	35.03	
			For Epoxy Resin, Add	4.13	
			For Up To >10, Add	71.55	
			For >10 To 25, Add	51.29	
			For >25 To 50, Add	33.27	
			For >50 To 100, Add	16.64	
			For >500 To 1,000, Deduct	-3.67	
			For >1,000 To 2,000, Deduct	-5.69	
			For >2,000 To 5,000, Deduct	-9.88	
			For >5,000, Deduct	-16.21	
33 01 30 72-0034	LF		7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	77.46	
			For Vinylster Resin, Add	42.25	
			For Epoxy Resin, Add	4.98	
			For Up To >10, Add	81.51	
			For >10 To 25, Add	57.86	
			For >25 To 50, Add	37.74	
			For >50 To 100, Add	18.87	
			For >500 To 1,000, Deduct	-4.30	
			For >1,000 To 2,000, Deduct	-6.67	
			For >2,000 To 5,000, Deduct	-11.52	
			For >5,000, Deduct	-18.91	
33 01 30 72-0035	LF		7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	95.20	
			For Vinylster Resin, Add	53.07	
			For Epoxy Resin, Add	6.26	
			For Up To >10, Add	96.05	
			For >10 To 25, Add	67.41	
			For >25 To 50, Add	44.23	
			For >50 To 100, Add	22.12	
			For >500 To 1,000, Deduct	-5.24	
			For >1,000 To 2,000, Deduct	-8.11	
			For >2,000 To 5,000, Deduct	-13.94	
			For >5,000, Deduct	-22.92	
33 01 30 72-0036	LF		7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	113.18	
			For Vinylster Resin, Add	63.90	
			For Epoxy Resin, Add	7.53	
			For Up To >10, Add	111.34	
			For >10 To 25, Add	77.57	
			For >25 To 50, Add	51.11	
			For >50 To 100, Add	25.55	
			For >500 To 1,000, Deduct	-6.21	
			For >1,000 To 2,000, Deduct	-9.58	
			For >2,000 To 5,000, Deduct	-16.43	
			For >5,000, Deduct	-27.02	
<b>33 01 30 72-0037</b>			<b>9mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0038	LF		9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	48.04	
			For Vinylster Resin, Add	24.45	
			For Epoxy Resin, Add	2.88	
			For Up To >10, Add	56.80	
			For >10 To 25, Add	41.51	
			For >25 To 50, Add	26.65	
			For >50 To 100, Add	13.33	
			For >500 To 1,000, Deduct	-2.73	
			For >1,000 To 2,000, Deduct	-4.26	
			For >2,000 To 5,000, Deduct	-7.47	
			For >5,000, Deduct	-12.23	
33 01 30 72-0039	LF		9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	61.56	
			For Vinylster Resin, Add	33.11	
			For Epoxy Resin, Add	3.90	
			For Up To >10, Add	66.43	
			For >10 To 25, Add	47.48	
			For >25 To 50, Add	30.85	
			For >50 To 100, Add	15.43	
			For >500 To 1,000, Deduct	-3.43	
			For >1,000 To 2,000, Deduct	-5.33	
			For >2,000 To 5,000, Deduct	-9.24	
			For >5,000, Deduct	-15.16	
33 01 30 72-0040	LF		9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	75.19	
			For Vinylster Resin, Add	41.78	
			For Epoxy Resin, Add	4.92	
			For Up To >10, Add	76.37	
			For >10 To 25, Add	53.70	
			For >25 To 50, Add	35.20	
			For >50 To 100, Add	17.60	
			For >500 To 1,000, Deduct	-4.15	
			For >1,000 To 2,000, Deduct	-6.41	
			For >2,000 To 5,000, Deduct	-11.04	
			For >5,000, Deduct	-18.14	
33 01 30 72-0041	LF		9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	89.16	
			For Vinylster Resin, Add	50.44	
			For Epoxy Resin, Add	5.94	
			For Up To >10, Add	87.36	
			For >10 To 25, Add	60.79	
			For >25 To 50, Add	40.08	
			For >50 To 100, Add	20.04	
			For >500 To 1,000, Deduct	-4.89	
			For >1,000 To 2,000, Deduct	-7.54	
			For >2,000 To 5,000, Deduct	-12.92	
			For >5,000, Deduct	-21.25	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0042	LF 9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	109.99	
	For Vinylester Resin, Add	63.43	
	For Epoxy Resin, Add	7.48	
	For Up To >10, Add	103.45	
	For >10 To 25, Add	71.10	
	For >25 To 50, Add	47.19	
	For >50 To 100, Add	23.60	
	For >500 To 1,000, Deduct	-5.98	
	For >1,000 To 2,000, Deduct	-9.22	
	For >2,000 To 5,000, Deduct	-15.72	
	For >5,000, Deduct	-25.87	
33 01 30 72-0043	LF 9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	131.07	
	For Vinylester Resin, Add	76.42	
	For Epoxy Resin, Add	9.01	
	For Up To >10, Add	120.29	
	For >10 To 25, Add	82.04	
	For >25 To 50, Add	54.68	
	For >50 To 100, Add	27.34	
	For >500 To 1,000, Deduct	-7.10	
	For >1,000 To 2,000, Deduct	-10.93	
	For >2,000 To 5,000, Deduct	-18.58	
	For >5,000, Deduct	-30.59	
33 01 30 72-0044	LF 9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	151.45	
	For Vinylester Resin, Add	89.41	
	For Epoxy Resin, Add	10.54	
	For Up To >10, Add	135.03	
	For >10 To 25, Add	91.23	
	For >25 To 50, Add	61.13	
	For >50 To 100, Add	30.56	
	For >500 To 1,000, Deduct	-8.17	
	For >1,000 To 2,000, Deduct	-12.54	
	For >2,000 To 5,000, Deduct	-21.26	
	For >5,000, Deduct	-35.03	
33 01 30 72-0045	LF 9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	172.18	
	For Vinylester Resin, Add	102.41	
	For Epoxy Resin, Add	12.07	
	For Up To >10, Add	150.79	
	For >10 To 25, Add	101.28	
	For >25 To 50, Add	68.08	
	For >50 To 100, Add	34.04	
	For >500 To 1,000, Deduct	-9.26	
	For >1,000 To 2,000, Deduct	-14.21	
	For >2,000 To 5,000, Deduct	-24.03	
	For >5,000, Deduct	-39.61	
<b>33 01 30 72-0046</b>	<b>10.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0047	LF 10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	124.67	
	For Vinylester Resin, Add	73.70	
	For Epoxy Resin, Add	8.69	
	For Up To >10, Add	110.79	
	For >10 To 25, Add	74.77	
	For >25 To 50, Add	50.13	
	For >50 To 100, Add	25.06	
	For >500 To 1,000, Deduct	-6.72	
	For >1,000 To 2,000, Deduct	-10.32	
	For >2,000 To 5,000, Deduct	-17.48	
	For >5,000, Deduct	-28.81	
33 01 30 72-0048	LF 10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	148.84	
	For Vinylester Resin, Add	88.86	
	For Epoxy Resin, Add	10.47	
	For Up To >10, Add	129.17	
	For >10 To 25, Add	86.49	
	For >25 To 50, Add	58.24	
	For >50 To 100, Add	29.12	
	For >500 To 1,000, Deduct	-7.99	
	For >1,000 To 2,000, Deduct	-12.26	
	For >2,000 To 5,000, Deduct	-20.71	
	For >5,000, Deduct	-34.15	
33 01 30 72-0049	LF 10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	172.32	
	For Vinylester Resin, Add	104.02	
	For Epoxy Resin, Add	12.26	
	For Up To >10, Add	145.46	
	For >10 To 25, Add	96.45	
	For >25 To 50, Add	65.30	
	For >50 To 100, Add	32.65	
	For >500 To 1,000, Deduct	-9.21	
	For >1,000 To 2,000, Deduct	-14.11	
	For >2,000 To 5,000, Deduct	-23.76	
	For >5,000, Deduct	-39.21	
33 01 30 72-0050	LF 10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	196.13	
	For Vinylester Resin, Add	119.18	
	For Epoxy Resin, Add	14.05	
	For Up To >10, Add	162.77	
	For >10 To 25, Add	107.26	
	For >25 To 50, Add	72.87	
	For >50 To 100, Add	36.44	
	For >500 To 1,000, Deduct	-10.45	
	For >1,000 To 2,000, Deduct	-16.00	
	For >2,000 To 5,000, Deduct	-26.90	
	For >5,000, Deduct	-44.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0051	LF		10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	220.41	
			For Vinylster Resin, Add	134.33	
			For Epoxy Resin, Add	15.83	
			For Up To >10, Add	181.48	
			For >10 To 25, Add	119.25	
			For >25 To 50, Add	81.15	
			For >50 To 100, Add	40.57	
			For >500 To 1,000, Deduct	-11.73	
			For >1,000 To 2,000, Deduct	-17.96	
			For >2,000 To 5,000, Deduct	-30.16	
			For >5,000, Deduct	-49.78	
33 01 30 72-0052	LF		10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	245.25	
			For Vinylster Resin, Add	149.49	
			For Epoxy Resin, Add	17.62	
			For Up To >10, Add	201.85	
			For >10 To 25, Add	132.62	
			For >25 To 50, Add	90.25	
			For >50 To 100, Add	45.12	
			For >500 To 1,000, Deduct	-13.05	
			For >1,000 To 2,000, Deduct	-19.98	
			For >2,000 To 5,000, Deduct	-33.55	
			For >5,000, Deduct	-55.39	
33 01 30 72-0053	LF		10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	292.56	
			For Vinylster Resin, Add	179.81	
			For Epoxy Resin, Add	21.19	
			For Up To >10, Add	235.51	
			For >10 To 25, Add	153.44	
			For >25 To 50, Add	104.91	
			For >50 To 100, Add	52.45	
			For >500 To 1,000, Deduct	-15.52	
			For >1,000 To 2,000, Deduct	-23.73	
			For >2,000 To 5,000, Deduct	-39.75	
			For >5,000, Deduct	-65.65	
<b>33 01 30 72-0054</b>			<b>12mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small></b> .....		
33 01 30 72-0055	LF		12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	139.22	
			For Vinylster Resin, Add	83.89	
			For Epoxy Resin, Add	9.89	
			For Up To >10, Add	118.06	
			For >10 To 25, Add	78.41	
			For >25 To 50, Add	53.04	
			For >50 To 100, Add	26.52	
			For >500 To 1,000, Deduct	-7.45	
			For >1,000 To 2,000, Deduct	-11.41	
			For >2,000 To 5,000, Deduct	-19.23	
			For >5,000, Deduct	-31.72	
33 01 30 72-0056	LF		12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	166.49	
			For Vinylster Resin, Add	101.21	
			For Epoxy Resin, Add	11.93	
			For Up To >10, Add	138.00	
			For >10 To 25, Add	90.90	
			For >25 To 50, Add	61.77	
			For >50 To 100, Add	30.88	
			For >500 To 1,000, Deduct	-8.87	
			For >1,000 To 2,000, Deduct	-13.58	
			For >2,000 To 5,000, Deduct	-22.83	
			For >5,000, Deduct	-37.68	
33 01 30 72-0057	LF		12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	193.06	
			For Vinylster Resin, Add	118.54	
			For Epoxy Resin, Add	13.97	
			For Up To >10, Add	155.83	
			For >10 To 25, Add	101.64	
			For >25 To 50, Add	69.45	
			For >50 To 100, Add	34.72	
			For >500 To 1,000, Deduct	-10.25	
			For >1,000 To 2,000, Deduct	-15.67	
			For >2,000 To 5,000, Deduct	-26.25	
			For >5,000, Deduct	-43.36	
33 01 30 72-0058	LF		12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	219.97	
			For Vinylster Resin, Add	135.86	
			For Epoxy Resin, Add	16.01	
			For Up To >10, Add	174.69	
			For >10 To 25, Add	113.22	
			For >25 To 50, Add	77.64	
			For >50 To 100, Add	38.82	
			For >500 To 1,000, Deduct	-11.65	
			For >1,000 To 2,000, Deduct	-17.79	
			For >2,000 To 5,000, Deduct	-29.76	
			For >5,000, Deduct	-49.17	
33 01 30 72-0059	LF		12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	247.34	
			For Vinylster Resin, Add	153.18	
			For Epoxy Resin, Add	18.05	
			For Up To >10, Add	194.95	
			For >10 To 25, Add	125.98	
			For >25 To 50, Add	86.53	
			For >50 To 100, Add	43.27	
			For >500 To 1,000, Deduct	-13.08	
			For >1,000 To 2,000, Deduct	-19.98	
			For >2,000 To 5,000, Deduct	-33.39	
			For >5,000, Deduct	-55.17	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0060	LF 12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	275.27	
	For Vinylster Resin, Add	170.51	
	For Epoxy Resin, Add	20.10	
	For Up To >10, Add	216.86	
	For >10 To 25, Add	140.12	
	For >25 To 50, Add	96.25	
	For >50 To 100, Add	48.13	
	For >500 To 1,000, Deduct	-14.56	
	For >1,000 To 2,000, Deduct	-22.23	
	For >2,000 To 5,000, Deduct	-37.15	
	For >5,000, Deduct	-61.39	
33 01 30 72-0061	LF 12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	328.77	
	For Vinylster Resin, Add	205.16	
	For Epoxy Resin, Add	24.18	
	For Up To >10, Add	253.61	
	For >10 To 25, Add	162.50	
	For >25 To 50, Add	112.15	
	For >50 To 100, Add	56.08	
	For >500 To 1,000, Deduct	-17.33	
	For >1,000 To 2,000, Deduct	-26.44	
	For >2,000 To 5,000, Deduct	-44.09	
	For >5,000, Deduct	-72.89	
33 01 30 72-0062	LF 12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	383.28	
	For Vinylster Resin, Add	239.80	
	For Epoxy Resin, Add	28.26	
	For Up To >10, Add	293.42	
	For >10 To 25, Add	187.42	
	For >25 To 50, Add	129.58	
	For >50 To 100, Add	64.79	
	For >500 To 1,000, Deduct	-20.18	
	For >1,000 To 2,000, Deduct	-30.78	
	For >2,000 To 5,000, Deduct	-51.29	
	For >5,000, Deduct	-84.80	
33 01 30 72-0063	LF 12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	439.62	
	For Vinylster Resin, Add	274.45	
	For Epoxy Resin, Add	32.35	
	For Up To >10, Add	338.69	
	For >10 To 25, Add	216.89	
	For >25 To 50, Add	149.74	
	For >50 To 100, Add	74.87	
	For >500 To 1,000, Deduct	-23.17	
	For >1,000 To 2,000, Deduct	-35.35	
	For >2,000 To 5,000, Deduct	-58.94	
	For >5,000, Deduct	-97.43	
<b>33 01 30 72-0064</b>	<b>13.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0065	LF 13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	153.65	
	For Vinylster Resin, Add	93.99	
	For Epoxy Resin, Add	11.08	
	For Up To >10, Add	125.28	
	For >10 To 25, Add	82.02	
	For >25 To 50, Add	55.92	
	For >50 To 100, Add	27.96	
	For >500 To 1,000, Deduct	-8.17	
	For >1,000 To 2,000, Deduct	-12.49	
	For >2,000 To 5,000, Deduct	-20.96	
	For >5,000, Deduct	-34.61	
33 01 30 72-0066	LF 13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	184.02	
	For Vinylster Resin, Add	113.48	
	For Epoxy Resin, Add	13.37	
	For Up To >10, Add	146.76	
	For >10 To 25, Add	95.28	
	For >25 To 50, Add	65.27	
	For >50 To 100, Add	32.64	
	For >500 To 1,000, Deduct	-9.75	
	For >1,000 To 2,000, Deduct	-14.90	
	For >2,000 To 5,000, Deduct	-24.93	
	For >5,000, Deduct	-41.18	
33 01 30 72-0067	LF 13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	213.68	
	For Vinylster Resin, Add	132.97	
	For Epoxy Resin, Add	15.67	
	For Up To >10, Add	166.14	
	For >10 To 25, Add	106.79	
	For >25 To 50, Add	73.57	
	For >50 To 100, Add	36.79	
	For >500 To 1,000, Deduct	-11.28	
	For >1,000 To 2,000, Deduct	-17.21	
	For >2,000 To 5,000, Deduct	-28.73	
	For >5,000, Deduct	-47.48	
33 01 30 72-0068	LF 13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	243.68	
	For Vinylster Resin, Add	152.46	
	For Epoxy Resin, Add	17.97	
	For Up To >10, Add	186.54	
	For >10 To 25, Add	119.15	
	For >25 To 50, Add	82.38	
	For >50 To 100, Add	41.19	
	For >500 To 1,000, Deduct	-12.83	
	For >1,000 To 2,000, Deduct	-19.57	
	For >2,000 To 5,000, Deduct	-32.61	
	For >5,000, Deduct	-53.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0069	LF		13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	274.15	
			For Vinylster Resin, Add	171.95	
			For Epoxy Resin, Add	20.27	
			For Up To >10, Add	208.35	
			For >10 To 25, Add	132.69	
			For >25 To 50, Add	91.89	
			For >50 To 100, Add	45.95	
			For >500 To 1,000, Deduct	-14.42	
			For >1,000 To 2,000, Deduct	-21.99	
			For >2,000 To 5,000, Deduct	-36.60	
			For >5,000, Deduct	-60.53	
33 01 30 72-0070	LF		13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	305.17	
			For Vinylster Resin, Add	191.44	
			For Epoxy Resin, Add	22.56	
			For Up To >10, Add	231.81	
			For >10 To 25, Add	147.60	
			For >25 To 50, Add	102.23	
			For >50 To 100, Add	51.12	
			For >500 To 1,000, Deduct	-16.05	
			For >1,000 To 2,000, Deduct	-24.47	
			For >2,000 To 5,000, Deduct	-40.74	
			For >5,000, Deduct	-67.37	
33 01 30 72-0071	LF		13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	364.86	
			For Vinylster Resin, Add	230.42	
			For Epoxy Resin, Add	27.16	
			For Up To >10, Add	271.66	
			For >10 To 25, Add	171.52	
			For >25 To 50, Add	119.37	
			For >50 To 100, Add	59.68	
			For >500 To 1,000, Deduct	-19.14	
			For >1,000 To 2,000, Deduct	-29.15	
			For >2,000 To 5,000, Deduct	-48.42	
			For >5,000, Deduct	-80.11	
33 01 30 72-0072	LF		13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	425.56	
			For Vinylster Resin, Add	269.40	
			For Epoxy Resin, Add	31.75	
			For Up To >10, Add	314.56	
			For >10 To 25, Add	197.99	
			For >25 To 50, Add	138.04	
			For >50 To 100, Add	69.02	
			For >500 To 1,000, Deduct	-22.30	
			For >1,000 To 2,000, Deduct	-33.95	
			For >2,000 To 5,000, Deduct	-56.36	
			For >5,000, Deduct	-93.25	
33 01 30 72-0073	LF		13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	488.08	
			For Vinylster Resin, Add	308.37	
			For Epoxy Resin, Add	36.34	
			For Up To >10, Add	362.92	
			For >10 To 25, Add	229.01	
			For >25 To 50, Add	159.43	
			For >50 To 100, Add	79.72	
			For >500 To 1,000, Deduct	-25.59	
			For >1,000 To 2,000, Deduct	-38.98	
			For >2,000 To 5,000, Deduct	-64.75	
			For >5,000, Deduct	-107.13	
33 01 30 72-0074			15mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small> .....	167.96	
33 01 30 72-0075	LF		15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	167.96	
			For Vinylster Resin, Add	104.01	
			For Epoxy Resin, Add	12.26	
			For Up To >10, Add	132.43	
			For >10 To 25, Add	85.60	
			For >25 To 50, Add	58.79	
			For >50 To 100, Add	29.39	
			For >500 To 1,000, Deduct	-8.88	
			For >1,000 To 2,000, Deduct	-13.57	
			For >2,000 To 5,000, Deduct	-22.67	
			For >5,000, Deduct	-37.47	
33 01 30 72-0076	LF		15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	201.42	
			For Vinylster Resin, Add	125.66	
			For Epoxy Resin, Add	14.81	
			For Up To >10, Add	155.46	
			For >10 To 25, Add	99.63	
			For >25 To 50, Add	68.75	
			For >50 To 100, Add	34.38	
			For >500 To 1,000, Deduct	-10.62	
			For >1,000 To 2,000, Deduct	-16.20	
			For >2,000 To 5,000, Deduct	-27.02	
			For >5,000, Deduct	-44.66	
33 01 30 72-0077	LF		15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	234.17	
			For Vinylster Resin, Add	147.32	
			For Epoxy Resin, Add	17.36	
			For Up To >10, Add	176.39	
			For >10 To 25, Add	111.91	
			For >25 To 50, Add	77.67	
			For >50 To 100, Add	38.84	
			For >500 To 1,000, Deduct	-12.30	
			For >1,000 To 2,000, Deduct	-18.75	
			For >2,000 To 5,000, Deduct	-31.18	
			For >5,000, Deduct	-51.58	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0078	LF	15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	267.27	
			For Vinylster Resin, Add	168.97	
			For Epoxy Resin, Add	19.91	
			For Up To >10, Add	198.34	
			For >10 To 25, Add	125.05	
			For >25 To 50, Add	87.10	
			For >50 To 100, Add	43.55	
			For >500 To 1,000, Deduct	-14.01	
			For >1,000 To 2,000, Deduct	-21.34	
			For >2,000 To 5,000, Deduct	-35.44	
			For >5,000, Deduct	-58.63	
33 01 30	72-0079	LF	15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	300.83	
			For Vinylster Resin, Add	190.62	
			For Epoxy Resin, Add	22.47	
			For Up To >10, Add	221.69	
			For >10 To 25, Add	139.36	
			For >25 To 50, Add	97.23	
			For >50 To 100, Add	48.61	
			For >500 To 1,000, Deduct	-15.75	
			For >1,000 To 2,000, Deduct	-23.99	
			For >2,000 To 5,000, Deduct	-39.81	
			For >5,000, Deduct	-65.87	
33 01 30	72-0080	LF	15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	334.95	
			For Vinylster Resin, Add	212.28	
			For Epoxy Resin, Add	25.02	
			For Up To >10, Add	246.70	
			For >10 To 25, Add	155.04	
			For >25 To 50, Add	108.19	
			For >50 To 100, Add	54.09	
			For >500 To 1,000, Deduct	-17.54	
			For >1,000 To 2,000, Deduct	-26.71	
			For >2,000 To 5,000, Deduct	-44.31	
			For >5,000, Deduct	-73.33	
33 01 30	72-0081	LF	15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	400.82	
			For Vinylster Resin, Add	255.59	
			For Epoxy Resin, Add	30.12	
			For Up To >10, Add	289.64	
			For >10 To 25, Add	180.51	
			For >25 To 50, Add	126.56	
			For >50 To 100, Add	63.28	
			For >500 To 1,000, Deduct	-20.93	
			For >1,000 To 2,000, Deduct	-31.85	
			For >2,000 To 5,000, Deduct	-52.74	
			For >5,000, Deduct	-87.30	
33 01 30	72-0082	LF	15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	467.71	
			For Vinylster Resin, Add	298.90	
			For Epoxy Resin, Add	35.23	
			For Up To >10, Add	335.63	
			For >10 To 25, Add	208.53	
			For >25 To 50, Add	146.47	
			For >50 To 100, Add	73.23	
			For >500 To 1,000, Deduct	-24.40	
			For >1,000 To 2,000, Deduct	-37.11	
			For >2,000 To 5,000, Deduct	-61.42	
			For >5,000, Deduct	-101.68	
33 01 30	72-0083	LF	15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	536.42	
			For Vinylster Resin, Add	342.21	
			For Epoxy Resin, Add	40.33	
			For Up To >10, Add	387.09	
			For >10 To 25, Add	241.09	
			For >25 To 50, Add	169.10	
			For >50 To 100, Add	84.55	
			For >500 To 1,000, Deduct	-28.01	
			For >1,000 To 2,000, Deduct	-42.61	
			For >2,000 To 5,000, Deduct	-70.55	
			For >5,000, Deduct	-116.79	
33 01 30	72-0084		<b>16.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small> .....		
33 01 30	72-0085	LF	16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	218.70	
			For Vinylster Resin, Add	137.76	
			For Epoxy Resin, Add	16.24	
			For Up To >10, Add	164.10	
			For >10 To 25, Add	103.95	
			For >25 To 50, Add	72.21	
			For >50 To 100, Add	36.11	
			For >500 To 1,000, Deduct	-11.48	
			For >1,000 To 2,000, Deduct	-17.50	
			For >2,000 To 5,000, Deduct	-29.09	
			For >5,000, Deduct	-48.12	
33 01 30	72-0086	LF	16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	254.55	
			For Vinylster Resin, Add	161.58	
			For Epoxy Resin, Add	19.04	
			For Up To >10, Add	186.58	
			For >10 To 25, Add	117.01	
			For >25 To 50, Add	81.75	
			For >50 To 100, Add	40.87	
			For >500 To 1,000, Deduct	-13.32	
			For >1,000 To 2,000, Deduct	-20.28	
			For >2,000 To 5,000, Deduct	-33.63	
			For >5,000, Deduct	-55.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0087	LF		16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	290.74	
			For Vinlyester Resin, Add	185.40	
			For Epoxy Resin, Add	21.85	
			For Up To >10, Add	210.07	
			For >10 To 25, Add	130.92	
			For >25 To 50, Add	91.79	
			For >50 To 100, Add	45.90	
			For >500 To 1,000, Deduct	-15.18	
			For >1,000 To 2,000, Deduct	-23.10	
			For >2,000 To 5,000, Deduct	-38.25	
			For >5,000, Deduct	-63.32	
33 01 30 72-0088	LF		16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	327.40	
			For Vinlyester Resin, Add	209.22	
			For Epoxy Resin, Add	24.66	
			For Up To >10, Add	234.98	
			For >10 To 25, Add	146.00	
			For >25 To 50, Add	102.54	
			For >50 To 100, Add	51.27	
			For >500 To 1,000, Deduct	-17.08	
			For >1,000 To 2,000, Deduct	-25.98	
			For >2,000 To 5,000, Deduct	-42.99	
			For >5,000, Deduct	-71.18	
33 01 30 72-0089	LF		16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	364.61	
			For Vinlyester Resin, Add	233.04	
			For Epoxy Resin, Add	27.47	
			For Up To >10, Add	261.53	
			For >10 To 25, Add	162.46	
			For >25 To 50, Add	114.12	
			For >50 To 100, Add	57.06	
			For >500 To 1,000, Deduct	-19.02	
			For >1,000 To 2,000, Deduct	-28.93	
			For >2,000 To 5,000, Deduct	-47.87	
			For >5,000, Deduct	-79.26	
33 01 30 72-0090	LF		16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	436.66	
			For Vinlyester Resin, Add	280.68	
			For Epoxy Resin, Add	33.08	
			For Up To >10, Add	307.56	
			For >10 To 25, Add	189.47	
			For >25 To 50, Add	133.73	
			For >50 To 100, Add	66.86	
			For >500 To 1,000, Deduct	-22.73	
			For >1,000 To 2,000, Deduct	-34.53	
			For >2,000 To 5,000, Deduct	-57.04	
			For >5,000, Deduct	-94.47	
33 01 30 72-0091	LF		16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	509.74	
			For Vinlyester Resin, Add	328.32	
			For Epoxy Resin, Add	38.69	
			For Up To >10, Add	356.65	
			For >10 To 25, Add	219.03	
			For >25 To 50, Add	154.87	
			For >50 To 100, Add	77.44	
			For >500 To 1,000, Deduct	-26.50	
			For >1,000 To 2,000, Deduct	-40.27	
			For >2,000 To 5,000, Deduct	-66.46	
			For >5,000, Deduct	-110.09	
33 01 30 72-0092	LF		16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	584.64	
			For Vinlyester Resin, Add	375.96	
			For Epoxy Resin, Add	44.31	
			For Up To >10, Add	411.20	
			For >10 To 25, Add	253.15	
			For >25 To 50, Add	178.74	
			For >50 To 100, Add	89.37	
			For >500 To 1,000, Deduct	-30.42	
			For >1,000 To 2,000, Deduct	-46.23	
			For >2,000 To 5,000, Deduct	-76.34	
			For >5,000, Deduct	-126.44	
33 01 30 72-0093	LF		16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	662.15	
			For Vinlyester Resin, Add	423.60	
			For Epoxy Resin, Add	49.92	
			For Up To >10, Add	473.60	
			For >10 To 25, Add	293.81	
			For >25 To 50, Add	206.54	
			For >50 To 100, Add	103.27	
			For >500 To 1,000, Deduct	-34.53	
			For >1,000 To 2,000, Deduct	-52.51	
			For >2,000 To 5,000, Deduct	-86.87	
			For >5,000, Deduct	-143.83	
33 01 30 72-0094			<b>18mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0095	LF		18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	236.99	
			For Vinlyester Resin, Add	149.77	
			For Epoxy Resin, Add	17.65	
			For Up To >10, Add	176.07	
			For >10 To 25, Add	111.07	
			For >25 To 50, Add	77.34	
			For >50 To 100, Add	38.67	
			For >500 To 1,000, Deduct	-12.43	
			For >1,000 To 2,000, Deduct	-18.93	
			For >2,000 To 5,000, Deduct	-31.43	
			For >5,000, Deduct	-52.00	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0096	LF		18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	276.05	
			For Vinlyester Resin, Add	175.76	
			For Epoxy Resin, Add	20.71	
			For Up To >10, Add	200.45	
			For >10 To 25, Add	125.20	
			For >25 To 50, Add	87.67	
			For >50 To 100, Add	43.84	
			For >500 To 1,000, Deduct	-14.43	
			For >1,000 To 2,000, Deduct	-21.95	
			For >2,000 To 5,000, Deduct	-36.37	
			For >5,000, Deduct	-60.20	
33 01 30 72-0097	LF		18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	315.47	
			For Vinlyester Resin, Add	201.75	
			For Epoxy Resin, Add	23.78	
			For Up To >10, Add	225.89	
			For >10 To 25, Add	140.20	
			For >25 To 50, Add	98.53	
			For >50 To 100, Add	49.27	
			For >500 To 1,000, Deduct	-16.46	
			For >1,000 To 2,000, Deduct	-25.02	
			For >2,000 To 5,000, Deduct	-41.40	
			For >5,000, Deduct	-68.55	
33 01 30 72-0098	LF		18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	355.32	
			For Vinlyester Resin, Add	227.73	
			For Epoxy Resin, Add	26.84	
			For Up To >10, Add	252.64	
			For >10 To 25, Add	156.31	
			For >25 To 50, Add	110.05	
			For >50 To 100, Add	55.03	
			For >500 To 1,000, Deduct	-18.52	
			For >1,000 To 2,000, Deduct	-28.15	
			For >2,000 To 5,000, Deduct	-46.54	
			For >5,000, Deduct	-77.06	
33 01 30 72-0099	LF		18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	395.74	
			For Vinlyester Resin, Add	253.72	
			For Epoxy Resin, Add	29.90	
			For Up To >10, Add	281.10	
			For >10 To 25, Add	173.84	
			For >25 To 50, Add	122.43	
			For >50 To 100, Add	61.21	
			For >500 To 1,000, Deduct	-20.62	
			For >1,000 To 2,000, Deduct	-31.35	
			For >2,000 To 5,000, Deduct	-51.82	
			For >5,000, Deduct	-85.81	
33 01 30 72-0100	LF		18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	474.09	
			For Vinlyester Resin, Add	305.68	
			For Epoxy Resin, Add	36.03	
			For Up To >10, Add	330.55	
			For >10 To 25, Add	202.67	
			For >25 To 50, Add	143.44	
			For >50 To 100, Add	71.72	
			For >500 To 1,000, Deduct	-24.64	
			For >1,000 To 2,000, Deduct	-37.43	
			For >2,000 To 5,000, Deduct	-61.75	
			For >5,000, Deduct	-102.30	
33 01 30 72-0101	LF		18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	553.70	
			For Vinlyester Resin, Add	357.66	
			For Epoxy Resin, Add	42.15	
			For Up To >10, Add	383.75	
			For >10 To 25, Add	234.64	
			For >25 To 50, Add	166.33	
			For >50 To 100, Add	83.16	
			For >500 To 1,000, Deduct	-28.75	
			For >1,000 To 2,000, Deduct	-43.67	
			For >2,000 To 5,000, Deduct	-72.00	
			For >5,000, Deduct	-119.29	
33 01 30 72-0102	LF		18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	635.13	
			For Vinlyester Resin, Add	409.63	
			For Epoxy Resin, Add	48.28	
			For Up To >10, Add	442.44	
			For >10 To 25, Add	271.17	
			For >25 To 50, Add	191.96	
			For >50 To 100, Add	95.98	
			For >500 To 1,000, Deduct	-33.01	
			For >1,000 To 2,000, Deduct	-50.13	
			For >2,000 To 5,000, Deduct	-82.71	
			For >5,000, Deduct	-137.02	
33 01 30 72-0103	LF		18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	719.29	
			For Vinlyester Resin, Add	461.60	
			For Epoxy Resin, Add	54.40	
			For Up To >10, Add	509.30	
			For >10 To 25, Add	314.51	
			For >25 To 50, Add	221.68	
			For >50 To 100, Add	110.84	
			For >500 To 1,000, Deduct	-37.46	
			For >1,000 To 2,000, Deduct	-56.94	
			For >2,000 To 5,000, Deduct	-94.10	
			For >5,000, Deduct	-155.83	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0104	LF		18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	811.43	
			For Vinylster Resin, Add	513.57	
			For Epoxy Resin, Add	60.53	
			For Up To >10, Add	600.12	
			For >10 To 25, Add	377.82	
			For >25 To 50, Add	263.37	
			For >50 To 100, Add	131.69	
			For >500 To 1,000, Deduct	-42.52	
			For >1,000 To 2,000, Deduct	-64.75	
			For >2,000 To 5,000, Deduct	-107.48	
			For >5,000, Deduct	-177.84	
33 01 30 72-0105	LF		18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	913.97	
			For Vinylster Resin, Add	565.54	
			For Epoxy Resin, Add	66.65	
			For Up To >10, Add	722.11	
			For >10 To 25, Add	467.11	
			For >25 To 50, Add	320.66	
			For >50 To 100, Add	160.33	
			For >500 To 1,000, Deduct	-48.35	
			For >1,000 To 2,000, Deduct	-73.85	
			For >2,000 To 5,000, Deduct	-123.46	
			For >5,000, Deduct	-204.00	
33 01 30 72-0106	LF		18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,024.69	
			For Vinylster Resin, Add	617.51	
			For Epoxy Resin, Add	72.78	
			For Up To >10, Add	868.67	
			For >10 To 25, Add	576.87	
			For >25 To 50, Add	390.23	
			For >50 To 100, Add	195.11	
			For >500 To 1,000, Deduct	-54.80	
			For >1,000 To 2,000, Deduct	-83.98	
			For >2,000 To 5,000, Deduct	-141.49	
			For >5,000, Deduct	-233.44	
33 01 30 72-0107			19.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small> .....	254.03	
33 01 30 72-0108	LF		19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	254.03	
			For Vinylster Resin, Add	161.70	
			For Epoxy Resin, Add	19.06	
			For Up To >10, Add	184.59	
			For >10 To 25, Add	115.33	
			For >25 To 50, Add	80.75	
			For >50 To 100, Add	40.37	
			For >500 To 1,000, Deduct	-13.28	
			For >1,000 To 2,000, Deduct	-20.20	
			For >2,000 To 5,000, Deduct	-33.48	
			For >5,000, Deduct	-55.41	
33 01 30 72-0109	LF		19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	296.19	
			For Vinylster Resin, Add	189.85	
			For Epoxy Resin, Add	22.38	
			For Up To >10, Add	210.52	
			For >10 To 25, Add	130.23	
			For >25 To 50, Add	91.70	
			For >50 To 100, Add	45.85	
			For >500 To 1,000, Deduct	-15.43	
			For >1,000 To 2,000, Deduct	-23.46	
			For >2,000 To 5,000, Deduct	-38.79	
			For >5,000, Deduct	-64.23	
33 01 30 72-0110	LF		19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	338.69	
			For Vinylster Resin, Add	218.00	
			For Epoxy Resin, Add	25.69	
			For Up To >10, Add	237.50	
			For >10 To 25, Add	146.01	
			For >25 To 50, Add	103.18	
			For >50 To 100, Add	51.59	
			For >500 To 1,000, Deduct	-17.62	
			For >1,000 To 2,000, Deduct	-26.76	
			For >2,000 To 5,000, Deduct	-44.19	
			For >5,000, Deduct	-73.19	
33 01 30 72-0111	LF		19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	381.64	
			For Vinylster Resin, Add	246.16	
			For Epoxy Resin, Add	29.01	
			For Up To >10, Add	265.80	
			For >10 To 25, Add	162.89	
			For >25 To 50, Add	115.32	
			For >50 To 100, Add	57.66	
			For >500 To 1,000, Deduct	-19.83	
			For >1,000 To 2,000, Deduct	-30.12	
			For >2,000 To 5,000, Deduct	-49.70	
			For >5,000, Deduct	-82.33	
33 01 30 72-0112	LF		19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	425.15	
			For Vinylster Resin, Add	274.30	
			For Epoxy Resin, Add	32.33	
			For Up To >10, Add	295.80	
			For >10 To 25, Add	181.19	
			For >25 To 50, Add	128.31	
			For >50 To 100, Add	64.15	
			For >500 To 1,000, Deduct	-22.09	
			For >1,000 To 2,000, Deduct	-33.55	
			For >2,000 To 5,000, Deduct	-55.35	
			For >5,000, Deduct	-91.69	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0113	LF		19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	509.69	
			For Vinlyester Resin, Add	330.60	
			For Epoxy Resin, Add	38.96	
			For Up To >10, Add	348.35	
			For >10 To 25, Add	211.57	
			For >25 To 50, Add	150.56	
			For >50 To 100, Add	75.28	
			For >500 To 1,000, Deduct	-26.42	
			For >1,000 To 2,000, Deduct	-40.10	
			For >2,000 To 5,000, Deduct	-66.02	
			For >5,000, Deduct	-109.42	
33 01 30 72-0114	LF		19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	595.48	
			For Vinlyester Resin, Add	386.90	
			For Epoxy Resin, Add	45.60	
			For Up To >10, Add	404.64	
			For >10 To 25, Add	245.08	
			For >25 To 50, Add	174.68	
			For >50 To 100, Add	87.34	
			For >500 To 1,000, Deduct	-30.84	
			For >1,000 To 2,000, Deduct	-46.80	
			For >2,000 To 5,000, Deduct	-77.02	
			For >5,000, Deduct	-127.65	
33 01 30 72-0115	LF		19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	683.11	
			For Vinlyester Resin, Add	443.21	
			For Epoxy Resin, Add	52.24	
			For Up To >10, Add	466.43	
			For >10 To 25, Add	283.17	
			For >25 To 50, Add	201.56	
			For >50 To 100, Add	100.78	
			For >500 To 1,000, Deduct	-35.40	
			For >1,000 To 2,000, Deduct	-53.73	
			For >2,000 To 5,000, Deduct	-88.47	
			For >5,000, Deduct	-146.61	
33 01 30 72-0116	LF		19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	773.45	
			For Vinlyester Resin, Add	499.51	
			For Epoxy Resin, Add	58.87	
			For Up To >10, Add	536.38	
			For >10 To 25, Add	328.05	
			For >25 To 50, Add	232.51	
			For >50 To 100, Add	116.25	
			For >500 To 1,000, Deduct	-40.17	
			For >1,000 To 2,000, Deduct	-61.00	
			For >2,000 To 5,000, Deduct	-100.60	
			For >5,000, Deduct	-166.66	
33 01 30 72-0117	LF		19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	871.78	
			For Vinlyester Resin, Add	555.81	
			For Epoxy Resin, Add	65.51	
			For Up To >10, Add	630.29	
			For >10 To 25, Add	392.91	
			For >25 To 50, Add	275.44	
			For >50 To 100, Add	137.72	
			For >500 To 1,000, Deduct	-45.53	
			For >1,000 To 2,000, Deduct	-69.27	
			For >2,000 To 5,000, Deduct	-114.72	
			For >5,000, Deduct	-189.91	
33 01 30 72-0118	LF		19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	980.50	
			For Vinlyester Resin, Add	612.12	
			For Epoxy Resin, Add	72.14	
			For Up To >10, Add	755.38	
			For >10 To 25, Add	483.74	
			For >25 To 50, Add	333.97	
			For >50 To 100, Add	166.98	
			For >500 To 1,000, Deduct	-51.68	
			For >1,000 To 2,000, Deduct	-78.84	
			For >2,000 To 5,000, Deduct	-131.45	
			For >5,000, Deduct	-217.31	
33 01 30 72-0119	LF		19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,097.40	
			For Vinlyester Resin, Add	668.41	
			For Epoxy Resin, Add	78.78	
			For Up To >10, Add	905.03	
			For >10 To 25, Add	595.04	
			For >25 To 50, Add	404.77	
			For >50 To 100, Add	202.38	
			For >500 To 1,000, Deduct	-58.43	
			For >1,000 To 2,000, Deduct	-89.43	
			For >2,000 To 5,000, Deduct	-150.22	
			For >5,000, Deduct	-247.99	
33 01 30 72-0120			<b>21mm Thick Lining Cured In-Place Pipe</b> (33 01 30 72-0015)		
33 01 30 72-0121	LF		21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	272.09	
			For Vinlyester Resin, Add	173.54	
			For Epoxy Resin, Add	20.45	
			For Up To >10, Add	196.47	
			For >10 To 25, Add	122.41	
			For >25 To 50, Add	85.84	
			For >50 To 100, Add	42.92	
			For >500 To 1,000, Deduct	-14.21	
			For >1,000 To 2,000, Deduct	-21.62	
			For >2,000 To 5,000, Deduct	-35.79	
			For >5,000, Deduct	-59.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0122	LF		21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	317.46	
			For Vinylster Resin, Add	203.86	
			For Epoxy Resin, Add	24.03	
			For Up To >10, Add	224.31	
			For >10 To 25, Add	138.38	
			For >25 To 50, Add	97.59	
			For >50 To 100, Add	48.80	
			For >500 To 1,000, Deduct	-16.53	
			For >1,000 To 2,000, Deduct	-25.12	
			For >2,000 To 5,000, Deduct	-41.51	
			For >5,000, Deduct	-68.74	
33 01 30 72-0123	LF		21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	363.16	
			For Vinylster Resin, Add	234.18	
			For Epoxy Resin, Add	27.60	
			For Up To >10, Add	253.13	
			For >10 To 25, Add	155.19	
			For >25 To 50, Add	109.84	
			For >50 To 100, Add	54.92	
			For >500 To 1,000, Deduct	-18.87	
			For >1,000 To 2,000, Deduct	-28.67	
			For >2,000 To 5,000, Deduct	-47.30	
			For >5,000, Deduct	-78.36	
33 01 30 72-0124	LF		21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	409.31	
			For Vinylster Resin, Add	264.49	
			For Epoxy Resin, Add	31.17	
			For Up To >10, Add	283.33	
			For >10 To 25, Add	173.14	
			For >25 To 50, Add	122.77	
			For >50 To 100, Add	61.39	
			For >500 To 1,000, Deduct	-21.25	
			For >1,000 To 2,000, Deduct	-32.27	
			For >2,000 To 5,000, Deduct	-53.21	
			For >5,000, Deduct	-88.16	
33 01 30 72-0125	LF		21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	456.05	
			For Vinylster Resin, Add	294.81	
			For Epoxy Resin, Add	34.75	
			For Up To >10, Add	315.25	
			For >10 To 25, Add	192.52	
			For >25 To 50, Add	136.57	
			For >50 To 100, Add	68.28	
			For >500 To 1,000, Deduct	-23.67	
			For >1,000 To 2,000, Deduct	-35.95	
			For >2,000 To 5,000, Deduct	-59.26	
			For >5,000, Deduct	-98.19	
33 01 30 72-0126	LF		21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	547.11	
			For Vinylster Resin, Add	355.44	
			For Epoxy Resin, Add	41.89	
			For Up To >10, Add	371.91	
			For >10 To 25, Add	225.29	
			For >25 To 50, Add	160.56	
			For >50 To 100, Add	80.28	
			For >500 To 1,000, Deduct	-28.34	
			For >1,000 To 2,000, Deduct	-43.00	
			For >2,000 To 5,000, Deduct	-70.77	
			For >5,000, Deduct	-117.29	
33 01 30 72-0127	LF		21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	639.31	
			For Vinylster Resin, Add	416.07	
			For Epoxy Resin, Add	49.04	
			For Up To >10, Add	431.96	
			For >10 To 25, Add	260.90	
			For >25 To 50, Add	186.26	
			For >50 To 100, Add	93.13	
			For >500 To 1,000, Deduct	-33.09	
			For >1,000 To 2,000, Deduct	-50.19	
			For >2,000 To 5,000, Deduct	-82.56	
			For >5,000, Deduct	-136.85	
33 01 30 72-0128	LF		21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	733.35	
			For Vinylster Resin, Add	476.71	
			For Epoxy Resin, Add	56.18	
			For Up To >10, Add	497.53	
			For >10 To 25, Add	301.10	
			For >25 To 50, Add	214.71	
			For >50 To 100, Add	107.36	
			For >500 To 1,000, Deduct	-37.98	
			For >1,000 To 2,000, Deduct	-57.62	
			For >2,000 To 5,000, Deduct	-94.81	
			For >5,000, Deduct	-157.14	
33 01 30 72-0129	LF		21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	830.45	
			For Vinylster Resin, Add	537.33	
			For Epoxy Resin, Add	63.33	
			For Up To >10, Add	572.30	
			For >10 To 25, Add	348.98	
			For >25 To 50, Add	247.77	
			For >50 To 100, Add	123.88	
			For >500 To 1,000, Deduct	-43.09	
			For >1,000 To 2,000, Deduct	-65.43	
			For >2,000 To 5,000, Deduct	-107.82	
			For >5,000, Deduct	-178.66	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0130	LF	21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	935.88	
			For Vinylster Resin, Add	597.97	
			For Epoxy Resin, Add	70.47	
			For Up To >10, Add	672.04	
			For >10 To 25, Add	417.66	
			For >25 To 50, Add	293.31	
			For >50 To 100, Add	146.65	
			For >500 To 1,000, Deduct	-48.84	
			For >1,000 To 2,000, Deduct	-74.27	
			For >2,000 To 5,000, Deduct	-122.92	
			For >5,000, Deduct	-203.50	
33 01 30	72-0131	LF	21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,052.15	
			For Vinylster Resin, Add	658.60	
			For Epoxy Resin, Add	77.62	
			For Up To >10, Add	804.30	
			For >10 To 25, Add	513.44	
			For >25 To 50, Add	355.11	
			For >50 To 100, Add	177.55	
			For >500 To 1,000, Deduct	-55.39	
			For >1,000 To 2,000, Deduct	-84.48	
			For >2,000 To 5,000, Deduct	-140.73	
			For >5,000, Deduct	-232.69	
33 01 30	72-0132	LF	21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,177.19	
			For Vinylster Resin, Add	719.24	
			For Epoxy Resin, Add	84.77	
			For Up To >10, Add	962.87	
			For >10 To 25, Add	631.15	
			For >25 To 50, Add	430.06	
			For >50 To 100, Add	215.03	
			For >500 To 1,000, Deduct	-62.60	
			For >1,000 To 2,000, Deduct	-95.77	
			For >2,000 To 5,000, Deduct	-160.73	
			For >5,000, Deduct	-265.38	
<b>33 01 30</b>	<b>72-0133</b>		<b>22.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small></b> .....		
33 01 30	72-0134	LF	22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	288.89	
			For Vinylster Resin, Add	185.30	
			For Epoxy Resin, Add	21.84	
			For Up To >10, Add	204.87	
			For >10 To 25, Add	126.61	
			For >25 To 50, Add	89.20	
			For >50 To 100, Add	44.60	
			For >500 To 1,000, Deduct	-15.05	
			For >1,000 To 2,000, Deduct	-22.88	
			For >2,000 To 5,000, Deduct	-37.81	
			For >5,000, Deduct	-62.61	
33 01 30	72-0135	LF	22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	337.35	
			For Vinylster Resin, Add	217.78	
			For Epoxy Resin, Add	25.67	
			For Up To >10, Add	234.25	
			For >10 To 25, Add	143.36	
			For >25 To 50, Add	101.57	
			For >50 To 100, Add	50.78	
			For >500 To 1,000, Deduct	-17.52	
			For >1,000 To 2,000, Deduct	-26.61	
			For >2,000 To 5,000, Deduct	-43.89	
			For >5,000, Deduct	-72.72	
33 01 30	72-0136	LF	22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	386.14	
			For Vinylster Resin, Add	250.26	
			For Epoxy Resin, Add	29.50	
			For Up To >10, Add	264.62	
			For >10 To 25, Add	160.93	
			For >25 To 50, Add	114.43	
			For >50 To 100, Add	57.22	
			For >500 To 1,000, Deduct	-20.02	
			For >1,000 To 2,000, Deduct	-30.39	
			For >2,000 To 5,000, Deduct	-50.06	
			For >5,000, Deduct	-82.95	
33 01 30	72-0137	LF	22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	435.39	
			For Vinylster Resin, Add	282.74	
			For Epoxy Resin, Add	33.32	
			For Up To >10, Add	296.37	
			For >10 To 25, Add	179.66	
			For >25 To 50, Add	127.99	
			For >50 To 100, Add	63.99	
			For >500 To 1,000, Deduct	-22.56	
			For >1,000 To 2,000, Deduct	-34.23	
			For >2,000 To 5,000, Deduct	-56.34	
			For >5,000, Deduct	-93.37	
33 01 30	72-0138	LF	22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	485.21	
			For Vinylster Resin, Add	315.22	
			For Epoxy Resin, Add	37.15	
			For Up To >10, Add	329.83	
			For >10 To 25, Add	199.81	
			For >25 To 50, Add	142.40	
			For >50 To 100, Add	71.20	
			For >500 To 1,000, Deduct	-25.13	
			For >1,000 To 2,000, Deduct	-38.14	
			For >2,000 To 5,000, Deduct	-62.76	
			For >5,000, Deduct	-104.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0139	LF		22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	582.47	
			For Vinlyester Resin, Add	380.19	
			For Epoxy Resin, Add	44.81	
			For Up To >10, Add	389.59	
			For >10 To 25, Add	234.13	
			For >25 To 50, Add	167.64	
			For >50 To 100, Add	83.82	
			For >500 To 1,000, Deduct	-30.11	
			For >1,000 To 2,000, Deduct	-45.65	
			For >2,000 To 5,000, Deduct	-75.01	
			For >5,000, Deduct	-124.36	
33 01 30 72-0140	LF		22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	680.85	
			For Vinlyester Resin, Add	445.15	
			For Epoxy Resin, Add	52.46	
			For Up To >10, Add	452.73	
			For >10 To 25, Add	271.28	
			For >25 To 50, Add	194.57	
			For >50 To 100, Add	97.28	
			For >500 To 1,000, Deduct	-35.17	
			For >1,000 To 2,000, Deduct	-53.31	
			For >2,000 To 5,000, Deduct	-87.54	
			For >5,000, Deduct	-145.15	
33 01 30 72-0141	LF		22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	781.08	
			For Vinlyester Resin, Add	510.12	
			For Epoxy Resin, Add	60.12	
			For Up To >10, Add	521.39	
			For >10 To 25, Add	313.04	
			For >25 To 50, Add	224.26	
			For >50 To 100, Add	112.13	
			For >500 To 1,000, Deduct	-40.36	
			For >1,000 To 2,000, Deduct	-61.20	
			For >2,000 To 5,000, Deduct	-100.53	
			For >5,000, Deduct	-166.68	
33 01 30 72-0142	LF		22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	884.37	
			For Vinlyester Resin, Add	575.08	
			For Epoxy Resin, Add	67.78	
			For Up To >10, Add	599.26	
			For >10 To 25, Add	362.46	
			For >25 To 50, Add	258.55	
			For >50 To 100, Add	129.28	
			For >500 To 1,000, Deduct	-45.79	
			For >1,000 To 2,000, Deduct	-69.47	
			For >2,000 To 5,000, Deduct	-114.29	
			For >5,000, Deduct	-189.44	
33 01 30 72-0143	LF		22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	995.99	
			For Vinlyester Resin, Add	640.05	
			For Epoxy Resin, Add	75.43	
			For Up To >10, Add	702.10	
			For >10 To 25, Add	432.69	
			For >25 To 50, Add	305.33	
			For >50 To 100, Add	152.67	
			For >500 To 1,000, Deduct	-51.84	
			For >1,000 To 2,000, Deduct	-78.78	
			For >2,000 To 5,000, Deduct	-130.13	
			For >5,000, Deduct	-215.53	
33 01 30 72-0144	LF		22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,118.44	
			For Vinlyester Resin, Add	705.01	
			For Epoxy Resin, Add	83.09	
			For Up To >10, Add	837.45	
			For >10 To 25, Add	530.01	
			For >25 To 50, Add	368.37	
			For >50 To 100, Add	184.18	
			For >500 To 1,000, Deduct	-58.70	
			For >1,000 To 2,000, Deduct	-89.45	
			For >2,000 To 5,000, Deduct	-148.68	
			For >5,000, Deduct	-245.95	
33 01 30 72-0145	LF		22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,249.67	
			For Vinlyester Resin, Add	769.97	
			For Epoxy Resin, Add	90.75	
			For Up To >10, Add	999.11	
			For >10 To 25, Add	649.27	
			For >25 To 50, Add	444.56	
			For >50 To 100, Add	222.28	
			For >500 To 1,000, Deduct	-66.23	
			For >1,000 To 2,000, Deduct	-101.21	
			For >2,000 To 5,000, Deduct	-169.42	
			For >5,000, Deduct	-279.88	
<b>33 01 30 72-0146</b>			<b>24mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0147	LF		24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	306.80	
			For Vinlyester Resin, Add	196.97	
			For Epoxy Resin, Add	23.21	
			For Up To >10, Add	216.95	
			For >10 To 25, Add	133.90	
			For >25 To 50, Add	94.41	
			For >50 To 100, Add	47.20	
			For >500 To 1,000, Deduct	-15.98	
			For >1,000 To 2,000, Deduct	-24.28	
			For >2,000 To 5,000, Deduct	-40.12	
			For >5,000, Deduct	-66.44	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0148	LF		24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	358.36	
			For Vinlyester Resin, Add	231.62	
			For Epoxy Resin, Add	27.30	
			For Up To >10, Add	247.88	
			For >10 To 25, Add	151.42	
			For >25 To 50, Add	107.40	
			For >50 To 100, Add	53.70	
			For >500 To 1,000, Deduct	-18.61	
			For >1,000 To 2,000, Deduct	-28.25	
			For >2,000 To 5,000, Deduct	-46.58	
			For >5,000, Deduct	-77.17	
33 01 30 72-0149	LF		24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	410.37	
			For Vinlyester Resin, Add	266.27	
			For Epoxy Resin, Add	31.38	
			For Up To >10, Add	280.16	
			For >10 To 25, Add	170.07	
			For >25 To 50, Add	121.06	
			For >50 To 100, Add	60.53	
			For >500 To 1,000, Deduct	-21.27	
			For >1,000 To 2,000, Deduct	-32.28	
			For >2,000 To 5,000, Deduct	-53.14	
			For >5,000, Deduct	-88.07	
33 01 30 72-0150	LF		24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	462.82	
			For Vinlyester Resin, Add	300.91	
			For Epoxy Resin, Add	35.46	
			For Up To >10, Add	313.79	
			For >10 To 25, Add	189.84	
			For >25 To 50, Add	135.40	
			For >50 To 100, Add	67.70	
			For >500 To 1,000, Deduct	-23.96	
			For >1,000 To 2,000, Deduct	-36.36	
			For >2,000 To 5,000, Deduct	-59.82	
			For >5,000, Deduct	-99.15	
33 01 30 72-0151	LF		24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	516.09	
			For Vinlyester Resin, Add	335.56	
			For Epoxy Resin, Add	39.55	
			For Up To >10, Add	349.85	
			For >10 To 25, Add	211.64	
			For >25 To 50, Add	150.95	
			For >50 To 100, Add	75.48	
			For >500 To 1,000, Deduct	-26.72	
			For >1,000 To 2,000, Deduct	-40.54	
			For >2,000 To 5,000, Deduct	-66.70	
			For >5,000, Deduct	-110.56	
33 01 30 72-0152	LF		24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	619.64	
			For Vinlyester Resin, Add	404.85	
			For Epoxy Resin, Add	47.71	
			For Up To >10, Add	413.02	
			For >10 To 25, Add	247.79	
			For >25 To 50, Add	177.59	
			For >50 To 100, Add	88.80	
			For >500 To 1,000, Deduct	-32.01	
			For >1,000 To 2,000, Deduct	-48.54	
			For >2,000 To 5,000, Deduct	-79.72	
			For >5,000, Deduct	-132.18	
33 01 30 72-0153	LF		24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	751.94	
			For Vinlyester Resin, Add	493.39	
			For Epoxy Resin, Add	58.15	
			For Up To >10, Add	493.72	
			For >10 To 25, Add	293.96	
			For >25 To 50, Add	211.62	
			For >50 To 100, Add	105.81	
			For >500 To 1,000, Deduct	-38.77	
			For >1,000 To 2,000, Deduct	-58.75	
			For >2,000 To 5,000, Deduct	-96.36	
			For >5,000, Deduct	-159.81	
33 01 30 72-0154	LF		24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	831.31	
			For Vinlyester Resin, Add	543.45	
			For Epoxy Resin, Add	64.05	
			For Up To >10, Add	553.06	
			For >10 To 25, Add	331.49	
			For >25 To 50, Add	237.71	
			For >50 To 100, Add	118.86	
			For >500 To 1,000, Deduct	-42.94	
			For >1,000 To 2,000, Deduct	-65.10	
			For >2,000 To 5,000, Deduct	-106.90	
			For >5,000, Deduct	-177.25	
33 01 30 72-0155	LF		24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	941.36	
			For Vinlyester Resin, Add	612.74	
			For Epoxy Resin, Add	72.22	
			For Up To >10, Add	635.73	
			For >10 To 25, Add	383.89	
			For >25 To 50, Add	274.10	
			For >50 To 100, Add	137.05	
			For >500 To 1,000, Deduct	-48.72	
			For >1,000 To 2,000, Deduct	-73.90	
			For >2,000 To 5,000, Deduct	-121.55	
			For >5,000, Deduct	-201.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0156	LF		24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,060.08	
			For Vinylster Resin, Add	682.03	
			For Epoxy Resin, Add	80.38	
			For Up To >10, Add	744.42	
			For >10 To 25, Add	457.96	
			For >25 To 50, Add	323.49	
			For >50 To 100, Add	161.75	
			For >500 To 1,000, Deduct	-55.15	
			For >1,000 To 2,000, Deduct	-83.79	
			For >2,000 To 5,000, Deduct	-138.36	
			For >5,000, Deduct	-229.17	
33 01 30 72-0157	LF		24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,190.19	
			For Vinylster Resin, Add	751.32	
			For Epoxy Resin, Add	88.55	
			For Up To >10, Add	887.27	
			For >10 To 25, Add	560.51	
			For >25 To 50, Add	389.97	
			For >50 To 100, Add	194.98	
			For >500 To 1,000, Deduct	-62.43	
			For >1,000 To 2,000, Deduct	-95.11	
			For >2,000 To 5,000, Deduct	-158.02	
			For >5,000, Deduct	-261.41	
33 01 30 72-0158	LF		24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,329.43	
			For Vinylster Resin, Add	820.62	
			For Epoxy Resin, Add	96.72	
			For Up To >10, Add	1,057.52	
			For >10 To 25, Add	685.88	
			For >25 To 50, Add	470.14	
			For >50 To 100, Add	235.07	
			For >500 To 1,000, Deduct	-70.40	
			For >1,000 To 2,000, Deduct	-107.56	
			For >2,000 To 5,000, Deduct	-179.96	
			For >5,000, Deduct	-297.31	
<b>33 01 30 72-0159 25.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>					
33 01 30 72-0160	LF		25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	378.01	
			For Vinylster Resin, Add	245.37	
			For Epoxy Resin, Add	28.92	
			For Up To >10, Add	257.71	
			For >10 To 25, Add	156.33	
			For >25 To 50, Add	111.33	
			For >50 To 100, Add	55.66	
			For >500 To 1,000, Deduct	-19.59	
			For >1,000 To 2,000, Deduct	-29.72	
			For >2,000 To 5,000, Deduct	-48.93	
			For >5,000, Deduct	-81.10	
33 01 30 72-0161	LF		25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	433.10	
			For Vinylster Resin, Add	282.18	
			For Epoxy Resin, Add	33.26	
			For Up To >10, Add	291.53	
			For >10 To 25, Add	175.75	
			For >25 To 50, Add	125.61	
			For >50 To 100, Add	62.80	
			For >500 To 1,000, Deduct	-22.40	
			For >1,000 To 2,000, Deduct	-33.98	
			For >2,000 To 5,000, Deduct	-55.87	
			For >5,000, Deduct	-92.62	
33 01 30 72-0162	LF		25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	488.66	
			For Vinylster Resin, Add	319.00	
			For Epoxy Resin, Add	37.60	
			For Up To >10, Add	326.71	
			For >10 To 25, Add	196.30	
			For >25 To 50, Add	140.57	
			For >50 To 100, Add	70.28	
			For >500 To 1,000, Deduct	-25.26	
			For >1,000 To 2,000, Deduct	-38.30	
			For >2,000 To 5,000, Deduct	-62.92	
			For >5,000, Deduct	-104.32	
33 01 30 72-0163	LF		25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	545.02	
			For Vinylster Resin, Add	355.81	
			For Epoxy Resin, Add	41.93	
			For Up To >10, Add	364.31	
			For >10 To 25, Add	218.88	
			For >25 To 50, Add	156.74	
			For >50 To 100, Add	78.37	
			For >500 To 1,000, Deduct	-28.17	
			For >1,000 To 2,000, Deduct	-42.71	
			For >2,000 To 5,000, Deduct	-70.18	
			For >5,000, Deduct	-116.35	
33 01 30 72-0164	LF		25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	654.75	
			For Vinylster Resin, Add	429.43	
			For Epoxy Resin, Add	50.61	
			For Up To >10, Add	430.58	
			For >10 To 25, Add	256.57	
			For >25 To 50, Add	184.61	
			For >50 To 100, Add	92.31	
			For >500 To 1,000, Deduct	-33.77	
			For >1,000 To 2,000, Deduct	-51.17	
			For >2,000 To 5,000, Deduct	-83.94	
			For >5,000, Deduct	-139.21	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0165	LF		25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	765.75	
			For Vinylster Resin, Add	503.06	
			For Epoxy Resin, Add	59.29	
			For Up To >10, Add	500.63	
			For >10 To 25, Add	297.41	
			For >25 To 50, Add	214.38	
			For >50 To 100, Add	107.19	
			For >500 To 1,000, Deduct	-39.47	
			For >1,000 To 2,000, Deduct	-59.79	
			For >2,000 To 5,000, Deduct	-98.01	
			For >5,000, Deduct	-162.57	
33 01 30 72-0166	LF		25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	878.79	
			For Vinylster Resin, Add	576.68	
			For Epoxy Resin, Add	67.97	
			For Up To >10, Add	576.80	
			For >10 To 25, Add	343.36	
			For >25 To 50, Add	247.21	
			For >50 To 100, Add	123.60	
			For >500 To 1,000, Deduct	-45.31	
			For >1,000 To 2,000, Deduct	-68.66	
			For >2,000 To 5,000, Deduct	-112.60	
			For >5,000, Deduct	-186.75	
33 01 30 72-0167	LF		25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	995.03	
			For Vinylster Resin, Add	650.31	
			For Epoxy Resin, Add	76.64	
			For Up To >10, Add	662.57	
			For >10 To 25, Add	397.30	
			For >25 To 50, Add	284.83	
			For >50 To 100, Add	142.42	
			For >500 To 1,000, Deduct	-51.40	
			For >1,000 To 2,000, Deduct	-77.93	
			For >2,000 To 5,000, Deduct	-127.99	
			For >5,000, Deduct	-212.21	
33 01 30 72-0168	LF		25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,119.94	
			For Vinylster Resin, Add	723.93	
			For Epoxy Resin, Add	85.32	
			For Up To >10, Add	774.35	
			For >10 To 25, Add	472.92	
			For >25 To 50, Add	335.46	
			For >50 To 100, Add	167.73	
			For >500 To 1,000, Deduct	-58.14	
			For >1,000 To 2,000, Deduct	-88.28	
			For >2,000 To 5,000, Deduct	-145.54	
			For >5,000, Deduct	-241.14	
33 01 30 72-0169	LF		25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,256.24	
			For Vinylster Resin, Add	797.56	
			For Epoxy Resin, Add	94.00	
			For Up To >10, Add	920.30	
			For >10 To 25, Add	577.02	
			For >25 To 50, Add	403.18	
			For >50 To 100, Add	201.59	
			For >500 To 1,000, Deduct	-65.73	
			For >1,000 To 2,000, Deduct	-100.06	
			For >2,000 To 5,000, Deduct	-165.94	
			For >5,000, Deduct	-274.62	
33 01 30 72-0170	LF		25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,401.67	
			For Vinylster Resin, Add	871.19	
			For Epoxy Resin, Add	102.68	
			For Up To >10, Add	1,093.64	
			For >10 To 25, Add	703.94	
			For >25 To 50, Add	484.59	
			For >50 To 100, Add	242.30	
			For >500 To 1,000, Deduct	-74.01	
			For >1,000 To 2,000, Deduct	-112.98	
			For >2,000 To 5,000, Deduct	-188.63	
			For >5,000, Deduct	-311.76	
<b>33 01 30 72-0171</b>			<b>27mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small> .....		
33 01 30 72-0172	LF		27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	398.89	
			For Vinylster Resin, Add	259.04	
			For Epoxy Resin, Add	30.53	
			For Up To >10, Add	271.55	
			For >10 To 25, Add	164.61	
			For >25 To 50, Add	117.27	
			For >50 To 100, Add	58.64	
			For >500 To 1,000, Deduct	-20.67	
			For >1,000 To 2,000, Deduct	-31.36	
			For >2,000 To 5,000, Deduct	-51.62	
			For >5,000, Deduct	-85.55	
33 01 30 72-0173	LF		27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	457.20	
			For Vinylster Resin, Add	298.01	
			For Epoxy Resin, Add	35.12	
			For Up To >10, Add	307.28	
			For >10 To 25, Add	185.11	
			For >25 To 50, Add	132.35	
			For >50 To 100, Add	66.18	
			For >500 To 1,000, Deduct	-23.65	
			For >1,000 To 2,000, Deduct	-35.86	
			For >2,000 To 5,000, Deduct	-58.96	
			For >5,000, Deduct	-97.73	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0174	LF		27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	516.08	
			For Vinylster Resin, Add	336.99	
			For Epoxy Resin, Add	39.72	
			For Up To >10, Add	344.69	
			For >10 To 25, Add	207.01	
			For >25 To 50, Add	148.27	
			For >50 To 100, Add	74.14	
			For >500 To 1,000, Deduct	-26.67	
			For >1,000 To 2,000, Deduct	-40.44	
			For >2,000 To 5,000, Deduct	-66.44	
			For >5,000, Deduct	-110.15	
33 01 30 72-0175	LF		27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	575.64	
			For Vinylster Resin, Add	375.97	
			For Epoxy Resin, Add	44.31	
			For Up To >10, Add	384.17	
			For >10 To 25, Add	230.63	
			For >25 To 50, Add	165.23	
			For >50 To 100, Add	82.62	
			For >500 To 1,000, Deduct	-29.75	
			For >1,000 To 2,000, Deduct	-45.10	
			For >2,000 To 5,000, Deduct	-74.09	
			For >5,000, Deduct	-122.84	
33 01 30 72-0176	LF		27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	691.79	
			For Vinylster Resin, Add	453.92	
			For Epoxy Resin, Add	53.50	
			For Up To >10, Add	454.22	
			For >10 To 25, Add	270.44	
			For >25 To 50, Add	194.69	
			For >50 To 100, Add	97.34	
			For >500 To 1,000, Deduct	-35.67	
			For >1,000 To 2,000, Deduct	-54.05	
			For >2,000 To 5,000, Deduct	-88.65	
			For >5,000, Deduct	-147.02	
33 01 30 72-0177	LF		27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	809.32	
			For Vinylster Resin, Add	531.88	
			For Epoxy Resin, Add	62.69	
			For Up To >10, Add	528.39	
			For >10 To 25, Add	313.68	
			For >25 To 50, Add	226.20	
			For >50 To 100, Add	113.10	
			For >500 To 1,000, Deduct	-41.70	
			For >1,000 To 2,000, Deduct	-63.17	
			For >2,000 To 5,000, Deduct	-103.55	
			For >5,000, Deduct	-171.76	
33 01 30 72-0178	LF		27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	928.90	
			For Vinylster Resin, Add	609.84	
			For Epoxy Resin, Add	71.87	
			For Up To >10, Add	608.70	
			For >10 To 25, Add	362.05	
			For >25 To 50, Add	260.79	
			For >50 To 100, Add	130.40	
			For >500 To 1,000, Deduct	-47.89	
			For >1,000 To 2,000, Deduct	-72.55	
			For >2,000 To 5,000, Deduct	-118.97	
			For >5,000, Deduct	-197.32	
33 01 30 72-0179	LF		27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,051.66	
			For Vinylster Resin, Add	687.79	
			For Epoxy Resin, Add	81.06	
			For Up To >10, Add	698.58	
			For >10 To 25, Add	418.39	
			For >25 To 50, Add	300.16	
			For >50 To 100, Add	150.08	
			For >500 To 1,000, Deduct	-54.31	
			For >1,000 To 2,000, Deduct	-82.33	
			For >2,000 To 5,000, Deduct	-135.18	
			For >5,000, Deduct	-224.15	
33 01 30 72-0180	LF		27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,183.90	
			For Vinylster Resin, Add	765.75	
			For Epoxy Resin, Add	90.25	
			For Up To >10, Add	816.88	
			For >10 To 25, Add	498.41	
			For >25 To 50, Add	353.74	
			For >50 To 100, Add	176.87	
			For >500 To 1,000, Deduct	-61.44	
			For >1,000 To 2,000, Deduct	-93.29	
			For >2,000 To 5,000, Deduct	-153.76	
			For >5,000, Deduct	-254.77	
33 01 30 72-0181	LF		27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,327.99	
			For Vinylster Resin, Add	843.71	
			For Epoxy Resin, Add	99.44	
			For Up To >10, Add	970.72	
			For >10 To 25, Add	608.05	
			For >25 To 50, Add	425.10	
			For >50 To 100, Add	212.55	
			For >500 To 1,000, Deduct	-69.47	
			For >1,000 To 2,000, Deduct	-105.73	
			For >2,000 To 5,000, Deduct	-175.31	
			For >5,000, Deduct	-290.14	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0182	LF	27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,481.65	
			For Vinlyester Resin, Add	921.66	
			For Epoxy Resin, Add	108.62	
			For Up To >10, Add	1,153.30	
			For >10 To 25, Add	741.64	
			For >25 To 50, Add	510.82	
			For >50 To 100, Add	255.41	
			For >500 To 1,000, Deduct	-78.21	
			For >1,000 To 2,000, Deduct	-119.37	
			For >2,000 To 5,000, Deduct	-199.25	
			For >5,000, Deduct	-329.33	
<b>33 01 30</b>	<b>72-0183</b>		<b>28.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30	72-0184	LF	28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	479.70	
			For Vinlyester Resin, Add	313.76	
			For Epoxy Resin, Add	36.98	
			For Up To >10, Add	318.53	
			For >10 To 25, Add	190.73	
			For >25 To 50, Add	136.85	
			For >50 To 100, Add	68.43	
			For >500 To 1,000, Deduct	-24.77	
			For >1,000 To 2,000, Deduct	-37.55	
			For >2,000 To 5,000, Deduct	-61.66	
			For >5,000, Deduct	-102.23	
33 01 30	72-0185	LF	28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	541.66	
			For Vinlyester Resin, Add	354.90	
			For Epoxy Resin, Add	41.83	
			For Up To >10, Add	357.48	
			For >10 To 25, Add	213.40	
			For >25 To 50, Add	153.39	
			For >50 To 100, Add	76.70	
			For >500 To 1,000, Deduct	-27.95	
			For >1,000 To 2,000, Deduct	-42.36	
			For >2,000 To 5,000, Deduct	-69.51	
			For >5,000, Deduct	-115.26	
33 01 30	72-0186	LF	28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	604.32	
			For Vinlyester Resin, Add	396.05	
			For Epoxy Resin, Add	46.68	
			For Up To >10, Add	398.51	
			For >10 To 25, Add	237.80	
			For >25 To 50, Add	170.97	
			For >50 To 100, Add	85.48	
			For >500 To 1,000, Deduct	-31.18	
			For >1,000 To 2,000, Deduct	-47.25	
			For >2,000 To 5,000, Deduct	-77.53	
			For >5,000, Deduct	-128.57	
33 01 30	72-0187	LF	28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	763.58	
			For Vinlyester Resin, Add	502.66	
			For Epoxy Resin, Add	59.24	
			For Up To >10, Add	495.54	
			For >10 To 25, Add	293.27	
			For >25 To 50, Add	211.87	
			For >50 To 100, Add	105.93	
			For >500 To 1,000, Deduct	-39.32	
			For >1,000 To 2,000, Deduct	-59.54	
			For >2,000 To 5,000, Deduct	-97.54	
			For >5,000, Deduct	-161.82	
33 01 30	72-0188	LF	28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	850.37	
			For Vinlyester Resin, Add	560.62	
			For Epoxy Resin, Add	66.07	
			For Up To >10, Add	548.91	
			For >10 To 25, Add	323.95	
			For >25 To 50, Add	234.41	
			For >50 To 100, Add	117.21	
			For >500 To 1,000, Deduct	-43.76	
			For >1,000 To 2,000, Deduct	-66.25	
			For >2,000 To 5,000, Deduct	-108.48	
			For >5,000, Deduct	-179.97	
33 01 30	72-0189	LF	28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	976.14	
			For Vinlyester Resin, Add	642.91	
			For Epoxy Resin, Add	75.77	
			For Up To >10, Add	632.32	
			For >10 To 25, Add	373.86	
			For >25 To 50, Add	270.24	
			For >50 To 100, Add	135.12	
			For >500 To 1,000, Deduct	-50.25	
			For >1,000 To 2,000, Deduct	-76.10	
			For >2,000 To 5,000, Deduct	-124.64	
			For >5,000, Deduct	-206.77	
33 01 30	72-0190	LF	28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,105.32	
			For Vinlyester Resin, Add	725.19	
			For Epoxy Resin, Add	85.47	
			For Up To >10, Add	725.99	
			For >10 To 25, Add	432.32	
			For >25 To 50, Add	311.19	
			For >50 To 100, Add	155.60	
			For >500 To 1,000, Deduct	-57.00	
			For >1,000 To 2,000, Deduct	-86.37	
			For >2,000 To 5,000, Deduct	-141.65	
			For >5,000, Deduct	-234.93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0191	LF		28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,243.52	
			For Vinylster Resin, Add	807.49	
			For Epoxy Resin, Add	95.17	
			For Up To >10, Add	846.69	
			For >10 To 25, Add	513.31	
			For >25 To 50, Add	365.67	
			For >50 To 100, Add	182.83	
			For >500 To 1,000, Deduct	-64.43	
			For >1,000 To 2,000, Deduct	-97.76	
			For >2,000 To 5,000, Deduct	-160.92	
			For >5,000, Deduct	-266.70	
33 01 30 72-0192	LF		28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,393.79	
			For Vinylster Resin, Add	889.77	
			For Epoxy Resin, Add	104.87	
			For Up To >10, Add	1,003.62	
			For >10 To 25, Add	624.50	
			For >25 To 50, Add	438.26	
			For >50 To 100, Add	219.13	
			For >500 To 1,000, Deduct	-72.76	
			For >1,000 To 2,000, Deduct	-110.67	
			For >2,000 To 5,000, Deduct	-183.20	
			For >5,000, Deduct	-303.30	
33 01 30 72-0193	LF		28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,553.64	
			For Vinylster Resin, Add	972.06	
			For Epoxy Resin, Add	114.56	
			For Up To >10, Add	1,189.30	
			For >10 To 25, Add	759.64	
			For >25 To 50, Add	525.22	
			For >50 To 100, Add	262.61	
			For >500 To 1,000, Deduct	-81.81	
			For >1,000 To 2,000, Deduct	-124.77	
			For >2,000 To 5,000, Deduct	-207.89	
			For >5,000, Deduct	-343.73	
<b>33 01 30 72-0194 30mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small></b>					
33 01 30 72-0195	LF		30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	503.67	
			For Vinylster Resin, Add	329.42	
			For Epoxy Resin, Add	38.82	
			For Up To >10, Add	334.51	
			For >10 To 25, Add	200.33	
			For >25 To 50, Add	143.73	
			For >50 To 100, Add	71.86	
			For >500 To 1,000, Deduct	-26.01	
			For >1,000 To 2,000, Deduct	-39.43	
			For >2,000 To 5,000, Deduct	-64.74	
			For >5,000, Deduct	-107.35	
33 01 30 72-0196	LF		30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	568.85	
			For Vinylster Resin, Add	372.73	
			For Epoxy Resin, Add	43.93	
			For Up To >10, Add	375.38	
			For >10 To 25, Add	224.07	
			For >25 To 50, Add	161.06	
			For >50 To 100, Add	80.53	
			For >500 To 1,000, Deduct	-29.35	
			For >1,000 To 2,000, Deduct	-44.48	
			For >2,000 To 5,000, Deduct	-72.99	
			For >5,000, Deduct	-121.05	
33 01 30 72-0197	LF		30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	634.82	
			For Vinylster Resin, Add	416.04	
			For Epoxy Resin, Add	49.03	
			For Up To >10, Add	418.61	
			For >10 To 25, Add	249.79	
			For >25 To 50, Add	179.59	
			For >50 To 100, Add	89.79	
			For >500 To 1,000, Deduct	-32.75	
			For >1,000 To 2,000, Deduct	-49.64	
			For >2,000 To 5,000, Deduct	-81.44	
			For >5,000, Deduct	-135.06	
33 01 30 72-0198	LF		30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	763.58	
			For Vinylster Resin, Add	502.66	
			For Epoxy Resin, Add	59.24	
			For Up To >10, Add	495.54	
			For >10 To 25, Add	293.27	
			For >25 To 50, Add	211.87	
			For >50 To 100, Add	105.93	
			For >500 To 1,000, Deduct	-39.32	
			For >1,000 To 2,000, Deduct	-59.54	
			For >2,000 To 5,000, Deduct	-97.54	
			For >5,000, Deduct	-161.82	
33 01 30 72-0199	LF		30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	893.81	
			For Vinylster Resin, Add	589.27	
			For Epoxy Resin, Add	69.45	
			For Up To >10, Add	576.88	
			For >10 To 25, Add	340.43	
			For >25 To 50, Add	246.35	
			For >50 To 100, Add	123.17	
			For >500 To 1,000, Deduct	-45.99	
			For >1,000 To 2,000, Deduct	-69.64	
			For >2,000 To 5,000, Deduct	-114.02	
			For >5,000, Deduct	-189.16	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0200	LF		30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,026.22	
			For Vinlyester Resin, Add	675.89	
			For Epoxy Resin, Add	79.66	
			For Up To >10, Add	664.76	
			For >10 To 25, Add	393.04	
			For >25 To 50, Add	284.10	
			For >50 To 100, Add	142.05	
			For >500 To 1,000, Deduct	-52.83	
			For >1,000 To 2,000, Deduct	-80.00	
			For >2,000 To 5,000, Deduct	-131.03	
			For >5,000, Deduct	-217.38	
33 01 30 72-0201	LF		30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,162.04	
			For Vinlyester Resin, Add	762.51	
			For Epoxy Resin, Add	89.87	
			For Up To >10, Add	762.87	
			For >10 To 25, Add	454.18	
			For >25 To 50, Add	326.97	
			For >50 To 100, Add	163.49	
			For >500 To 1,000, Deduct	-59.92	
			For >1,000 To 2,000, Deduct	-90.79	
			For >2,000 To 5,000, Deduct	-148.90	
			For >5,000, Deduct	-246.96	
33 01 30 72-0202	LF		30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,307.56	
			For Vinlyester Resin, Add	849.13	
			For Epoxy Resin, Add	100.08	
			For Up To >10, Add	890.08	
			For >10 To 25, Add	539.56	
			For >25 To 50, Add	384.39	
			For >50 To 100, Add	192.19	
			For >500 To 1,000, Deduct	-67.74	
			For >1,000 To 2,000, Deduct	-102.79	
			For >2,000 To 5,000, Deduct	-169.19	
			For >5,000, Deduct	-280.42	
33 01 30 72-0203	LF		30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,465.62	
			For Vinlyester Resin, Add	935.75	
			For Epoxy Resin, Add	110.28	
			For Up To >10, Add	1,054.91	
			For >10 To 25, Add	656.30	
			For >25 To 50, Add	460.62	
			For >50 To 100, Add	230.31	
			For >500 To 1,000, Deduct	-76.50	
			For >1,000 To 2,000, Deduct	-116.36	
			For >2,000 To 5,000, Deduct	-192.62	
			For >5,000, Deduct	-318.89	
33 01 30 72-0204	LF		30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,633.72	
			For Vinlyester Resin, Add	1,022.36	
			For Epoxy Resin, Add	120.49	
			For Up To >10, Add	1,249.86	
			For >10 To 25, Add	798.13	
			For >25 To 50, Add	551.90	
			For >50 To 100, Add	275.95	
			For >500 To 1,000, Deduct	-86.02	
			For >1,000 To 2,000, Deduct	-131.19	
			For >2,000 To 5,000, Deduct	-218.56	
			For >5,000, Deduct	-361.38	
<b>33 01 30 72-0205</b>			<b>31.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0206	LF		31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	525.92	
			For Vinlyester Resin, Add	345.00	
			For Epoxy Resin, Add	40.66	
			For Up To >10, Add	345.64	
			For >10 To 25, Add	205.89	
			For >25 To 50, Add	148.18	
			For >50 To 100, Add	74.09	
			For >500 To 1,000, Deduct	-27.12	
			For >1,000 To 2,000, Deduct	-41.10	
			For >2,000 To 5,000, Deduct	-67.41	
			For >5,000, Deduct	-111.80	
33 01 30 72-0207	LF		31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	594.20	
			For Vinlyester Resin, Add	390.47	
			For Epoxy Resin, Add	46.02	
			For Up To >10, Add	388.05	
			For >10 To 25, Add	230.41	
			For >25 To 50, Add	166.13	
			For >50 To 100, Add	83.07	
			For >500 To 1,000, Deduct	-30.62	
			For >1,000 To 2,000, Deduct	-46.38	
			For >2,000 To 5,000, Deduct	-76.03	
			For >5,000, Deduct	-126.12	
33 01 30 72-0208	LF		31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	663.26	
			For Vinlyester Resin, Add	435.95	
			For Epoxy Resin, Add	51.38	
			For Up To >10, Add	432.83	
			For >10 To 25, Add	256.90	
			For >25 To 50, Add	185.28	
			For >50 To 100, Add	92.64	
			For >500 To 1,000, Deduct	-34.18	
			For >1,000 To 2,000, Deduct	-51.77	
			For >2,000 To 5,000, Deduct	-84.85	
			For >5,000, Deduct	-140.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0209	LF		31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	798.21	
			For Vinylster Resin, Add	526.90	
			For Epoxy Resin, Add	62.10	
			For Up To >10, Add	512.86	
			For >10 To 25, Add	301.93	
			For >25 To 50, Add	218.79	
			For >50 To 100, Add	109.40	
			For >500 To 1,000, Deduct	-41.05	
			For >1,000 To 2,000, Deduct	-62.14	
			For >2,000 To 5,000, Deduct	-101.70	
			For >5,000, Deduct	-168.74	
33 01 30 72-0210	LF		31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	934.62	
			For Vinylster Resin, Add	617.84	
			For Epoxy Resin, Add	72.82	
			For Up To >10, Add	597.29	
			For >10 To 25, Add	350.63	
			For >25 To 50, Add	254.51	
			For >50 To 100, Add	127.26	
			For >500 To 1,000, Deduct	-48.03	
			For >1,000 To 2,000, Deduct	-72.70	
			For >2,000 To 5,000, Deduct	-118.91	
			For >5,000, Deduct	-197.32	
33 01 30 72-0211	LF		31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,073.22	
			For Vinylster Resin, Add	708.79	
			For Epoxy Resin, Add	83.54	
			For Up To >10, Add	688.26	
			For >10 To 25, Add	404.79	
			For >25 To 50, Add	293.50	
			For >50 To 100, Add	146.75	
			For >500 To 1,000, Deduct	-55.18	
			For >1,000 To 2,000, Deduct	-83.52	
			For >2,000 To 5,000, Deduct	-136.67	
			For >5,000, Deduct	-226.78	
33 01 30 72-0212	LF		31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,215.23	
			For Vinylster Resin, Add	799.74	
			For Epoxy Resin, Add	94.26	
			For Up To >10, Add	789.47	
			For >10 To 25, Add	467.47	
			For >25 To 50, Add	337.61	
			For >50 To 100, Add	168.80	
			For >500 To 1,000, Deduct	-62.58	
			For >1,000 To 2,000, Deduct	-94.78	
			For >2,000 To 5,000, Deduct	-155.28	
			For >5,000, Deduct	-257.59	
33 01 30 72-0213	LF		31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,366.93	
			For Vinylster Resin, Add	890.69	
			For Epoxy Resin, Add	104.97	
			For Up To >10, Add	919.77	
			For >10 To 25, Add	554.40	
			For >25 To 50, Add	396.26	
			For >50 To 100, Add	198.13	
			For >500 To 1,000, Deduct	-70.71	
			For >1,000 To 2,000, Deduct	-107.25	
			For >2,000 To 5,000, Deduct	-176.32	
			For >5,000, Deduct	-292.29	
33 01 30 72-0214	LF		31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,531.18	
			For Vinylster Resin, Add	981.64	
			For Epoxy Resin, Add	115.69	
			For Up To >10, Add	1,087.69	
			For >10 To 25, Add	672.69	
			For >25 To 50, Add	473.73	
			For >50 To 100, Add	236.86	
			For >500 To 1,000, Deduct	-79.78	
			For >1,000 To 2,000, Deduct	-121.28	
			For >2,000 To 5,000, Deduct	-200.49	
			For >5,000, Deduct	-332.00	
33 01 30 72-0215	LF		31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,715.93	
			For Vinylster Resin, Add	1,079.91	
			For Epoxy Resin, Add	127.28	
			For Up To >10, Add	1,290.97	
			For >10 To 25, Add	818.68	
			For >25 To 50, Add	568.35	
			For >50 To 100, Add	284.17	
			For >500 To 1,000, Deduct	-90.13	
			For >1,000 To 2,000, Deduct	-137.35	
			For >2,000 To 5,000, Deduct	-228.43	
			For >5,000, Deduct	-377.83	
33 01 30 72-0216			<b>33mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0217	LF		33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	549.76	
			For Vinylster Resin, Add	360.49	
			For Epoxy Resin, Add	42.49	
			For Up To >10, Add	361.83	
			For >10 To 25, Add	215.70	
			For >25 To 50, Add	155.17	
			For >50 To 100, Add	77.58	
			For >500 To 1,000, Deduct	-28.36	
			For >1,000 To 2,000, Deduct	-42.97	
			For >2,000 To 5,000, Deduct	-70.49	
			For >5,000, Deduct	-116.91	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0218	LF		33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	621.24	
			For Vinlyester Resin, Add	408.13	
			For Epoxy Resin, Add	48.10	
			For Up To >10, Add	406.12	
			For >10 To 25, Add	241.26	
			For >25 To 50, Add	173.91	
			For >50 To 100, Add	86.95	
			For >500 To 1,000, Deduct	-32.02	
			For >1,000 To 2,000, Deduct	-48.50	
			For >2,000 To 5,000, Deduct	-79.51	
			For >5,000, Deduct	-131.89	
33 01 30 72-0219	LF		33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	693.51	
			For Vinlyester Resin, Add	455.77	
			For Epoxy Resin, Add	53.72	
			For Up To >10, Add	452.78	
			For >10 To 25, Add	268.80	
			For >25 To 50, Add	193.84	
			For >50 To 100, Add	96.92	
			For >500 To 1,000, Deduct	-35.74	
			For >1,000 To 2,000, Deduct	-54.13	
			For >2,000 To 5,000, Deduct	-88.73	
			For >5,000, Deduct	-147.18	
33 01 30 72-0220	LF		33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	834.98	
			For Vinlyester Resin, Add	551.05	
			For Epoxy Resin, Add	64.94	
			For Up To >10, Add	536.92	
			For >10 To 25, Add	316.23	
			For >25 To 50, Add	229.10	
			For >50 To 100, Add	114.55	
			For >500 To 1,000, Deduct	-42.94	
			For >1,000 To 2,000, Deduct	-65.01	
			For >2,000 To 5,000, Deduct	-106.41	
			For >5,000, Deduct	-176.55	
33 01 30 72-0221	LF		33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	977.94	
			For Vinlyester Resin, Add	646.32	
			For Epoxy Resin, Add	76.17	
			For Up To >10, Add	625.52	
			For >10 To 25, Add	367.38	
			For >25 To 50, Add	266.59	
			For >50 To 100, Add	133.30	
			For >500 To 1,000, Deduct	-50.26	
			For >1,000 To 2,000, Deduct	-76.08	
			For >2,000 To 5,000, Deduct	-124.45	
			For >5,000, Deduct	-206.51	
33 01 30 72-0222	LF		33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,123.06	
			For Vinlyester Resin, Add	741.61	
			For Epoxy Resin, Add	87.40	
			For Up To >10, Add	720.58	
			For >10 To 25, Add	423.91	
			For >25 To 50, Add	307.32	
			For >50 To 100, Add	153.66	
			For >500 To 1,000, Deduct	-57.74	
			For >1,000 To 2,000, Deduct	-87.41	
			For >2,000 To 5,000, Deduct	-143.04	
			For >5,000, Deduct	-237.34	
33 01 30 72-0223	LF		33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,271.95	
			For Vinlyester Resin, Add	836.89	
			For Epoxy Resin, Add	98.63	
			For Up To >10, Add	826.98	
			For >10 To 25, Add	489.89	
			For >25 To 50, Add	353.71	
			For >50 To 100, Add	176.86	
			For >500 To 1,000, Deduct	-65.51	
			For >1,000 To 2,000, Deduct	-99.22	
			For >2,000 To 5,000, Deduct	-162.57	
			For >5,000, Deduct	-269.67	
33 01 30 72-0224	LF		33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,430.87	
			For Vinlyester Resin, Add	932.17	
			For Epoxy Resin, Add	109.86	
			For Up To >10, Add	963.44	
			For >10 To 25, Add	580.92	
			For >25 To 50, Add	415.13	
			For >50 To 100, Add	207.57	
			For >500 To 1,000, Deduct	-74.02	
			For >1,000 To 2,000, Deduct	-112.28	
			For >2,000 To 5,000, Deduct	-184.60	
			For >5,000, Deduct	-306.01	
33 01 30 72-0225	LF		33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,603.01	
			For Vinlyester Resin, Add	1,027.45	
			For Epoxy Resin, Add	121.09	
			For Up To >10, Add	1,139.58	
			For >10 To 25, Add	705.02	
			For >25 To 50, Add	496.40	
			For >50 To 100, Add	248.20	
			For >500 To 1,000, Deduct	-83.53	
			For >1,000 To 2,000, Deduct	-126.99	
			For >2,000 To 5,000, Deduct	-209.94	
			For >5,000, Deduct	-347.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0226	LF		33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,785.76	
			For Vinylster Resin, Add	1,122.72	
			For Epoxy Resin, Add	132.32	
			For Up To >10, Add	1,347.56	
			For >10 To 25, Add	855.65	
			For >25 To 50, Add	593.58	
			For >50 To 100, Add	296.79	
			For >500 To 1,000, Deduct	-93.83	
			For >1,000 To 2,000, Deduct	-143.03	
			For >2,000 To 5,000, Deduct	-237.93	
			For >5,000, Deduct	-393.53	
33 01 30 72-0227			<b>34.5mm Thick Lining Cured In-Place Pipe</b> (33 01 30 72-0015)		
33 01 30 72-0228	LF		34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	646.34	
			For Vinylster Resin, Add	425.70	
			For Epoxy Resin, Add	50.17	
			For Up To >10, Add	418.67	
			For >10 To 25, Add	247.54	
			For >25 To 50, Add	178.93	
			For >50 To 100, Add	89.46	
			For >500 To 1,000, Deduct	-33.27	
			For >1,000 To 2,000, Deduct	-50.39	
			For >2,000 To 5,000, Deduct	-82.53	
			For >5,000, Deduct	-136.91	
33 01 30 72-0229	LF		34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	721.70	
			For Vinylster Resin, Add	475.50	
			For Epoxy Resin, Add	56.04	
			For Up To >10, Add	466.88	
			For >10 To 25, Add	275.85	
			For >25 To 50, Add	199.47	
			For >50 To 100, Add	99.74	
			For >500 To 1,000, Deduct	-37.15	
			For >1,000 To 2,000, Deduct	-56.25	
			For >2,000 To 5,000, Deduct	-92.12	
			For >5,000, Deduct	-152.82	
33 01 30 72-0230	LF		34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	869.36	
			For Vinylster Resin, Add	575.11	
			For Epoxy Resin, Add	67.78	
			For Up To >10, Add	554.11	
			For >10 To 25, Add	324.82	
			For >25 To 50, Add	235.97	
			For >50 To 100, Add	117.99	
			For >500 To 1,000, Deduct	-44.66	
			For >1,000 To 2,000, Deduct	-67.59	
			For >2,000 To 5,000, Deduct	-110.53	
			For >5,000, Deduct	-183.43	
33 01 30 72-0231	LF		34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,018.51	
			For Vinylster Resin, Add	674.72	
			For Epoxy Resin, Add	79.52	
			For Up To >10, Add	645.81	
			For >10 To 25, Add	377.52	
			For >25 To 50, Add	274.71	
			For >50 To 100, Add	137.35	
			For >500 To 1,000, Deduct	-52.29	
			For >1,000 To 2,000, Deduct	-79.12	
			For >2,000 To 5,000, Deduct	-129.32	
			For >5,000, Deduct	-214.63	
33 01 30 72-0232	LF		34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,169.81	
			For Vinylster Resin, Add	774.33	
			For Epoxy Resin, Add	91.26	
			For Up To >10, Add	743.96	
			For >10 To 25, Add	435.60	
			For >25 To 50, Add	316.67	
			For >50 To 100, Add	158.33	
			For >500 To 1,000, Deduct	-60.08	
			For >1,000 To 2,000, Deduct	-90.92	
			For >2,000 To 5,000, Deduct	-148.65	
			For >5,000, Deduct	-246.69	
33 01 30 72-0233	LF		34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,324.90	
			For Vinylster Resin, Add	873.95	
			For Epoxy Resin, Add	103.00	
			For Up To >10, Add	853.45	
			For >10 To 25, Add	503.13	
			For >25 To 50, Add	364.30	
			For >50 To 100, Add	182.15	
			For >500 To 1,000, Deduct	-68.16	
			For >1,000 To 2,000, Deduct	-103.19	
			For >2,000 To 5,000, Deduct	-168.92	
			For >5,000, Deduct	-280.26	
33 01 30 72-0234	LF		34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,490.00	
			For Vinylster Resin, Add	973.56	
			For Epoxy Resin, Add	114.74	
			For Up To >10, Add	993.00	
			For >10 To 25, Add	595.70	
			For >25 To 50, Add	426.96	
			For >50 To 100, Add	213.48	
			For >500 To 1,000, Deduct	-76.98	
			For >1,000 To 2,000, Deduct	-116.71	
			For >2,000 To 5,000, Deduct	-191.70	
			For >5,000, Deduct	-317.84	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0235	LF		34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,668.32	
			For Vinlyester Resin, Add	1,073.16	
			For Epoxy Resin, Add	126.48	
			For Up To >10, Add	1,172.24	
			For >10 To 25, Add	72.135	
			For >25 To 50, Add	509.46	
			For >50 To 100, Add	254.73	
			For >500 To 1,000, Deduct	-86.80	
			For >1,000 To 2,000, Deduct	-131.89	
			For >2,000 To 5,000, Deduct	-217.78	
			For >5,000, Deduct	-360.71	
33 01 30 72-0236	LF		34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,857.26	
			For Vinlyester Resin, Add	1,172.77	
			For Epoxy Resin, Add	138.22	
			For Up To >10, Add	1,383.31	
			For >10 To 25, Add	873.52	
			For >25 To 50, Add	607.88	
			For >50 To 100, Add	303.94	
			For >500 To 1,000, Deduct	-97.41	
			For >1,000 To 2,000, Deduct	-148.39	
			For >2,000 To 5,000, Deduct	-246.51	
			For >5,000, Deduct	-407.83	
<b>33 01 30 72-0237</b>			<b>36mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0238	LF		36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	673.26	
			For Vinlyester Resin, Add	443.18	
			For Epoxy Resin, Add	52.23	
			For Up To >10, Add	436.98	
			For >10 To 25, Add	258.63	
			For >25 To 50, Add	186.83	
			For >50 To 100, Add	93.42	
			For >500 To 1,000, Deduct	-34.67	
			For >1,000 To 2,000, Deduct	-52.50	
			For >2,000 To 5,000, Deduct	-86.01	
			For >5,000, Deduct	-142.68	
33 01 30 72-0239	LF		36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	751.95	
			For Vinlyester Resin, Add	495.15	
			For Epoxy Resin, Add	58.36	
			For Up To >10, Add	487.45	
			For >10 To 25, Add	288.32	
			For >25 To 50, Add	208.36	
			For >50 To 100, Add	104.18	
			For >500 To 1,000, Deduct	-38.71	
			For >1,000 To 2,000, Deduct	-58.63	
			For >2,000 To 5,000, Deduct	-96.03	
			For >5,000, Deduct	-159.31	
33 01 30 72-0240	LF		36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	906.02	
			For Vinlyester Resin, Add	599.10	
			For Epoxy Resin, Add	70.61	
			For Up To >10, Add	578.44	
			For >10 To 25, Add	339.39	
			For >25 To 50, Add	246.43	
			For >50 To 100, Add	123.21	
			For >500 To 1,000, Deduct	-46.56	
			For >1,000 To 2,000, Deduct	-70.46	
			For >2,000 To 5,000, Deduct	-115.24	
			For >5,000, Deduct	-191.24	
33 01 30 72-0241	LF		36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,061.69	
			For Vinlyester Resin, Add	703.04	
			For Epoxy Resin, Add	82.86	
			For Up To >10, Add	674.22	
			For >10 To 25, Add	394.46	
			For >25 To 50, Add	286.89	
			For >50 To 100, Add	143.45	
			For >500 To 1,000, Deduct	-54.52	
			For >1,000 To 2,000, Deduct	-82.49	
			For >2,000 To 5,000, Deduct	-134.86	
			For >5,000, Deduct	-223.81	
33 01 30 72-0242	LF		36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,219.65	
			For Vinlyester Resin, Add	806.98	
			For Epoxy Resin, Add	95.11	
			For Up To >10, Add	776.88	
			For >10 To 25, Add	455.26	
			For >25 To 50, Add	330.80	
			For >50 To 100, Add	165.40	
			For >500 To 1,000, Deduct	-62.65	
			For >1,000 To 2,000, Deduct	-94.81	
			For >2,000 To 5,000, Deduct	-155.04	
			For >5,000, Deduct	-257.29	
33 01 30 72-0243	LF		36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,381.59	
			For Vinlyester Resin, Add	910.92	
			For Epoxy Resin, Add	107.36	
			For Up To >10, Add	891.47	
			For >10 To 25, Add	526.01	
			For >25 To 50, Add	380.67	
			For >50 To 100, Add	190.33	
			For >500 To 1,000, Deduct	-71.09	
			For >1,000 To 2,000, Deduct	-107.63	
			For >2,000 To 5,000, Deduct	-176.23	
			For >5,000, Deduct	-292.37	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0244	LF		36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,554.01	
			For Vinylster Resin, Add	1,014.86	
			For Epoxy Resin, Add	119.61	
			For Up To >10, Add	1,037.53	
			For >10 To 25, Add	622.98	
			For >25 To 50, Add	446.28	
			For >50 To 100, Add	223.14	
			For >500 To 1,000, Deduct	-80.31	
			For >1,000 To 2,000, Deduct	-121.76	
			For >2,000 To 5,000, Deduct	-200.03	
			For >5,000, Deduct	-331.64	
33 01 30 72-0245	LF		36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,740.36	
			For Vinylster Resin, Add	1,118.80	
			For Epoxy Resin, Add	131.86	
			For Up To >10, Add	1,225.36	
			For >10 To 25, Add	754.75	
			For >25 To 50, Add	532.76	
			For >50 To 100, Add	266.38	
			For >500 To 1,000, Deduct	-90.57	
			For >1,000 To 2,000, Deduct	-137.63	
			For >2,000 To 5,000, Deduct	-227.31	
			For >5,000, Deduct	-376.49	
33 01 30 72-0246	LF		36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,937.77	
			For Vinylster Resin, Add	1,222.75	
			For Epoxy Resin, Add	144.11	
			For Up To >10, Add	1,446.36	
			For >10 To 25, Add	914.17	
			For >25 To 50, Add	635.84	
			For >50 To 100, Add	317.92	
			For >500 To 1,000, Deduct	-101.66	
			For >1,000 To 2,000, Deduct	-154.88	
			For >2,000 To 5,000, Deduct	-257.36	
			For >5,000, Deduct	-425.75	
<b>33 01 30 72-0247 37.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>					
33 01 30 72-0248	LF		37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	779.90	
			For Vinylster Resin, Add	514.72	
			For Epoxy Resin, Add	60.66	
			For Up To >10, Add	501.43	
			For >10 To 25, Add	295.30	
			For >25 To 50, Add	213.95	
			For >50 To 100, Add	106.97	
			For >500 To 1,000, Deduct	-40.11	
			For >1,000 To 2,000, Deduct	-60.72	
			For >2,000 To 5,000, Deduct	-99.38	
			For >5,000, Deduct	-164.90	
33 01 30 72-0249	LF		37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	940.16	
			For Vinylster Resin, Add	622.99	
			For Epoxy Resin, Add	73.42	
			For Up To >10, Add	595.51	
			For >10 To 25, Add	347.92	
			For >25 To 50, Add	253.25	
			For >50 To 100, Add	126.63	
			For >500 To 1,000, Deduct	-48.26	
			For >1,000 To 2,000, Deduct	-73.02	
			For >2,000 To 5,000, Deduct	-119.34	
			For >5,000, Deduct	-198.07	
33 01 30 72-0250	LF		37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,102.01	
			For Vinylster Resin, Add	731.26	
			For Epoxy Resin, Add	86.18	
			For Up To >10, Add	694.38	
			For >10 To 25, Add	404.54	
			For >25 To 50, Add	294.96	
			For >50 To 100, Add	147.48	
			For >500 To 1,000, Deduct	-56.53	
			For >1,000 To 2,000, Deduct	-85.52	
			For >2,000 To 5,000, Deduct	-139.70	
			For >5,000, Deduct	-231.87	
33 01 30 72-0251	LF		37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,266.16	
			For Vinylster Resin, Add	839.54	
			For Epoxy Resin, Add	98.95	
			For Up To >10, Add	800.13	
			For >10 To 25, Add	466.89	
			For >25 To 50, Add	340.10	
			For >50 To 100, Add	170.05	
			For >500 To 1,000, Deduct	-64.98	
			For >1,000 To 2,000, Deduct	-98.30	
			For >2,000 To 5,000, Deduct	-160.63	
			For >5,000, Deduct	-266.60	
33 01 30 72-0252	LF		37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,434.29	
			For Vinylster Resin, Add	947.81	
			For Epoxy Resin, Add	111.71	
			For Up To >10, Add	917.82	
			For >10 To 25, Add	539.18	
			For >25 To 50, Add	391.21	
			For >50 To 100, Add	195.60	
			For >500 To 1,000, Deduct	-73.72	
			For >1,000 To 2,000, Deduct	-111.59	
			For >2,000 To 5,000, Deduct	-182.55	
			For >5,000, Deduct	-302.91	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0253	LF		37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,612.90	
			For Vinlyester Resin, Add	1,056.08	
			For Epoxy Resin, Add	124.47	
			For Up To >10, Add	1,066.98	
			For >10 To 25, Add	637.70	
			For >25 To 50, Add	458.05	
			For >50 To 100, Add	229.03	
			For >500 To 1,000, Deduct	-83.25	
			For >1,000 To 2,000, Deduct	-126.18	
			For >2,000 To 5,000, Deduct	-207.10	
			For >5,000, Deduct	-343.42	
33 01 30 72-0254	LF		37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,805.43	
			For Vinlyester Resin, Add	1,164.35	
			For Epoxy Resin, Add	137.23	
			For Up To >10, Add	1,257.89	
			For >10 To 25, Add	771.02	
			For >25 To 50, Add	545.78	
			For >50 To 100, Add	272.89	
			For >500 To 1,000, Deduct	-93.82	
			For >1,000 To 2,000, Deduct	-142.51	
			For >2,000 To 5,000, Deduct	-235.12	
			For >5,000, Deduct	-389.50	
33 01 30 72-0255	LF		37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	2,009.03	
			For Vinlyester Resin, Add	1,272.63	
			For Epoxy Resin, Add	149.99	
			For Up To >10, Add	1,481.99	
			For >10 To 25, Add	931.99	
			For >25 To 50, Add	650.09	
			For >50 To 100, Add	325.05	
			For >500 To 1,000, Deduct	-105.23	
			For >1,000 To 2,000, Deduct	-160.23	
			For >2,000 To 5,000, Deduct	-265.91	
			For >5,000, Deduct	-440.00	
<b>33 01 30 72-0256</b>			<b>39mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small></b> .....		
33 01 30 72-0257	LF		39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	976.68	
			For Vinlyester Resin, Add	646.80	
			For Epoxy Resin, Add	76.23	
			For Up To >10, Add	620.04	
			For >10 To 25, Add	362.70	
			For >25 To 50, Add	263.82	
			For >50 To 100, Add	131.91	
			For >500 To 1,000, Deduct	-50.15	
			For >1,000 To 2,000, Deduct	-75.89	
			For >2,000 To 5,000, Deduct	-124.05	
			For >5,000, Deduct	-205.87	
33 01 30 72-0258	LF		39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,145.07	
			For Vinlyester Resin, Add	759.41	
			For Epoxy Resin, Add	89.50	
			For Up To >10, Add	723.04	
			For >10 To 25, Add	421.72	
			For >25 To 50, Add	307.27	
			For >50 To 100, Add	153.64	
			For >500 To 1,000, Deduct	-58.76	
			For >1,000 To 2,000, Deduct	-88.89	
			For >2,000 To 5,000, Deduct	-145.23	
			For >5,000, Deduct	-241.05	
33 01 30 72-0259	LF		39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,315.97	
			For Vinlyester Resin, Add	872.01	
			For Epoxy Resin, Add	102.77	
			For Up To >10, Add	833.59	
			For >10 To 25, Add	487.03	
			For >25 To 50, Add	354.51	
			For >50 To 100, Add	177.25	
			For >500 To 1,000, Deduct	-67.55	
			For >1,000 To 2,000, Deduct	-102.21	
			For >2,000 To 5,000, Deduct	-167.05	
			For >5,000, Deduct	-277.24	
33 01 30 72-0260	LF		39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,490.86	
			For Vinlyester Resin, Add	984.61	
			For Epoxy Resin, Add	116.04	
			For Up To >10, Add	956.11	
			For >10 To 25, Add	562.32	
			For >25 To 50, Add	407.72	
			For >50 To 100, Add	203.86	
			For >500 To 1,000, Deduct	-76.65	
			For >1,000 To 2,000, Deduct	-116.03	
			For >2,000 To 5,000, Deduct	-189.86	
			For >5,000, Deduct	-315.03	
33 01 30 72-0261	LF		39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,676.80	
			For Vinlyester Resin, Add	1,097.22	
			For Epoxy Resin, Add	129.31	
			For Up To >10, Add	1,111.78	
			For >10 To 25, Add	665.24	
			For >25 To 50, Add	477.52	
			For >50 To 100, Add	238.76	
			For >500 To 1,000, Deduct	-86.57	
			For >1,000 To 2,000, Deduct	-131.23	
			For >2,000 To 5,000, Deduct	-215.43	
			For >5,000, Deduct	-357.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0262	LF		39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,877.46	
			For Vinylster Resin, Add	1,209.82	
			For Epoxy Resin, Add	142.59	
			For Up To >10, Add	1,311.58	
			For >10 To 25, Add	804.93	
			For >25 To 50, Add	569.37	
			For >50 To 100, Add	284.69	
			For >500 To 1,000, Deduct	-97.60	
			For >1,000 To 2,000, Deduct	-148.27	
			For >2,000 To 5,000, Deduct	-244.68	
			For >5,000, Deduct	-405.32	
33 01 30 72-0263	LF		39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,089.85	
			For Vinylster Resin, Add	1,322.42	
			For Epoxy Resin, Add	155.86	
			For Up To >10, Add	1,546.63	
			For >10 To 25, Add	973.99	
			For >25 To 50, Add	678.85	
			For >50 To 100, Add	339.43	
			For >500 To 1,000, Deduct	-109.51	
			For >1,000 To 2,000, Deduct	-166.77	
			For >2,000 To 5,000, Deduct	-276.87	
			For >5,000, Deduct	-458.11	
33 01 30 72-0264			40.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0265	LF		40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,185.15	
			For Vinylster Resin, Add	787.47	
			For Epoxy Resin, Add	92.81	
			For Up To >10, Add	743.08	
			For >10 To 25, Add	431.74	
			For >25 To 50, Add	315.29	
			For >50 To 100, Add	157.65	
			For >500 To 1,000, Deduct	-60.76	
			For >1,000 To 2,000, Deduct	-91.90	
			For >2,000 To 5,000, Deduct	-150.04	
			For >5,000, Deduct	-249.07	
33 01 30 72-0266	LF		40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,362.19	
			For Vinylster Resin, Add	904.40	
			For Epoxy Resin, Add	106.59	
			For Up To >10, Add	856.57	
			For >10 To 25, Add	498.48	
			For >25 To 50, Add	363.69	
			For >50 To 100, Add	181.84	
			For >500 To 1,000, Deduct	-69.86	
			For >1,000 To 2,000, Deduct	-105.67	
			For >2,000 To 5,000, Deduct	-172.59	
			For >5,000, Deduct	-286.48	
33 01 30 72-0267	LF		40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,543.32	
			For Vinylster Resin, Add	1,021.34	
			For Epoxy Resin, Add	120.37	
			For Up To >10, Add	982.34	
			For >10 To 25, Add	575.44	
			For >25 To 50, Add	418.22	
			For >50 To 100, Add	209.11	
			For >500 To 1,000, Deduct	-79.27	
			For >1,000 To 2,000, Deduct	-119.96	
			For >2,000 To 5,000, Deduct	-196.15	
			For >5,000, Deduct	-325.52	
33 01 30 72-0268	LF		40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,735.44	
			For Vinylster Resin, Add	1,138.26	
			For Epoxy Resin, Add	134.15	
			For Up To >10, Add	1,141.10	
			For >10 To 25, Add	679.90	
			For >25 To 50, Add	489.24	
			For >50 To 100, Add	244.62	
			For >500 To 1,000, Deduct	-89.51	
			For >1,000 To 2,000, Deduct	-135.63	
			For >2,000 To 5,000, Deduct	-222.47	
			For >5,000, Deduct	-368.96	
33 01 30 72-0269	LF		40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,942.29	
			For Vinylster Resin, Add	1,255.21	
			For Epoxy Resin, Add	147.93	
			For Up To >10, Add	1,344.00	
			For >10 To 25, Add	821.14	
			For >25 To 50, Add	582.34	
			For >50 To 100, Add	291.17	
			For >500 To 1,000, Deduct	-100.84	
			For >1,000 To 2,000, Deduct	-153.13	
			For >2,000 To 5,000, Deduct	-252.46	
			For >5,000, Deduct	-418.29	
33 01 30 72-0270	LF		40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,160.76	
			For Vinylster Resin, Add	1,372.13	
			For Epoxy Resin, Add	161.72	
			For Up To >10, Add	1,581.81	
			For >10 To 25, Add	991.47	
			For >25 To 50, Add	692.89	
			For >50 To 100, Add	346.45	
			For >500 To 1,000, Deduct	-113.05	
			For >1,000 To 2,000, Deduct	-172.09	
			For >2,000 To 5,000, Deduct	-285.37	
			For >5,000, Deduct	-472.27	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0271		<b>42mm Thick Lining Cured In-Place Pipe</b> (33 01 30 72-0015)		
	33 01 30 72-0272	LF	42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,411.80	
			For Vinlyester Resin, Add	936.70	
			For Epoxy Resin, Add	110.40	
			For Up To >10, Add	890.05	
			For >10 To 25, Add	518.69	
			For >25 To 50, Add	378.12	
			For >50 To 100, Add	189.06	
			For >500 To 1,000, Deduct	-72.43	
			For >1,000 To 2,000, Deduct	-109.57	
			For >2,000 To 5,000, Deduct	-178.99	
			For >5,000, Deduct	-297.09	
	33 01 30 72-0273	LF	42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,599.86	
			For Vinlyester Resin, Add	1,057.97	
			For Epoxy Resin, Add	124.69	
			For Up To >10, Add	1,021.13	
			For >10 To 25, Add	599.05	
			For >25 To 50, Add	435.00	
			For >50 To 100, Add	217.50	
			For >500 To 1,000, Deduct	-82.21	
			For >1,000 To 2,000, Deduct	-124.41	
			For >2,000 To 5,000, Deduct	-203.49	
			For >5,000, Deduct	-337.67	
	33 01 30 72-0274	LF	42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,799.44	
			For Vinlyester Resin, Add	1,179.23	
			For Epoxy Resin, Add	138.98	
			For Up To >10, Add	1,186.77	
			For >10 To 25, Add	708.21	
			For >25 To 50, Add	509.15	
			For >50 To 100, Add	254.58	
			For >500 To 1,000, Deduct	-92.84	
			For >1,000 To 2,000, Deduct	-140.70	
			For >2,000 To 5,000, Deduct	-230.86	
			For >5,000, Deduct	-382.85	
	33 01 30 72-0275	LF	42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,999.01	
			For Vinlyester Resin, Add	1,300.50	
			For Epoxy Resin, Add	153.27	
			For Up To >10, Add	1,352.41	
			For >10 To 25, Add	817.36	
			For >25 To 50, Add	583.31	
			For >50 To 100, Add	291.66	
			For >500 To 1,000, Deduct	-103.48	
			For >1,000 To 2,000, Deduct	-156.98	
			For >2,000 To 5,000, Deduct	-258.23	
			For >5,000, Deduct	-428.03	
	33 01 30 72-0276	LF	42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	2,241.47	
			For Vinlyester Resin, Add	1,421.76	
			For Epoxy Resin, Add	167.56	
			For Up To >10, Add	1,646.69	
			For >10 To 25, Add	1,033.72	
			For >25 To 50, Add	721.79	
			For >50 To 100, Add	360.89	
			For >500 To 1,000, Deduct	-117.33	
			For >1,000 To 2,000, Deduct	-178.63	
			For >2,000 To 5,000, Deduct	-296.33	
			For >5,000, Deduct	-490.37	
<b>33 01 30 74</b>	<b>Cured-in-Place Lateral Lining</b>		(33 01 30)		
33 01 30 74-0001	Laterals; Cutting, Grouting And Reinstatement		(33 01 30 74)		
33 01 30 74-0002	Lateral Reinstatement/Reconnection		(33 01 30 74-0001)		
33 01 30 74-0003	EA		Cut Liner For Laterals, Up To 4" (Robotic) .....	469.62	
33 01 30 74-0004	EA		Cut Liner For Laterals, 6" (Robotic).....	507.69	
33 01 30 74-0005	EA		Cut Liner For Laterals, 8" (Robotic).....	539.42	
33 01 30 74-0006	EA		Cut Liner For Laterals, 10" (Robotic).....	571.14	
33 01 30 74-0007	EA		Cut Liner For Laterals, 12" (Robotic).....	602.88	
33 01 30 74-0008	Grout Lateral Service		(33 01 30 74-0001)		
33 01 30 74-0009	Grout Lateral Service - Bladder		(33 01 30 74-0008)		
33 01 30 74-0010	EA		Grout Up To 4" Lateral Service - Bladder.....	494.68	
33 01 30 74-0011	EA		Grout 6" Lateral Service - Bladder .....	565.85	
33 01 30 74-0012	EA		Grout 8" Lateral Service - Bladder .....	637.02	
33 01 30 74-0013	Grout Lateral Service - Robotic Trowel Application		(33 01 30 74-0008)		
33 01 30 74-0014	EA		Grout 3" To 6" Lateral Service - Robotic Trowel Application .....	536.49	
33 01 30 74-0015	EA		Grout 8" To 12" Lateral Service - Robotic Trowel Application .....	578.30	
33 01 30 74-0016	Lateral T-Liner		(33 01 30 74-0001)		
			Note: As manufactured by LMK.		
33 01 30 74-0017	EA		Up To 4" Lateral T-Liner.....	640.42	
33 01 30 74-0018	EA		6" Lateral T-Liner .....	713.58	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 01 30	74-0019	EA	8" Lateral T-Liner .....	825.87	
<b>33 01 30 74-0020</b>				<b>Lining Lateral Pipe</b> (33 01 30 74-0001)		
<b>33 01 30 74-0021</b>				<b>Lining Lateral Pipe</b> (33 01 30 74-0020)		
	33 01 30	74-0022	LF	6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP) .....	29.36	
				For 7.5mm, Add	2.70	
				For 9 mm, Add	5.35	
	33 01 30	74-0023	LF	6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP) .....	34.33	
				For 7.5mm, Add	3.68	
				For 9 mm, Add	7.28	
	33 01 30	74-0024	LF	6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP) .....	43.44	
				For 7.5mm, Add	5.64	
				For 9 mm, Add	11.15	
<b>33 01 30 74-0025</b>				<b>Lining Manhole Drop</b> (33 01 30 74-0020)		
	33 01 30	74-0026	EA	Manhole Drop Section Lining .....	677.03	
<b>33 01 30 79</b>				<b>Fold-and-Form Pipe Lining</b> (33 01 30)		
<b>33 01 30 79-0001</b>				<b>Form and Fold Relining Underground Pipelines</b> (33 01 30 79)		
				Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
<b>33 01 30 79-0002</b>				<b>Fold-And-Form Relining Underground Pipelines Set-Up And Reinsertion</b> (33 01 30 79-0001)		
	33 01 30	79-0003	EA	Initial Set Up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines .....	4,560.92	
	33 01 30	79-0004	EA	Move And Reset Up At Different Access/Location For Fold-And-Form Relining Underground Pipelines .....	1,824.36	
<b>33 01 30 79-0005</b>				<b>Form And Fold Polyethylene (PE) Pipeliner</b> (33 01 30 79-0001)		
	33 01 30	79-0006	LF	4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	30.57	
				For DR 26 Pipe Liner, Add	5.20	
				For Up To 75, Add	18.82	
				For >75 To 150, Add	9.41	
				For >500 To 1,000, Deduct	-0.73	
				For >1,000 To 2,000, Deduct	-1.47	
				For >2,000, Deduct	-2.93	
	33 01 30	79-0007	LF	6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	38.79	
				For DR 26 Pipe Liner, Add	7.07	
				For DR 35 Pipe Liner, Deduct	-3.53	
				For Up To 75, Add	21.45	
				For >75 To 150, Add	10.72	
				For >500 To 1,000, Deduct	-0.79	
				For >1,000 To 2,000, Deduct	-1.58	
				For >2,000, Deduct	-3.16	
	33 01 30	79-0008	LF	8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	40.18	
				For DR 26 Pipe Liner, Add	7.20	
				For DR 35 Pipe Liner, Deduct	-3.60	
				For Up To 75, Add	22.86	
				For >75 To 150, Add	11.43	
				For >500 To 1,000, Deduct	-0.86	
				For >1,000 To 2,000, Deduct	-1.71	
				For >2,000, Deduct	-3.42	
	33 01 30	79-0009	LF	10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	55.61	
				For DR 26 Pipe Liner, Add	10.79	
				For DR 35 Pipe Liner, Deduct	-5.40	
				For DR 41 Pipe Liner, Deduct	-10.79	
				For Up To 75, Add	27.29	
				For >75 To 150, Add	13.65	
				For >500 To 1,000, Deduct	-0.93	
				For >1,000 To 2,000, Deduct	-1.87	
				For >2,000, Deduct	-3.73	
	33 01 30	79-0010	LF	12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	76.88	
				For DR 26 Pipe Liner, Add	15.80	
				For DR 35 Pipe Liner, Deduct	-7.90	
				For DR 41 Pipe Liner, Deduct	-15.80	
				For Up To 75, Add	33.17	
				For >75 To 150, Add	16.59	
				For >500 To 1,000, Deduct	-1.03	
				For >1,000 To 2,000, Deduct	-2.05	
				For >2,000, Deduct	-4.11	
	33 01 30	79-0011	LF	15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	104.51	
				For DR 35 Pipe Liner, Deduct	-11.12	
				For DR 41 Pipe Liner, Deduct	-22.24	
				For Up To 75, Add	41.12	
				For >75 To 150, Add	20.56	
				For >500 To 1,000, Deduct	-1.17	
				For >1,000 To 2,000, Deduct	-2.33	
				For >2,000, Deduct	-4.67	
	33 01 30	79-0012	LF	18" Diameter Form and Fold Polyethylene Pipeliner, DR 35 .....	146.53	
				For DR 41 Pipe Liner, Deduct	-12.90	
				For DR 50 Pipe Liner, Deduct	-25.80	
				For Up To 75, Add	52.11	
				For >75 To 150, Add	26.05	
				For >500 To 1,000, Deduct	-1.32	
				For >1,000 To 2,000, Deduct	-2.63	
				For >2,000, Deduct	-5.26	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0013	LF		21" Diameter Form and Fold Polyethylene Pipeliner, DR 47.....	165.53	
			<i>For DR 50 Pipe Liner, Deduct</i>	-21.98	
			<i>For DR 55 Pipe Liner, Deduct</i>	-36.63	
			<i>For Up To 75, Add</i>	57.82	
			<i>For &gt;75 To 150, Add</i>	28.91	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.43	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-2.85	
			<i>For &gt;2,000, Deduct</i>	-5.70	
33 01 30 79-0014	LF		24" Diameter Form and Fold Polyethylene Pipeliner, DR 55.....	201.27	
			<i>For DR 60 Pipe Liner, Deduct</i>	-27.08	
			<i>For Up To 75, Add</i>	67.20	
			<i>For &gt;75 To 150, Add</i>	33.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.55	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-3.11	
			<i>For &gt;2,000, Deduct</i>	-6.22	
<b>33 01 30 79-0015</b>			<b>Form And Fold Polyvinyl Chloride (PVC) Pipeliner</b> <small>(33 01 30 79-0001)</small>		
33 01 30 79-0016	LF		4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	32.53	
			<i>For Up To 75, Add</i>	19.21	
			<i>For &gt;75 To 150, Add</i>	9.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.73	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-1.47	
			<i>For &gt;2,000, Deduct</i>	-2.93	
			<i>For DR 26 Pipe Liner, Add</i>	5.69	
33 01 30 79-0017	LF		6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	38.79	
			<i>For Up To 75, Add</i>	21.45	
			<i>For &gt;75 To 150, Add</i>	10.72	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.79	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-1.58	
			<i>For &gt;2,000, Deduct</i>	-3.16	
			<i>For DR 26 Pipe Liner, Add</i>	7.07	
			<i>For DR 35 Pipe Liner, Deduct</i>	-3.53	
33 01 30 79-0018	LF		8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	42.80	
			<i>For Up To 75, Add</i>	23.38	
			<i>For &gt;75 To 150, Add</i>	11.69	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.86	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-1.71	
			<i>For &gt;2,000, Deduct</i>	-3.42	
			<i>For DR 26 Pipe Liner, Add</i>	7.85	
			<i>For DR 35 Pipe Liner, Deduct</i>	-3.93	
33 01 30 79-0019	LF		10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	59.54	
			<i>For Up To 75, Add</i>	28.08	
			<i>For &gt;75 To 150, Add</i>	14.04	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.93	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-1.87	
			<i>For &gt;2,000, Deduct</i>	-3.73	
			<i>For DR 26 Pipe Liner, Add</i>	11.78	
			<i>For DR 35 Pipe Liner, Deduct</i>	-5.89	
			<i>For DR 41 Pipe Liner, Deduct</i>	-11.78	
33 01 30 79-0020	LF		12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	82.76	
			<i>For Up To 75, Add</i>	34.35	
			<i>For &gt;75 To 150, Add</i>	17.17	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.03	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-2.05	
			<i>For &gt;2,000, Deduct</i>	-4.11	
			<i>For DR 26 Pipe Liner, Add</i>	17.27	
			<i>For DR 35 Pipe Liner, Deduct</i>	-8.63	
			<i>For DR 41 Pipe Liner, Deduct</i>	-17.27	
33 01 30 79-0021	LF		15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	112.88	
			<i>For Up To 75, Add</i>	42.79	
			<i>For &gt;75 To 150, Add</i>	21.40	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.17	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-2.33	
			<i>For &gt;2,000, Deduct</i>	-4.67	
			<i>For DR 35 Pipe Liner, Deduct</i>	-12.17	
			<i>For DR 41 Pipe Liner, Deduct</i>	-24.33	
33 01 30 79-0022	LF		18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35.....	158.83	
			<i>For Up To 75, Add</i>	54.57	
			<i>For &gt;75 To 150, Add</i>	27.28	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.32	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-2.63	
			<i>For &gt;2,000, Deduct</i>	-5.26	
			<i>For DR 41 Pipe Liner, Deduct</i>	-14.13	
			<i>For DR 50 Pipe Liner, Deduct</i>	-28.26	
33 01 30 79-0023	LF		21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47.....	179.14	
			<i>For Up To 75, Add</i>	60.54	
			<i>For &gt;75 To 150, Add</i>	30.27	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.43	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-2.85	
			<i>For &gt;2,000, Deduct</i>	-5.70	
			<i>For DR 50 Pipe Liner, Deduct</i>	-24.02	
			<i>For DR 55 Pipe Liner, Deduct</i>	-40.03	
33 01 30 79-0024	LF		24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	218.53	
			<i>For Up To 75, Add</i>	70.66	
			<i>For &gt;75 To 150, Add</i>	35.33	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.55	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-3.11	
			<i>For &gt;2,000, Deduct</i>	-6.22	
			<i>For DR 60 Pipe Liner, Deduct</i>	-29.67	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**33 01 30 81 Manhole Rehabilitation** (33 01 30)

**33 01 30 81-0001 Restoration And Rehabilitation Of Manholes** (33 01 30 81)

Note: Work is in confined spaces.

**33 01 30 81-0002 Inspection And Ventilation System Set-up** (33 01 30 81-0001)

33 01 30 81-0003	EA	Inspect Manhole.....	165.51	
33 01 30 81-0004	EA	36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System .....	10,739.55	
Note: For internal inspection and repair of water mains.				
33 01 30 81-0005	EA	>60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System .....	15,174.87	
Note: For internal inspection and repair of water mains				

**33 01 30 81-0006 Manhole Seals** (33 01 30 81-0001)

**33 01 30 81-0007 Internal Manhole Chimney Seals** (33 01 30 81-0006)

Note: Cretex.

33 01 30 81-0008	EA	20" Internal Manhole Chimney Seal.....	455.68	
33 01 30 81-0009	EA	22" Internal Manhole Chimney Seal.....	480.32	
33 01 30 81-0010	EA	24" Internal Manhole Chimney Seal.....	492.63	
33 01 30 81-0011	EA	26" Internal Manhole Chimney Seal.....	566.53	
33 01 30 81-0012	EA	28" Internal Manhole Chimney Seal.....	640.42	
33 01 30 81-0013	EA	30" Internal Manhole Chimney Seal.....	714.32	
33 01 30 81-0014	EA	36" Internal Manhole Chimney Seal.....	862.10	

**33 01 30 81-0015 External Manhole Encapsulation** (33 01 30 81-0006)

Note: Wrapidseal.

33 01 30 81-0016	EA	24" External Manhole Encapsulation .....	665.05	
33 01 30 81-0017	EA	30" External Manhole Encapsulation .....	701.99	
33 01 30 81-0018	EA	36" External Manhole Encapsulation .....	751.26	
33 01 30 81-0019	EA	42" External Manhole Encapsulation .....	812.84	
33 01 30 81-0020	EA	48" External Manhole Encapsulation .....	899.05	
33 01 30 81-0021	EA	54" External Manhole Encapsulation .....	997.58	
33 01 30 81-0022	EA	60" External Manhole Encapsulation .....	1,120.74	

**33 01 30 81-0023 Manhole Crack Repair** (33 01 30 81-0001)

Note: Includes removing loose materials and cleaning.

33 01 30 81-0024	LF	Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair .....	47.77	
33 01 30 81-0025	LF	>1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair .....	64.19	
33 01 30 81-0026	LF	Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair .....	44.84	
33 01 30 81-0027	LF	>1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair.....	60.68	

**33 01 30 81-0028 Manhole Patching** (33 01 30 81-0001)

Note: Includes removing loose materials and cleaning.

33 01 30 81-0029	SF	Up To 1/4" Thick, Cementitious Grout, Manhole Patching.....	15.05	
33 01 30 81-0030	SF	Up To 1/4" Thick, Epoxy Grout, Manhole Patching.....	30.78	

**33 01 30 81-0031 Manhole Joint Restoration** (33 01 30 81-0001)

Note: Includes drilling holes at joints, fill joints with grout.

33 01 30 81-0032	EA	3' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	1,778.03	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.				
For Grouting Each Additional Manhole Joint Section, Add			208.58	
33 01 30 81-0033	EA	3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,075.55	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.				
For Grouting Each Additional Manhole Joint Section, Add			230.85	
33 01 30 81-0034	EA	4' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,370.71	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.				
For Grouting Each Additional Manhole Joint Section, Add			253.11	
33 01 30 81-0035	EA	5' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,797.59	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.				
For Grouting Each Additional Manhole Joint Section, Add			264.24	
33 01 30 81-0036	EA	6' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	3,223.30	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.				
For Grouting Each Additional Manhole Joint Section, Add			275.37	

**33 01 30 81-0037 Step Installation In Existing Manholes** (33 01 30 81-0001)

Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.

33 01 30 81-0038	EA	Drill And Grout 8" x 9" Cast Iron Manhole Steps.....	114.17	19.33
33 01 30 81-0039	EA	Drill And Grout Galvanized Steel Manhole Step .....	92.89	19.33
33 01 30 81-0040	EA	Bolt On Galvanized Steel Manhole Step .....	119.38	19.33
33 01 30 81-0041	EA	Drill And Grout Aluminum Manhole Step.....	105.63	19.33
33 01 30 81-0042	EA	Drill And Insert Polypropylene Manhole Step.....	56.06	15.47

**33 01 30 81-0043 Invert Restoration** (33 01 30 81-0001)

Note: Includes removal of existing defective material and installation of new material.

**33 01 30 81-0044 Concrete Invert Restoration** (33 01 30 81-0043)

33 01 30 81-0045	EA	2' Diameter, Concrete Invert Restoration .....	315.17	
33 01 30 81-0046	EA	3' Diameter, Concrete Invert Restoration.....	356.55	
33 01 30 81-0047	EA	4' Diameter, Concrete Invert Restoration.....	397.93	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0048	EA		5' Diameter, Concrete Invert Restoration .....	439.31	
33 01 30 81-0049	EA		6' Diameter, Concrete Invert Restoration .....	563.44	
33 01 30 81-0050	SF		Square Or Rectangular, Concrete Invert Restoration .....	31.65	
<b>33 01 30 81-0051</b>			<b>Brick Invert Restoration</b> <small>(33 01 30 81-0043)</small>		
33 01 30 81-0052	EA		2' Diameter, Brick Invert Restoration .....	530.66	
33 01 30 81-0053	EA		3' Diameter, Brick Invert Restoration .....	572.03	
33 01 30 81-0054	EA		4' Diameter, Brick Invert Restoration .....	613.41	
33 01 30 81-0055	EA		5' Diameter, Brick Invert Restoration .....	654.79	
33 01 30 81-0056	EA		6' Diameter, Brick Invert Restoration .....	696.17	
33 01 30 81-0057	SF		Square Or Rectangular, Brick Invert Restoration .....	44.82	
<b>33 01 30 81-0058</b>			<b>Repair In-Kind Of Drainage Structures</b> <small>(33 01 30 81)</small>		
			Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.		
33 01 30 81-0059	VLF		2' Diameter, Repair In-Kind Drainage Structure .....	571.64	
33 01 30 81-0060	VLF		3' Diameter, Repair In-Kind Drainage Structure .....	857.46	
33 01 30 81-0061	VLF		4' Diameter, Repair In-Kind Drainage Structure .....	1,143.36	
33 01 30 81-0062	VLF		5' Diameter, Repair In-Kind Drainage Structure .....	1,429.10	
33 01 30 81-0063	VLF		6' Diameter, Repair In-Kind Drainage Structure .....	1,714.93	
33 01 30 81-0064	VLF		2' x 2', Repair In-Kind Drainage Structure .....	728.21	
33 01 30 81-0065	VLF		2' x 3', Repair In-Kind Drainage Structure .....	910.26	
33 01 30 81-0066	VLF		2' x 4', Repair In-Kind Drainage Structure .....	1,092.31	
33 01 30 81-0067	VLF		3' x 4', Repair In-Kind Drainage Structure .....	1,274.36	
33 01 30 81-0068	VLF		4' x 4', Repair In-Kind Drainage Structure .....	1,456.41	
33 01 30 81-0069	VLF		4' x 5', Repair In-Kind Drainage Structure .....	1,638.46	
33 01 30 81-0070	VLF		4' x 6', Repair In-Kind Drainage Structure .....	1,820.52	
33 01 30 81-0071	VLF		4' x 8', Repair In-Kind Drainage Structure .....	2,184.62	
33 01 30 81-0072	VLF		>32 GSF, Repair In-Kind Drainage Structure .....	2,548.72	
<b>33 01 30 82</b>			<b>Epoxy Lining for Concrete Manholes</b> <small>(33 01 30)</small>		
<b>33 01 30 82-0001</b>			<b>Epoxy Manhole Restoration, Interior</b> <small>(33 01 30 82)</small>		
33 01 30 82-0002	VLF		60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior .....	292.81	
			<i>For 80 Mil Material, Add</i>	32.90	
			<i>For 100 Mil Material, Add</i>	65.80	
			<i>For 125 Mil Material, Add</i>	102.22	
			<i>For 150 Mil Material, Add</i>	138.65	
			<i>For 200 Mil Material, Add</i>	198.98	
			<i>For 2 To 5 Manholes, Deduct</i>	-20.90	
			<i>For 6 To 10 Manholes, Deduct</i>	-34.48	
			<i>For &gt;10 Manholes, Deduct</i>	-68.97	
33 01 30 82-0003	VLF		60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior .....	355.57	
			<i>For 80 Mil Material, Add</i>	39.44	
			<i>For 100 Mil Material, Add</i>	78.88	
			<i>For 125 Mil Material, Add</i>	122.44	
			<i>For 150 Mil Material, Add</i>	166.00	
			<i>For 200 Mil Material, Add</i>	237.81	
			<i>For 2 To 5 Manholes, Deduct</i>	-25.43	
			<i>For 6 To 10 Manholes, Deduct</i>	-41.97	
			<i>For &gt;10 Manholes, Deduct</i>	-83.95	
33 01 30 82-0004	VLF		60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior .....	390.41	
			<i>For 80 Mil Material, Add</i>	43.86	
			<i>For 100 Mil Material, Add</i>	87.73	
			<i>For 125 Mil Material, Add</i>	136.29	
			<i>For 150 Mil Material, Add</i>	184.86	
			<i>For 200 Mil Material, Add</i>	265.30	
			<i>For 2 To 5 Manholes, Deduct</i>	-27.87	
			<i>For 6 To 10 Manholes, Deduct</i>	-45.98	
			<i>For &gt;10 Manholes, Deduct</i>	-91.96	
33 01 30 82-0005	VLF		60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior .....	488.05	
			<i>For 80 Mil Material, Add</i>	54.84	
			<i>For 100 Mil Material, Add</i>	109.69	
			<i>For 125 Mil Material, Add</i>	170.42	
			<i>For 150 Mil Material, Add</i>	231.15	
			<i>For 200 Mil Material, Add</i>	331.73	
			<i>For 2 To 5 Manholes, Deduct</i>	-34.84	
			<i>For 6 To 10 Manholes, Deduct</i>	-57.48	
			<i>For &gt;10 Manholes, Deduct</i>	-114.95	
33 01 30 82-0006	VLF		60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior .....	585.65	
			<i>For 80 Mil Material, Add</i>	65.81	
			<i>For 100 Mil Material, Add</i>	131.62	
			<i>For 125 Mil Material, Add</i>	204.49	
			<i>For 150 Mil Material, Add</i>	277.36	
			<i>For 200 Mil Material, Add</i>	398.05	
			<i>For 2 To 5 Manholes, Deduct</i>	-41.81	
			<i>For 6 To 10 Manholes, Deduct</i>	-68.97	
			<i>For &gt;10 Manholes, Deduct</i>	-137.94	
<b>33 01 30 83</b>			<b>Lining for Concrete Manholes</b> <small>(33 01 30)</small>		
<b>33 01 30 83-0001</b>			<b>Manhole Lining</b> <small>(33 01 30 83)</small>		
			Note: Includes power washing and cleaning of manhole interiors.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 83-0002 Cementitious Manhole Restoration, Interior <small>(33 01 30 83-0001)</small>					
33 01 30 83-0003	VLF		1/2" Cementitious Restoration On 3' Diameter Manhole Interior .....	126.10	
			<i>For Each Additional 1/2" Thick Material, Add</i>	28.89	
			<i>For 2 To 5 Manholes, Deduct</i>	-8.95	
			<i>For 6 To 10 Manholes, Deduct</i>	-14.75	
			<i>For &gt;10 Manholes, Deduct</i>	-29.49	
33 01 30 83-0004	VLF		1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior.....	146.19	
			<i>For Each Additional 1/2" Thick Material, Add</i>	33.61	
			<i>For 2 To 5 Manholes, Deduct</i>	-10.37	
			<i>For 6 To 10 Manholes, Deduct</i>	-17.09	
			<i>For &gt;10 Manholes, Deduct</i>	-34.17	
33 01 30 83-0005	VLF		1/2" Cementitious Restoration On 4' Diameter Manhole Interior .....	166.29	
			<i>For Each Additional 1/2" Thick Material, Add</i>	38.34	
			<i>For 2 To 5 Manholes, Deduct</i>	-11.79	
			<i>For 6 To 10 Manholes, Deduct</i>	-19.43	
			<i>For &gt;10 Manholes, Deduct</i>	-38.86	
33 01 30 83-0006	VLF		1/2" Cementitious Restoration On 5' Diameter Manhole Interior .....	195.49	
			<i>For Each Additional 1/2" Thick Material, Add</i>	46.81	
			<i>For 2 To 5 Manholes, Deduct</i>	-13.81	
			<i>For 6 To 10 Manholes, Deduct</i>	-22.73	
			<i>For &gt;10 Manholes, Deduct</i>	-45.46	
33 01 30 83-0007	VLF		1/2" Cementitious Restoration On 6' Diameter Manhole Interior .....	213.24	
			<i>For Each Additional 1/2" Thick Material, Add</i>	53.88	
			<i>For 2 To 5 Manholes, Deduct</i>	-14.98	
			<i>For 6 To 10 Manholes, Deduct</i>	-24.62	
			<i>For &gt;10 Manholes, Deduct</i>	-49.24	

33 01 30 83-0008 Polyurethane Manhole Restoration, Interior <small>(33 01 30 83-0001)</small>					
33 01 30 83-0009	VLF		60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior .....	265.27	
			<i>For 80 Mil Material, Add</i>	23.72	
			<i>For 100 Mil Material, Add</i>	47.44	
			<i>For 125 Mil Material, Add</i>	72.39	
			<i>For 150 Mil Material, Add</i>	97.34	
			<i>For 200 Mil Material, Add</i>	134.72	
			<i>For 2 To 5 Manholes, Deduct</i>	-19.53	
			<i>For 6 To 10 Manholes, Deduct</i>	-32.42	
			<i>For &gt;10 Manholes, Deduct</i>	-64.84	
33 01 30 83-0010	VLF		60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior .....	323.39	
			<i>For 80 Mil Material, Add</i>	28.71	
			<i>For 100 Mil Material, Add</i>	57.43	
			<i>For 125 Mil Material, Add</i>	87.58	
			<i>For 150 Mil Material, Add</i>	117.73	
			<i>For 200 Mil Material, Add</i>	162.73	
			<i>For 2 To 5 Manholes, Deduct</i>	-23.82	
			<i>For 6 To 10 Manholes, Deduct</i>	-39.56	
			<i>For &gt;10 Manholes, Deduct</i>	-79.12	
33 01 30 83-0011	VLF		60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior .....	353.69	
			<i>For 80 Mil Material, Add</i>	31.62	
			<i>For 100 Mil Material, Add</i>	63.25	
			<i>For 125 Mil Material, Add</i>	96.52	
			<i>For 150 Mil Material, Add</i>	129.78	
			<i>For 200 Mil Material, Add</i>	179.62	
			<i>For 2 To 5 Manholes, Deduct</i>	-26.03	
			<i>For 6 To 10 Manholes, Deduct</i>	-43.22	
			<i>For &gt;10 Manholes, Deduct</i>	-86.45	
33 01 30 83-0012	VLF		60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior .....	442.10	
			<i>For 80 Mil Material, Add</i>	39.53	
			<i>For 100 Mil Material, Add</i>	79.06	
			<i>For 125 Mil Material, Add</i>	120.64	
			<i>For 150 Mil Material, Add</i>	162.22	
			<i>For 200 Mil Material, Add</i>	224.52	
			<i>For 2 To 5 Manholes, Deduct</i>	-32.54	
			<i>For 6 To 10 Manholes, Deduct</i>	-54.03	
			<i>For &gt;10 Manholes, Deduct</i>	-108.06	
33 01 30 83-0013	VLF		60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior .....	530.52	
			<i>For 80 Mil Material, Add</i>	47.43	
			<i>For 100 Mil Material, Add</i>	94.87	
			<i>For 125 Mil Material, Add</i>	144.76	
			<i>For 150 Mil Material, Add</i>	194.66	
			<i>For 200 Mil Material, Add</i>	269.42	
			<i>For 2 To 5 Manholes, Deduct</i>	-39.05	
			<i>For 6 To 10 Manholes, Deduct</i>	-64.84	
			<i>For &gt;10 Manholes, Deduct</i>	-129.67	

33 01 30 83-0014 Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior <small>(33 01 30 83-0001)</small>					
33 01 30 83-0015	VLF		3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	419.35	
			<i>For 2 To 5 Manholes, Deduct</i>	-24.82	
			<i>For 6 To 10 Manholes, Deduct</i>	-39.15	
			<i>For &gt;10 Manholes, Deduct</i>	-78.30	
33 01 30 83-0016	VLF		3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	513.50	
			<i>For 2 To 5 Manholes, Deduct</i>	-30.38	
			<i>For 6 To 10 Manholes, Deduct</i>	-47.92	
			<i>For &gt;10 Manholes, Deduct</i>	-95.84	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 83-0017	VLF	4" Diameter, Multiplexx™ PVC Cured-In-Place (CIP) Manhole Liner For Existing Manhole	602.28	
		<i>For 2 To 5 Manholes, Deduct</i>	-35.25	
		<i>For 6 To 10 Manholes, Deduct</i>	-55.43	
		<i>For &gt;10 Manholes, Deduct</i>	-110.87	
33 01 30 83-0018	VLF	5" Diameter, Multiplexx™ PVC Cured-In-Place (CIP) Manhole Liner For Existing Manhole	755.16	
		<i>For 2 To 5 Manholes, Deduct</i>	-44.17	
		<i>For 6 To 10 Manholes, Deduct</i>	-69.46	
		<i>For &gt;10 Manholes, Deduct</i>	-138.93	
33 01 30 83-0019	VLF	6" Diameter, Multiplexx™ PVC Cured-In-Place (CIP) Manhole Liner For Existing Manhole	908.04	
		<i>For 2 To 5 Manholes, Deduct</i>	-53.10	
		<i>For 6 To 10 Manholes, Deduct</i>	-83.50	
		<i>For &gt;10 Manholes, Deduct</i>	-166.99	

**33 01 30 86 Manhole Rim Adjustment (33 01 30)**

33 01 30 86-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers (33 01 30 86)

33 01 30 86-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers (33 01 30 86-0001)

33 01 30 86-0003	EA	Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	321.95	
33 01 30 86-0004	EA	>2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	361.99	
33 01 30 86-0005	EA	>3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	398.39	
33 01 30 86-0006	EA	>4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	439.63	
33 01 30 86-0007	EA	>5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	473.22	

33 01 30 86-0008 Up To 6" Rise, &gt;26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser (33 01 30 86-0001)

33 01 30 86-0009	EA	Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	377.97	
33 01 30 86-0010	EA	>2" To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	411.94	
33 01 30 86-0011	EA	>3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	454.60	
33 01 30 86-0012	EA	>4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	495.84	
33 01 30 86-0013	EA	>5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	535.64	

33 01 30 86-0014 &gt;6" To 12" Rise, &gt;32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers (33 01 30 86-0001)

33 01 30 86-0015	EA	>6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	528.10	
33 01 30 86-0016	EA	7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	574.28	
33 01 30 86-0017	EA	7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	621.21	
33 01 30 86-0018	EA	8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	658.68	
33 01 30 86-0019	EA	9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	715.67	
33 01 30 86-0020	EA	10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	767.55	
33 01 30 86-0021	EA	11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	818.38	
33 01 30 86-0022	EA	12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	870.33	

33 01 30 86-0023 &gt;12" Rise, Solid Manhole Risers (33 01 30 86)

33 01 30 86-0024 Precast Concrete Manhole Riser (33 01 30 86-0023)

33 01 30 86-0025	VLF	Up To 26" Diameter Precast Concrete Manhole Riser	87.66	
33 01 30 86-0026	VLF	>26" To 36" Diameter Precast Concrete Manhole Riser	105.03	
33 01 30 86-0027	VLF	>36" To 48" Diameter Precast Concrete Manhole Riser	119.62	
33 01 30 86-0028	VLF	>48" To 60" Diameter Precast Concrete Manhole Riser	238.86	
33 01 30 86-0029	VLF	>60" To 72" Diameter Precast Concrete Manhole Riser	344.33	

## 33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems (33 01)

**33 01 34 13 Septic Tank Solids Removal (33 01 34)**

33 01 34 13-0001 Pump Out Septic Tanks (33 01 34 13)

33 01 34 13-0002	GAL	Pump Out Septic Tank And Dispose	0.61	
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## 33 05 Common Work Results for Utilities (33)

## 33 05 07 Trenchless Installation of Utility Piping (33 05)

**33 05 07 13 Utility Directional Drilling (33 05 07)**

33 05 07 13-0001 Horizontal Augering (33 05 07 13)

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal.

33 05 07 13-0002	LF	Up To 2" Diameter Horizontal Hand Augering	22.43	
33 05 07 13-0003	LF	3" Diameter Horizontal Hand Augering	27.07	
33 05 07 13-0004	LF	4" Diameter Horizontal Hand Augering	37.12	
33 05 07 13-0005	LF	6" Diameter Horizontal Hand Augering	47.95	
33 05 07 13-0006	LF	8" Diameter Horizontal Augering	87.39	
33 05 07 13-0007	LF	10" Diameter Horizontal Augering	127.49	
33 05 07 13-0008	LF	12" Diameter Horizontal Augering	153.19	
33 05 07 13-0009	LF	16" Diameter Horizontal Augering	183.00	
33 05 07 13-0010	LF	20" Diameter Horizontal Augering	316.65	
33 05 07 13-0011	LF	24" Diameter Horizontal Augering	396.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07	13-0012	LF	30" Diameter Horizontal Augering.....	489.38	
33 05 07	13-0013	LF	36" Diameter Horizontal Augering.....	559.13	
33 05 07	13-0014	LF	42" Diameter Horizontal Augering.....	722.16	
33 05 07	13-0015	LF	48" Diameter Horizontal Augering.....	778.14	
33 05 07	13-0016	LF	54" Diameter Horizontal Augering.....	846.26	
33 05 07	13-0017	LF	60" Diameter Horizontal Augering.....	887.21	
33 05 07	13-0018	EA	8" To 20" Horizontal Augering Minimum Set-up Charge ..... Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,701.14	
33 05 07	13-0019	EA	>20" To 36" Horizontal Augering Minimum Set-up Charge ..... Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,031.02	
33 05 07	13-0020	EA	>36" Horizontal Augering Minimum Set-up Charge ..... Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	7,372.11	
<b>33 05 07 13-0021 Horizontal Directional Boring <small>(33 05 07 13)</small></b>					
Note: Excludes receiving pits or dewatering or cost of casing pipe.					
33 05 07	13-0022	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground.....	12.10	
			For Horizontal Boring Through Rock, Add	8.47	
33 05 07	13-0023	LF	2" Diameter Directional Boring For Horizontal Pipe, Underground.....	18.15	
			For Horizontal Boring Through Rock, Add	12.71	
33 05 07	13-0024	LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground.....	25.20	
			For Horizontal Boring Through Rock, Add	17.64	
33 05 07	13-0025	LF	3" Diameter Directional Boring For Horizontal Pipe, Underground.....	31.25	
			For Horizontal Boring Through Rock, Add	21.88	
33 05 07	13-0026	LF	4" Diameter Directional Boring For Horizontal Pipe, Underground.....	37.30	
			For Horizontal Boring Through Rock, Add	26.11	
33 05 07	13-0027	LF	5" Diameter Directional Boring For Horizontal Pipe, Underground.....	43.35	
			For Horizontal Boring Through Rock, Add	30.35	
33 05 07	13-0028	LF	6" Diameter Directional Boring For Horizontal Pipe, Underground.....	50.40	
			For Horizontal Boring Through Rock, Add	35.28	
33 05 07	13-0029	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground.....	61.69	
			For Horizontal Boring Through Rock, Add	43.18	
33 05 07	13-0030	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground.....	66.83	
			For Horizontal Boring Through Rock, Add	46.78	
33 05 07	13-0031	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground.....	71.97	
			For Horizontal Boring Through Rock, Add	50.38	
33 05 07	13-0032	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground.....	149.08	
			For Horizontal Boring Through Rock, Add	104.36	
33 05 07	13-0033	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground.....	234.40	
			For Horizontal Boring Through Rock, Add	164.08	
33 05 07	13-0034	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground.....	357.32	
			For Horizontal Boring Through Rock, Add	250.12	
33 05 07	13-0035	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground.....	571.71	
			For Horizontal Boring Through Rock, Add	400.20	
33 05 07	13-0036	EA	Up To 6" Horizontal Directional Boring Minimum Set-up Charge ..... Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,225.79	
33 05 07	13-0037	EA	>6" To 18" Horizontal Directional Boring Minimum Set-up Charge ..... Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,701.14	
33 05 07	13-0038	EA	>18" To 36" Horizontal Directional Boring Minimum Set-up Charge ..... Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,031.02	
<b>33 05 07 23 Utility Boring and Jacking <small>(33 05 07)</small></b>					
<b>33 05 07 23-0001 Horizontal Jacking <small>(33 05 07 23)</small></b>					
Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit.					
33 05 07	23-0002	LF	Up To 2" Diameter Horizontal Jacking.....	51.53	
			For Horizontal Jacking Through Rock, Add	27.71	
33 05 07	23-0003	LF	3" Diameter Horizontal Jacking.....	61.89	
			For Horizontal Jacking Through Rock, Add	33.45	
33 05 07	23-0004	LF	4" Diameter Horizontal Jacking.....	83.97	
			For Horizontal Jacking Through Rock, Add	45.86	
33 05 07	23-0005	LF	6" Diameter Horizontal Jacking.....	108.51	
			For Horizontal Jacking Through Rock, Add	59.25	
33 05 07	23-0006	LF	8" Diameter Horizontal Jacking.....	147.50	
			For Horizontal Jacking Through Rock, Add	81.22	
33 05 07	23-0007	LF	10" Diameter Horizontal Jacking.....	215.95	
			For Horizontal Jacking Through Rock, Add	118.50	
33 05 07	23-0008	LF	12" Diameter Horizontal Jacking.....	259.84	
			For Horizontal Jacking Through Rock, Add	142.39	
33 05 07	23-0009	LF	16" Diameter Horizontal Jacking.....	310.28	
			For Horizontal Jacking Through Rock, Add	170.11	
33 05 07	23-0010	LF	20" Diameter Horizontal Jacking.....	498.88	
			For Horizontal Jacking Through Rock, Add	295.29	
33 05 07	23-0011	LF	24" Diameter Horizontal Jacking.....	744.69	
			For Horizontal Jacking Through Rock, Add	331.39	
33 05 07	23-0012	LF	30" Diameter Horizontal Jacking.....	877.55	
			For Horizontal Jacking Through Rock, Add	409.21	
33 05 07	23-0013	LF	36" Diameter Horizontal Jacking.....	993.93	
			For Horizontal Jacking Through Rock, Add	467.89	
33 05 07	23-0014	LF	42" Diameter Horizontal Jacking.....	1,069.02	
			For Horizontal Jacking Through Rock, Add	505.26	

**33 Utilities****33 05 Common Work Results for Utilities****33 05 07 Trenchless Installation of Utility Piping**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 05 07 23-0015	LF	48" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	1,157.50 544.40
33 05 07 23-0016	LF	54" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	1,242.37 592.49
33 05 07 23-0017	EA	Up To 6" Horizontal Jacking Minimum Set-up Charge ..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,225.79
33 05 07 23-0018	EA	>6" To 20" Horizontal Jacking Minimum Set-up Charge ..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,701.14
33 05 07 23-0019	EA	>20" To 36" Horizontal Jacking Minimum Set-up Charge ..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,031.02
33 05 07 23-0020	EA	>36" Horizontal Jacking Minimum Set-up Charge ..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	7,372.11

**33 05 07 24 Casing Piping for Utility Jacking (33 05 07)**

33 05 07 24-0001		<b>Casing Pipe (33 05 07 24)</b> Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.	
33 05 07 24-0002		<b>Steel Pipe (33 05 07 24-0001)</b>	
33 05 07 24-0003	LF	1-1/2" Steel Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	12.35
33 05 07 24-0004	LF	2" Steel Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	13.12
33 05 07 24-0005	LF	2-1/2" Steel Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	14.13
33 05 07 24-0006	LF	3" Steel Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	15.17
33 05 07 24-0007	LF	4" Steel Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	18.99
33 05 07 24-0008	LF	5" Steel Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	21.37
33 05 07 24-0009	LF	6" Steel Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	23.76
33 05 07 24-0010		<b>Polyethylene Pipe (33 05 07 24-0001)</b>	
33 05 07 24-0011	LF	3/4" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	4.83
33 05 07 24-0012	LF	1" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	5.32
33 05 07 24-0013	LF	1-1/4" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	5.78
33 05 07 24-0014	LF	1-1/2" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	6.17
33 05 07 24-0015	LF	2" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	6.60
33 05 07 24-0016	LF	2-1/2" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	7.05
33 05 07 24-0017	LF	3" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	7.50
33 05 07 24-0018	LF	4" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	9.06
33 05 07 24-0019	LF	5" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	10.00
33 05 07 24-0020	LF	6" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	10.96
33 05 07 24-0021	LF	8" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	14.19
33 05 07 24-0022	LF	10" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	19.20

**33 05 09 Piping Specials for Utilities (33 05)**

**33 05 09 23 Adapters for Utility Piping (33 05 09)**  
See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.

**33 05 09 33 Thrust Restraint for Utility Piping (33 05 09)**  
See CSI section 33 14 13 13-0525 for mechanical restraints, 33 14 13 13-0560 for flanged restraints, 33 14 13 13-1132 for slip-on restraints, 33 14 13 13-1148 for slip-on restraint harnesses.

**33 05 16 Cast-Iron Utility Pipe (33 05)**  
See CSI section 22 13 16 00-0019 for cast iron utility piping.

**33 05 17 Copper Utility Pipe and Tubing (33 05)**  
See CSI section 33 14 13 39-0000 for copper utility piping.

**33 05 19 Ductile-Iron Utility Pipe (33 05)**  
See CSI section 33 14 13 13-0000 for ductile iron utility piping.

**33 05 24 Steel Utility Pipe (33 05)**

**33 05 24 23 Steel Pipe for Water Service (33 05 24)**

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.

33 05 27	Corrugated Metal Utility Pipe <small>(33 05)</small>		
33 05 27 13	<b>Corrugated Metal Culvert Pipe</b> <small>(33 05 27)</small> See CSI section 33 42 11 00-0448 for corrugated metal culvert pipe.		
33 05 27 23	<b>Corrugated Metal Slotted Pipe</b> <small>(33 05 27)</small> See CSI section 33 41 16 13-0085 for corrugated metal slotted pipe.		
33 05 27 33	<b>Corrugated Metal Culvert Arch Pipe</b> <small>(33 05 27)</small> See CSI section 33 42 11 00-0792 for corrugated metal culvert arch pipe.		
33 05 31	Thermoplastic Utility Pipe <small>(33 05)</small>		
33 05 31 11	<b>Polyvinyl Chloride Gravity Sewer Pipe</b> <small>(33 05 31)</small> See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.		
33 05 31 13	<b>Polyvinyl Chloride Pressure Pipe</b> <small>(33 05 31)</small> See CSI section 33 14 13 23-0001 for polyvinyl chloride pressure pipe.		
33 05 31 16	<b>Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905)</b> <small>(33 05 31)</small> See CSI section 33 14 13 23-0171 for AWWA C900 and 905 polyvinyl chloride pressure pipe.		
33 05 33	Polyethylene Utility Pipe <small>(33 05)</small>		
33 05 33 13	<b>Corrugated-Wall, Smooth Interior HDPE Gravity Pipe</b> <small>(33 05 33)</small> See CSI section 33 42 11 00-0189 for corrugated-wall smooth interior HDPE gravity pipe.		
33 05 33 23	<b>Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906)</b> <small>(33 05 33)</small> See CSI section 33 14 13 23-0426 for AWWA C906 high density polyethylene pipe.		
33 05 33 33	<b>Corrugated, Perforated HDPE Drainage Pipe</b> <small>(33 05 33)</small> See CSI section 33 42 11 00-0211 for corrugated perforated HDPE drainage pipe.		
33 05 33 36	<b>Corrugated, Non-Perforated HDPE Drainage Pipe</b> <small>(33 05 33)</small> See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.		
33 05 33 53	<b>HDPE Gas Utility Pipe</b> <small>(33 05 33)</small> See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.		
33 05 33 56	<b>Medium-Density Polyethylene Gas Utility Pipe</b> <small>(33 05 33)</small> See CSI section 33 52 16 23-0000 for Medium-Density Polyethylene Gas Utility Pipe.		
33 05 33 63	<b>HDPE Communication Duct</b> <small>(33 05 33)</small>		
33 05 33 63-0001	ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine <small>(33 05 33 63)</small> Note: Excludes boring.		
33 05 33 63-0002	LF 1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine ..... For Up To 250, Add ..... For >250 To 500, Add .....	3.10 0.08 0.06	
33 05 33 63-0003	LF 1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine ..... For Up To 250, Add ..... For >250 To 500, Add .....	3.46 0.10 0.07	
33 05 33 63-0004	LF 1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine ..... For Up To 250, Add ..... For >250 To 500, Add .....	3.74 0.12 0.08	
33 05 33 63-0005	LF 2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine ..... For Up To 250, Add ..... For >250 To 500, Add .....	4.10 0.14 0.09	
33 05 33 63-0006	LF 3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine ..... For Up To 250, Add ..... For >250 To 500, Add .....	5.37 0.29 0.20	
33 05 33 63-0007	LF 4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine ..... For Up To 250, Add ..... For >250 To 500, Add .....	6.69 0.45 0.30	
33 05 33 63-0008	LF 1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine ..... For Up To 250, Add ..... For >250 To 500, Add .....	3.16 0.09 0.06	
33 05 33 63-0009	LF 1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine ..... For Up To 250, Add ..... For >250 To 500, Add .....	3.57 0.12 0.08	
33 05 33 63-0010	LF 1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine ..... For Up To 250, Add ..... For >250 To 500, Add .....	3.83 0.13 0.09	
33 05 33 63-0011	LF 2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine ..... For Up To 250, Add ..... For >250 To 500, Add .....	4.33 0.17 0.12	
33 05 33 63-0012	LF 3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine ..... For Up To 250, Add ..... For >250 To 500, Add .....	5.87 0.37 0.25	

**33 Utilities****33 05 Common Work Results for Utilities****33 05 33 Polyethylene Utility Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 33	63-0013	LF	4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine .....	7.32	
			For Up To 250, Add .....	0.54	
			For >250 To 500, Add .....	0.36	
<b>33 05 39</b>	<b>Concrete Pipe</b> <small>(33 05)</small>				
<b>33 05 39 13</b>	<b>Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301)</b> <small>(33 05)</small>				
			<sup>39)</sup> See CSI section 33 42 11 00-0080 for prestressed concrete pressure pipe.		
<b>33 05 39 41</b>	<b>Reinforced Concrete Pipe for Sewers and Culverts</b> <small>(33 05 39)</small>				
			See CSI section 33 42 11 00-0001 for reinforced concrete pipe.		
<b>33 05 39 46</b>	<b>Reinforced Concrete Elliptical Pipe for Sewers and Culverts</b> <small>(33 05 39)</small>				
			See CSI section 33 42 11 00-0019 for reinforced concrete elliptical pipe.		
<b>33 05 41</b>	<b>Vitrified Clay Utility Pipe</b> <small>(33 05)</small>				
			See CSI section 33 42 11 00-0315 for vitrified clay piping.		
<b>33 05 61</b>	<b>Concrete Manholes</b> <small>(33 05)</small>				
<b>33 05 61 00-0001</b>	<b>Manholes</b> <small>(33 05 61)</small>				
<b>33 05 61 00-0002</b>	<b>Precast Concrete Manholes</b> <small>(33 05 61 00-0001)</small>				
			Note: Includes base, riser(s), reducer and openings. Excludes excavation, aggregate, backfill and frame/cover. See CSI section 33 05 84 00-0002 for top slabs.		
<b>33 05 61 00-0003</b>	<b>3' Diameter, Precast Concrete Manholes</b> <small>(33 05 61 00-0002)</small>				
33 05 61 00-0004	EA	4'	Deep, 3' Diameter, Precast Concrete Manhole .....	1,275.26	255.18
			For Bitumastic Coating, Add .....	54.89	
			For Epoxy Coating, Add .....	104.90	
33 05 61 00-0005	EA	6'	Deep, 3' Diameter, Precast Concrete Manhole .....	1,744.04	366.53
			For Bitumastic Coating, Add .....	82.34	
			For Epoxy Coating, Add .....	157.35	
33 05 61 00-0006	EA	8'	Deep, 3' Diameter, Precast Concrete Manhole .....	2,370.55	556.77
			For Bitumastic Coating, Add .....	109.79	
			For Epoxy Coating, Add .....	209.80	
33 05 61 00-0007	VLF		Riser For 3' Diameter, Precast Concrete Manhole .....	252.94	64.96
			Note: For depths greater than 8'.		
			For Bitumastic Coating, Add .....	13.72	
			For Epoxy Coating, Add .....	26.22	
33 05 61 00-0008	VLF		Drop Collar For 3' Diameter, Precast Concrete Manhole .....	270.99	64.96
33 05 61 00-0009	EA		Drop Base For 3' Diameter, Precast Concrete Manhole .....	421.19	64.96
33 05 61 00-0010	EA		Extended Base Slab For 3' Diameter, Precast Concrete Manhole .....	340.53	64.96
33 05 61 00-0011	EA		Precast Channel For 3' Diameter, Precast Concrete Manhole .....	477.91	64.96
<b>33 05 61 00-0012</b>	<b>4' Diameter, Precast Concrete Manholes</b> <small>(33 05 61 00-0002)</small>				
33 05 61 00-0013	EA	4'	Deep, 4' Diameter, Precast Concrete Manhole .....	1,702.31	292.30
			For Bitumastic Coating, Add .....	54.89	
			For Epoxy Coating, Add .....	104.90	
33 05 61 00-0014	EA	6'	Deep, 4' Diameter, Precast Concrete Manhole .....	2,276.40	399.01
			For Bitumastic Coating, Add .....	82.34	
			For Epoxy Coating, Add .....	157.35	
33 05 61 00-0015	EA	8'	Deep, 4' Diameter, Precast Concrete Manhole .....	3,036.84	603.16
			For Bitumastic Coating, Add .....	109.79	
			For Epoxy Coating, Add .....	209.80	
33 05 61 00-0016	VLF		Riser For 4' Diameter, Precast Concrete Manhole .....	329.96	76.56
			Note: For depths greater than 8'.		
			For Bitumastic Coating, Add .....	13.72	
			For Epoxy Coating, Add .....	26.22	
33 05 61 00-0017	VLF		Drop Collar For 4' Diameter, Precast Concrete Manhole .....	356.24	76.56
33 05 61 00-0018	EA		Drop Base For 4' Diameter, Precast Concrete Manhole .....	574.95	76.56
33 05 61 00-0019	EA		Extended Base Slab For 4' Diameter, Precast Concrete Manhole .....	457.50	76.56
33 05 61 00-0020	EA		Precast Channel For 4' Diameter, Precast Concrete Manhole .....	657.56	76.56
<b>33 05 61 00-0021</b>	<b>5' Diameter, Precast Concrete Manholes</b> <small>(33 05 61 00-0002)</small>				
33 05 61 00-0022	EA	4'	Deep, 5' Diameter, Precast Concrete Manhole .....	3,097.29	324.78
			For Bitumastic Coating, Add .....	70.73	
			For Epoxy Coating, Add .....	169.11	
33 05 61 00-0023	EA	6'	Deep, 5' Diameter, Precast Concrete Manhole .....	4,129.82	445.41
			For Bitumastic Coating, Add .....	106.09	
			For Epoxy Coating, Add .....	253.66	
33 05 61 00-0024	EA	8'	Deep, 5' Diameter, Precast Concrete Manhole .....	5,368.91	668.12
			For Bitumastic Coating, Add .....	141.46	
			For Epoxy Coating, Add .....	338.21	
33 05 61 00-0025	VLF		Riser For 5' Diameter, Precast Concrete Manhole .....	564.12	83.51
			Note: For depths greater than 8'.		
			For Bitumastic Coating, Add .....	17.68	
			For Epoxy Coating, Add .....	42.28	
<b>33 05 61 00-0026</b>	<b>6' Diameter, Precast Concrete Manholes</b> <small>(33 05 61 00-0002)</small>				
33 05 61 00-0027	EA	4'	Deep, 6' Diameter, Precast Concrete Manhole .....	4,122.63	361.90
			For Bitumastic Coating, Add .....	80.97	
			For Epoxy Coating, Add .....	197.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0028	EA		6' Deep, 6' Diameter, Precast Concrete Manhole <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	5,379.91 121.46 296.97	491.81
33 05 61 00-0029	EA		8' Deep, 6' Diameter, Precast Concrete Manhole <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	6,868.44 161.95 395.96	742.35
33 05 61 00-0030	VLF		Riser For 6' Diameter, Precast Concrete Manhole Note: For depths greater than 8'. <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	681.44 20.24 49.49	92.80
<b>33 05 61 00-0031</b>			<b>7' Diameter, Precast Concrete Manholes</b> <small>(33 05 61 00-0002)</small>		
33 05 61 00-0032	EA		4' Deep, 7' Diameter, Precast Concrete Manhole <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	6,424.22 172.19 345.95	399.01
33 05 61 00-0033	EA		6' Deep, 7' Diameter, Precast Concrete Manhole <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	8,319.88 258.29 518.93	544.23
33 05 61 00-0034	EA		8' Deep, 7' Diameter, Precast Concrete Manhole <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	10,469.80 344.38 691.91	816.58
33 05 61 00-0035	VLF		Riser For 7' Diameter, Precast Concrete Manhole Note: For depths greater than 8'. <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	1,006.76 43.05 86.49	102.07
<b>33 05 61 00-0036</b>			<b>8' Diameter, Precast Concrete Manholes</b> <small>(33 05 61 00-0002)</small>		
33 05 61 00-0037	EA		4' Deep, 8' Diameter, Precast Concrete Manhole <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	9,245.20 203.57 421.69	459.33
33 05 61 00-0038	EA		6' Deep, 8' Diameter, Precast Concrete Manhole <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	12,001.25 305.35 632.53	626.36
33 05 61 00-0039	EA		8' Deep, 8' Diameter, Precast Concrete Manhole <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	15,049.60 407.13 843.38	939.53
33 05 61 00-0040	VLF		Riser For 8' Diameter, Precast Concrete Manhole Note: For depths greater than 8'. <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	1,442.98 50.89 105.42	115.99
<b>33 05 63 Concrete Vaults and Chambers</b>					
<b>33 05 63 00-0001</b>			<b>Underground Utility Vaults And Structures</b> <small>(33 05 63)</small> See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.		
<b>33 05 63 00-0002</b>			<b>Precast Concrete Underground Utility Vault</b> <small>(33 05 63 00-0001)</small> Note: Sizes given are for inside dimensions.		
<b>33 05 63 00-0003</b>			<b>6' High Precast Concrete Underground Utility Vault</b> <small>(33 05 63 00-0002)</small>		
33 05 63 00-0004	EA		4' x 4' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	2,836.45	
33 05 63 00-0005	EA		4' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,697.34	
33 05 63 00-0006	EA		5' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,099.79	
33 05 63 00-0007	EA		5' x 12' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,043.16	
33 05 63 00-0008	EA		6' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,725.04	
33 05 63 00-0009	EA		6' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,751.79	
33 05 63 00-0010	EA		6' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,779.50	
33 05 63 00-0011	EA		6' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	9,795.06	
33 05 63 00-0012	EA		6' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	9,795.06	
33 05 63 00-0013	EA		6' x 16' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,333.54	
33 05 63 00-0014	EA		8' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,946.31	
33 05 63 00-0015	EA		8' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,139.90	
33 05 63 00-0016	EA		8' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	11,635.29	
33 05 63 00-0017	EA		8' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,095.50	
<b>33 05 63 00-0018</b>			<b>7' High Precast Concrete Underground Utility Vault</b> <small>(33 05 63 00-0002)</small>		
33 05 63 00-0019	EA		4' x 4' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,122.66	
33 05 63 00-0020	EA		4' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,054.65	

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 05 63 00-0021	EA	4' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	.....	4,986.61	
33 05 63 00-0022	EA	5' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	.....	6,635.28	
33 05 63 00-0023	EA	5' x 12' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	.....	7,650.66	
33 05 63 00-0024	EA	6' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	.....	5,153.42	
33 05 63 00-0025	EA	6' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	.....	6,252.23	
33 05 63 00-0026	EA	6' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	.....	7,351.01	
33 05 63 00-0027	EA	6' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	.....	10,651.85	
33 05 63 00-0028	EA	6' x 16' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	.....	13,380.80	
33 05 63 00-0029	EA	8' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	.....	7,517.79	
33 05 63 00-0030	EA	8' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	.....	8,782.48	
33 05 63 00-0031	EA	8' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	.....	12,587.85	
33 05 63 00-0032	EA	8' x 14' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	.....	14,141.83	
33 05 63 00-0033	EA	10' x 10' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	.....	12,777.64	
<b>33 05 63 00-0034</b>		<b>8' High Precast Concrete Underground Utility Vault</b> <small>(33 05 63 00-0002)</small>			
33 05 63 00-0035	EA	4' x 4' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	.....	3,407.94	
33 05 63 00-0036	EA	4' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	.....	4,411.95	
33 05 63 00-0037	EA	5' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	.....	7,170.77	
33 05 63 00-0038	EA	5' x 12' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	.....	8,257.24	
33 05 63 00-0039	EA	6' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	.....	5,581.82	
33 05 63 00-0040	EA	6' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	.....	6,751.70	
33 05 63 00-0041	EA	6' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	.....	7,921.60	
33 05 63 00-0042	EA	6' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	.....	11,508.61	
33 05 63 00-0043	EA	6' x 16' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	.....	14,428.13	
33 05 63 00-0044	EA	8' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	.....	8,088.37	
33 05 63 00-0045	EA	8' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	.....	9,425.06	
33 05 63 00-0046	EA	8' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	.....	13,539.41	
33 05 63 00-0047	EA	8' x 14' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	.....	15,189.15	
33 05 63 00-0048	EA	10' x 10' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	.....	13,729.92	
<b>33 05 63 00-0049</b>		<b>10' High Precast Concrete Underground Utility Vault</b> <small>(33 05 63 00-0002)</small>			
33 05 63 00-0050	EA	6' x 6' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	.....	6,010.23	
33 05 63 00-0051	EA	6' x 8' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	.....	7,251.17	
33 05 63 00-0052	EA	10' x 10' x 10' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	.....	14,681.43	
<b>33 05 63 00-0053</b>		<b>12' High Precast Concrete Underground Utility Vault</b> <small>(33 05 63 00-0002)</small>			
33 05 63 00-0054	EA	6' x 6' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	.....	6,438.62	
33 05 63 00-0055	EA	6' x 8' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	.....	7,751.60	
<b>33 05 63 00-0056</b>		<b>Meter Pit</b> <small>(33 05 63 00-0001)</small>			
<b>33 05 63 00-0057</b>		<b>Precast Concrete Meter Pit</b> <small>(33 05 63 00-0056)</small>			
33 05 63 00-0058	EA	4' x 4' x 4' Deep Precast Concrete Meter Pit	.....	2,035.48	
33 05 63 00-0059	EA	4' x 4' x 6' Deep Precast Concrete Meter Pit	.....	2,703.18	
33 05 63 00-0060	EA	4' x 4' x 8' Deep Precast Concrete Meter Pit	.....	3,311.82	
33 05 63 00-0061	EA	4' x 4' x 10' Deep Precast Concrete Meter Pit	.....	4,055.86	
33 05 63 00-0062	EA	4' x 4' x 15' Deep Precast Concrete Meter Pit	.....	5,442.66	
33 05 63 00-0063	EA	6' x 6' x 4' Deep Precast Concrete Meter Pit	.....	3,033.56	
33 05 63 00-0064	EA	6' x 6' x 6' Deep Precast Concrete Meter Pit	.....	4,055.86	
33 05 63 00-0065	EA	6' x 6' x 8' Deep Precast Concrete Meter Pit	.....	5,146.66	
33 05 63 00-0066	EA	6' x 6' x 10' Deep Precast Concrete Meter Pit	.....	6,423.78	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 05 63 00-0067	EA		6' x 6' x 15' Deep Precast Concrete Meter Pit.....	8,792.66	
<b>33 05 63 00-0068</b>				<b>Handhole Or Pull Box Enclosures</b> <small>(33 05 63 00-0001)</small>		
<b>33 05 63 00-0069</b>				<b>Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0068)</small>		
<b>33 05 63 00-0070</b>				<b>Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0069)</small>		
<b>33 05 63 00-0071</b>				<b>Flared Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0070)</small>		
<b>33 05 63 00-0072</b>				<b>Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0071)</small>		
	33 05 63 00-0073	EA		12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	242.02	20.36
	33 05 63 00-0074	EA		10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	215.64	45.20
	33 05 63 00-0075	EA		13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	328.93	67.81
	33 05 63 00-0076	EA		17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	379.69	67.81
	33 05 63 00-0077	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	362.92	67.81
	33 05 63 00-0078	EA		13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	436.12	67.81
	33 05 63 00-0079	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	425.07	67.81
	33 05 63 00-0080	EA		17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	573.29	67.81
	33 05 63 00-0081	EA		27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	812.85	90.41
	33 05 63 00-0082	EA		27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,131.84	90.41
	33 05 63 00-0083	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	748.15	124.31
	33 05 63 00-0084	EA		24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	848.05	124.31
	33 05 63 00-0085	EA		24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,367.71	124.31
	33 05 63 00-0086	EA		39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	799.62	135.61
	33 05 63 00-0087	EA		39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,126.83	135.61
	33 05 63 00-0088	EA		39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,394.41	135.61
	33 05 63 00-0089	EA		39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,027.30	135.61
	33 05 63 00-0090	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,164.31	212.25
	33 05 63 00-0091	EA		30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,656.78	212.25
<b>33 05 63 00-0092</b>				<b>Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0071)</small>		
	33 05 63 00-0093	EA		12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	308.33	20.36
	33 05 63 00-0094	EA		13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	407.90	67.81
	33 05 63 00-0095	EA		17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	489.60	67.81
	33 05 63 00-0096	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	453.03	67.81
	33 05 63 00-0097	EA		13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	515.59	67.81
	33 05 63 00-0098	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	532.00	67.81
	33 05 63 00-0099	EA		17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	681.14	67.81
	33 05 63 00-0100	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	916.08	124.31
	33 05 63 00-0101	EA		24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,015.97	124.31
	33 05 63 00-0102	EA		24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,535.65	124.31
	33 05 63 00-0103	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,360.54	212.25
	33 05 63 00-0104	EA		30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,856.76	212.25
<b>33 05 63 00-0105</b>				<b>Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0070)</small>		
<b>33 05 63 00-0106</b>				<b>Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0105)</small>		
	33 05 63 00-0107	EA		5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	393.65	20.36
	33 05 63 00-0108	EA		10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	333.64	20.36
	33 05 63 00-0109	EA		13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	284.64	67.81

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 05 63 00-0110	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	320.06		67.81
33 05 63 00-0111	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	96.59		20.36
33 05 63 00-0112	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	146.77		20.36
33 05 63 00-0113	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	233.87		20.36
33 05 63 00-0114	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	244.42		20.36
33 05 63 00-0115	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	211.96		45.20
33 05 63 00-0116	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	228.13		45.20
33 05 63 00-0117	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	144.62		20.36
33 05 63 00-0118	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	164.37		20.36
33 05 63 00-0119	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	226.45		45.20
33 05 63 00-0120	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	253.63		45.20
33 05 63 00-0121	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	236.04		45.20
33 05 63 00-0122	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	286.29		67.81
33 05 63 00-0123	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	312.95		67.81
33 05 63 00-0124	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	332.78		67.81
33 05 63 00-0125	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	362.65		67.81
33 05 63 00-0126	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	422.20		67.81
33 05 63 00-0127	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	458.32		67.81
33 05 63 00-0128	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	497.86		67.81
33 05 63 00-0129	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	522.71		67.81
33 05 63 00-0130	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	625.47		90.41
33 05 63 00-0131	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	639.94		124.31
33 05 63 00-0132	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	813.06		124.31
33 05 63 00-0133	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	972.92		124.31
33 05 63 00-0134	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,073.88		124.31
33 05 63 00-0135	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,174.29		124.31
33 05 63 00-0136	EA	36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,356.44		212.25
33 05 63 00-0137	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,002.53		212.25
33 05 63 00-0138	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,130.75		212.25
33 05 63 00-0139	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,375.93		212.25
33 05 63 00-0140	EA	30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,373.41		212.25
33 05 63 00-0141	EA	30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,464.94		212.25
33 05 63 00-0142	EA	30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,640.95		212.25
33 05 63 00-0143	EA	36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,517.69		227.41
33 05 63 00-0144	EA	36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,641.96		227.41
33 05 63 00-0145	EA	36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,800.62		227.41
33 05 63 00-0146	EA	36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,864.10		227.41
33 05 63 00-0147	EA	48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,886.16		227.41
33 05 63 00-0148	EA	48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,127.91		227.41
33 05 63 00-0149	EA	36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,658.43		227.41
33 05 63 00-0150	EA	36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,167.81		227.41
33 05 63 00-0151	EA	48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,436.56		242.57
33 05 63 00-0152	EA	48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,990.78		242.57
33 05 63 00-0153	EA	48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,816.73		242.57

33 05 63 00-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0155	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	376.58	67.81
33 05 63 00-0156	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	429.11	67.81
33 05 63 00-0157	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	159.55	20.36
33 05 63 00-0158	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	228.14	20.36
33 05 63 00-0159	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	303.95	20.36
33 05 63 00-0160	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	314.51	20.36
33 05 63 00-0161	EA	10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	280.99	45.20
33 05 63 00-0162	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	292.25	45.20
33 05 63 00-0163	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	307.29	45.20
33 05 63 00-0164	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	213.27	20.36
33 05 63 00-0165	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	251.03	20.36
33 05 63 00-0166	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	306.92	45.20
33 05 63 00-0167	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	334.11	45.20
33 05 63 00-0168	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	317.37	45.20
33 05 63 00-0169	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	376.07	67.81
33 05 63 00-0170	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	403.07	67.81
33 05 63 00-0171	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	439.92	67.81
33 05 63 00-0172	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	469.59	67.81
33 05 63 00-0173	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	528.97	67.81
33 05 63 00-0174	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	565.25	67.81
33 05 63 00-0175	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	604.61	67.81
33 05 63 00-0176	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	629.64	67.81
33 05 63 00-0177	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	773.19	90.41
33 05 63 00-0178	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	807.88	124.31
33 05 63 00-0179	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	980.80	124.31
33 05 63 00-0180	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,140.48	124.31
33 05 63 00-0181	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,241.28	124.31
33 05 63 00-0182	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,342.03	124.31
33 05 63 00-0183	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,196.91	212.25
33 05 63 00-0184	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,325.32	212.25
33 05 63 00-0185	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,570.31	212.25
<b>33 05 63 00-0186</b>		<b>Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small></b>		
33 05 63 00-0187	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	347.22	67.81
33 05 63 00-0188	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	401.21	67.81
33 05 63 00-0189	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	119.41	20.36
33 05 63 00-0190	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	192.90	20.36
33 05 63 00-0191	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	274.63	20.36
33 05 63 00-0192	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	285.37	20.36
33 05 63 00-0193	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	261.68	45.20
33 05 63 00-0194	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	292.97	45.20
33 05 63 00-0195	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	169.50	20.36
33 05 63 00-0196	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	277.06	45.20
33 05 63 00-0197	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	316.04	45.20
33 05 63 00-0198	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	287.19	45.20
33 05 63 00-0199	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	371.94	67.81
33 05 63 00-0200	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	425.23	67.81

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 05 63 00-0201	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	442.95	67.81
33 05 63 00-0202	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	485.14	67.81
33 05 63 00-0203	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	523.96	67.81
33 05 63 00-0204	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	560.61	67.81
33 05 63 00-0205	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	626.23	67.81
33 05 63 00-0206	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	635.38	67.81
33 05 63 00-0207	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	784.63	90.41
33 05 63 00-0208	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	822.72	124.31
33 05 63 00-0209	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,013.69	124.31
33 05 63 00-0210	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,202.55	124.31
33 05 63 00-0211	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,328.00	124.31
33 05 63 00-0212	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,453.44	124.31
33 05 63 00-0213	EA	36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,590.16	212.25
33 05 63 00-0214	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,236.27	212.25
33 05 63 00-0215	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,374.49	212.25
33 05 63 00-0216	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,619.50	212.25
33 05 63 00-0217	EA	30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,727.57	212.25
33 05 63 00-0218	EA	30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,761.41	212.25
33 05 63 00-0219	EA	30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,089.72	212.25
33 05 63 00-0220	EA	36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,947.32	227.41
33 05 63 00-0221	EA	36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,011.53	227.41
33 05 63 00-0222	EA	36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,193.67	227.41
33 05 63 00-0223	EA	36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,331.53	227.41
33 05 63 00-0224	EA	36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,147.26	227.41
33 05 63 00-0225	EA	36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,640.29	227.41
33 05 63 00-0226	EA	48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,300.76	227.41
33 05 63 00-0227	EA	48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,521.98	227.41
33 05 63 00-0228	EA	48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,045.05	242.57
33 05 63 00-0229	EA	48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,599.49	242.57
33 05 63 00-0230	EA	48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,829.87	242.57

**33 05 63 00-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures**(33 05 63 00-0105)

33 05 63 00-0232	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	439.14	67.81
33 05 63 00-0233	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	510.47	67.81
33 05 63 00-0234	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	181.87	20.36
33 05 63 00-0235	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	274.10	20.36
33 05 63 00-0236	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	344.56	20.36
33 05 63 00-0237	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	355.45	20.36
33 05 63 00-0238	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	342.16	45.20
33 05 63 00-0239	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	373.26	45.20
33 05 63 00-0240	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	258.74	20.36
33 05 63 00-0241	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	357.17	45.20
33 05 63 00-0242	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	396.15	45.20
33 05 63 00-0243	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	345.55	45.20

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0244	EA		13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	462.08	67.81
33 05 63 00-0245	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	515.37	67.81
33 05 63 00-0246	EA		17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	549.88	67.81
33 05 63 00-0247	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	592.09	67.81
33 05 63 00-0248	EA		17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	630.89	67.81
33 05 63 00-0249	EA		17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	667.56	67.81
33 05 63 00-0250	EA		17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	733.20	67.81
33 05 63 00-0251	EA		17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	742.31	67.81
33 05 63 00-0252	EA		24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	932.16	90.41
33 05 63 00-0253	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	990.64	124.31
33 05 63 00-0254	EA		24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,181.44	124.31
33 05 63 00-0255	EA		24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,370.10	124.31
33 05 63 00-0256	EA		24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,495.64	124.31
33 05 63 00-0257	EA		24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,621.18	124.31
33 05 63 00-0258	EA		30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,430.83	212.25
33 05 63 00-0259	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,569.24	212.25
33 05 63 00-0260	EA		30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,814.07	212.25
<b>33 05 63 00-0261</b>			<b>Footed, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)</b>		
33 05 63 00-0262	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	369.64	67.81
33 05 63 00-0263	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	249.51	45.20
33 05 63 00-0264	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	279.56	45.20
33 05 63 00-0265	EA		13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	330.63	67.81
33 05 63 00-0266	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	259.35	45.20
33 05 63 00-0267	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	288.14	45.20
<b>33 05 63 00-0268</b>			<b>Polymer Concrete Handhole Enclosure Extensions (33 05 63 00-0069)</b>		
33 05 63 00-0269	EA		13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	274.67	67.81
33 05 63 00-0270	EA		17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	306.00	67.81
33 05 63 00-0271	EA		24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	354.39	90.41
33 05 63 00-0272	EA		24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	385.14	90.41
33 05 63 00-0273	EA		24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	460.62	124.31
33 05 63 00-0274	EA		36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	820.12	212.25
33 05 63 00-0275	EA		30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	786.50	212.25
33 05 63 00-0276	EA		30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	793.84	212.25
33 05 63 00-0277	EA		36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	1,053.19	227.41
33 05 63 00-0278	EA		48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	1,636.20	242.57
33 05 63 00-0279	EA		48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	2,124.57	242.57
33 05 63 00-0280	EA		13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	439.02	67.81
33 05 63 00-0281	EA		17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	458.15	67.81
33 05 63 00-0282	EA		24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	494.58	90.41
33 05 63 00-0283	EA		24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	525.66	90.41
33 05 63 00-0284	EA		24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	614.37	124.31
33 05 63 00-0285	EA		30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	1,003.78	212.25
33 05 63 00-0286	EA		13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension .....	345.48	67.81
33 05 63 00-0287	EA		17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension .....	383.22	67.81
33 05 63 00-0288	EA		24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension .....	514.76	124.31
33 05 63 00-0289	EA		36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension .....	1,017.20	227.41

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 05 63 00-0290		Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0069)			
33 05 63 00-0291		Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)			
33 05 63 00-0292	EA	5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	94.08		9.05
33 05 63 00-0293	EA	10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	95.29		9.05
33 05 63 00-0294	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	88.39		9.05
33 05 63 00-0295	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	95.52		9.05
33 05 63 00-0296	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	96.43		9.04
33 05 63 00-0297	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	110.48		9.04
33 05 63 00-0298	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	127.85		9.04
33 05 63 00-0299	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	836.14		27.29
33 05 63 00-0300	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	732.56		27.29
33 05 63 00-0301	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,093.36		27.29
33 05 63 00-0302	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,105.66		27.29
33 05 63 00-0303	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,251.65		27.29
33 05 63 00-0304	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,363.16		27.29
33 05 63 00-0305	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	2,186.46		27.29
33 05 63 00-0306	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	80.72		9.04
33 05 63 00-0307	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	115.20		9.04
33 05 63 00-0308	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	116.80		9.04
33 05 63 00-0309	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	146.68		9.04
33 05 63 00-0310	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	110.92		9.04
33 05 63 00-0311	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	173.33		9.04
33 05 63 00-0312	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	136.31		9.04
33 05 63 00-0313	EA	27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	278.62		9.04
33 05 63 00-0314	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	244.80		13.56
33 05 63 00-0315	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	306.40		13.56
33 05 63 00-0316	EA	39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	394.72		15.82
33 05 63 00-0317	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	555.22		21.22
33 05 63 00-0318	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	577.45		40.43
33 05 63 00-0319	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	148.47		9.04
33 05 63 00-0320	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	211.24		9.04
33 05 63 00-0321	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	240.22		9.04
33 05 63 00-0322	EA	27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	398.73		9.04
33 05 63 00-0323	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	329.48		13.56
33 05 63 00-0324	EA	39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	556.00		15.82
33 05 63 00-0325	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	729.93		21.22
33 05 63 00-0326	EA	30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	984.65		27.29
33 05 63 00-0327	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	876.12		27.29
33 05 63 00-0328	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,221.24		27.29
33 05 63 00-0329	EA	48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,588.29		27.29
33 05 63 00-0330	EA	36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,521.33		27.29
33 05 63 00-0331	EA	48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,305.99		27.29
33 05 63 00-0332	EA	48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	3,558.38		27.29
33 05 63 00-0333	EA	11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	194.98		9.04
33 05 63 00-0334	EA	11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	213.11		9.04
33 05 63 00-0335	EA	13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	280.27		9.04
33 05 63 00-0336	EA	17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	319.25		9.04
33 05 63 00-0337	EA	27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	551.04		9.04
33 05 63 00-0338	EA	24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	401.25		13.56
33 05 63 00-0339	EA	24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	548.00		13.56
33 05 63 00-0340	EA	39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	849.04		15.82
33 05 63 00-0341	EA	36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	973.13		21.22
33 05 63 00-0342	EA	30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,012.89		40.43
33 05 63 00-0343	EA	30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,171.50		27.29
33 05 63 00-0344	EA	36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,632.94		27.29
33 05 63 00-0345	EA	48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,281.98		27.29
33 05 63 00-0346	EA	36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,037.03		27.29
33 05 63 00-0347	EA	48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	3,371.54		27.29
33 05 63 00-0348	EA	48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	5,200.51		27.29
33 05 63 00-0349		Polymer Concrete Handhole Enclosure Covers With Gaskets (33 05 63 00-0290)			
33 05 63 00-0350	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	107.89		9.05
33 05 63 00-0351	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	113.96		9.05
33 05 63 00-0352	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	115.93		9.04
33 05 63 00-0353	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	116.67		9.04
33 05 63 00-0354	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	134.48		9.04
33 05 63 00-0355	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	86.32		9.04
33 05 63 00-0356	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	120.94		9.04
33 05 63 00-0357	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	122.05		9.04
33 05 63 00-0358	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	152.59		9.04
33 05 63 00-0359	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	117.36		9.04
33 05 63 00-0360	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	143.11		9.04
33 05 63 00-0361	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	179.59		9.04
33 05 63 00-0362	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	249.00		13.56
33 05 63 00-0363	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	312.85		13.56
33 05 63 00-0364	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	584.07		40.43
33 05 63 00-0365	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	72.10		9.05
33 05 63 00-0366	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	112.06		9.05
33 05 63 00-0367	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	124.52		9.05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0368	EA		12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	118.98	9.05
33 05 63 00-0369	EA		10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	98.22	9.04
33 05 63 00-0370	EA		11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	154.19	9.04
33 05 63 00-0371	EA		11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	167.13	9.04
33 05 63 00-0372	EA		13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	217.33	9.04
33 05 63 00-0373	EA		17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	246.83	9.04
33 05 63 00-0374	EA		24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	335.39	13.56
33 05 63 00-0375	EA		24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	418.34	13.56
33 05 63 00-0376	EA		30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	767.36	40.43
<b>33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts (33 05 63 00-0290)</b>					
33 05 63 00-0378	EA		6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	58.35	9.05
33 05 63 00-0379	EA		7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	69.10	9.05
33 05 63 00-0380	EA		12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	83.57	9.05
33 05 63 00-0381	EA		8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	90.01	9.05
33 05 63 00-0382	EA		11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	89.82	9.04
33 05 63 00-0383	EA		13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	106.31	9.04
33 05 63 00-0384	EA		17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	122.51	9.04
33 05 63 00-0385	EA		24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	295.84	13.56
33 05 63 00-0386	EA		30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	553.32	40.43
33 05 63 00-0387	EA		30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	827.09	27.29
33 05 63 00-0388	EA		30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	722.33	27.29
33 05 63 00-0389	EA		48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,076.54	27.29
33 05 63 00-0390	EA		36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,039.08	27.29
33 05 63 00-0391	EA		36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,241.88	27.29
33 05 63 00-0392	EA		48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,327.08	27.29
33 05 63 00-0393	EA		48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,117.13	27.29
33 05 63 00-0394	EA		10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	77.67	9.04
33 05 63 00-0395	EA		10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	75.87	9.04
33 05 63 00-0396	EA		11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	111.33	9.04
33 05 63 00-0397	EA		11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	122.19	9.04
33 05 63 00-0398	EA		13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	138.11	9.04
33 05 63 00-0399	EA		13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	105.37	9.04
33 05 63 00-0400	EA		18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	117.36	9.04
33 05 63 00-0401	EA		17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	165.81	9.04
33 05 63 00-0402	EA		24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	239.93	13.56
33 05 63 00-0403	EA		20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	299.18	13.56
33 05 63 00-0404	EA		24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	295.67	13.56
33 05 63 00-0405	EA		36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	533.22	21.22
33 05 63 00-0406	EA		30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	553.32	24.25
<b>33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)</b>					
33 05 63 00-0408	EA		30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	860.84	27.29
33 05 63 00-0409	EA		36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,243.13	27.29
33 05 63 00-0410	EA		30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	722.64	40.43
33 05 63 00-0411	EA		30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	956.02	40.43
33 05 63 00-0412	EA		30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,021.36	27.29
33 05 63 00-0413	EA		36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,389.30	27.29
<b>33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)</b>					
33 05 63 00-0415	EA		24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	335.50	13.56
33 05 63 00-0416	EA		36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	624.08	21.22
33 05 63 00-0417	EA		30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	653.10	40.43
33 05 63 00-0418	EA		6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	55.36	9.05
33 05 63 00-0419	EA		8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	90.58	9.05
33 05 63 00-0420	EA		12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	99.49	9.05
33 05 63 00-0421	EA		8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	105.38	9.05
33 05 63 00-0422	EA		10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	92.68	9.04
33 05 63 00-0423	EA		11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	161.88	9.04
33 05 63 00-0424	EA		24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	448.64	13.56
33 05 63 00-0425	EA		36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	828.13	21.22
33 05 63 00-0426	EA		30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	868.41	40.43
<b>33 05 63 00-0427 Precast Concrete Handholes With Steel Cover (33 05 63 00-0068)</b>					
Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).					
33 05 63 00-0428	EA		12" x 12" x 12" Precast Concrete Handholes With Steel Cover	676.87	216.32
Note: 8000 To 12000 pound traffic rated top.					
For 15,000 to 22,500 Pound Traffic Rated Top, Add				18.00	
33 05 63 00-0429	EA		12" x 24" x 21" Precast Concrete Handholes With Steel Cover	1,114.87	324.49
Note: 8000 To 12000 pound traffic rated top.					
For 15,000 to 22,500 Pound Traffic Rated Top, Add				99.23	
33 05 63 00-0430	EA		18" x 30" x 18" Precast Concrete Handholes With Steel Cover	1,374.32	432.65
Note: 8000 To 12000 pound traffic rated top.					
For 15,000 to 22,500 Pound Traffic Rated Top, Add				171.83	
33 05 63 00-0431	EA		24" x 24" x 24" Precast Concrete Handholes With Steel Cover	1,417.77	432.65
Note: 8000 To 12000 pound traffic rated top.					
For 15,000 to 22,500 Pound Traffic Rated Top, Add				215.98	
33 05 63 00-0432	EA		24" x 24" x 30" Precast Concrete Handholes With Steel Cover	1,685.46	540.81
Note: 8000 To 12000 pound traffic rated top.					
For 15,000 to 22,500 Pound Traffic Rated Top, Add				259.07	

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 05 63 00-0433	EA	30" x 36" x 30" Precast Concrete Handholes With Steel Cover .....	1,758.08		540.81
		Note: 8000 To 12000 pound traffic rated top.			
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	287.48		
33 05 63 00-0434	EA	36" x 36" x 48" Precast Concrete Handholes With Steel Cover .....	2,045.53		648.97
		Note: 8000 To 12000 pound traffic rated top.			
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	334.99		
33 05 63 00-0435	EA	48" x 48" x 48" Precast Concrete Handholes With Steel Cover .....	2,355.56		757.14
		Note: 8000 To 12000 pound traffic rated top.			
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	475.88		
33 05 63 00-0436	EA	48" x 72" x 36" Precast Concrete Handholes With Steel Cover .....	2,259.80		648.97
		Note: 8000 To 12000 pound traffic rated top.			
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	524.31		
33 05 63 00-0437	EA	54" x 38" x 24" Precast Concrete Handholes With Steel Cover .....	2,278.23		648.97
		Note: 8000 To 12000 pound traffic rated top.			
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	354.11		
33 05 63 00-0438	EA	6" Diameter Precast Concrete Handholes With Steel Cover .....	558.95		216.32
		Note: 8000 To 12000 pound traffic rated top.			
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00		
33 05 63 00-0439	EA	9" Diameter Precast Concrete Handholes With Steel Cover .....	651.86		243.36
		Note: 8000 To 12000 pound traffic rated top.			
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00		
33 05 63 00-0440	EA	12" Diameter Precast Concrete Handholes With Steel Cover .....	783.55		270.41
		Note: 8000 To 12000 pound traffic rated top.			
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00		

**33 05 81 Metallic Castings for Utility Structures (33 05)****33 05 81 00-0001 Manhole Accessories (33 05 81)****33 05 81 00-0002 Steps For Cast-In-Place Manholes (33 05 81 00-0001)**

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 81 00-0003	EA	Cast Iron Manhole Step For New Manholes .....	72.67		
33 05 81 00-0004	EA	Galvanized Steel Manhole Step For New Manholes .....	51.40		
33 05 81 00-0005	EA	Aluminum Manhole Step For New Manholes .....	64.13		

**33 05 81 00-0006 Manhole Covers And Frames (33 05 81)**

Note: Includes moisture-tight masonry joints and waterproof grouting.

**33 05 81 00-0007 Regular Manhole Covers And Frames (33 05 81 00-0006)**

33 05 81 00-0008	EA	18" Square, Gray Iron, Manhole Cover With Frame .....	1,045.75		79.80
		For Ductile Iron Castings, Add	563.14		
33 05 81 00-0009	EA	18" Diameter, Gray Iron, Manhole Cover With Frame .....	631.76		79.80
		For Ductile Iron Castings, Add	273.35		
33 05 81 00-0010	EA	24" Diameter, Gray Iron, Manhole Cover With Frame .....	729.89		92.80
		For Ductile Iron Castings, Add	316.05		
33 05 81 00-0011	EA	24" Square, Gray Iron, Manhole Cover With Frame .....	1,093.79		103.01
		For Ductile Iron Castings, Add	549.14		
33 05 81 00-0012	EA	26" Diameter, Gray Iron, Manhole Cover With Frame .....	957.72		111.35
		For Ductile Iron Castings, Add	435.64		
33 05 81 00-0013	EA	30" Diameter, Gray Iron, Manhole Cover With Frame .....	998.37		115.99
		For Ductile Iron Castings, Add	455.28		

**33 05 81 00-0014 Watertight Type Manhole Covers And Frames (33 05 81 00-0006)**

33 05 81 00-0015	EA	20" Diameter, Gray Iron, Watertight Manhole Cover With Frame .....	1,150.61		65.88
		For Ductile Iron Castings, Add	621.86		
33 05 81 00-0016	EA	22" Diameter, Gray Iron, Watertight Manhole Cover With Frame .....	1,175.12		65.88
		For Ductile Iron Castings, Add	623.90		
33 05 81 00-0017	EA	24" Diameter, Gray Iron, Watertight Manhole Cover With Frame .....	1,206.46		77.02
		For Ductile Iron Castings, Add	628.01		
33 05 81 00-0018	EA	26" Diameter, Gray Iron, Watertight Manhole Cover With Frame .....	1,423.32		86.30
		For Ductile Iron Castings, Add	761.56		
33 05 81 00-0019	EA	30" Diameter, Gray Iron, Watertight Manhole Cover With Frame .....	1,632.31		88.15
		For Ductile Iron Castings, Add	899.04		
33 05 81 00-0020	EA	32" Diameter, Gray Iron, Watertight Manhole Cover With Frame .....	1,712.45		90.01
		For Ductile Iron Castings, Add	951.95		
33 05 81 00-0021	EA	36" Diameter, Gray Iron, Watertight Manhole Cover With Frame .....	1,784.52		92.80
		For Ductile Iron Castings, Add	999.09		

**33 05 81 00-0022 Aluminum Manhole Covers And Frames (33 05 81 00-0006)**

33 05 81 00-0023	EA	12" Square Aluminum Manhole Cover With Frame .....	741.54		26.65
33 05 81 00-0024	EA	18" Square Aluminum Manhole Cover With Frame .....	1,340.34		29.50
33 05 81 00-0025	EA	24" Square Aluminum Manhole Cover With Frame .....	1,915.03		34.26

**33 05 81 00-0026 Removal And Reinstallation Of Manhole Cover And Frame (33 05 81 00-0006)**

Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.

33 05 81 00-0027	EA	Removal And Reinstallation Of Manhole Cover And Frame .....	372.04		
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**33 05 83 Non-Metallic Accessories for Utility Structures (33 05)****33 05 83 00-0001 Manhole Accessories (33 05 83)**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 83 00-0002		<b>Steps For Cast-In-Place Manholes</b> (33 05 83 00-0001) See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.		
33 05 83 00-0003	EA	Polypropylene Manhole Step For New Manholes .....	40.26	
33 05 83 00-0004		<b>Rainguard Inflow Protectors</b> (33 05 83)		
33 05 83 00-0005	EA	18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	110.39	19.33
33 05 83 00-0006	EA	22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	126.59	19.33
33 05 83 00-0007	EA	24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	151.39	23.20
33 05 83 00-0008	EA	26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	161.63	23.20
33 05 83 00-0009	EA	30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	199.92	27.07
33 05 83 00-0010	EA	32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	212.49	27.07
33 05 84		<b>Accessories for Utility Structures</b> (33 05) See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 05 84 00-0001		<b>Manhole Accessories</b> (33 05 84)		
33 05 84 00-0002		<b>Precast Concrete Manhole Tops</b> (33 05 84 00-0001)		
33 05 84 00-0003		<b>Precast Concrete Manhole Slab Tops</b> (33 05 84 00-0002)		
33 05 84 00-0004	EA	3' Diameter x 8" Thick Precast Manhole Top Slab .....	440.39	69.60
33 05 84 00-0005	EA	4' Diameter x 8" Thick Precast Manhole Top Slab .....	589.47	75.17
33 05 84 00-0006	EA	5' Diameter x 8" Thick Precast Manhole Top Slab .....	771.61	80.73
33 05 84 00-0007	EA	6' Diameter x 8" Thick Precast Manhole Top Slab .....	911.71	86.30
33 05 84 00-0008		<b>Precast Concrete Manhole Cone Tops</b> (33 05 84 00-0002)		
33 05 84 00-0009	EA	3' Diameter x 8" Thick Precast Manhole Top Cone.....	672.01	86.99
33 05 84 00-0010	EA	3'-6" Diameter x 8" Thick Precast Manhole Top Cone .....	739.93	90.47
33 05 84 00-0011	EA	4' Diameter x 8" Thick Precast Manhole Top Cone.....	807.86	93.95
33 05 84 00-0012	EA	5' Diameter x 8" Thick Precast Manhole Top Cone.....	939.05	99.76
33 05 84 00-0013	EA	6' Diameter x 8" Thick Precast Manhole Top Cone.....	1,074.91	106.72
33 05 84 00-0014	EA	7' Diameter x 8" Thick Precast Manhole Top Cone.....	1,636.58	113.68
33 05 84 00-0015	EA	8' Diameter x 10" Thick Precast Manhole Top Cone.....	2,034.34	125.27
33 05 84 00-0016		<b>Precast Concrete Manhole Reducer Slabs</b> (33 05 84 00-0002)		
33 05 84 00-0017	EA	5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	1,038.36	80.73
33 05 84 00-0018	EA	6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	1,334.65	86.30
33 05 84 00-0019	EA	7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	1,758.12	86.30
33 05 84 00-0020	EA	8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	2,775.60	86.30
33 05 84 00-0021	EA	10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	3,567.17	86.30
33 05 84 00-0022	EA	12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	5,161.17	86.30
33 05 84 00-0023		<b>Pipe To Manhole Connector</b> (33 05 84 00-0001)		
33 05 84 00-0024		<b>Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors</b> (33 05 84 00-0023)		
33 05 84 00-0025	EA	4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	74.07	
33 05 84 00-0026	EA	6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	108.50	
33 05 84 00-0027	EA	8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	122.34	
33 05 84 00-0028	EA	10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	184.17	
33 05 84 00-0029	EA	12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	257.00	
33 05 84 00-0030	EA	15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	340.51	
33 05 84 00-0031	EA	18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	611.19	
33 05 84 00-0032	EA	21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	848.27	
33 05 84 00-0033	EA	24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,335.48	
33 05 84 00-0034	EA	27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,573.28	
33 05 84 00-0035		<b>Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout</b> (33 05 84 00-0023) Note: Fernco CMA.		
33 05 84 00-0036	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout .....	91.57	
33 05 84 00-0037	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout .....	126.58	
33 05 84 00-0038	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout .....	159.76	
33 05 84 00-0039	EA	10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout .....	192.80	
33 05 84 00-0040	EA	12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout .....	223.79	
33 05 84 00-0041		<b>Brick And Grout Pipe To Manhole Connector</b> (33 05 84 00-0023)		
33 05 84 00-0042	EA	Seal Gap Between Pipe And Structure With Brick And Grout.....	252.51	
33 05 84 00-0043		<b>Inverts For Manholes</b> (33 05 84 00-0001)		
33 05 84 00-0044	EA	Single Channel Concrete Invert For Manholes .....	399.56	
33 05 84 00-0045	EA	Double Channel Concrete Invert For Manholes .....	581.25	
33 05 84 00-0046	EA	Triple Channel Concrete Invert For Manholes .....	781.09	
33 05 84 00-0047	EA	Quad Channel Concrete Invert For Manholes.....	980.87	
33 05 84 00-0048	EA	Single Channel Brick Invert For Manholes.....	606.61	
33 05 84 00-0049	EA	Double Channel Brick Invert For Manholes.....	908.28	

**33 Utilities****33 05 Common Work Results for Utilities****33 05 84 Accessories for Utility Structures**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 05 84 00-0050	EA	Triple Channel Brick Invert For Manholes .....		1,215.17	
33 05 84 00-0051	EA	Quad Channel Brick Invert For Manholes .....		1,518.41	
<b>33 05 84 00-0052</b>		<b>Protective Coating For New Manholes</b> <small>(33 05 84 00-0001)</small>			
<b>33 05 84 00-0053</b>		<b>Polyurethane Protective Coating For New Manholes</b> <small>(33 05 84 00-0052)</small>			
33 05 84 00-0054	VLF	60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior .....		167.58	
		For 80 Mil Material, Add		23.51	
		For 100 Mil Material, Add		47.01	
		For 125 Mil Material, Add		74.05	
		For 150 Mil Material, Add		101.08	
		For 200 Mil Material, Add		148.89	
		For 2 To 5 Manholes, Deduct		-11.51	
		For 6 To 10 Manholes, Deduct		-18.83	
		For >10 Manholes, Deduct		-37.66	
33 05 84 00-0055	VLF	60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior .....		202.51	
		For 80 Mil Material, Add		27.96	
		For 100 Mil Material, Add		55.92	
		For 125 Mil Material, Add		88.00	
		For 150 Mil Material, Add		120.08	
		For 200 Mil Material, Add		176.59	
		For 2 To 5 Manholes, Deduct		-13.95	
		For 6 To 10 Manholes, Deduct		-22.84	
		For >10 Manholes, Deduct		-45.68	
33 05 84 00-0056	VLF	60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior .....		223.43	
		For 80 Mil Material, Add		31.34	
		For 100 Mil Material, Add		62.68	
		For 125 Mil Material, Add		98.72	
		For 150 Mil Material, Add		134.77	
		For 200 Mil Material, Add		198.51	
		For 2 To 5 Manholes, Deduct		-15.35	
		For 6 To 10 Manholes, Deduct		-25.11	
		For >10 Manholes, Deduct		-50.21	
33 05 84 00-0057	VLF	60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior .....		279.33	
		For 80 Mil Material, Add		39.19	
		For 100 Mil Material, Add		78.38	
		For 125 Mil Material, Add		123.46	
		For 150 Mil Material, Add		168.53	
		For 200 Mil Material, Add		248.24	
		For 2 To 5 Manholes, Deduct		-19.18	
		For 6 To 10 Manholes, Deduct		-31.39	
		For >10 Manholes, Deduct		-62.77	
33 05 84 00-0058	VLF	60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior .....		324.05	
		For 80 Mil Material, Add		46.19	
		For 100 Mil Material, Add		92.38	
		For 125 Mil Material, Add		145.63	
		For 150 Mil Material, Add		198.88	
		For 200 Mil Material, Add		293.41	
		For 2 To 5 Manholes, Deduct		-22.19	
		For 6 To 10 Manholes, Deduct		-36.27	
		For >10 Manholes, Deduct		-72.54	
<b>33 05 84 00-0059</b>		<b>Polyvinyl Chloride (PVC) Liner</b> <small>(33 05 84 00-0052)</small>			
		Note: For new manholes and shop applied.			
33 05 84 00-0060	VLF	3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....		199.07	
33 05 84 00-0061	VLF	3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole .....		244.02	
33 05 84 00-0062	VLF	4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....		297.78	
33 05 84 00-0063	VLF	5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....		373.96	
33 05 84 00-0064	VLF	6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....		450.13	
33 05 84 00-0065	SF	Polyvinyl Chloride (PVC) Liner At Structures .....		35.43	
<b>33 05 84 00-0066</b>		<b>Concrete Grade Extensions/Grade Rings</b> <small>(33 05 84 00-0001)</small>			
<b>33 05 84 00-0067</b>		<b>18" Diameter, Concrete Grade Extensions/Grade Rings</b> <small>(33 05 84 00-0066)</small>			
33 05 84 00-0068	EA	4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings .....		74.67	
33 05 84 00-0069	EA	6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....		81.25	
33 05 84 00-0070	EA	8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....		87.83	
33 05 84 00-0071	EA	10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....		94.42	
<b>33 05 84 00-0072</b>		<b>24" Diameter, Concrete Grade Extensions/Grade Rings</b> <small>(33 05 84 00-0066)</small>			
33 05 84 00-0073	EA	4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....		83.79	
33 05 84 00-0074	EA	6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....		91.27	
33 05 84 00-0075	EA	8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....		98.75	
33 05 84 00-0076	EA	10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....		106.23	
<b>33 05 84 00-0077</b>		<b>30" Diameter, Concrete Grade Extensions/Grade Rings</b> <small>(33 05 84 00-0066)</small>			
33 05 84 00-0078	EA	4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....		92.74	
33 05 84 00-0079	EA	6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....		101.08	
33 05 84 00-0080	EA	8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....		109.42	
33 05 84 00-0081	EA	10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....		117.76	
<b>33 05 84 00-0082</b>		<b>Bentonite Collar</b> <small>(33 05 84 00-0001)</small>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>33 05 84 00-0083</b>			<b>Bentonite Collar At Manhole Connections</b> (33 05 84 00-0082)		
33 05 84 00-0084	EA		Up To 12" Pipe, Bentonite Collar At Manhole Connection .....	121.79	
33 05 84 00-0085	EA		>12" To 21", Bentonite Collar At Manhole Connection .....	193.05	
33 05 84 00-0086	EA		>21" To 30" Pipe, Bentonite Collar At Manhole Connection .....	307.25	
33 05 84 00-0087	EA		>30" To 36" Pipe, Bentonite Collar At Manhole Connection .....	719.69	
33 05 84 00-0088	EA		>36" To 48" Pipe, Bentonite Collar At Manhole Connection .....	1,114.07	
33 05 84 00-0089	EA		>48" To 60" Pipe, Bentonite Collar At Manhole Connection .....	2,020.53	

**33 05 84 00-0090 Waste Water Collection System Taps** (33 05 84)  
 Note: For tapping existing structures only. Includes grout.

<b>33 05 84 00-0091</b>			<b>Brick Manhole Taps</b> (33 05 84 00-0090)		
33 05 84 00-0092	EA		4" Tap In 6" Brick Manhole.....	471.64	
33 05 84 00-0093	EA		6" Tap In 6" Brick Manhole.....	526.99	
33 05 84 00-0094	EA		8" Tap In 6" Brick Manhole.....	581.34	
33 05 84 00-0095	EA		10" Tap In 6" Brick Manhole.....	635.60	
33 05 84 00-0096	EA		12" Tap In 6" Brick Manhole.....	701.15	
33 05 84 00-0097	EA		15" Tap In 6" Brick Manhole.....	755.29	

**33 05 84 00-0098 Precast Concrete Manhole Tap** (33 05 84 00-0090)

33 05 84 00-0099	EA		4" Tap In Existing Precast Concrete Manhole.....	686.22	
33 05 84 00-0100	EA		6" Tap In Existing Precast Concrete Manhole.....	769.24	
33 05 84 00-0101	EA		8" Tap In Existing Precast Concrete Manhole.....	859.40	
33 05 84 00-0102	EA		10" Tap In Existing Precast Concrete Manhole.....	940.77	
33 05 84 00-0103	EA		12" Tap In Existing Precast Concrete Manhole.....	1,021.99	
33 05 84 00-0104	EA		15" Tap In Existing Precast Concrete Manhole.....	1,105.17	
33 05 84 00-0105	EA		18" Tap In Existing Precast Concrete Manhole.....	1,268.99	
33 05 84 00-0106	EA		24" Tap In Existing Precast Concrete Manhole.....	1,629.23	

**33 05 97 Identification and Signage for Utilities** (33 05)

**33 05 97 23 Utility Identification Warning Tape** (33 05 97)

<b>33 05 97 23-0001</b>			<b>Non-Detectable Utility Warning Tape</b> (33 05 97 23) Note: Labor installation is included with pipe and excavation..		
33 05 97 23-0002	CLF		3" Non-Detectable Utility Warning Tape.....	6.30	
33 05 97 23-0003	CLF		6" Non-Detectable Utility Warning Tape.....	8.66	

**33 05 97 23-0004 Detectable Utility Warning Tape** (33 05 97 23)  
 Note: Labor installation is included with pipe and excavation..

33 05 97 23-0005	CLF		2" Detectable Utility Warning Tape .....	6.32	
33 05 97 23-0006	CLF		3" Detectable Utility Warning Tape .....	8.48	
33 05 97 23-0007	CLF		6" Detectable Utility Warning Tape .....	13.25	

**33 10 Water Utilities** (33)

**33 11 Groundwater Sources** (33 10)

**33 11 13 Potable Water Supply Wells** (33 11)

<b>33 11 13 00-0001</b>			<b>Drill And Test Water Well</b> (33 11 13)		
<b>33 11 13 00-0002</b>			<b>Drill Hole</b> (33 11 13 00-0001) Note: Excludes loading and hauling of spoils.		
<b>33 11 13 00-0003</b>			<b>Mobilization And Demobilization</b> (33 11 13 00-0002)		
33 11 13 00-0004	EA		Up To 12" Diameter, Well Drilling Mobilization And Demobilization .....	904.09	
33 11 13 00-0005	EA		>12" To 24" Diameter, Well Drilling Mobilization And Demobilization .....	1,106.27	
33 11 13 00-0006	EA		>24" To 36" Diameter, Well Drilling Mobilization And Demobilization .....	1,659.39	

**33 11 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B.** (33 11 13 00-0002)  
 Note: Excludes well casing, gravel or materials.

33 11 13 00-0008	LF		Up To 6" Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	21.43	
			For >100 To 250, Add	0.54	
			For >250 To 400, Add	1.07	
			For >400 To 600, Add	1.61	
			For >600 To 750, Add	2.14	
			For >750, Add	2.68	
33 11 13 00-0009	LF		8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	25.44	
			For >100 To 250, Add	0.64	
			For >250 To 400, Add	1.27	
			For >400 To 600, Add	1.91	
			For >600 To 750, Add	2.54	
			For >750, Add	3.18	
33 11 13 00-0010	LF		10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	34.01	
			For >100 To 250, Add	0.85	
			For >250 To 400, Add	1.70	
			For >400 To 600, Add	2.55	
			For >600 To 750, Add	3.40	
			For >750, Add	4.25	

**33 Utilities****33 10 Water Utilities****33 11 Groundwater Sources**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0011	LF		12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	53.24	
			<i>For &gt;100 To 250, Add</i>	1.33	
			<i>For &gt;250 To 400, Add</i>	2.66	
			<i>For &gt;400 To 600, Add</i>	3.99	
			<i>For &gt;600 To 750, Add</i>	5.32	
			<i>For &gt;750, Add</i>	6.66	
33 11 13 00-0012	LF		14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	76.61	
			<i>For &gt;100 To 250, Add</i>	1.92	
			<i>For &gt;250 To 400, Add</i>	3.83	
			<i>For &gt;400 To 600, Add</i>	5.75	
			<i>For &gt;600 To 750, Add</i>	7.66	
			<i>For &gt;750, Add</i>	9.58	
33 11 13 00-0013	LF		16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	100.12	
			<i>For &gt;100 To 250, Add</i>	2.50	
			<i>For &gt;250 To 400, Add</i>	5.01	
			<i>For &gt;400 To 600, Add</i>	7.51	
			<i>For &gt;600 To 750, Add</i>	10.01	
			<i>For &gt;750, Add</i>	12.52	
33 11 13 00-0014	LF		18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	118.92	
			<i>For &gt;100 To 250, Add</i>	2.97	
			<i>For &gt;250 To 400, Add</i>	5.95	
			<i>For &gt;400 To 600, Add</i>	8.92	
			<i>For &gt;600 To 750, Add</i>	11.89	
			<i>For &gt;750, Add</i>	14.87	
33 11 13 00-0015	LF		20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	138.29	
			<i>For &gt;100 To 250, Add</i>	3.46	
			<i>For &gt;250 To 400, Add</i>	6.91	
			<i>For &gt;400 To 600, Add</i>	10.37	
			<i>For &gt;600 To 750, Add</i>	13.83	
			<i>For &gt;750, Add</i>	17.29	
33 11 13 00-0016	LF		22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	162.48	
			<i>For &gt;100 To 250, Add</i>	4.06	
			<i>For &gt;250 To 400, Add</i>	8.12	
			<i>For &gt;400 To 600, Add</i>	12.19	
			<i>For &gt;600 To 750, Add</i>	16.25	
			<i>For &gt;750, Add</i>	20.31	
33 11 13 00-0017	LF		24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	191.52	
			<i>For &gt;100 To 250, Add</i>	4.79	
			<i>For &gt;250 To 400, Add</i>	9.58	
			<i>For &gt;400 To 600, Add</i>	14.36	
			<i>For &gt;600 To 750, Add</i>	19.15	
			<i>For &gt;750, Add</i>	23.94	
33 11 13 00-0018	LF		26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	207.01	
			<i>For &gt;100 To 250, Add</i>	5.18	
			<i>For &gt;250 To 400, Add</i>	10.35	
			<i>For &gt;400 To 600, Add</i>	15.53	
			<i>For &gt;600 To 750, Add</i>	20.70	
			<i>For &gt;750, Add</i>	25.88	
33 11 13 00-0019	LF		28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	227.75	
			<i>For &gt;100 To 250, Add</i>	5.69	
			<i>For &gt;250 To 400, Add</i>	11.39	
			<i>For &gt;400 To 600, Add</i>	17.08	
			<i>For &gt;600 To 750, Add</i>	22.78	
			<i>For &gt;750, Add</i>	28.47	
33 11 13 00-0020	LF		30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	249.46	
			<i>For &gt;100 To 250, Add</i>	6.24	
			<i>For &gt;250 To 400, Add</i>	12.47	
			<i>For &gt;400 To 600, Add</i>	18.71	
			<i>For &gt;600 To 750, Add</i>	24.95	
			<i>For &gt;750, Add</i>	31.18	
33 11 13 00-0021	LF		36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	310.31	
			<i>For &gt;100 To 250, Add</i>	7.76	
			<i>For &gt;250 To 400, Add</i>	15.52	
			<i>For &gt;400 To 600, Add</i>	23.27	
			<i>For &gt;600 To 750, Add</i>	31.03	
			<i>For &gt;750, Add</i>	38.79	
<b>33 11 13 00-0022</b>			<b>Drill Hole In Sedimentary Rock</b> <small>(33 11 13 00-0002)</small>		
33 11 13 00-0023	LF		6" Water Well Hole Drilled In Sedimentary Rock.....	43.70	
			<i>For &gt;100 To 250, Add</i>	1.09	
			<i>For &gt;250 To 400, Add</i>	2.19	
			<i>For &gt;400 To 600, Add</i>	3.28	
			<i>For &gt;600 To 750, Add</i>	4.37	
			<i>For &gt;750, Add</i>	5.46	
33 11 13 00-0024	LF		8" Water Well Hole Drilled In Sedimentary Rock.....	50.89	
			<i>For &gt;100 To 250, Add</i>	1.27	
			<i>For &gt;250 To 400, Add</i>	2.54	
			<i>For &gt;400 To 600, Add</i>	3.82	
			<i>For &gt;600 To 750, Add</i>	5.09	
			<i>For &gt;750, Add</i>	6.36	
33 11 13 00-0025	LF		10" Water Well Hole Drilled In Sedimentary Rock.....	81.48	
			<i>For &gt;100 To 250, Add</i>	2.04	
			<i>For &gt;250 To 400, Add</i>	4.07	
			<i>For &gt;400 To 600, Add</i>	6.11	
			<i>For &gt;600 To 750, Add</i>	8.15	
			<i>For &gt;750, Add</i>	10.19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0026 LF 12" Water Well Hole Drilled In Sedimentary Rock.....	106.53	
For >100 To 250, Add	2.66	
For >250 To 400, Add	5.33	
For >400 To 600, Add	7.99	
For >600 To 750, Add	10.65	
For >750, Add	13.32	
33 11 13 00-0027 LF 14" Water Well Hole Drilled In Sedimentary Rock.....	153.33	
For >100 To 250, Add	3.83	
For >250 To 400, Add	7.67	
For >400 To 600, Add	11.50	
For >600 To 750, Add	15.33	
For >750, Add	19.17	
33 11 13 00-0028 LF 16" Water Well Hole Drilled In Sedimentary Rock.....	200.12	
For >100 To 250, Add	5.00	
For >250 To 400, Add	10.01	
For >400 To 600, Add	15.01	
For >600 To 750, Add	20.01	
For >750, Add	25.02	
33 11 13 00-0029 LF 18" Water Well Hole Drilled In Sedimentary Rock.....	237.96	
For >100 To 250, Add	5.95	
For >250 To 400, Add	11.90	
For >400 To 600, Add	17.85	
For >600 To 750, Add	23.80	
For >750, Add	29.75	
33 11 13 00-0030 LF 20" Water Well Hole Drilled In Sedimentary Rock.....	276.13	
For >100 To 250, Add	6.90	
For >250 To 400, Add	13.81	
For >400 To 600, Add	20.71	
For >600 To 750, Add	27.61	
For >750, Add	34.52	
33 11 13 00-0031 LF 22" Water Well Hole Drilled In Sedimentary Rock.....	325.24	
For >100 To 250, Add	8.13	
For >250 To 400, Add	16.26	
For >400 To 600, Add	24.39	
For >600 To 750, Add	32.52	
For >750, Add	40.66	
33 11 13 00-0032 LF 24" Water Well Hole Drilled In Sedimentary Rock.....	375.69	
For >100 To 250, Add	9.39	
For >250 To 400, Add	18.78	
For >400 To 600, Add	28.18	
For >600 To 750, Add	37.57	
For >750, Add	46.96	
33 11 13 00-0033 LF 26" Water Well Hole Drilled In Sedimentary Rock.....	414.02	
For >100 To 250, Add	10.35	
For >250 To 400, Add	20.70	
For >400 To 600, Add	31.05	
For >600 To 750, Add	41.40	
For >750, Add	51.75	
33 11 13 00-0034 LF 28" Water Well Hole Drilled In Sedimentary Rock.....	455.50	
For >100 To 250, Add	11.39	
For >250 To 400, Add	22.78	
For >400 To 600, Add	34.16	
For >600 To 750, Add	45.55	
For >750, Add	56.94	
33 11 13 00-0035 LF 30" Water Well Hole Drilled In Sedimentary Rock.....	498.93	
For >100 To 250, Add	12.47	
For >250 To 400, Add	24.95	
For >400 To 600, Add	37.42	
For >600 To 750, Add	49.89	
For >750, Add	62.37	
33 11 13 00-0036 LF 36" Water Well Hole Drilled In Sedimentary Rock.....	620.61	
For >100 To 250, Add	15.52	
For >250 To 400, Add	31.03	
For >400 To 600, Add	46.55	
For >600 To 750, Add	62.06	
For >750, Add	77.58	
<b>33 11 13 00-0037 Drill Hole In Crystalline Rock (33 11 13 00-0002)</b>		
33 11 13 00-0038 LF 6" Water Well Hole Drilled In Crystalline Rock.....	89.89	
For >100 To 250, Add	2.25	
For >250 To 400, Add	4.49	
For >400 To 600, Add	6.74	
For >600 To 750, Add	8.99	
For >750, Add	11.24	
33 11 13 00-0039 LF 8" Water Well Hole Drilled In Crystalline Rock.....	103.71	
For >100 To 250, Add	2.59	
For >250 To 400, Add	5.19	
For >400 To 600, Add	7.78	
For >600 To 750, Add	10.37	
For >750, Add	12.96	
33 11 13 00-0040 LF 10" Water Well Hole Drilled In Crystalline Rock.....	118.92	
For >100 To 250, Add	2.97	
For >250 To 400, Add	5.95	
For >400 To 600, Add	8.92	
For >600 To 750, Add	11.89	
For >750, Add	14.87	

**33 Utilities****33 10 Water Utilities****33 11 Groundwater Sources**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0041	LF		12" Water Well Hole Drilled In Crystalline Rock .....	150.73	
			For >100 To 250, Add	3.77	
			For >250 To 400, Add	7.54	
			For >400 To 600, Add	11.30	
			For >600 To 750, Add	15.07	
			For >750, Add	18.84	
33 11 13 00-0042	LF		14" Water Well Hole Drilled In Crystalline Rock .....	194.98	
			For >100 To 250, Add	4.87	
			For >250 To 400, Add	9.75	
			For >400 To 600, Add	14.62	
			For >600 To 750, Add	19.50	
			For >750, Add	24.37	
33 11 13 00-0043	LF		16" Water Well Hole Drilled In Crystalline Rock .....	283.48	
			For >100 To 250, Add	7.09	
			For >250 To 400, Add	14.17	
			For >400 To 600, Add	21.26	
			For >600 To 750, Add	28.35	
			For >750, Add	35.44	
33 11 13 00-0044	LF		18" Water Well Hole Drilled In Crystalline Rock .....	337.41	
			For >100 To 250, Add	8.44	
			For >250 To 400, Add	16.87	
			For >400 To 600, Add	25.31	
			For >600 To 750, Add	33.74	
			For >750, Add	42.18	
33 11 13 00-0045	LF		20" Water Well Hole Drilled In Crystalline Rock .....	391.34	
			For >100 To 250, Add	9.78	
			For >250 To 400, Add	19.57	
			For >400 To 600, Add	29.35	
			For >600 To 750, Add	39.13	
			For >750, Add	48.92	
33 11 13 00-0046	LF		22" Water Well Hole Drilled In Crystalline Rock .....	460.48	
			For >100 To 250, Add	11.51	
			For >250 To 400, Add	23.02	
			For >400 To 600, Add	34.54	
			For >600 To 750, Add	46.05	
			For >750, Add	57.56	
33 11 13 00-0047	LF		24" Water Well Hole Drilled In Crystalline Rock .....	532.39	
			For >100 To 250, Add	13.31	
			For >250 To 400, Add	26.62	
			For >400 To 600, Add	39.93	
			For >600 To 750, Add	53.24	
			For >750, Add	66.55	
33 11 13 00-0048			<b>Furnish And Install Casing</b> (33 11 13 00-0001)		
			Note: Excludes drilling of hole.		
33 11 13 00-0049			<b>Steel Well Casing</b> (33 11 13 00-0048)		
33 11 13 00-0050	LF		6" Diameter, Steel Well Casing, Flush .....	31.52	
			For >100 To 250, Deduct	-0.98	
			For >250 To 400, Deduct	-1.76	
			For >400 To 600, Deduct	-2.65	
			For >600 To 750, Deduct	-3.53	
			For >750, Deduct	-4.66	
33 11 13 00-0051	LF		8" Diameter, Steel Well Casing, Flush .....	39.21	
			For >100 To 250, Deduct	-1.22	
			For >250 To 400, Deduct	-2.20	
			For >400 To 600, Deduct	-3.29	
			For >600 To 750, Deduct	-4.39	
			For >750, Deduct	-5.80	
33 11 13 00-0052	LF		10" Diameter, Steel Well Casing, Flush .....	57.54	
			For >100 To 250, Deduct	-1.72	
			For >250 To 400, Deduct	-3.16	
			For >400 To 600, Deduct	-4.74	
			For >600 To 750, Deduct	-6.32	
			For >750, Deduct	-8.27	
33 11 13 00-0053	LF		12" Diameter, Steel Well Casing, Flush .....	95.48	
			For >100 To 250, Deduct	-2.73	
			For >250 To 400, Deduct	-5.11	
			For >400 To 600, Deduct	-7.67	
			For >600 To 750, Deduct	-10.23	
			For >750, Deduct	-13.22	
33 11 13 00-0054	LF		14" Diameter, Steel Well Casing, Flush .....	107.79	
			For >100 To 250, Deduct	-3.17	
			For >250 To 400, Deduct	-5.86	
			For >400 To 600, Deduct	-8.79	
			For >600 To 750, Deduct	-11.72	
			For >750, Deduct	-15.26	
33 11 13 00-0055	LF		16" Diameter, Steel Well Casing, Flush .....	126.79	
			For >100 To 250, Deduct	-3.75	
			For >250 To 400, Deduct	-6.92	
			For >400 To 600, Deduct	-10.38	
			For >600 To 750, Deduct	-13.85	
			For >750, Deduct	-18.07	
33 11 13 00-0056	LF		18" Diameter, Steel Well Casing, Flush .....	145.21	
			For >100 To 250, Deduct	-4.36	
			For >250 To 400, Deduct	-8.00	
			For >400 To 600, Deduct	-11.99	
			For >600 To 750, Deduct	-15.99	
			For >750, Deduct	-20.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0057	LF		20" Diameter, Steel Well Casing, Flush .....	166.07	
			For >100 To 250, Deduct	-5.06	
			For >250 To 400, Deduct	-9.21	
			For >400 To 600, Deduct	-13.81	
			For >600 To 750, Deduct	-18.42	
			For >750, Deduct	-24.19	
33 11 13 00-0058	LF		24" Diameter, Steel Well Casing, Flush .....	193.79	
			For >100 To 250, Deduct	-5.86	
			For >250 To 400, Deduct	-10.71	
			For >400 To 600, Deduct	-16.06	
			For >600 To 750, Deduct	-21.41	
			For >750, Deduct	-28.09	
33 11 13 00-0059	LB		Steel Well Casing, Furnish And Install .....	1.08	
			For >100 To 250, Deduct	-0.04	
			For >250 To 400, Deduct	-0.07	
			For >400 To 600, Deduct	-0.10	
			For >600 To 750, Deduct	-0.13	
			For >750, Deduct	-0.18	
<b>33 11 13 00-0060 Stainless Steel Well Casing, Flush Threaded</b> <small>(33 11 13 00-0048)</small>					
33 11 13 00-0061	LF		6" Diameter, Stainless Steel Well Casing, Flush .....	64.96	
			For >100 To 250, Deduct	-1.81	
			For >250 To 400, Deduct	-3.44	
			For >400 To 600, Deduct	-5.15	
			For >600 To 750, Deduct	-6.87	
			For >750, Deduct	-8.84	
33 11 13 00-0062	LF		8" Diameter, Stainless Steel Well Casing, Flush .....	97.36	
			For >100 To 250, Deduct	-2.67	
			For >250 To 400, Deduct	-5.10	
			For >400 To 600, Deduct	-7.66	
			For >600 To 750, Deduct	-10.21	
			For >750, Deduct	-13.06	
33 11 13 00-0063	LF		10" Diameter, Stainless Steel Well Casing, Flush .....	135.89	
			For >100 To 250, Deduct	-3.70	
			For >250 To 400, Deduct	-7.10	
			For >400 To 600, Deduct	-10.64	
			For >600 To 750, Deduct	-14.19	
			For >750, Deduct	-18.13	
33 11 13 00-0064	LF		12" Diameter, Stainless Steel Well Casing, Flush .....	158.07	
			For >100 To 250, Deduct	-4.31	
			For >250 To 400, Deduct	-8.26	
			For >400 To 600, Deduct	-12.39	
			For >600 To 750, Deduct	-16.52	
			For >750, Deduct	-21.12	
<b>33 11 13 00-0065 Stainless Steel Well Casing, Welded Ring</b> <small>(33 11 13 00-0048)</small>					
33 11 13 00-0066	LF		10" Diameter, Stainless Steel Well Casing, Welded .....	144.93	
			For >100 To 250, Deduct	-4.15	
			For >250 To 400, Deduct	-7.77	
			For >400 To 600, Deduct	-11.66	
			For >600 To 750, Deduct	-15.55	
			For >750, Deduct	-20.12	
33 11 13 00-0067	LF		12" Diameter, Stainless Steel Well Casing, Welded .....	167.87	
			For >100 To 250, Deduct	-4.80	
			For >250 To 400, Deduct	-9.00	
			For >400 To 600, Deduct	-13.49	
			For >600 To 750, Deduct	-17.99	
			For >750, Deduct	-23.27	
33 11 13 00-0068	LF		14" Diameter, Stainless Steel Well Casing, Welded .....	201.52	
			For >100 To 250, Deduct	-5.72	
			For >250 To 400, Deduct	-10.75	
			For >400 To 600, Deduct	-16.13	
			For >600 To 750, Deduct	-21.51	
			For >750, Deduct	-27.77	
33 11 13 00-0069	LF		16" Diameter, Stainless Steel Well Casing, Welded .....	230.74	
			For >100 To 250, Deduct	-6.54	
			For >250 To 400, Deduct	-12.31	
			For >400 To 600, Deduct	-18.46	
			For >600 To 750, Deduct	-24.62	
			For >750, Deduct	-31.78	
33 11 13 00-0070	LF		18" Diameter, Stainless Steel Well Casing, Welded .....	254.93	
			For >100 To 250, Deduct	-7.26	
			For >250 To 400, Deduct	-13.63	
			For >400 To 600, Deduct	-20.45	
			For >600 To 750, Deduct	-27.26	
			For >750, Deduct	-35.23	
33 11 13 00-0071	LF		20" Diameter, Stainless Steel Well Casing, Welded .....	333.59	
			For >100 To 250, Deduct	-9.39	
			For >250 To 400, Deduct	-17.73	
			For >400 To 600, Deduct	-26.60	
			For >600 To 750, Deduct	-35.47	
			For >750, Deduct	-45.71	
33 11 13 00-0072	LF		24" Diameter, Stainless Steel Well Casing, Welded .....	439.21	
			For >100 To 250, Deduct	-12.30	
			For >250 To 400, Deduct	-23.28	
			For >400 To 600, Deduct	-34.92	
			For >600 To 750, Deduct	-46.56	
			For >750, Deduct	-59.91	

**33 Utilities****33 10 Water Utilities****33 11 Groundwater Sources**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 11 13 00-0073	<b>Polyvinyl Chloride (PVC) Well Casing, Schedule 80</b> (33 11 13 00-0048)		
33 11 13 00-0074	LF 6" Polyvinyl Chloride (PVC) Well Casing.....	37.05	
	For >100 To 250, Deduct	-1.08	
	For >250 To 400, Deduct	-2.00	
	For >400 To 600, Deduct	-3.00	
	For >600 To 750, Deduct	-4.01	
	For >750, Deduct	-5.20	
33 11 13 00-0075	LF 8" Polyvinyl Chloride (PVC) Well Casing.....	58.82	
	For >100 To 250, Deduct	-1.71	
	For >250 To 400, Deduct	-3.18	
	For >400 To 600, Deduct	-4.76	
	For >600 To 750, Deduct	-6.35	
	For >750, Deduct	-8.25	
33 11 13 00-0076	LF 10" Polyvinyl Chloride (PVC) Well Casing.....	88.90	
	For >100 To 250, Deduct	-2.58	
	For >250 To 400, Deduct	-4.80	
	For >400 To 600, Deduct	-7.20	
	For >600 To 750, Deduct	-9.61	
	For >750, Deduct	-12.47	
33 11 13 00-0077	LF 12" Polyvinyl Chloride (PVC) Well Casing.....	104.93	
	For >100 To 250, Deduct	-3.06	
	For >250 To 400, Deduct	-5.68	
	For >400 To 600, Deduct	-8.52	
	For >600 To 750, Deduct	-11.36	
	For >750, Deduct	-14.76	
33 11 13 00-0078	<b>Furnish And Install Well Screen Assembly</b> (33 11 13 00-0001)		
33 11 13 00-0079	<b>Stainless Steel Well Screen</b> (33 11 13 00-0078)		
33 11 13 00-0080	LF 2" Stainless Steel Well Screen.....	20.72	1.51
	For >100 To 250, Deduct	-0.71	
	For >250 To 400, Deduct	-1.23	
	For >400 To 600, Deduct	-1.84	
	For >600 To 750, Deduct	-2.46	
	For >750, Deduct	-3.32	
33 11 13 00-0081	LF 3" Stainless Steel Well Screen.....	32.54	1.51
	For >100 To 250, Deduct	-1.02	
	For >250 To 400, Deduct	-1.84	
	For >400 To 600, Deduct	-2.75	
	For >600 To 750, Deduct	-3.67	
	For >750, Deduct	-4.86	
33 11 13 00-0082	LF 4" Stainless Steel Well Screen.....	40.88	2.26
	For >100 To 250, Deduct	-1.29	
	For >250 To 400, Deduct	-2.31	
	For >400 To 600, Deduct	-3.46	
	For >600 To 750, Deduct	-4.62	
	For >750, Deduct	-6.11	
33 11 13 00-0083	LF 5" Stainless Steel Well Screen.....	51.62	2.26
	For >100 To 250, Deduct	-1.60	
	For >250 To 400, Deduct	-2.90	
	For >400 To 600, Deduct	-4.34	
	For >600 To 750, Deduct	-5.79	
	For >750, Deduct	-7.65	
33 11 13 00-0084	LF 6" Stainless Steel Well Screen.....	62.05	3.01
	For >100 To 250, Deduct	-1.97	
	For >250 To 400, Deduct	-3.52	
	For >400 To 600, Deduct	-5.28	
	For >600 To 750, Deduct	-7.04	
	For >750, Deduct	-9.35	
33 11 13 00-0085	LF 8" Stainless Steel Well Screen.....	80.95	3.77
	For >100 To 250, Deduct	-2.56	
	For >250 To 400, Deduct	-4.58	
	For >400 To 600, Deduct	-6.87	
	For >600 To 750, Deduct	-9.17	
	For >750, Deduct	-12.15	
33 11 13 00-0086	LF 10" Stainless Steel Well Screen.....	102.88	6.03
	For >100 To 250, Deduct	-3.29	
	For >250 To 400, Deduct	-5.87	
	For >400 To 600, Deduct	-8.80	
	For >600 To 750, Deduct	-11.73	
	For >750, Deduct	-15.61	
33 11 13 00-0087	LF 12" Stainless Steel Well Screen.....	120.68	7.53
	For >100 To 250, Deduct	-3.86	
	For >250 To 400, Deduct	-6.88	
	For >400 To 600, Deduct	-10.32	
	For >600 To 750, Deduct	-13.76	
	For >750, Deduct	-18.29	
33 11 13 00-0088	LF 14" Stainless Steel Well Screen.....	132.65	8.29
	For >100 To 250, Deduct	-4.29	
	For >250 To 400, Deduct	-7.60	
	For >400 To 600, Deduct	-11.41	
	For >600 To 750, Deduct	-15.21	
	For >750, Deduct	-20.27	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0089	LF		16" Stainless Steel Well Screen.....	143.73	9.79
			<i>For &gt;100 To 250, Deduct</i>	-4.69	
			<i>For &gt;250 To 400, Deduct</i>	-8.28	
			<i>For &gt;400 To 600, Deduct</i>	-12.42	
			<i>For &gt;600 To 750, Deduct</i>	-16.56	
			<i>For &gt;750, Deduct</i>	-22.11	
33 11 13 00-0090	LF		18" Stainless Steel Well Screen.....	172.65	11.30
			<i>For &gt;100 To 250, Deduct</i>	-5.66	
			<i>For &gt;250 To 400, Deduct</i>	-9.98	
			<i>For &gt;400 To 600, Deduct</i>	-14.97	
			<i>For &gt;600 To 750, Deduct</i>	-19.96	
			<i>For &gt;750, Deduct</i>	-26.69	
33 11 13 00-0091	LF		20" Stainless Steel Well Screen.....	217.72	14.31
			<i>For &gt;100 To 250, Deduct</i>	-7.13	
			<i>For &gt;250 To 400, Deduct</i>	-12.58	
			<i>For &gt;400 To 600, Deduct</i>	-18.86	
			<i>For &gt;600 To 750, Deduct</i>	-25.15	
			<i>For &gt;750, Deduct</i>	-33.64	
33 11 13 00-0092	LF		24" Stainless Steel Well Screen.....	282.51	18.83
			<i>For &gt;100 To 250, Deduct</i>	-9.28	
			<i>For &gt;250 To 400, Deduct</i>	-16.34	
			<i>For &gt;400 To 600, Deduct</i>	-24.51	
			<i>For &gt;600 To 750, Deduct</i>	-32.68	
			<i>For &gt;750, Deduct</i>	-43.73	
33 11 13 00-0093	LF		26" Stainless Steel Well Screen.....	325.62	21.85
			<i>For &gt;100 To 250, Deduct</i>	-10.65	
			<i>For &gt;250 To 400, Deduct</i>	-18.79	
			<i>For &gt;400 To 600, Deduct</i>	-28.19	
			<i>For &gt;600 To 750, Deduct</i>	-37.58	
			<i>For &gt;750, Deduct</i>	-50.25	
<b>33 11 13 00-0094</b>			<b>Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40</b> <small>(33 11 13 00-0078)</small>		
33 11 13 00-0095	LF		1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	11.95	
			<i>For &gt;100 To 250, Deduct</i>	-0.44	
			<i>For &gt;250 To 400, Deduct</i>	-0.74	
			<i>For &gt;400 To 600, Deduct</i>	-1.11	
			<i>For &gt;600 To 750, Deduct</i>	-1.48	
			<i>For &gt;750, Deduct</i>	-2.04	
			<i>For Schedule 80, Add</i>	2.47	
33 11 13 00-0096	LF		1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	13.58	
			<i>For &gt;100 To 250, Deduct</i>	-0.49	
			<i>For &gt;250 To 400, Deduct</i>	-0.83	
			<i>For &gt;400 To 600, Deduct</i>	-1.25	
			<i>For &gt;600 To 750, Deduct</i>	-1.67	
			<i>For &gt;750, Deduct</i>	-2.28	
			<i>For Schedule 80, Add</i>	2.96	
33 11 13 00-0097	LF		2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	19.68	
			<i>For &gt;100 To 250, Deduct</i>	-0.77	
			<i>For &gt;250 To 400, Deduct</i>	-1.26	
			<i>For &gt;400 To 600, Deduct</i>	-1.89	
			<i>For &gt;600 To 750, Deduct</i>	-2.52	
			<i>For &gt;750, Deduct</i>	-3.51	
			<i>For Schedule 80, Add</i>	3.46	
33 11 13 00-0098	LF		3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	27.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.00	
			<i>For &gt;250 To 400, Deduct</i>	-1.70	
			<i>For &gt;400 To 600, Deduct</i>	-2.54	
			<i>For &gt;600 To 750, Deduct</i>	-3.39	
			<i>For &gt;750, Deduct</i>	-4.63	
			<i>For Schedule 80, Add</i>	6.42	
33 11 13 00-0099	LF		4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	35.19	
			<i>For &gt;100 To 250, Deduct</i>	-1.26	
			<i>For &gt;250 To 400, Deduct</i>	-2.14	
			<i>For &gt;400 To 600, Deduct</i>	-3.20	
			<i>For &gt;600 To 750, Deduct</i>	-4.27	
			<i>For &gt;750, Deduct</i>	-5.83	
			<i>For Schedule 80, Add</i>	8.05	
33 11 13 00-0100	LF		5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	43.86	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 400, Deduct</i>	-2.64	
			<i>For &gt;400 To 600, Deduct</i>	-3.96	
			<i>For &gt;600 To 750, Deduct</i>	-5.28	
			<i>For &gt;750, Deduct</i>	-7.19	
			<i>For Schedule 80, Add</i>	10.37	
33 11 13 00-0101	LF		6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	49.23	
			<i>For &gt;100 To 250, Deduct</i>	-1.83	
			<i>For &gt;250 To 400, Deduct</i>	-3.06	
			<i>For &gt;400 To 600, Deduct</i>	-4.59	
			<i>For &gt;600 To 750, Deduct</i>	-6.12	
			<i>For &gt;750, Deduct</i>	-8.43	
			<i>For Schedule 80, Add</i>	10.12	
33 11 13 00-0102	LF		8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	70.10	
			<i>For &gt;100 To 250, Deduct</i>	-2.52	
			<i>For &gt;250 To 400, Deduct</i>	-4.27	
			<i>For &gt;400 To 600, Deduct</i>	-6.41	
			<i>For &gt;600 To 750, Deduct</i>	-8.54	
			<i>For &gt;750, Deduct</i>	-11.67	
			<i>For Schedule 80, Add</i>	15.80	

**33 Utilities****33 10 Water Utilities****33 11 Groundwater Sources**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0103			<b>Furnish And Install Gravel Pack Material</b> <small>(33 11 13 00-0001)</small> Note: Quantity is based on 3" space between wall and the casing or well screen.		
33 11 13 00-0104			<b>Artificial Gravel Pack</b> <small>(33 11 13 00-0103)</small> Note: Excludes casing.		
33 11 13 00-0105	LF		Artificial Gravel Pack, 6" Casing, 2" Screen .....	11.35	
			For >100 To 250, Deduct	-0.50	
			For >250 To 400, Deduct	-0.78	
			For >400 To 600, Deduct	-1.18	
			For >600 To 750, Deduct	-1.57	
			For >750, Deduct	-2.24	
33 11 13 00-0106	LF		Artificial Gravel Pack, 8" Casing, 2" Screen .....	17.25	
			For >100 To 250, Deduct	-0.77	
			For >250 To 400, Deduct	-1.20	
			For >400 To 600, Deduct	-1.80	
			For >600 To 750, Deduct	-2.40	
			For >750, Deduct	-3.45	
33 11 13 00-0107	LF		Artificial Gravel Pack, 10" Casing, 2" Screen .....	24.85	
			For >100 To 250, Deduct	-1.13	
			For >250 To 400, Deduct	-1.75	
			For >400 To 600, Deduct	-2.62	
			For >600 To 750, Deduct	-3.50	
			For >750, Deduct	-5.03	
33 11 13 00-0108	LF		Artificial Gravel Pack, 12" Casing, 2" Screen .....	31.34	
			For >100 To 250, Deduct	-1.41	
			For >250 To 400, Deduct	-2.20	
			For >400 To 600, Deduct	-3.29	
			For >600 To 750, Deduct	-4.39	
			For >750, Deduct	-6.30	
33 11 13 00-0109	LF		Artificial Gravel Pack, 14" Casing, 2" Screen .....	38.06	
			For >100 To 250, Deduct	-1.70	
			For >250 To 400, Deduct	-2.65	
			For >400 To 600, Deduct	-3.98	
			For >600 To 750, Deduct	-5.31	
			For >750, Deduct	-7.61	
33 11 13 00-0110	LF		Artificial Gravel Pack, 16" Casing, 2" Screen .....	48.11	
			For >100 To 250, Deduct	-2.13	
			For >250 To 400, Deduct	-3.33	
			For >400 To 600, Deduct	-5.00	
			For >600 To 750, Deduct	-6.66	
			For >750, Deduct	-9.53	
33 11 13 00-0111	LF		Artificial Gravel Pack, 18" Casing, 2" Screen .....	54.80	
			For >100 To 250, Deduct	-2.42	
			For >250 To 400, Deduct	-3.79	
			For >400 To 600, Deduct	-5.68	
			For >600 To 750, Deduct	-7.57	
			For >750, Deduct	-10.83	
33 11 13 00-0112	LF		Artificial Gravel Pack, 20" Casing, 2" Screen .....	65.94	
			For >100 To 250, Deduct	-2.93	
			For >250 To 400, Deduct	-4.58	
			For >400 To 600, Deduct	-6.86	
			For >600 To 750, Deduct	-9.15	
			For >750, Deduct	-13.10	
33 11 13 00-0113	LF		Artificial Gravel Pack, 24" Casing, 2" Screen .....	75.13	
			For >100 To 250, Deduct	-3.35	
			For >250 To 400, Deduct	-5.22	
			For >400 To 600, Deduct	-7.84	
			For >600 To 750, Deduct	-10.45	
			For >750, Deduct	-14.97	
33 11 13 00-0114	LF		Artificial Gravel Pack, 26" Casing, 2" Screen .....	79.75	
			For >100 To 250, Deduct	-3.53	
			For >250 To 400, Deduct	-5.52	
			For >400 To 600, Deduct	-8.28	
			For >600 To 750, Deduct	-11.04	
			For >750, Deduct	-15.79	
33 11 13 00-0115	LF		Artificial Gravel Pack, 30" Casing, 2" Screen .....	96.53	
			For >100 To 250, Deduct	-4.30	
			For >250 To 400, Deduct	-6.71	
			For >400 To 600, Deduct	-10.07	
			For >600 To 750, Deduct	-13.42	
			For >750, Deduct	-19.23	
33 11 13 00-0116	LF		Artificial Gravel Pack, 36" Casing, 2" Screen .....	114.65	
			For >100 To 250, Deduct	-5.17	
			For >250 To 400, Deduct	-8.03	
			For >400 To 600, Deduct	-12.05	
			For >600 To 750, Deduct	-16.06	
			For >750, Deduct	-23.07	
33 11 13 00-0117			<b>Develop Well</b> <small>(33 11 13 00-0001)</small> Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.		
33 11 13 00-0118	HR		Develop Well .....	333.49	
33 11 13 00-0119			<b>Pump Test</b> <small>(33 11 13 00-0001)</small> Note: To determine water level and GPM flow rate.		
33 11 13 00-0120	HR		Pump Test Well .....	298.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 11 13 00-0121			<b>Test Well</b> (33 11 13 00-0001)		
33 11 13 00-0122	VLF		2-1/2" Diameter Test Well .....	90.54	
33 11 13 00-0123			<b>Surface Seal, Concrete Filled</b> (33 11 13)		
33 11 13 00-0124	SF		Surface Seal Well, Concrete Filled .....	28.21	
33 11 13 00-0125			<b>Other Water Well</b> (33 11 13)		
33 11 13 00-0126	SF		Patch Hole In Well Casing .....	79.60	
33 11 13 00-0127	SF		1/2" Pressure Grout Well .....	1.98	
33 11 13 00-0128	SF		1" Pressure Grout Well .....	3.19	
33 11 13 00-0129	CF		Sediment Removal In Well Casing For Existing Well .....	4.71	
33 11 13 00-0130			<b>Sterilization Of Well</b> (33 11 13)		
33 11 13 00-0131	EA		Well Sterilization, Chlorine .....	1,490.41	
33 11 13 00-0132			<b>Submersible Well Pumps</b> (33 11 13) Note: Includes pump end, motor and control box.		
33 11 13 00-0133			<b>4" Submersible Well Pumps</b> (33 11 13 00-0132)		
33 11 13 00-0134			<b>Powder Coated Case And Cast Iron Ends</b> (33 11 13 00-0133)		
33 11 13 00-0135	EA		1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends .....	1,275.06	422.35
33 11 13 00-0136	EA		3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends .....	1,454.85	468.12
33 11 13 00-0137	EA		1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends .....	1,614.56	520.13
33 11 13 00-0138			<b>Stainless Steel Case And Ends</b> (33 11 13 00-0133)		
33 11 13 00-0139	EA		1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel .....	1,447.94	416.10
33 11 13 00-0140	EA		3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel .....	1,652.61	468.12
33 11 13 00-0141	EA		1 HP Submersible Well Pump, 4" Diameter Stainless Steel .....	1,853.75	520.13
33 11 13 00-0142	EA		1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel .....	2,128.28	572.15
33 11 13 00-0143	EA		2 HP Submersible Well Pump, 4" Diameter Stainless Steel .....	2,413.47	624.16
33 11 13 00-0144	EA		3 HP Submersible Well Pump, 4" Diameter Stainless Steel .....	2,976.75	728.18
33 11 13 00-0145	EA		5 HP Submersible Well Pump, 4" Diameter Stainless Steel .....	3,761.47	832.21
33 11 13 00-0146			<b>6" Submersible Well Pumps</b> (33 11 13 00-0132)		
33 11 13 00-0147	EA		5 HP Submersible Well Pump, 6" Diameter Stainless Steel .....	3,610.39	1,040.27
33 11 13 00-0148	EA		7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel .....	4,174.72	1,144.30
33 11 13 00-0149	EA		10 HP Submersible Well Pump, 6" Diameter Stainless Steel .....	4,761.82	1,248.32
33 11 13 00-0150	EA		15 HP Submersible Well Pump, 6" Diameter Stainless Steel .....	6,026.93	1,456.37

33 14 Water Utility Transmission and Distribution (33 10)

**33 14 11 Water Utility Transmission Piping** (33 14)

See CSI section 33 14 13 00-0000 for water utility transmission piping.

**33 14 13 Public Water Utility Distribution Piping** (33 14)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

**33 14 13 13 Ductile Iron Public Water Utility Distribution Piping** (33 14 13)

33 14 13 13-0001 Ductile Iron Piping (33 14 13 13)

33 14 13 13-0002 Mechanical Joint Ductile Iron Piping (33 14 13 13-0001)

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0480 for bolts and gaskets.

33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe (33 14 13 13-0002)

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-0004	LF		3", Class 51, Mechanical Joint Ductile Iron Pipe .....	33.84	11.39
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add .....	11.62	
			For Cement Mortar Lining (CML), Add .....	1.66	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add .....	8.96	
			For Fusion Bonded Epoxy Lining (206N), Add .....	2.99	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add .....	1.25	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct .....	-1.69	
			For Class 52, Add .....	3.67	
			For Class 53, Add .....	9.54	
			For Class 54, Add .....	13.58	
			For Class 55, Add .....	15.66	
			For Class 56, Add .....	17.70	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0005	LF	4", Class 50, Mechanical Joint Ductile Iron Pipe .....	36.62	12.13
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	12.77	
			For Cement Mortar Lining (CML), Add	1.82	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	9.85	
			For Fusion Bonded Epoxy Lining (206N), Add	3.28	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.37	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.83	
			For Class 51, Add	1.80	
			For Class 52, Add	4.02	
			For Class 53, Add	10.46	
			For Class 54, Add	14.90	
			For Class 55, Add	17.17	
			For Class 56, Add	19.41	
33 14 13	13-0006	LF	6", Class 50, Mechanical Joint Ductile Iron Pipe .....	39.04	12.73
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.86	
			For Cement Mortar Lining (CML), Add	1.98	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	10.69	
			For Fusion Bonded Epoxy Lining (206N), Add	3.56	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.49	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.95	
			For Class 51, Add	1.95	
			For Class 52, Add	4.34	
			For Class 53, Add	11.33	
			For Class 54, Add	16.14	
			For Class 55, Add	18.60	
			For Class 56, Add	21.02	
33 14 13	13-0007	LF	8", Class 50, Mechanical Joint Ductile Iron Pipe .....	45.37	13.23
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	17.73	
			For Cement Mortar Lining (CML), Add	2.53	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	13.68	
			For Fusion Bonded Epoxy Lining (206N), Add	4.56	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.90	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-2.27	
			For Class 51, Add	2.44	
			For Class 52, Add	5.44	
			For Class 53, Add	14.33	
			For Class 54, Add	20.41	
			For Class 55, Add	23.50	
			For Class 56, Add	26.54	
33 14 13	13-0008	LF	10", Class 50, Mechanical Joint Ductile Iron Pipe .....	61.37	18.76
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	19.77	
			For Cement Mortar Lining (CML), Add	3.30	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	16.48	
			For Fusion Bonded Epoxy Lining (206N), Add	5.93	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.47	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-3.07	
			For Class 51, Add	3.20	
			For Class 52, Add	7.14	
			For Class 53, Add	18.72	
			For Class 54, Add	26.67	
			For Class 55, Add	30.72	
			For Class 56, Add	34.70	
33 14 13	13-0009	LF	12", Class 50, Mechanical Joint Ductile Iron Pipe .....	73.67	20.84
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	21.05	
			For Cement Mortar Lining (CML), Add	4.21	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	16.84	
			For Fusion Bonded Epoxy Lining (206N), Add	7.58	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.16	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-3.68	
			For Class 51, Add	4.03	
			For Class 52, Add	9.00	
			For Class 53, Add	23.74	
			For Class 54, Add	33.84	
			For Class 55, Add	38.95	
			For Class 56, Add	43.97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0010 LF 14", Class 50, Mechanical Joint Ductile Iron Pipe.....	87.71	23.39
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	22.96	
For Cement Mortar Lining (CML), Add	5.22	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	17.74	
For Fusion Bonded Epoxy Lining (206N), Add	9.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.91	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.39	
For Class 51, Add	4.95	
For Class 52, Add	11.07	
For Class 53, Add	29.30	
For Class 54, Add	41.77	
For Class 55, Add	48.07	
For Class 56, Add	54.25	
33 14 13 13-0011 LF 16", Class 50, Mechanical Joint Ductile Iron Pipe.....	99.11	26.81
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	23.99	
For Cement Mortar Lining (CML), Add	5.85	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	18.14	
For Fusion Bonded Epoxy Lining (206N), Add	10.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.39	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.96	
For Class 51, Add	5.56	
For Class 52, Add	12.43	
For Class 53, Add	32.88	
For Class 54, Add	46.87	
For Class 55, Add	53.94	
For Class 56, Add	60.88	
33 14 13 13-0012 LF 18", Class 50, Mechanical Joint Ductile Iron Pipe.....	122.41	31.26
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	30.77	
For Cement Mortar Lining (CML), Add	7.50	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	23.26	
For Fusion Bonded Epoxy Lining (206N), Add	13.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.63	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.12	
For Class 51, Add	7.07	
For Class 52, Add	15.82	
For Class 53, Add	41.99	
For Class 54, Add	59.88	
For Class 55, Add	68.88	
For Class 56, Add	77.73	
33 14 13 13-0013 LF 20", Class 50, Mechanical Joint Ductile Iron Pipe.....	139.47	37.52
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	31.40	
For Cement Mortar Lining (CML), Add	8.26	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	23.14	
For Fusion Bonded Epoxy Lining (206N), Add	14.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.20	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.97	
For Class 51, Add	7.84	
For Class 52, Add	17.54	
For Class 53, Add	46.42	
For Class 54, Add	66.18	
For Class 55, Add	76.15	
For Class 56, Add	85.95	
33 14 13 13-0014 LF 24", Class 50, Mechanical Joint Ductile Iron Pipe.....	181.96	46.89
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	34.38	
For Cement Mortar Lining (CML), Add	11.09	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	23.29	
For Fusion Bonded Epoxy Lining (206N), Add	19.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.32	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-9.10	
For Class 51, Add	10.46	
For Class 52, Add	23.41	
For Class 53, Add	62.10	
For Class 54, Add	88.55	
For Class 55, Add	101.88	
For Class 56, Add	114.96	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0015	LF		30", Class 50, Mechanical Joint Ductile Iron Pipe .....	232.18	50.49
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	48.48	
			For Cement Mortar Lining (CML), Add	15.64	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	28.15	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.73	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-11.61	
			For Class 51, Add	14.44	
			For Class 52, Add	32.41	
			For Class 53, Add	86.66	
			For Class 54, Add	123.65	
			For Class 55, Add	142.13	
			For Class 56, Add	160.28	
33 14 13 13-0016	LF		36", Class 50, Mechanical Joint Ductile Iron Pipe .....	276.09	53.62
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	60.63	
			For Cement Mortar Lining (CML), Add	19.56	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	35.20	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.67	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-13.80	
			For Class 51, Add	17.88	
			For Class 52, Add	40.17	
			For Class 53, Add	107.83	
			For Class 54, Add	153.91	
			For Class 55, Add	176.84	
			For Class 56, Add	199.36	
33 14 13 13-0017	LF		42", Class 50, Mechanical Joint Ductile Iron Pipe .....	337.19	56.74
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	78.10	
			For Cement Mortar Lining (CML), Add	25.19	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	45.35	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.90	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-16.86	
			For Class 51, Add	22.81	
			For Class 52, Add	51.28	
			For Class 53, Add	138.21	
			For Class 54, Add	197.35	
			For Class 55, Add	226.66	
			For Class 56, Add	255.44	
33 14 13 13-0018	LF		48", Class 50, Mechanical Joint Ductile Iron Pipe .....	411.12	59.96
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	99.55	
			For Cement Mortar Lining (CML), Add	32.11	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	57.80	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.08	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-20.56	
			For Class 51, Add	28.84	
			For Class 52, Add	64.90	
			For Class 53, Add	175.46	
			For Class 54, Add	250.61	
			For Class 55, Add	287.73	
			For Class 56, Add	324.18	

**33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow (33 14 13 13-0002)**

33 14 13 13-0020	EA		3" Mechanical Joint Ductile Iron 90 Degree Elbow .....	133.19	35.97
			For Cement Mortar Lining (CML), Add	7.87	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	14.16	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.90	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0021	EA		4" Mechanical Joint Ductile Iron 90 Degree Elbow .....	150.75	42.99
			For Cement Mortar Lining (CML), Add	8.56	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	15.41	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.42	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022	EA		6" Mechanical Joint Ductile Iron 90 Degree Elbow .....	236.19	63.53
			For Cement Mortar Lining (CML), Add	14.00	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	25.20	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.50	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023	EA		8" Mechanical Joint Ductile Iron 90 Degree Elbow .....	317.85	75.35
			For Cement Mortar Lining (CML), Add	20.36	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	36.65	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.27	
			Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0024	EA		10" Mechanical Joint Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	449.93 32.40 58.31 24.30	83.17
33 14 13 13-0025	EA		12" Mechanical Joint Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	583.94 43.62 78.51 32.71	97.57
33 14 13 13-0026	EA		14" Mechanical Joint Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	895.80 73.00 131.41 54.75	109.41
33 14 13 13-0027	EA		16" Mechanical Joint Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,180.96 99.15 178.47 74.36	125.04
33 14 13 13-0028	EA		18" Mechanical Joint Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,459.17 119.40 214.92 89.55	175.06
33 14 13 13-0029	EA		20" Mechanical Joint Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,996.39 166.49 299.68 124.87	218.82
33 14 13 13-0030	EA		24" Mechanical Joint Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,926.70 248.52 447.33 186.39	291.38
33 14 13 13-0031	EA		30" Mechanical Joint Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,461.67 398.80 717.85 299.10	312.60
33 14 13 13-0032	EA		36" Mechanical Joint Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,726.52 623.49 1,122.27 467.61	324.53
33 14 13 13-0033	EA		42" Mechanical Joint Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,259.83 1,069.15 1,924.46 801.86	375.12
33 14 13 13-0034	EA		48" Mechanical Joint Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,860.70 1,425.61 2,566.09 1,069.20	399.09
33 14 13 13-0035			<b>Mechanical Joint Ductile Iron 45 Degree Elbow</b> (33 14 13 13-0002)		
33 14 13 13-0036	EA		3" Mechanical Joint Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	125.09 7.06 12.70 5.29	35.97

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0037	EA	4" Mechanical Joint Ductile Iron 45 Degree Elbow.....	135.70	42.99
			For Cement Mortar Lining (CML), Add	7.06	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	12.70	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.29	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0038	EA	6" Mechanical Joint Ductile Iron 45 Degree Elbow.....	209.58	63.53
			For Cement Mortar Lining (CML), Add	11.34	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	20.41	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.50	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0039	EA	8" Mechanical Joint Ductile Iron 45 Degree Elbow.....	279.68	75.35
			For Cement Mortar Lining (CML), Add	16.55	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	29.78	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.41	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0040	EA	10" Mechanical Joint Ductile Iron 45 Degree Elbow.....	367.78	83.17
			For Cement Mortar Lining (CML), Add	24.18	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	43.52	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.14	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0041	EA	12" Mechanical Joint Ductile Iron 45 Degree Elbow.....	508.74	97.57
			For Cement Mortar Lining (CML), Add	36.10	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	64.97	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.07	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0042	EA	14" Mechanical Joint Ductile Iron 45 Degree Elbow.....	733.83	109.41
			For Cement Mortar Lining (CML), Add	56.81	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	102.25	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.61	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0043	EA	16" Mechanical Joint Ductile Iron 45 Degree Elbow.....	897.51	125.04
			For Cement Mortar Lining (CML), Add	70.81	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	127.45	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	53.10	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0044	EA	18" Mechanical Joint Ductile Iron 45 Degree Elbow.....	1,281.00	175.06
			For Cement Mortar Lining (CML), Add	101.58	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	182.85	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	76.19	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0045	EA	20" Mechanical Joint Ductile Iron 45 Degree Elbow.....	1,416.75	218.82
			For Cement Mortar Lining (CML), Add	108.52	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	195.34	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.39	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0046	EA	24" Mechanical Joint Ductile Iron 45 Degree Elbow.....	2,090.22	291.38
			For Cement Mortar Lining (CML), Add	164.87	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	296.76	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	123.65	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0047	EA	30" Mechanical Joint Ductile Iron 45 Degree Elbow.....	3,823.03	312.60
			For Cement Mortar Lining (CML), Add	334.94	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	602.89	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	251.21	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0048	EA	36" Mechanical Joint Ductile Iron 45 Degree Elbow.....	5,389.07	324.53
			For Cement Mortar Lining (CML), Add	489.74	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	881.53	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	367.31	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0049	EA	42" Mechanical Joint Ductile Iron 45 Degree Elbow.....	8,093.23	375.12
			For Cement Mortar Lining (CML), Add	752.49	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,354.48	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	564.37	
			Note: ANSI/AWWA C151/A21.51		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0050	EA		48" Mechanical Joint Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,465.41 986.08 1,774.94 739.56	399.09
<b>33 14 13 13-0051</b>			<b>Mechanical Joint Ductile Iron 22-1/2 Degree Elbow</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0052	EA		3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	110.05 5.55 10.00 4.16	35.97
33 14 13 13-0053	EA		4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	132.23 6.71 12.08 5.03	42.99
33 14 13 13-0054	EA		6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	200.33 10.41 18.74 7.81	63.53
33 14 13 13-0055	EA		8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	276.20 16.20 29.15 12.15	75.35
33 14 13 13-0056	EA		10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	366.63 24.07 43.32 18.05	83.17
33 14 13 13-0057	EA		12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	463.62 31.59 56.85 23.69	97.57
33 14 13 13-0058	EA		14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	740.77 57.50 103.50 43.13	109.41
33 14 13 13-0059	EA		16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	868.59 67.91 122.25 50.94	125.04
33 14 13 13-0060	EA		18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,099.36 83.42 150.15 62.56	175.06
33 14 13 13-0061	EA		20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,465.34 113.38 204.09 85.04	218.82
33 14 13 13-0062	EA		24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,962.95 152.14 273.85 114.11	291.38

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0063	EA		30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,280.41 280.68 505.22 210.51	312.60
33 14 13 13-0064	EA		36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,605.81 411.42 740.55 308.56	324.53
33 14 13 13-0065	EA		42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,780.08 621.17 1,118.11 465.88	375.12
33 14 13 13-0066	EA		48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,692.95 808.83 1,455.90 606.62	399.09
<b>33 14 13 13-0067</b>			<b>Mechanical Joint Ductile Iron 11-1/4 Degree Elbow</b> (33 14 13 13-0002)		
33 14 13 13-0068	EA		3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	110.05 5.55 10.00 4.16	35.97
33 14 13 13-0069	EA		4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	128.76 6.36 11.45 4.77	42.99
33 14 13 13-0070	EA		6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	203.80 10.76 19.37 8.07	63.53
33 14 13 13-0071	EA		8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	261.16 14.69 26.45 11.02	75.35
33 14 13 13-0072	EA		10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	364.31 23.83 42.90 17.87	83.17
33 14 13 13-0073	EA		12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	443.95 29.62 53.31 22.21	97.57
33 14 13 13-0074	EA		14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	821.76 65.60 118.08 49.20	109.41
33 14 13 13-0075	EA		16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	907.92 71.85 129.32 53.89	125.04

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0076	EA	18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,319.18 105.40 189.72 79.05	175.06
33 14 13	13-0077	EA	20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,399.39 106.79 192.22 80.09	218.82
33 14 13	13-0078	EA	24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,865.77 142.42 256.36 106.82	291.38
33 14 13	13-0079	EA	30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,331.32 285.77 514.38 214.33	312.60
33 14 13	13-0080	EA	36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,397.56 390.59 703.06 292.94	324.53
33 14 13	13-0081	EA	42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,496.62 592.83 1,067.09 444.62	375.12
33 14 13	13-0082	EA	48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,637.41 803.28 1,445.90 602.46	399.09
33 14 13	13-0083		<b>Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow</b> <small>(33 14 13 13-0002)</small>		
33 14 13	13-0084	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	136.66 8.21 14.79 6.16	35.97
33 14 13	13-0085	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	166.94 10.18 18.33 7.64	42.99
33 14 13	13-0086	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	265.12 16.89 30.41 12.67	63.53
33 14 13	13-0087	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	356.03 24.18 43.52 18.14	75.35
33 14 13	13-0088	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	505.46 37.95 68.31 28.46	83.17

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0089	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	644.11	97.57
			For Cement Mortar Lining (CML), Add	49.63	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	89.34	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.23	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0090	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,089.01	109.41
			For Cement Mortar Lining (CML), Add	92.33	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	166.19	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	69.24	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0091	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,651.85	125.04
			For Cement Mortar Lining (CML), Add	146.24	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	263.23	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	109.68	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0092	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,926.58	175.06
			For Cement Mortar Lining (CML), Add	166.14	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	299.05	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	124.60	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0093	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,611.89	218.82
			For Cement Mortar Lining (CML), Add	228.04	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	410.47	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	171.03	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0094	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,181.23	291.38
			For Cement Mortar Lining (CML), Add	273.97	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	493.14	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	205.48	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0095	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	5,868.53	312.60
			For Cement Mortar Lining (CML), Add	539.49	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	971.08	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	404.62	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0096	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	10,433.42	324.53
			For Cement Mortar Lining (CML), Add	994.18	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,789.52	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	745.63	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0097		<b>Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow</b> (33 14 13 13-0097)		
33 14 13	13-0098	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	126.25	35.97
			For Cement Mortar Lining (CML), Add	7.17	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	12.91	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.38	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0099	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	139.18	42.99
			For Cement Mortar Lining (CML), Add	7.41	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	13.33	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.55	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0100	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	222.31	63.53
			For Cement Mortar Lining (CML), Add	12.61	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	22.70	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.46	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0101	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	316.70	75.35
			For Cement Mortar Lining (CML), Add	20.25	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	36.44	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.19	
			Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0102	EA		10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	426.79 30.08 54.15 22.56	83.17
33 14 13 13-0103	EA		12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	575.85 42.81 77.05 32.11	97.57
33 14 13 13-0104	EA		14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	967.53 80.18 144.32 60.13	109.41
33 14 13 13-0105	EA		16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,460.95 127.15 228.87 95.36	125.04
33 14 13 13-0106	EA		18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,733.37 146.82 264.27 110.11	175.06
33 14 13 13-0107	EA		20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,248.60 191.71 345.07 143.78	218.82
33 14 13 13-0108	EA		24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,830.67 238.91 430.04 179.18	291.38
33 14 13 13-0109	EA		30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,166.26 469.26 844.67 351.95	312.60
33 14 13 13-0110	EA		36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,141.09 864.94 1,556.90 648.71	324.53
<b>33 14 13 13-0111</b>			<b>Mechanical Joint Ductile Iron Tee</b> (33 14 13 13-0002)		
33 14 13 13-0112	EA		3" x 3" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	215.98 13.42 24.16 10.07	53.97
33 14 13 13-0113	EA		4" x 3" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	225.60 13.42 24.16 10.07	60.32
33 14 13 13-0114	EA		4" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	208.43 11.22 20.20 8.42	63.53

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0115	EA	6" x 3" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	276.29 15.50 27.91 11.63	80.03
33 14 13	13-0116	EA	6" x 4" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	314.83 18.86 33.94 14.14	83.34
33 14 13	13-0117	EA	6" x 6" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	343.76 20.25 36.44 15.19	93.29
33 14 13	13-0118	EA	8" x 4" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	364.99 21.87 39.36 16.40	96.58
33 14 13	13-0119	EA	8" x 6" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	413.57 25.22 45.40 18.92	106.49
33 14 13	13-0120	EA	8" x 8" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	475.66 30.43 54.77 22.82	113.14
33 14 13	13-0121	EA	10" x 4" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	492.13 33.55 60.39 25.16	103.36
33 14 13	13-0122	EA	10" x 6" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	495.94 32.51 58.52 24.38	112.74
33 14 13	13-0123	EA	10" x 8" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	560.94 38.06 68.52 28.55	118.99
33 14 13	13-0124	EA	10" x 10" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	624.47 43.50 78.30 32.63	125.04
33 14 13	13-0125	EA	12" x 4" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	586.28 41.07 73.93 30.80	115.87
33 14 13	13-0126	EA	12" x 6" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	664.10 47.44 85.38 35.58	125.24
33 14 13	13-0127	EA	12" x 8" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	808.96 60.97 109.75 45.73	131.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0128	EA	12" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	865.54 65.72 118.29 49.29	137.54
33 14 13	13-0129	EA	12" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	825.27 60.74 109.33 45.56	143.79
33 14 13	13-0130	EA	14" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	878.27 65.72 118.29 49.29	145.94
33 14 13	13-0131	EA	14" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	974.53 74.39 133.91 55.79	152.20
33 14 13	13-0132	EA	14" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,233.57 99.38 178.89 74.54	158.23
33 14 13	13-0133	EA	14" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,317.09 106.79 192.22 80.09	164.48
33 14 13	13-0134	EA	14" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,276.08 101.12 182.01 75.84	174.87
33 14 13	13-0135	EA	16" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,113.19 84.81 152.65 63.60	175.05
33 14 13	13-0136	EA	16" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,195.65 92.09 165.77 69.07	181.31
33 14 13	13-0137	EA	16" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,385.29 110.14 198.26 82.61	187.34
33 14 13	13-0138	EA	16" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,512.78 121.94 219.50 91.46	193.59
33 14 13	13-0139	EA	16" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,811.90 150.29 270.52 112.72	203.94
33 14 13	13-0140	EA	16" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,720.56 138.95 250.11 104.21	218.54

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0141	EA	18" x 6" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,540.36 120.09 216.17 90.07	224.03
33 14 13	13-0142	EA	18" x 8" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,649.34 130.04 234.08 97.53	230.28
33 14 13	13-0143	EA	18" x 10" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,781.12 142.31 256.15 106.73	236.32
33 14 13	13-0144	EA	18" x 12" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,912.08 154.45 278.02 115.84	242.58
33 14 13	13-0145	EA	18" x 14" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,968.26 158.50 285.31 118.88	252.92
33 14 13	13-0146	EA	18" x 16" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,100.22 169.50 305.09 127.12	267.48
33 14 13	13-0147	EA	18" x 18" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,453.18 201.08 361.94 150.81	291.95
33 14 13	13-0148	EA	20" x 6" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,838.08 135.13 243.24 101.35	321.26
33 14 13	13-0149	EA	20" x 8" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,877.65 138.14 248.65 103.61	327.52
33 14 13	13-0150	EA	20" x 10" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,038.36 153.30 275.93 114.97	333.56
33 14 13	13-0151	EA	20" x 12" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,198.24 168.34 303.01 126.25	339.81
33 14 13	13-0152	EA	20" x 14" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,226.64 169.61 305.30 127.21	350.15
33 14 13	13-0153	EA	20" x 16" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,262.58 171.00 307.80 128.25	364.71



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0154	EA	20" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,822.63 223.29 401.93 167.47	389.19
33 14 13	13-0155	EA	20" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,516.80 185.35 333.62 139.01	437.83
33 14 13	13-0156	EA	24" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,259.14 162.55 292.60 121.91	418.19
33 14 13	13-0157	EA	24" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,289.45 164.64 296.34 123.48	425.04
33 14 13	13-0158	EA	24" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,511.48 185.92 334.66 139.44	430.49
33 14 13	13-0159	EA	24" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,573.02 191.13 344.03 143.35	436.74
33 14 13	13-0160	EA	24" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,882.56 220.52 396.93 165.39	447.08
33 14 13	13-0161	EA	24" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,107.09 240.76 433.37 180.57	461.63
33 14 13	13-0162	EA	24" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,519.05 278.25 500.85 208.69	486.13
33 14 13	13-0163	EA	24" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,899.30 308.91 556.03 231.68	534.74
33 14 13	13-0164	EA	24" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,634.90 275.13 495.23 206.34	583.23
33 14 13	13-0165	EA	30" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,851.58 310.41 558.74 232.81	493.33
33 14 13	13-0166	EA	30" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,051.64 329.50 593.10 247.13	499.37

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0167	EA	30" x 12" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,252.00 348.59 627.47 261.44	505.61
33 14 13	13-0168	EA	30" x 14" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,538.41 375.67 676.20 281.75	515.97
33 14 13	13-0169	EA	30" x 16" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,849.70 404.59 728.26 303.44	686.48
33 14 13	13-0170	EA	30" x 18" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,983.99 414.31 745.75 310.73	555.01
33 14 13	13-0171	EA	30" x 20" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,193.02 427.84 770.12 320.88	603.63
33 14 13	13-0172	EA	30" x 24" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,461.98 447.40 805.31 335.55	652.09
33 14 13	13-0173	EA	30" x 30" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,807.64 576.75 1,038.14 432.56	686.48
33 14 13	13-0174	EA	30" x 6" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,017.96 328.00 590.40 246.00	487.06
33 14 13	13-0175	EA	36" x 8" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,691.11 386.19 695.15 289.64	547.26
33 14 13	13-0176	EA	36" x 10" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,202.39 436.41 785.53 327.30	553.30
33 14 13	13-0177	EA	36" x 12" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,480.28 463.25 833.84 347.44	559.55
33 14 13	13-0178	EA	36" x 14" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,682.22 481.87 867.37 361.41	569.89
33 14 13	13-0179	EA	36" x 16" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,888.24 500.27 900.49 375.20	584.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0180	EA	36" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,281.68 535.90 964.63 401.93	608.94
33 14 13	13-0181	EA	36" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,712.84 571.65 1,028.98 428.74	657.55
33 14 13	13-0182	EA	36" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,420.28 635.06 1,143.10 476.29	706.02
33 14 13	13-0183	EA	36" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,190.95 706.90 1,272.43 530.18	767.48
33 14 13	13-0184	EA	36" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,533.38 837.06 1,506.71 627.80	767.48
33 14 13	13-0185	EA	42" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,630.47 973.70 1,752.66 730.27	589.70
33 14 13	13-0186	EA	42" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,842.82 993.37 1,788.06 745.02	600.05
33 14 13	13-0187	EA	42" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,034.57 1,110.34 1,998.60 832.75	614.60
33 14 13	13-0188	EA	42" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,273.36 1,030.50 1,854.91 772.88	639.09
33 14 13	13-0189	EA	42" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,347.02 1,030.50 1,854.91 772.88	687.71
33 14 13	13-0190	EA	42" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,609.04 1,049.36 1,888.85 787.02	736.17
33 14 13	13-0191	EA	42" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,039.94 1,287.23 2,317.02 965.43	770.62
33 14 13	13-0192	EA	42" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,621.09 1,341.26 2,414.28 1,005.95	797.58

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0193	EA	42" x 42" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,457.27 1,422.60 2,560.68 1,066.95	812.66
33 14 13	13-0194	EA	48" x 12" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,506.96 1,154.07 2,077.32 865.55	637.73
33 14 13	13-0195	EA	48" x 14" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,730.88 1,174.89 2,114.81 881.17	648.08
33 14 13	13-0196	EA	48" x 16" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,047.96 1,204.40 2,167.91 903.30	662.64
33 14 13	13-0197	EA	48" x 18" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,378.93 1,233.78 2,220.81 925.34	687.13
33 14 13	13-0198	EA	48" x 20" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,747.62 1,263.29 2,273.91 947.46	735.75
33 14 13	13-0199	EA	48" x 24" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,860.38 1,267.22 2,280.99 950.41	784.21
33 14 13	13-0200	EA	48" x 30" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,826.96 1,558.66 2,805.58 1,168.99	818.65
33 14 13	13-0201	EA	48" x 36" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,158.59 1,787.74 3,217.92 1,340.80	845.62
33 14 13	13-0202	EA	48" x 42" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,088.48 1,878.44 3,381.19 1,408.83	860.69
33 14 13	13-0203	EA	48" x 48" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,426.85 1,908.64 3,435.55 1,431.48	884.75
33 14 13	13-0204		<b>Mechanical Joint Ductile Iron Wye (Laterals)</b> (33 14 13 13-0002)		
33 14 13	13-0205	EA	4" x 3" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	189.73 9.83 17.70 7.38	60.32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0206	EA	4" x 4" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	280.16 18.40 33.11 13.80	63.49
33 14 13	13-0207	EA	6" x 3" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	276.29 15.50 27.91 11.63	80.03
33 14 13	13-0208	EA	6" x 4" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	315.99 18.97 34.15 14.23	83.34
33 14 13	13-0209	EA	6" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	418.96 27.77 49.98 20.83	93.25
33 14 13	13-0210	EA	8" x 4" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	529.27 38.30 68.93 28.72	96.58
33 14 13	13-0211	EA	8" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	481.83 32.05 57.69 24.04	106.49
33 14 13	13-0212	EA	8" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	576.32 40.49 72.89 30.37	113.10
33 14 13	13-0213	EA	10" x 4" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	801.04 64.44 116.00 48.33	103.36
33 14 13	13-0214	EA	10" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	848.81 67.80 122.04 50.85	112.74
33 14 13	13-0215	EA	10" x 8" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	971.66 79.14 142.44 59.35	118.99
33 14 13	13-0216	EA	10" x 10" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,090.72 90.13 162.23 67.60	125.04
33 14 13	13-0217	EA	12" x 4" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,016.67 84.11 151.40 63.08	115.87
33 14 13	13-0218	EA	12" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,147.71 95.80 172.43 71.85	125.24

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0219 EA 12" x 8" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,375.87 117.66 211.79 88.25	131.50
33 14 13 13-0220 EA 12" x 10" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,416.26 120.79 217.42 90.59	137.54
33 14 13 13-0221 EA 12" x 12" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,290.37 107.25 193.05 80.44	143.78
33 14 13 13-0222 EA 14" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,512.29 129.12 232.41 96.84	145.94
33 14 13 13-0223 EA 14" x 8" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,725.39 149.48 269.06 112.11	152.20
33 14 13 13-0224 EA 14" x 10" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,237.81 199.81 359.65 149.86	158.23
33 14 13 13-0225 EA 14" x 12" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,395.38 214.62 386.31 160.96	164.48
33 14 13 13-0226 EA 14" x 14" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,346.27 208.14 374.65 156.10	174.82
33 14 13 13-0227 EA 16" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,563.33 129.81 233.66 97.36	175.05
33 14 13 13-0228 EA 16" x 8" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,716.28 144.16 259.48 108.12	181.31
33 14 13 13-0229 EA 16" x 10" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,013.52 172.97 311.34 129.72	187.34
33 14 13 13-0230 EA 16" x 12" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,246.29 195.30 351.53 146.47	193.59
33 14 13 13-0231 EA 16" x 14" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,796.47 248.75 447.74 186.56	203.94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0232	EA	16" x 16" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,705.15 237.41 427.33 178.06	218.49
33 14 13	13-0233	EA	18" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,441.64 210.22 378.40 157.67	224.03
33 14 13	13-0234	EA	18" x 8" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,624.66 227.57 409.63 170.68	230.28
33 14 13	13-0235	EA	18" x 10" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,801.56 244.35 439.83 183.26	236.32
33 14 13	13-0236	EA	18" x 12" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,993.84 262.63 472.73 196.97	242.58
33 14 13	13-0237	EA	18" x 14" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,030.34 264.71 476.48 198.53	252.92
33 14 13	13-0238	EA	18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,066.28 266.10 478.98 199.58	267.48
33 14 13	13-0239	EA	18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,823.40 238.10 428.58 178.58	291.96
33 14 13	13-0240	EA	20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,918.68 243.19 437.75 182.39	321.26
33 14 13	13-0241	EA	20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,982.55 248.63 447.54 186.47	327.52
33 14 13	13-0242	EA	20" x 10" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,264.74 275.94 496.68 206.95	333.56
33 14 13	13-0243	EA	20" x 12" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,544.94 303.01 545.41 227.26	339.81
33 14 13	13-0244	EA	20" x 14" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,583.76 305.32 549.58 228.99	350.15

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0245	EA	20" x 16" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,630.10 307.75 553.95 230.81	364.71
33 14 13	13-0246	EA	20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,192.47 360.28 648.50 270.21	389.19
33 14 13	13-0247	EA	20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,000.02 333.67 600.60 250.25	437.81
33 14 13	13-0248	EA	24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,559.56 292.60 526.67 219.45	418.19
33 14 13	13-0249	EA	24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,606.07 296.30 533.33 222.22	424.45
33 14 13	13-0250	EA	24" x 10" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,998.18 334.59 602.27 250.94	430.49
33 14 13	13-0251	EA	24" x 12" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,178.88 351.72 633.09 263.79	436.74
33 14 13	13-0252	EA	24" x 14" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,800.80 412.34 742.21 309.26	447.08
33 14 13	13-0253	EA	24" x 16" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,319.20 461.97 831.55 346.48	461.63
33 14 13	13-0254	EA	24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,939.41 520.29 936.51 390.21	486.13
33 14 13	13-0255	EA	24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,525.60 571.54 1,028.77 428.65	534.74
33 14 13	13-0256	EA	24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,835.44 495.18 891.32 371.38	583.20
33 14 13	13-0257	EA	30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,192.66 645.47 1,161.84 484.10	487.06



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0258	EA	30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,042.09 729.46 1,313.03 547.10	493.33
33 14 13	13-0259	EA	30" x 10" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,500.15 774.35 1,393.84 580.76	499.37
33 14 13	13-0260	EA	30" x 12" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,958.51 819.24 1,474.64 614.43	505.61
33 14 13	13-0261	EA	30" x 14" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,609.36 882.76 1,588.97 662.07	515.97
33 14 13	13-0262	EA	30" x 16" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,311.71 950.79 1,711.42 713.09	530.52
33 14 13	13-0263	EA	30" x 18" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,576.74 973.58 1,752.45 730.19	555.01
33 14 13	13-0264	EA	30" x 20" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,968.56 1,005.40 1,809.72 754.05	603.63
33 14 13	13-0265	EA	30" x 24" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,501.32 1,051.33 1,892.39 788.50	652.09
33 14 13	13-0266	EA	30" x 30" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,457.07 1,141.69 2,055.04 856.27	686.53
33 14 13	13-0267	EA	36" x 12" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,587.10 1,273.93 2,293.07 955.45	559.55
33 14 13	13-0268	EA	36" x 14" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,115.30 1,325.18 2,385.33 993.89	569.89
33 14 13	13-0269	EA	36" x 16" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,642.95 1,375.74 2,476.33 1,031.81	584.45
33 14 13	13-0270	EA	36" x 18" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,660.00 1,473.74 2,652.72 1,105.30	608.94

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0271	EA	36" x 20" Mechanical Joint Ductile Iron Wye (Lateral).....	16,717.07	657.55
			For Cement Mortar Lining (CML), Add	1,572.08	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	2,829.74	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,179.06	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0272	EA	36" x 24" Mechanical Joint Ductile Iron Wye (Lateral).....	18,534.04	706.02
			For Cement Mortar Lining (CML), Add	1,746.43	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	3,143.58	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,309.82	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0273	EA	36" x 30" Mechanical Joint Ductile Iron Wye (Lateral).....	20,741.65	740.46
			For Cement Mortar Lining (CML), Add	1,961.97	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	3,531.55	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,471.48	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0274	EA	36" x 36" Mechanical Joint Ductile Iron Wye (Lateral).....	24,705.75	767.43
			For Cement Mortar Lining (CML), Add	2,354.30	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	4,237.74	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,765.72	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0275	EA	42" x 20" Mechanical Joint Ductile Iron Wye (Lateral).....	21,744.62	687.71
			For Cement Mortar Lining (CML), Add	2,070.26	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	3,726.48	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,552.70	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0276	EA	42" x 24" Mechanical Joint Ductile Iron Wye (Lateral).....	22,300.50	736.17
			For Cement Mortar Lining (CML), Add	2,118.51	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	3,813.32	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,588.88	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0277	EA	42" x 30" Mechanical Joint Ductile Iron Wye (Lateral).....	23,815.09	770.62
			For Cement Mortar Lining (CML), Add	2,264.75	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	4,076.55	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,698.56	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0278	EA	42" x 36" Mechanical Joint Ductile Iron Wye (Lateral).....	27,199.56	797.58
			For Cement Mortar Lining (CML), Add	2,599.11	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	4,678.40	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,949.33	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0279	EA	42" x 42" Mechanical Joint Ductile Iron Wye (Lateral).....	32,028.41	812.66
			For Cement Mortar Lining (CML), Add	3,079.71	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	5,543.48	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,309.78	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0280	EA	48" x 20" Mechanical Joint Ductile Iron Wye (Lateral).....	21,474.95	735.75
			For Cement Mortar Lining (CML), Add	2,036.02	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	3,664.83	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,527.01	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0281	EA	48" x 24" Mechanical Joint Ductile Iron Wye (Lateral).....	24,301.95	784.21
			For Cement Mortar Lining (CML), Add	2,311.38	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	4,160.48	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,733.53	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0282	EA	48" x 30" Mechanical Joint Ductile Iron Wye (Lateral).....	25,894.05	818.65
			For Cement Mortar Lining (CML), Add	2,465.37	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	4,437.66	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,849.02	
			Note: ANSI/AWWA C151/A21.51		
33 14 13	13-0283	EA	48" x 36" Mechanical Joint Ductile Iron Wye (Lateral).....	29,480.98	845.62
			For Cement Mortar Lining (CML), Add	2,819.97	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	5,075.95	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,114.98	
			Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0284	EA		48" x 42" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	38,447.12 3,714.30 6,685.75 2,785.73	860.69
33 14 13 13-0285	EA		48" x 48" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	42,185.80 4,084.53 7,352.16 3,063.40	884.71
<b>33 14 13 13-0286 Mechanical Joint Ductile Iron Cross (33 14 13 13-0002)</b>					
33 14 13 13-0287	EA		3" x 3" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	258.28 14.93 26.87 11.19	71.96
33 14 13 13-0288	EA		4" x 3" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	309.55 19.09 34.36 14.32	78.30
33 14 13 13-0289	EA		4" x 4" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	362.06 24.18 43.52 18.14	79.36
33 14 13 13-0290	EA		6" x 3" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	433.32 28.46 51.23 21.35	98.10
33 14 13 13-0291	EA		6" x 4" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	424.12 26.38 47.48 19.78	105.82
33 14 13 13-0292	EA		6" x 6" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	496.60 29.62 53.31 22.21	132.27
33 14 13 13-0293	EA		8" x 4" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	438.02 26.26 47.27 19.70	115.76
33 14 13 13-0294	EA		8" x 6" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	522.05 30.66 55.19 22.99	142.21
33 14 13 13-0295	EA		8" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	553.31 32.28 58.10 24.21	152.12
33 14 13 13-0296	EA		10" x 4" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	525.62 34.25 61.64 25.68	120.89

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0297	EA	10" x 6" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	605.17 38.41 69.14 28.81	145.90
33 14 13	13-0298	EA	10" x 8" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	711.94 47.67 85.80 35.75	155.28
33 14 13	13-0299	EA	10" x 10" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	769.81 51.72 93.09 38.79	166.72
33 14 13	13-0300	EA	12 x 4" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	631.63 43.27 77.89 32.45	131.29
33 14 13	13-0301	EA	12" x 6" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	735.47 49.87 89.76 37.40	156.30
33 14 13	13-0302	EA	12" x 8" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,037.77 78.67 141.61 59.00	165.69
33 14 13	13-0303	EA	12" x 10" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,055.14 78.67 141.61 59.00	177.16
33 14 13	13-0304	EA	12" x 12" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,192.39 90.82 163.48 68.12	187.56
33 14 13	13-0305	EA	14" x 6" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,213.83 95.33 171.60 71.50	171.92
33 14 13	13-0306	EA	14" x 8" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,420.10 114.54 206.17 85.90	181.31
33 14 13	13-0307	EA	14" x 10" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,460.62 116.85 210.34 87.64	192.78
33 14 13	13-0308	EA	14" x 12" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,541.17 123.33 222.00 92.50	203.18
33 14 13	13-0309	EA	14" x 14" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,702.52 137.10 246.78 102.83	218.82

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0310	EA	16" x 6" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,386.96 109.33 196.80 82.00	193.79
33 14 13	13-0311	EA	16" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,571.24 126.34 227.41 94.76	203.18
33 14 13	13-0312	EA	16" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,869.28 154.41 277.93 115.80	214.64
33 14 13	13-0313	EA	16" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,077.59 173.66 312.59 130.25	225.06
33 14 13	13-0314	EA	16" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,496.94 213.23 383.81 159.92	240.67
33 14 13	13-0315	EA	16" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,915.33 251.75 453.16 188.82	262.59
33 14 13	13-0316	EA	18" x 6" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,257.33 191.01 343.83 143.26	229.16
33 14 13	13-0317	EA	18" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,384.95 202.35 364.23 151.76	238.55
33 14 13	13-0318	EA	18" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,497.19 211.84 381.31 158.88	250.00
33 14 13	13-0319	EA	18" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,702.69 230.81 415.47 173.11	260.41
33 14 13	13-0320	EA	18" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,141.71 272.35 490.23 204.26	276.03
33 14 13	13-0321	EA	18" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,346.08 289.47 521.05 217.10	297.89
33 14 13	13-0322	EA	18" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,513.04 300.81 541.46 225.61	333.25

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0323	EA	20" x 6" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,837.49 240.19 432.33 180.14	287.52
33 14 13	13-0324	EA	20" x 8" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,966.25 251.64 452.95 188.73	296.90
33 14 13	13-0325	EA	20" x 10" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,058.82 259.16 466.49 194.37	308.38
33 14 13	13-0326	EA	20" x 12" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,263.17 278.02 500.43 208.51	318.77
33 14 13	13-0327	EA	20" x 14" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,325.02 281.84 507.30 211.38	334.40
33 14 13	13-0328	EA	20" x 16" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,001.42 346.16 623.09 259.62	356.27
33 14 13	13-0329	EA	20" x 18" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,168.39 357.50 643.50 268.13	391.63
33 14 13	13-0330	EA	20" x 20" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,521.77 384.00 691.19 288.00	449.95
33 14 13	13-0331	EA	24" x 6" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,855.02 331.01 595.81 248.25	359.67
33 14 13	13-0332	EA	24" x 8" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,945.88 338.64 609.56 253.98	369.05
33 14 13	13-0333	EA	24" x 10" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,094.87 351.83 633.30 263.87	380.52
33 14 13	13-0334	EA	24" x 12" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,224.02 363.17 653.71 272.38	390.93
33 14 13	13-0335	EA	24" x 14" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,304.37 368.84 663.91 276.63	406.55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0336	EA	24" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,470.55 382.14 687.86 286.61	428.42
33 14 13	13-0337	EA	24" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,867.37 516.47 929.64 387.35	463.77
33 14 13	13-0338	EA	24" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,201.07 540.99 973.79 405.75	522.15
33 14 13	13-0339	EA	24" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,840.27 593.98 1,069.17 445.49	594.32
33 14 13	13-0340	EA	30" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,285.71 656.11 1,181.00 492.08	478.23
33 14 13	13-0341	EA	30" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,431.51 668.95 1,204.12 501.72	489.70
33 14 13	13-0342	EA	30" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,574.55 681.68 1,227.03 511.26	500.10
33 14 13	13-0343	EA	30" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,745.14 696.37 1,253.47 522.28	515.74
33 14 13	13-0344	EA	30" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,942.56 712.80 1,283.05 534.60	537.60
33 14 13	13-0345	EA	30" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,178.95 731.08 1,315.95 548.31	572.96
33 14 13	13-0346	EA	30" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,486.05 752.95 1,355.31 564.71	631.33
33 14 13	13-0347	EA	30" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,864.15 979.83 1,763.69 734.87	703.47
33 14 13	13-0348	EA	30" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,494.30 1,126.30 2,027.34 844.73	812.66

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0349	EA	36" x 8" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,107.20 932.16 1,677.89 699.12	518.48
33 14 13	13-0350	EA	36" x 10" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,251.83 944.89 1,700.80 708.67	529.94
33 14 13	13-0351	EA	36" x 12" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,376.37 955.77 1,720.38 716.82	540.35
33 14 13	13-0352	EA	36" x 14" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,527.29 968.49 1,743.28 726.37	555.97
33 14 13	13-0353	EA	36" x 16" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,706.20 983.07 1,769.52 737.30	577.84
33 14 13	13-0354	EA	36" x 18" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,922.91 999.38 1,798.89 749.54	613.19
33 14 13	13-0355	EA	36" x 20" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,211.50 1,019.40 1,834.91 764.55	671.57
33 14 13	13-0356	EA	36" x 24" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,702.61 1,057.58 1,903.64 793.18	743.72
33 14 13	13-0357	EA	36" x 30" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	15,702.20 1,440.99 2,593.79 1,080.75	852.89
33 14 13	13-0358	EA	36" x 36" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	17,234.83 1,588.16 2,858.69 1,191.12	893.18
33 14 13	13-0359	EA	42" x 12" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,512.27 1,265.83 2,278.49 949.37	563.62
33 14 13	13-0360	EA	42" x 14" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	15,254.88 1,437.73 2,587.91 1,078.29	579.25
33 14 13	13-0361	EA	42" x 16" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,829.39 1,291.86 2,325.35 968.90	601.11



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0362	EA	42" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,022.96 1,305.86 2,350.55 979.40	636.47
33 14 13	13-0363	EA	42" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,302.30 1,324.95 2,384.91 993.71	694.84
33 14 13	13-0364	EA	42" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,759.85 1,359.78 2,447.60 1,019.83	766.99
33 14 13	13-0365	EA	42" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,854.31 1,752.68 3,154.82 1,314.51	876.17
33 14 13	13-0366	EA	42" x 36" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,532.33 2,314.38 4,165.89 1,735.79	916.41
33 14 13	13-0367	EA	42" x 42" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	26,270.62 2,484.69 4,472.44 1,863.52	939.69
33 14 13	13-0368	EA	42" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,225.71 1,723.18 3,101.72 1,292.38	656.00
33 14 13	13-0369	EA	48" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,353.52 1,733.59 3,120.46 1,300.19	671.63
33 14 13	13-0370	EA	48" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,525.48 1,747.47 3,145.45 1,310.60	693.50
33 14 13	13-0371	EA	48" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,717.89 1,761.36 3,170.44 1,321.02	728.86
33 14 13	13-0372	EA	48" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,981.03 1,778.83 3,201.89 1,334.12	787.23
33 14 13	13-0373	EA	48" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,420.08 1,811.80 3,261.24 1,358.85	859.37
33 14 13	13-0374	EA	48" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,577.02 1,910.95 3,439.71 1,433.21	968.55

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0375	EA	48" x 36" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	25,140.89 2,361.24 4,250.23 1,770.93	1,008.80
33 14 13	13-0376	EA	48" x 42" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	32,218.56 3,065.48 5,517.87 2,299.11	1,032.07
33 14 13	13-0377	EA	48" x 48" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	34,323.05 3,261.93 5,871.48 2,446.45	1,124.41
<b>33 14 13</b>	<b>13-0378</b>		<b>Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0002)</b>		
33 14 13	13-0379	EA	4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	126.42 6.71 12.08 5.03	39.15
33 14 13	13-0380	EA	6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	148.40 7.41 13.33 5.55	49.08
33 14 13	13-0381	EA	6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	160.16 8.10 14.58 6.07	52.25
33 14 13	13-0382	EA	8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	200.35 11.11 19.99 8.33	58.87
33 14 13	13-0383	EA	8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	222.23 11.80 21.24 8.85	68.78
33 14 13	13-0384	EA	10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	238.09 14.46 26.03 10.85	61.69
33 14 13	13-0385	EA	10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	260.39 15.27 27.49 11.45	71.06
33 14 13	13-0386	EA	10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	284.91 16.78 30.20 12.58	77.31
33 14 13	13-0387	EA	12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	285.73 18.28 32.90 13.71	67.93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0388	EA	12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	318.45 20.13 36.24 15.10	77.31
33 14 13	13-0389	EA	12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	333.72 20.71 37.28 15.53	83.57
33 14 13	13-0390	EA	12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	364.86 22.91 41.23 17.18	89.62
33 14 13	13-0391	EA	14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	579.41 44.66 80.39 33.49	87.66
33 14 13	13-0392	EA	14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	565.75 42.35 76.22 31.76	93.93
33 14 13	13-0393	EA	14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	512.42 36.10 64.97 27.07	99.96
33 14 13	13-0394	EA	14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	539.25 37.83 68.10 28.37	106.21
33 14 13	13-0395	EA	16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	680.13 52.53 94.55 39.39	102.21
33 14 13	13-0396	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	669.94 50.56 91.01 37.92	108.48
33 14 13	13-0397	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	660.58 48.71 87.67 36.53	114.52
33 14 13	13-0398	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	715.17 53.22 95.80 39.92	120.77
33 14 13	13-0399	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	794.48 59.58 107.25 44.69	131.11
33 14 13	13-0400	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	850.50 64.91 116.83 48.68	132.96

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0401	EA		18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer .....	949.91	139.00
			For Cement Mortar Lining (CML), Add	73.93	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	133.07	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	55.45	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0402	EA		18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer .....	920.04	145.26
			For Cement Mortar Lining (CML), Add	70.00	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	125.99	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	52.50	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0403	EA		18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer .....	976.20	155.60
			For Cement Mortar Lining (CML), Add	74.05	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	133.28	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	55.53	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0404	EA		18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer .....	1,030.66	170.16
			For Cement Mortar Lining (CML), Add	77.29	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	139.11	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	57.96	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0405	EA		20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer .....	1,198.36	181.58
			For Cement Mortar Lining (CML), Add	92.33	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	166.19	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	69.24	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0406	EA		20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer .....	1,154.30	187.62
			For Cement Mortar Lining (CML), Add	87.00	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	156.61	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.25	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0407	EA		20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer .....	1,072.37	193.87
			For Cement Mortar Lining (CML), Add	77.86	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	140.15	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	58.40	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0408	EA		20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer .....	1,082.27	204.21
			For Cement Mortar Lining (CML), Add	77.29	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	139.11	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	57.96	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0409	EA		20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer .....	1,120.52	218.77
			For Cement Mortar Lining (CML), Add	78.91	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	142.03	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	59.18	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410	EA		20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer .....	1,336.95	243.26
			For Cement Mortar Lining (CML), Add	96.84	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	174.31	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	72.63	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411	EA		24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer .....	1,560.01	242.33
			For Cement Mortar Lining (CML), Add	119.28	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	214.71	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	89.46	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0412	EA		24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer .....	1,605.76	252.68
			For Cement Mortar Lining (CML), Add	122.29	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	220.12	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	91.72	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413	EA		24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer .....	1,644.00	267.23
			For Cement Mortar Lining (CML), Add	123.91	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	223.04	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	92.93	
			Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0414	EA	24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,626.74 118.47 213.25 88.85	291.72
33 14 13	13-0415	EA	24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,982.70 146.70 264.07 110.03	340.34
<b>33 14 13 13-0416 Mechanical Joint Ductile Iron Caps (33 14 13 13-0002)</b>					
33 14 13	13-0417	EA	3" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	155.35 3.01 5.41 2.26	82.67
33 14 13	13-0418	EA	4" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	178.21 3.12 5.62 2.34	97.00
33 14 13	13-0419	EA	6" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	239.24 5.55 10.00 4.16	121.26
33 14 13	13-0420	EA	8" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	302.53 9.26 16.66 6.94	138.59
33 14 13	13-0421	EA	10" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	432.61 11.69 21.03 8.76	208.40
33 14 13	13-0422	EA	12" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	519.16 17.47 31.45 13.10	227.35
33 14 13	13-0423	EA	14" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	643.85 26.49 47.69 19.87	250.08
33 14 13	13-0424	EA	16" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	776.20 35.52 63.93 26.64	277.84
33 14 13	13-0425	EA	18" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	907.49 43.39 78.09 32.54	312.60
33 14 13	13-0426	EA	20" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,102.43 56.11 101.00 42.08	357.22

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0427	EA	24" Mechanical Joint Ductile Iron Caps..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,402.05 77.05 138.70 57.79	416.80
33 14 13	13-0428	EA	30" Mechanical Joint Ductile Iron Caps..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,519.86 176.21 317.17 132.15	500.16
33 14 13	13-0429	EA	36" Mechanical Joint Ductile Iron Caps..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,152.05 320.48 576.86 240.36	625.20
33 14 13	13-0430	EA	42" Mechanical Joint Ductile Iron Caps..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,997.11 486.04 874.87 364.53	750.24
33 14 13	13-0431	EA	48" Mechanical Joint Ductile Iron Caps..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,119.56 585.65 1,054.18 439.24	833.59
<b>33 14 13</b>	<b>13-0432</b>		<b>Mechanical Joint Ductile Iron Plug</b> (33 14 13 13-0002)		
33 14 13	13-0433	EA	3" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	159.98 3.47 6.25 2.60	82.67
33 14 13	13-0434	EA	4" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	185.15 3.82 6.87 2.86	97.00
33 14 13	13-0435	EA	6" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	257.76 7.41 13.33 5.55	121.26
33 14 13	13-0436	EA	8" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	321.04 11.11 19.99 8.33	138.59
33 14 13	13-0437	EA	10" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	507.82 19.21 34.57 14.40	208.40
33 14 13	13-0438	EA	12" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	539.99 19.55 35.20 14.66	227.35
33 14 13	13-0439	EA	14" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	776.90 39.80 71.64 29.85	250.08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0440	EA	16" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	471.92 5.09 9.16 3.82	277.84
33 14 13	13-0441	EA	18" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,105.33 63.17 113.71 47.38	312.60
33 14 13	13-0442	EA	20" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,372.00 83.07 149.53 62.30	357.22
33 14 13	13-0443	EA	24" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,783.84 115.23 207.42 86.42	416.80
33 14 13	13-0444	EA	30" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,045.12 228.73 411.72 171.55	500.16
33 14 13	13-0445	EA	36" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,480.63 353.34 636.00 265.00	625.20
33 14 13	13-0446	EA	42" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,038.76 490.20 882.37 367.65	750.24
33 14 13	13-0447	EA	48" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,797.53 653.45 1,176.21 490.09	833.59
33 14 13	13-0448		<b>Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters</b> (33 14 13 13-0002)		
33 14 13	13-0449	EA	3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	265.60 7.52 13.54 5.64	125.66
33 14 13	13-0450	EA	4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	301.46 8.10 14.58 6.07	145.50
33 14 13	13-0451	EA	6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	387.80 11.22 20.20 8.42	181.88
33 14 13	13-0452	EA	8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	485.01 17.01 30.61 12.76	207.83

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0453	EA		10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	769.81	312.60
			For Cement Mortar Lining (CML), Add	29.62	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	53.31	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.21	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0454	EA		12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	896.18	341.01
			For Cement Mortar Lining (CML), Add	37.95	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	68.31	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	28.46	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0455	EA		14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	1,171.14	375.12
			For Cement Mortar Lining (CML), Add	60.28	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	108.50	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.21	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0456	EA		16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	1,319.90	416.80
			For Cement Mortar Lining (CML), Add	68.84	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	123.91	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	51.63	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0457	EA		18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	1,763.29	468.90
			For Cement Mortar Lining (CML), Add	105.28	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	189.51	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	78.96	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0458	EA		20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	2,066.08	535.87
			For Cement Mortar Lining (CML), Add	125.41	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	225.75	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	94.06	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0459	EA		24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	2,491.81	625.20
			For Cement Mortar Lining (CML), Add	154.45	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	278.02	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	115.84	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0460	EA		30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	3,979.37	750.24
			For Cement Mortar Lining (CML), Add	284.27	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	511.68	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	213.20	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0461	EA		36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	5,494.56	937.79
			For Cement Mortar Lining (CML), Add	407.37	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	733.26	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	305.52	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0462	EA		42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	7,303.41	1,071.74
			For Cement Mortar Lining (CML), Add	567.95	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,022.31	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	425.96	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0463	EA		48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	9,007.52	1,250.39
			For Cement Mortar Lining (CML), Add	711.30	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,280.34	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	533.47	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0464			<b>Mechanical Joint Ductile Iron Long Sleeves</b> (33 14 13 13-0002)		
33 14 13 13-0465	EA		3" Mechanical Joint Ductile Iron Long Sleeves .....	254.03	125.66
			For Cement Mortar Lining (CML), Add	6.36	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	11.45	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.77	
			Note: ANSI/AWWA C151/A21.51		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0466	EA	4" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	295.67 7.52 13.54 5.64	145.50
33 14 13	13-0467	EA	6" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	401.68 12.61 22.70 9.46	181.88
33 14 13	13-0468	EA	8" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	522.04 20.71 37.28 15.53	207.83
33 14 13	13-0469	EA	10" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	720.06 24.64 44.36 18.48	312.60
33 14 13	13-0470	EA	12" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	849.90 33.32 59.98 24.99	341.01
33 14 13	13-0471	EA	14" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,071.64 50.33 90.59 37.75	375.12
33 14 13	13-0472	EA	16" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,268.99 63.75 114.75 47.81	416.80
33 14 13	13-0473	EA	18" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,526.12 81.57 146.82 61.17	468.90
33 14 13	13-0474	EA	20" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,796.51 98.46 177.22 73.84	535.87
33 14 13	13-0475	EA	24" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,244.22 129.70 233.45 97.27	625.20
33 14 13	13-0476	EA	30" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,853.26 271.65 488.98 203.74	750.24
33 14 13	13-0477	EA	36" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,235.40 381.45 686.61 286.09	937.79
33 14 13	13-0478	EA	42" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,724.22 510.22 918.39 382.66	1,070.51

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0479	EA	48" Mechanical Joint Ductile Iron Long Sleeves ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,061.90 716.74 1,290.13 537.55	1,250.39
33 14 13	13-0480		<b>Mechanical Joint Ductile Iron Gland Packs</b> <small>(33 14 13 13-0002)</small> Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
33 14 13	13-0481		<b>Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts</b> <small>(33 14 13 13-0480)</small> Note: Labor installation is included with pipe fittings or valves.		
33 14 13	13-0482	EA	3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	23.14	
33 14 13	13-0483	EA	4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	38.45	
33 14 13	13-0484	EA	6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	46.46	
33 14 13	13-0485	EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	54.47	
33 14 13	13-0486	EA	10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	75.30	
33 14 13	13-0487	EA	12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	80.11	
33 14 13	13-0488	EA	14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	131.38	
33 14 13	13-0489	EA	16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	139.39	
33 14 13	13-0490	EA	18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	185.85	
33 14 13	13-0491	EA	20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	240.32	
33 14 13	13-0492	EA	24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	334.85	
33 14 13	13-0493	EA	30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	799.48	
33 14 13	13-0494	EA	36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	1,723.92	
33 14 13	13-0495	EA	42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	2,516.99	
33 14 13	13-0496	EA	48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	3,088.96	
33 14 13	13-0497		<b>Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts</b> <small>(33 14 13 13-0480)</small> Note: Labor installation is included with pipe fittings or valves.		
33 14 13	13-0498	EA	3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	39.34	
33 14 13	13-0499	EA	4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	54.47	
33 14 13	13-0500	EA	6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	68.89	
33 14 13	13-0501	EA	8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	75.30	
33 14 13	13-0502	EA	10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	104.14	
33 14 13	13-0503	EA	12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	108.95	
33 14 13	13-0504	EA	14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	165.02	
33 14 13	13-0505	EA	16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	181.04	
33 14 13	13-0506	EA	18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	240.32	
33 14 13	13-0507	EA	20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	310.82	
33 14 13	13-0508	EA	24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	434.19	
33 14 13	13-0509		<b>Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts</b> <small>(33 14 13 13-0480)</small> Note: Labor installation is included with pipe fittings or valves.		
33 14 13	13-0510	EA	3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	25.45	
33 14 13	13-0511	EA	4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	41.66	
33 14 13	13-0512	EA	6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	49.67	
33 14 13	13-0513	EA	8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	59.28	
33 14 13	13-0514	EA	10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	81.71	
33 14 13	13-0515	EA	12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	86.52	
33 14 13	13-0516	EA	14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	142.59	
33 14 13	13-0517	EA	16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	150.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0518	EA		18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	203.47	
33 14 13 13-0519	EA		20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	261.15	
33 14 13 13-0520	EA		24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	365.29	
33 14 13 13-0521	EA		30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	874.78	
33 14 13 13-0522	EA		36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	1,938.61	
33 14 13 13-0523	EA		42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	2,806.98	
33 14 13 13-0524	EA		48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	3,454.26	

**33 14 13 13-0525 Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series)** (33 14 13 13-0002)

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-0526	EA		3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC).....	169.52	63.03
33 14 13 13-0527	EA		4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC).....	193.52	74.65
33 14 13 13-0528	EA		6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC).....	240.06	92.40
33 14 13 13-0529	EA		8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC).....	299.15	107.82
33 14 13 13-0530	EA		10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC).....	430.91	156.30
33 14 13 13-0531	EA		12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC).....	530.84	178.65
33 14 13 13-0532	EA		14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC).....	617.68	192.30
33 14 13 13-0533	EA		16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC).....	760.36	208.40
33 14 13 13-0534	EA		18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC).....	975.15	250.08
33 14 13 13-0535	EA		20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC).....	1,150.46	277.74
33 14 13 13-0536	EA		24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC).....	1,492.84	320.46
33 14 13 13-0537	EA		30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC).....	2,891.18	384.30
33 14 13 13-0538	EA		36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC).....	3,570.49	480.93
33 14 13 13-0539	EA		42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC).....	5,264.94	554.91
33 14 13 13-0540	EA		48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC).....	6,742.44	713.67

**33 14 13 13-0541 Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®)** (33 14 13 13-0002)

33 14 13 13-0542	EA		3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	3,565.94	51.59
33 14 13 13-0543	EA		4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	3,713.37	64.49
33 14 13 13-0544	EA		6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	5,388.37	95.30
33 14 13 13-0545	EA		8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	7,322.26	113.04
33 14 13 13-0546	EA		10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	9,228.43	124.76
33 14 13 13-0547	EA		12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	12,308.35	146.35
33 14 13 13-0548	EA		14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	15,162.08	164.11
33 14 13 13-0549	EA		16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	17,937.33	187.56
33 14 13 13-0550	EA		18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	20,223.77	262.59
33 14 13 13-0551	EA		20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	27,206.79	328.23
33 14 13 13-0552	EA		24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	37,697.87	437.64

**33 14 13 13-0553 Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series)** (33 14 13 13-0002)

Note: Includes machined bolts and gasket.

33 14 13 13-0554	EA		3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM).....	168.32	63.03
33 14 13 13-0555	EA		4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM).....	215.68	74.65
33 14 13 13-0556	EA		6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM).....	278.50	92.40
33 14 13 13-0557	EA		8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM).....	317.99	107.82
33 14 13 13-0558	EA		10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM).....	557.01	165.35
33 14 13 13-0559	EA		12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM).....	630.52	189.00

**33 14 13 13-0560 Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series)** (33 14 13 13-0002)

Note: Includes nuts, bolts and gasket.

33 14 13 13-0561	EA		3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300).....	243.61	63.03
33 14 13 13-0562	EA		4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400).....	302.80	74.65
33 14 13 13-0563	EA		6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600).....	418.55	92.40
33 14 13 13-0564	EA		8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800).....	603.58	107.82
33 14 13 13-0565	EA		10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000).....	874.98	165.35
33 14 13 13-0566	EA		12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200).....	1,086.90	189.00
33 14 13 13-0567	EA		14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400).....	1,669.39	203.42
33 14 13 13-0568	EA		16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600).....	2,335.65	220.47
33 14 13 13-0569	EA		18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800).....	2,642.70	264.56
33 14 13 13-0570	EA		20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000).....	2,919.31	293.81
33 14 13 13-0571	EA		24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400).....	3,530.66	339.01
33 14 13 13-0572	EA		30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000).....	4,540.61	406.55
33 14 13 13-0573	EA		36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600).....	6,775.98	508.76
33 14 13 13-0574	EA		42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200).....	17,629.54	587.03
33 14 13 13-0575	EA		48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800).....	22,581.10	754.98

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 14 13 13-0576		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping <small>(33 14 13 13-0001)</small>			
		Note: See CSI section 33 14 13 13-0480 for bolts and gaskets.			
33 14 13 13-0577		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0576)</small>			
33 14 13 13-0578	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	300.95		35.97
33 14 13 13-0579	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	360.15		43.09
33 14 13 13-0580	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	557.83		63.13
33 14 13 13-0581	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	758.66		75.16
33 14 13 13-0582	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,033.04		83.36
33 14 13 13-0583	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,307.04		97.57
33 14 13 13-0584	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,847.99		109.88
33 14 13 13-0585	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	2,239.58		125.04
33 14 13 13-0586	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	2,714.48		175.25
33 14 13 13-0587	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	3,383.58		218.82
33 14 13 13-0588	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	4,777.84		291.76
33 14 13 13-0589	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	7,597.03		312.60
33 14 13 13-0590	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	11,142.63		324.91
33 14 13 13-0591	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	18,303.40		375.12
33 14 13 13-0592	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	23,911.60		398.80
33 14 13 13-0593		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0576)</small>			
33 14 13 13-0594	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	288.23		35.97
33 14 13 13-0595	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	338.17		43.09
33 14 13 13-0596	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	519.65		63.13
33 14 13 13-0597	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	699.65		75.16
33 14 13 13-0598	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	908.08		83.36
33 14 13 13-0599	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	1,194.82		97.57
33 14 13 13-0600	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	1,607.34		109.88
33 14 13 13-0601	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	1,922.58		125.04
33 14 13 13-0602	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	2,282.94		175.25
33 14 13 13-0603	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	2,773.76		218.82
33 14 13 13-0604	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	3,656.74		291.76
33 14 13 13-0605	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	6,651.80		312.60
33 14 13 13-0606	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	9,160.76		324.91
33 14 13 13-0607	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	13,576.06		375.12
33 14 13 13-0608	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	17,351.64		398.80
33 14 13 13-0609		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <small>(33 14 13 13-0576)</small>			
33 14 13 13-0610	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	226.91		35.97
33 14 13 13-0611	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	334.70		43.09
33 14 13 13-0612	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	505.76		63.13
33 14 13 13-0613	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	695.02		75.16
33 14 13 13-0614	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	906.93		83.36
33 14 13 13-0615	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	1,127.72		97.57
33 14 13 13-0616	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	1,616.60		109.88
33 14 13 13-0617	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	1,880.93		125.04
33 14 13 13-0618	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	2,272.53		175.25
33 14 13 13-0619	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	2,869.89		218.82
33 14 13 13-0620	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	3,580.38		291.76
33 14 13 13-0621	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	5,931.01		312.60
33 14 13 13-0622	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	8,061.65		324.91
33 14 13 13-0623	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	11,506.26		375.12
33 14 13 13-0624	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	14,705.67		398.80
33 14 13 13-0625		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <small>(33 14 13 13-0576)</small>			
33 14 13 13-0626	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	226.91		35.97
33 14 13 13-0627	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	398.33		43.09
33 14 13 13-0628	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	510.39		63.13
33 14 13 13-0629	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	674.20		75.16
33 14 13 13-0630	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	904.61		83.36
33 14 13 13-0631	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	1,096.48		97.57
33 14 13 13-0632	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	1,738.08		109.88
33 14 13 13-0633	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	1,937.62		125.04
33 14 13 13-0634	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	2,601.10		175.25
33 14 13 13-0635	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	2,770.39		218.82
33 14 13 13-0636	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	3,581.54		291.76
33 14 13 13-0637	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	6,007.37		312.60
33 14 13 13-0638	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	7,842.98		324.91
33 14 13 13-0639	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	11,193.88		375.12
33 14 13 13-0640	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	14,622.37		398.80
33 14 13 13-0641		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MxPE) Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0576)</small>			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0642 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	265.09	35.97
33 14 13 13-0643 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	386.76	43.09
33 14 13 13-0644 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	601.79	63.13
33 14 13 13-0645 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	814.19	75.16
33 14 13 13-0646 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	1,114.02	83.36
33 14 13 13-0647 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	1,396.13	97.57
33 14 13 13-0648 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	2,487.79	109.88
33 14 13 13-0649 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	3,867.43	125.04
33 14 13 13-0650 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	4,430.26	175.25
33 14 13 13-0651 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	5,112.08	218.82
33 14 13 13-0652 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	5,546.06	291.76
<b>33 14 13 13-0653 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0576)</small></b>		
33 14 13 13-0654 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	265.09	35.97
33 14 13 13-0655 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	342.80	43.09
33 14 13 13-0656 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	538.16	63.13
33 14 13 13-0657 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	756.34	75.16
33 14 13 13-0658 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	997.17	83.36
33 14 13 13-0659 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	1,294.32	97.57
33 14 13 13-0660 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	1,718.40	109.88
33 14 13 13-0661 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	2,062.57	125.04
33 14 13 13-0662 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	3,840.20	175.25
33 14 13 13-0663 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	4,040.73	218.82
33 14 13 13-0664 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	4,229.44	291.76
<b>33 14 13 13-0665 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee <small>(33 14 13 13-0576)</small></b>		
33 14 13 13-0666 EA 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	374.48	53.97
33 14 13 13-0667 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	409.20	60.85
33 14 13 13-0668 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	431.72	63.13
33 14 13 13-0669 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	611.81	80.03
33 14 13 13-0670 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	661.92	83.17
33 14 13 13-0671 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	700.10	93.19
33 14 13 13-0672 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	810.42	96.20
33 14 13 13-0673 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	877.51	106.22
33 14 13 13-0674 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	963.90	113.24
33 14 13 13-0675 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,078.71	103.25
33 14 13 13-0676 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,080.20	112.73
33 14 13 13-0677 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,169.50	119.35
33 14 13 13-0678 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,260.79	125.04
33 14 13 13-0679 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,295.50	115.57
33 14 13 13-0680 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,309.69	125.04
33 14 13 13-0681 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,415.20	131.67
33 14 13 13-0682 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,626.82	137.35
33 14 13 13-0683 EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,632.83	143.98
33 14 13 13-0684 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,844.33	145.88
33 14 13 13-0685 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,993.81	152.51
33 14 13 13-0686 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	2,411.35	158.20
33 14 13 13-0687 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	2,544.63	164.83
33 14 13 13-0688 EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	2,364.78	175.25
33 14 13 13-0689 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	2,206.52	175.25
33 14 13 13-0690 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	2,324.84	180.93
33 14 13 13-0691 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	2,779.42	187.56
33 14 13 13-0692 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	2,613.04	193.25
33 14 13 13-0693 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	3,393.47	203.66
33 14 13 13-0694 EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	3,081.14	218.82
33 14 13 13-0695 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	2,895.16	224.50
33 14 13 13-0696 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	3,051.58	230.18
33 14 13 13-0697 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	3,249.30	235.87
33 14 13 13-0698 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	3,432.33	242.50
33 14 13 13-0699 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	3,527.84	252.92

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0700	EA		18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,768.55	267.13
33 14 13 13-0701	EA		18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,204.81	291.76
33 14 13 13-0702	EA		20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,349.07	321.13
33 14 13 13-0703	EA		20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,405.99	327.76
33 14 13 13-0704	EA		20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,734.47	333.44
33 14 13 13-0705	EA		20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,915.17	340.07
33 14 13 13-0706	EA		20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,956.30	350.49
33 14 13 13-0707	EA		20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,912.40	364.70
33 14 13 13-0708	EA		20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,976.89	389.33
33 14 13 13-0709	EA		20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,277.69	437.64
33 14 13 13-0710	EA		24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,074.41	417.75
33 14 13 13-0711	EA		24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,113.98	425.33
33 14 13 13-0712	EA		24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,187.92	430.06
33 14 13 13-0713	EA		24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,296.89	436.69
33 14 13 13-0714	EA		24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,871.37	447.11
33 14 13 13-0715	EA		24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,079.71	461.32
33 14 13 13-0716	EA		24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,225.18	485.95
33 14 13 13-0717	EA		24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,437.67	535.21
33 14 13 13-0718	EA		24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,065.67	583.51
33 14 13 13-0719	EA		30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,052.67	486.90
33 14 13 13-0720	EA		30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,724.32	493.53
33 14 13 13-0721	EA		30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,100.23	499.21
33 14 13 13-0722	EA		30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,477.60	505.84
33 14 13 13-0723	EA		30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,013.92	516.26
33 14 13 13-0724	EA		30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,593.62	686.77
33 14 13 13-0725	EA		30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,563.63	555.10
33 14 13 13-0726	EA		30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,569.03	603.41
33 14 13 13-0727	EA		30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,935.18	651.72
33 14 13 13-0728	EA		30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,637.17	686.77
33 14 13 13-0729	EA		36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,293.12	547.53
33 14 13 13-0730	EA		36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,142.23	553.21
33 14 13 13-0731	EA		36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,601.76	559.84
33 14 13 13-0732	EA		36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,928.65	570.26
33 14 13 13-0733	EA		36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,258.46	584.46
33 14 13 13-0734	EA		36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,892.55	609.09
33 14 13 13-0735	EA		36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,564.36	657.41
33 14 13 13-0736	EA		36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,698.72	705.71
33 14 13 13-0737	EA		36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,194.80	767.29
33 14 13 13-0738	EA		36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	15,177.03	767.29
33 14 13 13-0739	EA		42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	17,195.06	590.15
33 14 13 13-0740	EA		42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	17,540.46	599.62
33 14 13 13-0741	EA		42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	19,277.13	614.78
33 14 13 13-0742	EA		42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	21,954.42	639.41
33 14 13 13-0743	EA		42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	22,028.08	687.71
33 14 13 13-0744	EA		42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	18,271.97	736.03
33 14 13 13-0745	EA		42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	18,605.30	771.08
33 14 13 13-0746	EA		42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	23,003.26	797.61
33 14 13 13-0747	EA		42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	24,238.60	812.76
33 14 13 13-0748	EA		48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	20,037.61	637.51
33 14 13 13-0749	EA		48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	20,396.90	647.93
33 14 13 13-0750	EA		48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	20,907.19	663.09
33 14 13 13-0751	EA		48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	21,429.06	686.77
33 14 13 13-0752	EA		48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	21,990.96	736.03
33 14 13 13-0753	EA		48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	22,129.18	784.34
33 14 13 13-0754	EA		48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	23,753.67	818.44
33 14 13 13-0755	EA		48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	19,158.59	845.91
33 14 13 13-0756	EA		48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	23,966.61	861.07
33 14 13 13-0757	EA		48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	31,852.99	884.75

**33 14 13 13-0758 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals)** (33 14 13 13-0576)

33 14 13 13-0759	EA		3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	419.97	60.32
33 14 13 13-0760	EA		4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	460.46	60.32
33 14 13 13-0761	EA		4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	538.16	63.13
33 14 13 13-0762	EA		6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	596.77	80.03
33 14 13 13-0763	EA		6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	664.24	83.17
33 14 13 13-0764	EA		6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	810.01	93.19
33 14 13 13-0765	EA		8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,056.85	96.20
33 14 13 13-0766	EA		8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	979.32	106.22
33 14 13 13-0767	EA		8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,099.26	113.24
33 14 13 13-0768	EA		10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,540.33	103.25
33 14 13 13-0769	EA		10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,605.46	112.73
33 14 13 13-0770	EA		10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,794.26	119.35
33 14 13 13-0771	EA		10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,957.28	125.04
33 14 13 13-0772	EA		12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,877.45	115.57
33 14 13 13-0773	EA		12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,127.66	125.04
33 14 13 13-0774	EA		12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,514.32	131.67
33 14 13 13-0775	EA		12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,517.68	137.35
33 14 13 13-0776	EA		12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,327.01	143.98
33 14 13 13-0777	EA		14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,760.65	145.88
33 14 13 13-0778	EA		14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,170.44	152.51
33 14 13 13-0779	EA		14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,168.78	158.20
33 14 13 13-0780	EA		14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,469.81	164.83
33 14 13 13-0781	EA		14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,358.22	175.25

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0782	EA	16"	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,878.79	175.25
33 14 13 13-0783	EA	16"	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,177.52	180.93
33 14 13 13-0784	EA	16"	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,766.31	187.56
33 14 13 13-0785	EA	16"	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,885.70	193.25
33 14 13 13-0786	EA	16"	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,806.11	203.66
33 14 13 13-0787	EA	16"	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,550.50	218.82
33 14 13 13-0788	EA	18"	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,075.26	224.50
33 14 13 13-0789	EA	18"	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,393.65	230.18
33 14 13 13-0790	EA	18"	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,701.29	235.87
33 14 13 13-0791	EA	18"	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,034.72	242.50
33 14 13 13-0792	EA	18"	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,087.42	252.92
33 14 13 13-0793	EA	18"	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,147.65	267.13
33 14 13 13-0794	EA	18"	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,674.54	291.76
33 14 13 13-0795	EA	20"	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,809.15	321.13
33 14 13 13-0796	EA	20"	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,914.67	327.76
33 14 13 13-0797	EA	20"	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,409.74	333.44
33 14 13 13-0798	EA	20"	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,900.51	340.07
33 14 13 13-0799	EA	20"	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,956.68	350.49
33 14 13 13-0800	EA	20"	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,022.70	364.70
33 14 13 13-0801	EA	20"	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,992.32	389.33
33 14 13 13-0802	EA	20"	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,583.93	437.64
33 14 13 13-0803	EA	24"	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,834.15	417.75
33 14 13 13-0804	EA	24"	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,909.58	424.38
33 14 13 13-0805	EA	24"	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,599.02	430.06
33 14 13 13-0806	EA	24"	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,912.77	436.69
33 14 13 13-0807	EA	24"	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	8,005.57	447.11
33 14 13 13-0808	EA	24"	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	8,910.41	461.32
33 14 13 13-0809	EA	24"	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	9,982.98	485.95
33 14 13 13-0810	EA	24"	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	10,968.33	535.21
33 14 13 13-0811	EA	24"	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	9,684.64	583.51
33 14 13 13-0812	EA	30"	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	12,210.40	486.90
33 14 13 13-0813	EA	30"	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	13,712.35	493.53
33 14 13 13-0814	EA	30"	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	14,518.66	499.21
33 14 13 13-0815	EA	30"	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	15,326.42	505.84
33 14 13 13-0816	EA	30"	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	16,471.29	516.26
33 14 13 13-0817	EA	30"	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	17,702.37	530.48
33 14 13 13-0818	EA	30"	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	18,144.41	555.10
33 14 13 13-0819	EA	30"	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	18,783.83	603.41
33 14 13 13-0820	EA	30"	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	19,672.92	651.72
33 14 13 13-0821	EA	30"	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	21,330.95	686.77
33 14 13 13-0822	EA	36"	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	23,489.52	559.84
33 14 13 13-0823	EA	36"	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	24,415.71	570.26
33 14 13 13-0824	EA	36"	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	25,336.73	584.46
33 14 13 13-0825	EA	36"	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	27,115.06	609.09
33 14 13 13-0826	EA	36"	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	28,936.88	657.41
33 14 13 13-0827	EA	36"	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	32,108.65	705.71
33 14 13 13-0828	EA	36"	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	35,991.54	740.76
33 14 13 13-0829	EA	36"	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	43,005.39	767.29
33 14 13 13-0830	EA	42"	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	37,836.78	687.71
33 14 13 13-0831	EA	42"	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	38,767.52	736.03
33 14 13 13-0832	EA	42"	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	41,418.24	771.08
33 14 13 13-0833	EA	42"	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	47,402.39	797.61
33 14 13 13-0834	EA	42"	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	55,967.07	812.76
33 14 13 13-0835	EA	48"	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	37,301.01	736.03
33 14 13 13-0836	EA	48"	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	42,268.38	784.34
33 14 13 13-0837	EA	48"	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	45,056.78	818.44
33 14 13 13-0838	EA	48"	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	51,400.75	845.91
33 14 13 13-0839	EA	48"	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	67,317.90	861.07
33 14 13 13-0840	EA	48"	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	73,933.94	884.75

**33 14 13 13-0841 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee** (33 14 13 13-0576)

33 14 13 13-0842	EA	6"	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	742.91	93.19
33 14 13 13-0843	EA	8"	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	921.47	106.22
33 14 13 13-0844	EA	10"	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,311.59	112.73
33 14 13 13-0845	EA	12"	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,508.68	125.04
33 14 13 13-0846	EA	14"	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,991.27	145.88
33 14 13 13-0847	EA	16"	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,425.26	175.25
33 14 13 13-0848	EA	18"	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,866.24	224.50
33 14 13 13-0849	EA	20"	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	3,856.97	321.13
33 14 13 13-0850	EA	24"	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	4,505.74	417.75
33 14 13 13-0851	EA	30"	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	8,139.05	486.90

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 14 13 13-0852	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross <small>(33 14 13 13-0576)</small>		
33 14 13 13-0853	EA 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	420.25	71.96
33 14 13 13-0854	EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	522.43	78.30
33 14 13 13-0855	EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	648.99	79.17
33 14 13 13-0856	EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	691.32	98.15
33 14 13 13-0857	EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	807.07	106.22
33 14 13 13-0858	EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	894.60	132.27
33 14 13 13-0859	EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	858.00	116.24
33 14 13 13-0860	EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,012.61	142.30
33 14 13 13-0861	EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,004.53	152.31
33 14 13 13-0862	EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,004.60	121.25
33 14 13 13-0863	EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,128.12	145.88
33 14 13 13-0864	EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,336.70	155.35
33 14 13 13-0865	EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,447.79	166.72
33 14 13 13-0866	EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,286.47	131.67
33 14 13 13-0867	EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,489.81	156.30
33 14 13 13-0868	EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,616.25	165.77
33 14 13 13-0869	EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,882.37	177.13
33 14 13 13-0870	EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,146.89	187.56
33 14 13 13-0871	EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,215.75	171.45
33 14 13 13-0872	EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,623.34	180.93
33 14 13 13-0873	EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,688.15	193.25
33 14 13 13-0874	EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,836.96	202.71
33 14 13 13-0875	EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,142.93	218.82
33 14 13 13-0876	EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,480.28	194.19
33 14 13 13-0877	EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,834.64	202.71
33 14 13 13-0878	EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,413.15	215.03
33 14 13 13-0879	EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,814.18	225.45
33 14 13 13-0880	EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,628.06	240.61
33 14 13 13-0881	EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,832.42	262.40
33 14 13 13-0882	EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,264.66	229.23
33 14 13 13-0883	EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,511.45	238.71
33 14 13 13-0884	EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,723.18	250.08
33 14 13 13-0885	EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,128.83	260.50
33 14 13 13-0886	EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,004.03	275.65
33 14 13 13-0887	EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,387.73	297.45
33 14 13 13-0888	EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,673.85	333.44
33 14 13 13-0889	EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,361.98	287.97
33 14 13 13-0890	EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,611.06	296.50
33 14 13 13-0891	EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,782.30	308.81
33 14 13 13-0892	EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,184.50	319.23
33 14 13 13-0893	EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,286.84	334.38
33 14 13 13-0894	EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,638.91	356.18
33 14 13 13-0895	EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,925.04	391.23
33 14 13 13-0896	EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,557.25	449.95
33 14 13 13-0897	EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,334.00	359.96
33 14 13 13-0898	EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,504.69	369.43
33 14 13 13-0899	EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,792.51	380.80
33 14 13 13-0900	EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,040.83	391.23
33 14 13 13-0901	EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,180.18	406.38
33 14 13 13-0902	EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,486.36	428.16
33 14 13 13-0903	EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	11,294.67	464.16
33 14 13 13-0904	EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	11,886.38	521.95
33 14 13 13-0905	EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	13,083.23	593.94
33 14 13 13-0906	EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	11,366.31	478.38
33 14 13 13-0907	EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	11,591.94	489.74
33 14 13 13-0908	EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	11,813.65	500.16
33 14 13 13-0909	EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	12,075.64	515.31
33 14 13 13-0910	EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	12,376.03	538.05
33 14 13 13-0911	EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	12,725.80	573.10
33 14 13 13-0912	EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	13,168.26	630.88
33 14 13 13-0913	EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	16,957.86	703.82
33 14 13 13-0914	EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	19,498.53	812.76
33 14 13 13-0915	EA 36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,904.72	518.16
33 14 13 13-0916	EA 36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	16,128.03	529.53
33 14 13 13-0917	EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	16,320.83	539.94
33 14 13 13-0918	EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	16,550.43	556.05
33 14 13 13-0919	EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	16,819.58	577.83
33 14 13 13-0920	EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	17,138.10	612.88
33 14 13 13-0921	EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	17,551.65	671.61
33 14 13 13-0922	EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	18,279.93	743.61
33 14 13 13-0923	EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	24,664.01	852.54
33 14 13 13-0924	EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	27,111.80	893.27
33 14 13 13-0925	EA 42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	21,384.23	563.63
33 14 13 13-0926	EA 42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	21,830.18	578.78
33 14 13 13-0927	EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	22,091.24	601.51
33 14 13 13-0928	EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	22,453.73	636.56
33 14 13 13-0929	EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	23,106.76	695.29
33 14 13 13-0930	EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	24,480.63	767.29
33 14 13 13-0931	EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	29,754.03	876.22
33 14 13 13-0932	EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	38,926.07	916.01
33 14 13 13-0933	EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	41,722.98	939.69
33 14 13 13-0934	EA 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	28,942.63	656.46
33 14 13 13-0935	EA 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	29,135.23	671.61



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0936	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	29,392.81	693.40
33 14 13	13-0937	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	29,671.99	728.45
33 14 13	13-0938	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	30,043.88	787.18
33 14 13	13-0939	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	30,687.72	859.17
33 14 13	13-0940	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	32,461.31	968.11
33 14 13	13-0941	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	39,826.18	1,008.84
33 14 13	13-0942	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	51,282.95	1,032.52
33 14 13	13-0943	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	54,609.19	1,124.41
<b>33 14 13 13-0944 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0576)</b>					
33 14 13	13-0945	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	296.50	39.15
33 14 13	13-0946	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	413.34	49.08
33 14 13	13-0947	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	454.03	52.11
33 14 13	13-0948	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	593.71	59.12
33 14 13	13-0949	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	619.07	69.14
33 14 13	13-0950	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	724.01	61.57
33 14 13	13-0951	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	759.04	71.05
33 14 13	13-0952	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	790.50	77.68
33 14 13	13-0953	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	836.44	68.20
33 14 13	13-0954	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	925.86	77.68
33 14 13	13-0955	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	942.28	83.36
33 14 13	13-0956	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	984.99	89.99
33 14 13	13-0957	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,441.34	88.10
33 14 13	13-0958	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,450.82	93.78
33 14 13	13-0959	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,266.76	100.41
33 14 13	13-0960	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,293.58	106.10
33 14 13	13-0961	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,727.18	102.30
33 14 13	13-0962	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,677.65	108.93
33 14 13	13-0963	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,578.05	114.62
33 14 13	13-0964	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,560.91	120.30
33 14 13	13-0965	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,764.02	130.72
33 14 13	13-0966	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,882.51	132.62
33 14 13	13-0967	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,120.75	139.25
33 14 13	13-0968	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,028.41	144.93
33 14 13	13-0969	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,421.25	155.35
33 14 13	13-0970	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,127.46	170.51
33 14 13	13-0971	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,508.04	181.88
33 14 13	13-0972	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,528.77	187.56
33 14 13	13-0973	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,302.22	194.19
33 14 13	13-0974	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,302.86	204.61
33 14 13	13-0975	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,250.87	218.82
33 14 13	13-0976	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,659.35	243.45
33 14 13	13-0977	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,162.40	242.50
33 14 13	13-0978	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,210.46	252.92
33 14 13	13-0979	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,269.53	267.13
33 14 13	13-0980	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,225.66	291.76
33 14 13	13-0981	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,721.61	340.07
33 14 13	13-0982	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,739.76	301.23

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 13-0983	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,986.28	325.86
33 14 13 13-0984	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,779.95	375.12
33 14 13 13-0985	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,920.88	423.43
33 14 13 13-0986	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,571.29	401.64
33 14 13 13-0987	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,053.52	449.95
33 14 13 13-0988	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,531.46	485.00
33 14 13 13-0989	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,149.77	343.86
33 14 13 13-0990	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,089.70	368.48
33 14 13 13-0991	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,127.49	416.80
33 14 13 13-0992	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,569.98	465.11
33 14 13 13-0993	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,479.48	500.16
33 14 13 13-0994	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,920.65	526.68
33 14 13 13-0995	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	14,038.07	367.54
33 14 13 13-0996	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	13,591.57	392.17
33 14 13 13-0997	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,922.46	440.48
33 14 13 13-0998	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	13,307.11	489.74
33 14 13 13-0999	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	15,933.53	523.84
33 14 13 13-1000	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	13,799.30	550.36
33 14 13 13-1001	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	15,168.85	565.52

**33 14 13 13-1002 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps** (33 14 13 13-0576)

33 14 13 13-1003	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	283.77	82.67
33 14 13 13-1004	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	341.34	97.21
33 14 13 13-1005	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	493.78	121.26
33 14 13 13-1006	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	655.40	138.29
33 14 13 13-1007	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	876.89	208.40
33 14 13 13-1008	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,096.48	227.35
33 14 13 13-1009	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,244.32	250.08
33 14 13 13-1010	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,507.40	277.55
33 14 13 13-1011	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,762.48	312.60
33 14 13 13-1012	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,120.55	357.12
33 14 13 13-1013	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,708.25	416.80
33 14 13 13-1014	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	4,847.66	500.16
33 14 13 13-1015	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	7,895.97	625.20
33 14 13 13-1016	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	11,341.11	750.24
33 14 13 13-1017	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	13,488.62	833.59

**33 14 13 13-1018 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug** (33 14 13 13-0576)

33 14 13 13-1019	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	284.93	82.67
33 14 13 13-1020	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	352.91	97.21
33 14 13 13-1021	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	523.86	121.26
33 14 13 13-1022	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	685.48	138.29
33 14 13 13-1023	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,049.27	208.40
33 14 13 13-1024	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,135.82	227.35
33 14 13 13-1025	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,495.38	250.08
33 14 13 13-1026	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,797.79	277.55
33 14 13 13-1027	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,133.87	312.60
33 14 13 13-1028	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,622.67	357.12
33 14 13 13-1029	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	3,423.25	416.80
33 14 13 13-1030	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	5,835.71	500.16
33 14 13 13-1031	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	8,510.32	625.20
33 14 13 13-1032	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	11,418.62	750.24
33 14 13 13-1033	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	15,132.66	833.59

**33 14 13 13-1034 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters** (33 14 13 13-0576)

33 14 13 13-1035	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	390.55	125.66
33 14 13 13-1036	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	510.87	145.31
33 14 13 13-1037	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	697.86	182.38

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1038	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	908.46	207.43
33 14 13 13-1039	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	1,339.04	312.60
33 14 13 13-1040	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	1,590.36	341.01
33 14 13 13-1041	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	2,060.84	375.12
33 14 13 13-1042	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	2,336.87	416.80
33 14 13 13-1043	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	3,045.21	468.90
33 14 13 13-1044	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	3,529.64	536.16
33 14 13 13-1045	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	4,266.59	625.20
33 14 13 13-1046	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	6,649.63	750.24
33 14 13 13-1047	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	9,023.28	937.79
33 14 13 13-1048	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	12,222.81	1,071.36
33 14 13 13-1049	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	15,169.49	1,250.39
<b>33 14 13 13-1050 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0576)</b>					
33 14 13 13-1051	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	404.44	125.66
33 14 13 13-1052	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	493.51	145.31
33 14 13 13-1053	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	717.53	182.38
33 14 13 13-1054	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	961.68	207.43
33 14 13 13-1055	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	1,264.99	312.60
33 14 13 13-1056	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	1,520.94	341.01
33 14 13 13-1057	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	1,912.75	375.12
33 14 13 13-1058	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	2,258.20	416.80
33 14 13 13-1059	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	2,688.86	468.90
33 14 13 13-1060	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	3,128.17	536.16
33 14 13 13-1061	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	3,898.67	625.20
33 14 13 13-1062	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	6,458.74	750.24
33 14 13 13-1063	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	8,385.80	937.79
33 14 13 13-1064	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	10,876.55	1,070.42
33 14 13 13-1065	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	16,066.13	1,250.39
<b>33 14 13 13-1066 Push-On Joint Ductile Iron Piping (33 14 13 13-0001)</b>					
<b>33 14 13 13-1067 Push-On Joint Ductile Iron Pipe (33 14 13 13-1066)</b>					
Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.					
33 14 13 13-1068	LF		4", Class 50, Push-On Joint Ductile Iron Pipe .....	25.18	8.27
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	8.86	
			For Cement Mortar Lining (CML), Add	1.27	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	6.83	
			For Fusion Bonded Epoxy Lining (206N), Add	2.28	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	0.95	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.26	
			For Class 51, Add	1.25	
			For Class 52, Add	2.78	
			For Class 53, Add	7.25	
			For Class 54, Add	10.32	
			For Class 55, Add	11.90	
			For Class 56, Add	13.44	
33 14 13 13-1069	LF		6", Class 50, Push-On Joint Ductile Iron Pipe .....	27.62	9.12
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	9.72	
			For Cement Mortar Lining (CML), Add	1.39	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	7.50	
			For Fusion Bonded Epoxy Lining (206N), Add	2.50	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.04	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.38	
			For Class 51, Add	1.37	
			For Class 52, Add	3.05	
			For Class 53, Add	7.96	
			For Class 54, Add	11.33	
			For Class 55, Add	13.06	
			For Class 56, Add	14.76	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 14 13 13-1070	LF 8", Class 50, Push-On Joint Ductile Iron Pipe .....	34.01	10.03
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.29	
	For Cement Mortar Lining (CML), Add	1.90	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	10.25	
	For Fusion Bonded Epoxy Lining (206N), Add	3.42	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.42	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-1.70	
	For Class 51, Add	1.83	
	For Class 52, Add	4.08	
	For Class 53, Add	10.74	
	For Class 54, Add	15.30	
	For Class 55, Add	17.61	
	For Class 56, Add	19.89	
33 14 13 13-1071	LF 10", Class 50, Push-On Joint Ductile Iron Pipe .....	48.10	14.11
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.07	
	For Cement Mortar Lining (CML), Add	2.68	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	13.39	
	For Fusion Bonded Epoxy Lining (206N), Add	4.82	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.01	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-2.41	
	For Class 51, Add	2.58	
	For Class 52, Add	5.76	
	For Class 53, Add	15.15	
	For Class 54, Add	21.59	
	For Class 55, Add	24.86	
	For Class 56, Add	28.07	
33 14 13 13-1072	LF 12", Class 50, Push-On Joint Ductile Iron Pipe .....	55.60	15.63
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	15.96	
	For Cement Mortar Lining (CML), Add	3.19	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	12.77	
	For Fusion Bonded Epoxy Lining (206N), Add	5.75	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.39	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-2.78	
	For Class 51, Add	3.05	
	For Class 52, Add	6.82	
	For Class 53, Add	17.99	
	For Class 54, Add	25.65	
	For Class 55, Add	29.52	
	For Class 56, Add	33.33	
33 14 13 13-1073	LF 14", Class 50, Push-On Joint Ductile Iron Pipe .....	67.31	17.62
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	17.90	
	For Cement Mortar Lining (CML), Add	4.07	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	13.83	
	For Fusion Bonded Epoxy Lining (206N), Add	7.32	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.05	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-3.37	
	For Class 51, Add	3.84	
	For Class 52, Add	8.60	
	For Class 53, Add	22.80	
	For Class 54, Add	32.52	
	For Class 55, Add	37.41	
	For Class 56, Add	42.22	
33 14 13 13-1074	LF 16", Class 50, Push-On Joint Ductile Iron Pipe .....	79.53	20.09
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	20.14	
	For Cement Mortar Lining (CML), Add	4.91	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	15.23	
	For Fusion Bonded Epoxy Lining (206N), Add	8.84	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.68	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-3.98	
	For Class 51, Add	4.62	
	For Class 52, Add	10.35	
	For Class 53, Add	27.47	
	For Class 54, Add	39.17	
	For Class 55, Add	45.06	
	For Class 56, Add	50.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-1075	LF	18", Class 50, Push-On Joint Ductile Iron Pipe.....	92.58	23.49
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	23.39	
			For Cement Mortar Lining (CML), Add	5.71	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	17.69	
			For Fusion Bonded Epoxy Lining (206N), Add	10.27	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.28	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-4.63	
			For Class 51, Add	5.37	
			For Class 52, Add	12.02	
			For Class 53, Add	31.91	
			For Class 54, Add	45.51	
			For Class 55, Add	52.35	
			For Class 56, Add	59.07	
33 14 13	13-1076	LF	20", Class 50, Push-On Joint Ductile Iron Pipe.....	107.17	28.14
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.53	
			For Cement Mortar Lining (CML), Add	6.45	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	18.07	
			For Fusion Bonded Epoxy Lining (206N), Add	11.62	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.84	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-5.36	
			For Class 51, Add	6.10	
			For Class 52, Add	13.66	
			For Class 53, Add	36.19	
			For Class 54, Add	51.59	
			For Class 55, Add	59.36	
			For Class 56, Add	67.00	
33 14 13	13-1077	LF	24", Class 50, Push-On Joint Ductile Iron Pipe.....	135.45	35.14
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	25.46	
			For Cement Mortar Lining (CML), Add	8.21	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	17.25	
			For Fusion Bonded Epoxy Lining (206N), Add	14.78	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.16	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-6.77	
			For Class 51, Add	7.75	
			For Class 52, Add	17.35	
			For Class 53, Add	46.01	
			For Class 54, Add	65.60	
			For Class 55, Add	75.48	
			For Class 56, Add	85.18	
33 14 13	13-1078	LF	30", Class 50, Push-On Joint Ductile Iron Pipe.....	159.04	37.52
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	31.69	
			For Cement Mortar Lining (CML), Add	10.22	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	18.40	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.67	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-7.95	
			For Class 51, Add	9.53	
			For Class 52, Add	21.36	
			For Class 53, Add	56.91	
			For Class 54, Add	81.18	
			For Class 55, Add	93.34	
			For Class 56, Add	105.30	
33 14 13	13-1079	LF	36", Class 50, Push-On Joint Ductile Iron Pipe.....	195.00	39.88
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	41.71	
			For Cement Mortar Lining (CML), Add	13.46	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	24.22	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.09	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-9.75	
			For Class 51, Add	12.37	
			For Class 52, Add	27.76	
			For Class 53, Add	74.38	
			For Class 54, Add	106.15	
			For Class 55, Add	121.99	
			For Class 56, Add	137.55	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 14 13 13-1080	LF 42", Class 50, Push-On Joint Ductile Iron Pipe .....	235.52	42.25
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	53.19	
	For Cement Mortar Lining (CML), Add	17.16	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	30.88	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.87	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-11.78	
	For Class 51, Add	15.61	
	For Class 52, Add	35.07	
	For Class 53, Add	94.35	
	For Class 54, Add	134.70	
	For Class 55, Add	154.73	
	For Class 56, Add	174.40	
33 14 13 13-1081	LF 48", Class 50, Push-On Joint Ductile Iron Pipe .....	281.44	44.52
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	66.31	
	For Cement Mortar Lining (CML), Add	21.39	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	38.50	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.04	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-14.07	
	For Class 51, Add	19.30	
	For Class 52, Add	43.42	
	For Class 53, Add	117.16	
	For Class 54, Add	167.31	
	For Class 55, Add	192.13	
	For Class 56, Add	216.51	
33 14 13 13-1082	LF 54", Class 50, Push-On Joint Ductile Iron Pipe .....	353.60	46.89
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	87.59	
	For Cement Mortar Lining (CML), Add	28.26	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	50.86	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.19	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-17.68	
	For Class 51, Add	25.27	
	For Class 52, Add	56.90	
	For Class 53, Add	154.08	
	For Class 54, Add	220.10	
	For Class 55, Add	252.66	
	For Class 56, Add	284.63	
<b>33 14 13 13-1083</b>	<b>Push-On Joint Ductile Iron 90 Degree Elbow</b> (33 14 13 13-1066)		
33 14 13 13-1084	EA 4" 90 Degree Elbow, Push-On Joint Ductile Iron .....	184.69	32.27
	For Cement Mortar Lining (CML), Add	13.58	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	24.44	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.18	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1085	EA 6" 90 Degree Elbow, Push-On Joint Ductile Iron .....	267.90	47.59
	For Cement Mortar Lining (CML), Add	19.58	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	35.24	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.68	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1086	EA 8" 90 Degree Elbow, Push-On Joint Ductile Iron .....	357.20	56.52
	For Cement Mortar Lining (CML), Add	27.15	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	48.87	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.36	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1087	EA 10" 90 Degree Elbow, Push-On Joint Ductile Iron .....	539.40	62.33
	For Cement Mortar Lining (CML), Add	41.05	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	73.89	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.79	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1088	EA 12" 90 Degree Elbow, Push-On Joint Ductile Iron .....	694.20	73.13
	For Cement Mortar Lining (CML), Add	54.31	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	97.75	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	40.73	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1089	EA 14" 90 Degree Elbow, Push-On Joint Ductile Iron .....	1,360.64	82.03
	For Cement Mortar Lining (CML), Add	119.10	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	214.39	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	89.33	
	Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-1090	EA	16" 90 Degree Elbow, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,538.37 134.46 242.03 100.85	93.78
33 14 13	13-1091	EA	18" 90 Degree Elbow, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,393.17 212.19 381.94 159.14	131.29
33 14 13	13-1092	EA	20" 90 Degree Elbow, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,694.53 236.36 425.45 177.27	165.49
33 14 13	13-1093	EA	24" 90 Degree Elbow, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,364.57 295.09 531.16 221.32	206.88
<b>33 14 13 13-1094 Push-On Joint Ductile Iron 45 Degree Elbow (33 14 13 13-1066)</b>					
33 14 13	13-1095	EA	4" 45 Degree Elbow, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	153.81 10.49 18.88 7.87	32.27
33 14 13	13-1096	EA	6" 45 Degree Elbow, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	226.38 15.42 27.76 11.57	47.59
33 14 13	13-1097	EA	8" 45 Degree Elbow, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	312.53 22.69 40.83 17.01	56.52
33 14 13	13-1098	EA	10" 45 Degree Elbow, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	477.71 34.88 62.78 26.16	62.33
33 14 13	13-1099	EA	12" 45 Degree Elbow, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	615.62 46.45 83.61 34.84	73.13
33 14 13	13-1100	EA	14" 45 Degree Elbow, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	869.91 70.03 126.05 52.52	82.03
33 14 13	13-1101	EA	16" 45 Degree Elbow, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,281.41 108.77 195.78 81.57	93.78
33 14 13	13-1102	EA	18" 45 Degree Elbow, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,479.05 120.78 217.40 90.58	131.29

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 13-1103	EA	20" 45 Degree Elbow, Push-On Joint Ductile Iron.....	2,068.67		165.49
		For Cement Mortar Lining (CML), Add	173.77		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	312.79		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	130.33		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1104	EA	24" 45 Degree Elbow, Push-On Joint Ductile Iron.....	2,567.44		206.88
		For Cement Mortar Lining (CML), Add	215.38		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	387.68		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	161.53		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1105		<b>Push-On Joint Ductile Iron Tee (33 14 13 13-1066)</b>			
33 14 13 13-1106	EA	4" Tee, Push-On Joint Ductile Iron.....	282.12		47.59
		For Cement Mortar Lining (CML), Add	21.00		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	37.79		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.75		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1107	EA	6" Tee, Push-On Joint Ductile Iron.....	393.33		69.94
		For Cement Mortar Lining (CML), Add	28.73		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	51.72		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.55		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1108	EA	8" Tee, Push-On Joint Ductile Iron.....	535.88		84.78
		For Cement Mortar Lining (CML), Add	40.73		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	73.32		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.55		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1109	EA	10" Tee, Push-On Joint Ductile Iron.....	783.03		94.73
		For Cement Mortar Lining (CML), Add	64.09		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	115.37		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.07		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1110	EA	12" Tee, Push-On Joint Ductile Iron.....	974.04		109.22
		For Cement Mortar Lining (CML), Add	80.83		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	145.49		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	60.62		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1111	EA	14" Tee, Push-On Joint Ductile Iron.....	1,562.34		131.29
		For Cement Mortar Lining (CML), Add	136.34		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	245.41		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	102.26		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1112	EA	16" Tee, Push-On Joint Ductile Iron.....	2,254.60		164.16
		For Cement Mortar Lining (CML), Add	200.59		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	361.07		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	150.45		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1113	EA	18" Tee, Push-On Joint Ductile Iron.....	2,835.61		219.01
		For Cement Mortar Lining (CML), Add	250.38		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	450.68		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	187.78		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1114	EA	20" Tee, Push-On Joint Ductile Iron.....	3,342.81		267.22
		For Cement Mortar Lining (CML), Add	293.80		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	528.83		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	220.35		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1115	EA	24" Tee, Push-On Joint Ductile Iron.....	4,376.00		334.00
		For Cement Mortar Lining (CML), Add	387.00		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	696.59		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	290.25		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1116		<b>Flanged End x Push-On Joint Ductile Iron Adapters (33 14 13 13-1066)</b>			



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1117	EA		4" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	317.73 14.81 26.67 11.11	111.93
33 14 13 13-1118	EA		6" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	389.54 17.96 32.32 13.47	138.59
33 14 13 13-1119	EA		8" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	503.08 25.81 46.46 19.36	161.64
33 14 13 13-1120	EA		10" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	691.92 33.67 60.60 25.25	234.45
33 14 13 13-1121	EA		12" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	832.45 42.65 76.76 31.99	267.98
33 14 13 13-1122	EA		14" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	953.46 51.63 92.93 38.72	288.54
33 14 13 13-1123	EA		16" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,124.56 65.09 117.17 48.82	312.60
33 14 13 13-1124	EA		18" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,331.52 76.32 137.37 57.24	375.12
33 14 13 13-1125	EA		20" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,540.57 90.91 163.63 68.18	416.80
33 14 13 13-1126	EA		24" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,918.31 118.96 214.14 89.22	480.93
33 14 13 13-1127	EA		30" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,009.46 213.51 384.31 160.13	577.08
33 14 13 13-1128	EA		36" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,139.38 304.64 548.35 228.48	721.34
33 14 13 13-1129	EA		42" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,207.69 394.47 710.04 295.85	833.59

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1130	EA		48" Flanged End x Push-On Joint Adapter, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,649.10 502.52 904.54 376.89	1,071.74
33 14 13 13-1131	EA		54" Flanged End x Push-On Joint Adapter, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,062.31 616.73 1,110.11 462.54	1,250.68
<b>33 14 13 13-1132</b>			<b>Push-On Joint Ductile Iron Pipe And Fitting Restraints</b> (33 14 13 13-1066) <i>Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.</i>		
33 14 13 13-1133	EA		4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron.....	38.93	17.42
33 14 13 13-1134	EA		6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron.....	51.42	22.74
33 14 13 13-1135	EA		8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron.....	67.04	23.18
33 14 13 13-1136	EA		10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron.....	78.51	24.62
33 14 13 13-1137	EA		12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron.....	92.85	27.35
33 14 13 13-1138	EA		14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron.....	116.17	30.77
33 14 13 13-1139	EA		16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron.....	136.72	35.16
33 14 13 13-1140	EA		18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron.....	153.67	38.10
33 14 13 13-1141	EA		20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron.....	179.55	45.71
33 14 13 13-1142	EA		24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron.....	213.73	47.48
33 14 13 13-1143	EA		30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron.....	271.97	52.76
33 14 13 13-1144	EA		36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron.....	351.81	57.14
33 14 13 13-1145	EA		42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron.....	432.30	62.52
33 14 13 13-1146	EA		48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron.....	509.18	70.33
33 14 13 13-1147	EA		54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron.....	698.17	76.27
<b>33 14 13 13-1148</b>			<b>Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series)</b> (33 14 13 13-1066)		
33 14 13 13-1149	EA		4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400).....	198.93	63.94
33 14 13 13-1150	EA		6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600).....	261.85	78.06
33 14 13 13-1151	EA		8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800).....	336.66	95.20
33 14 13 13-1152	EA		10" Bell Restraint Harness, Ductile Iron (MEGALUG® 17100).....	504.90	116.14
33 14 13 13-1153	EA		12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200).....	626.02	141.62
33 14 13 13-1154	EA		14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400).....	1,072.79	172.78
33 14 13 13-1155	EA		16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600).....	1,225.98	210.87
33 14 13 13-1156	EA		18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800).....	1,393.39	257.18
33 14 13 13-1157	EA		20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000).....	1,890.83	313.83
33 14 13 13-1158	EA		24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400).....	2,410.11	382.80
33 14 13 13-1159	EA		30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000).....	4,142.31	467.10
33 14 13 13-1160	EA		36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600).....	5,868.98	569.78
33 14 13 13-1161	EA		42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200).....	10,630.40	695.20
33 14 13 13-1162	EA		48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800).....	13,747.83	848.09
<b>33 14 13 13-1163</b>			<b>Ductile Iron Pipe Repair</b> (33 14 13 13-0001) <i>See CSI section 33 14 13 13-0002 for mechanical joint fittings.</i>		
<b>33 14 13 13-1164</b>			<b>WEKO Seals</b> (33 14 13 13-1163) <i>Note: Internal joint seal.</i>		
33 14 13 13-1165	EA		16" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	1,581.94 83.44	177.37
33 14 13 13-1166	EA		18" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	1,685.22 84.19	187.29
33 14 13 13-1167	EA		20" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	1,788.34 84.94	197.22
33 14 13 13-1168	EA		24" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	1,894.98 86.14	212.98
33 14 13 13-1169	EA		30" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	1,956.91 87.33	228.76
33 14 13 13-1170	EA		36" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	2,053.88 88.82	248.49
33 14 13 13-1171	EA		42" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	2,190.38 90.62	272.15
33 14 13 13-1172	EA		48" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	2,365.64 92.11	291.88
33 14 13 13-1173	EA		54" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	2,454.41 93.31	307.64
<b>33 14 13 23</b>			<b>Plastic Public Water Utility Distribution Piping</b> (33 14 13)		
<b>33 14 13 23-0001</b>			<b>Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping</b> (33 14 13 23)		
<b>33 14 13 23-0002</b>			<b>Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe</b> (33 14 13 23-0001)		
33 14 13 23-0003	LF		3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	2.06 -0.10 0.04	0.73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0004	LF		1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For &gt;1,000, Deduct</i>	2.26 -0.11	0.78
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.05	
33 14 13 23-0005	LF		1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For &gt;1,000, Deduct</i>	2.63 -0.13	0.85
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.08	
33 14 13 23-0006	LF		1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For &gt;1,000, Deduct</i>	3.03 -0.15	0.94
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.10	
33 14 13 23-0007	LF		2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For &gt;1,000, Deduct</i>	3.89 -0.19	1.06
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.19	
33 14 13 23-0008	LF		2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For &gt;1,000, Deduct</i>	4.99 -0.25	1.20
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.30	
33 14 13 23-0009	LF		3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For &gt;1,000, Deduct</i>	6.08 -0.30	1.34
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.41	
33 14 13 23-0010	LF		4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For &gt;1,000, Deduct</i>	8.59 -0.43	1.66
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.67	
33 14 13 23-0011	LF		6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For &gt;1,000, Deduct</i>	14.97 -0.75	2.10
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	1.46	
33 14 13 23-0012	LF		8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For &gt;1,000, Deduct</i>	23.74 -1.19	2.92
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	2.47	
33 14 13 23-0013	LF		10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For &gt;1,000, Deduct</i>	35.33 -1.77	3.90
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	3.84	
33 14 13 23-0014	LF		12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For &gt;1,000, Deduct</i>	49.16 -2.46	5.24
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	5.41	
<b>33 14 13 23-0015</b>			<b>90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)</b>		
33 14 13 23-0016	EA		3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	22.05	8.71
33 14 13 23-0017	EA		1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	27.85	10.89
33 14 13 23-0018	EA		1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	35.07	13.61
33 14 13 23-0019	EA		1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	51.83	15.06
33 14 13 23-0020	EA		2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	56.18	16.88
33 14 13 23-0021	EA		2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	66.37	19.15
33 14 13 23-0022	EA		3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	74.52	21.53
33 14 13 23-0023	EA		4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	102.85	26.44
33 14 13 23-0024	EA		6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	147.34	33.59
33 14 13 23-0025	EA		8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	236.79	44.10
33 14 13 23-0026	EA		10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	292.01	59.00
33 14 13 23-0027	EA		12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	386.25	79.42
<b>33 14 13 23-0028</b>			<b>45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)</b>		
33 14 13 23-0029	EA		3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	22.43	8.71
33 14 13 23-0030	EA		1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	28.12	10.89
33 14 13 23-0031	EA		1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	35.23	13.61
33 14 13 23-0032	EA		1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	46.86	15.06
33 14 13 23-0033	EA		2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	56.64	16.88
33 14 13 23-0034	EA		2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	68.24	19.15
33 14 13 23-0035	EA		3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	73.73	21.53
33 14 13 23-0036	EA		4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	101.14	26.44
33 14 13 23-0037	EA		6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	143.89	33.59
33 14 13 23-0038	EA		8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	230.21	44.10
33 14 13 23-0039	EA		10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	264.76	59.00
33 14 13 23-0040	EA		12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	348.54	79.42
<b>33 14 13 23-0041</b>			<b>Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)</b>		
33 14 13 23-0042	EA		3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	33.05	13.07
33 14 13 23-0043	EA		1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	41.71	16.42
33 14 13 23-0044	EA		1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	52.28	20.51
33 14 13 23-0045	EA		1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	71.63	22.69
33 14 13 23-0046	EA		2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	81.44	25.23
33 14 13 23-0047	EA		2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	94.70	28.77
33 14 13 23-0048	EA		3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	113.90	32.21
33 14 13 23-0049	EA		4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	149.22	39.70
33 14 13 23-0050	EA		6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	244.80	50.48
33 14 13 23-0051	EA		8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	365.31	66.15
33 14 13 23-0052	EA		10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	435.59	93.56
33 14 13 23-0053	EA		12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	546.32	125.90
<b>33 14 13 23-0054</b>			<b>Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)</b>		
33 14 13 23-0055	EA		3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	14.76	5.81
33 14 13 23-0056	EA		1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	19.92	7.81
33 14 13 23-0057	EA		1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	26.57	10.25
33 14 13 23-0058	EA		1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	36.61	11.35
33 14 13 23-0059	EA		2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	40.39	12.62

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 23-0060	EA	2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	.....	45.94	14.34
33 14 13 23-0061	EA	3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	.....	52.81	16.11
33 14 13 23-0062	EA	4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	.....	72.10	19.81
33 14 13 23-0063	EA	6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	.....	102.58	25.24
33 14 13 23-0064	EA	8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	.....	172.75	33.07
33 14 13 23-0065	EA	10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	.....	207.11	46.83
33 14 13 23-0066	EA	12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	.....	264.53	62.95
<b>33 14 13 23-0067</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings</b> (33 14 13 23)			
<b>33 14 13 23-0068</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) Pipe</b> (33 14 13 23-0067)			
33 14 13 23-0069	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	.....	2.25	0.73
		For >1,000, Deduct	.....	-0.11	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	.....	0.06	
33 14 13 23-0070	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	.....	2.63	0.78
		For >1,000, Deduct	.....	-0.13	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	.....	0.10	
33 14 13 23-0071	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	.....	3.37	0.94
		For >1,000, Deduct	.....	-0.17	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	.....	0.15	
33 14 13 23-0072	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	.....	4.02	1.06
		For >1,000, Deduct	.....	-0.20	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	.....	0.21	
33 14 13 23-0073	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	.....	5.19	1.20
		For >1,000, Deduct	.....	-0.26	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	.....	0.33	
33 14 13 23-0074	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	.....	6.21	1.34
		For >1,000, Deduct	.....	-0.31	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	.....	0.43	
33 14 13 23-0075	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	.....	8.24	1.66
		For >1,000, Deduct	.....	-0.41	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	.....	0.62	
33 14 13 23-0076	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	.....	12.43	2.10
		For >1,000, Deduct	.....	-0.62	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	.....	1.08	
<b>33 14 13 23-0077</b>		<b>90 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0067)			
33 14 13 23-0078	EA	3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	.....	22.19	8.71
33 14 13 23-0079	EA	1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	.....	27.93	10.89
33 14 13 23-0080	EA	1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	.....	38.85	15.06
33 14 13 23-0081	EA	2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	.....	43.85	16.88
33 14 13 23-0082	EA	2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	.....	52.51	19.15
33 14 13 23-0083	EA	3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	.....	59.36	21.53
33 14 13 23-0084	EA	4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	.....	77.48	26.44
33 14 13 23-0085	EA	6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	.....	120.17	33.59
<b>33 14 13 23-0086</b>		<b>45 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0067)			
33 14 13 23-0087	EA	3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	.....	22.16	8.71
33 14 13 23-0088	EA	1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	.....	27.90	10.89
33 14 13 23-0089	EA	1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	.....	38.86	15.06
33 14 13 23-0090	EA	2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	.....	43.72	16.88
33 14 13 23-0091	EA	2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	.....	52.16	19.15
33 14 13 23-0092	EA	3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	.....	58.95	21.53
33 14 13 23-0093	EA	4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	.....	76.64	26.44
33 14 13 23-0094	EA	6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	.....	117.50	33.59
<b>33 14 13 23-0095</b>		<b>Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0067)			
33 14 13 23-0096	EA	3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	.....	33.19	13.07
33 14 13 23-0097	EA	1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	.....	41.82	16.42
33 14 13 23-0098	EA	1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	.....	58.10	22.69
33 14 13 23-0099	EA	2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	.....	65.31	25.23
33 14 13 23-0100	EA	2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	.....	78.97	28.77
33 14 13 23-0101	EA	3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	.....	90.75	32.21
33 14 13 23-0102	EA	4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	.....	112.81	39.70
33 14 13 23-0103	EA	6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	.....	182.81	50.48
<b>33 14 13 23-0104</b>		<b>Couplings, Schedule 40 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0067)			
33 14 13 23-0105	EA	3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	.....	14.83	5.81
33 14 13 23-0106	EA	1" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	.....	19.97	7.81
33 14 13 23-0107	EA	1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	.....	28.97	11.35
33 14 13 23-0108	EA	2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	.....	32.65	12.62
33 14 13 23-0109	EA	2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	.....	38.25	14.34
33 14 13 23-0110	EA	3" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	.....	43.90	16.11
33 14 13 23-0111	EA	4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	.....	54.36	19.81
33 14 13 23-0112	EA	6" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	.....	79.51	25.24
<b>33 14 13 23-0113</b>		<b>Crosses, Schedule 40 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0067)			
33 14 13 23-0114	EA	3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	.....	44.38	17.43
33 14 13 23-0115	EA	1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	.....	55.69	21.87
33 14 13 23-0116	EA	1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	.....	77.46	30.22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0117	EA		2" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	87.08	33.67
33 14 13 23-0118	EA		2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	105.25	38.30
33 14 13 23-0119	EA		3" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	120.95	42.98
33 14 13 23-0120	EA		4" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	150.33	52.88
33 14 13 23-0121	EA		6" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	243.42	67.27
<b>33 14 13 23-0122</b>			<b>Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings</b> (33 14 13 23)		
<b>33 14 13 23-0123</b>			<b>Schedule 80 Polyvinyl Chloride (PVC) Pipe</b> (33 14 13 23-0122)		
33 14 13 23-0124	LF		1" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	2.84	0.78
			<i>For &gt;1,000, Deduct</i> .....	-0.14	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i> .....	0.13	
33 14 13 23-0125	LF		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	3.79	0.94
			<i>For &gt;1,000, Deduct</i> .....	-0.19	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i> .....	0.22	
33 14 13 23-0126	LF		2" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	4.72	1.06
			<i>For &gt;1,000, Deduct</i> .....	-0.24	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i> .....	0.31	
33 14 13 23-0127	LF		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	6.10	1.20
			<i>For &gt;1,000, Deduct</i> .....	-0.31	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i> .....	0.47	
33 14 13 23-0128	LF		3" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	7.49	1.34
			<i>For &gt;1,000, Deduct</i> .....	-0.37	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i> .....	0.62	
33 14 13 23-0129	LF		4" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	10.20	1.66
			<i>For &gt;1,000, Deduct</i> .....	-0.51	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i> .....	0.91	
33 14 13 23-0130	LF		6" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	16.80	2.10
			<i>For &gt;1,000, Deduct</i> .....	-0.84	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i> .....	1.73	
<b>33 14 13 23-0131</b>			<b>90 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0122)		
33 14 13 23-0132	EA		1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC) .....	29.02	10.89
33 14 13 23-0133	EA		1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC) .....	38.85	15.06
33 14 13 23-0134	EA		2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC) .....	44.94	16.88
33 14 13 23-0135	EA		2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC) .....	54.82	19.15
33 14 13 23-0136	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	61.51	21.53
33 14 13 23-0137	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	77.99	26.44
33 14 13 23-0138	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	117.72	33.59
<b>33 14 13 23-0139</b>			<b>45 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0122)		
33 14 13 23-0140	EA		1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	33.48	10.89
33 14 13 23-0141	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	43.14	15.06
33 14 13 23-0142	EA		2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	49.06	16.88
33 14 13 23-0143	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	62.56	19.15
33 14 13 23-0144	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	71.59	21.53
33 14 13 23-0145	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	98.26	26.44
33 14 13 23-0146	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	116.37	33.59
<b>33 14 13 23-0147</b>			<b>Tees Or Wyes, Schedule 80 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0122)		
33 14 13 23-0148	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	44.10	16.42
33 14 13 23-0149	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	65.02	22.69
33 14 13 23-0150	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	73.56	25.23
33 14 13 23-0151	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	83.34	28.77
33 14 13 23-0152	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	94.93	32.21
33 14 13 23-0153	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	115.83	39.70
33 14 13 23-0154	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	182.70	50.48
<b>33 14 13 23-0155</b>			<b>Couplings, Schedule 80 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0122)		
33 14 13 23-0156	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	21.60	7.81
33 14 13 23-0157	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	31.77	11.35
33 14 13 23-0158	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	35.28	12.62
33 14 13 23-0159	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	45.01	14.34
33 14 13 23-0160	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	50.71	16.11
33 14 13 23-0161	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	62.65	19.81
33 14 13 23-0162	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	91.08	25.24
<b>33 14 13 23-0163</b>			<b>Crosses, Schedule 80 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0122)		
33 14 13 23-0164	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	58.71	21.87
33 14 13 23-0165	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	86.65	30.22
33 14 13 23-0166	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	98.04	33.67
33 14 13 23-0167	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	111.06	38.30
33 14 13 23-0168	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	126.50	42.98
33 14 13 23-0169	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	154.33	52.88
33 14 13 23-0170	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	243.27	67.27
<b>33 14 13 23-0171</b>			<b>AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe</b> (33 14 13 23)		
			Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
33 14 13 23-0172		AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0171)</small>			
33 14 13 23-0173	LF	4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	8.68		3.28
33 14 13 23-0174	LF	6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	12.25		3.98
33 14 13 23-0175	LF	8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	16.36		4.48
33 14 13 23-0176	LF	10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	21.12		4.98
33 14 13 23-0177	LF	12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	26.95		5.57
33 14 13 23-0178		AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0171)</small>			
33 14 13 23-0179	LF	4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	9.43		3.28
33 14 13 23-0180	LF	6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	13.82		3.98
33 14 13 23-0181	LF	8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	19.00		4.48
33 14 13 23-0182	LF	10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	25.22		4.98
33 14 13 23-0183	LF	12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	32.67		5.57
33 14 13 23-0184		AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0171)</small>			
33 14 13 23-0185	LF	4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	10.18		3.28
33 14 13 23-0186	LF	6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	15.37		3.98
33 14 13 23-0187	LF	8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	21.64		4.48
33 14 13 23-0188	LF	10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	29.23		4.98
33 14 13 23-0189	LF	12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	38.39		5.57
33 14 13 23-0190		AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0171)</small>			
33 14 13 23-0191	LF	18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	42.71		8.36
33 14 13 23-0192	LF	20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	51.97		9.95
33 14 13 23-0193	LF	24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	69.16		11.95
33 14 13 23-0194	LF	30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	98.62		13.94
33 14 13 23-0195	LF	36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	134.83		15.93
33 14 13 23-0196	LF	42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	169.59		16.93
33 14 13 23-0197	LF	48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	213.51		18.22
33 14 13 23-0198		AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0171)</small>			
33 14 13 23-0199	LF	14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	31.54		6.27
33 14 13 23-0200	LF	16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	39.24		6.97
33 14 13 23-0201	LF	18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	48.57		8.36
33 14 13 23-0202	LF	20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	59.57		9.95
33 14 13 23-0203	LF	24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	80.88		11.95
33 14 13 23-0204	LF	30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	115.44		13.94
33 14 13 23-0205	LF	36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	157.36		15.93
33 14 13 23-0206	LF	42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	207.04		16.93
33 14 13 23-0207	LF	48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	262.10		18.22
33 14 13 23-0208		AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0171)</small>			
33 14 13 23-0209	LF	14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	36.05		6.27
33 14 13 23-0210	LF	16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	45.49		6.97
33 14 13 23-0211	LF	18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	56.33		8.36
33 14 13 23-0212	LF	20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	69.65		9.95
33 14 13 23-0213	LF	24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	95.36		11.95
33 14 13 23-0214	LF	30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	137.18		13.94
33 14 13 23-0215	LF	36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	189.09		15.93
33 14 13 23-0216	LF	42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	244.63		16.93
33 14 13 23-0217	LF	48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	311.16		18.22
33 14 13 23-0218		AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0171)</small>			
33 14 13 23-0219	LF	14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	43.75		6.27
33 14 13 23-0220	LF	16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	54.64		6.97
33 14 13 23-0221	LF	18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	68.11		8.36
33 14 13 23-0222	LF	20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	83.87		9.95
33 14 13 23-0223	LF	24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	115.86		11.95
33 14 13 23-0224	LF	30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	169.36		13.94
33 14 13 23-0225	LF	36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	238.57		15.93
33 14 13 23-0226	LF	42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	317.20		16.93
33 14 13 23-0227	LF	48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	408.55		18.22
33 14 13 23-0228		AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0171)</small>			
33 14 13 23-0229	LF	14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	49.54		6.27
33 14 13 23-0230	LF	16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	62.17		6.97
33 14 13 23-0231	LF	18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	77.61		8.36
33 14 13 23-0232	LF	20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	95.70		9.95
33 14 13 23-0233	LF	24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	132.88		11.95
33 14 13 23-0234	LF	30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	195.54		13.94
33 14 13 23-0235	LF	36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	276.81		15.93
33 14 13 23-0236	LF	42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	369.61		16.93
33 14 13 23-0237		AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0171)</small>			
33 14 13 23-0238	LF	14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	55.18		6.27

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0239	LF		16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	69.49	6.97
33 14 13 23-0240	LF		18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	86.84	8.36
33 14 13 23-0241	LF		20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	107.21	9.95
33 14 13 23-0242	LF		24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	149.43	11.95
33 14 13 23-0243	LF		30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	221.01	13.94
33 14 13 23-0244	LF		36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	314.02	15.93
<b>33 14 13 23-0245</b>			<b>AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings (33 14 13 23)</b>		
			Note: Includes rubber gaskets.		
<b>33 14 13 23-0246</b>			<b>90 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0245)</b>		
33 14 13 23-0247	EA		4" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	123.09	10.89
			For DR 25, Deduct .....	-6.08	
33 14 13 23-0248	EA		6" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	245.66	12.25
			For DR 25, Deduct .....	-13.27	
33 14 13 23-0249	EA		8" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	365.97	13.61
			For DR 25, Deduct .....	-20.32	
33 14 13 23-0250	EA		10" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	559.88	21.87
			For DR 25, Deduct .....	-30.97	
33 14 13 23-0251	EA		12" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	733.77	36.44
			For DR 25, Deduct .....	-39.66	
33 14 13 23-0252	EA		14" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,096.02	45.55
			For DR 25, Deduct .....	-60.30	
33 14 13 23-0253	EA		16" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,308.18	54.66
			For DR 25, Deduct .....	-71.93	
33 14 13 23-0254	EA		18" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,231.25	72.88
			For DR 25, Deduct .....	-125.13	
33 14 13 23-0255	EA		20" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,747.64	91.10
			For DR 25, Deduct .....	-153.93	
33 14 13 23-0256	EA		24" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,542.78	122.98
			For DR 25, Deduct .....	-257.81	
<b>33 14 13 23-0257</b>			<b>45 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0245)</b>		
33 14 13 23-0258	EA		4" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	109.86	10.89
			For DR 25, Deduct .....	-5.29	
33 14 13 23-0259	EA		6" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	185.66	12.25
			For DR 25, Deduct .....	-9.67	
33 14 13 23-0260	EA		8" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	234.06	13.61
			For DR 25, Deduct .....	-12.41	
33 14 13 23-0261	EA		10" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	333.03	21.87
			For DR 25, Deduct .....	-17.36	
33 14 13 23-0262	EA		12" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	449.93	36.44
			For DR 25, Deduct .....	-22.62	
33 14 13 23-0263	EA		14" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	849.14	45.55
			For DR 25, Deduct .....	-45.48	
33 14 13 23-0264	EA		16" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,074.27	54.66
			For DR 25, Deduct .....	-57.90	
33 14 13 23-0265	EA		18" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,840.17	72.88
			For DR 25, Deduct .....	-101.66	
33 14 13 23-0266	EA		20" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,285.96	91.10
			For DR 25, Deduct .....	-126.23	
33 14 13 23-0267	EA		24" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,222.33	122.98
			For DR 25, Deduct .....	-178.58	
<b>33 14 13 23-0268</b>			<b>22-1/2 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0245)</b>		
33 14 13 23-0269	EA		4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	108.26	10.89
			For DR 25, Deduct .....	-5.19	
33 14 13 23-0270	EA		6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	185.66	12.25
			For DR 25, Deduct .....	-9.67	
33 14 13 23-0271	EA		8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	234.06	13.61
			For DR 25, Deduct .....	-12.41	
33 14 13 23-0272	EA		10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	333.05	21.87
			For DR 25, Deduct .....	-17.36	
33 14 13 23-0273	EA		12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	449.94	36.44
			For DR 25, Deduct .....	-22.62	
33 14 13 23-0274	EA		14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	845.47	43.73
			For DR 25, Deduct .....	-45.48	
33 14 13 23-0275	EA		16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,074.25	54.66
			For DR 25, Deduct .....	-57.90	
33 14 13 23-0276	EA		18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,840.17	72.88
			For DR 25, Deduct .....	-101.66	
33 14 13 23-0277	EA		20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,285.96	91.10
			For DR 25, Deduct .....	-126.23	
33 14 13 23-0278	EA		24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,222.33	122.98
			For DR 25, Deduct .....	-178.58	
<b>33 14 13 23-0279</b>			<b>11-1/4 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0245)</b>		
33 14 13 23-0280	EA		4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	96.41	10.89
			For DR 25, Deduct .....	-4.48	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0281	EA	6"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	185.66	12.25
			<i>For DR 25, Deduct</i>	-9.67	
33 14 13 23-0282	EA	8"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	234.06	13.61
			<i>For DR 25, Deduct</i>	-12.41	
33 14 13 23-0283	EA	10"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	333.05	21.87
			<i>For DR 25, Deduct</i>	-17.36	
33 14 13 23-0284	EA	12"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	449.94	36.44
			<i>For DR 25, Deduct</i>	-22.62	
33 14 13 23-0285	EA	14"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	845.47	43.73
			<i>For DR 25, Deduct</i>	-45.48	
33 14 13 23-0286	EA	16"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,074.25	54.66
			<i>For DR 25, Deduct</i>	-57.90	
33 14 13 23-0287	EA	18"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,840.17	72.88
			<i>For DR 25, Deduct</i>	-101.66	
33 14 13 23-0288	EA	20"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,285.96	91.10
			<i>For DR 25, Deduct</i>	-126.23	
33 14 13 23-0289	EA	24"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,222.33	122.98
			<i>For DR 25, Deduct</i>	-178.58	
<b>33 14 13 23-0290</b>			<b>Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b>		
			<small>(33 14 13 23-0245)</small>		
33 14 13 23-0291	EA	4"	Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	145.85	12.25
			<i>For DR 25, Deduct</i>	-7.28	
33 14 13 23-0292	EA	6"	Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	275.32	13.61
			<i>For DR 25, Deduct</i>	-14.89	
33 14 13 23-0293	EA	8"	Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	381.93	15.43
			<i>For DR 25, Deduct</i>	-21.06	
33 14 13 23-0294	EA	10"	Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	785.04	27.33
			<i>For DR 25, Deduct</i>	-43.82	
33 14 13 23-0295	EA	12"	Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	972.02	54.66
			<i>For DR 25, Deduct</i>	-51.76	
33 14 13 23-0296	EA	14"	Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,735.74	68.32
			<i>For DR 25, Deduct</i>	-95.95	
33 14 13 23-0297	EA	16"	Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,148.19	81.99
			<i>For DR 25, Deduct</i>	-119.05	
33 14 13 23-0298	EA	18"	Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,714.31	109.32
			<i>For DR 25, Deduct</i>	-149.74	
33 14 13 23-0299	EA	20"	Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,263.04	136.65
			<i>For DR 25, Deduct</i>	-179.38	
33 14 13 23-0300	EA	24"	Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,415.31	92.93
			<i>For DR 25, Deduct</i>	-253.77	
<b>33 14 13 23-0301</b>			<b>Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b>		
			<small>(33 14 13 23-0245)</small>		
33 14 13 23-0302	EA	6" x 4"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	276.77	17.70
			<i>For DR 25, Deduct</i>	-14.48	
33 14 13 23-0303	EA	8" x 4"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	373.28	19.06
			<i>For DR 25, Deduct</i>	-20.11	
33 14 13 23-0304	EA	8" x 6"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	382.76	19.74
			<i>For DR 25, Deduct</i>	-20.60	
33 14 13 23-0305	EA	10" x 4"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	498.19	27.33
			<i>For DR 25, Deduct</i>	-26.61	
33 14 13 23-0306	EA	10" x 6"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	668.87	28.01
			<i>For DR 25, Deduct</i>	-36.77	
33 14 13 23-0307	EA	10" x 8"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	714.72	28.70
			<i>For DR 25, Deduct</i>	-39.44	
33 14 13 23-0308	EA	12" x 4"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	765.18	41.91
			<i>For DR 25, Deduct</i>	-40.88	
33 14 13 23-0309	EA	12" x 6"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	874.77	42.58
			<i>For DR 25, Deduct</i>	-47.38	
33 14 13 23-0310	EA	12" x 8"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	926.80	43.27
			<i>For DR 25, Deduct</i>	-50.42	
33 14 13 23-0311	EA	12" x 10"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	946.40	47.37
			<i>For DR 25, Deduct</i>	-51.10	
33 14 13 23-0312	EA	14" x 4"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,422.49	49.20
			<i>For DR 25, Deduct</i>	-79.45	
33 14 13 23-0313	EA	14" x 6"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,478.87	49.88
			<i>For DR 25, Deduct</i>	-82.75	
33 14 13 23-0314	EA	14" x 8"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,535.37	50.56
			<i>For DR 25, Deduct</i>	-86.06	
33 14 13 23-0315	EA	14" x 10"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,598.40	54.66
			<i>For DR 25, Deduct</i>	-89.34	
33 14 13 23-0316	EA	14" x 12"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,668.02	61.94
			<i>For DR 25, Deduct</i>	-92.65	
33 14 13 23-0317	EA	16" x 4"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,774.40	60.12
			<i>For DR 25, Deduct</i>	-99.25	
33 14 13 23-0318	EA	16" x 6"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,829.39	60.12
			<i>For DR 25, Deduct</i>	-102.55	
33 14 13 23-0319	EA	16" x 8"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,885.76	60.81
			<i>For DR 25, Deduct</i>	-105.85	
33 14 13 23-0320	EA	16" x 10"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,942.14	61.49
			<i>For DR 25, Deduct</i>	-109.15	
33 14 13 23-0321	EA	16" x 12"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,019.91	72.88
			<i>For DR 25, Deduct</i>	-112.45	
33 14 13 23-0322	EA	16" x 14"	Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,082.21	76.52
			<i>For DR 25, Deduct</i>	-115.75	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0323	EA		18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,195.48	78.35
			<i>For DR 25, Deduct</i>	-122.33	
33 14 13 23-0324	EA		18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,252.25	79.03
			<i>For DR 25, Deduct</i>	-125.65	
33 14 13 23-0325	EA		18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,308.62	79.71
			<i>For DR 25, Deduct</i>	-128.95	
33 14 13 23-0326	EA		18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,371.82	83.81
			<i>For DR 25, Deduct</i>	-132.25	
33 14 13 23-0327	EA		18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,441.38	91.10
			<i>For DR 25, Deduct</i>	-135.55	
33 14 13 23-0328	EA		18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,503.30	94.75
			<i>For DR 25, Deduct</i>	-138.83	
33 14 13 23-0329	EA		18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,582.54	100.21
			<i>For DR 25, Deduct</i>	-142.93	
33 14 13 23-0330	EA		20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,782.73	96.57
			<i>For DR 25, Deduct</i>	-155.38	
33 14 13 23-0331	EA		20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,878.03	97.25
			<i>For DR 25, Deduct</i>	-161.01	
33 14 13 23-0332	EA		20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,915.81	97.93
			<i>For DR 25, Deduct</i>	-163.20	
33 14 13 23-0333	EA		20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,960.47	102.03
			<i>For DR 25, Deduct</i>	-165.38	
33 14 13 23-0334	EA		20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,011.47	109.32
			<i>For DR 25, Deduct</i>	-167.57	
33 14 13 23-0335	EA		20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,077.81	112.96
			<i>For DR 25, Deduct</i>	-171.11	
33 14 13 23-0336	EA		20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,147.81	118.42
			<i>For DR 25, Deduct</i>	-174.66	
33 14 13 23-0337	EA		20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,205.42	127.54
			<i>For DR 25, Deduct</i>	-177.02	
33 14 13 23-0338	EA		24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,286.02	128.45
			<i>For DR 25, Deduct</i>	-181.75	
33 14 13 23-0339	EA		24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,326.80	129.13
			<i>For DR 25, Deduct</i>	-184.11	
33 14 13 23-0340	EA		24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,367.56	129.82
			<i>For DR 25, Deduct</i>	-186.48	
33 14 13 23-0341	EA		24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,535.98	133.92
			<i>For DR 25, Deduct</i>	-196.09	
33 14 13 23-0342	EA		24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,710.77	141.21
			<i>For DR 25, Deduct</i>	-205.70	
33 14 13 23-0343	EA		24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,878.28	144.85
			<i>For DR 25, Deduct</i>	-215.31	
33 14 13 23-0344	EA		24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,049.43	150.31
			<i>For DR 25, Deduct</i>	-224.93	
33 14 13 23-0345	EA		24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,227.88	159.43
			<i>For DR 25, Deduct</i>	-234.54	
33 14 13 23-0346	EA		24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,406.31	168.54
			<i>For DR 25, Deduct</i>	-244.15	
<b>33 14 13 23-0347</b>			<b>Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0348	EA		4" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	205.37	21.78
			<i>For DR 25, Deduct</i>	-9.71	
33 14 13 23-0349	EA		6" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	359.54	24.50
			<i>For DR 25, Deduct</i>	-18.63	
33 14 13 23-0350	EA		8" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	493.50	27.22
			<i>For DR 25, Deduct</i>	-26.34	
33 14 13 23-0351	EA		10" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,000.03	43.73
			<i>For DR 25, Deduct</i>	-54.75	
33 14 13 23-0352	EA		12" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,187.92	54.66
			<i>For DR 25, Deduct</i>	-64.72	
33 14 13 23-0353	EA		14" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,144.74	72.88
			<i>For DR 25, Deduct</i>	-119.94	
33 14 13 23-0354	EA		16" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,662.00	91.10
			<i>For DR 25, Deduct</i>	-148.80	
33 14 13 23-0355	EA		18" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,411.58	145.76
			<i>For DR 25, Deduct</i>	-187.20	
33 14 13 23-0356	EA		20" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,101.63	182.20
			<i>For DR 25, Deduct</i>	-224.23	
33 14 13 23-0357	EA		24" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,778.46	245.97
			<i>For DR 25, Deduct</i>	-317.19	
<b>33 14 13 23-0358</b>			<b>Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0359	EA		6" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	348.24	23.14
			<i>For DR 25, Deduct</i>	-18.12	
33 14 13 23-0360	EA		8" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	468.48	24.50
			<i>For DR 25, Deduct</i>	-25.17	
33 14 13 23-0361	EA		8" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	480.92	25.86
			<i>For DR 25, Deduct</i>	-25.75	
33 14 13 23-0362	EA		10" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	717.92	32.79
			<i>For DR 25, Deduct</i>	-39.14	
33 14 13 23-0363	EA		10" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	834.47	34.16
			<i>For DR 25, Deduct</i>	-45.97	
33 14 13 23-0364	EA		10" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	915.40	35.53
			<i>For DR 25, Deduct</i>	-50.66	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0365	EA		12" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	946.74	47.37
			<i>For DR 25, Deduct</i>	-51.12	
33 14 13 23-0366	EA		12" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,084.42	48.74
			<i>For DR 25, Deduct</i>	-59.22	
33 14 13 23-0367	EA		12" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,150.49	50.10
			<i>For DR 25, Deduct</i>	-63.02	
33 14 13 23-0368	EA		12" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,181.07	58.30
			<i>For DR 25, Deduct</i>	-63.87	
33 14 13 23-0369	EA		14" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,764.44	54.66
			<i>For DR 25, Deduct</i>	-99.31	
33 14 13 23-0370	EA		14" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,835.73	56.03
			<i>For DR 25, Deduct</i>	-103.42	
33 14 13 23-0371	EA		14" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,907.76	57.40
			<i>For DR 25, Deduct</i>	-107.58	
33 14 13 23-0372	EA		14" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,993.18	65.59
			<i>For DR 25, Deduct</i>	-111.72	
33 14 13 23-0373	EA		14" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,090.84	80.17
			<i>For DR 25, Deduct</i>	-115.83	
33 14 13 23-0374	EA		16" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,198.52	65.59
			<i>For DR 25, Deduct</i>	-124.04	
33 14 13 23-0375	EA		16" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,270.75	66.96
			<i>For DR 25, Deduct</i>	-128.21	
33 14 13 23-0376	EA		16" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,342.19	68.32
			<i>For DR 25, Deduct</i>	-132.33	
33 14 13 23-0377	EA		16" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,427.55	76.52
			<i>For DR 25, Deduct</i>	-136.47	
33 14 13 23-0378	EA		16" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,476.23	91.10
			<i>For DR 25, Deduct</i>	-137.64	
33 14 13 23-0379	EA		16" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,608.43	98.39
			<i>For DR 25, Deduct</i>	-144.70	
33 14 13 23-0380	EA		18" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,716.45	83.81
			<i>For DR 25, Deduct</i>	-152.93	
33 14 13 23-0381	EA		18" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,788.50	85.18
			<i>For DR 25, Deduct</i>	-157.09	
33 14 13 23-0382	EA		18" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,860.06	86.55
			<i>For DR 25, Deduct</i>	-161.22	
33 14 13 23-0383	EA		18" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,944.39	94.75
			<i>For DR 25, Deduct</i>	-165.29	
33 14 13 23-0384	EA		18" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,042.86	109.32
			<i>For DR 25, Deduct</i>	-169.45	
33 14 13 23-0385	EA		18" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,125.95	116.60
			<i>For DR 25, Deduct</i>	-173.56	
33 14 13 23-0386	EA		18" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,233.05	127.54
			<i>For DR 25, Deduct</i>	-178.68	
33 14 13 23-0387	EA		20" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,441.40	102.03
			<i>For DR 25, Deduct</i>	-194.24	
33 14 13 23-0388	EA		20" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,561.33	103.40
			<i>For DR 25, Deduct</i>	-201.27	
33 14 13 23-0389	EA		20" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,609.93	104.76
			<i>For DR 25, Deduct</i>	-204.02	
33 14 13 23-0390	EA		20" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,671.69	112.96
			<i>For DR 25, Deduct</i>	-206.75	
33 14 13 23-0391	EA		20" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,746.22	127.54
			<i>For DR 25, Deduct</i>	-209.47	
33 14 13 23-0392	EA		20" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,834.10	134.83
			<i>For DR 25, Deduct</i>	-213.87	
33 14 13 23-0393	EA		20" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,930.75	145.76
			<i>For DR 25, Deduct</i>	-218.35	
33 14 13 23-0394	EA		20" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,016.29	163.98
			<i>For DR 25, Deduct</i>	-221.30	
33 14 13 23-0395	EA		24" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,032.37	133.92
			<i>For DR 25, Deduct</i>	-225.87	
33 14 13 23-0396	EA		24" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,106.47	135.28
			<i>For DR 25, Deduct</i>	-230.15	
33 14 13 23-0397	EA		24" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,158.66	136.65
			<i>For DR 25, Deduct</i>	-233.12	
33 14 13 23-0398	EA		24" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,375.10	144.85
			<i>For DR 25, Deduct</i>	-245.12	
33 14 13 23-0399	EA		24" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,604.36	159.43
			<i>For DR 25, Deduct</i>	-257.13	
33 14 13 23-0400	EA		24" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,819.02	166.71
			<i>For DR 25, Deduct</i>	-269.14	
33 14 13 23-0401	EA		24" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,041.80	177.64
			<i>For DR 25, Deduct</i>	-281.19	
33 14 13 23-0402	EA		24" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,277.89	195.87
			<i>For DR 25, Deduct</i>	-293.17	
33 14 13 23-0403	EA		24" x 20" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,514.84	214.09
			<i>For DR 25, Deduct</i>	-305.20	
33 14 13 23-0404			<b>Couplings, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0405	EA		4" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	76.34	10.89
			<i>For DR 25, Deduct</i>	-3.27	
33 14 13 23-0406	EA		6" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	137.12	12.25
			<i>For DR 25, Deduct</i>	-6.76	
33 14 13 23-0407	EA		8" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	164.33	13.61
			<i>For DR 25, Deduct</i>	-8.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0408	EA		10" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	235.51	21.87
			<i>For DR 25, Deduct</i>	-11.51	
33 14 13 23-0409	EA		12" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	369.78	27.33
			<i>For DR 25, Deduct</i>	-18.91	
33 14 13 23-0410	EA		14" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	634.41	36.44
			<i>For DR 25, Deduct</i>	-33.69	
33 14 13 23-0411	EA		16" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	753.09	45.55
			<i>For DR 25, Deduct</i>	-39.72	
33 14 13 23-0412	EA		18" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,779.31	72.88
			<i>For DR 25, Deduct</i>	-98.01	
33 14 13 23-0413	EA		20" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,000.85	91.10
			<i>For DR 25, Deduct</i>	-109.12	
33 14 13 23-0414	EA		24" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,813.80	122.98
			<i>For DR 25, Deduct</i>	-154.07	
<b>33 14 13 23-0415 Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0245)</b>					
33 14 13 23-0416	EA		4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	92.96	10.89
			<i>For DR 25, Deduct</i>	-4.27	
33 14 13 23-0417	EA		6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	124.65	12.25
			<i>For DR 25, Deduct</i>	-6.01	
33 14 13 23-0418	EA		8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	178.52	13.61
			<i>For DR 25, Deduct</i>	-9.08	
33 14 13 23-0419	EA		10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	246.59	21.87
			<i>For DR 25, Deduct</i>	-12.17	
33 14 13 23-0420	EA		12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	396.07	36.44
			<i>For DR 25, Deduct</i>	-19.39	
33 14 13 23-0421	EA		14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,016.81	43.73
			<i>For DR 25, Deduct</i>	-55.76	
33 14 13 23-0422	EA		16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,373.48	54.66
			<i>For DR 25, Deduct</i>	-75.85	
33 14 13 23-0423	EA		18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,695.92	72.88
			<i>For DR 25, Deduct</i>	-93.01	
33 14 13 23-0424	EA		20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,028.78	91.10
			<i>For DR 25, Deduct</i>	-110.79	
33 14 13 23-0425	EA		24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,755.53	122.98
			<i>For DR 25, Deduct</i>	-150.57	
<b>33 14 13 23-0426 AWWA C906, High Density Polyethylene (HDPE) Pressure Piping (33 14 13 23)</b>					
Note: ASTM D3350 pipe, ASTM D2657 heat fusion.					
<b>33 14 13 23-0427 High Density Polyethylene (HDPE) Pressure Pipe (33 14 13 23-0426)</b>					
33 14 13 23-0428	LF		3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	6.61	2.59
			<i>For SDR 19, Add</i>	0.12	
			<i>For SDR 17, Add</i>	0.31	
			<i>For SDR 15.5, Add</i>	0.45	
			<i>For SDR 13.5, Add</i>	0.70	
			<i>For SDR 11, Add</i>	1.13	
33 14 13 23-0429	LF		4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	9.42	3.28
			<i>For SDR 26, Deduct</i>	-0.52	
			<i>For SDR 19, Add</i>	0.26	
			<i>For SDR 17, Add</i>	0.63	
			<i>For SDR 15.5, Add</i>	0.93	
			<i>For SDR 13.5, Add</i>	1.45	
			<i>For SDR 11, Add</i>	2.33	
33 14 13 23-0430	LF		6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	14.12	3.98
			<i>For SDR 26, Deduct</i>	-1.13	
			<i>For SDR 19, Add</i>	0.55	
			<i>For SDR 17, Add</i>	1.37	
			<i>For SDR 15.5, Add</i>	2.00	
			<i>For SDR 13.5, Add</i>	3.13	
			<i>For SDR 11, Add</i>	5.04	
33 14 13 23-0431	LF		8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	19.42	4.48
			<i>For SDR 26, Deduct</i>	-1.92	
			<i>For SDR 19, Add</i>	0.94	
			<i>For SDR 17, Add</i>	2.32	
			<i>For SDR 15.5, Add</i>	3.40	
			<i>For SDR 13.5, Add</i>	5.31	
			<i>For SDR 11, Add</i>	8.55	
33 14 13 23-0432	LF		10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	26.21	4.98
			<i>For SDR 26, Deduct</i>	-2.98	
			<i>For SDR 19, Add</i>	1.46	
			<i>For SDR 17, Add</i>	3.61	
			<i>For SDR 15.5, Add</i>	5.29	
			<i>For SDR 13.5, Add</i>	8.26	
			<i>For SDR 11, Add</i>	13.29	
33 14 13 23-0433	LF		12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	34.50	55.77
			<i>For SDR 26, Deduct</i>	-4.30	
			<i>For SDR 19, Add</i>	2.11	
			<i>For SDR 17, Add</i>	5.21	
			<i>For SDR 15.5, Add</i>	7.63	
			<i>For SDR 13.5, Add</i>	11.91	
			<i>For SDR 11, Add</i>	19.16	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0434	LF		14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	40.00	6.27
			<i>For SDR 26, Deduct</i>	-5.05	
			<i>For SDR 19, Add</i>	2.48	
			<i>For SDR 17, Add</i>	6.12	
			<i>For SDR 15.5, Add</i>	8.96	
			<i>For SDR 13.5, Add</i>	13.99	
			<i>For SDR 11, Add</i>	22.52	
33 14 13 23-0435	LF		16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	49.94	6.97
			<i>For SDR 26, Deduct</i>	-6.60	
			<i>For SDR 19, Add</i>	3.24	
			<i>For SDR 17, Add</i>	8.00	
			<i>For SDR 15.5, Add</i>	11.71	
			<i>For SDR 13.5, Add</i>	18.28	
			<i>For SDR 11, Add</i>	29.43	
33 14 13 23-0436	LF		18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	62.27	8.36
			<i>For SDR 26, Deduct</i>	-8.34	
			<i>For SDR 19, Add</i>	4.09	
			<i>For SDR 17, Add</i>	10.11	
			<i>For SDR 15.5, Add</i>	14.80	
			<i>For SDR 13.5, Add</i>	23.10	
			<i>For SDR 11, Add</i>	37.19	
33 14 13 23-0437	LF		20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	64.40	9.95
			<i>For SDR 26, Deduct</i>	-8.15	
			<i>For SDR 19, Add</i>	4.00	
			<i>For SDR 17, Add</i>	9.88	
			<i>For SDR 15.5, Add</i>	14.47	
			<i>For SDR 13.5, Add</i>	22.59	
			<i>For SDR 11, Add</i>	36.36	
33 14 13 23-0438	LF		24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	104.85	11.95
			<i>For SDR 26, Deduct</i>	-14.84	
			<i>For SDR 19, Add</i>	7.29	
			<i>For SDR 17, Add</i>	17.99	
			<i>For SDR 15.5, Add</i>	26.34	
			<i>For SDR 13.5, Add</i>	41.11	
			<i>For SDR 11, Add</i>	66.18	
<b>33 14 13 23-0439</b>			<b>90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping <sup>(33 14</sup></b>		
			<b>13 23-0426)</b>		
33 14 13 23-0440	EA		3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	56.41	13.61
			<i>For SDR 26, Deduct</i>	-2.85	
			<i>For SDR 19, Add</i>	1.40	
			<i>For SDR 17, Add</i>	3.46	
			<i>For SDR 15.5, Add</i>	5.07	
			<i>For SDR 13.5, Add</i>	7.91	
			<i>For SDR 11, Add</i>	12.73	
33 14 13 23-0441	EA		4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	63.93	15.13
			<i>For SDR 26, Deduct</i>	-3.40	
			<i>For SDR 19, Add</i>	1.67	
			<i>For SDR 17, Add</i>	4.12	
			<i>For SDR 15.5, Add</i>	6.04	
			<i>For SDR 13.5, Add</i>	9.42	
			<i>For SDR 11, Add</i>	15.16	
33 14 13 23-0442	EA		6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	101.18	17.29
			<i>For SDR 26, Deduct</i>	-9.05	
			<i>For SDR 19, Add</i>	4.44	
			<i>For SDR 17, Add</i>	10.97	
			<i>For SDR 15.5, Add</i>	16.06	
			<i>For SDR 13.5, Add</i>	25.06	
			<i>For SDR 11, Add</i>	40.34	
33 14 13 23-0443	EA		8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	163.68	20.19
			<i>For SDR 26, Deduct</i>	-18.91	
			<i>For SDR 19, Add</i>	9.28	
			<i>For SDR 17, Add</i>	22.92	
			<i>For SDR 15.5, Add</i>	33.57	
			<i>For SDR 13.5, Add</i>	52.39	
			<i>For SDR 11, Add</i>	84.33	
33 14 13 23-0444	EA		10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	252.84	26.96
			<i>For SDR 26, Deduct</i>	-31.56	
			<i>For SDR 19, Add</i>	15.49	
			<i>For SDR 17, Add</i>	38.25	
			<i>For SDR 15.5, Add</i>	56.02	
			<i>For SDR 13.5, Add</i>	87.44	
			<i>For SDR 11, Add</i>	140.74	
33 14 13 23-0445	EA		12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	373.08	40.34
			<i>For SDR 26, Deduct</i>	-46.21	
			<i>For SDR 19, Add</i>	22.69	
			<i>For SDR 17, Add</i>	56.02	
			<i>For SDR 15.5, Add</i>	82.04	
			<i>For SDR 13.5, Add</i>	128.05	
			<i>For SDR 11, Add</i>	206.10	
33 14 13 23-0446	EA		14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	461.98	53.84
			<i>For SDR 26, Deduct</i>	-55.09	
			<i>For SDR 19, Add</i>	27.05	
			<i>For SDR 17, Add</i>	66.78	
			<i>For SDR 15.5, Add</i>	97.80	
			<i>For SDR 13.5, Add</i>	152.65	
			<i>For SDR 11, Add</i>	245.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0447	EA		16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	601.85	80.68
			<i>For SDR 26, Deduct</i>	-65.97	
			<i>For SDR 19, Add</i>	32.39	
			<i>For SDR 17, Add</i>	79.97	
			<i>For SDR 15.5, Add</i>	117.11	
			<i>For SDR 13.5, Add</i>	182.80	
			<i>For SDR 11, Add</i>	294.23	
33 14 13 23-0448	EA		18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	762.06	90.75
			<i>For SDR 26, Deduct</i>	-89.78	
			<i>For SDR 19, Add</i>	44.08	
			<i>For SDR 17, Add</i>	108.83	
			<i>For SDR 15.5, Add</i>	159.37	
			<i>For SDR 13.5, Add</i>	248.76	
			<i>For SDR 11, Add</i>	400.40	
33 14 13 23-0449	EA		20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	1,048.71	103.00
			<i>For SDR 26, Deduct</i>	-135.00	
			<i>For SDR 19, Add</i>	66.29	
			<i>For SDR 17, Add</i>	163.65	
			<i>For SDR 15.5, Add</i>	239.66	
			<i>For SDR 13.5, Add</i>	374.08	
			<i>For SDR 11, Add</i>	602.11	
33 14 13 23-0450	EA		24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	1,346.30	121.07
			<i>For SDR 26, Deduct</i>	-180.23	
			<i>For SDR 19, Add</i>	88.49	
			<i>For SDR 17, Add</i>	218.48	
			<i>For SDR 15.5, Add</i>	319.96	
			<i>For SDR 13.5, Add</i>	499.40	
			<i>For SDR 11, Add</i>	803.82	
<b>33 14 13 23-0451 Tees, High Density Polyethylene (HDPE) Pressure Piping <small>(33 14 13 23-0426)</small></b>					
33 14 13 23-0452	EA		3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	63.01	14.25
			<i>For SDR 26, Deduct</i>	-3.73	
			<i>For SDR 19, Add</i>	1.83	
			<i>For SDR 17, Add</i>	4.52	
			<i>For SDR 15.5, Add</i>	6.63	
			<i>For SDR 13.5, Add</i>	10.34	
			<i>For SDR 11, Add</i>	16.64	
33 14 13 23-0453	EA		4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	72.35	16.14
			<i>For SDR 26, Deduct</i>	-4.39	
			<i>For SDR 19, Add</i>	2.16	
			<i>For SDR 17, Add</i>	5.33	
			<i>For SDR 15.5, Add</i>	7.80	
			<i>For SDR 13.5, Add</i>	12.17	
			<i>For SDR 11, Add</i>	19.60	
33 14 13 23-0454	EA		6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	118.49	18.63
			<i>For SDR 26, Deduct</i>	-11.49	
			<i>For SDR 19, Add</i>	5.64	
			<i>For SDR 17, Add</i>	13.92	
			<i>For SDR 15.5, Add</i>	20.39	
			<i>For SDR 13.5, Add</i>	31.83	
			<i>For SDR 11, Add</i>	51.22	
33 14 13 23-0455	EA		8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	224.94	22.01
			<i>For SDR 26, Deduct</i>	-29.14	
			<i>For SDR 19, Add</i>	14.31	
			<i>For SDR 17, Add</i>	35.32	
			<i>For SDR 15.5, Add</i>	51.73	
			<i>For SDR 13.5, Add</i>	80.74	
			<i>For SDR 11, Add</i>	129.95	
33 14 13 23-0456	EA		10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	306.24	32.31
			<i>For SDR 26, Deduct</i>	-38.39	
			<i>For SDR 19, Add</i>	18.85	
			<i>For SDR 17, Add</i>	46.53	
			<i>For SDR 15.5, Add</i>	68.15	
			<i>For SDR 13.5, Add</i>	106.36	
			<i>For SDR 11, Add</i>	171.20	
33 14 13 23-0457	EA		12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	431.19	48.47
			<i>For SDR 26, Deduct</i>	-52.41	
			<i>For SDR 19, Add</i>	25.74	
			<i>For SDR 17, Add</i>	63.54	
			<i>For SDR 15.5, Add</i>	93.05	
			<i>For SDR 13.5, Add</i>	145.23	
			<i>For SDR 11, Add</i>	233.76	
33 14 13 23-0458	EA		14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	517.92	60.54
			<i>For SDR 26, Deduct</i>	-61.66	
			<i>For SDR 19, Add</i>	30.28	
			<i>For SDR 17, Add</i>	74.75	
			<i>For SDR 15.5, Add</i>	109.47	
			<i>For SDR 13.5, Add</i>	170.86	
			<i>For SDR 11, Add</i>	275.02	
33 14 13 23-0459	EA		16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	671.89	90.75
			<i>For SDR 26, Deduct</i>	-73.23	
			<i>For SDR 19, Add</i>	35.95	
			<i>For SDR 17, Add</i>	88.77	
			<i>For SDR 15.5, Add</i>	129.99	
			<i>For SDR 13.5, Add</i>	202.90	
			<i>For SDR 11, Add</i>	326.58	

**33 Utilities**

**33 10 Water Utilities**

**33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0460	EA		18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	872.21	105.73
			<i>For SDR 26, Deduct</i>	-101.75	
			<i>For SDR 19, Add</i>	49.96	
			<i>For SDR 17, Add</i>	123.34	
			<i>For SDR 15.5, Add</i>	180.62	
			<i>For SDR 13.5, Add</i>	281.93	
			<i>For SDR 11, Add</i>	453.78	
33 14 13 23-0461	EA		20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	1,234.59	124.88
			<i>For SDR 26, Deduct</i>	-156.86	
			<i>For SDR 19, Add</i>	77.02	
			<i>For SDR 17, Add</i>	190.15	
			<i>For SDR 15.5, Add</i>	278.46	
			<i>For SDR 13.5, Add</i>	434.64	
			<i>For SDR 11, Add</i>	699.58	
33 14 13 23-0462	EA		24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	1,610.20	151.38
			<i>For SDR 26, Deduct</i>	-211.97	
			<i>For SDR 19, Add</i>	104.08	
			<i>For SDR 17, Add</i>	256.96	
			<i>For SDR 15.5, Add</i>	376.30	
			<i>For SDR 13.5, Add</i>	587.35	
			<i>For SDR 11, Add</i>	945.37	
<b>33 14 13 26</b>			<b>Galvanized Steel Public Water Utility Distribution Piping</b> <small>(33 14 13)</small>		
			See CSI section 22 11 16 00-0013 for galvanized steel pipe.		
<b>33 14 13 36</b>			<b>Steel Public Water Utility Distribution Piping</b> <small>(33 14 13)</small>		
33 14 13 36-0001			Steel Piping <small>(33 14 13 36)</small>		
33 14 13 36-0002			Welded, Plain End, Uncoated Steel Piping <small>(33 14 13 36-0001)</small>		
			Note: ASTM A252 steel pipe.		
33 14 13 36-0003			Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping <small>(33 14 13 36-0002)</small>		
33 14 13 36-0004	LF		8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe .....	103.62	24.30
			<i>For &lt;100, Add</i>	10.70	
			<i>For &gt;1,000, Deduct</i>	-5.18	
33 14 13 36-0005	LF		8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe .....	124.89	24.30
			<i>For &lt;100, Add</i>	11.77	
			<i>For &gt;1,000, Deduct</i>	-6.24	
33 14 13 36-0006	LF		10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe .....	123.81	26.50
			<i>For &lt;100, Add</i>	12.21	
			<i>For &gt;1,000, Deduct</i>	-6.19	
33 14 13 36-0007	LF		10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe .....	150.70	26.50
			<i>For &lt;100, Add</i>	13.56	
			<i>For &gt;1,000, Deduct</i>	-7.54	
33 14 13 36-0008	LF		12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe .....	150.81	27.77
			<i>For &lt;100, Add</i>	13.85	
			<i>For &gt;1,000, Deduct</i>	-7.54	
33 14 13 36-0009	LF		12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe .....	171.73	27.77
			<i>For &lt;100, Add</i>	14.90	
			<i>For &gt;1,000, Deduct</i>	-8.59	
33 14 13 36-0010	LF		14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe .....	183.36	30.70
			<i>For &lt;100, Add</i>	16.14	
			<i>For &gt;1,000, Deduct</i>	-9.17	
33 14 13 36-0011	LF		14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe .....	200.07	30.70
			<i>For &lt;100, Add</i>	16.98	
			<i>For &gt;1,000, Deduct</i>	-10.00	
33 14 13 36-0012	LF		16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe .....	194.63	32.40
			<i>For &lt;100, Add</i>	17.09	
			<i>For &gt;1,000, Deduct</i>	-9.73	
33 14 13 36-0013	LF		16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe .....	207.54	32.40
			<i>For &lt;100, Add</i>	17.74	
			<i>For &gt;1,000, Deduct</i>	-10.38	
33 14 13 36-0014	LF		18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe .....	241.99	36.44
			<i>For &lt;100, Add</i>	20.38	
			<i>For &gt;1,000, Deduct</i>	-12.10	
33 14 13 36-0015	LF		20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe .....	263.14	36.44
			<i>For &lt;100, Add</i>	21.44	
			<i>For &gt;1,000, Deduct</i>	-13.16	
33 14 13 36-0016			5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping <small>(33 14 13 36-0002)</small>		
33 14 13 36-0017	LF		12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe .....	209.25	47.81
			<i>For &lt;100, Add</i>	17.97	
			<i>For &gt;1,000, Deduct</i>	-10.46	
33 14 13 36-0018	LF		14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe .....	248.95	52.59
			<i>For &lt;100, Add</i>	20.75	
			<i>For &gt;1,000, Deduct</i>	-12.45	
33 14 13 36-0019	LF		16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe .....	276.99	54.98
			<i>For &lt;100, Add</i>	22.61	
			<i>For &gt;1,000, Deduct</i>	-13.85	
33 14 13 36-0020	LF		18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe .....	312.51	62.15
			<i>For &lt;100, Add</i>	25.49	
			<i>For &gt;1,000, Deduct</i>	-15.63	
33 14 13 36-0021	LF		18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe .....	326.85	62.15
			<i>For &lt;100, Add</i>	26.20	
			<i>For &gt;1,000, Deduct</i>	-16.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0022	LF		20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	340.11	62.15
			For <100, Add	26.87	
			For >1,000, Deduct	-17.01	
33 14 13 36-0023	LF		20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	355.41	62.15
			For <100, Add	27.63	
			For >1,000, Deduct	-17.77	
33 14 13 36-0024	LF		24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	412.12	71.72
			For <100, Add	31.88	
			For >1,000, Deduct	-20.61	
33 14 13 36-0025	LF		24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	459.44	71.72
			For <100, Add	34.24	
			For >1,000, Deduct	-22.97	
33 14 13 36-0026	LF		24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	575.59	71.72
			For <100, Add	40.05	
			For >1,000, Deduct	-28.78	
33 14 13 36-0027	LF		30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	513.07	83.66
			For <100, Add	38.80	
			For >1,000, Deduct	-25.65	
33 14 13 36-0028	LF		30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	532.43	83.66
			For <100, Add	39.77	
			For >1,000, Deduct	-26.62	
33 14 13 36-0029	LF		30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	715.02	83.66
			For <100, Add	48.90	
			For >1,000, Deduct	-35.75	
33 14 13 36-0030	LF		36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	613.45	83.66
			For <100, Add	43.82	
			For >1,000, Deduct	-30.67	
33 14 13 36-0031	LF		36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	718.93	100.40
			For <100, Add	51.72	
			For >1,000, Deduct	-35.95	
33 14 13 36-0032	LF		36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	860.54	100.40
			For <100, Add	58.80	
			For >1,000, Deduct	-43.03	
33 14 13 36-0033	LF		36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	825.17	100.40
			For <100, Add	57.04	
			For >1,000, Deduct	-41.26	
33 14 13 36-0034	LF		42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,270.04	112.35
			For <100, Add	81.03	
			For >1,000, Deduct	-63.50	
33 14 13 36-0035	LF		42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	765.04	112.35
			For <100, Add	55.78	
			For >1,000, Deduct	-38.25	
33 14 13 36-0036	LF		48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,456.72	126.69
			For <100, Add	92.56	
			For >1,000, Deduct	-72.84	
33 14 13 36-0037	LF		48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	838.91	126.69
			For <100, Add	61.67	
			For >1,000, Deduct	-41.95	
33 14 13 36-0038	LF		54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,524.50	143.42
			For <100, Add	98.76	
			For >1,000, Deduct	-76.23	
33 14 13 36-0039	LF		54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,685.82	143.42
			For <100, Add	106.83	
			For >1,000, Deduct	-84.29	
33 14 13 36-0040	LF		60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,884.13	167.33
			For <100, Add	120.50	
			For >1,000, Deduct	-94.21	
33 14 13 36-0041	LF		66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,310.54	167.33
			For <100, Add	91.82	
			For >1,000, Deduct	-65.53	
33 14 13 36-0042	LF		72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,442.07	137.87
			For <100, Add	113.47	
			For >1,000, Deduct	-72.10	
33 14 13 36-0043	LF		78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	2,737.44	137.87
			For <100, Add	178.23	
			For >1,000, Deduct	-136.87	
<b>33 14 13 36-0044</b>			<b>Flexible Couplings (Dresser Style 38)</b> <small>(33 14 13 36-0001)</small>		
33 14 13 36-0045	EA		2" Dresser Coupling For Plain End Welded Steel Pipe	105.23	24.36
33 14 13 36-0046	EA		3" Dresser Coupling For Plain End Welded Steel Pipe	154.67	46.85
33 14 13 36-0047	EA		4" Dresser Coupling For Plain End Welded Steel Pipe	205.83	61.85
33 14 13 36-0048	EA		6" Dresser Coupling For Plain End Welded Steel Pipe	328.40	93.71
33 14 13 36-0049	EA		8" Dresser Coupling For Plain End Welded Steel Pipe	430.02	118.07
33 14 13 36-0050	EA		10" Dresser Coupling For Plain End Welded Steel Pipe	589.14	142.10
33 14 13 36-0051	EA		12" Dresser Coupling For Plain End Welded Steel Pipe	699.51	178.08
33 14 13 36-0052	EA		14" Dresser Coupling For Plain End Welded Steel Pipe	753.07	178.08
33 14 13 36-0053	EA		16" Dresser Coupling For Plain End Welded Steel Pipe	795.77	203.66
33 14 13 36-0054	EA		18" Dresser Coupling For Plain End Welded Steel Pipe	871.89	217.87
33 14 13 36-0055	EA		20" Dresser Coupling For Plain End Welded Steel Pipe	950.99	246.29
33 14 13 36-0056	EA		24" Dresser Coupling For Plain End Welded Steel Pipe	1,199.26	260.50
33 14 13 36-0057	EA		30" Dresser Coupling For Plain End Welded Steel Pipe	1,437.22	284.18
33 14 13 36-0058	EA		36" Dresser Coupling For Plain End Welded Steel Pipe	1,685.14	319.70
33 14 13 36-0059	EA		42" Dresser Coupling For Plain End Welded Steel Pipe	1,945.07	359.96
33 14 13 36-0060	EA		48" Dresser Coupling For Plain End Welded Steel Pipe	2,262.66	414.43
33 14 13 36-0061	EA		54" Dresser Coupling For Plain End Welded Steel Pipe	2,509.85	473.63
33 14 13 36-0062	EA		60" Dresser Coupling For Plain End Welded Steel Pipe	2,890.91	592.04
33 14 13 36-0063	EA		66" Dresser Coupling For Plain End Welded Steel Pipe	3,332.05	719.93
33 14 13 36-0064	EA		72" Dresser Coupling For Plain End Welded Steel Pipe	3,971.68	852.54

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**33 14 13 39 Copper Public Water Utility Distribution Piping (33 14 13)****33 14 13 39-0001 Type L Copper Water Distribution Piping (33 14 13 39)**

33 14 13 39-0002	LF	1/2" Type L Copper Water Distribution Pipe.....	6.48	1.74
33 14 13 39-0003	LF	3/4" Type L Copper Water Distribution Pipe.....	8.18	1.96
33 14 13 39-0004	LF	1" Type L Copper Water Distribution Pipe.....	10.84	2.17
33 14 13 39-0005	LF	1-1/4" Type L Copper Water Distribution Pipe.....	13.57	2.61
33 14 13 39-0006	LF	1-1/2" Type L Copper Water Distribution Pipe.....	16.74	3.48
33 14 13 39-0007	LF	2" Type L Copper Water Distribution Pipe.....	24.43	4.35
33 14 13 39-0008	LF	2-1/2" Type L Copper Water Distribution Pipe.....	30.86	5.22
33 14 13 39-0009	LF	3" Type L Copper Water Distribution Pipe.....	38.76	5.74
33 14 13 39-0010	LF	3-1/2" Type L Copper Water Distribution Pipe.....	52.08	7.22
33 14 13 39-0011	LF	4" Type L Copper Water Distribution Pipe.....	68.80	9.13
33 14 13 39-0012	LF	5" Type L Copper Water Distribution Pipe.....	111.04	11.40
33 14 13 39-0013	LF	6" Type L Copper Water Distribution Pipe.....	143.50	13.74
33 14 13 39-0014	LF	8" Type L Copper Water Distribution Pipe.....	247.74	15.39

**33 14 13 39-0015 Type K Copper Water Distribution Piping (33 14 13 39)**

33 14 13 39-0016	LF	1/2" Type K Copper Water Distribution Pipe.....	6.91	1.74
33 14 13 39-0017	LF	3/4" Type K Copper Water Distribution Pipe.....	9.69	1.96
33 14 13 39-0018	LF	1" Type K Copper Water Distribution Pipe.....	12.34	2.17
33 14 13 39-0019	LF	1-1/4" Type K Copper Water Distribution Pipe.....	14.50	2.61
33 14 13 39-0020	LF	1-1/2" Type K Copper Water Distribution Pipe.....	18.11	3.48
33 14 13 39-0021	LF	2" Type K Copper Water Distribution Pipe.....	26.28	4.35
33 14 13 39-0022	LF	2-1/2" Type K Copper Water Distribution Pipe.....	35.99	5.22
33 14 13 39-0023	LF	3" Type K Copper Water Distribution Pipe.....	46.44	5.74
33 14 13 39-0024	LF	3-1/2" Type K Copper Water Distribution Pipe.....	61.11	7.22
33 14 13 39-0025	LF	4" Type K Copper Water Distribution Pipe.....	82.50	9.13
33 14 13 39-0026	LF	5" Type K Copper Water Distribution Pipe.....	139.38	11.40
33 14 13 39-0027	LF	6" Type K Copper Water Distribution Pipe.....	194.48	13.74
33 14 13 39-0028	LF	8" Type K Copper Water Distribution Pipe.....	341.82	15.39

**33 14 13 43 Public Water Utility Distribution Piping Coatings and Wraps (33 14 13)****33 14 13 43-0001 Pipe Coatings (33 14 13 43)****33 14 13 43-0002 Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating (33 14 13 43-0001)**

Note: Applied at fabrication shop.

33 14 13 43-0003	LF	8" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	2.29	
33 14 13 43-0004	LF	10" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	2.73	
33 14 13 43-0005	LF	12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	3.22	
33 14 13 43-0006	LF	14" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	4.28	
33 14 13 43-0007	LF	16" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	4.88	
33 14 13 43-0008	LF	18" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	5.13	
33 14 13 43-0009	LF	20" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	5.53	
33 14 13 43-0010	LF	24" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	6.44	
33 14 13 43-0011	LF	30" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	8.45	
33 14 13 43-0012	LF	36" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	13.36	

**33 14 13 43-0013 Cement Coating With Fiberglass Or Wire Mesh Reinforcing (33 14 13 43-0001)**

Note: Applied at fabrication shop. Thickness ranging between 1" and 2".

33 14 13 43-0014	LF	4" Diameter Cement Coated Pipe 1" To 2" Mesh.....	6.70	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0015	LF	6" Diameter Cement Coated Pipe 1" To 2" Mesh.....	8.25	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0016	LF	8" Diameter Cement Coated Pipe 1" To 2" Mesh.....	10.31	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0017	LF	10" Diameter Cement Coated Pipe 1" To 2" Mesh.....	11.49	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0018	LF	12" Diameter Cement Coated Pipe 1" To 2" Mesh.....	12.97	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0019	LF	14" Diameter Cement Coated Pipe 1" To 2" Mesh.....	15.18	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0020	LF	16" Diameter Cement Coated Pipe 1" To 2" Mesh.....	17.25	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0021	LF	18" Diameter Cement Coated Pipe 1" To 2" Mesh.....	19.46	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0022	LF	20" Diameter Cement Coated Pipe 1" To 2" Mesh.....	21.63	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0023	LF	24" Diameter Cement Coated Pipe 1" To 2" Mesh.....	25.94	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0024	LF	30" Diameter Cement Coated Pipe 1" To 2" Mesh.....	32.43	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0025	LF	36" Diameter Cement Coated Pipe 1" To 2" Mesh.....	38.92	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0026	LF	42" Diameter Cement Coated Pipe 1" To 2" Mesh.....	25.10	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0027	LF	48" Diameter Cement Coated Pipe 1" To 2" Mesh.....	28.68	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0028	LF	54" Diameter Cement Coated Pipe 1" To 2" Mesh.....	32.27	
Note: Reinforcing applied at fabrication shop.				



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 43-0029	LF	60" Diameter Cement Coated Pipe 1" To 2" Mesh.....	35.85	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0030	LF	66" Diameter Cement Coated Pipe 1" To 2" Mesh.....	39.44	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0031	LF	72" Diameter Cement Coated Pipe 1" To 2" Mesh.....	43.02	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0032	LF	78" Diameter Cement Coated Pipe 1" To 2" Mesh.....	46.61	
		Note: Reinforcing applied at fabrication shop.		

**33 14 13 43-0033 Pipe Lining** (33 14 13 43)

**33 14 13 43-0034 Cement Pipe Lining** (33 14 13 43-0033)

Note: Shop applied.

33 14 13 43-0035	LF	4" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	11.26	
		<i>For 1/2" Thick, Add</i>	<i>0.89</i>	
33 14 13 43-0036	LF	6" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	14.00	
		<i>For 1/2" Thick, Add</i>	<i>1.10</i>	
33 14 13 43-0037	LF	8" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	17.06	
		<i>For 1/2" Thick, Add</i>	<i>1.37</i>	
33 14 13 43-0038	LF	10" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	22.18	
		<i>For 1/2" Thick, Add</i>	<i>1.72</i>	
33 14 13 43-0039	LF	12" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	27.33	
		<i>For 1/2" Thick, Add</i>	<i>2.07</i>	
33 14 13 43-0040	LF	14" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	35.03	
		<i>For 1/2" Thick, Add</i>	<i>2.42</i>	
33 14 13 43-0041	LF	16" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	45.60	
		<i>For 1/2" Thick, Add</i>	<i>2.75</i>	
33 14 13 43-0042	LF	18" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	54.57	
		<i>For 1/2" Thick, Add</i>	<i>2.64</i>	
33 14 13 43-0043	LF	20" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	66.07	
		<i>For 1/2" Thick, Add</i>	<i>2.93</i>	
33 14 13 43-0044	LF	24" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	80.13	
		<i>For 1/2" Thick, Add</i>	<i>3.51</i>	
33 14 13 43-0045	LF	30" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	96.34	
		<i>For 1/2" Thick, Add</i>	<i>4.39</i>	
33 14 13 43-0046	LF	36" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	115.95	
		<i>For 1/2" Thick, Add</i>	<i>5.27</i>	
33 14 13 43-0047	LF	42" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	135.30	
		<i>For 1/2" Thick, Add</i>	<i>4.52</i>	
33 14 13 43-0048	LF	48" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	154.57	
		<i>For 1/2" Thick, Add</i>	<i>5.17</i>	
33 14 13 43-0049	LF	54" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	173.93	
		<i>For 1/2" Thick, Add</i>	<i>5.81</i>	
33 14 13 43-0050	LF	60" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	193.28	
		<i>For 1/2" Thick, Add</i>	<i>6.46</i>	
33 14 13 43-0051	LF	66" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	212.54	
		<i>For 1/2" Thick, Add</i>	<i>3.79</i>	
33 14 13 43-0052	LF	72" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	231.90	
		<i>For 1/2" Thick, Add</i>	<i>4.13</i>	
33 14 13 43-0053	LF	78" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	251.25	
		<i>For 1/2" Thick, Add</i>	<i>4.48</i>	

**33 14 13 43-0054 Cement Fitting Lining** (33 14 13 43-0033)

Note: Shop applied.

33 14 13 43-0055	EA	4" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	11.26	
		<i>For 1/2" Thick, Add</i>	<i>0.89</i>	
33 14 13 43-0056	EA	6" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	14.00	
		<i>For 1/2" Thick, Add</i>	<i>1.10</i>	
33 14 13 43-0057	EA	8" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	21.68	
		<i>For 1/2" Thick, Add</i>	<i>1.79</i>	
33 14 13 43-0058	EA	10" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	35.84	
		<i>For 1/2" Thick, Add</i>	<i>2.75</i>	
33 14 13 43-0059	EA	12" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	54.64	
		<i>For 1/2" Thick, Add</i>	<i>4.13</i>	
33 14 13 43-0060	EA	14" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	81.33	
		<i>For 1/2" Thick, Add</i>	<i>5.56</i>	
33 14 13 43-0061	EA	16" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	120.67	
		<i>For 1/2" Thick, Add</i>	<i>7.15</i>	
33 14 13 43-0062	EA	18" Outside Diameter, 5/16" Thick Cement Fittings Lining.....	163.73	
		<i>For 1/2" Thick, Add</i>	<i>7.91</i>	
33 14 13 43-0063	EA	20" Outside Diameter, 5/16" Thick Cement Fitting Lining.....	220.13	
		<i>For 1/2" Thick, Add</i>	<i>9.75</i>	
33 14 13 43-0064	EA	24" Outside Diameter, 5/16" Thick Cement Fitting Lining.....	320.51	
		<i>For 1/2" Thick, Add</i>	<i>14.06</i>	

**33 14 13 43-0065 8 Mil Polyethylene Encasement Tubing** (33 14 13 43)

Note: ANSI/AWWA C105/A21.5-99 section 4.2.

33 14 13 43-0066	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing.....	0.85	
33 14 13 43-0067	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.40	
33 14 13 43-0068	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.76	
33 14 13 43-0069	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.25	
33 14 13 43-0070	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing.....	3.11	
33 14 13 43-0071	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing.....	4.01	
33 14 13 43-0072	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing.....	5.09	
33 14 13 43-0073	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing.....	6.08	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 43-0074	LF	54" Diameter, 8 Mil Polyethylene Encasement Tubing .....	7.24
33 14 13 43-0075	LF	60" Diameter, 8 Mil Polyethylene Encasement Tubing .....	8.06

**33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters (33 14 13)****33 14 13 53-0001****Double Stud Stainless Steel Service Saddles (33 14 13 53)**

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 14 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	235.92
33 14 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) .....	335.22
33 14 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	345.86
33 14 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	283.95
33 14 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) .....	358.45
33 14 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	296.42
33 14 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) .....	375.20
33 14 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	334.63
33 14 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) .....	395.23
33 14 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	348.74
33 14 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	406.06

**33 14 13 53-0013****Double Bale Epoxy Coated Ductile Iron Body Service Saddles (33 14 13 53)**

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

33 14 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	194.81
33 14 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	194.96
33 14 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	207.37
33 14 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	198.40
33 14 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	212.29
33 14 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	235.35
33 14 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	250.37
33 14 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	228.58
33 14 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	251.83
33 14 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	264.55
33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	241.12
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	265.14
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	277.80
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	254.14
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	277.44
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	289.91
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	430.51
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	441.17
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	275.61
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	303.90
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	315.43
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	511.11
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	309.51
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	343.59
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	571.94
33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	337.28
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	373.38
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	386.62
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	639.61
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	395.46
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	423.58
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	456.66
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	789.41
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	406.11
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	463.93
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	483.27
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	849.12
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	424.38
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	484.36
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	504.22
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	883.71
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	470.85
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	545.78
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	538.34
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	596.52
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	562.37
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	635.93

**33 14 13 53-0061****Double Bale Bronze Service Saddles (33 14 13 53)**

33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	272.06
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	297.83
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	309.52

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	335.55	
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	345.68	
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	363.30	
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	333.97	
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	355.44	
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	426.70	
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	461.96	
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	648.40	
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	733.75	
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	755.19	
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	844.17	

33 14 13 53-0076

Stainless Steel Double Straps, Bronze Body Service Saddle (33 14 13 53)

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	286.44	
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	315.98	
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	326.50	
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	354.96	
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	366.68	
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	385.43	
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	414.02	
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	443.39	
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	445.95	
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	483.68	
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	696.09	
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	801.19	
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	811.77	
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	885.24	
33 14 13 53-0091	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	1,349.86	
33 14 13 53-0092	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	1,349.86	
33 14 13 53-0093	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	1,402.66	
33 14 13 53-0094	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	1,402.66	
33 14 13 53-0095	EA	24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	1,505.26	
33 14 13 53-0096	EA	24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	1,505.26	

33 14 13 53-0097

Ductile Iron Mechanical Joint Tapping Sleeve (33 14 13 53)

33 14 13 53-0098	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	1,295.32	
33 14 13 53-0099	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	1,563.17	
33 14 13 53-0100	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	1,870.87	
33 14 13 53-0101	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	1,981.46	
33 14 13 53-0102	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	3,036.03	
33 14 13 53-0103	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	3,191.31	
33 14 13 53-0104	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	3,257.19	
33 14 13 53-0105	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	3,195.81	
33 14 13 53-0106	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	3,350.47	
33 14 13 53-0107	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	3,729.16	
33 14 13 53-0108	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	3,824.31	
33 14 13 53-0109	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	6,446.49	
33 14 13 53-0110	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	6,621.41	
33 14 13 53-0111	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	6,699.34	
33 14 13 53-0112	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	6,732.10	
33 14 13 53-0113	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	6,979.41	
33 14 13 53-0114	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	6,966.29	
33 14 13 53-0115	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	6,987.60	
33 14 13 53-0116	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,183.21	
33 14 13 53-0117	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,228.35	
33 14 13 53-0118	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,278.16	
33 14 13 53-0119	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	11,214.21	
33 14 13 53-0120	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,632.85	
33 14 13 53-0121	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	9,717.59	
33 14 13 53-0122	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	10,160.92	
33 14 13 53-0123	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	10,282.32	
33 14 13 53-0124	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	10,653.54	
33 14 13 53-0125	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	9,071.55	
33 14 13 53-0126	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	8,732.48	
33 14 13 53-0127	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	8,900.77	
33 14 13 53-0128	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	8,965.69	
33 14 13 53-0129	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	9,294.30	
33 14 13 53-0130	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	12,614.28	
33 14 13 53-0131	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	12,856.81	
33 14 13 53-0132	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	10,971.62	
33 14 13 53-0133	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	11,122.39	
33 14 13 53-0134	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	11,165.05	
33 14 13 53-0135	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	15,520.17	
33 14 13 53-0136	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	15,719.27	
33 14 13 53-0137	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	15,761.87	
33 14 13 53-0138	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	16,195.69	
33 14 13 53-0139	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	16,400.43	

33 14 13 53-0140

Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (33 14 13 53)

33 14 13 53-0141	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,068.39	
33 14 13 53-0142	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,130.47	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 53-0143	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,238.46	
33 14 13 53-0144	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,270.88	
33 14 13 53-0145	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,323.94	
33 14 13 53-0146	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,526.95	
33 14 13 53-0147	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,385.20	
33 14 13 53-0148	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,436.81	
33 14 13 53-0149	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,615.08	
33 14 13 53-0150	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,252.72	
33 14 13 53-0151	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,554.67	
33 14 13 53-0152	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,631.11	
33 14 13 53-0153	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,806.51	
33 14 13 53-0154	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,377.57	
33 14 13 53-0155	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,597.89	
33 14 13 53-0156	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,055.26	
33 14 13 53-0157	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,118.23	
33 14 13 53-0158	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,496.38	
33 14 13 53-0159	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,965.57	
33 14 13 53-0160	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,270.13	
33 14 13 53-0161	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,445.50	
33 14 13 53-0162	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,510.55	
33 14 13 53-0163	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,760.35	
33 14 13 53-0164	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,432.10	
33 14 13 53-0165	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,589.69	
33 14 13 53-0166	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,584.80	
33 14 13 53-0167	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,703.93	
33 14 13 53-0168	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,870.00	
33 14 13 53-0169	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,660.73	
33 14 13 53-0170	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,818.11	
33 14 13 53-0171	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,127.59	
33 14 13 53-0172	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,192.50	
33 14 13 53-0173	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,567.13	
33 14 13 53-0174	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,201.66	
33 14 13 53-0175	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,470.02	
33 14 13 53-0176	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,371.02	
33 14 13 53-0177	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,515.12	
33 14 13 53-0178	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,710.23	
33 14 13 53-0179	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,611.51	
33 14 13 53-0180	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,775.69	

**33 14 13 53-0181 Stainless Steel Flange, Stainless Steel Tapping Sleeve (33 14 13 53)**

33 14 13 53-0182	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,241.20	
33 14 13 53-0183	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,348.73	
33 14 13 53-0184	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,428.65	
33 14 13 53-0185	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,453.44	
33 14 13 53-0186	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,545.74	
33 14 13 53-0187	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,824.48	
33 14 13 53-0188	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,667.85	
33 14 13 53-0189	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,770.34	
33 14 13 53-0190	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,020.03	
33 14 13 53-0191	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,743.68	
33 14 13 53-0192	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,901.66	
33 14 13 53-0193	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,041.95	
33 14 13 53-0194	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,372.30	
33 14 13 53-0195	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,803.17	
33 14 13 53-0196	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,132.22	
33 14 13 53-0197	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,169.59	
33 14 13 53-0198	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,342.02	
33 14 13 53-0199	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,714.20	
33 14 13 53-0200	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,145.48	
33 14 13 53-0201	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,372.86	
33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,653.18	
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,889.47	
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,069.16	
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,533.01	
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,847.18	
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,920.02	
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,273.96	
33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,461.56	
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,868.98	
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,408.49	
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,147.39	
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,500.40	
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,652.54	
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,412.02	
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,834.08	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,736.60	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,785.50	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,968.22	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,875.11	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,358.41	

**33 14 13 53-0222 Ductile Iron Body, Flanged Coupling Adapter (33 14 13 53)**

33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	309.14	54.69
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0224	EA		4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912) .....	387.29	68.96
33 14 13 53-0225	EA		6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912) .....	508.72	95.12
33 14 13 53-0226	EA		8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912) .....	660.66	111.76
33 14 13 53-0227	EA		10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912) .....	1,043.41	126.03
33 14 13 53-0228	EA		12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912) .....	1,165.43	142.67
<b>33 14 13 53-0229</b>			<b>Steel Body, Flanged Coupling Adapter (33 14 13 53)</b>		
33 14 13 53-0230	EA		3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913) .....	454.10	54.69
33 14 13 53-0231	EA		4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913) .....	536.44	68.96
33 14 13 53-0232	EA		6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913) .....	715.90	95.12
33 14 13 53-0233	EA		8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913) .....	876.28	111.76
33 14 13 53-0234	EA		10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913) .....	1,071.07	126.03
33 14 13 53-0235	EA		12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913) .....	1,248.61	142.67
33 14 13 53-0236	EA		14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913) .....	1,484.94	156.94
33 14 13 53-0237	EA		16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913) .....	1,760.43	171.21
33 14 13 53-0238	EA		18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913) .....	2,080.67	188.33
33 14 13 53-0239	EA		20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913) .....	2,460.60	207.17
<b>33 14 13 53-0240</b>			<b>Steel Body, Flanged-Lock Restrained Coupling Adapters (33 14 13 53)</b>		
33 14 13 53-0241	EA		4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) .....	396.98	68.96
33 14 13 53-0242	EA		6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) .....	532.65	95.12
33 14 13 53-0243	EA		8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) .....	589.05	111.76
33 14 13 53-0244	EA		10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) .....	864.38	126.03
33 14 13 53-0245	EA		12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) .....	1,103.02	142.67
33 14 13 53-0246	EA		14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) .....	1,237.50	156.94
33 14 13 53-0247	EA		16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) .....	1,456.21	171.21
33 14 13 53-0248	EA		18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) .....	1,634.65	188.33
33 14 13 53-0249	EA		20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) .....	1,966.74	207.17
33 14 13 53-0250	EA		24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) .....	2,371.71	227.90
33 14 13 53-0251	EA		30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) .....	4,965.78	250.64
33 14 13 53-0252	EA		36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) .....	6,708.99	275.74
<b>33 14 13 53-0253</b>			<b>Ductile Iron Body, Omni Coupling System (33 14 13 53)</b>		
33 14 13 53-0254	EA		2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441) .....	138.22	38.05
33 14 13 53-0255	EA		2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441) .....	170.70	45.18
33 14 13 53-0256	EA		3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441) .....	211.47	54.69
33 14 13 53-0257	EA		4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441) .....	265.53	68.96
33 14 13 53-0258	EA		6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441) .....	353.90	95.12
33 14 13 53-0259	EA		8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441) .....	430.41	111.76
33 14 13 53-0260	EA		10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441) .....	539.30	126.03
33 14 13 53-0261	EA		12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441) .....	631.23	142.67
33 14 13 53-0262	EA		14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441) .....	892.50	156.94
33 14 13 53-0263	EA		16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441) .....	1,116.21	171.21
<b>33 14 19</b>			<b>Valves and Hydrants for Water Utility Service (33 14)</b>		
Note: Flanged valves excludes bolt and gasket set. See CSI section 23 21 13 23-0669 for bolt and gasket sets.					
<b>33 14 19 00-0001</b>			<b>Roadway Utility Box (33 14 19)</b>		
<b>33 14 19 00-0002</b>			<b>Utility Box (33 14 19 00-0001)</b>		
Note: Christy Concrete Products.					
<b>33 14 19 00-0003</b>			<b>B3 Utility Box, 9-3/8" x 15-1/2" (33 14 19 00-0002)</b>		
33 14 19 00-0004	EA		9-3/8" x 15-1/2" Precast Concrete Utility Box .....	90.52	46.47
33 14 19 00-0005	EA		Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box .....	83.35	5.17
33 14 19 00-0006	EA		Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box .....	36.02	5.17
33 14 19 00-0007	EA		Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box .....	179.58	5.17
33 14 19 00-0008	EA		12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box .....	52.37	10.33
33 14 19 00-0009	EA		3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box .....	73.28	10.33
<b>33 14 19 00-0010</b>			<b>B9 Utility Box, 10-1/4" x 17-1/4" (33 14 19 00-0002)</b>		
33 14 19 00-0011	EA		10-1/4" x 17-1/4" Precast Concrete Utility Box .....	111.03	61.96
33 14 19 00-0012	EA		Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box .....	97.70	6.19
33 14 19 00-0013	EA		Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box .....	40.17	6.19
33 14 19 00-0014	EA		Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box .....	188.28	5.17
33 14 19 00-0015	EA		13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box .....	58.12	10.33
33 14 19 00-0016	EA		5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box .....	78.57	15.49
33 14 19 00-0017	EA		12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box .....	97.50	28.40
<b>33 14 19 00-0018</b>			<b>B12 Utility Box, 12" x 20" (33 14 19 00-0002)</b>		
33 14 19 00-0019	EA		12" x 20" Precast Concrete Utility Box .....	121.85	67.12
33 14 19 00-0020	EA		Cast Iron Lid For 12" x 20" Utility Box .....	174.42	7.75
33 14 19 00-0021	EA		Reinforced Concrete Lid For 12" x 20" Utility Box .....	54.76	10.33
33 14 19 00-0022	EA		Steel Checkered Plate Cover For 12" x 20" Utility Box .....	254.72	10.33
33 14 19 00-0023	EA		12" High Reinforced Concrete Extension For 12" x 20" Utility Box .....	126.74	36.15
<b>33 14 19 00-0024</b>			<b>B16 Utility Box, 12" x 22-1/4" (33 14 19 00-0002)</b>		
33 14 19 00-0025	EA		12" x 22-1/4" Precast Concrete Utility Box .....	140.52	78.48

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0026	EA		Cast Iron Lid For 12" x 22-1/4" Utility Box .....	197.77	10.33
33 14 19 00-0027	EA		Reinforced Concrete Lid For 12" x 22-1/4" Utility Box .....	66.62	10.33
33 14 19 00-0028	EA		Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box .....	256.13	10.33
33 14 19 00-0029	EA		16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box .....	94.88	17.56
33 14 19 00-0030	EA		12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box .....	128.71	36.15
<b>33 14 19 00-0031</b>			<b>B30 Utility Box, 13-1/4" x 24"</b> <small>(33 14 19 00-0002)</small>		
33 14 19 00-0032	EA		13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX) .....	168.94	92.94
33 14 19 00-0033	EA		Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D) .....	90.87	16.53
33 14 19 00-0034	EA		Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G) .....	316.93	13.43
33 14 19 00-0035	EA		16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL) .....	94.88	17.56
33 14 19 00-0036	EA		5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA) .....	146.24	28.92
33 14 19 00-0037	EA		6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6) .....	112.92	19.62
33 14 19 00-0038	EA		12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12) .....	166.61	46.47
<b>33 14 19 00-0039</b>			<b>B36 Utility Box, 17-1/4" x 30"</b> <small>(33 14 19 00-0002)</small>		
33 14 19 00-0040	EA		17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX) .....	219.97	117.73
33 14 19 00-0041	EA		Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D) .....	148.72	28.40
33 14 19 00-0042	EA		Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D) .....	398.51	19.62
33 14 19 00-0043	EA		20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL) .....	139.05	37.18
33 14 19 00-0044	EA		6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA) .....	225.91	41.30
33 14 19 00-0045	EA		12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12) .....	221.52	59.90
<b>33 14 19 00-0046</b>			<b>B40 Utility Box, 24-1/2" x 36"</b> <small>(33 14 19 00-0002)</small>		
33 14 19 00-0047	EA		24-1/2" x 36" Precast Concrete Utility Box .....	441.66	181.76
33 14 19 00-0048	EA		Reinforced Concrete Lid For 24-1/2" x 36" Utility Box .....	402.80	68.16
33 14 19 00-0049	EA		Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box .....	566.94	29.94
33 14 19 00-0050	EA		30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box .....	332.95	64.03
33 14 19 00-0051	EA		10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box .....	352.90	67.12
<b>33 14 19 00-0052</b>			<b>B48 Utility Box, 30-1/4" x 48-1/4"</b> <small>(33 14 19 00-0002)</small>		
33 14 19 00-0053	EA		30-1/4" x 48-1/4" Precast Concrete Utility Box .....	567.88	206.54
33 14 19 00-0054	EA		1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box .....	563.33	112.56
33 14 19 00-0055	EA		2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box .....	697.50	112.56
33 14 19 00-0056	EA		2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box .....	899.38	51.64
33 14 19 00-0057	EA		36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box .....	504.04	139.41
33 14 19 00-0058	EA		10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box .....	440.97	93.98
<b>33 14 19 00-0059</b>			<b>Water Utility Distribution Valves</b> <small>(33 14 19)</small>		
<b>33 14 19 00-0060</b>			<b>Angle Valves</b> <small>(33 14 19 00-0059)</small>		
			Note: For connecting meters to water service.		
<b>33 14 19 00-0061</b>			<b>Threaded, Class 150, Bronze Angle Valve</b> <small>(33 14 19 00-0060)</small>		
			Note: Nibco T-335Y		
33 14 19 00-0062	EA		1/2" Threaded, Class 150, Bronze Angle Valve .....	93.38	16.28
33 14 19 00-0063	EA		3/4" Threaded, Class 150, Bronze Angle Valve .....	125.92	21.88
33 14 19 00-0064	EA		1" Threaded, Class 150, Bronze Angle Valve .....	169.85	26.96
33 14 19 00-0065	EA		1-1/4" Threaded, Class 150, Bronze Angle Valve .....	218.73	33.88
33 14 19 00-0066	EA		1-1/2" Threaded, Class 150, Bronze Angle Valve .....	273.38	39.17
33 14 19 00-0067	EA		2" Threaded, Class 150, Bronze Angle Valve .....	408.71	45.79
33 14 19 00-0068	EA		2-1/2" Threaded, Class 150, Bronze Angle Valve .....	655.48	62.50
33 14 19 00-0069	EA		3" Threaded, Class 150, Bronze Angle Valve .....	996.68	72.16
<b>33 14 19 00-0070</b>			<b>Butterfly Valves</b> <small>(33 14 19 00-0059)</small>		
<b>33 14 19 00-0071</b>			<b>Lug Type Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valves</b> <small>(33 14 19 00-0070)</small>		
33 14 19 00-0072	EA		3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,C1,NBRN-NBR,150B,C1-S2*GS-6B-HD8) .....	2,011.04	172.98
33 14 19 00-0073	EA		3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,C1,NBRN-NBR,150B,C1-S2*GS-6B-CW8) .....	2,242.33	172.98
33 14 19 00-0074	EA		4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,C1,NBRN-NBR,150B,C1-S2*GS-6B-HD8) .....	2,151.03	267.74
33 14 19 00-0075	EA		4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,C1,NBRN-NBR,150B,C1-S2*GS-6B-CW8) .....	2,382.31	267.74
33 14 19 00-0076	EA		6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,C1,NBRN-NBR,150B,C1-S2*GS-6B-HD8) .....	2,469.51	318.92
33 14 19 00-0077	EA		6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,C1,NBRN-NBR,150B,C1-S2*GS-6B-CW8) .....	2,700.79	318.92
33 14 19 00-0078	EA		8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,C1,NBRN-NBR,150B,C1-S2*GS-6B-HD8) .....	2,791.18	407.51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0079 EA 8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	3,022.46	407.51
33 14 19 00-0080 EA 10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	3,497.21	496.10
33 14 19 00-0081 EA 10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	3,497.21	496.10
33 14 19 00-0082 EA 12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	3,995.65	601.31
33 14 19 00-0083 EA 12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	4,226.93	601.31
33 14 19 00-0084 EA 14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12).....	5,476.18	858.68
33 14 19 00-0085 EA 14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12).....	6,085.27	858.68
33 14 19 00-0086 EA 16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16).....	6,364.54	944.55
33 14 19 00-0087 EA 16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20).....	7,112.88	944.55
33 14 19 00-0088 EA 18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24).....	7,964.60	1,047.59
33 14 19 00-0089 EA 18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24).....	8,750.47	1,047.59
33 14 19 00-0090 EA 20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24).....	9,014.92	1,180.68
33 14 19 00-0091 EA 20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24).....	9,800.80	1,180.68
<b>33 14 19 00-0092 Lug Type Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valves (33 14 19 00-0070)</b>		
33 14 19 00-0093 EA 24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-CW20).....	14,937.44	1,449.03
33 14 19 00-0094 EA 24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12-PC10).....	23,365.30	1,449.03
33 14 19 00-0095 EA 24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20).....	14,884.16	1,449.03
33 14 19 00-0096 EA 30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24).....	31,743.12	2,288.58
33 14 19 00-0097 EA 36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24).....	37,385.30	3,051.45
33 14 19 00-0098 EA 42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32).....	47,105.18	4,577.16
33 14 19 00-0099 EA 48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24).....	64,108.92	5,721.46
33 14 19 00-0100 EA 54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24).....	102,245.31	6,865.75
33 14 19 00-0101 EA 60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36).....	128,274.19	8,238.90
33 14 19 00-0102 EA 72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR8L-HD36).....	184,574.97	9,886.68
33 14 19 00-0103 LF 3/16" Link, 316 Stainless Steel Chain For Use With DeZurik Chainwheel.....	19.37	
33 14 19 00-0104 EA 316 Stainless Steel Closing Link For Use With DeZurik Chainwheel.....	8.48	
Note: One required per valve.		
<b>33 14 19 00-0105 Check Valves (33 14 19 00-0099)</b>		
<b>33 14 19 00-0106 Flanged, Swing Type Gravity Operated Check Valves (33 14 19 00-0105)</b>		
Note: AWWA C508. Bronze disc facing, Mueller A-2600-6.		
33 14 19 00-0107 EA 2-1/2" Flanged, Swing Type Gravity Operated Check Valve.....	783.08	135.88
33 14 19 00-0108 EA 3" Flanged, Swing Type Gravity Operated Check Valve.....	812.08	159.31
33 14 19 00-0109 EA 4" Flanged, Swing Type Gravity Operated Check Valve.....	1,156.08	201.48
33 14 19 00-0110 EA 4" x 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,562.29	303.15
33 14 19 00-0111 EA 4" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,630.65	338.56
33 14 19 00-0112 EA 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,559.95	337.35

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0113	EA		6" x 8" Flanged, Swing Type Gravity Operated Check Valve .....	2,018.83	383.47
33 14 19 00-0114	EA		6" x 10" Flanged, Swing Type Gravity Operated Check Valve .....	2,116.36	431.06
33 14 19 00-0115	EA		8" Flanged, Swing Type Gravity Operated Check Valve .....	2,199.34	431.06
33 14 19 00-0116	EA		10" Flanged, Swing Type Gravity Operated Check Valve .....	3,641.39	524.77
33 14 19 00-0117	EA		12" Flanged, Swing Type Gravity Operated Check Valve .....	5,460.42	393.58
33 14 19 00-0118	EA		14" Flanged, Swing Type Gravity Operated Check Valve .....	7,683.20	858.68
33 14 19 00-0119	EA		16" Flanged, Swing Type Gravity Operated Check Valve .....	10,139.15	944.55
33 14 19 00-0120	EA		18" Flanged, Swing Type Gravity Operated Check Valve .....	14,577.99	1,047.59
33 14 19 00-0121	EA		20" Flanged, Swing Type Gravity Operated Check Valve .....	16,956.76	1,180.68
<b>33 14 19 00-0122</b>			<b>Threaded, Bronze, Swing Type Check Valves (33 14 19 00-0105)</b>		
			Note: Class 125. Watts WCV-2, Nibco T-413.		
33 14 19 00-0123	EA		1/4" Threaded, Bronze, Swing Type Check Valve .....	46.02	16.38
33 14 19 00-0124	EA		3/8" Threaded, Bronze, Swing Type Check Valve .....	47.57	16.38
33 14 19 00-0125	EA		1/2" Threaded, Bronze, Swing Type Check Valve .....	44.80	16.38
33 14 19 00-0126	EA		3/4" Threaded, Bronze, Swing Type Check Valve .....	59.52	22.13
33 14 19 00-0127	EA		1" Threaded, Bronze, Swing Type Check Valve .....	65.18	26.76
33 14 19 00-0128	EA		1-1/4" Threaded, Bronze, Swing Type Check Valve .....	98.05	33.88
33 14 19 00-0129	EA		1-1/2" Threaded, Bronze, Swing Type Check Valve .....	119.53	39.17
33 14 19 00-0130	EA		2" Threaded, Bronze, Swing Type Check Valve .....	156.24	45.79
33 14 19 00-0131	EA		2-1/2" Threaded, Bronze, Swing Type Check Valve .....	204.36	62.50
<b>33 14 19 00-0132</b>			<b>Combination Air Release Valves (33 14 19 00-0059)</b>		
33 14 19 00-0133	EA		1" Combination Air Release Valve .....	436.71	19.68
33 14 19 00-0134	EA		2" Combination Air Release Valve .....	705.75	33.73
<b>33 14 19 00-0135</b>			<b>Corporation Stop And Curb Valve (33 14 19 00-0059)</b>		
			Note: AWWA C800		
<b>33 14 19 00-0136</b>			<b>Ball Corporation Valves (33 14 19 00-0135)</b>		
			Note: Mueller B-25000.		
33 14 19 00-0137	EA		3/4" Ball Corporation Valve (Mueller B-25000).....	74.25	19.68
33 14 19 00-0138	EA		1" Ball Corporation Valve (Mueller B-25000).....	93.24	24.36
33 14 19 00-0139	EA		1-1/2" Ball Corporation Valve (Mueller B-25000) .....	166.45	35.61
33 14 19 00-0140	EA		2" Ball Corporation Valve (Mueller B-25000).....	249.98	42.17
<b>33 14 19 00-0141</b>			<b>Gate Valve, AWWA C500 And C509 (33 14 19 00-0059)</b>		
<b>33 14 19 00-0142</b>			<b>Gate Valve, Flanged (33 14 19 00-0141)</b>		
			Note: Mueller A-2380-6.		
33 14 19 00-0143	EA		2" Gate Valve, Flanged .....	501.86	124.91
33 14 19 00-0144	EA		2-1/2" Gate Valve, Flanged .....	583.14	135.88
33 14 19 00-0145	EA		3" Gate Valve, Flanged .....	689.22	159.31
33 14 19 00-0146	EA		4" Gate Valve, Flanged .....	946.58	199.60
33 14 19 00-0147	EA		6" Gate Valve, Flanged .....	1,154.93	337.35
33 14 19 00-0148	EA		8" Gate Valve, Flanged .....	1,678.94	431.06
33 14 19 00-0149	EA		10" Gate Valve, Flanged .....	2,473.04	524.77
33 14 19 00-0150	EA		12" Gate Valve, Flanged .....	2,981.03	393.58
33 14 19 00-0151	EA		14" Gate Valve, Flanged .....	6,312.88	858.68
33 14 19 00-0152	EA		16" Gate Valve, Flanged .....	8,182.23	944.55
33 14 19 00-0153	EA		18" Gate Valve, Flanged .....	12,769.82	1,047.59
33 14 19 00-0154	EA		20" Gate Valve, Flanged .....	15,239.94	1,180.68
<b>33 14 19 00-0155</b>			<b>Resilient Wedge Gate Valve, Flanged Watts 406-NRS-RW (33 14 19 00-0141)</b>		
33 14 19 00-0156	EA		2" Resilient Wedge Gate Valve, Flanged .....	482.31	124.91
33 14 19 00-0157	EA		2-1/2" Resilient Wedge Gate Valve, Flanged .....	559.78	135.88
33 14 19 00-0158	EA		3" Resilient Wedge Gate Valve, Flanged .....	661.49	159.31
33 14 19 00-0159	EA		4" Resilient Wedge Gate Valve, Flanged .....	915.59	199.60
33 14 19 00-0160	EA		6" Resilient Wedge Gate Valve, Flanged .....	1,113.50	337.35
33 14 19 00-0161	EA		8" Resilient Wedge Gate Valve, Flanged .....	1,614.22	431.06
33 14 19 00-0162	EA		10" Resilient Wedge Gate Valve, Flanged .....	2,370.20	524.77
33 14 19 00-0163	EA		12" Resilient Wedge Gate Valve, Flanged .....	2,856.86	393.58
<b>33 14 19 00-0164</b>			<b>Gate Valve, Mechanical Joint (33 14 19 00-0141)</b>		
			Note: Mueller A-2380-20.		
33 14 19 00-0165	EA		2" Gate Valve, Mechanical Joint .....	593.98	99.80
33 14 19 00-0166	EA		2-1/2" Gate Valve, Mechanical Joint .....	655.00	125.10
33 14 19 00-0167	EA		3" Gate Valve, Mechanical Joint .....	819.05	151.34
33 14 19 00-0168	EA		4" Gate Valve, Mechanical Joint .....	989.85	199.60
33 14 19 00-0169	EA		6" Gate Valve, Mechanical Joint .....	1,233.10	234.27
33 14 19 00-0170	EA		8" Gate Valve, Mechanical Joint .....	1,751.70	281.13
33 14 19 00-0171	EA		10" Gate Valve, Mechanical Joint .....	2,504.43	327.98
33 14 19 00-0172	EA		12" Gate Valve, Mechanical Joint .....	3,123.55	393.58
33 14 19 00-0173	EA		14" Gate Valve, Mechanical Joint .....	6,680.10	525.95
33 14 19 00-0174	EA		16" Gate Valve, Mechanical Joint .....	8,580.43	590.35
33 14 19 00-0175	EA		18" Gate Valve, Mechanical Joint .....	13,483.08	654.75
33 14 19 00-0176	EA		20" Gate Valve, Mechanical Joint .....	16,009.51	737.93



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>33 14 19 00-0177</b>		<b>Resilient Wedge Gate Valve, Mechanical Joint</b> (33 14 19 00-0141)			
Note: Mueller A-2360-20.					
33 14 19 00-0178	EA	2"	Resilient Wedge Gate Valve, Mechanical Joint .....	571.66	99.80
33 14 19 00-0179	EA	3"	Resilient Wedge Gate Valve, Mechanical Joint .....	789.82	151.34
33 14 19 00-0180	EA	4"	Resilient Wedge Gate Valve, Mechanical Joint .....	956.41	199.60
33 14 19 00-0181	EA	6"	Resilient Wedge Gate Valve, Mechanical Joint .....	1,189.83	234.27
33 14 19 00-0182	EA	8"	Resilient Wedge Gate Valve, Mechanical Joint .....	1,684.38	281.13
33 14 19 00-0183	EA	10"	Resilient Wedge Gate Valve, Mechanical Joint .....	2,399.80	327.98
33 14 19 00-0184	EA	12"	Resilient Wedge Gate Valve, Mechanical Joint .....	2,991.28	393.58

<b>33 14 19 00-0185</b>		<b>Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint</b> (33 14 19 00-0141)			
Note: Mueller A-2361.					
33 14 19 00-0186	EA	14"	Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint .....	5,878.46	858.68
33 14 19 00-0187	EA	16"	Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint .....	6,393.91	944.55
33 14 19 00-0188	EA	18"	Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint .....	9,841.24	1,047.59
33 14 19 00-0189	EA	20"	Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint .....	11,725.04	1,180.68
33 14 19 00-0190	EA	24"	Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint .....	16,584.88	1,449.03

<b>33 14 19 00-0191</b>		<b>Gate Valve, Threaded, WW-V-51 Class A, Type 1</b> (33 14 19 00-0141)			
Note: NIBCO T-113.					
33 14 19 00-0192	EA	1/4"	Gate Valve, Bronze, Threaded .....	54.05	16.38
33 14 19 00-0193	EA	3/8"	Gate Valve, Bronze, Threaded .....	55.60	16.38
33 14 19 00-0194	EA	1/2"	Gate Valve, Bronze, Threaded .....	54.94	16.38
33 14 19 00-0195	EA	3/4"	Gate Valve, Bronze, Threaded .....	70.57	22.13
33 14 19 00-0196	EA	1"	Gate Valve, Bronze, Threaded .....	87.11	26.76
33 14 19 00-0197	EA	1-1/4"	Gate Valve, Bronze, Threaded .....	118.78	33.88
33 14 19 00-0198	EA	1-1/2"	Gate Valve, Bronze, Threaded .....	137.86	39.17
33 14 19 00-0199	EA	2"	Gate Valve, Bronze, Threaded .....	167.47	45.79
33 14 19 00-0200	EA	2-1/2"	Gate Valve, Bronze, Threaded .....	326.78	62.50
33 14 19 00-0201	EA	3"	Gate Valve, Bronze, Threaded .....	392.14	71.69

<b>33 14 19 00-0202</b>		<b>Globe Valve, AWWA</b> (33 14 19 00-0059)			
<b>33 14 19 00-0203</b>		<b>Globe Valve, Threaded, WW-V-51 Class B, Type 1</b> (33 14 19 00-0202)			
Note: NIBCO T-235.					
33 14 19 00-0204	EA	1/8"	Globe Valve, Threaded .....	77.17	16.38
33 14 19 00-0205	EA	1/4"	Globe Valve, Threaded .....	74.03	16.38
33 14 19 00-0206	EA	3/8"	Globe Valve, Threaded .....	75.58	16.38
33 14 19 00-0207	EA	1/2"	Globe Valve, Threaded .....	77.17	16.38
33 14 19 00-0208	EA	3/4"	Globe Valve, Threaded .....	104.81	22.13
33 14 19 00-0209	EA	1"	Globe Valve, Threaded .....	147.71	26.76
33 14 19 00-0210	EA	1-1/4"	Globe Valve, Threaded .....	216.74	33.88
33 14 19 00-0211	EA	1-1/2"	Globe Valve, Threaded .....	258.94	39.17
33 14 19 00-0212	EA	2"	Globe Valve, Threaded .....	362.60	45.79
33 14 19 00-0213	EA	2-1/2"	Globe Valve, Threaded .....	668.90	62.50
33 14 19 00-0214	EA	3"	Globe Valve, Threaded .....	917.82	72.06

<b>33 14 19 00-0215</b>		<b>Tapping Valve, AWWA C500 And C509</b> (33 14 19 00-0059)			
<b>33 14 19 00-0216</b>		<b>Tapping Valve, AWWA C500 And C509</b> (33 14 19 00-0215)			
Note: Flanged inlet X mechanical joint, Mueller H-667.					
33 14 19 00-0217	EA	2"	Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	688.23	124.91
33 14 19 00-0218	EA	3"	Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	886.14	159.31
33 14 19 00-0219	EA	4"	Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	1,136.80	199.60
33 14 19 00-0220	EA	6"	Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	1,445.61	337.35
33 14 19 00-0221	EA	8"	Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	2,051.74	431.06
33 14 19 00-0222	EA	10"	Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	2,926.08	524.77
33 14 19 00-0223	EA	12"	Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	4,256.70	393.58
33 14 19 00-0224	EA	14"	Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	7,625.03	858.68
33 14 19 00-0225	EA	16"	Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	9,571.69	944.55
33 14 19 00-0226	EA	18"	Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	15,233.56	1,047.59

<b>33 14 19 00-0227</b>		<b>Accessories For Valves</b> (33 14 19)			
33 14 19 00-0228	EA	1'	Valve Extension Stem .....	90.54	
For Each Additional LF, Add				6.39	
33 14 19 00-0229	EA	Up to 80"	Long Indicator Post Telescoping Barrel Assembly .....	1,175.03	93.71
Note: Excludes valve.					
33 14 19 00-0230	EA	>80" To 114"	Long Indicator Post Telescoping Barrel Assembly .....	1,331.68	103.08
Note: Excludes valve.					
33 14 19 00-0231	EA		Adjust Water Valve Box To Grade .....	93.71	

<b>33 14 19 00-0232</b>		<b>Roadway Or Curb Valve Boxes</b> (33 14 19)			
<b>33 14 19 00-0233</b>		<b>Round Head, Cast Iron Service, Roadway Or Valve Boxes</b> (33 14 19 00-0232)			
33 14 19 00-0234	EA	36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box .....	187.21	12.37	
Note: Includes cover, top section and bottom section.					
33 14 19 00-0235	EA	36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box .....	217.08	12.37	
Note: Includes cover, top section and bottom section.					
33 14 19 00-0236	EA	42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box .....	218.46	12.37	
Note: Includes cover, top section and bottom section.					

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 19 00-0237	EA	9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	56.78		6.18
33 14 19 00-0238	EA	16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	64.69		6.18
33 14 19 00-0239	EA	24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	76.59		6.18
33 14 19 00-0240	EA	36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box.....	281.65		15.46
		Note: Includes cover, top section and bottom section.			
33 14 19 00-0241	EA	45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	486.78		21.65
		Note: Includes cover, top section, bottom section and #6 round base.			
33 14 19 00-0242	EA	45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	542.50		21.65
		Note: Includes cover, top section, bottom section and #6 round base.			
33 14 19 00-0243	EA	24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	292.70		15.46
		Note: Includes cover, top section and bottom section.			
33 14 19 00-0244	EA	36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	306.01		15.46
		Note: Includes cover, top section and bottom section.			
33 14 19 00-0245	EA	24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	295.84		15.46
		Note: Includes cover, top section and bottom section.			
33 14 19 00-0246	EA	12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	107.35		6.18
33 14 19 00-0247	EA	18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	181.93		25.44
33 14 19 00-0248	EA	22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	187.98		26.46
33 14 19 00-0249	EA	30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	209.19		27.47
33 14 19 00-0250	EA	36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	285.80		29.00
33 14 19 00-0251	EA	48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	344.13		30.53
33 14 19 00-0252	EA	18" Cast Iron Service Box Extension Section.....	80.34		
<b>33 14 19 00-0253</b>		<b>Plastic Roadway Grade Water Meter Box And Cover</b> (33 14 19 00-0232)			
33 14 19 00-0254	EA	12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover.....	252.97		35.62
33 14 19 00-0255	EA	9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover.....	190.08		25.44
33 14 19 00-0256	EA	Cast Iron Lid For Plastic Meter Box.....	56.35		
<b>33 14 19 00-0257</b>		<b>Traffic Valve Box And Lid</b> (33 14 19 00-0232)			
33 14 19 00-0258	EA	10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5).....	166.41		
33 14 19 00-0259	EA	14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12).....	514.35		
<b>33 14 19 00-0260</b>		<b>Fire Hydrants</b> (33 14 19)			
		Note: Breakaway type.			
<b>33 14 19 00-0261</b>		<b>Three Way, Standard (Traditional) Model Fire Hydrant</b> (33 14 19 00-0260)			
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).			
33 14 19 00-0262	EA	1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,528.95		248.04
33 14 19 00-0263	EA	2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,595.46		248.04
33 14 19 00-0264	EA	2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,662.14		248.04
33 14 19 00-0265	EA	3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,746.22		265.76
33 14 19 00-0266	EA	3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,812.80		265.76
33 14 19 00-0267	EA	4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,901.59		287.91
33 14 19 00-0268	EA	4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,968.06		287.91
33 14 19 00-0269	EA	5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,056.87		310.06
33 14 19 00-0270	EA	5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,123.44		310.06
33 14 19 00-0271	EA	6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,212.05		332.20
33 14 19 00-0272	EA	6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,300.75		354.35
33 14 19 00-0273	EA	7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,411.49		398.64
33 14 19 00-0274	EA	1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,589.65		248.04
33 14 19 00-0275	EA	2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,675.96		248.04
33 14 19 00-0276	EA	2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,762.06		248.04
33 14 19 00-0277	EA	3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,865.88		265.76
33 14 19 00-0278	EA	3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,951.98		265.76
33 14 19 00-0279	EA	4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,060.55		287.91
33 14 19 00-0280	EA	4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,146.54		287.91
33 14 19 00-0281	EA	5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,254.88		310.06
33 14 19 00-0282	EA	5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,340.96		310.06
33 14 19 00-0283	EA	6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,449.05		332.20
33 14 19 00-0284	EA	6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,557.51		354.35
33 14 19 00-0285	EA	7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,687.75		398.64
<b>33 14 19 00-0286</b>		<b>Two Way, Standard (Traditional) Model Fire Hydrant</b> (33 14 19 00-0260)			
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).			
33 14 19 00-0287	EA	1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,163.87		248.04
33 14 19 00-0288	EA	2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,230.15		248.04
33 14 19 00-0289	EA	2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,296.81		248.04
33 14 19 00-0290	EA	3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,381.17		265.76
33 14 19 00-0291	EA	3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,447.53		265.76
33 14 19 00-0292	EA	4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,536.17		287.91
33 14 19 00-0293	EA	4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,602.74		287.91
33 14 19 00-0294	EA	5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,691.61		310.06
33 14 19 00-0295	EA	5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,758.04		310.06
33 14 19 00-0296	EA	6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,847.01		332.20
33 14 19 00-0297	EA	6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,935.29		354.35
33 14 19 00-0298	EA	7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,046.17		398.64
33 14 19 00-0299	EA	1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,257.63		248.04
33 14 19 00-0300	EA	2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,343.75		248.04
33 14 19 00-0301	EA	2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,429.74		248.04
33 14 19 00-0302	EA	3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,533.78		265.76
33 14 19 00-0303	EA	3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,619.66		265.76
33 14 19 00-0304	EA	4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,728.08		287.91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0305	EA		4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,814.01	287.91
33 14 19 00-0306	EA		5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,922.63	310.06
33 14 19 00-0307	EA		5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,008.51	310.06
33 14 19 00-0308	EA		6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,116.90	332.20
33 14 19 00-0309	EA		6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,224.94	354.35
33 14 19 00-0310	EA		7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,355.65	398.64
<b>33 14 19 00-0311</b>			<b>Three Way, Modern Model Fire Hydrant</b> <small>(33 14 19 00-0260)</small>		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).					
33 14 19 00-0312	EA		1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,684.17	248.04
33 14 19 00-0313	EA		2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,770.16	248.04
33 14 19 00-0314	EA		2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,856.41	248.04
33 14 19 00-0315	EA		3' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,960.28	265.76
33 14 19 00-0316	EA		3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,046.33	265.76
33 14 19 00-0317	EA		4' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,154.58	287.91
33 14 19 00-0318	EA		4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,240.75	287.91
33 14 19 00-0319	EA		5' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,349.02	310.06
33 14 19 00-0320	EA		5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,435.10	310.06
33 14 19 00-0321	EA		6' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,543.34	310.06
33 14 19 00-0322	EA		6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,651.85	354.35
33 14 19 00-0323	EA		7' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,781.19	354.35
<b>33 14 19 00-0324</b>			<b>Two Way, Modern Model Fire Hydrant</b> <small>(33 14 19 00-0260)</small>		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).					
33 14 19 00-0325	EA		1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,605.91	248.04
33 14 19 00-0326	EA		2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,671.35	248.04
33 14 19 00-0327	EA		2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,737.52	248.04
33 14 19 00-0328	EA		3' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,819.91	265.76
33 14 19 00-0329	EA		3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,885.33	265.76
33 14 19 00-0330	EA		4' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,972.90	287.91
33 14 19 00-0331	EA		4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,038.30	287.91
33 14 19 00-0332	EA		5' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,125.95	310.06
33 14 19 00-0333	EA		5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,191.18	310.06
33 14 19 00-0334	EA		6' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,278.76	332.20
33 14 19 00-0335	EA		6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,366.42	354.35
33 14 19 00-0336	EA		7' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,475.32	398.64
<b>33 14 19 00-0337</b>			<b>Fire Hydrant Extension Kits</b> <small>(33 14 19 00-0260)</small>		
33 14 19 00-0338	EA		6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	535.79	22.15
33 14 19 00-0339	EA		12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	635.48	27.68
33 14 19 00-0340	EA		18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	690.65	33.23
33 14 19 00-0341	EA		24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	782.38	40.97
33 14 19 00-0342	EA		30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,197.25	42.63
33 14 19 00-0343	EA		36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,279.76	44.29
33 14 19 00-0344	EA		42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,297.95	46.51
33 14 19 00-0345	EA		48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,370.33	49.83
33 14 19 00-0346	EA		54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,506.76	59.80
33 14 19 00-0347	EA		60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,582.77	71.97
33 14 19 00-0348	EA		6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	596.25	24.81
33 14 19 00-0349	EA		12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	704.65	30.12
33 14 19 00-0350	EA		18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	807.38	36.32
33 14 19 00-0351	EA		24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	899.02	45.18
33 14 19 00-0352	EA		30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,243.24	46.96
33 14 19 00-0353	EA		36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,326.72	48.72
33 14 19 00-0354	EA		42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,383.20	51.38
33 14 19 00-0355	EA		48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,621.91	54.92
33 14 19 00-0356	EA		54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,772.94	65.55
33 14 19 00-0357	EA		60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,854.57	78.85
<b>33 14 19 00-0358</b>			<b>Removal And Reinstallation Of Standard Fire Hydrant</b> <small>(33 14 19 00-0260)</small>		
Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.					
33 14 19 00-0359	EA		Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	708.70	
33 14 19 00-0360	EA		>5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	1,033.52	
33 14 19 00-0361	EA		Reset Fire Hydrant Upper Barrel.....	911.83	
Note: Includes Safety Repair Kit					
<b>33 14 19 00-0362</b>			<b>Yard Hydrants</b> <small>(33 14 19)</small>		
Note: With 3/4" hose thread outlet.					
33 14 19 00-0363	EA		2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	340.03	30.53
33 14 19 00-0364	EA		4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	366.19	30.53
33 14 19 00-0365	EA		6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	392.35	30.53
33 14 19 00-0366	EA		2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	258.58	38.66
33 14 19 00-0367	EA		4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	269.78	38.66
33 14 19 00-0368	EA		6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	280.99	38.66
<b>33 14 19 00-0369</b>			<b>Sanitary Yard Hydrants</b> <small>(33 14 19)</small>		
Note: With 3/4" hose thread outlet.					
33 14 19 00-0370	EA		2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,572.92	63.60

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0371	EA		4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet .....	1,654.69	63.60
33 14 19 00-0372	EA		6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet .....	1,736.45	63.60
<b>33 14 19 00-0373</b>			<b>Flushing Hydrants</b> (33 14 19)		
33 14 19 00-0374	EA		2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth.....	622.33	39.25
<b>33 14 23</b>			<b>Enclosures for Water Utility Piping and Valves</b> (33 14)		
			See CSI section 22 11 19 00-0464 for Enclosures.		
<b>33 16</b>			<b>Water Utility Storage Tanks</b> (33 10)		
<b>33 16 23</b>			<b>Ground-Level Steel Water Storage Tanks</b> (33 16)		
			See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.		
<b>33 19</b>			<b>Water Utility Metering Equipment</b> (33 10)		
<b>33 19 13</b>			<b>Positive Displacement Water Meters</b> (33 19)		
<b>33 19 13 23</b>			<b>Nutating Disc Water Meters</b> (33 19 13)		
<b>33 19 13 23-0001</b>			<b>Bronze Disk Type Water Service Meters</b> (33 19 13 23)		
33 19 13 23-0002	EA		5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	296.84	52.91
33 19 13 23-0003	EA		3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	373.63	63.08
33 19 13 23-0004	EA		1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	503.51	72.24
33 19 13 23-0005	EA		1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	984.26	107.86
33 19 13 23-0006	EA		2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	1,334.37	140.41
<b>33 19 13 23-0007</b>			<b>Magnetic Driven, Positive Displacement Type Water Service Meters</b> (33 19 13 23)		
33 19 13 23-0008	EA		5/8" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i) .....	411.11	52.91
			<i>For Owner Furnished Material, Deduct</i>	-357.55	
33 19 13 23-0009	EA		3/4" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i) .....	469.19	63.08
			<i>For Owner Furnished Material, Deduct</i>	-405.59	
33 19 13 23-0010	EA		1" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i) .....	695.01	72.24
			<i>For Owner Furnished Material, Deduct</i>	-622.33	
33 19 13 23-0011	EA		1-1/2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i) .....	1,173.80	107.86
			<i>For Owner Furnished Material, Deduct</i>	-1,065.56	
33 19 13 23-0012	EA		2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i) .....	1,454.40	140.41
			<i>For Owner Furnished Material, Deduct</i>	-1,313.08	
33 19 13 23-0013	EA		Electronic Transmitter .....	330.15	25.44
			Note: For use with transmitting meter valve.		
			<i>For Owner Furnished Material, Deduct</i>	-304.71	
<b>33 19 16</b>			<b>Velocity-Type Water Meters</b> (33 19)		
<b>33 19 16 23</b>			<b>Turbine Water Meters</b> (33 19 16)		
<b>33 19 16 23-0001</b>			<b>Flanged Turbine Water Service Meter</b> (33 19 16 23)		
<b>33 19 16 23-0002</b>			<b>Vertical Turbine Meters</b> (33 19 16 23-0001)		
33 19 16 23-0003	EA		1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged.....	569.10	98.40
33 19 16 23-0004	EA		2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged .....	791.62	124.91
33 19 16 23-0005	EA		3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged .....	1,323.62	159.31
33 19 16 23-0006	EA		4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged.....	2,039.57	301.74
33 19 16 23-0007	EA		6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged .....	3,747.04	337.35
<b>33 19 16 23-0008</b>			<b>Horizontal Turbine Meters</b> (33 19 16 23-0001)		
33 19 16 23-0009	EA		1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged.....	866.29	98.40
33 19 16 23-0010	EA		2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged.....	1,215.90	124.91
33 19 16 23-0011	EA		3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged.....	1,493.72	159.31
33 19 16 23-0012	EA		4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged.....	2,264.42	301.74
33 19 16 23-0013	EA		6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged.....	4,566.27	337.35
33 19 16 23-0014	EA		8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged.....	6,109.76	431.06
33 19 16 23-0015	EA		10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged .....	8,543.24	524.77
33 19 16 23-0016	EA		12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged.....	10,966.48	1,058.92
<b>33 19 19</b>			<b>Compound Water Meters</b> (33 19)		
<b>33 19 19 00-0001</b>			<b>Flanged Compound Type Water Service Meter</b> (33 19 19)		
33 19 19 00-0002	EA		2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	2,234.56	124.91
33 19 19 00-0003	EA		3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	2,610.14	159.31
33 19 19 00-0004	EA		4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	4,383.85	301.74
33 19 19 00-0005	EA		6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	6,040.49	337.35
33 19 19 00-0006	EA		8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	12,462.20	431.06
33 19 19 00-0007	EA		10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	21,381.08	524.77
<b>33 19 23</b>			<b>Magnetic Water Meters</b> (33 19)		
<b>33 19 23 00-0001</b>			<b>Flanged Electromagnetic Flow (EMF) Water Meter</b> (33 19 23)		
33 19 23 00-0002	EA		2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG) .....	6,064.01	124.91
33 19 23 00-0003	EA		3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG) .....	8,382.13	159.31
33 19 23 00-0004	EA		4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG) .....	9,636.16	301.74

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 30 Sanitary Sewerage Utilities <sup>(33)</sup>

33 31 Sanitary Sewerage Piping <sup>(33 30)</sup>

33 31 11 Public Sanitary Sewerage Gravity Piping <sup>(33 31)</sup>

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 31 11 00-0001	LF	Plastic Sewer And Drain Piping <sup>(33 31 11)</sup>		
33 31 11 00-0002	LF	Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe <sup>(33 31 11 00-0001)</sup>		
33 31 11 00-0003	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	7.89	3.60
33 31 11 00-0004	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	9.43	4.24
33 31 11 00-0005	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	12.24	5.14
33 31 11 00-0006	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	14.81	6.00
33 31 11 00-0007	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	18.88	6.98
33 31 11 00-0008	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	23.90	8.11
33 31 11 00-0009	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	29.60	8.40
33 31 11 00-0010	LF	12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	36.22	8.69
33 31 11 00-0011	LF	Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe <sup>(33 31 11 00-0001)</sup>		
		Note: D-2729 PVC pipe.		
33 31 11 00-0012	LF	3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	11.29	5.14
33 31 11 00-0013	LF	4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	13.25	6.00
33 31 11 00-0014	LF	6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	16.43	6.98
33 31 11 00-0015	EA	Polyvinyl Chloride (PVC) Sewer And Drain Fittings <sup>(33 31 11 00-0001)</sup>		
33 31 11 00-0016	EA	1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <sup>(33 31 11 00-0015)</sup>		
33 31 11 00-0017	EA	1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	20.68	12.07
33 31 11 00-0018	EA	2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	26.64	15.61
33 31 11 00-0019	EA	3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	41.64	20.96
33 31 11 00-0020	EA	4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	57.83	24.23
33 31 11 00-0021	EA	6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	178.25	31.50
33 31 11 00-0022	EA	8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	287.88	42.39
33 31 11 00-0023	EA	10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	380.48	56.45
33 31 11 00-0024	EA	1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <sup>(33 31 11 00-0015)</sup>		
33 31 11 00-0025	EA	1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	21.28	12.07
33 31 11 00-0026	EA	2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	26.59	15.61
33 31 11 00-0027	EA	3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	40.75	20.96
33 31 11 00-0028	EA	4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	53.48	24.23
33 31 11 00-0029	EA	6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	167.17	31.50
33 31 11 00-0030	EA	8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	262.12	42.39
33 31 11 00-0031	EA	10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	304.70	56.45
33 31 11 00-0032	EA	12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	445.95	75.18
33 31 11 00-0033	EA	Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <sup>(33 31 11 00-0015)</sup>		
33 31 11 00-0034	EA	1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	27.68	11.89
33 31 11 00-0035	EA	2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	30.79	15.61
33 31 11 00-0036	EA	3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	53.03	21.42
33 31 11 00-0037	EA	4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	80.28	26.14
33 31 11 00-0038	EA	6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	138.39	30.22
33 31 11 00-0039	EA	8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	226.36	34.49
33 31 11 00-0040	EA	10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	355.25	40.20
33 31 11 00-0041	EA	12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	524.64	46.86
33 31 11 00-0042	EA	1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <sup>(33 31 11 00-0015)</sup>		
33 31 11 00-0043	EA	1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	22.54	12.07
33 31 11 00-0044	EA	2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	27.87	15.61
33 31 11 00-0045	EA	3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	44.45	20.96
33 31 11 00-0046	EA	4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	60.35	24.23
33 31 11 00-0047	EA	6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	215.12	31.50
33 31 11 00-0048	EA	8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	341.55	42.39
33 31 11 00-0049	EA	10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	392.71	56.45
33 31 11 00-0050	EA	12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	416.62	75.18
33 31 11 00-0051	EA	Reducers, Polyvinyl Chloride (PVC) Sewer And Drain <sup>(33 31 11 00-0015)</sup>		
33 31 11 00-0052	EA	2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	25.85	13.77
33 31 11 00-0053	EA	3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	41.11	16.44
33 31 11 00-0054	EA	3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	40.98	18.13
33 31 11 00-0055	EA	4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	56.98	19.82
33 31 11 00-0056	EA	4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	62.21	22.49
33 31 11 00-0057	EA	6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	167.24	27.83
33 31 11 00-0058	EA	8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	316.02	36.91
33 31 11 00-0059	EA	10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	102.93	40.30
33 31 11 00-0060	EA	10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	132.18	43.95

**33 Utilities****33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 31 11 00-0061	EA	10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	130.91		49.36
33 31 11 00-0062	EA	12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	340.78		53.36
33 31 11 00-0063	EA	12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	361.91		58.77
33 31 11 00-0064	EA	12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	386.18		65.81
<b>33 31 11 00-0065</b>		<b>Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>			
33 31 11 00-0066	EA	1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	31.93		18.24
33 31 11 00-0067	EA	2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	41.91		23.60
33 31 11 00-0068	EA	3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	64.25		31.13
33 31 11 00-0069	EA	4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	91.35		38.66
33 31 11 00-0070	EA	6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	257.80		42.39
33 31 11 00-0071	EA	8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	335.84		56.45
<b>33 31 11 00-0072</b>		<b>Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>			
33 31 11 00-0073	EA	1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	36.53		18.24
33 31 11 00-0074	EA	2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	44.58		23.60
33 31 11 00-0075	EA	3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	67.66		31.13
33 31 11 00-0076	EA	4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	96.94		38.66
33 31 11 00-0077	EA	6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	236.82		42.39
33 31 11 00-0078	EA	8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	295.99		56.45
33 31 11 00-0079	EA	10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	390.19		75.32
33 31 11 00-0080	EA	12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	600.98		100.52
<b>33 31 11 00-0081</b>		<b>Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>			
33 31 11 00-0082	EA	2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	43.76		18.24
33 31 11 00-0083	EA	2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	51.61		23.60
33 31 11 00-0084	EA	3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	62.91		31.13
33 31 11 00-0085	EA	4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	89.27		38.66
33 31 11 00-0086	EA	4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	94.52		38.66
<b>33 31 11 00-0087</b>		<b>Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>			
33 31 11 00-0088	EA	1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	54.92		23.60
33 31 11 00-0089	EA	2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	71.92		31.13
33 31 11 00-0090	EA	3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	128.06		42.02
33 31 11 00-0091	EA	4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	208.16		50.82
33 31 11 00-0092	EA	2" x 2" x 1-1/2" x 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	69.74		31.13
33 31 11 00-0093	EA	3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	111.43		42.02
33 31 11 00-0094	EA	4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	180.70		50.82
<b>33 31 11 00-0095</b>		<b>Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>			
33 31 11 00-0096	EA	1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	42.27		18.24
33 31 11 00-0097	EA	2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	53.54		23.60
33 31 11 00-0098	EA	3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	94.58		31.13
33 31 11 00-0099	EA	4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	157.30		38.66
33 31 11 00-0100	EA	2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	73.03		23.60
33 31 11 00-0101	EA	3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	112.23		31.13
33 31 11 00-0102	EA	3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	87.67		31.13
33 31 11 00-0103	EA	4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	149.03		38.66
33 31 11 00-0104	EA	4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	156.60		38.66
<b>33 31 11 00-0105</b>		<b>Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>			
33 31 11 00-0106	EA	1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	59.38		23.60
33 31 11 00-0107	EA	2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	72.41		31.13
33 31 11 00-0108	EA	3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	107.62		42.02
33 31 11 00-0109	EA	4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	311.38		50.82
33 31 11 00-0110	EA	6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	938.05		56.27
<b>33 31 11 00-0111</b>		<b>Cleanout Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>			
33 31 11 00-0112	EA	4" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain .....	291.16		97.08
33 31 11 00-0113	EA	6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain .....	610.72		125.24
33 31 11 00-0114	EA	8" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain .....	791.30		176.48
33 31 11 00-0115	EA	10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain .....	1,124.19		283.89
<b>33 31 11 00-0116</b>		<b>Couplings, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>			
33 31 11 00-0117	EA	1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	20.39		12.07
33 31 11 00-0118	EA	2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	25.75		15.52
33 31 11 00-0119	EA	3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	37.67		20.79
33 31 11 00-0120	EA	4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	46.91		24.23
33 31 11 00-0121	EA	6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	105.77		31.50
33 31 11 00-0122	EA	8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	232.51		42.39
33 31 11 00-0123	EA	10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	346.55		56.45
33 31 11 00-0124	EA	12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	558.96		75.18

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>33 31 11 00-0125 Adapters, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>				
33 31 11 00-0126	EA	4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting.....	105.81	65.79
33 31 11 00-0127	EA	2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting .....	77.40	50.04
33 31 11 00-0128	EA	2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting .....	78.45	50.04
33 31 11 00-0129	EA	3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting .....	81.23	50.04
33 31 11 00-0130	EA	4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	106.57	65.79
33 31 11 00-0131	EA	4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	104.35	65.79
33 31 11 00-0132	EA	4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting .....	100.70	65.79
33 31 11 00-0133	EA	4" Drain Grate, Drain And Sewer Fitting .....	53.39	33.83
<b>33 31 11 00-0134 Caps, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>				
33 31 11 00-0135	EA	3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting .....	25.86	12.98
33 31 11 00-0136	EA	4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting .....	38.64	16.16
33 31 11 00-0137	EA	6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting .....	65.80	20.88
<b>33 31 11 00-0138 Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>				
33 31 11 00-0139	EA	1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	19.38	12.07
33 31 11 00-0140	EA	2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	25.11	15.61
33 31 11 00-0141	EA	3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	35.62	20.96
33 31 11 00-0142	EA	4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	44.24	24.23
33 31 11 00-0143	EA	6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	68.22	31.50
33 31 11 00-0144	EA	8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	198.35	42.39
<b>33 31 11 00-0145 Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 31 11 00-0001)</small>				
Note: ASTM 3034.				
33 31 11 00-0146	LF	4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	14.97	6.00
33 31 11 00-0147	LF	6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	19.65	6.98
33 31 11 00-0148	LF	8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	25.90	8.11
33 31 11 00-0149	LF	10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	31.31	8.40
33 31 11 00-0150	LF	12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	37.82	8.69
33 31 11 00-0151	LF	15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	48.66	8.99
33 31 11 00-0152	LF	18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	61.05	9.33
33 31 11 00-0153	LF	21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	78.72	10.13
33 31 11 00-0154	LF	24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	95.07	10.92
33 31 11 00-0155	LF	27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	118.00	12.81
<b>33 31 11 00-0156 Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 31 11 00-0001)</small>				
Note: ASTM 3034.				
33 31 11 00-0157	LF	4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	14.34	6.00
33 31 11 00-0158	LF	6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	18.67	6.98
33 31 11 00-0159	LF	8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	24.47	8.11
<b>33 31 11 00-0160 Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings</b> <small>(33 31 11 00-0001)</small>				
Note: ASTM 3034.				
<b>33 31 11 00-0161 1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0160)</small>				
33 31 11 00-0162	EA	4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	65.79	22.23
33 31 11 00-0163	EA	6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	95.94	25.84
33 31 11 00-0164	EA	8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	195.32	29.28
33 31 11 00-0165	EA	10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	549.29	34.46
33 31 11 00-0166	EA	12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	709.67	43.93
<b>33 31 11 00-0167 1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0160)</small>				
33 31 11 00-0168	EA	4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	59.88	22.23
33 31 11 00-0169	EA	6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	89.43	25.84
33 31 11 00-0170	EA	8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	178.85	29.28
33 31 11 00-0171	EA	10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	394.20	34.46
33 31 11 00-0172	EA	12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	562.20	43.93
33 31 11 00-0173	EA	15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,198.31	62.01
33 31 11 00-0174	EA	18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,898.95	87.86
33 31 11 00-0175	EA	21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	3,161.86	116.28
33 31 11 00-0176	EA	24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	4,310.49	155.03
<b>33 31 11 00-0177 Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0160)</small>				
33 31 11 00-0178	EA	4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	99.51	33.34
33 31 11 00-0179	EA	6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	156.73	36.95
33 31 11 00-0180	EA	6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	175.55	38.76
33 31 11 00-0181	EA	8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	193.32	40.57
33 31 11 00-0182	EA	8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	220.55	42.38
33 31 11 00-0183	EA	8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	414.77	44.18
33 31 11 00-0184	EA	10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	528.87	45.22
33 31 11 00-0185	EA	10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	598.62	47.38
33 31 11 00-0186	EA	10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	879.64	49.18
33 31 11 00-0187	EA	10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,143.94	51.68
33 31 11 00-0188	EA	12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	650.63	55.04
33 31 11 00-0189	EA	12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	690.38	56.85

**33 Utilities****33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0190	EA		12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	980.47	58.66
33 31 11 00-0191	EA		12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,409.40	61.15
33 31 11 00-0192	EA		12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,587.68	65.89
<b>33 31 11 00-0193</b>			<b>Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0160)</small>		
33 31 11 00-0194	EA		4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	94.93	33.34
33 31 11 00-0195	EA		6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	141.46	36.95
33 31 11 00-0196	EA		6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	155.03	38.76
33 31 11 00-0197	EA		8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	186.77	40.57
33 31 11 00-0198	EA		8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	212.74	42.38
33 31 11 00-0199	EA		8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	321.41	44.18
33 31 11 00-0200	EA		10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	484.61	45.57
33 31 11 00-0201	EA		10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	494.54	47.38
33 31 11 00-0202	EA		10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	739.50	49.18
33 31 11 00-0203	EA		10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	817.73	51.68
33 31 11 00-0204	EA		12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	613.63	55.04
33 31 11 00-0205	EA		12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	632.93	56.85
33 31 11 00-0206	EA		12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	901.72	58.66
33 31 11 00-0207	EA		12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,084.58	61.15
33 31 11 00-0208	EA		12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,132.86	65.89
33 31 11 00-0209	EA		15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,395.72	79.25
33 31 11 00-0210	EA		15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,547.66	83.98
33 31 11 00-0211	EA		15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,932.52	93.02
<b>33 31 11 00-0212</b>			<b>Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0160)</small>		
33 31 11 00-0213	EA		4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	65.27	22.23
33 31 11 00-0214	EA		6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	99.43	25.84
33 31 11 00-0215	EA		8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	144.81	29.45
33 31 11 00-0216	EA		10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	269.88	34.46
33 31 11 00-0217	EA		12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	381.88	43.93
33 31 11 00-0218	EA		15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	741.99	62.01
33 31 11 00-0219	EA		18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,389.59	87.86
33 31 11 00-0220	EA		21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,312.46	116.28
33 31 11 00-0221	EA		24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	3,344.82	155.03
<b>33 31 11 00-0222</b>			<b>Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0160)</small>		
33 31 11 00-0223	EA		6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	121.05	24.03
33 31 11 00-0224	EA		8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	171.68	25.84
33 31 11 00-0225	EA		8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	181.12	27.64
33 31 11 00-0226	EA		10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	401.32	30.14
33 31 11 00-0227	EA		10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	460.68	31.95
33 31 11 00-0228	EA		12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	514.57	34.88
33 31 11 00-0229	EA		12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	589.89	36.69
33 31 11 00-0230	EA		12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	675.77	39.19
33 31 11 00-0231	EA		15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,016.17	52.97
<b>33 31 11 00-0232</b>			<b>Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0160)</small>		
33 31 11 00-0233	EA		6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	101.41	
33 31 11 00-0234	EA		8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	133.30	
33 31 11 00-0235	EA		8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	136.13	
33 31 11 00-0236	EA		10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	222.15	
33 31 11 00-0237	EA		10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	234.00	
33 31 11 00-0238	EA		10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	437.80	
33 31 11 00-0239	EA		12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	253.61	
33 31 11 00-0240	EA		12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	275.81	
33 31 11 00-0241	EA		12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	604.84	
33 31 11 00-0242	EA		12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	711.77	
33 31 11 00-0243	EA		15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	293.46	
33 31 11 00-0244	EA		15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	312.84	
<b>33 31 11 00-0245</b>			<b>Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0160)</small>		
33 31 11 00-0246	EA		6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	108.05	
33 31 11 00-0247	EA		8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	133.30	
33 31 11 00-0248	EA		8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	145.16	
33 31 11 00-0249	EA		10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	204.58	
33 31 11 00-0250	EA		10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	232.58	
33 31 11 00-0251	EA		10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	349.34	
33 31 11 00-0252	EA		12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	252.20	
33 31 11 00-0253	EA		12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	274.47	
33 31 11 00-0254	EA		12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	406.78	
33 31 11 00-0255	EA		12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	493.14	
33 31 11 00-0256	EA		15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	292.59	
33 31 11 00-0257	EA		15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	306.27	
33 31 11 00-0258	EA		15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	501.91	
33 31 11 00-0259	EA		15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	554.02	
33 31 11 00-0260	EA		15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	777.99	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 31 11 00-0261	<b>Couplings And Plug Fittings</b> <small>(33 31 11)</small>		
33 31 11 00-0262	<b>Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings</b> <small>(33 31 11 00-0261)</small>		
	Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.		
33 31 11 00-0263	EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150).....	20.11	6.19
33 31 11 00-0264	EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22).....	21.86	7.22
33 31 11 00-0265	EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33).....	25.82	8.26
33 31 11 00-0266	EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44).....	29.71	8.78
33 31 11 00-0267	EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55).....	38.00	9.29
33 31 11 00-0268	EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66).....	46.33	10.33
33 31 11 00-0269	EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88).....	61.63	11.36
33 31 11 00-0270	EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010).....	78.52	11.87
33 31 11 00-0271	EA 12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212).....	138.78	12.39
33 31 11 00-0272	EA 15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515).....	193.93	13.43
33 31 11 00-0273	EA 18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818).....	389.21	13.94
33 31 11 00-0274	EA 21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121).....	454.22	14.72
33 31 11 00-0275	EA 24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424).....	504.34	15.49
33 31 11 00-0276	EA 27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727).....	606.19	16.53

33 31 11 00-0277	<b>Cast Iron Service Saddles With U Bolt</b> <small>(33 31 11)</small>		
33 31 11 00-0278	EA 2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	104.98	
33 31 11 00-0279	EA 3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	105.53	
33 31 11 00-0280	EA 3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	116.19	
33 31 11 00-0281	EA 4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	112.37	
33 31 11 00-0282	EA 4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt.....	126.74	
33 31 11 00-0283	EA 4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt.....	142.45	
33 31 11 00-0284	EA 4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt.....	168.71	
33 31 11 00-0285	EA 6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt.....	142.65	
33 31 11 00-0286	EA 6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt.....	155.92	
33 31 11 00-0287	EA 6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt.....	179.90	
33 31 11 00-0288	EA 4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt.....	115.43	
33 31 11 00-0289	EA 4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt.....	126.09	
33 31 11 00-0290	EA 4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt.....	149.60	
33 31 11 00-0291	EA 4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt.....	177.50	
33 31 11 00-0292	EA 6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt.....	190.85	

**33 32 Sanitary Sewerage Equipment** (33 30)

**33 32 16 Packaged Wastewater Grinder Pump Assemblies** (33 32)

33 32 16 00-0001	<b>Submersible Grinder Pumps, Cast Iron With Bronze Impeller</b> <small>(33 32 16)</small>		
33 32 16 00-0002	EA 2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	2,096.02	305.49
	Note: Zoeller 840 series.		
33 32 16 00-0003	EA 2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	2,065.32	305.49
	Note: Zoeller 840 series.		
33 32 16 00-0004	EA Simplex Control Panel With Auto Reversing Switch.....	1,000.72	101.80
	Note: For Zoeller 840 series grinder pump.		
33 32 16 00-0005	EA Duplex Control Panel With Auto Reversing Switch.....	1,571.21	101.80
	Note: For Zoeller 840 series grinder pump.		
33 32 16 00-0006	EA Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74).....	9,610.15	

**33 32 16 00-0007 Submersible Grinder Pumps** (33 32 16)

	Note: Includes 50' of cord with pumps unless otherwise noted.		
33 32 16 00-0008	EA 2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof.....	3,658.58	624.16
33 32 16 00-0009	EA 3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof.....	5,518.44	728.18
33 32 16 00-0010	EA 5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof.....	6,746.88	936.23

**33 34 Onsite Wastewater Disposal** (33 30)

Note: Excludes distribution field piping, trenching or excavation.

**33 34 13 Septic Tanks** (33 34)

**33 34 13 13 Concrete Septic Tanks** (33 34 13)

33 34 13 13-0001	<b>Precast Concrete Septic Tank</b> <small>(33 34 13 13)</small>		
	Note: Includes external coating.		
33 34 13 13-0002	EA 1,000 Gallon Precast Septic Tank.....	3,023.55	624.16
	<i>For Non-Traffic Rated, Deduct</i>		
		-564.26	
33 34 13 13-0003	EA 1,250 Gallon Precast Septic Tank.....	3,623.22	688.97
	<i>For Non-Traffic Rated, Deduct</i>		
		-694.34	
33 34 13 13-0004	EA 1,500 Gallon Precast Septic Tank.....	4,200.22	753.67
	<i>For Non-Traffic Rated, Deduct</i>		
		-818.73	
33 34 13 13-0005	EA 2,000 Gallon Precast Septic Tank.....	5,365.71	819.21
	<i>For Non-Traffic Rated, Deduct</i>		
		-1,090.70	
33 34 13 13-0006	EA 2,500 Gallon Precast Septic Tank.....	6,419.71	1,131.29
	<i>For Non-Traffic Rated, Deduct</i>		
		-1,258.89	
33 34 13 13-0007	EA 4,000 Gallon Precast Septic Tank.....	16,826.13	1,560.40
	<i>For Non-Traffic Rated, Deduct</i>		
		-3,728.01	
33 34 13 13-0008	EA 5,000 Gallon Precast Septic Tank.....	30,510.86	2,340.60
	<i>For Non-Traffic Rated, Deduct</i>		
		-6,911.98	

**33 Utilities****33 30 Sanitary Sewerage Utilities****33 34 Onsite Wastewater Disposal**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 34 13 13-0009 EA 7,500 Gallon Precast Septic Tank..... <i>For Non-Traffic Rated, Deduct</i>	34,318.04 -7,582.59	3,276.83
33 34 13 13-0010 EA 10,000 Gallon Precast Septic Tank..... <i>For Non-Traffic Rated, Deduct</i>	42,066.22 -9,320.25	3,920.55
33 34 13 13-0011 EA 12,500 Gallon Precast Septic Tank..... <i>For Non-Traffic Rated, Deduct</i>	49,755.43 -10,943.48	4,856.78
<b>33 34 13 23 Fiberglass Septic Tank (33 34 13)</b>		
<b>33 34 13 23-0001 Fiberglass Septic Tank (33 34 13 23)</b>		
33 34 13 23-0002 EA 1,000 Gallon Fiberglass Septic Tank .....	1,629.72	468.12
33 34 13 23-0003 EA 1,250 Gallon Fiberglass Septic Tank .....	1,984.25	624.16
33 34 13 23-0004 EA 1,500 Gallon Fiberglass Septic Tank .....	2,146.05	565.69
33 34 13 23-0005 EA 2,000 Gallon Fiberglass Septic Tank .....	3,286.36	612.41
33 34 13 23-0006 EA 2,500 Gallon Fiberglass Septic Tank .....	4,197.88	848.85
33 34 13 23-0007 EA 4,000 Gallon Fiberglass Septic Tank .....	6,500.06	1,170.29
33 34 13 23-0008 EA 5,000 Gallon Fiberglass Septic Tank .....	9,667.58	1,755.45
33 34 13 23-0009 EA 7,500 Gallon Fiberglass Septic Tank .....	13,290.26	2,457.63
33 34 13 23-0010 EA 10,000 Gallon Fiberglass Septic Tank .....	16,258.54	2,937.40
<b>33 34 13 33 Polyethylene Septic Tank (33 34 13)</b>		
<b>33 34 13 33-0001 High Density Polyethylene (HDPE) Septic Tank (33 34 13 33)</b>		
33 34 13 33-0002 EA 300 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank .....	968.87	187.42
33 34 13 33-0003 EA 500 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank .....	1,471.32	210.85
33 34 13 33-0004 EA 900 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank .....	2,036.40	257.70
33 34 13 33-0005 EA 1,000 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank .....	2,095.51	281.13
33 34 13 33-0006 EA 1,250 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank .....	2,422.74	304.56
33 34 13 33-0007 EA 1,500 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank .....	2,897.15	327.98
33 34 13 33-0008 EA 750 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank .....	2,043.86	234.27
33 34 13 33-0009 EA 1,000 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank .....	2,235.70	281.13
33 34 13 33-0010 EA 1,250 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank .....	2,622.50	304.56
33 34 13 33-0011 EA 1,500 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank .....	3,072.38	327.98
<b>33 34 51 Drainage Field System (33 34)</b>		
<b>33 34 51 00-0001 Leaching Pit - Precast Concrete (33 34 51)</b>		
Note: Includes external coating.		
33 34 51 00-0002 EA 3' Diameter, 3' High, Precast Concrete Leaching Pit.....	778.40	91.54
33 34 51 00-0003 EA 4' Diameter, 3' High, Precast Concrete Leaching Pit.....	1,092.22	130.03
33 34 51 00-0004 EA 6' Diameter, 3' High, Precast Concrete Leaching Pit.....	1,454.93	156.04
33 34 51 00-0005 EA 8' Diameter, 4' High, Precast Concrete Leaching Pit.....	2,369.89	260.07
33 34 51 00-0006 EA 10' Diameter, 4' High, Precast Concrete Leaching Pit.....	3,455.31	364.10
<b>33 34 53 Distribution Chambers (33 34)</b>		
<b>33 34 53 13 Drainage Field Concrete Distribution Chambers (33 34 53)</b>		
<b>33 34 53 13-0001 Concrete Distribution Boxes (33 34 53 13)</b>		
Note: Includes internal and external coating.		
33 34 53 13-0002 EA 3 Outlet Concrete Distribution Box .....	274.28	66.18
33 34 53 13-0003 EA 5 Outlet Concrete Distribution Box .....	320.02	79.40
33 34 53 13-0004 EA 8 Outlet Concrete Distribution Box .....	544.50	92.64
33 34 53 13-0005 EA 12 Outlet Concrete Distribution Box .....	1,067.61	158.81
<b>33 34 53 13-0006 Leaching Field Chambers - Precast Concrete (33 34 53 13)</b>		
33 34 53 13-0007 EA Standard Leaching Field Chamber 13' x 3'-7" x 1'-4" .....	904.81	80.05
33 34 53 13-0008 EA Heavy Duty Leaching Field Chamber 13' x 3'-9" x 1'-6" .....	1,108.66	109.16
<b>33 34 56 Drainage Field Dosing Chambers (33 34)</b>		
<b>33 34 56 00-0001 Dosing Siphon (33 34 56)</b>		
33 34 56 00-0002 EA Dosing Siphon With Electrical Connection And Solenoid Valve .....	4,149.60	
33 34 56 00-0003 EA Solar Power Control For Dosing Siphon .....	2,840.12	
33 34 56 00-0004 EA Electrical Power Control For Dosing Siphon .....	2,729.40	
<b>33 40 Stormwater Utilities (33)</b>		
<b>33 41 Subdrainage (33 40)</b>		
<b>33 41 16 Subdrainage Piping (33 41)</b>		
<b>33 41 16 13 Subdrainage Piping (33 41 16)</b>		
See CSI section 33 42 11 00-0189 for polyethylene drain pipe.		
33 41 16 13-0001 Corrugated High Density Polyethylene (HDPE) Drainage Piping (33 41 16 13)		
33 41 16 13-0002 Single Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 41 16 13-0001)		
Note: Excludes couplings and gaskets.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>33 41 16 13-0003 Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 41 16 13-0002)</small>					
33 41 16 13-0004	LF		4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	4.86	4.23
			<i>For &lt;100, Add</i>	0.88	
			<i>For &gt;1,000, Deduct</i>	-0.45	
33 41 16 13-0005	LF		6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	5.93	4.53
			<i>For &lt;100, Add</i>	0.98	
			<i>For &gt;1,000, Deduct</i>	-0.52	
33 41 16 13-0006	LF		8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	7.23	4.75
			<i>For &lt;100, Add</i>	1.07	
			<i>For &gt;1,000, Deduct</i>	-0.60	
33 41 16 13-0007	LF		10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	9.48	4.90
			<i>For &lt;100, Add</i>	1.21	
			<i>For &gt;1,000, Deduct</i>	-0.72	
33 41 16 13-0008	LF		12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	11.06	5.35
			<i>For &lt;100, Add</i>	1.36	
			<i>For &gt;1,000, Deduct</i>	-0.82	
33 41 16 13-0009	LF		15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	14.35	6.04
			<i>For &lt;100, Add</i>	1.62	
			<i>For &gt;1,000, Deduct</i>	-1.02	
33 41 16 13-0010	LF		18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	23.16	10.15
			<i>For &lt;100, Add</i>	2.68	
			<i>For &gt;1,000, Deduct</i>	-1.67	
33 41 16 13-0011	LF		24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	31.47	11.16
			<i>For &lt;100, Add</i>	3.25	
			<i>For &gt;1,000, Deduct</i>	-2.13	

<b>33 41 16 13-0012 Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 41 16 13-0002)</small>					
33 41 16 13-0013	LF		4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	4.77	4.23
			<i>For &lt;100, Add</i>	0.87	
			<i>For &gt;1,000, Deduct</i>	-0.45	
33 41 16 13-0014	LF		6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	5.89	4.53
			<i>For &lt;100, Add</i>	0.97	
			<i>For &gt;1,000, Deduct</i>	-0.52	
33 41 16 13-0015	LF		8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	8.93	4.75
			<i>For &lt;100, Add</i>	1.16	
			<i>For &gt;1,000, Deduct</i>	-0.68	
33 41 16 13-0016	LF		10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	10.37	4.90
			<i>For &lt;100, Add</i>	1.25	
			<i>For &gt;1,000, Deduct</i>	-0.76	
33 41 16 13-0017	LF		12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	12.04	5.35
			<i>For &lt;100, Add</i>	1.40	
			<i>For &gt;1,000, Deduct</i>	-0.87	
33 41 16 13-0018	LF		15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	14.25	6.04
			<i>For &lt;100, Add</i>	1.62	
			<i>For &gt;1,000, Deduct</i>	-1.01	
33 41 16 13-0019	LF		18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.51	10.15
			<i>For &lt;100, Add</i>	2.65	
			<i>For &gt;1,000, Deduct</i>	-1.63	
33 41 16 13-0020	LF		24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	30.45	11.16
			<i>For &lt;100, Add</i>	3.20	
			<i>For &gt;1,000, Deduct</i>	-2.08	

<b>33 41 16 13-0021 Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings</b> <small>(33 41 16 13-0001)</small>					
Note: Excludes couplings and gaskets.					

<b>33 41 16 13-0022 Tees, Single Wall, Corrugated High Density Polyethylene (HDPE)</b> <small>(33 41 16 13-0021)</small>					
33 41 16 13-0023	EA		4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	37.42	20.68
33 41 16 13-0024	EA		6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	44.42	24.13
33 41 16 13-0025	EA		8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	70.34	29.30
33 41 16 13-0026	EA		10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	90.04	36.20
33 41 16 13-0027	EA		12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	131.79	43.09
33 41 16 13-0028	EA		15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	279.56	56.30
33 41 16 13-0029	EA		18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	335.80	75.83
33 41 16 13-0030	EA		24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	625.18	86.18

<b>33 41 16 13-0031 Wyees, Single Wall, Corrugated High Density Polyethylene (HDPE)</b> <small>(33 41 16 13-0021)</small>					
33 41 16 13-0032	EA		4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	38.37	20.68
33 41 16 13-0033	EA		6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	47.54	24.13
33 41 16 13-0034	EA		8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	103.01	29.30

<b>33 41 16 13-0035 45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE)</b> <small>(33 41 16 13-0021)</small>					
33 41 16 13-0036	EA		4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	25.27	13.79

<b>33 41 16 13-0037 90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE)</b> <small>(33 41 16 13-0021)</small>					
33 41 16 13-0038	EA		4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	26.27	13.79
33 41 16 13-0039	EA		6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	33.65	16.09

**33 Utilities**  
**33 40 Stormwater Utilities**  
**33 41 Subdrainage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0040	EA		8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE) .....	49.22	19.54
33 41 16 13-0041	EA		10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE) .....	64.58	24.13
<b>33 41 16 13-0042</b>			<b>Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729</b> <small>(33 41 16 13)</small>		
			Note: Includes fittings, couplings, elbows, etc.		
33 41 16 13-0043	LF		3" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	5.56	3.49
			For <100, Add	0.80	
			For >1,000, Deduct	-0.45	
33 41 16 13-0044	LF		4" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	6.08	3.78
			For <100, Add	0.87	
			For >1,000, Deduct	-0.49	
33 41 16 13-0045	LF		6" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	8.47	4.52
			For <100, Add	1.10	
			For >1,000, Deduct	-0.65	
33 41 16 13-0046	LF		8" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	13.04	5.66
			For <100, Add	1.50	
			For >1,000, Deduct	-0.94	
33 41 16 13-0047	LF		10" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	20.65	5.89
			For <100, Add	1.92	
			For >1,000, Deduct	-1.33	
33 41 16 13-0048	LF		12" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	26.19	6.43
			For <100, Add	2.27	
			For >1,000, Deduct	-1.63	
33 41 16 13-0049	LF		15" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	37.92	7.25
			For <100, Add	2.98	
			For >1,000, Deduct	-2.26	
<b>33 41 16 13-0050</b>			<b>Perforated Non Reinforced Concrete Drainage Piping, C444</b> <small>(33 41 16 13)</small>		
33 41 16 13-0051	LF		6" Perforated Non Reinforced Concrete Drainage Pipe .....	28.18	10.70
			For Extra Strength, Add	1.52	
			For >1,000, Deduct	-1.41	
33 41 16 13-0052	LF		8" Perforated Non Reinforced Concrete Drainage Pipe .....	32.89	11.88
			For Extra Strength, Add	1.87	
			For >1,000, Deduct	-1.64	
33 41 16 13-0053	LF		10" Perforated Non Reinforced Concrete Drainage Pipe .....	37.19	13.07
			For Extra Strength, Add	2.17	
			For >1,000, Deduct	-1.86	
33 41 16 13-0054	LF		12" Perforated Non Reinforced Concrete Drainage Pipe .....	43.58	14.26
			For Extra Strength, Add	2.73	
			For >1,000, Deduct	-2.18	
<b>33 41 16 13-0055</b>			<b>Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654</b> <small>(33 41 16 13)</small>		
			Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 13-0056	LF		6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	23.48	10.70
			For >1,000, Deduct	-1.17	
33 41 16 13-0057	LF		8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	25.99	11.88
			For >1,000, Deduct	-1.30	
33 41 16 13-0058	LF		10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	28.67	13.07
			For >1,000, Deduct	-1.43	
33 41 16 13-0059	LF		12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	32.68	13.59
			For >1,000, Deduct	-1.63	
33 41 16 13-0060	LF		15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	37.92	15.28
			For >1,000, Deduct	-1.90	
33 41 16 13-0061	LF		18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	46.93	19.53
			For >1,000, Deduct	-2.35	
33 41 16 13-0062	LF		21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	58.65	25.05
			For >1,000, Deduct	-2.93	
33 41 16 13-0063	LF		24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	71.49	30.56
			For >1,000, Deduct	-3.57	
<b>33 41 16 13-0064</b>			<b>Standard Strength Porous Non Reinforced Concrete Drainage Piping, C654</b> <small>(33 41 16 13)</small>		
33 41 16 13-0065	LF		6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe.....	21.93	10.70
			For >1,000, Deduct	-1.10	
33 41 16 13-0066	LF		8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe.....	27.71	11.88
			For >1,000, Deduct	-1.39	
33 41 16 13-0067	LF		10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe.....	34.89	13.07
			For >1,000, Deduct	-1.74	
33 41 16 13-0068	LF		12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe.....	42.20	14.26
			For >1,000, Deduct	-2.11	
33 41 16 13-0069	LF		15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe.....	48.29	15.87
			For >1,000, Deduct	-2.41	
33 41 16 13-0070	LF		18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe.....	62.51	19.79
			For >1,000, Deduct	-3.13	
<b>33 41 16 13-0071</b>			<b>Perforated Vitrified Clay Drainage Piping, C700</b> <small>(33 41 16 13)</small>		
33 41 16 13-0072	LF		4" Perforated Vitrified Clay Drainage Pipe .....	24.13	11.88
33 41 16 13-0073	LF		6" Perforated Vitrified Clay Drainage Pipe .....	29.24	13.37
33 41 16 13-0074	LF		8" Perforated Vitrified Clay Drainage Pipe .....	34.31	13.37
33 41 16 13-0075	LF		10" Perforated Vitrified Clay Drainage Pipe .....	46.79	16.34
33 41 16 13-0076	LF		12" Perforated Vitrified Clay Drainage Pipe .....	56.42	17.83

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>33 41 16 13-0077</b>	<b>Geotextile Filter Fabric Sock</b> <small>(33 41 16 13)</small>				
33 41 16 13-0078	LF		3" Geotextile Filter Fabric Sock.....	0.65	
33 41 16 13-0079	LF		4" Geotextile Filter Fabric Sock.....	0.85	
33 41 16 13-0080	LF		6" Geotextile Filter Fabric Sock.....	1.29	
33 41 16 13-0081	LF		8" Geotextile Filter Fabric Sock.....	1.73	
33 41 16 13-0082	LF		10" Geotextile Filter Fabric Sock.....	2.56	
33 41 16 13-0083	LF		12" Geotextile Filter Fabric Sock.....	3.48	
33 41 16 13-0084	LF		15" Geotextile Filter Fabric Sock.....	4.14	

<b>33 41 16 13-0085</b>	<b>Strip-Perforated, Galvanized, Corrugated Steel Pipe</b> <small>(33 41 16 13)</small>				
Note: Perforations are located in the bottom quarter points of the pipe.					
33 41 16 13-0086	LF		6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	19.08	5.09
			<i>For Full Perforated, Add</i>	0.89	
33 41 16 13-0087	LF		8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	24.07	6.18
			<i>For Full Perforated, Add</i>	1.17	
33 41 16 13-0088	LF		10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	30.37	7.84
			<i>For Full Perforated, Add</i>	1.47	
33 41 16 13-0089	LF		12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	33.90	9.27
			<i>For Full Perforated, Add</i>	1.54	
33 41 16 13-0090	LF		15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	38.48	9.59
			<i>For Full Perforated, Add</i>	1.93	
33 41 16 13-0091	LF		18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	43.20	9.94
			<i>For Full Perforated, Add</i>	2.33	
33 41 16 13-0092	LF		21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	49.21	10.72
			<i>For Full Perforated, Add</i>	2.78	

<b>33 41 16 13-0093</b>	<b>Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe</b> <small>(33 41 16 13)</small>				
Note: Perforations are located in the bottom quarter points of the pipe.					
33 41 16 13-0094	LF		6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	20.51	5.09
			<i>For Full Perforated, Add</i>	1.03	
33 41 16 13-0095	LF		8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	26.01	6.18
			<i>For Full Perforated, Add</i>	1.37	
33 41 16 13-0096	LF		10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	32.74	7.84
			<i>For Full Perforated, Add</i>	1.71	
33 41 16 13-0097	LF		12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	36.20	9.27
			<i>For Full Perforated, Add</i>	1.77	
33 41 16 13-0098	LF		15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	41.33	9.59
			<i>For Full Perforated, Add</i>	2.22	
33 41 16 13-0099	LF		18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	46.58	9.94
			<i>For Full Perforated, Add</i>	2.67	
33 41 16 13-0100	LF		21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	53.14	10.72
			<i>For Full Perforated, Add</i>	3.17	

<b>33 41 16 13-0101</b>	<b>Strip-Perforated, Corrugated Aluminum Pipe</b> <small>(33 41 16 13)</small>				
Note: Perforations are located in the bottom quarter points of the pipe.					
33 41 16 13-0102	LF		6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	20.97	5.09
			<i>For Full Perforated, Add</i>	1.08	
33 41 16 13-0103	LF		8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	26.60	6.18
			<i>For Full Perforated, Add</i>	1.43	
33 41 16 13-0104	LF		10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	33.50	7.84
			<i>For Full Perforated, Add</i>	1.78	
33 41 16 13-0105	LF		12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	41.87	9.27
			<i>For Full Perforated, Add</i>	2.33	
33 41 16 13-0106	LF		15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	48.39	9.59
			<i>For Full Perforated, Add</i>	2.92	
33 41 16 13-0107	LF		18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	55.14	9.94
			<i>For Full Perforated, Add</i>	3.53	
33 41 16 13-0108	LF		21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	63.13	10.72
			<i>For Full Perforated, Add</i>	4.17	

<b>33 41 16 13-0109</b>	<b>Prefabricated Composite Drains</b> <small>(33 41 16 13)</small>				
<b>33 41 16 13-0110</b>	<b>Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)</b> <small>(33 41 16 13-0109)</small>				
Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.					
33 41 16 13-0111	LF		12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	8.61	1.99
			<i>For External Typar Geotextile Wrap, Add</i>	1.45	
33 41 16 13-0112	EA		Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	37.71	
33 41 16 13-0113	EA		End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	37.71	
33 41 16 13-0114	EA		Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	71.39	
33 41 16 13-0115	EA		End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	71.39	
33 41 16 13-0116	LF		18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	13.53	2.49
			<i>For External Typar Geotextile Wrap, Add</i>	2.18	
33 41 16 13-0117	EA		Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	55.00	
33 41 16 13-0118	EA		End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	55.00	
33 41 16 13-0119	EA		Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	93.24	
33 41 16 13-0120	EA		End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	93.24	

**33 41 19 Underslab Drainage** (33 41)

**33 Utilities****33 40 Stormwater Utilities****33 41 Subdrainage**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**33 41 19 13 Underslab Drainage Piping** (33 41 19)

33 41 19 13-0001	Capillary Water Barrier Underslab Drainage	(33 41 19 13)		
	Note: Consists of a layer of fine granular material overlying a coarse layer.			
33 41 19 13-0002	CY 2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage		32.44	
33 41 19 13-0003	CY 4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage		30.17	
33 41 19 13-0004	CY 6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage		29.27	
33 41 19 13-0005	CY 8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage		27.91	

**33 42 Stormwater Conveyance** (33 42)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

**33 42 11 Stormwater Gravity Piping** (33 42)**33 42 11 00-0001 Reinforced Concrete Piping** (33 42 11)**33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets** (33 42 11 00-0001)

33 42 11 00-0003	LF 12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets		42.04	14.26
	For >1,000, Deduct		-2.10	
	For Class 4, Add		2.06	
	For Class 5, Add		4.33	
33 42 11 00-0004	LF 15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets		50.41	15.87
	For >1,000, Deduct		-2.52	
	For Class 4, Add		2.64	
	For Class 5, Add		5.55	
33 42 11 00-0005	LF 18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets		57.44	19.79
	For >1,000, Deduct		-2.87	
	For Class 4, Add		2.77	
	For Class 5, Add		5.83	
33 42 11 00-0006	LF 21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets		73.58	24.96
	For >1,000, Deduct		-3.68	
	For Class 4, Add		3.60	
	For Class 5, Add		7.58	
33 42 11 00-0007	LF 24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets		86.20	30.31
	For >1,000, Deduct		-4.31	
	For Class 4, Add		4.08	
	For Class 5, Add		8.58	
33 42 11 00-0008	LF 27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets		109.52	38.76
	For >1,000, Deduct		-5.48	
	For Class 4, Add		5.14	
	For Class 5, Add		10.83	
33 42 11 00-0009	LF 30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets		116.42	40.03
	For >1,000, Deduct		-5.82	
	For Class 4, Add		5.56	
	For Class 5, Add		11.71	
33 42 11 00-0010	LF 36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets		143.74	45.49
	For >1,000, Deduct		-7.19	
	For Class 4, Add		7.55	
	For Class 5, Add		15.89	
33 42 11 00-0011	LF 42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets		185.70	50.03
	For >1,000, Deduct		-9.29	
	For Class 4, Add		10.92	
	For Class 5, Add		22.99	
33 42 11 00-0012	LF 48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets		222.14	55.71
	For >1,000, Deduct		-11.11	
	For Class 4, Add		13.54	
	For Class 5, Add		28.51	
33 42 11 00-0013	LF 54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets		276.06	63.68
	For >1,000, Deduct		-13.80	
	For Class 4, Add		17.58	
	For Class 5, Add		37.02	
33 42 11 00-0014	LF 60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets		333.16	73.86
	For >1,000, Deduct		-16.66	
	For Class 4, Add		21.63	
	For Class 5, Add		45.53	
33 42 11 00-0015	LF 66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets		511.37	81.87
	For >1,000, Deduct		-25.57	
	For Class 4, Add		37.52	
	For Class 5, Add		78.99	
33 42 11 00-0016	LF 72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets		596.19	89.14
	For >1,000, Deduct		-29.81	
	For Class 4, Add		44.54	
	For Class 5, Add		93.77	
33 42 11 00-0017	LF 78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets		716.48	100.07
	For >1,000, Deduct		-35.82	
	For Class 4, Add		54.45	
	For Class 5, Add		114.64	
33 42 11 00-0018	LF 84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets		921.72	111.43
	For >1,000, Deduct		-46.09	
	For Class 4, Add		72.44	
	For Class 5, Add		152.51	

**33 42 11 00-0019 HE-I Elliptical Reinforced Concrete Piping Without Gaskets** (33 42 11 00-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0020	LF		12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size) .....	65.33	22.61
			For >1,000, Deduct	-3.27	
			For Horizontal Elliptical - II (HE- II), Add	3.30	
			For Horizontal Elliptical - III (HE- III), Add	7.26	
			For Horizontal Elliptical - IV (HE- IV), Add	15.85	
33 42 11 00-0021	LF		14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size) .....	100.72	26.32
			For >1,000, Deduct	-5.04	
			For Horizontal Elliptical - II (HE- II), Add	6.31	
			For Horizontal Elliptical - III (HE- III), Add	13.89	
			For Horizontal Elliptical - IV (HE- IV), Add	30.30	
33 42 11 00-0022	LF		19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size) .....	140.18	40.31
			For >1,000, Deduct	-7.01	
			For Horizontal Elliptical - II (HE- II), Add	8.26	
			For Horizontal Elliptical - III (HE- III), Add	18.17	
			For Horizontal Elliptical - IV (HE- IV), Add	39.64	
33 42 11 00-0023	LF		22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size) .....	165.97	51.55
			For >1,000, Deduct	-8.30	
			For Horizontal Elliptical - II (HE- II), Add	9.23	
			For Horizontal Elliptical - III (HE- III), Add	20.31	
			For Horizontal Elliptical - IV (HE- IV), Add	44.31	
33 42 11 00-0024	LF		24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size) .....	176.11	53.86
			For >1,000, Deduct	-8.81	
			For Horizontal Elliptical - II (HE- II), Add	9.92	
			For Horizontal Elliptical - III (HE- III), Add	21.82	
			For Horizontal Elliptical - IV (HE- IV), Add	47.60	
33 42 11 00-0025	LF		27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size) .....	201.82	56.87
			For >1,000, Deduct	-10.09	
			For Horizontal Elliptical - II (HE- II), Add	12.06	
			For Horizontal Elliptical - III (HE- III), Add	26.53	
			For Horizontal Elliptical - IV (HE- IV), Add	57.88	
33 42 11 00-0026	LF		29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size) .....	227.55	59.87
			For >1,000, Deduct	-11.38	
			For Horizontal Elliptical - II (HE- II), Add	14.20	
			For Horizontal Elliptical - III (HE- III), Add	31.24	
			For Horizontal Elliptical - IV (HE- IV), Add	68.16	
33 42 11 00-0027	LF		34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size) .....	276.81	65.88
			For >1,000, Deduct	-13.84	
			For Horizontal Elliptical - II (HE- II), Add	18.27	
			For Horizontal Elliptical - III (HE- III), Add	40.19	
			For Horizontal Elliptical - IV (HE- IV), Add	87.69	
33 42 11 00-0028	LF		38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size) .....	333.14	74.10
			For >1,000, Deduct	-16.66	
			For Horizontal Elliptical - II (HE- II), Add	22.73	
			For Horizontal Elliptical - III (HE- III), Add	50.00	
			For Horizontal Elliptical - IV (HE- IV), Add	109.09	
33 42 11 00-0029	LF		43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size) .....	379.26	84.68
			For >1,000, Deduct	-18.96	
			For Horizontal Elliptical - II (HE- II), Add	25.83	
			For Horizontal Elliptical - III (HE- III), Add	56.82	
			For Horizontal Elliptical - IV (HE- IV), Add	123.97	
33 42 11 00-0030	LF		48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size) .....	469.22	98.25
			For >1,000, Deduct	-23.46	
			For Horizontal Elliptical - II (HE- II), Add	32.89	
			For Horizontal Elliptical - III (HE- III), Add	72.35	
			For Horizontal Elliptical - IV (HE- IV), Add	157.86	
33 42 11 00-0031	LF		53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size) .....	535.27	108.25
33 42 11 00-0032	LF		58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size) .....	648.24	118.26
33 42 11 00-0033	LF		63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size) .....	773.78	133.72
33 42 11 00-0034	LF		68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size) .....	837.92	148.27
33 42 11 00-0035	LF		72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size) .....	1,070.74	155.55
33 42 11 00-0036	LF		77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size) .....	1,239.74	162.83
<b>33 42 11 00-0037</b>			<b>Concrete Reducing Wye Without Gaskets (33 42 11 00-0001)</b>		
33 42 11 00-0038	EA		12" Concrete Reducing Wye Without Gaskets .....	505.89	54.34
33 42 11 00-0039	EA		15" Concrete Reducing Wye Without Gaskets .....	606.74	66.22
33 42 11 00-0040	EA		18" Concrete Reducing Wye Without Gaskets .....	749.28	73.02
33 42 11 00-0041	EA		21" Concrete Reducing Wye Without Gaskets .....	860.27	89.99
33 42 11 00-0042	EA		24" Concrete Reducing Wye Without Gaskets .....	972.59	108.68
<b>33 42 11 00-0043</b>			<b>Concrete Pipe Joint Gaskets (33 42 11 00-0001)</b>		
33 42 11 00-0044	EA		12" Diameter Concrete Pipe Joint Gasket .....	4.80	
33 42 11 00-0045	EA		15" Diameter Concrete Pipe Joint Gasket .....	5.68	
33 42 11 00-0046	EA		18" Diameter Concrete Pipe Joint Gasket .....	6.58	
33 42 11 00-0047	EA		21" Diameter Concrete Pipe Joint Gasket .....	7.96	
33 42 11 00-0048	EA		24" Diameter Concrete Pipe Joint Gasket .....	9.32	
33 42 11 00-0049	EA		27" Diameter Concrete Pipe Joint Gasket .....	10.39	
33 42 11 00-0050	EA		30" Diameter Concrete Pipe Joint Gasket .....	11.41	
33 42 11 00-0051	EA		36" Diameter Concrete Pipe Joint Gasket .....	13.94	
33 42 11 00-0052	EA		42" Diameter Concrete Pipe Joint Gasket .....	16.17	
33 42 11 00-0053	EA		48" Diameter Concrete Pipe Joint Gasket .....	18.64	
33 42 11 00-0054	EA		54" Diameter Concrete Pipe Joint Gasket .....	22.85	
33 42 11 00-0055	EA		60" Diameter Concrete Pipe Joint Gasket .....	33.83	
33 42 11 00-0056	EA		66" Diameter Concrete Pipe Joint Gasket .....	35.17	
33 42 11 00-0057	EA		72" Diameter Concrete Pipe Joint Gasket .....	36.46	
33 42 11 00-0058	EA		78" Diameter Concrete Pipe Joint Gasket .....	41.99	
33 42 11 00-0059	EA		84" Diameter Concrete Pipe Joint Gasket .....	50.34	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
33 42 11 00-0060		<b>Precast Concrete Cut Off Wall</b> (33 42 11 00-0001)			
33 42 11 00-0061	EA	12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	225.21		160.09
33 42 11 00-0062	EA	15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	277.88		198.30
33 42 11 00-0063	EA	18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	345.10		251.06
33 42 11 00-0064	EA	21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	408.69		300.19
33 42 11 00-0065	EA	24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	470.34		347.39
33 42 11 00-0066	EA	27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	581.32		443.91
33 42 11 00-0067	EA	30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	763.29		611.29
33 42 11 00-0068	EA	36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	952.42		771.38
33 42 11 00-0069	EA	42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,177.51		967.68
33 42 11 00-0070	EA	48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,318.60		1,090.67
33 42 11 00-0071	EA	54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,472.63		1,222.56
33 42 11 00-0072	EA	60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,629.01		1,358.10
33 42 11 00-0073	EA	66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,692.59		1,409.95
33 42 11 00-0074	EA	72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,748.49		1,455.44
33 42 11 00-0075	EA	78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,804.38		1,500.91
33 42 11 00-0076	EA	84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,861.60		1,546.40
33 42 11 00-0077		<b>Strap Assembly</b> (33 42 11 00-0001)			
		Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.			
33 42 11 00-0078	EA	Up To 24" Diameter Pipe, 12' Strap Assembly	200.23		
33 42 11 00-0079	EA	>24" Diameter Pipe, 12' Strap Assembly	281.69		
33 42 11 00-0080		<b>Prestressed Concrete Cylinder Piping</b> (33 42 11)			
33 42 11 00-0081		<b>150 PSI Prestressed Concrete Cylinder Pipe And Fittings</b> (33 42 11 00-0080)			
33 42 11 00-0082		<b>150 PSI Prestressed Concrete Cylinder Pipe With Gaskets</b> (33 42 11 00-0081)			
		Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".			
33 42 11 00-0083	LF	12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	113.70		14.26
		For >1,000, Deduct	-5.69		
		For 100 PSI, Deduct	-23.33		
33 42 11 00-0084	LF	15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	121.39		15.87
		For >1,000, Deduct	-6.07		
		For 100 PSI, Deduct	-24.68		
33 42 11 00-0085	LF	18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	132.39		19.79
		For >1,000, Deduct	-6.62		
		For 100 PSI, Deduct	-26.03		
33 42 11 00-0086	LF	21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	145.18		24.96
		For >1,000, Deduct	-7.26		
		For 100 PSI, Deduct	-27.38		
33 42 11 00-0087	LF	24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	158.23		30.31
		For >1,000, Deduct	-7.91		
		For 100 PSI, Deduct	-28.73		
33 42 11 00-0088	LF	30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	186.53		40.03
		For >1,000, Deduct	-9.33		
		For 100 PSI, Deduct	-32.17		
33 42 11 00-0089	LF	36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	206.74		45.49
		For >1,000, Deduct	-10.34		
		For 100 PSI, Deduct	-35.61		
33 42 11 00-0090	LF	42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	239.72		50.03
		For >1,000, Deduct	-11.99		
		For 100 PSI, Deduct	-42.24		
33 42 11 00-0091	LF	48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	275.06		55.71
		For >1,000, Deduct	-13.75		
		For 100 PSI, Deduct	-48.87		
33 42 11 00-0092	LF	54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	364.89		72.52
		For >1,000, Deduct	-18.24		
		For 100 PSI, Deduct	-65.32		
33 42 11 00-0093	LF	60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	439.41		84.13
		For >1,000, Deduct	-21.97		
		For 100 PSI, Deduct	-79.81		
33 42 11 00-0094	LF	66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	493.59		93.23
		For >1,000, Deduct	-24.68		
		For 100 PSI, Deduct	-90.25		
33 42 11 00-0095	LF	72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	550.23		101.52
		For >1,000, Deduct	-27.51		
		For 100 PSI, Deduct	-101.30		
33 42 11 00-0096	LF	78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	624.83		113.96
		For >1,000, Deduct	-31.24		
		For 100 PSI, Deduct	-115.42		
33 42 11 00-0097	LF	84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	699.44		126.91
		For >1,000, Deduct	-34.97		
		For 100 PSI, Deduct	-129.54		
33 42 11 00-0098		<b>150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets</b> (33 42 11 00-0081)			
33 42 11 00-0099	EA	12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	392.68		133.72
33 42 11 00-0100	EA	15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	544.14		191.02
33 42 11 00-0101	EA	18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	700.94		254.70
33 42 11 00-0102	EA	21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	857.77		318.38
33 42 11 00-0103	EA	24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,042.59		395.63
33 42 11 00-0104	EA	30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,333.75		530.63



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0105	EA		36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,666.16	636.75
33 42 11 00-0106	EA		42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,940.66	743.18
33 42 11 00-0107	EA		48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,186.68	848.70
33 42 11 00-0108	EA		54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,692.26	1,059.74
33 42 11 00-0109	EA		60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,557.53	1,450.35

**33 42 11 00-0110 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets <sup>(33)</sup>**

33 42 11 00-0111	EA		12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	367.63	133.72
33 42 11 00-0112	EA		15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	511.72	191.02
33 42 11 00-0113	EA		18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	662.64	254.70
33 42 11 00-0114	EA		21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	813.57	318.38
33 42 11 00-0115	EA		24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	992.50	395.63
33 42 11 00-0116	EA		30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,264.99	494.97
33 42 11 00-0117	EA		36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,587.58	636.75
33 42 11 00-0118	EA		42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,849.80	743.18
33 42 11 00-0119	EA		48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,088.95	848.70
33 42 11 00-0120	EA		54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,550.42	1,059.74
33 42 11 00-0121	EA		60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,425.24	1,450.35

**33 42 11 00-0122 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints <sup>(33 42 11 00-0080)</sup>**

**33 42 11 00-0123 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints <sup>(33 42 11 00-0122)</sup>**

Note: AWWA C301					
33 42 11 00-0124	LF		30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	218.83	40.03
For >1,000, Deduct				-10.94	
33 42 11 00-0125	LF		36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	266.39	45.49
For >1,000, Deduct				-13.32	
33 42 11 00-0126	LF		42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	310.53	50.03
For >1,000, Deduct				-15.53	

**33 42 11 00-0127 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints <sup>(33 42 11 00-0122)</sup>**

Note: AWWA C301					
33 42 11 00-0128	LF		48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	417.29	55.67
For >1,000, Deduct				-20.86	
33 42 11 00-0129	LF		54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	501.40	72.52
For >1,000, Deduct				-25.07	
33 42 11 00-0130	LF		60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	578.07	84.13
For >1,000, Deduct				-28.90	
33 42 11 00-0131	LF		66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	650.60	93.23
For >1,000, Deduct				-32.53	
33 42 11 00-0132	LF		72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	786.87	101.52
For >1,000, Deduct				-39.34	

**33 42 11 00-0133 Welded Joints For Prestressed Concrete Cylinder Pipe <sup>(33 42 11 00-0122)</sup>**

Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.					
33 42 11 00-0134	EA		30" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,501.43	
33 42 11 00-0135	EA		36" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,612.65	
33 42 11 00-0136	EA		42" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,668.26	
33 42 11 00-0137	EA		48" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,890.69	
33 42 11 00-0138	EA		54" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,946.30	
33 42 11 00-0139	EA		60" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,057.52	
33 42 11 00-0140	EA		66" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,113.12	
33 42 11 00-0141	EA		72" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,168.73	
33 42 11 00-0142	EA		30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,780.43	
33 42 11 00-0143	EA		36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,780.43	
33 42 11 00-0144	EA		42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,169.69	
33 42 11 00-0145	EA		48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,169.69	
33 42 11 00-0146	EA		54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,392.12	
33 42 11 00-0147	EA		60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,392.12	
33 42 11 00-0148	EA		66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,670.16	
33 42 11 00-0149	EA		72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,670.16	

**33 42 11 00-0150 Quick Test Joints <sup>(33 42 11 00-0122)</sup>**

33 42 11 00-0151	EA		30" Quick Test Joint.....	438.97	
33 42 11 00-0152	EA		36" Quick Test Joint.....	443.52	
33 42 11 00-0153	EA		42" Quick Test Joint.....	448.07	
33 42 11 00-0154	EA		48" Quick Test Joint.....	457.66	
33 42 11 00-0155	EA		54" Quick Test Joint.....	481.56	
33 42 11 00-0156	EA		60" Quick Test Joint.....	500.32	
33 42 11 00-0157	EA		66" Quick Test Joint.....	527.46	
33 42 11 00-0158	EA		72" Quick Test Joint.....	554.63	

**33 42 11 00-0159 Harnessed Joints <sup>(33 42 11 00-0122)</sup>**

**33 42 11 00-0160 Harness Clamp Restrained Joints <sup>(33 42 11 00-0159)</sup>**

33 42 11 00-0161	EA		30" Harness Clamp Restrained Joint.....	2,857.01	
33 42 11 00-0162	EA		36" Harness Clamp Restrained Joint.....	2,968.64	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 42 11 00-0163	EA	42" Harness Clamp Restrained Joint .....		3,080.28	
33 42 11 00-0164	EA	48" Harness Clamp Restrained Joint .....		3,191.90	
33 42 11 00-0165	EA	54" Harness Clamp Restrained Joint .....		3,316.18	
33 42 11 00-0166	EA	60" Harness Clamp Restrained Joint .....		3,487.17	
33 42 11 00-0167	EA	66" Harness Clamp Restrained Joint .....		3,604.61	
33 42 11 00-0168	EA	72" Harness Clamp Restrained Joint .....		3,861.27	
<b>33 42 11 00-0169</b>		<b>Snap Ring Restrained Joints</b> (33 42 11 00-0159)			
33 42 11 00-0170	EA	30" Snap Ring Restrained Joint .....		501.11	
33 42 11 00-0171	EA	36" Snap Ring Restrained Joint .....		569.92	
33 42 11 00-0172	EA	42" Snap Ring Restrained Joint .....		756.51	
33 42 11 00-0173	EA	48" Snap Ring Restrained Joint .....		857.43	
33 42 11 00-0174	EA	54" Snap Ring Restrained Joint .....		971.00	
33 42 11 00-0175	EA	60" Snap Ring Restrained Joint .....		1,099.15	
33 42 11 00-0176	EA	66" Snap Ring Restrained Joint .....		1,216.59	
33 42 11 00-0177	EA	72" Snap Ring Restrained Joint .....		1,355.46	
<b>33 42 11 00-0178</b>		<b>Pipe Repairs</b> (33 42 11 00-0122)			
		Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJD sleeve, 20' pipe.			
<b>33 42 11 00-0179</b>		<b>Lined Cylinder Pipe Repair</b> (33 42 11 00-0178)			
33 42 11 00-0180	EA	30" Lined Cylinder Pipe Repair .....		4,908.14	
33 42 11 00-0181	EA	36" Lined Cylinder Pipe Repair .....		6,073.36	
33 42 11 00-0182	EA	42" Lined Cylinder Pipe Repair .....		8,421.84	
<b>33 42 11 00-0183</b>		<b>Embedded Cylinder Pipe Repair</b> (33 42 11 00-0178)			
		Note: Field welded concrete enclosure assembly with concrete pipe.			
33 42 11 00-0184	EA	48" Embedded Cylinder Pipe Repair .....		12,520.41	
33 42 11 00-0185	EA	54" Embedded Cylinder Pipe Repair .....		14,536.91	
33 42 11 00-0186	EA	60" Embedded Cylinder Pipe Repair .....		16,568.60	
33 42 11 00-0187	EA	66" Embedded Cylinder Pipe Repair .....		18,718.89	
33 42 11 00-0188	EA	72" Embedded Cylinder Pipe Repair .....		22,501.85	
<b>33 42 11 00-0189</b>		<b>High Density Polyethylene (HDPE) Drainage Piping</b> (33 42 11)			
<b>33 42 11 00-0190</b>		<b>Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> (33 42 11 00-0189)			
		Note: Excludes couplings and gaskets.			
<b>33 42 11 00-0191</b>		<b>Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> (33 42 11 00-0190)			
33 42 11 00-0192	LF	4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....		13.01	6.00
		For <100, Add		2.40	
		For >1,000, Deduct		-1.25	
33 42 11 00-0193	LF	6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....		16.55	6.98
		For <100, Add		2.79	
		For >1,000, Deduct		-1.53	
33 42 11 00-0194	LF	8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....		20.11	8.11
		For <100, Add		3.24	
		For >1,000, Deduct		-1.82	
33 42 11 00-0195	LF	10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....		22.41	8.40
		For <100, Add		3.36	
		For >1,000, Deduct		-1.96	
33 42 11 00-0196	LF	12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....		23.48	8.69
		For <100, Add		3.48	
		For >1,000, Deduct		-2.04	
33 42 11 00-0197	LF	15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....		26.17	8.99
		For <100, Add		3.60	
		For >1,000, Deduct		-2.21	
33 42 11 00-0198	LF	18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....		30.85	9.33
		For <100, Add		3.73	
		For >1,000, Deduct		-2.48	
33 42 11 00-0199	LF	24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....		41.28	10.92
		For <100, Add		4.37	
		For >1,000, Deduct		-3.16	
33 42 11 00-0200	LF	30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....		58.12	14.70
		For <100, Add		5.88	
		For >1,000, Deduct		-4.38	
33 42 11 00-0201	LF	36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....		75.99	18.59
		For <100, Add		7.43	
		For >1,000, Deduct		-5.66	
<b>33 42 11 00-0202</b>		<b>Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> (33 42 11 00-0190)			
33 42 11 00-0203	LF	12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....		23.37	8.69
		For <100, Add		3.48	
		For >1,000, Deduct		-2.04	
33 42 11 00-0204	LF	15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....		26.60	8.99
		For <100, Add		3.60	
		For >1,000, Deduct		-2.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0205	LF		18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	31.50	9.33
			For <100, Add	3.73	
			For >1,000, Deduct	-2.51	
33 42 11 00-0206	LF		24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	42.30	10.92
			For <100, Add	4.37	
			For >1,000, Deduct	-3.21	
33 42 11 00-0207	LF		30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	60.92	14.70
			For <100, Add	5.88	
			For >1,000, Deduct	-4.52	
33 42 11 00-0208	LF		36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	78.07	18.59
			For <100, Add	7.43	
			For >1,000, Deduct	-5.76	
33 42 11 00-0209	LF		42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	99.59	20.28
			For <100, Add	8.11	
			For >1,000, Deduct	-7.01	
33 42 11 00-0210	LF		48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	109.03	22.88
			For <100, Add	9.15	
			For >1,000, Deduct	-7.74	
<b>33 42 11 00-0211</b>			<b>Perforated, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0189)</small>		
			Note: Excludes couplings and gaskets.		
<b>33 42 11 00-0212</b>			<b>Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0211)</small>		
33 42 11 00-0213	LF		4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	13.55	6.00
			For <100, Add	2.40	
			For >1,000, Deduct	-1.28	
33 42 11 00-0214	LF		6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	16.57	6.98
			For <100, Add	2.79	
			For >1,000, Deduct	-1.53	
33 42 11 00-0215	LF		8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	20.11	8.11
			For <100, Add	3.24	
			For >1,000, Deduct	-1.82	
33 42 11 00-0216	LF		10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.43	8.40
			For <100, Add	3.36	
			For >1,000, Deduct	-1.96	
33 42 11 00-0217	LF		12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	23.48	8.69
			For <100, Add	3.48	
			For >1,000, Deduct	-2.04	
33 42 11 00-0218	LF		15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.19	8.99
			For <100, Add	3.60	
			For >1,000, Deduct	-2.21	
33 42 11 00-0219	LF		18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	30.87	9.33
			For <100, Add	3.73	
			For >1,000, Deduct	-2.48	
33 42 11 00-0220	LF		24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	41.28	10.92
			For <100, Add	4.37	
			For >1,000, Deduct	-3.16	
33 42 11 00-0221	LF		30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	58.30	14.70
			For <100, Add	5.88	
			For >1,000, Deduct	-4.39	
33 42 11 00-0222	LF		36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	75.99	18.59
			For <100, Add	7.43	
			For >1,000, Deduct	-5.66	
<b>33 42 11 00-0223</b>			<b>Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0211)</small>		
33 42 11 00-0224	LF		12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	23.39	8.69
			For <100, Add	3.48	
			For >1,000, Deduct	-2.04	
33 42 11 00-0225	LF		15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.62	8.99
			For <100, Add	3.60	
			For >1,000, Deduct	-2.23	
33 42 11 00-0226	LF		18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	31.52	9.33
			For <100, Add	3.73	
			For >1,000, Deduct	-2.51	
33 42 11 00-0227	LF		24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	42.30	10.92
			For <100, Add	4.37	
			For >1,000, Deduct	-3.21	
33 42 11 00-0228	LF		30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	60.92	14.70
			For <100, Add	5.88	
			For >1,000, Deduct	-4.52	
33 42 11 00-0229	LF		36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	78.07	18.59
			For <100, Add	7.43	
			For >1,000, Deduct	-5.76	
33 42 11 00-0230	LF		42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	99.59	20.28
			For <100, Add	8.11	
			For >1,000, Deduct	-7.01	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0231	LF		48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	109.03	22.88
			For <100, Add	9.15	
			For >1,000, Deduct	-7.74	
<b>33 42 11 00-0232</b>			<b>Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings</b> (33 42 11 00-0189)		
			Note: Excludes couplings and gaskets.		
<b>33 42 11 00-0233</b>			<b>Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)</b> (33 42 11 00-0232)		
33 42 11 00-0234	EA		4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	52.95	20.68
33 42 11 00-0235	EA		6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	66.23	24.13
33 42 11 00-0236	EA		8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	105.36	29.30
33 42 11 00-0237	EA		10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	159.31	36.20
33 42 11 00-0238	EA		12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	249.09	43.09
33 42 11 00-0239	EA		15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	350.83	56.30
33 42 11 00-0240	EA		18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	503.69	75.83
33 42 11 00-0241	EA		24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	643.76	86.56
33 42 11 00-0242	EA		30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	1,116.57	99.97
33 42 11 00-0243	EA		36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	1,431.93	115.48
33 42 11 00-0244	EA		42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	2,374.94	137.88
33 42 11 00-0245	EA		48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	2,979.43	163.74
<b>33 42 11 00-0246</b>			<b>Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)</b> (33 42 11 00-0232)		
33 42 11 00-0247	EA		4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	76.03	20.68
33 42 11 00-0248	EA		6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	91.55	24.13
33 42 11 00-0249	EA		8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	121.34	29.30
33 42 11 00-0250	EA		10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	176.94	36.20
33 42 11 00-0251	EA		12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	305.79	43.09
33 42 11 00-0252	EA		15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	333.43	56.30
33 42 11 00-0253	EA		18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	469.86	75.83
<b>33 42 11 00-0254</b>			<b>22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)</b> (33 42 11 00-0232)		
33 42 11 00-0255	EA		4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	32.40	13.79
33 42 11 00-0256	EA		6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	39.83	16.09
33 42 11 00-0257	EA		8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	57.44	19.54
33 42 11 00-0258	EA		10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	72.22	24.13
33 42 11 00-0259	EA		12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	103.70	28.73
33 42 11 00-0260	EA		15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	162.37	36.77
33 42 11 00-0261	EA		18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	215.50	50.56
33 42 11 00-0262	EA		24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	402.41	57.45
33 42 11 00-0263	EA		30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	556.90	66.64
33 42 11 00-0264	EA		36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	652.42	76.98
33 42 11 00-0265	EA		42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	832.67	91.92
33 42 11 00-0266	EA		48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	1,123.09	109.15
<b>33 42 11 00-0267</b>			<b>45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)</b> (33 42 11 00-0232)		
33 42 11 00-0268	EA		4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	34.93	13.79
33 42 11 00-0269	EA		6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	45.09	16.09
33 42 11 00-0270	EA		8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	60.12	19.54
33 42 11 00-0271	EA		10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	94.06	24.13
33 42 11 00-0272	EA		12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	103.70	28.73
33 42 11 00-0273	EA		15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	161.93	36.77
33 42 11 00-0274	EA		18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	250.73	50.56
33 42 11 00-0275	EA		24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	429.63	57.45
33 42 11 00-0276	EA		30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	558.19	66.64
33 42 11 00-0277	EA		36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	711.08	76.98
33 42 11 00-0278	EA		42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	1,059.07	91.92
33 42 11 00-0279	EA		48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	1,326.01	109.15
<b>33 42 11 00-0280</b>			<b>Couplings And End Caps, Corrugated High Density Polyethylene (HDPE) Pipe Fittings</b> (33 42 11 00-0189)		
			Note: For single and double wall high density polyethylene (HDPE) piping.		
<b>33 42 11 00-0281</b>			<b>Couplings, Corrugated High Density Polyethylene (HDPE) Pipe</b> (33 42 11 00-0280)		
33 42 11 00-0282	EA		4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	1.50	
33 42 11 00-0283	EA		6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	2.70	
33 42 11 00-0284	EA		8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	4.16	
33 42 11 00-0285	EA		10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	5.11	
33 42 11 00-0286	EA		12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	5.50	
33 42 11 00-0287	EA		15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	7.83	
33 42 11 00-0288	EA		18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	11.59	
33 42 11 00-0289	EA		24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	18.45	
33 42 11 00-0290	EA		30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	28.32	
33 42 11 00-0291	EA		36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	37.06	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0292	EA	42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	58.26
33 42 11 00-0293	EA	48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	78.79

**33 42 11 00-0294 Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe** (33 42 11 00-0294)

33 42 11 00-0295	EA	4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	79.78
33 42 11 00-0296	EA	6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	83.53
33 42 11 00-0297	EA	8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	87.46
33 42 11 00-0298	EA	10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	91.57
33 42 11 00-0299	EA	12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	108.61
33 42 11 00-0300	EA	15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	112.14
33 42 11 00-0301	EA	18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	116.96
33 42 11 00-0302	EA	24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	133.23
33 42 11 00-0303	EA	30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	213.57
33 42 11 00-0304	EA	36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	233.93
33 42 11 00-0305	EA	42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	254.88
33 42 11 00-0306	EA	48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	309.56

**33 42 11 00-0307 End Caps, Corrugated High Density Polyethylene (HDPE) Pipe** (33 42 11 00-0307)

33 42 11 00-0308	EA	6" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe.....	26.35
33 42 11 00-0309	EA	8" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe.....	30.59
33 42 11 00-0310	EA	10" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe.....	47.55
33 42 11 00-0311	EA	12" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe.....	78.53
33 42 11 00-0312	EA	15" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe.....	91.00
33 42 11 00-0313	EA	18" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe.....	121.86
33 42 11 00-0314	EA	24" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe.....	126.77

**33 42 11 00-0315 Vitrified Clay Piping** (33 42 11)

**33 42 11 00-0316 Extra Strength Vitrified Clay Piping** (33 42 11 00-0316)

**33 42 11 00-0317 Plain Joint, Extra Strength, Vitrified Clay Piping** (33 42 11 00-0317)

Note: ASTM C700.

33 42 11 00-0318	LF	4" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	20.44
		<i>For 3' Lengths, Add</i>	2.16
		<i>For 2' Lengths, Add</i>	2.88
		<i>For Standard Strength, Deduct</i>	-0.72
		<i>For &gt;1,000, Deduct</i>	-1.02
33 42 11 00-0319	LF	6" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	33.75
		<i>For 3' Lengths, Add</i>	3.36
		<i>For 2' Lengths, Add</i>	4.48
		<i>For Standard Strength, Deduct</i>	-1.12
		<i>For &gt;1,000, Deduct</i>	-1.69
33 42 11 00-0320	LF	8" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	41.06
		<i>For 3' Lengths, Add</i>	4.80
		<i>For 2' Lengths, Add</i>	6.40
		<i>For Standard Strength, Deduct</i>	-1.60
		<i>For &gt;1,000, Deduct</i>	-2.05
33 42 11 00-0321	LF	10" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	50.56
		<i>For 3' Lengths, Add</i>	7.35
		<i>For 2' Lengths, Add</i>	9.80
		<i>For Standard Strength, Deduct</i>	-2.45
		<i>For &gt;1,000, Deduct</i>	-2.53
33 42 11 00-0322	LF	12" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	63.03
		<i>For 3' Lengths, Add</i>	10.38
		<i>For 2' Lengths, Add</i>	13.84
		<i>For Standard Strength, Deduct</i>	-3.46
		<i>For &gt;1,000, Deduct</i>	-3.15
33 42 11 00-0323	LF	15" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	96.51
		<i>For 3' Lengths, Add</i>	19.47
		<i>For 2' Lengths, Add</i>	25.96
		<i>For Standard Strength, Deduct</i>	-6.49
		<i>For &gt;1,000, Deduct</i>	-4.83
33 42 11 00-0324	LF	18" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	132.44
		<i>For 3' Lengths, Add</i>	27.90
		<i>For 2' Lengths, Add</i>	37.20
		<i>For Standard Strength, Deduct</i>	-9.30
		<i>For &gt;1,000, Deduct</i>	-6.62
33 42 11 00-0325	LF	21" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	198.73
		<i>For 3' Lengths, Add</i>	44.70
		<i>For 2' Lengths, Add</i>	59.60
		<i>For Standard Strength, Deduct</i>	-14.90
		<i>For &gt;1,000, Deduct</i>	-9.94
33 42 11 00-0326	LF	24" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	255.04
		<i>For 3' Lengths, Add</i>	58.40
		<i>For 2' Lengths, Add</i>	77.86
		<i>For Standard Strength, Deduct</i>	-19.47
		<i>For &gt;1,000, Deduct</i>	-12.75
33 42 11 00-0327	LF	30" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	316.05
		<i>For 3' Lengths, Add</i>	72.82
		<i>For 2' Lengths, Add</i>	97.09
		<i>For Standard Strength, Deduct</i>	-24.27
		<i>For &gt;1,000, Deduct</i>	-15.80

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0328	LF		36" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	382.24	
			<i>For 3' Lengths, Add</i>	87.96	
			<i>For 2' Lengths, Add</i>	117.28	
			<i>For Standard Strength, Deduct</i>	-29.32	
			<i>For &gt;1,000, Deduct</i>	-19.11	
<b>33 42 11 00-0329</b>			<b>Compression Joint, Extra Strength, Vitrified Clay Piping</b> (33 42 11 00-0316)		
			Note: ASTM C425.		
33 42 11 00-0330	LF		4" Compression Joint, Extra Strength, Vitrified Clay Pipe .....	28.55	
			<i>For 3' Lengths, Add</i>	2.55	
			<i>For 2' Lengths, Add</i>	3.40	
			<i>For Standard Strength, Deduct</i>	-0.85	
			<i>For &gt;1,000, Deduct</i>	-1.43	
33 42 11 00-0331	LF		6" Compression Joint, Extra Strength, Vitrified Clay Pipe .....	36.44	
			<i>For 3' Lengths, Add</i>	4.17	
			<i>For 2' Lengths, Add</i>	5.56	
			<i>For Standard Strength, Deduct</i>	-1.39	
			<i>For &gt;1,000, Deduct</i>	-1.82	
33 42 11 00-0332	LF		8" Compression Joint, Extra Strength, Vitrified Clay Pipe .....	44.66	
			<i>For 3' Lengths, Add</i>	5.88	
			<i>For 2' Lengths, Add</i>	7.84	
			<i>For Standard Strength, Deduct</i>	-1.96	
			<i>For &gt;1,000, Deduct</i>	-2.23	
33 42 11 00-0333	LF		10" Compression Joint, Extra Strength, Vitrified Clay Pipe .....	58.25	
			<i>For 3' Lengths, Add</i>	9.66	
			<i>For 2' Lengths, Add</i>	12.88	
			<i>For Standard Strength, Deduct</i>	-3.22	
			<i>For &gt;1,000, Deduct</i>	-2.91	
33 42 11 00-0334	LF		12" Compression Joint, Extra Strength, Vitrified Clay Pipe .....	70.72	
			<i>For 3' Lengths, Add</i>	12.69	
			<i>For 2' Lengths, Add</i>	16.92	
			<i>For Standard Strength, Deduct</i>	-4.23	
			<i>For &gt;1,000, Deduct</i>	-3.54	
33 42 11 00-0335	LF		15" Compression Joint, Extra Strength, Vitrified Clay Pipe .....	108.76	
			<i>For 3' Lengths, Add</i>	23.14	
			<i>For 2' Lengths, Add</i>	30.86	
			<i>For Standard Strength, Deduct</i>	-7.71	
			<i>For &gt;1,000, Deduct</i>	-5.44	
33 42 11 00-0336	LF		18" Compression Joint, Extra Strength, Vitrified Clay Pipe .....	152.39	
			<i>For 3' Lengths, Add</i>	33.89	
			<i>For 2' Lengths, Add</i>	45.18	
			<i>For Standard Strength, Deduct</i>	-11.30	
			<i>For &gt;1,000, Deduct</i>	-7.62	
33 42 11 00-0337	LF		21" Compression Joint, Extra Strength, Vitrified Clay Pipe .....	221.56	
			<i>For 3' Lengths, Add</i>	51.55	
			<i>For 2' Lengths, Add</i>	68.73	
			<i>For Standard Strength, Deduct</i>	-17.18	
			<i>For &gt;1,000, Deduct</i>	-11.08	
33 42 11 00-0338	LF		24" Compression Joint, Extra Strength, Vitrified Clay Pipe .....	291.09	
			<i>For 3' Lengths, Add</i>	69.21	
			<i>For 2' Lengths, Add</i>	92.28	
			<i>For Standard Strength, Deduct</i>	-23.07	
			<i>For &gt;1,000, Deduct</i>	-14.55	
33 42 11 00-0339	LF		30" Compression Joint, Extra Strength, Vitrified Clay Pipe .....	474.66	
			<i>For 3' Lengths, Add</i>	120.40	
			<i>For 2' Lengths, Add</i>	160.53	
			<i>For Standard Strength, Deduct</i>	-40.13	
			<i>For &gt;1,000, Deduct</i>	-23.73	
33 42 11 00-0340	LF		36" Compression Joint, Extra Strength, Vitrified Clay Pipe .....	680.24	
			<i>For 3' Lengths, Add</i>	177.36	
			<i>For 2' Lengths, Add</i>	236.48	
			<i>For Standard Strength, Deduct</i>	-59.12	
			<i>For &gt;1,000, Deduct</i>	-34.01	
<b>33 42 11 00-0341</b>			<b>Extra Strength, Vitrified Clay Pipe Fittings</b> (33 42 11 00-0315)		
<b>33 42 11 00-0342</b>			<b>1/8 Bends, Extra Strength, Vitrified Clay</b> (33 42 11 00-0341)		
<b>33 42 11 00-0343</b>			<b>Plain End 1/8 Bend, Extra Strength, Vitrified Clay</b> (33 42 11 00-0342)		
33 42 11 00-0344	EA		4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay .....	91.14	
33 42 11 00-0345	EA		6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay .....	125.15	
33 42 11 00-0346	EA		8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay .....	183.32	
33 42 11 00-0347	EA		10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay .....	257.59	
33 42 11 00-0348	EA		12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay .....	344.60	
33 42 11 00-0349	EA		15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay .....	854.51	
33 42 11 00-0350	EA		18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay .....	1,209.71	
33 42 11 00-0351	EA		21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay .....	1,897.72	
33 42 11 00-0352	EA		24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay .....	2,187.65	
33 42 11 00-0353	EA		30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay .....	2,535.87	
33 42 11 00-0354	EA		36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay .....	3,829.75	
<b>33 42 11 00-0355</b>			<b>Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay</b> (33 42 11 00-0342)		
33 42 11 00-0356	EA		4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay .....	102.04	
33 42 11 00-0357	EA		6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay .....	148.81	
33 42 11 00-0358	EA		8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay .....	205.38	
33 42 11 00-0359	EA		10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay .....	281.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0360	EA	12"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay .....	360.65	
33 42 11 00-0361	EA	15"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay .....	956.45	
33 42 11 00-0362	EA	18"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay .....	1,398.27	
33 42 11 00-0363	EA	21"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay .....	1,427.93	
33 42 11 00-0364	EA	24"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay .....	2,805.79	
33 42 11 00-0365	EA	30"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay .....	3,116.39	
33 42 11 00-0366	EA	36"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay .....	4,657.28	

**33 42 11 00-0367**      **1/4 Bends, Extra Strength, Vitrified Clay** (33 42 11 00-0341)

**33 42 11 00-0368**      **Plain End 1/4 Bends, Extra Strength, Vitrified Clay** (33 42 11 00-0367)

33 42 11 00-0369	EA	4"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	104.37	
33 42 11 00-0370	EA	6"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	141.08	
33 42 11 00-0371	EA	8"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	201.96	
33 42 11 00-0372	EA	10"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	277.77	
33 42 11 00-0373	EA	12"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	367.33	
33 42 11 00-0374	EA	15"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	879.81	
33 42 11 00-0375	EA	18"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	1,241.25	
33 42 11 00-0376	EA	21"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	1,937.52	
33 42 11 00-0377	EA	24"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	2,235.97	
33 42 11 00-0378	EA	30"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	2,596.11	
33 42 11 00-0379	EA	36"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	3,896.72	

**33 42 11 00-0380**      **Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay** (33 42 11 00-0367)

33 42 11 00-0381	EA	4"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	117.91	
33 42 11 00-0382	EA	6"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	167.93	
33 42 11 00-0383	EA	8"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	227.75	
33 42 11 00-0384	EA	10"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	305.39	
33 42 11 00-0385	EA	12"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	387.92	
33 42 11 00-0386	EA	15"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	986.80	
33 42 11 00-0387	EA	18"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	1,436.12	
33 42 11 00-0388	EA	21"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	2,822.84	
33 42 11 00-0389	EA	24"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	2,863.76	
33 42 11 00-0390	EA	30"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	3,188.69	
33 42 11 00-0391	EA	36"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	4,737.64	

**33 42 11 00-0392**      **Wyes Or Tees, Extra Strength, Vitrified Clay** (33 42 11 00-0341)

**33 42 11 00-0393**      **Plain End Wyes Or Tees, Extra Strength, Vitrified Clay** (33 42 11 00-0392)

33 42 11 00-0394	EA	4"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	111.88	
33 42 11 00-0395	EA	6"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	148.39	
33 42 11 00-0396	EA	8"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	206.94	
33 42 11 00-0397	EA	10"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	280.98	
33 42 11 00-0398	EA	12"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	360.13	
33 42 11 00-0399	EA	15"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	880.05	
33 42 11 00-0400	EA	18"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	1,238.35	
33 42 11 00-0401	EA	21"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	1,799.46	
33 42 11 00-0402	EA	24"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	2,516.55	
33 42 11 00-0403	EA	30"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	2,647.33	
33 42 11 00-0404	EA	36"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	3,842.16	

**33 42 11 00-0405**      **Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay** (33 42 11 00-0392)

33 42 11 00-0406	EA	4"	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	137.18	
33 42 11 00-0407	EA	6"	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	192.76	
33 42 11 00-0408	EA	8"	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	258.76	
33 42 11 00-0409	EA	10"	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	342.64	
33 42 11 00-0410	EA	12"	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	432.62	
33 42 11 00-0411	EA	15"	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	1,071.23	
33 42 11 00-0412	EA	18"	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	1,554.26	
33 42 11 00-0413	EA	21"	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	2,322.42	
33 42 11 00-0414	EA	24"	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	3,086.22	
33 42 11 00-0415	EA	30"	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	3,560.70	
33 42 11 00-0416	EA	36"	Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee .....	5,094.02	

**33 42 11 00-0417**      **Vitrified Clay Couplings** (33 42 11 00-0315)

**33 42 11 00-0418**      **Vitrified Clay To Cast Iron Or Plastic Pipe Couplings** (33 42 11 00-0417)

<small>Note: Stainless steel tightening band at each end (Fermco #1002)</small>					
33 42 11 00-0419	EA	4" x 3"	Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	35.90	
33 42 11 00-0420	EA	4" x 4"	Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	35.51	
33 42 11 00-0421	EA	5" x 4"	Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	50.37	
33 42 11 00-0422	EA	5" x 5"	Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	47.20	
33 42 11 00-0423	EA	6" x 4"	Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	62.35	
33 42 11 00-0424	EA	6" x 5"	Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	65.11	
33 42 11 00-0425	EA	6" x 6"	Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	59.01	
33 42 11 00-0426	EA	8" x 6"	Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	87.64	
33 42 11 00-0427	EA	8" x 8"	Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	80.67	
33 42 11 00-0428	EA	10" x 8"	Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	116.02	
33 42 11 00-0429	EA	10" x 10"	Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	105.25	
33 42 11 00-0430	EA	12" x 10"	Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	145.22	

## 33 Utilities

## 33 40 Stormwater Utilities

## 33 42 Stormwater Conveyance

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0431	EA		12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	120.49	
33 42 11 00-0432	EA		15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	249.39	
33 42 11 00-0433	EA		15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	190.45	
<b>33 42 11 00-0434</b>			<b>Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings</b> <small>(33 42 11 00-0417)</small>		
			Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-0435	EA		4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling .....	54.14	
33 42 11 00-0436	EA		6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling .....	71.64	
33 42 11 00-0437	EA		6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling .....	75.55	
33 42 11 00-0438	EA		8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling .....	79.21	
33 42 11 00-0439	EA		10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling .....	97.20	
33 42 11 00-0440	EA		12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling .....	112.42	
<b>33 42 11 00-0441</b>			<b>Vitrified Clay To Plastic Pipe Non-Shear Couplings</b> <small>(33 42 11 00-0417)</small>		
			Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-0442	EA		4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	55.45	
33 42 11 00-0443	EA		6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	72.95	
33 42 11 00-0444	EA		6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	67.11	
33 42 11 00-0445	EA		8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	87.06	
33 42 11 00-0446	EA		10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	124.68	
33 42 11 00-0447	EA		12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	140.63	
<b>33 42 11 00-0448</b>			<b>Corrugated Metal Piping</b> <small>(33 42 11)</small>		
<b>33 42 11 00-0449</b>			<b>Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0448)</small>		
<b>33 42 11 00-0450</b>			<b>2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0449)</small>		
<b>33 42 11 00-0451</b>			<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0450)</small>		
33 42 11 00-0452	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe .....	30.57	8.91
			For Bituminous Coated Pipe, Add	2.92	
			For Bituminous Coated And 25% Paved, Add	5.96	
			For Smooth-Flo, Add	10.65	
33 42 11 00-0453	LF		15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe .....	34.34	9.34
			For Bituminous Coated Pipe, Add	3.67	
			For Bituminous Coated And 25% Paved, Add	7.51	
			For Smooth-Flo, Add	13.41	
33 42 11 00-0454	LF		18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe .....	38.26	10.19
			For Bituminous Coated Pipe, Add	4.45	
			For Bituminous Coated And 25% Paved, Add	9.10	
			For Smooth-Flo, Add	16.25	
33 42 11 00-0455	LF		21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe .....	43.44	11.03
			For Bituminous Coated Pipe, Add	5.32	
			For Bituminous Coated And 25% Paved, Add	10.89	
			For Smooth-Flo, Add	19.44	
33 42 11 00-0456	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe .....	48.03	11.88
			For Bituminous Coated Pipe, Add	5.99	
			For Bituminous Coated And 25% Paved, Add	12.25	
			For Smooth-Flo, Add	21.87	
33 42 11 00-0457	LF		30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe .....	63.45	15.28
			For Bituminous Coated Pipe, Add	7.77	
			For Bituminous Coated And 25% Paved, Add	15.89	
			For Smooth-Flo, Add	28.38	
33 42 11 00-0458	LF		36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe .....	82.94	20.01
			For Bituminous Coated Pipe, Add	9.80	
			For Bituminous Coated And 25% Paved, Add	20.04	
			For Smooth-Flo, Add	35.79	
33 42 11 00-0459	LF		42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe .....	94.22	23.65
			For Bituminous Coated Pipe, Add	11.59	
			For Bituminous Coated And 25% Paved, Add	23.72	
			For Smooth-Flo, Add	42.35	
33 42 11 00-0460	LF		48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe .....	105.91	27.29
			For Bituminous Coated Pipe, Add	12.99	
			For Bituminous Coated And 25% Paved, Add	26.57	
			For Smooth-Flo, Add	47.44	
<b>33 42 11 00-0461</b>			<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0450)</small>		
33 42 11 00-0462	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe .....	33.18	8.91
			For Bituminous Coated Pipe, Add	2.96	
			For Bituminous Coated And 25% Paved, Add	6.86	
			For Smooth-Flo, Add	13.87	
33 42 11 00-0463	LF		15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe .....	37.55	9.34
			For Bituminous Coated Pipe, Add	3.71	
			For Bituminous Coated And 25% Paved, Add	8.60	
			For Smooth-Flo, Add	17.39	
33 42 11 00-0464	LF		18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe .....	42.14	10.19
			For Bituminous Coated Pipe, Add	4.50	
			For Bituminous Coated And 25% Paved, Add	10.42	
			For Smooth-Flo, Add	21.06	
33 42 11 00-0465	LF		21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe .....	47.92	11.03
			For Bituminous Coated Pipe, Add	5.35	
			For Bituminous Coated And 25% Paved, Add	12.39	
			For Smooth-Flo, Add	25.04	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0466	LF	24"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	53.24 6.05 14.02 28.33	11.88
	33 42 11 00-0467	LF	30"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	69.81 7.77 18.00 36.38	15.28
	33 42 11 00-0468	LF	36"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	90.67 9.74 22.57 45.62	20.01
	33 42 11 00-0469	LF	42"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	103.07 11.47 26.56 53.69	23.65
	33 42 11 00-0470	LF	48"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	116.02 12.88 29.85 60.34	27.29
	33 42 11 00-0471	LF	54"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	138.37 15.84 36.71 74.20	30.92
	<b>33 42 11 00-0472</b>			<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping<sup>(33)</sup></b> <small><sup>42 11 00-0450)</sup></small>		
	33 42 11 00-0473	LF	18"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	50.17 5.15 9.30 17.87	10.19
	33 42 11 00-0474	LF	21"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	57.25 6.09 10.99 21.12	11.03
	33 42 11 00-0475	LF	24"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	63.87 6.90 12.46 23.94	11.03
	33 42 11 00-0476	LF	30"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	82.96 8.77 15.84 30.45	15.28
	33 42 11 00-0477	LF	36"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	106.26 10.85 19.59 37.65	20.01
	33 42 11 00-0478	LF	42"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	121.09 12.71 22.96 44.12	23.65
	33 42 11 00-0479	LF	48"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	136.68 14.35 25.92 49.82	27.29
	33 42 11 00-0480	LF	54"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	161.18 17.21 31.08 59.74	30.92
	33 42 11 00-0481	LF	60"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	176.19 18.85 34.04 65.42	32.75
	33 42 11 00-0482	LF	66"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	213.35 22.95 41.44 79.64	40.03
	<b>33 42 11 00-0483</b>			<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping<sup>(33)</sup></b> <small><sup>42 11 00-0450)</sup></small>		
	33 42 11 00-0484	LF	36"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	120.86 13.80 23.05 32.89	20.01
	33 42 11 00-0485	LF	42"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	138.17 16.17 27.01 38.54	23.65
	33 42 11 00-0486	LF	48"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	156.06 18.27 30.52 43.55	27.29
	33 42 11 00-0487	LF	54"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	182.89 21.64 36.15 51.58	30.92

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0488	LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	200.36 23.77 39.70 56.65	32.75
33 42 11 00-0489	LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	239.92 28.43 47.50 67.77	40.03
33 42 11 00-0490	LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	289.23 30.53 50.99 72.76	58.22
33 42 11 00-0491	3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0449)</small>		
33 42 11 00-0492	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0491)</small>		
33 42 11 00-0493	LF 36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	96.33 10.78 24.46 48.71	20.01
33 42 11 00-0494	LF 42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	109.58 12.65 28.72 57.20	23.65
33 42 11 00-0495	LF 48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	123.20 14.19 32.22 64.15	27.29
33 42 11 00-0496	LF 54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	146.61 17.34 39.35 78.36	30.92
33 42 11 00-0497	LF 60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	159.74 18.89 42.87 85.36	32.75
33 42 11 00-0498	LF 66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	199.67 24.26 55.07 109.66	40.03
33 42 11 00-0499	LF 72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	245.07 25.86 58.70 116.88	58.22
33 42 11 00-0500	LF 78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	264.67 27.46 62.34 124.14	63.68
33 42 11 00-0501	LF 84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	281.78 29.07 65.98 131.39	68.22
33 42 11 00-0502	LF 90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	298.94 30.68 69.64 138.67	72.77
33 42 11 00-0503	LF 96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	316.70 32.28 73.27 145.90	77.32
33 42 11 00-0504	LF 102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	337.05 33.90 76.94 153.21	81.87
33 42 11 00-0505	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0491)</small>		
33 42 11 00-0506	LF 54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	160.27 20.07 39.33 79.47	30.92
33 42 11 00-0507	LF 60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	174.85 21.91 42.94 86.76	32.75
33 42 11 00-0508	LF 66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	216.29 27.58 54.06 109.23	40.03
33 42 11 00-0509	LF 72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	263.18 29.48 57.78 116.74	58.22
33 42 11 00-0510	LF 78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	284.23 31.38 61.50 124.25	63.68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0511	LF		84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	302.89 33.29 65.25 131.83	68.22
33 42 11 00-0512	LF		90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	321.47 35.19 68.96 139.34	72.77
33 42 11 00-0513	LF		96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	340.72 37.08 72.68 146.84	77.32
33 42 11 00-0514	LF		102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	362.52 38.99 76.42 154.40	81.87
33 42 11 00-0515	LF		108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	386.42 40.90 80.16 161.96	90.96
33 42 11 00-0516	LF		114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	409.77 42.77 83.83 169.37	100.07
<b>33 42 11 00-0517</b>			<b>12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0491)</small>		
33 42 11 00-0518	LF		60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	208.38 28.61 54.51 88.85	32.75
33 42 11 00-0519	LF		66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	253.42 35.01 66.69 108.71	40.03
33 42 11 00-0520	LF		72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	303.55 37.55 71.54 116.61	58.22
33 42 11 00-0521	LF		78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	327.87 40.10 76.40 124.52	63.68
33 42 11 00-0522	LF		84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	349.77 42.67 81.28 132.48	68.22
33 42 11 00-0523	LF		90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	371.62 45.22 86.14 140.40	72.77
33 42 11 00-0524	LF		96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	394.18 47.77 91.01 148.34	77.32
33 42 11 00-0525	LF		102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	419.25 50.34 95.89 156.29	81.87
33 42 11 00-0526	LF		108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	446.36 52.89 100.75 164.21	90.96
33 42 11 00-0527	LF		114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	473.01 55.42 105.57 172.07	100.07
33 42 11 00-0528	LF		120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	498.67 57.98 110.45 180.03	109.16
<b>33 42 11 00-0529</b>			<b>10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0491)</small>		
33 42 11 00-0530	LF		72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	341.20 45.08 85.66 114.51	58.22
33 42 11 00-0531	LF		78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	368.61 48.25 91.68 122.56	63.68
33 42 11 00-0532	LF		84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	393.60 51.43 97.72 130.64	68.22

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0533	LF		90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe .....	418.54	72.77
			<i>For Bituminous Coated Pipe, Add</i>	54.60	
			<i>For Bituminous Coated And 25% Paved, Add</i>	103.74	
			<i>For Smooth-Flo, Add</i>	138.68	
33 42 11 00-0534	LF		96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe .....	444.18	77.32
			<i>For Bituminous Coated Pipe, Add</i>	57.77	
			<i>For Bituminous Coated And 25% Paved, Add</i>	109.77	
			<i>For Smooth-Flo, Add</i>	146.75	
33 42 11 00-0535	LF		102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe .....	472.34	81.87
			<i>For Bituminous Coated Pipe, Add</i>	60.95	
			<i>For Bituminous Coated And 25% Paved, Add</i>	115.81	
			<i>For Smooth-Flo, Add</i>	154.82	
33 42 11 00-0536	LF		108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe .....	502.54	90.96
			<i>For Bituminous Coated Pipe, Add</i>	64.12	
			<i>For Bituminous Coated And 25% Paved, Add</i>	121.83	
			<i>For Smooth-Flo, Add</i>	162.87	
33 42 11 00-0537	LF		114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe .....	532.25	100.07
			<i>For Bituminous Coated Pipe, Add</i>	67.27	
			<i>For Bituminous Coated And 25% Paved, Add</i>	127.81	
			<i>For Smooth-Flo, Add</i>	170.86	
33 42 11 00-0538	LF		120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe .....	561.03	109.16
			<i>For Bituminous Coated Pipe, Add</i>	70.45	
			<i>For Bituminous Coated And 25% Paved, Add</i>	133.86	
			<i>For Smooth-Flo, Add</i>	178.95	
33 42 11 00-0539	LF		126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe .....	591.47	118.26
			<i>For Bituminous Coated Pipe, Add</i>	73.61	
			<i>For Bituminous Coated And 25% Paved, Add</i>	139.86	
			<i>For Smooth-Flo, Add</i>	186.96	
33 42 11 00-0540	LF		132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe .....	624.22	127.35
			<i>For Bituminous Coated Pipe, Add</i>	76.79	
			<i>For Bituminous Coated And 25% Paved, Add</i>	145.90	
			<i>For Smooth-Flo, Add</i>	195.04	
33 42 11 00-0541	LF		138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe .....	659.77	136.45
			<i>For Bituminous Coated Pipe, Add</i>	79.97	
			<i>For Bituminous Coated And 25% Paved, Add</i>	151.95	
			<i>For Smooth-Flo, Add</i>	203.13	
33 42 11 00-0542			125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0449)</small>		
33 42 11 00-0543			16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0542)</small>		
33 42 11 00-0544	LF		48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	123.59	27.29
			<i>For Bituminous Coated Pipe, Add</i>	17.84	
			<i>For Bituminous Coated And 25% Paved, Add</i>	40.67	
			<i>For Smooth-Flo, Add</i>	64.57	
33 42 11 00-0545	LF		54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	147.37	30.92
			<i>For Bituminous Coated Pipe, Add</i>	21.86	
			<i>For Bituminous Coated And 25% Paved, Add</i>	49.84	
			<i>For Smooth-Flo, Add</i>	79.13	
33 42 11 00-0546	LF		60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	160.41	32.75
			<i>For Bituminous Coated Pipe, Add</i>	23.78	
			<i>For Bituminous Coated And 25% Paved, Add</i>	54.21	
			<i>For Smooth-Flo, Add</i>	86.07	
33 42 11 00-0547	LF		66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	198.09	40.03
			<i>For Bituminous Coated Pipe, Add</i>	29.93	
			<i>For Bituminous Coated And 25% Paved, Add</i>	68.24	
			<i>For Smooth-Flo, Add</i>	108.35	
33 42 11 00-0548	LF		72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	243.31	58.22
			<i>For Bituminous Coated Pipe, Add</i>	31.88	
			<i>For Bituminous Coated And 25% Paved, Add</i>	72.69	
			<i>For Smooth-Flo, Add</i>	115.41	
33 42 11 00-0549	LF		78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	262.67	63.68
			<i>For Bituminous Coated Pipe, Add</i>	33.83	
			<i>For Bituminous Coated And 25% Paved, Add</i>	77.13	
			<i>For Smooth-Flo, Add</i>	122.46	
33 42 11 00-0550	LF		84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	279.51	68.22
			<i>For Bituminous Coated Pipe, Add</i>	35.77	
			<i>For Bituminous Coated And 25% Paved, Add</i>	81.55	
			<i>For Smooth-Flo, Add</i>	129.48	
33 42 11 00-0551	LF		90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	296.33	72.77
			<i>For Bituminous Coated Pipe, Add</i>	37.70	
			<i>For Bituminous Coated And 25% Paved, Add</i>	85.95	
			<i>For Smooth-Flo, Add</i>	136.46	
33 42 11 00-0552	LF		96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	313.95	77.32
			<i>For Bituminous Coated Pipe, Add</i>	39.66	
			<i>For Bituminous Coated And 25% Paved, Add</i>	90.42	
			<i>For Smooth-Flo, Add</i>	143.57	
33 42 11 00-0553	LF		102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	334.23	81.87
			<i>For Bituminous Coated Pipe, Add</i>	41.67	
			<i>For Bituminous Coated And 25% Paved, Add</i>	95.00	
			<i>For Smooth-Flo, Add</i>	150.83	
33 42 11 00-0554			14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0542)</small>		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0555	LF		54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	164.45	30.92
				<i>For Bituminous Coated Pipe, Add</i>	20.90	
				<i>For Bituminous Coated And 25% Paved, Add</i>	49.12	
				<i>For Smooth-Flo, Add</i>	88.95	
	33 42 11 00-0556	LF		60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	179.40	32.75
				<i>For Bituminous Coated Pipe, Add</i>	22.82	
				<i>For Bituminous Coated And 25% Paved, Add</i>	53.62	
				<i>For Smooth-Flo, Add</i>	97.09	
	33 42 11 00-0557	LF		66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	218.81	40.03
				<i>For Bituminous Coated Pipe, Add</i>	28.09	
				<i>For Bituminous Coated And 25% Paved, Add</i>	66.01	
				<i>For Smooth-Flo, Add</i>	119.51	
	33 42 11 00-0558	LF		72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	265.70	58.22
				<i>For Bituminous Coated Pipe, Add</i>	29.98	
				<i>For Bituminous Coated And 25% Paved, Add</i>	70.46	
				<i>For Smooth-Flo, Add</i>	127.58	
	33 42 11 00-0559	LF		78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	287.08	63.68
				<i>For Bituminous Coated Pipe, Add</i>	31.95	
				<i>For Bituminous Coated And 25% Paved, Add</i>	75.07	
				<i>For Smooth-Flo, Add</i>	135.93	
	33 42 11 00-0560	LF		84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	305.83	68.22
				<i>For Bituminous Coated Pipe, Add</i>	33.88	
				<i>For Bituminous Coated And 25% Paved, Add</i>	79.61	
				<i>For Smooth-Flo, Add</i>	144.15	
	33 42 11 00-0561	LF		90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	323.59	72.77
				<i>For Bituminous Coated Pipe, Add</i>	35.61	
				<i>For Bituminous Coated And 25% Paved, Add</i>	83.68	
				<i>For Smooth-Flo, Add</i>	151.52	
	33 42 11 00-0562	LF		96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	343.96	77.32
				<i>For Bituminous Coated Pipe, Add</i>	37.73	
				<i>For Bituminous Coated And 25% Paved, Add</i>	88.67	
				<i>For Smooth-Flo, Add</i>	160.54	
	33 42 11 00-0563	LF		102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	365.85	81.87
				<i>For Bituminous Coated Pipe, Add</i>	39.66	
				<i>For Bituminous Coated And 25% Paved, Add</i>	93.19	
				<i>For Smooth-Flo, Add</i>	168.74	
	33 42 11 00-0564	LF		108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	389.75	90.96
				<i>For Bituminous Coated Pipe, Add</i>	41.56	
				<i>For Bituminous Coated And 25% Paved, Add</i>	97.68	
				<i>For Smooth-Flo, Add</i>	176.85	
	33 42 11 00-0565	LF		114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	413.52	100.07
				<i>For Bituminous Coated Pipe, Add</i>	43.52	
				<i>For Bituminous Coated And 25% Paved, Add</i>	102.27	
				<i>For Smooth-Flo, Add</i>	185.18	
	<b>33 42 11 00-0566</b>			<b>12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel</b>		
				<b>Piping</b> <small>(33 42 11 00-0542)</small>		
	33 42 11 00-0567	LF		60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	214.95	32.75
				<i>For Bituminous Coated Pipe, Add</i>	29.93	
				<i>For Bituminous Coated And 25% Paved, Add</i>	56.86	
				<i>For Smooth-Flo, Add</i>	102.65	
	33 42 11 00-0568	LF		66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	257.97	40.03
				<i>For Bituminous Coated Pipe, Add</i>	35.92	
				<i>For Bituminous Coated And 25% Paved, Add</i>	68.25	
				<i>For Smooth-Flo, Add</i>	123.21	
	33 42 11 00-0569	LF		72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	308.58	58.22
				<i>For Bituminous Coated Pipe, Add</i>	38.56	
				<i>For Bituminous Coated And 25% Paved, Add</i>	73.26	
				<i>For Smooth-Flo, Add</i>	132.26	
	33 42 11 00-0570	LF		78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	333.26	63.68
				<i>For Bituminous Coated Pipe, Add</i>	41.18	
				<i>For Bituminous Coated And 25% Paved, Add</i>	78.25	
				<i>For Smooth-Flo, Add</i>	141.25	
	33 42 11 00-0571	LF		84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	355.35	68.22
				<i>For Bituminous Coated Pipe, Add</i>	43.78	
				<i>For Bituminous Coated And 25% Paved, Add</i>	83.19	
				<i>For Smooth-Flo, Add</i>	150.17	
	33 42 11 00-0572	LF		90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	377.62	72.77
				<i>For Bituminous Coated Pipe, Add</i>	46.42	
				<i>For Bituminous Coated And 25% Paved, Add</i>	88.19	
				<i>For Smooth-Flo, Add</i>	159.21	
	33 42 11 00-0573	LF		96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	400.48	77.32
				<i>For Bituminous Coated Pipe, Add</i>	49.03	
				<i>For Bituminous Coated And 25% Paved, Add</i>	93.16	
				<i>For Smooth-Flo, Add</i>	168.19	
	33 42 11 00-0574	LF		102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	425.79	81.87
				<i>For Bituminous Coated Pipe, Add</i>	51.64	
				<i>For Bituminous Coated And 25% Paved, Add</i>	98.12	
				<i>For Smooth-Flo, Add</i>	177.14	
	33 42 11 00-0575	LF		108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	453.32	90.96
				<i>For Bituminous Coated Pipe, Add</i>	54.28	
				<i>For Bituminous Coated And 25% Paved, Add</i>	103.13	
				<i>For Smooth-Flo, Add</i>	186.17	
	33 42 11 00-0576	LF		114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	480.40	100.07
				<i>For Bituminous Coated Pipe, Add</i>	56.90	
				<i>For Bituminous Coated And 25% Paved, Add</i>	108.10	
				<i>For Smooth-Flo, Add</i>	195.15	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0577	LF		120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	506.33	109.16
			<i>For Bituminous Coated Pipe, Add</i>	59.51	
			<i>For Bituminous Coated And 25% Paved, Add</i>	113.07	
			<i>For Smooth-Flo, Add</i>	204.13	
<b>33 42 11 00-0578</b>			<b>10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0542)</small>		
33 42 11 00-0579	LF		72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	349.65	58.22
			<i>For Bituminous Coated Pipe, Add</i>	46.77	
			<i>For Bituminous Coated And 25% Paved, Add</i>	88.87	
			<i>For Smooth-Flo, Add</i>	139.62	
33 42 11 00-0580	LF		78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	378.15	63.68
			<i>For Bituminous Coated Pipe, Add</i>	50.16	
			<i>For Bituminous Coated And 25% Paved, Add</i>	95.30	
			<i>For Smooth-Flo, Add</i>	149.73	
33 42 11 00-0581	LF		84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	403.80	68.22
			<i>For Bituminous Coated Pipe, Add</i>	53.47	
			<i>For Bituminous Coated And 25% Paved, Add</i>	101.60	
			<i>For Smooth-Flo, Add</i>	159.61	
33 42 11 00-0582	LF		90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	429.32	72.77
			<i>For Bituminous Coated Pipe, Add</i>	56.76	
			<i>For Bituminous Coated And 25% Paved, Add</i>	107.84	
			<i>For Smooth-Flo, Add</i>	169.42	
33 42 11 00-0583	LF		96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	455.69	77.32
			<i>For Bituminous Coated Pipe, Add</i>	60.08	
			<i>For Bituminous Coated And 25% Paved, Add</i>	114.14	
			<i>For Smooth-Flo, Add</i>	179.33	
33 42 11 00-0584	LF		102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	484.39	81.87
			<i>For Bituminous Coated Pipe, Add</i>	63.36	
			<i>For Bituminous Coated And 25% Paved, Add</i>	120.39	
			<i>For Smooth-Flo, Add</i>	189.14	
33 42 11 00-0585	LF		108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	515.32	90.96
			<i>For Bituminous Coated Pipe, Add</i>	66.68	
			<i>For Bituminous Coated And 25% Paved, Add</i>	126.69	
			<i>For Smooth-Flo, Add</i>	199.03	
33 42 11 00-0586	LF		114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	545.84	100.07
			<i>For Bituminous Coated Pipe, Add</i>	69.98	
			<i>For Bituminous Coated And 25% Paved, Add</i>	132.97	
			<i>For Smooth-Flo, Add</i>	208.90	
33 42 11 00-0587	LF		120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	575.14	109.16
			<i>For Bituminous Coated Pipe, Add</i>	73.27	
			<i>For Bituminous Coated And 25% Paved, Add</i>	139.22	
			<i>For Smooth-Flo, Add</i>	218.72	
33 42 11 00-0588	LF		126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	611.51	118.26
			<i>For Bituminous Coated Pipe, Add</i>	77.62	
			<i>For Bituminous Coated And 25% Paved, Add</i>	147.47	
			<i>For Smooth-Flo, Add</i>	231.68	
33 42 11 00-0589	LF		132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	646.26	127.35
			<i>For Bituminous Coated Pipe, Add</i>	81.20	
			<i>For Bituminous Coated And 25% Paved, Add</i>	154.27	
			<i>For Smooth-Flo, Add</i>	242.37	
33 42 11 00-0590	LF		138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	684.48	136.45
			<i>For Bituminous Coated Pipe, Add</i>	84.92	
			<i>For Bituminous Coated And 25% Paved, Add</i>	161.34	
			<i>For Smooth-Flo, Add</i>	253.47	
<b>33 42 11 00-0591</b>			<b>Helical Ribbed, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0449)</small>		
<b>33 42 11 00-0592</b>			<b>16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0591)</small>		
33 42 11 00-0593	LF		18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	43.47	10.19
			<i>For Bituminous Coated Pipe, Add</i>	5.50	
33 42 11 00-0594	LF		21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	49.56	11.03
			<i>For Bituminous Coated Pipe, Add</i>	6.55	
33 42 11 00-0595	LF		24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	55.21	11.88
			<i>For Bituminous Coated Pipe, Add</i>	7.44	
33 42 11 00-0596	LF		30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	72.48	15.28
			<i>For Bituminous Coated Pipe, Add</i>	9.58	
33 42 11 00-0597	LF		36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	94.00	20.01
			<i>For Bituminous Coated Pipe, Add</i>	12.01	
33 42 11 00-0598	LF		42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	107.09	23.65
			<i>For Bituminous Coated Pipe, Add</i>	14.16	
33 42 11 00-0599	LF		48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	120.66	27.29
			<i>For Bituminous Coated Pipe, Add</i>	15.94	
33 42 11 00-0600	LF		54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	143.73	30.92
			<i>For Bituminous Coated Pipe, Add</i>	19.53	
33 42 11 00-0601	LF		60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	156.80	32.75
			<i>For Bituminous Coated Pipe, Add</i>	21.32	
<b>33 42 11 00-0602</b>			<b>14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0591)</small>		
33 42 11 00-0603	LF		18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	47.41	10.19
			<i>For Bituminous Coated Pipe, Add</i>	6.36	
33 42 11 00-0604	LF		21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	54.16	11.03
			<i>For Bituminous Coated Pipe, Add</i>	7.56	
33 42 11 00-0605	LF		24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	60.45	11.88
			<i>For Bituminous Coated Pipe, Add</i>	8.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0606	LF		30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	78.99 11.00	15.28
33 42 11 00-0607	LF		36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	101.84 13.72	20.01
33 42 11 00-0608	LF		42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	116.27 16.16	23.65
33 42 11 00-0609	LF		48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	131.14 18.23	27.29
33 42 11 00-0610	LF		54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	155.51 22.08	30.92
33 42 11 00-0611	LF		60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	169.92 24.16	32.75
33 42 11 00-0612	LF		66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	208.33 30.02	40.03
33 42 11 00-0613	LF		72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	254.64 32.08	58.22
33 42 11 00-0614	LF		78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	275.27 34.17	63.68
<b>33 42 11 00-0615</b>			<b>12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping</b> (33 42 11 00-0591)		
33 42 11 00-0616	LF		30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	92.19 11.50	15.28
33 42 11 00-0617	LF		36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	117.62 14.21	20.01
33 42 11 00-0618	LF		42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	134.75 16.72	23.65
33 42 11 00-0619	LF		48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	152.21 18.89	27.29
33 42 11 00-0620	LF		54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	179.26 22.55	30.92
33 42 11 00-0621	LF		60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	196.33 24.76	32.75
33 42 11 00-0622	LF		66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	237.31 30.04	40.03
33 42 11 00-0623	LF		72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	286.23 32.22	58.22
33 42 11 00-0624	LF		78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	309.46 34.42	63.68
33 42 11 00-0625	LF		84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	330.15 36.61	68.22
33 42 11 00-0626	LF		90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	350.82 38.80	72.77
33 42 11 00-0627	LF		96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	372.16 40.98	77.32
33 42 11 00-0628	LF		102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	394.71 42.93	81.87
<b>33 42 11 00-0629</b>			<b>1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping</b> (33 42 11 00-0449)		
<b>33 42 11 00-0630</b>			<b>1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping</b> (33 42 11 00-0629)		
33 42 11 00-0631	LF		6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	15.92 1.40	5.09
33 42 11 00-0632	LF		6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	17.10 1.69	5.09
33 42 11 00-0633	LF		8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	19.94 1.86	6.37
33 42 11 00-0634	LF		8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	21.43 2.22	6.37
33 42 11 00-0635	LF		10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	25.21 2.33	7.65
33 42 11 00-0636	LF		10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	27.10 2.80	7.65
<b>33 42 11 00-0637</b>			<b>Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping</b> (33 42 11 00-0629)		
33 42 11 00-0638	LF		6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	16.09 1.39	5.09
33 42 11 00-0639	LF		6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	17.22 1.65	5.09
33 42 11 00-0640	LF		8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	20.10 1.82	6.37
33 42 11 00-0641	LF		8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	21.68 2.19	6.37
33 42 11 00-0642	LF		10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	25.49 2.31	7.65
33 42 11 00-0643	LF		10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	27.43 2.76	7.65
<b>33 42 11 00-0644</b>			<b>1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings</b> (33 42 11 00-0629)		
33 42 11 00-0645	EA		6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	8.68 1.95	
33 42 11 00-0646	EA		8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	11.48 2.58	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
33 42 11 00-0647	EA	10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	14.08		
		<i>For Bituminous Coated Pipe, Add</i>	3.17		
33 42 11 00-0648	EA	6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	31.29		
		<i>For Bituminous Coated Pipe, Add</i>	4.32		
33 42 11 00-0649	EA	6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	7.54		
		<i>For Bituminous Coated Pipe, Add</i>	0.99		
33 42 11 00-0650	EA	8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	9.45		
		<i>For Bituminous Coated Pipe, Add</i>	1.48		
33 42 11 00-0651		2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0449)			
33 42 11 00-0652		16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0651)			
33 42 11 00-0653	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	47.79	8.91	
33 42 11 00-0654	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	56.05	9.34	
33 42 11 00-0655	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	64.58	10.19	
33 42 11 00-0656	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	74.89	11.03	
33 42 11 00-0657	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	83.47	11.88	
33 42 11 00-0658	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	109.36	15.28	
33 42 11 00-0659	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	140.92	20.01	
33 42 11 00-0660	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	162.79	23.65	
33 42 11 00-0661	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	182.73	27.29	
33 42 11 00-0662		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0651)			
33 42 11 00-0663	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	54.13	8.91	
33 42 11 00-0664	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	63.90	9.34	
33 42 11 00-0665	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	73.99	10.19	
33 42 11 00-0666	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	85.78	11.03	
33 42 11 00-0667	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	96.12	11.88	
33 42 11 00-0668	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	124.88	15.28	
33 42 11 00-0669	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	159.66	20.01	
33 42 11 00-0670	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	184.30	23.65	
33 42 11 00-0671	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	207.28	27.29	
33 42 11 00-0672	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	250.62	30.92	
33 42 11 00-0673		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0651)			
33 42 11 00-0674	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	93.58	10.19	
33 42 11 00-0675	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	108.66	11.03	
33 42 11 00-0676	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	122.14	11.88	
33 42 11 00-0677	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	157.39	15.28	
33 42 11 00-0678	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	190.69	20.01	
33 42 11 00-0679	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	229.77	23.65	
33 42 11 00-0680	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	259.16	27.29	
33 42 11 00-0681	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	309.83	30.92	
33 42 11 00-0682	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	338.54	32.75	
33 42 11 00-0683	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	414.44	40.03	
33 42 11 00-0684		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0651)			
33 42 11 00-0685	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	234.29	20.01	
33 42 11 00-0686	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	271.18	23.65	
33 42 11 00-0687	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	306.21	27.29	
33 42 11 00-0688	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	362.53	30.92	
33 42 11 00-0689	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	397.21	32.75	
33 42 11 00-0690	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	478.88	40.03	
33 42 11 00-0691	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	545.18	58.22	
33 42 11 00-0692		3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0449)			
33 42 11 00-0693		16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0692)			
33 42 11 00-0694	LF	36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	176.90	20.01	
33 42 11 00-0695	LF	42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	204.28	23.65	
33 42 11 00-0696	LF	48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	229.25	27.29	
33 42 11 00-0697	LF	54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	277.08	30.92	
33 42 11 00-0698	LF	60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	301.70	32.75	
33 42 11 00-0699	LF	66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	383.60	40.03	
33 42 11 00-0700	LF	72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	440.88	58.22	
33 42 11 00-0701	LF	78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	472.31	63.68	
33 42 11 00-0702	LF	84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	501.32	68.22	
33 42 11 00-0703	LF	90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	530.37	72.77	
33 42 11 00-0704	LF	96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	560.00	77.32	
33 42 11 00-0705	LF	102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	592.29	81.87	
33 42 11 00-0706		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0692)			
33 42 11 00-0707	LF	54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	310.96	30.92	
33 42 11 00-0708	LF	60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	339.15	32.75	
33 42 11 00-0709	LF	66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	424.85	40.03	
33 42 11 00-0710	LF	72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	485.74	58.22	
33 42 11 00-0711	LF	78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	520.84	63.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0712	LF		84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	553.66	68.22
33 42 11 00-0713	LF		90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	586.26	72.77
33 42 11 00-0714	LF		96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	619.53	77.32
33 42 11 00-0715	LF		102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	655.52	81.87
33 42 11 00-0716	LF		108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	693.51	90.96
33 42 11 00-0717	LF		114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	730.70	100.07

**33 42 11 00-0718 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** (33 42 11 00-0692)

33 42 11 00-0719	LF		60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	424.36	32.75
33 42 11 00-0720	LF		66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	519.64	40.03
33 42 11 00-0721	LF		72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	588.75	58.22
33 42 11 00-0722	LF		78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	632.10	63.68
33 42 11 00-0723	LF		84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	673.14	68.22
33 42 11 00-0724	LF		90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	714.02	72.77
33 42 11 00-0725	LF		96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	755.61	77.32
33 42 11 00-0726	LF		102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	799.81	81.87
33 42 11 00-0727	LF		108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	845.95	90.96
33 42 11 00-0728	LF		114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	891.52	100.07
33 42 11 00-0729	LF		120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	936.31	109.16

**33 42 11 00-0730 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** (33 42 11 00-0692)

33 42 11 00-0731	LF		72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	682.61	58.22
33 42 11 00-0732	LF		78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	733.61	63.68
33 42 11 00-0733	LF		84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	782.36	68.22
33 42 11 00-0734	LF		90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	830.91	72.77
33 42 11 00-0735	LF		96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	880.23	77.32
33 42 11 00-0736	LF		102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	932.13	81.87
33 42 11 00-0737	LF		108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	985.98	90.96
33 42 11 00-0738	LF		114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,039.21	100.07
33 42 11 00-0739	LF		120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,091.71	109.16
33 42 11 00-0740	LF		126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,145.73	118.26
33 42 11 00-0741	LF		132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,202.21	127.35
33 42 11 00-0742	LF		138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,261.50	136.45

**33 42 11 00-0743 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping** (33 42 11 00-0449)

**33 42 11 00-0744 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping** (33 42 11 00-0743)

33 42 11 00-0745	LF		48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	221.94	27.29
33 42 11 00-0746	LF		54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	269.04	30.92
33 42 11 00-0747	LF		60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	292.49	32.75
33 42 11 00-0748	LF		66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	366.48	40.03
33 42 11 00-0749	LF		72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	422.36	58.22
33 42 11 00-0750	LF		78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	452.33	63.68
33 42 11 00-0751	LF		84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	479.69	68.22
33 42 11 00-0752	LF		90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	507.00	72.77
33 42 11 00-0753	LF		96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	535.25	77.32
33 42 11 00-0754	LF		102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	566.52	81.87

**33 42 11 00-0755 14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping** (33 42 11 00-0743)

33 42 11 00-0756	LF		54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	309.28	30.92
33 42 11 00-0757	LF		60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	337.31	32.75
33 42 11 00-0758	LF		66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	415.37	40.03
33 42 11 00-0759	LF		72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	475.18	58.22
33 42 11 00-0760	LF		78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	509.92	63.68
33 42 11 00-0761	LF		84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	541.77	68.22
33 42 11 00-0762	LF		90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	571.33	72.77
33 42 11 00-0763	LF		96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	606.11	77.32
33 42 11 00-0764	LF		102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	641.13	81.87
33 42 11 00-0765	LF		108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	677.97	90.96
33 42 11 00-0766	LF		114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	715.05	100.07

**33 42 11 00-0767 12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping** (33 42 11 00-0743)

33 42 11 00-0768	LF		60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	427.15	32.75
33 42 11 00-0769	LF		66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	514.76	40.03
33 42 11 00-0770	LF		72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	583.97	58.22
33 42 11 00-0771	LF		78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	626.96	63.68
33 42 11 00-0772	LF		84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	667.24	68.22
33 42 11 00-0773	LF		90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	708.01	72.77
33 42 11 00-0774	LF		96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	749.21	77.32
33 42 11 00-0775	LF		102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	792.77	81.87
33 42 11 00-0776	LF		108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	838.79	90.96
33 42 11 00-0777	LF		114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	884.21	100.07
33 42 11 00-0778	LF		120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	928.46	109.16

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0779			<b>10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping</b> <small>(33 42 11 00-0743)</small>		
33 42 11 00-0780	LF		72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	682.57	58.22
33 42 11 00-0781	LF		78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	734.74	63.68
33 42 11 00-0782	LF		84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	783.65	68.22
33 42 11 00-0783	LF		90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	832.18	72.77
33 42 11 00-0784	LF		96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	881.73	77.32
33 42 11 00-0785	LF		102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	933.54	81.87
33 42 11 00-0786	LF		108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	987.63	90.96
33 42 11 00-0787	LF		114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	1,041.32	100.07
33 42 11 00-0788	LF		120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	1,093.71	109.16
33 42 11 00-0789	LF		126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	1,160.48	118.26
33 42 11 00-0790	LF		132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	1,220.35	127.35
33 42 11 00-0791	LF		138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	1,284.60	136.45
33 42 11 00-0792			<b>Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0448)</small>		
33 42 11 00-0793			<b>2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0792)</small>		
33 42 11 00-0794			<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0793)</small>		
33 42 11 00-0795	LF		17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	35.22	9.34
			<i>For Bituminous Coated Pipe, Add</i> .....	4.00	
			<i>For Bituminous Coated And 25% Paved, Add</i> .....	9.66	
			<i>For Smooth-Flo, Add</i> .....	15.94	
33 42 11 00-0796	LF		21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	39.05	10.19
			<i>For Bituminous Coated Pipe, Add</i> .....	4.77	
			<i>For Bituminous Coated And 25% Paved, Add</i> .....	11.54	
			<i>For Smooth-Flo, Add</i> .....	19.04	
33 42 11 00-0797	LF		24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	44.53	11.03
			<i>For Bituminous Coated Pipe, Add</i> .....	5.75	
			<i>For Bituminous Coated And 25% Paved, Add</i> .....	13.89	
			<i>For Smooth-Flo, Add</i> .....	22.92	
33 42 11 00-0798	LF		28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	49.88	11.88
			<i>For Bituminous Coated Pipe, Add</i> .....	6.62	
			<i>For Bituminous Coated And 25% Paved, Add</i> .....	16.01	
			<i>For Smooth-Flo, Add</i> .....	26.40	
33 42 11 00-0799	LF		35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	65.12	15.28
			<i>For Bituminous Coated Pipe, Add</i> .....	8.41	
			<i>For Bituminous Coated And 25% Paved, Add</i> .....	20.33	
			<i>For Smooth-Flo, Add</i> .....	33.53	
33 42 11 00-0800	LF		42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	86.00	20.01
			<i>For Bituminous Coated Pipe, Add</i> .....	10.84	
			<i>For Bituminous Coated And 25% Paved, Add</i> .....	26.22	
			<i>For Smooth-Flo, Add</i> .....	43.25	
33 42 11 00-0801			<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0793)</small>		
33 42 11 00-0802	LF		17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	38.46	9.34
			<i>For Bituminous Coated Pipe, Add</i> .....	4.15	
			<i>For Bituminous Coated And 25% Paved, Add</i> .....	9.70	
			<i>For Smooth-Flo, Add</i> .....	15.91	
33 42 11 00-0803	LF		21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	43.02	10.19
			<i>For Bituminous Coated Pipe, Add</i> .....	4.98	
			<i>For Bituminous Coated And 25% Paved, Add</i> .....	11.64	
			<i>For Smooth-Flo, Add</i> .....	19.09	
33 42 11 00-0804	LF		24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	48.95	11.03
			<i>For Bituminous Coated Pipe, Add</i> .....	5.91	
			<i>For Bituminous Coated And 25% Paved, Add</i> .....	13.83	
			<i>For Smooth-Flo, Add</i> .....	22.69	
33 42 11 00-0805	LF		28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	55.00	11.88
			<i>For Bituminous Coated Pipe, Add</i> .....	6.82	
			<i>For Bituminous Coated And 25% Paved, Add</i> .....	15.95	
			<i>For Smooth-Flo, Add</i> .....	26.16	
33 42 11 00-0806	LF		35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	71.51	15.28
			<i>For Bituminous Coated Pipe, Add</i> .....	8.63	
			<i>For Bituminous Coated And 25% Paved, Add</i> .....	20.20	
			<i>For Smooth-Flo, Add</i> .....	33.13	
33 42 11 00-0807	LF		42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	93.60	20.01
			<i>For Bituminous Coated Pipe, Add</i> .....	11.00	
			<i>For Bituminous Coated And 25% Paved, Add</i> .....	25.73	
			<i>For Smooth-Flo, Add</i> .....	42.20	
33 42 11 00-0808	LF		49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	107.25	23.65
			<i>For Bituminous Coated Pipe, Add</i> .....	13.10	
			<i>For Bituminous Coated And 25% Paved, Add</i> .....	30.65	
			<i>For Smooth-Flo, Add</i> .....	50.28	
33 42 11 00-0809			<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0793)</small>		
33 42 11 00-0810	LF		21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	55.95	10.91
			<i>For Bituminous Coated Pipe, Add</i> .....	5.38	
			<i>For Bituminous Coated And 25% Paved, Add</i> .....	11.97	
			<i>For Smooth-Flo, Add</i> .....	18.41	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0811	LF		24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	63.70 6.38 14.20 21.84	11.82
	33 42 11 00-0812	LF		28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	71.41 7.32 16.29 25.05	12.73
	33 42 11 00-0813	LF		35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	92.45 9.22 20.51 31.54	16.37
	33 42 11 00-0814	LF		42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	109.11 11.53 25.66 39.46	20.01
	33 42 11 00-0815	LF		49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	125.14 13.64 30.35 46.67	23.65
	33 42 11 00-0816	LF		57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	145.73 16.17 35.99 55.35	27.29
	33 42 11 00-0817	LF		64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	163.17 17.86 39.75 61.12	30.92
	<b>33 42 11 00-0818</b>			<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0793)</small>		
	33 42 11 00-0819	LF		42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	123.71 13.90 29.25 36.89	20.01
	33 42 11 00-0820	LF		49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	142.17 16.39 34.51 43.52	23.65
	33 42 11 00-0821	LF		57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	165.03 19.29 40.60 51.21	27.29
	33 42 11 00-0822	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	184.98 21.38 45.02 56.77	30.92
	33 42 11 00-0823	LF		71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	202.60 23.48 49.42 62.33	32.75
	<b>33 42 11 00-0824</b>			<b>3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0792)</small>		
	<b>33 42 11 00-0825</b>			<b>14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0824)</small>		
	33 42 11 00-0826	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	162.96 20.61 62.64 70.06	30.92
	33 42 11 00-0827	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	178.06 22.55 68.55 76.67	32.75
	33 42 11 00-0828	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	219.99 28.32 86.10 96.30	40.03
	33 42 11 00-0829	LF		81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	267.60 30.36 92.31 103.24	58.22
	33 42 11 00-0830	LF		87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	289.89 32.51 98.82 110.53	63.68
	33 42 11 00-0831	LF		95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	309.77 34.67 105.38 117.86	68.22
	33 42 11 00-0832	LF		103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	329.59 36.81 111.90 125.15	72.77
	33 42 11 00-0833	LF		112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	350.05 38.95 118.40 132.42	77.32

## 33 Utilities

## 33 40 Stormwater Utilities

## 33 42 Stormwater Conveyance

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0834			12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0824)</small>		
33 42 11 00-0835	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	211.62	32.75
			For Bituminous Coated Pipe, Add	29.26	
			For Bituminous Coated And 25% Paved, Add	76.67	
			For Smooth-Flo, Add	90.71	
33 42 11 00-0836	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	257.21	40.03
			For Bituminous Coated Pipe, Add	35.77	
			For Bituminous Coated And 25% Paved, Add	93.71	
			For Smooth-Flo, Add	110.88	
33 42 11 00-0837	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	308.13	58.22
			For Bituminous Coated Pipe, Add	38.47	
			For Bituminous Coated And 25% Paved, Add	100.79	
			For Smooth-Flo, Add	119.26	
33 42 11 00-0838	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	333.69	63.68
			For Bituminous Coated Pipe, Add	41.27	
			For Bituminous Coated And 25% Paved, Add	108.12	
			For Smooth-Flo, Add	127.93	
33 42 11 00-0839	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	356.83	68.22
			For Bituminous Coated Pipe, Add	44.08	
			For Bituminous Coated And 25% Paved, Add	115.48	
			For Smooth-Flo, Add	136.64	
33 42 11 00-0840	LF		103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	379.95	72.77
			For Bituminous Coated Pipe, Add	46.88	
			For Bituminous Coated And 25% Paved, Add	122.83	
			For Smooth-Flo, Add	145.33	
33 42 11 00-0841	LF		112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	403.69	77.32
			For Bituminous Coated Pipe, Add	49.68	
			For Bituminous Coated And 25% Paved, Add	130.15	
			For Smooth-Flo, Add	154.00	
33 42 11 00-0842	LF		117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	430.06	81.87
			For Bituminous Coated Pipe, Add	52.50	
			For Bituminous Coated And 25% Paved, Add	137.54	
			For Smooth-Flo, Add	162.74	
33 42 11 00-0843	LF		128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	458.44	90.96
			For Bituminous Coated Pipe, Add	55.30	
			For Bituminous Coated And 25% Paved, Add	144.89	
			For Smooth-Flo, Add	171.44	
33 42 11 00-0844	LF		137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	487.85	100.07
			For Bituminous Coated Pipe, Add	58.39	
			For Bituminous Coated And 25% Paved, Add	152.97	
			For Smooth-Flo, Add	181.00	
33 42 11 00-0845			10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0824)</small>		
33 42 11 00-0846	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	345.77	58.22
			For Bituminous Coated Pipe, Add	46.00	
			For Bituminous Coated And 25% Paved, Add	109.48	
			For Smooth-Flo, Add	118.90	
33 42 11 00-0847	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	374.45	63.68
			For Bituminous Coated Pipe, Add	49.42	
			For Bituminous Coated And 25% Paved, Add	117.62	
			For Smooth-Flo, Add	127.75	
33 42 11 00-0848	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	400.69	68.22
			For Bituminous Coated Pipe, Add	52.85	
			For Bituminous Coated And 25% Paved, Add	125.78	
			For Smooth-Flo, Add	136.62	
33 42 11 00-0849	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	426.84	72.77
			For Bituminous Coated Pipe, Add	56.26	
			For Bituminous Coated And 25% Paved, Add	133.90	
			For Smooth-Flo, Add	145.43	
33 42 11 00-0850	LF		112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	453.69	77.32
			For Bituminous Coated Pipe, Add	59.68	
			For Bituminous Coated And 25% Paved, Add	142.03	
			For Smooth-Flo, Add	154.26	
33 42 11 00-0851	LF		117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	483.12	81.87
			For Bituminous Coated Pipe, Add	63.11	
			For Bituminous Coated And 25% Paved, Add	150.20	
			For Smooth-Flo, Add	163.14	
33 42 11 00-0852	LF		128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	514.59	90.96
			For Bituminous Coated Pipe, Add	66.53	
			For Bituminous Coated And 25% Paved, Add	158.35	
			For Smooth-Flo, Add	171.99	
33 42 11 00-0853	LF		137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	546.84	100.07
			For Bituminous Coated Pipe, Add	70.18	
			For Bituminous Coated And 25% Paved, Add	167.04	
			For Smooth-Flo, Add	181.43	
33 42 11 00-0854	LF		142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	581.62	109.16
			For Bituminous Coated Pipe, Add	74.57	
			For Bituminous Coated And 25% Paved, Add	177.48	
			For Smooth-Flo, Add	192.76	
33 42 11 00-0855			125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0792)</small>		
33 42 11 00-0856			12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0855)</small>		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0857	LF		81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	311.82 39.21 95.67 121.74	58.22
	33 42 11 00-0858	LF		87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	337.02 41.93 102.32 130.21	63.68
	33 42 11 00-0859	LF		95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	359.59 44.63 108.90 138.58	68.22
	33 42 11 00-0860	LF		103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	382.16 47.32 115.47 146.94	72.77
	33 42 11 00-0861	LF		112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	405.50 50.04 122.09 155.37	77.32
	33 42 11 00-0862	LF		117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	431.57 52.80 128.83 163.94	81.87
	33 42 11 00-0863	LF		128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	459.65 55.54 135.53 172.46	90.96
	33 42 11 00-0864	LF		137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	490.85 58.99 143.93 183.15	100.07
	<b>33 42 11 00-0865</b>			<b>10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0855)</small>		
	33 42 11 00-0866	LF		81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	353.49 47.54 107.44 116.72	58.22
	33 42 11 00-0867	LF		87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	382.03 50.94 115.12 125.05	63.68
	33 42 11 00-0868	LF		95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	407.98 54.31 122.74 133.33	68.22
	33 42 11 00-0869	LF		103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	434.04 57.70 130.40 141.65	72.77
	33 42 11 00-0870	LF		112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	460.20 60.98 137.81 149.70	77.32
	33 42 11 00-0871	LF		117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	490.12 64.51 145.79 158.37	81.87
	33 42 11 00-0872	LF		128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	521.65 67.94 153.55 166.80	90.96
	33 42 11 00-0873	LF		137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	556.26 72.07 162.87 176.93	100.07
	33 42 11 00-0874	LF		142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	588.59 75.96 171.68 186.49	109.16
	<b>33 42 11 00-0875</b>			<b>2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0792)</small>		
	<b>33 42 11 00-0876</b>			<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0875)</small>		
	33 42 11 00-0877	LF		17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i>	56.10 64.01	9.34 10.19
	33 42 11 00-0878	LF		21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i>	74.64 84.63	11.03 11.88
	33 42 11 00-0879	LF		24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i>	109.39 143.51	15.28 20.01
	33 42 11 00-0880	LF		28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i>		
	33 42 11 00-0881	LF		35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i>		
	33 42 11 00-0882	LF		42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i>		
	<b>33 42 11 00-0883</b>			<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0875)</small>		
	33 42 11 00-0884	LF		17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i>	63.56 73.11	9.34 10.19
	33 42 11 00-0885	LF		21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i>		

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0886 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	84.81	11.03
33 42 11 00-0887 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	96.45	11.88
33 42 11 00-0888 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	124.08	15.28
33 42 11 00-0889 LF 42" x 28" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	160.98	20.01
33 42 11 00-0890 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	187.68	23.65
<b>33 42 11 00-0891 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b>		
(33 42 11 00-0875)		
33 42 11 00-0892 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	95.44	10.19
33 42 11 00-0893 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	111.25	11.03
33 42 11 00-0894 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	126.39	11.88
33 42 11 00-0895 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	161.45	15.28
33 42 11 00-0896 LF 42" x 28" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	206.12	20.01
33 42 11 00-0897 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	240.25	23.65
33 42 11 00-0898 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	283.16	27.29
33 42 11 00-0899 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	314.53	30.92
<b>33 42 11 00-0900 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b>		
(33 42 11 00-0875)		
33 42 11 00-0901 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	241.52	20.01
33 42 11 00-0902 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	281.55	23.65
33 42 11 00-0903 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	329.99	27.29
33 42 11 00-0904 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	367.48	30.92
33 42 11 00-0905 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	402.54	32.75
<b>33 42 11 00-0906 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> (33 42 11 00-0792)		
<b>33 42 11 00-0907 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> (33 42 11 00-0906)		
33 42 11 00-0908 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	317.61	30.92
33 42 11 00-0909 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	346.97	32.75
33 42 11 00-0910 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	433.93	40.03
33 42 11 00-0911 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	496.65	58.22
33 42 11 00-0912 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	534.83	63.68
33 42 11 00-0913 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	570.65	68.22
33 42 11 00-0914 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	606.33	72.77
33 42 11 00-0915 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	642.74	77.32
<b>33 42 11 00-0916 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> (33 42 11 00-0906)		
33 42 11 00-0917 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	432.34	32.75
33 42 11 00-0918 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	528.96	40.03
33 42 11 00-0919 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	600.08	58.22
33 42 11 00-0920 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	646.51	63.68
33 42 11 00-0921 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	690.61	68.22
33 42 11 00-0922 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	734.67	72.77
33 42 11 00-0923 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	779.29	77.32
33 42 11 00-0924 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	826.68	81.87
33 42 11 00-0925 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	876.00	90.96
33 42 11 00-0926 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	928.44	100.07
<b>33 42 11 00-0927 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> (33 42 11 00-0906)		
33 42 11 00-0928 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	693.91	58.22
33 42 11 00-0929 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	748.10	63.68
33 42 11 00-0930 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	799.95	68.22
33 42 11 00-0931 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	851.55	72.77
33 42 11 00-0932 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	903.89	77.32
33 42 11 00-0933 LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	958.96	81.87
33 42 11 00-0934 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,016.01	90.96
33 42 11 00-0935 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,075.49	100.07
33 42 11 00-0936 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,142.98	109.16
<b>33 42 11 00-0937 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> (33 42 11 00-0792)		
<b>33 42 11 00-0938 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> (33 42 11 00-0937)		
33 42 11 00-0939 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	591.64	58.22
33 42 11 00-0940 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	635.96	63.68
33 42 11 00-0941 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	677.43	68.22
33 42 11 00-0942 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	718.86	72.77
33 42 11 00-0943 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	761.20	77.32
33 42 11 00-0944 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	806.63	81.87
33 42 11 00-0945 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	853.92	90.96
33 42 11 00-0946 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	909.21	100.07
<b>33 42 11 00-0947 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> (33 42 11 00-0937)		
33 42 11 00-0948 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	691.72	58.22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0949	LF		87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	743.98	63.68
33 42 11 00-0950	LF		95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	793.58	68.22
33 42 11 00-0951	LF		103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	843.40	72.77
33 42 11 00-0952	LF		112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	892.57	77.32
33 42 11 00-0953	LF		117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	947.17	81.87
33 42 11 00-0954	LF		128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,002.79	90.96
33 42 11 00-0955	LF		137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,066.40	100.07
33 42 11 00-0956	LF		142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,125.86	109.16
<b>33 42 11 00-0957</b>			<b>Aluminized Type 2 Corrugated Steel Piping</b> (33 42 11 00-0448)		
<b>33 42 11 00-0958</b>			<b>2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> (33 42 11 00-0957)		
<b>33 42 11 00-0959</b>			<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> (33 42 11 00-0958)		
33 42 11 00-0960	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	33.24	8.91
			For 1/2 Bituminous Coated And 25% Paved, Add .....	5.95	
33 42 11 00-0961	LF		15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	37.71	9.34
			For 1/2 Bituminous Coated And 25% Paved, Add .....	7.49	
33 42 11 00-0962	LF		18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	42.35	10.19
			For 1/2 Bituminous Coated And 25% Paved, Add .....	9.08	
33 42 11 00-0963	LF		21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	48.31	11.03
			For 1/2 Bituminous Coated And 25% Paved, Add .....	10.85	
33 42 11 00-0964	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	53.55	11.88
			For 1/2 Bituminous Coated And 25% Paved, Add .....	12.23	
33 42 11 00-0965	LF		30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	70.60	15.28
			For 1/2 Bituminous Coated And 25% Paved, Add .....	15.86	
33 42 11 00-0966	LF		36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	91.97	20.01
			For 1/2 Bituminous Coated And 25% Paved, Add .....	20.01	
33 42 11 00-0967	LF		42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	104.88	23.65
			For 1/2 Bituminous Coated And 25% Paved, Add .....	23.66	
33 42 11 00-0968	LF		48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	117.87	27.29
			For 1/2 Bituminous Coated And 25% Paved, Add .....	26.51	
<b>33 42 11 00-0969</b>			<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> (33 42 11 00-0958)		
33 42 11 00-0970	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	36.45	8.91
			For 1/2 Bituminous Coated And 25% Paved, Add .....	5.65	
33 42 11 00-0971	LF		15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	41.67	9.34
			For 1/2 Bituminous Coated And 25% Paved, Add .....	7.09	
33 42 11 00-0972	LF		18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	47.08	10.19
			For 1/2 Bituminous Coated And 25% Paved, Add .....	8.57	
33 42 11 00-0973	LF		21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	53.80	11.03
			For 1/2 Bituminous Coated And 25% Paved, Add .....	10.19	
33 42 11 00-0974	LF		24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	59.91	11.88
			For 1/2 Bituminous Coated And 25% Paved, Add .....	11.54	
33 42 11 00-0975	LF		30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	78.38	15.28
			For 1/2 Bituminous Coated And 25% Paved, Add .....	14.81	
33 42 11 00-0976	LF		36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	101.39	20.01
			For 1/2 Bituminous Coated And 25% Paved, Add .....	18.57	
33 42 11 00-0977	LF		42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	115.73	23.65
			For 1/2 Bituminous Coated And 25% Paved, Add .....	21.87	
33 42 11 00-0978	LF		48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	130.23	27.29
			For 1/2 Bituminous Coated And 25% Paved, Add .....	24.57	
33 42 11 00-0979	LF		54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	155.82	30.92
			For 1/2 Bituminous Coated And 25% Paved, Add .....	30.21	
<b>33 42 11 00-0980</b>			<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> (33 42 11 00-0958)		
33 42 11 00-0981	LF		18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	57.01	10.19
			For 1/2 Bituminous Coated And 25% Paved, Add .....	7.98	
33 42 11 00-0982	LF		21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	65.39	11.03
			For 1/2 Bituminous Coated And 25% Paved, Add .....	9.45	
33 42 11 00-0983	LF		24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	73.08	11.88
			For 1/2 Bituminous Coated And 25% Paved, Add .....	10.70	
33 42 11 00-0984	LF		30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	94.83	15.28
			For 1/2 Bituminous Coated And 25% Paved, Add .....	13.65	
33 42 11 00-0985	LF		36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	121.22	20.01
			For 1/2 Bituminous Coated And 25% Paved, Add .....	16.94	
33 42 11 00-0986	LF		42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	138.71	23.65
			For 1/2 Bituminous Coated And 25% Paved, Add .....	19.87	
33 42 11 00-0987	LF		48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	156.45	27.29
			For 1/2 Bituminous Coated And 25% Paved, Add .....	22.41	
33 42 11 00-0988	LF		54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	185.77	30.92
			For 1/2 Bituminous Coated And 25% Paved, Add .....	27.06	
33 42 11 00-0989	LF		60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	202.90	32.75
			For 1/2 Bituminous Coated And 25% Paved, Add .....	29.58	
33 42 11 00-0990	LF		66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	247.58	40.03
			For 1/2 Bituminous Coated And 25% Paved, Add .....	36.38	
<b>33 42 11 00-0991</b>			<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> (33 42 11 00-0958)		

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0992	LF	36"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	139.06 18.55	20.01
33 42 11 00-0993	LF	42"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	159.58 21.75	23.65
33 42 11 00-0994	LF	48"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	180.14 24.56	27.29
33 42 11 00-0995	LF	54"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	212.33 29.26	30.92
33 42 11 00-0996	LF	60"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	232.46 32.09	32.75
33 42 11 00-0997	LF	66"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	280.04 38.72	40.03
33 42 11 00-0998	LF	72"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	331.99 41.51	58.22
<b>33 42 11 00-0999</b>			<b>3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0957)</small>		
<b>33 42 11 00-1000</b>			<b>16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0999)</small>		
33 42 11 00-1001	LF	36"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	105.99 22.24	20.01
33 42 11 00-1002	LF	42"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	120.93 26.12	23.65
33 42 11 00-1003	LF	48"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	135.92 29.29	27.29
33 42 11 00-1004	LF	54"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	162.15 35.78	30.92
33 42 11 00-1005	LF	60"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	176.67 38.98	32.75
33 42 11 00-1006	LF	66"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	221.41 50.06	40.03
33 42 11 00-1007	LF	72"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	268.24 53.36	58.22
33 42 11 00-1008	LF	78"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	289.26 56.67	63.68
33 42 11 00-1009	LF	84"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	307.83 59.99	68.22
33 42 11 00-1010	LF	90"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	326.41 63.30	72.77
33 42 11 00-1011	LF	96"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	345.63 66.61	77.32
33 42 11 00-1012	LF	102"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	367.43 69.95	81.87
<b>33 42 11 00-1013</b>			<b>14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0999)</small>		
33 42 11 00-1014	LF	54"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	178.26 31.00	30.92
33 42 11 00-1015	LF	60"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	194.48 33.84	32.75
33 42 11 00-1016	LF	66"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	241.01 42.61	40.03
33 42 11 00-1017	LF	72"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	289.59 45.54	58.22
33 42 11 00-1018	LF	78"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	312.34 48.47	63.68
33 42 11 00-1019	LF	84"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	332.72 51.43	68.22
33 42 11 00-1020	LF	90"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	353.00 54.35	72.77
33 42 11 00-1021	LF	96"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	373.94 57.28	77.32
33 42 11 00-1022	LF	102"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	397.47 60.23	81.87
33 42 11 00-1023	LF	108"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	423.07 63.18	90.96
33 42 11 00-1024	LF	114"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	448.11 66.07	100.07
<b>33 42 11 00-1025</b>			<b>12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0999)</small>		
33 42 11 00-1026	LF	60"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	234.06 45.39	32.75
33 42 11 00-1027	LF	66"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	284.83 55.54	40.03
33 42 11 00-1028	LF	72"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	337.23 59.57	58.22
33 42 11 00-1029	LF	78"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	363.85 63.62	63.68
33 42 11 00-1030	LF	84"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	388.06 67.69	68.22
33 42 11 00-1031	LF	90"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	412.21 71.73	72.77
33 42 11 00-1032	LF	96"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	437.00 75.77	77.32
33 42 11 00-1033	LF	102"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	464.37 79.84	81.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1034 LF 108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	493.78 83.89	90.96
33 42 11 00-1035 LF 114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	522.71 87.91	100.07
33 42 11 00-1036 LF 120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	550.67 91.97	109.16
<b>33 42 11 00-1037 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0999)</small>		
33 42 11 00-1038 LF 72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	381.66 73.12	58.22
33 42 11 00-1039 LF 78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	411.86 78.24	63.68
33 42 11 00-1040 LF 84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	439.72 83.40	68.22
33 42 11 00-1041 LF 90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	467.48 88.53	72.77
33 42 11 00-1042 LF 96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	495.97 93.68	77.32
33 42 11 00-1043 LF 102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	527.00 98.84	81.87
33 42 11 00-1044 LF 108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	560.02 103.97	90.96
33 42 11 00-1045 LF 114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	592.58 109.08	100.07
33 42 11 00-1046 LF 120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	624.20 114.24	109.16
33 42 11 00-1047 LF 126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	657.49 119.37	118.26
33 42 11 00-1048 LF 132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	693.09 124.52	127.35
33 42 11 00-1049 LF 138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	731.48 129.68	136.45
<b>33 42 11 00-1050 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0957)</small>		
<b>33 42 11 00-1051 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1050)</small>		
33 42 11 00-1052 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	136.44 36.29	27.29
33 42 11 00-1053 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	163.08 44.46	30.92
33 42 11 00-1054 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	177.49 48.35	32.75
33 42 11 00-1055 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	219.59 60.87	40.03
33 42 11 00-1056 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	266.21 64.84	58.22
33 42 11 00-1057 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	286.99 68.80	63.68
33 42 11 00-1058 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	305.22 72.74	68.22
33 42 11 00-1059 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	323.41 76.66	72.77
33 42 11 00-1060 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	342.45 80.66	77.32
33 42 11 00-1061 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	364.19 84.74	81.87
<b>33 42 11 00-1062 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1050)</small>		
33 42 11 00-1063 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	183.22 41.92	30.92
33 42 11 00-1064 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	199.93 45.77	32.75
33 42 11 00-1065 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	244.03 56.32	40.03
33 42 11 00-1066 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	292.65 60.14	58.22
33 42 11 00-1067 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	315.79 64.07	63.68
33 42 11 00-1068 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	336.27 67.94	68.22
33 42 11 00-1069 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	355.60 71.42	72.77
33 42 11 00-1070 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	377.85 75.66	77.32
33 42 11 00-1071 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	401.50 79.54	81.87
33 42 11 00-1072 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	427.13 83.37	90.96
33 42 11 00-1073 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	452.65 87.29	100.07

## 33 Utilities

## 33 40 Stormwater Utilities

## 33 42 Stormwater Conveyance

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1074			12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1050)</small>		
33 42 11 00-1075	LF		60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	241.88 50.50	32.75
33 42 11 00-1076	LF		66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	290.28 60.61	40.03
33 42 11 00-1077	LF		72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	343.29 65.07	58.22
33 42 11 00-1078	LF		78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	370.30 69.48	63.68
33 42 11 00-1079	LF		84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	394.75 73.88	68.22
33 42 11 00-1080	LF		90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	419.42 78.33	72.77
33 42 11 00-1081	LF		96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	444.60 82.74	77.32
33 42 11 00-1082	LF		102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	472.28 87.15	81.87
33 42 11 00-1083	LF		108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	502.17 91.59	90.96
33 42 11 00-1084	LF		114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	531.61 96.01	100.07
33 42 11 00-1085	LF		120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	559.91 100.43	109.16
33 42 11 00-1086			10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1050)</small>		
33 42 11 00-1087	LF		72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	391.78 78.94	58.22
33 42 11 00-1088	LF		78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	423.30 84.64	63.68
33 42 11 00-1089	LF		84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	451.96 90.24	68.22
33 42 11 00-1090	LF		90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	480.44 95.78	72.77
33 42 11 00-1091	LF		96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	509.75 101.37	77.32
33 42 11 00-1092	LF		102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	541.45 106.93	81.87
33 42 11 00-1093	LF		108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	575.35 112.52	90.96
33 42 11 00-1094	LF		114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	608.84 118.10	100.07
33 42 11 00-1095	LF		120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	641.10 123.65	109.16
33 42 11 00-1096	LF		126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	681.41 130.98	118.26
33 42 11 00-1097	LF		132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	719.37 137.02	127.35
33 42 11 00-1098	LF		138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	760.92 143.29	136.45
33 42 11 00-1099			Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0957)</small>		
33 42 11 00-1100			16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1099)</small>		
33 42 11 00-1101	LF		18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	47.77	10.19
33 42 11 00-1102	LF		21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	54.58	11.03
33 42 11 00-1103	LF		24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	60.97	11.88
33 42 11 00-1104	LF		30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	79.66	15.28
33 42 11 00-1105	LF		36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	102.60	20.01
33 42 11 00-1106	LF		42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	117.15	23.65
33 42 11 00-1107	LF		48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	132.13	27.29
33 42 11 00-1108	LF		54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	156.66	30.92
33 42 11 00-1109	LF		60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	171.16	32.75
33 42 11 00-1110			14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1099)</small>		
33 42 11 00-1111	LF		18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	52.44	10.19
33 42 11 00-1112	LF		21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	60.03	11.03
33 42 11 00-1113	LF		24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	67.14	11.88
33 42 11 00-1114	LF		30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	87.38	15.28
33 42 11 00-1115	LF		36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	111.90	20.01
33 42 11 00-1116	LF		42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	128.02	23.65
33 42 11 00-1117	LF		48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	144.55	27.29
33 42 11 00-1118	LF		54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	170.63	30.92
33 42 11 00-1119	LF		60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	186.73	32.75
33 42 11 00-1120	LF		66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	226.98	40.03
33 42 11 00-1121	LF		72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	274.96	58.22
33 42 11 00-1122	LF		78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	297.25	63.68
33 42 11 00-1123			12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1099)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1124	LF		30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	103.04	15.28
33 42 11 00-1125	LF		36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	130.64	20.01
33 42 11 00-1126	LF		42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	149.98	23.65
33 42 11 00-1127	LF		48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	169.60	27.29
33 42 11 00-1128	LF		54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	198.79	30.92
33 42 11 00-1129	LF		60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	218.07	32.75
33 42 11 00-1130	LF		66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	261.39	40.03
33 42 11 00-1131	LF		72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	312.46	58.22
33 42 11 00-1132	LF		78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	337.87	63.68
33 42 11 00-1133	LF		84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	360.71	68.22
33 42 11 00-1134	LF		90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	383.59	72.77
33 42 11 00-1135	LF		96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	407.05	77.32
33 42 11 00-1136	LF		102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	431.54	81.87
<b>33 42 11 00-1137</b>			<b>Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-0448)</small></b>		
<b>33 42 11 00-1138</b>			<b>2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1137)</small></b>		
<b>33 42 11 00-1139</b>			<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1138)</small></b>		
33 42 11 00-1140	LF		17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	38.80	9.34
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	9.68	
33 42 11 00-1141	LF		21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	43.32	10.19
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	11.56	
33 42 11 00-1142	LF		24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	49.65	11.03
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	13.90	
33 42 11 00-1143	LF		28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	55.79	11.88
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	16.02	
33 42 11 00-1144	LF		35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	72.63	15.28
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	20.35	
33 42 11 00-1145	LF		42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	95.69	20.01
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	26.25	
<b>33 42 11 00-1146</b>			<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1138)</small></b>		
33 42 11 00-1147	LF		17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	42.76	9.34
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	10.03	
33 42 11 00-1148	LF		21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	48.14	10.19
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	12.01	
33 42 11 00-1149	LF		24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	55.07	11.03
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	14.29	
33 42 11 00-1150	LF		28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	62.06	11.88
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	16.48	
33 42 11 00-1151	LF		35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	80.44	15.28
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	20.86	
33 42 11 00-1152	LF		42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	104.99	20.01
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	26.58	
33 42 11 00-1153	LF		49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	120.81	23.65
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	31.66	
<b>33 42 11 00-1154</b>			<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1138)</small></b>		
33 42 11 00-1155	LF		21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	57.95	10.19
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	11.00	
33 42 11 00-1156	LF		24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	66.70	11.03
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	13.08	
33 42 11 00-1157	LF		28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	75.23	11.88
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	15.01	
33 42 11 00-1158	LF		35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	96.89	15.28
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	18.94	
33 42 11 00-1159	LF		42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	124.86	20.01
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	23.82	
33 42 11 00-1160	LF		49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	143.98	23.65
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	28.23	
33 42 11 00-1161	LF		57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	168.54	27.29
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	33.61	
33 42 11 00-1162	LF		64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	188.13	30.92
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	37.05	
<b>33 42 11 00-1163</b>			<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1138)</small></b>		
33 42 11 00-1164	LF		42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	142.70	20.01
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	25.06	
33 42 11 00-1165	LF		49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	164.79	23.65
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	29.62	
33 42 11 00-1166	LF		57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	192.13	27.29
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	34.97	
33 42 11 00-1167	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	214.81	30.92
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	38.72	
33 42 11 00-1168	LF		71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	235.15	32.75
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	42.46	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 42 11 00-1169		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <sup>(33 42 11 00-1137)</sup>			
33 42 11 00-1170		14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <sup>(33 42 11 00-1169)</sup>			
33 42 11 00-1171	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	181.44 55.65		30.92
33 42 11 00-1172	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	198.27 60.90		32.75
33 42 11 00-1173	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	245.37 76.49		40.03
33 42 11 00-1174	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	294.80 81.99		58.22
33 42 11 00-1175	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	319.03 87.79		63.68
33 42 11 00-1176	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	340.81 93.60		68.22
33 42 11 00-1177	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	362.54 99.39		72.77
33 42 11 00-1178	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	384.97 105.18		77.32
33 42 11 00-1179		12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <sup>(33 42 11 00-1169)</sup>			
33 42 11 00-1180	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	237.88 69.20		32.75
33 42 11 00-1181	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	289.28 84.57		40.03
33 42 11 00-1182	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	342.62 90.96		58.22
33 42 11 00-1183	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	370.67 97.57		63.68
33 42 11 00-1184	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	396.35 104.22		68.22
33 42 11 00-1185	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	421.99 110.86		72.77
33 42 11 00-1186	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	448.24 117.46		77.32
33 42 11 00-1187	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	477.12 124.13		81.87
33 42 11 00-1188	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	508.02 130.76		90.96
33 42 11 00-1189	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	540.21 138.06		100.07
33 42 11 00-1190		10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <sup>(33 42 11 00-1169)</sup>			
33 42 11 00-1191	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	387.02 98.46		58.22
33 42 11 00-1192	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	418.76 105.78		63.68
33 42 11 00-1193	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	448.08 113.13		68.22
33 42 11 00-1194	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	477.29 120.43		72.77
33 42 11 00-1195	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	509.66 128.63		77.32
33 42 11 00-1196	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	539.72 135.09		81.87
33 42 11 00-1197	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	574.29 142.43		90.96
33 42 11 00-1198	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	609.78 150.23		100.07
33 42 11 00-1199	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	648.49 159.62		109.16
33 42 11 00-1200		125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <sup>(33 42 11 00-1137)</sup>			
33 42 11 00-1201		12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <sup>(33 42 11 00-1200)</sup>			
33 42 11 00-1202	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	347.10 89.52		58.22
33 42 11 00-1203	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	374.76 95.75		63.68
33 42 11 00-1204	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	399.78 101.91		68.22
33 42 11 00-1205	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	424.78 108.07		72.77
33 42 11 00-1206	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	450.54 114.25		77.32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-1207	LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	479.09 120.56	81.87
33 42 11 00-1208	LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	509.65 126.83	90.96
33 42 11 00-1209	LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	543.94 134.68	100.07
<b>33 42 11 00-1210</b>	<b>10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1200)</small>		
33 42 11 00-1211	LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	396.29 99.30	58.22
33 42 11 00-1212	LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	427.88 106.39	63.68
33 42 11 00-1213	LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	456.87 113.43	68.22
33 42 11 00-1214	LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	485.98 120.52	72.77
33 42 11 00-1215	LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	515.11 127.37	77.32
33 42 11 00-1216	LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	548.17 134.73	81.87
33 42 11 00-1217	LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	582.83 141.92	90.96
33 42 11 00-1218	LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	621.14 150.53	100.07
33 42 11 00-1219	LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	656.97 158.66	109.16
<b>33 42 11 00-1220</b>	<b>Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-0448)</small>		
<b>33 42 11 00-1221</b>	<b>1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1220)</small>		
<b>33 42 11 00-1222</b>	<b>18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1221)</small>		
33 42 11 00-1223	LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	19.77 1.84	5.09
33 42 11 00-1224	LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	25.37 2.50	6.37
33 42 11 00-1225	LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	32.82 3.29	7.65
<b>33 42 11 00-1226</b>	<b>16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1221)</small>		
33 42 11 00-1227	LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	21.88 1.82	5.09
33 42 11 00-1228	LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	28.35 2.50	6.37
33 42 11 00-1229	LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	36.80 3.29	7.65
<b>33 42 11 00-1230</b>	<b>2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1220)</small>		
<b>33 42 11 00-1231</b>	<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1230)</small>		
33 42 11 00-1232	LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	38.09 3.62	8.91
33 42 11 00-1233	LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	43.73 4.54	9.34
33 42 11 00-1234	LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	49.73 5.52	10.19
33 42 11 00-1235	LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	57.08 6.59	11.03
33 42 11 00-1236	LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	63.69 7.47	11.88
<b>33 42 11 00-1237</b>	<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1230)</small>		
33 42 11 00-1238	LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	42.62 3.54	8.91
33 42 11 00-1239	LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	49.49 4.46	9.34
33 42 11 00-1240	LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	56.64 5.40	10.19
33 42 11 00-1241	LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	65.09 6.42	11.03
33 42 11 00-1242	LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	72.88 7.29	11.88
33 42 11 00-1243	LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	94.91 9.34	15.28

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1244	LF		36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	121.48 11.62	20.01
<b>33 42 11 00-1245</b>			<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1230)</small>		
33 42 11 00-1246	LF		24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	90.47 6.92	11.88
33 42 11 00-1247	LF		30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	116.80 8.80	15.28
33 42 11 00-1248	LF		36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	147.77 10.85	20.01
33 42 11 00-1249	LF		42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	170.18 12.76	23.65
33 42 11 00-1250	LF		48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	192.45 14.44	27.29
33 42 11 00-1251	LF		54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	226.27 17.13	30.92
<b>33 42 11 00-1252</b>			<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1230)</small>		
33 42 11 00-1253	LF		36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	175.79 10.67	20.01
33 42 11 00-1254	LF		42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	202.82 12.52	23.65
33 42 11 00-1255	LF		48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	229.86 14.21	27.29
33 42 11 00-1256	LF		54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	268.35 16.67	30.92
33 42 11 00-1257	LF		60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	294.98 18.37	32.75
<b>33 42 11 00-1258</b>			<b>3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1220)</small>		
<b>33 42 11 00-1259</b>			<b>16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1258)</small>		
33 42 11 00-1260	LF		30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	93.48	15.28
33 42 11 00-1261	LF		36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	119.70	20.01
33 42 11 00-1262	LF		42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	136.85	23.65
33 42 11 00-1263	LF		48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	154.95	27.29
33 42 11 00-1264	LF		54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	182.82	30.92
<b>33 42 11 00-1265</b>			<b>14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1258)</small>		
33 42 11 00-1266	LF		30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	105.01	15.28
33 42 11 00-1267	LF		36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	136.15	20.01
33 42 11 00-1268	LF		42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	155.94	23.65
33 42 11 00-1269	LF		48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	175.78	27.29
33 42 11 00-1270	LF		54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	207.23	30.92
33 42 11 00-1271	LF		60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	226.56	32.75
33 42 11 00-1272	LF		66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	275.50	40.03
33 42 11 00-1273	LF		72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	327.01	58.22
33 42 11 00-1274	LF		78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	352.73	63.68
<b>33 42 11 00-1275</b>			<b>12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1258)</small>		
33 42 11 00-1276	LF		30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	131.93	15.28
33 42 11 00-1277	LF		36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	166.42	20.01
33 42 11 00-1278	LF		42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	192.11	23.65
33 42 11 00-1279	LF		48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	217.27	27.29
33 42 11 00-1280	LF		54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	253.80	30.92
33 42 11 00-1281	LF		60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	278.14	32.75
33 42 11 00-1282	LF		66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	332.05	40.03
33 42 11 00-1283	LF		72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	388.69	58.22
33 42 11 00-1284	LF		78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	419.45	63.68
33 42 11 00-1285	LF		84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	447.81	68.22
33 42 11 00-1286	LF		90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	476.10	72.77
33 42 11 00-1287	LF		96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	505.06	77.32
<b>33 42 11 00-1288</b>			<b>10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1258)</small>		
33 42 11 00-1289	LF		60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	332.38	32.75
33 42 11 00-1290	LF		66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	389.43	40.03
33 42 11 00-1291	LF		72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	451.22	58.22
33 42 11 00-1292	LF		78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	487.13	63.68
33 42 11 00-1293	LF		84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	520.56	68.22
33 42 11 00-1294	LF		90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	553.99	72.77
33 42 11 00-1295	LF		96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	588.06	77.32
33 42 11 00-1296	LF		102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	624.74	81.87

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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	33 42 11 00-1297	LF		108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	663.45	90.96
	<b>33 42 11 00-1298</b>			<b>Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> (33 42 11 00-1220)		
				Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
	<b>33 42 11 00-1299</b>			<b>16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> (33 42 11 00-1298)		
	33 42 11 00-1300	LF		18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	65.25	10.19
	33 42 11 00-1301	LF		21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	70.18	11.03
	33 42 11 00-1302	LF		24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	84.32	11.88
	33 42 11 00-1303	LF		27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	97.35	13.59
	33 42 11 00-1304	LF		30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	109.28	15.28
	33 42 11 00-1305	LF		33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	121.67	16.98
	<b>33 42 11 00-1306</b>			<b>14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> (33 42 11 00-1298)		
	33 42 11 00-1307	LF		18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	75.00	10.19
	33 42 11 00-1308	LF		21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	86.53	11.03
	33 42 11 00-1309	LF		24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	97.43	11.88
	33 42 11 00-1310	LF		27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	112.07	13.59
	33 42 11 00-1311	LF		30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	125.60	15.28
	33 42 11 00-1312	LF		33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	139.66	16.98
	33 42 11 00-1313	LF		36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	158.54	20.01
	33 42 11 00-1314	LF		42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	182.72	23.65
	33 42 11 00-1315	LF		48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	206.73	27.29
	<b>33 42 11 00-1316</b>			<b>12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> (33 42 11 00-1298)		
	33 42 11 00-1317	LF		30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	157.52	15.28
	33 42 11 00-1318	LF		33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	174.70	16.98
	33 42 11 00-1319	LF		36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	196.82	20.01
	33 42 11 00-1320	LF		42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	227.42	23.65
	33 42 11 00-1321	LF		48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	257.82	27.29
	33 42 11 00-1322	LF		54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	355.28	30.92
	33 42 11 00-1323	LF		60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	390.95	32.75
	<b>33 42 11 00-1324</b>			<b>10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> (33 42 11 00-1298)		
	33 42 11 00-1325	LF		48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	361.91	27.29
	33 42 11 00-1326	LF		54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	419.46	30.92
	33 42 11 00-1327	LF		60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	462.33	32.75
	33 42 11 00-1328	LF		66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	537.41	40.03
	33 42 11 00-1329	LF		72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	611.50	58.22
	33 42 11 00-1330	LF		78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	660.29	63.68
	33 42 11 00-1331	LF		84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	706.21	68.22
	<b>33 42 11 00-1332</b>			<b>Spiral Lockseam Aluminum Pipe-Arch</b> (33 42 11 00-0448)		
	<b>33 42 11 00-1333</b>			<b>2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> (33 42 11 00-1332)		
	<b>33 42 11 00-1334</b>			<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> (33 42 11 00-1333)		
	33 42 11 00-1335	LF		17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch .....	45.79	9.34
				<i>For Bituminous Coated Pipe, Add</i>	4.55	
	33 42 11 00-1336	LF		21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch .....	51.68	10.19
				<i>For Bituminous Coated Pipe, Add</i>	5.44	
	33 42 11 00-1337	LF		24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch .....	59.30	11.03
				<i>For Bituminous Coated Pipe, Add</i>	6.47	
	<b>33 42 11 00-1338</b>			<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> (33 42 11 00-1333)		
	33 42 11 00-1339	LF		17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch .....	51.57	9.34
				<i>For Bituminous Coated Pipe, Add</i>	4.54	
	33 42 11 00-1340	LF		21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch .....	57.22	10.19
				<i>For Bituminous Coated Pipe, Add</i>	5.23	
	33 42 11 00-1341	LF		24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch .....	67.31	11.03
				<i>For Bituminous Coated Pipe, Add</i>	6.42	
	33 42 11 00-1342	LF		28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch .....	75.90	11.88
				<i>For Bituminous Coated Pipe, Add</i>	7.37	
	33 42 11 00-1343	LF		35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch .....	97.91	15.28
				<i>For Bituminous Coated Pipe, Add</i>	9.32	
	<b>33 42 11 00-1344</b>			<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> (33 42 11 00-1333)		
	33 42 11 00-1345	LF		28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch .....	93.49	11.88
				<i>For Bituminous Coated Pipe, Add</i>	7.02	
	33 42 11 00-1346	LF		35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch .....	119.85	15.28
				<i>For Bituminous Coated Pipe, Add</i>	8.85	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1347	LF		42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <i>For Bituminous Coated Pipe, Add</i>	152.94 11.05	20.01
33 42 11 00-1348	LF		49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <i>For Bituminous Coated Pipe, Add</i>	176.98 13.07	23.65
<b>33 42 11 00-1349</b>			<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1333)</small>		
33 42 11 00-1350	LF		42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <i>For Bituminous Coated Pipe, Add</i>	180.92 10.66	20.01
33 42 11 00-1351	LF		49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <i>For Bituminous Coated Pipe, Add</i>	209.68 12.58	23.65
33 42 11 00-1352	LF		57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <i>For Bituminous Coated Pipe, Add</i>	243.63 14.74	27.29
33 42 11 00-1353	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <i>For Bituminous Coated Pipe, Add</i>	272.88 16.40	30.92
<b>33 42 11 00-1354</b>			<b>3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1332)</small>		
<b>33 42 11 00-1355</b>			<b>14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1354)</small>		
33 42 11 00-1356	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	211.75	30.92
33 42 11 00-1357	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	231.83	32.75
33 42 11 00-1358	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	282.00	40.03
<b>33 42 11 00-1359</b>			<b>12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1354)</small>		
33 42 11 00-1360	LF		60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	258.32	30.92
33 42 11 00-1361	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	283.40	32.75
33 42 11 00-1362	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	338.32	40.03
33 42 11 00-1363	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	395.44	58.22
33 42 11 00-1364	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	426.68	63.68
33 42 11 00-1365	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	455.52	68.22
<b>33 42 11 00-1366</b>			<b>10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1354)</small>		
33 42 11 00-1367	LF		66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	337.56	32.75
33 42 11 00-1368	LF		73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	395.47	40.03
33 42 11 00-1369	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	457.72	58.22
33 42 11 00-1370	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	494.11	63.68
33 42 11 00-1371	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	528.02	68.22
33 42 11 00-1372	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	561.91	72.77
<b>33 42 11 00-1373</b>			<b>Corrugated Steel Pipe Fittings</b> <small>(33 42 11 00-0448)</small> Note: Equivalent pipe-arch sizes are approximate.		
<b>33 42 11 00-1374</b>			<b>Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings</b> <small>(33 42 11 00-1373)</small> Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1375	EA		Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	76.67	
33 42 11 00-1376	EA		Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	96.14	
33 42 11 00-1377	EA		Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	115.62	
33 42 11 00-1378	EA		Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	136.33	
33 42 11 00-1379	EA		Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	165.53	
33 42 11 00-1380	EA		Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	194.73	
33 42 11 00-1381	EA		Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	223.94	
33 42 11 00-1382	EA		Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	253.14	
33 42 11 00-1383	EA		Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	329.82	
33 42 11 00-1384	EA		Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	393.10	
33 42 11 00-1385	EA		Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	456.40	
33 42 11 00-1386	EA		Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	590.27	
33 42 11 00-1387	EA		Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	665.74	
33 42 11 00-1388	EA		Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	743.63	
33 42 11 00-1389	EA		Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	823.95	
33 42 11 00-1390	EA		Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,004.08	
33 42 11 00-1391	EA		Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,095.34	
33 42 11 00-1392	EA		Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,189.06	
33 42 11 00-1393	EA		Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,459.25	
33 42 11 00-1394	EA		Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,566.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-1395	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,674.67	
33 42 11 00-1396	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,782.99	
33 42 11 00-1397	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,890.08	
33 42 11 00-1398	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,998.41	
33 42 11 00-1399	EA	Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,112.61	
33 42 11 00-1400	EA	Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,233.35	
33 42 11 00-1401	EA	Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,360.96	

**33 42 11 00-1402 Fabricate Corrugated Steel Pipe Tees Or Laterals** (33 42 11 00-1373)

Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.

33 42 11 00-1403	EA	Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	99.80	
33 42 11 00-1404	EA	Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	127.80	
33 42 11 00-1405	EA	Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	155.77	
33 42 11 00-1406	EA	Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	183.78	
33 42 11 00-1407	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	223.94	
33 42 11 00-1408	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	265.31	
33 42 11 00-1409	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	306.71	
33 42 11 00-1410	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	348.06	
33 42 11 00-1411	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	456.40	
33 42 11 00-1412	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	544.03	
33 42 11 00-1413	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	632.86	
33 42 11 00-1414	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	821.50	
33 42 11 00-1415	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	924.96	
33 42 11 00-1416	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,032.05	
33 42 11 00-1417	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,141.59	
33 42 11 00-1418	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,392.29	
33 42 11 00-1419	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,516.46	
33 42 11 00-1420	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,643.02	
33 42 11 00-1421	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,021.51	
33 42 11 00-1422	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,166.35	
33 42 11 00-1423	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,311.18	
33 42 11 00-1424	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,457.21	
33 42 11 00-1425	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,603.27	
33 42 11 00-1426	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,748.08	
33 42 11 00-1427	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe).....	2,900.97	
33 42 11 00-1428	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	3,062.35	
33 42 11 00-1429	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	3,232.69	

**33 42 11 00-1430 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting** (33 42 11 00-1373)

Note: Applied to pipe tasks.

33 42 11 00-1431	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	38.42	
33 42 11 00-1432	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	48.33	
33 42 11 00-1433	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	60.80	
33 42 11 00-1434	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	74.45	
33 42 11 00-1435	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	94.20	
33 42 11 00-1436	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	115.35	
33 42 11 00-1437	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	135.12	
33 42 11 00-1438	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	156.98	
33 42 11 00-1439	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	192.81	
33 42 11 00-1440	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	229.88	
33 42 11 00-1441	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	274.30	
33 42 11 00-1442	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	337.42	
33 42 11 00-1443	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	381.91	
33 42 11 00-1444	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	430.10	
33 42 11 00-1445	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	521.57	
33 42 11 00-1446	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	578.41	
33 42 11 00-1447	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	705.72	
33 42 11 00-1448	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	768.78	
33 42 11 00-1449	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	835.54	
33 42 11 00-1450	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	901.00	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 11 00-1451	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	967.74
33 42 11 00-1452	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,035.70
33 42 11 00-1453	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,102.47
33 42 11 00-1454	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,169.20
33 42 11 00-1455	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,239.96
33 42 11 00-1456	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,315.00
33 42 11 00-1457	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,394.59

**33 42 11 00-1458 Saddles, Corrugated Steel Pipe Fitting (33 42 11 00-1373)**

Note: For Field Tap

33 42 11 00-1459	EA	6" Saddle, Corrugated Steel Pipe Fitting	176.83
33 42 11 00-1460	EA	8" Saddle, Corrugated Steel Pipe Fitting	199.76
33 42 11 00-1461	EA	10" Saddle, Corrugated Steel Pipe Fitting	230.17
33 42 11 00-1462	EA	12" Saddle, Corrugated Steel Pipe Fitting	281.51
33 42 11 00-1463	EA	15" Saddle, Corrugated Steel Pipe Fitting	346.45
33 42 11 00-1464	EA	18" Saddle, Corrugated Steel Pipe Fitting	412.76
33 42 11 00-1465	EA	21" Saddle, Corrugated Steel Pipe Fitting	519.51
33 42 11 00-1466	EA	24" Saddle, Corrugated Steel Pipe Fitting	616.93
33 42 11 00-1467	EA	30" Saddle, Corrugated Steel Pipe Fitting	776.05
33 42 11 00-1468	EA	36" Saddle, Corrugated Steel Pipe Fitting	999.32
33 42 11 00-1469	EA	42" Saddle, Corrugated Steel Pipe Fitting	1,179.26
33 42 11 00-1470	EA	48" Saddle, Corrugated Steel Pipe Fitting	1,386.65
33 42 11 00-1471	EA	54" Saddle, Corrugated Steel Pipe Fitting	1,649.58
33 42 11 00-1472	EA	60" Saddle, Corrugated Steel Pipe Fitting	1,954.08
33 42 11 00-1473	EA	66" Saddle, Corrugated Steel Pipe Fitting	2,226.75
33 42 11 00-1474	EA	72" Saddle, Corrugated Steel Pipe Fitting	2,485.16
33 42 11 00-1475	EA	78" Saddle, Corrugated Steel Pipe Fitting	2,919.50
33 42 11 00-1476	EA	84" Saddle, Corrugated Steel Pipe Fitting	3,224.08
33 42 11 00-1477	EA	90" Saddle, Corrugated Steel Pipe Fitting	3,813.51
33 42 11 00-1478	EA	96" Saddle, Corrugated Steel Pipe Fitting	4,214.34
33 42 11 00-1479	EA	102" Saddle, Corrugated Steel Pipe Fitting	4,780.02
33 42 11 00-1480	EA	108" Saddle, Corrugated Steel Pipe Fitting	5,422.99
33 42 11 00-1481	EA	114" Saddle, Corrugated Steel Pipe Fitting	6,151.43
33 42 11 00-1482	EA	120" Saddle, Corrugated Steel Pipe Fitting	6,976.37

**33 42 11 00-1483 Coupling Bands, Corrugated Metal Pipe Fitting (33 42 11 00-1373)**

33 42 11 00-1484	EA	6" Coupling Band, Corrugated Metal Pipe Fitting	10.54
		<i>For Bituminous Coated, Add</i>	3.06
33 42 11 00-1485	EA	8" Coupling Band, Corrugated Metal Pipe Fitting	13.99
		<i>For Bituminous Coated, Add</i>	4.06
33 42 11 00-1486	EA	10" Coupling Band, Corrugated Metal Pipe Fitting	17.63
		<i>For Bituminous Coated, Add</i>	5.11
33 42 11 00-1487	EA	12" Coupling Band, Corrugated Metal Pipe Fitting	29.26
		<i>For Bituminous Coated, Add</i>	8.49
33 42 11 00-1488	EA	15" Coupling Band, Corrugated Metal Pipe Fitting	36.89
		<i>For Bituminous Coated, Add</i>	10.70
33 42 11 00-1489	EA	18" Coupling Band, Corrugated Metal Pipe Fitting	54.12
		<i>For Bituminous Coated, Add</i>	15.69
33 42 11 00-1490	EA	21" Coupling Band, Corrugated Metal Pipe Fitting	64.24
		<i>For Bituminous Coated, Add</i>	18.63
33 42 11 00-1491	EA	24" Coupling Band, Corrugated Metal Pipe Fitting	72.84
		<i>For Bituminous Coated, Add</i>	21.12
33 42 11 00-1492	EA	30" Coupling Band, Corrugated Metal Pipe Fitting	126.05
		<i>For Bituminous Coated, Add</i>	36.55
33 42 11 00-1493	EA	36" Coupling Band, Corrugated Metal Pipe Fitting	201.67
		<i>For Bituminous Coated, Add</i>	48.40
33 42 11 00-1494	EA	42" Coupling Band, Corrugated Metal Pipe Fitting	236.96
		<i>For Bituminous Coated, Add</i>	56.87
33 42 11 00-1495	EA	48" Coupling Band, Corrugated Metal Pipe Fitting	265.52
		<i>For Bituminous Coated, Add</i>	63.72
33 42 11 00-1496	EA	54" Coupling Band, Corrugated Metal Pipe Fitting	376.55
		<i>For Bituminous Coated, Add</i>	90.37
33 42 11 00-1497	EA	60" Coupling Band, Corrugated Metal Pipe Fitting	538.58
		<i>For Bituminous Coated, Add</i>	96.94
33 42 11 00-1498	EA	66" Coupling Band, Corrugated Metal Pipe Fitting	661.90
		<i>For Bituminous Coated, Add</i>	119.14
33 42 11 00-1499	EA	72" Coupling Band, Corrugated Metal Pipe Fitting	850.25
		<i>For Bituminous Coated, Add</i>	119.04
33 42 11 00-1500	EA	78" Coupling Band, Corrugated Metal Pipe Fitting	909.40
		<i>For Bituminous Coated, Add</i>	127.32
33 42 11 00-1501	EA	84" Coupling Band, Corrugated Metal Pipe Fitting	968.88
		<i>For Bituminous Coated, Add</i>	135.64
33 42 11 00-1502	EA	90" Coupling Band, Corrugated Metal Pipe Fitting	1,028.06
		<i>For Bituminous Coated, Add</i>	143.93
33 42 11 00-1503	EA	96" Coupling Band, Corrugated Metal Pipe Fitting	1,087.39
		<i>For Bituminous Coated, Add</i>	152.23
33 42 11 00-1504	EA	102" Coupling Band, Corrugated Metal Pipe Fitting	1,146.87
		<i>For Bituminous Coated, Add</i>	160.56
33 42 11 00-1505	EA	108" Coupling Band, Corrugated Metal Pipe Fitting	1,206.08
		<i>For Bituminous Coated, Add</i>	168.85
33 42 11 00-1506	EA	114" Coupling Band, Corrugated Metal Pipe Fitting	1,428.47
		<i>For Bituminous Coated, Add</i>	171.42
33 42 11 00-1507	EA	120" Coupling Band, Corrugated Metal Pipe Fitting	1,324.41
		<i>For Bituminous Coated, Add</i>	158.93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-1508 EA 126" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	1,383.43 166.01	
33 42 11 00-1509 EA 132" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	1,442.89 173.15	
33 42 11 00-1510 EA 138" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	1,502.40 180.29	

**33 42 11 00-1511 90 Degree Bends, Galvanized Corrugated Metal Pipe Fitting (33 42 11 00-1373)**

33 42 11 00-1512 EA 12" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	314.77	101.88
33 42 11 00-1513 EA 15" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	383.13	127.36
33 42 11 00-1514 EA 18" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	452.20	169.80
33 42 11 00-1515 EA 24" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	615.10	237.73
33 42 11 00-1516 EA 30" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	792.68	271.69
33 42 11 00-1517 EA 36" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,102.79	309.28
33 42 11 00-1518 EA 42" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,299.68	363.86
33 42 11 00-1519 EA 48" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,486.27	363.86
33 42 11 00-1520 EA 54" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,802.50	509.40
33 42 11 00-1521 EA 60" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,027.74	509.40
33 42 11 00-1522 EA 66" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,473.29	636.75
33 42 11 00-1523 EA 72" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,627.74	677.69
33 42 11 00-1524 EA 78" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	3,099.94	848.97
33 42 11 00-1525 EA 84" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	3,435.96	909.64

**33 42 11 00-1526 Wyes Or Tees, Galvanized Corrugated Metal Pipe Fitting (33 42 11 00-1373)**

33 42 11 00-1527 EA 12" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	454.89	135.84
33 42 11 00-1528 EA 15" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	526.11	169.80
33 42 11 00-1529 EA 18" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	616.65	220.74
33 42 11 00-1530 EA 24" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	875.06	305.64
33 42 11 00-1531 EA 30" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,153.01	356.59
33 42 11 00-1532 EA 36" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,593.08	418.44
33 42 11 00-1533 EA 42" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,880.91	491.21
33 42 11 00-1534 EA 48" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	2,187.65	491.21
33 42 11 00-1535 EA 54" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	2,617.77	673.13
33 42 11 00-1536 EA 60" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	2,926.69	673.13
33 42 11 00-1537 EA 66" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	3,494.94	855.06
33 42 11 00-1538 EA 72" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	3,675.14	909.64
33 42 11 00-1539 EA 78" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	4,476.17	1,132.51
33 42 11 00-1540 EA 84" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	5,156.66	1,218.93

**33 42 13 Stormwater Culverts (33 42)**

**33 42 13 13 Precast Concrete Stormwater Culverts (33 42 13)**

**33 42 13 13-0001 Precast Reinforced Concrete Box Culvert (33 42 13 13)**

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0859 for crane lifting equipment.

33 42 13 13-0002 LF 3' x 3' Precast Reinforced Concrete Box Culvert	522.42	45.49
<i>For Each LF Of Cut-Off Section, Add</i>	20.90	
33 42 13 13-0003 LF 4' x 2' Precast Reinforced Concrete Box Culvert	595.32	45.49
<i>For Each LF Of Cut-Off Section, Add</i>	23.81	
33 42 13 13-0004 LF 4' x 3' Precast Reinforced Concrete Box Culvert	713.07	45.49
<i>For Each LF Of Cut-Off Section, Add</i>	28.52	
33 42 13 13-0005 LF 5' x 3' Precast Reinforced Concrete Box Culvert	853.49	56.85
<i>For Each LF Of Cut-Off Section, Add</i>	34.14	
33 42 13 13-0006 LF 5' x 4' Precast Reinforced Concrete Box Culvert	875.92	56.85
<i>For Each LF Of Cut-Off Section, Add</i>	35.04	
33 42 13 13-0007 LF 5' x 5' Precast Reinforced Concrete Box Culvert	887.14	56.85
<i>For Each LF Of Cut-Off Section, Add</i>	35.49	
33 42 13 13-0008 LF 6' x 3' Precast Reinforced Concrete Box Culvert	914.10	59.13
<i>For Each LF Of Cut-Off Section, Add</i>	36.56	
33 42 13 13-0009 LF 6' x 4' Precast Reinforced Concrete Box Culvert	919.71	59.13
<i>For Each LF Of Cut-Off Section, Add</i>	36.79	
33 42 13 13-0010 LF 6' x 6' Precast Reinforced Concrete Box Culvert	1,020.65	59.13
<i>For Each LF Of Cut-Off Section, Add</i>	40.83	
33 42 13 13-0011 LF 7' x 4' Precast Reinforced Concrete Box Culvert	1,038.78	68.22
<i>For Each LF Of Cut-Off Section, Add</i>	41.55	
33 42 13 13-0012 LF 7' x 6' Precast Reinforced Concrete Box Culvert	1,087.72	92.78
<i>For Each LF Of Cut-Off Section, Add</i>	43.51	
33 42 13 13-0013 LF 8' x 2' Precast Reinforced Concrete Box Culvert	1,026.26	59.13
<i>For Each LF Of Cut-Off Section, Add</i>	41.05	
33 42 13 13-0014 LF 8' x 3' Precast Reinforced Concrete Box Culvert	1,044.39	68.22
<i>For Each LF Of Cut-Off Section, Add</i>	41.78	
33 42 13 13-0015 LF 8' x 4' Precast Reinforced Concrete Box Culvert	1,061.21	68.22
<i>For Each LF Of Cut-Off Section, Add</i>	42.45	
33 42 13 13-0016 LF 8' x 5' Precast Reinforced Concrete Box Culvert	1,270.26	90.96
<i>For Each LF Of Cut-Off Section, Add</i>	50.81	
33 42 13 13-0017 LF 8' x 6' Precast Reinforced Concrete Box Culvert	1,274.74	90.96
<i>For Each LF Of Cut-Off Section, Add</i>	50.99	
33 42 13 13-0018 LF 8' x 8' Precast Reinforced Concrete Box Culvert	1,395.21	113.71
<i>For Each LF Of Cut-Off Section, Add</i>	55.81	
33 42 13 13-0019 LF 9' x 4' Precast Reinforced Concrete Box Culvert	1,414.93	90.96
<i>For Each LF Of Cut-Off Section, Add</i>	56.60	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 13 13-0020	LF 9' x 6' Precast Reinforced Concrete Box Culvert.....	1,477.08	113.71
	<i>For Each LF Of Cut-Off Section, Add</i>	59.08	
33 42 13 13-0021	LF 10' x 3' Precast Reinforced Concrete Box Culvert.....	1,482.69	113.71
	<i>For Each LF Of Cut-Off Section, Add</i>	59.31	
33 42 13 13-0022	LF 10' x 4' Precast Reinforced Concrete Box Culvert.....	1,830.35	113.71
	<i>For Each LF Of Cut-Off Section, Add</i>	73.21	
33 42 13 13-0023	LF 10' x 5' Precast Reinforced Concrete Box Culvert.....	1,898.11	136.45
	<i>For Each LF Of Cut-Off Section, Add</i>	75.92	
33 42 13 13-0024	LF 10' x 6' Precast Reinforced Concrete Box Culvert.....	1,920.53	136.45
	<i>For Each LF Of Cut-Off Section, Add</i>	76.82	
33 42 13 13-0025	LF 10' x 7' Precast Reinforced Concrete Box Culvert.....	1,926.14	136.45
	<i>For Each LF Of Cut-Off Section, Add</i>	77.05	
33 42 13 13-0026	LF 10' x 8' Precast Reinforced Concrete Box Culvert.....	1,933.99	136.45
	<i>For Each LF Of Cut-Off Section, Add</i>	77.36	
33 42 13 13-0027	LF 12' x 3' Precast Reinforced Concrete Box Culvert.....	1,988.29	159.18
	<i>For Each LF Of Cut-Off Section, Add</i>	79.53	
33 42 13 13-0028	LF 12' x 4' Precast Reinforced Concrete Box Culvert.....	1,988.29	159.18
	<i>For Each LF Of Cut-Off Section, Add</i>	79.53	
33 42 13 13-0029	LF 12' x 6' Precast Reinforced Concrete Box Culvert.....	1,988.29	159.18
	<i>For Each LF Of Cut-Off Section, Add</i>	79.53	
33 42 13 13-0030	LF 12' x 8' Precast Reinforced Concrete Box Culvert.....	1,988.29	159.18
	<i>For Each LF Of Cut-Off Section, Add</i>	79.53	
33 42 13 13-0031	LF 16' x 10' Precast Reinforced Concrete Box Culvert.....	2,953.23	181.93
	<i>For Each LF Of Cut-Off Section, Add</i>	118.13	
33 42 13 13-0032	LF 24' x 10' Precast Reinforced Concrete Box Culvert.....	4,186.89	181.93
	<i>For Each LF Of Cut-Off Section, Add</i>	167.48	

**33 42 13 13-0033 Precast Reinforced Concrete Box Culvert For Roadways** (33 42 13 13)

Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0859 for crane lifting equipment.

33 42 13 13-0034	LF 3' x 3' Precast Reinforced Concrete Box Culvert For Roadways.....	1,380.93	45.49
	<i>For Each LF Of Cut-Off Section, Add</i>	55.24	
33 42 13 13-0035	LF 4' x 2' Precast Reinforced Concrete Box Culvert For Roadways.....	1,488.65	45.49
	<i>For Each LF Of Cut-Off Section, Add</i>	59.55	
33 42 13 13-0036	LF 4' x 3' Precast Reinforced Concrete Box Culvert For Roadways.....	1,679.29	45.49
	<i>For Each LF Of Cut-Off Section, Add</i>	67.17	
33 42 13 13-0037	LF 5' x 3' Precast Reinforced Concrete Box Culvert For Roadways.....	1,892.55	56.85
	<i>For Each LF Of Cut-Off Section, Add</i>	75.70	
33 42 13 13-0038	LF 5' x 4' Precast Reinforced Concrete Box Culvert For Roadways.....	2,083.19	56.85
	<i>For Each LF Of Cut-Off Section, Add</i>	83.33	
33 42 13 13-0039	LF 5' x 5' Precast Reinforced Concrete Box Culvert For Roadways.....	2,273.84	56.85
	<i>For Each LF Of Cut-Off Section, Add</i>	90.95	
33 42 13 13-0040	LF 6' x 3' Precast Reinforced Concrete Box Culvert For Roadways.....	2,087.73	59.13
	<i>For Each LF Of Cut-Off Section, Add</i>	83.51	
33 42 13 13-0041	LF 6' x 4' Precast Reinforced Concrete Box Culvert For Roadways.....	2,278.38	59.13
	<i>For Each LF Of Cut-Off Section, Add</i>	91.14	
33 42 13 13-0042	LF 6' x 6' Precast Reinforced Concrete Box Culvert For Roadways.....	2,659.66	59.13
	<i>For Each LF Of Cut-Off Section, Add</i>	106.39	
33 42 13 13-0043	LF 7' x 4' Precast Reinforced Concrete Box Culvert For Roadways.....	2,487.15	68.22
	<i>For Each LF Of Cut-Off Section, Add</i>	99.49	
33 42 13 13-0044	LF 7' x 6' Precast Reinforced Concrete Box Culvert For Roadways.....	2,917.33	92.78
	<i>For Each LF Of Cut-Off Section, Add</i>	116.69	
33 42 13 13-0045	LF 8' x 2' Precast Reinforced Concrete Box Culvert For Roadways.....	2,278.38	59.13
	<i>For Each LF Of Cut-Off Section, Add</i>	91.14	
33 42 13 13-0046	LF 8' x 3' Precast Reinforced Concrete Box Culvert For Roadways.....	2,487.15	68.22
	<i>For Each LF Of Cut-Off Section, Add</i>	99.49	
33 42 13 13-0047	LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways.....	2,677.79	68.22
	<i>For Each LF Of Cut-Off Section, Add</i>	107.11	
33 42 13 13-0048	LF 8' x 5' Precast Reinforced Concrete Box Culvert For Roadways.....	2,913.70	90.96
	<i>For Each LF Of Cut-Off Section, Add</i>	116.55	
33 42 13 13-0049	LF 8' x 6' Precast Reinforced Concrete Box Culvert For Roadways.....	3,104.35	90.96
	<i>For Each LF Of Cut-Off Section, Add</i>	124.17	
33 42 13 13-0050	LF 8' x 8' Precast Reinforced Concrete Box Culvert For Roadways.....	3,530.96	113.71
	<i>For Each LF Of Cut-Off Section, Add</i>	141.24	
33 42 13 13-0051	LF 9' x 4' Precast Reinforced Concrete Box Culvert For Roadways.....	3,135.55	90.96
	<i>For Each LF Of Cut-Off Section, Add</i>	125.42	
33 42 13 13-0052	LF 9' x 6' Precast Reinforced Concrete Box Culvert For Roadways.....	3,588.34	113.71
	<i>For Each LF Of Cut-Off Section, Add</i>	143.53	
33 42 13 13-0053	LF 10' x 3' Precast Reinforced Concrete Box Culvert For Roadways.....	3,546.86	113.71
	<i>For Each LF Of Cut-Off Section, Add</i>	141.87	
33 42 13 13-0054	LF 10' x 4' Precast Reinforced Concrete Box Culvert For Roadways.....	3,773.23	113.71
	<i>For Each LF Of Cut-Off Section, Add</i>	150.93	
33 42 13 13-0055	LF 10' x 5' Precast Reinforced Concrete Box Culvert For Roadways.....	4,044.91	136.45
	<i>For Each LF Of Cut-Off Section, Add</i>	161.80	
33 42 13 13-0056	LF 10' x 6' Precast Reinforced Concrete Box Culvert For Roadways.....	4,271.29	136.45
	<i>For Each LF Of Cut-Off Section, Add</i>	170.85	
33 42 13 13-0057	LF 10' x 7' Precast Reinforced Concrete Box Culvert For Roadways.....	4,497.70	136.45
	<i>For Each LF Of Cut-Off Section, Add</i>	179.91	
33 42 13 13-0058	LF 10' x 8' Precast Reinforced Concrete Box Culvert For Roadways.....	4,724.07	136.45
	<i>For Each LF Of Cut-Off Section, Add</i>	188.96	
33 42 13 13-0059	LF 12' x 3' Precast Reinforced Concrete Box Culvert For Roadways.....	4,692.36	159.18
	<i>For Each LF Of Cut-Off Section, Add</i>	187.69	
33 42 13 13-0060	LF 12' x 4' Precast Reinforced Concrete Box Culvert For Roadways.....	4,949.67	159.18
	<i>For Each LF Of Cut-Off Section, Add</i>	197.99	
33 42 13 13-0061	LF 12' x 6' Precast Reinforced Concrete Box Culvert For Roadways.....	5,464.40	159.18
	<i>For Each LF Of Cut-Off Section, Add</i>	218.58	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 13 13-0062	LF			12' x 8' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	5,979.12 239.16	159.18
33 42 13 13-0063	LF			16' x 10' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	7,168.26 286.73	181.93
33 42 13 13-0064	LF			24' x 10' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	9,112.74 364.51	181.93

**33 42 23 Headwalls and Endwalls for Stormwater Piping (33 42)**

33 42 23 00-0001			<b>Headwalls (33 42 23)</b>			
Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.						
33 42 23 00-0002			<b>Cast In Place Concrete Headwalls (33 42 23 00-0001)</b>			
Note: Includes concrete, forms, rebar (where required), finish and curing.						
33 42 23 00-0003			<b>Skewed Wingwall, Cast In Place Concrete Headwall (33 42 23 00-0002)</b>			
Note: Sized by pipe diameter.						
33 42 23 00-0004	EA			12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	1,159.17	593.65
33 42 23 00-0005	EA			15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	1,466.01	633.24
33 42 23 00-0006	EA			18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	1,903.53	829.44
33 42 23 00-0007	EA			24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	2,929.71	1,187.31
33 42 23 00-0008	EA			30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	4,050.54	1,583.08
33 42 23 00-0009	EA			36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	5,149.41	2,086.67
33 42 23 00-0010	EA			42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	7,193.39	2,878.30
33 42 23 00-0011	EA			48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	8,543.12	3,392.28
33 42 23 00-0012	EA			54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	10,290.59	4,129.82
33 42 23 00-0013	EA			60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	12,383.21	4,999.19

**33 42 23 00-0014 Precast Concrete Headwalls (33 42 23 00-0001)**

33 42 23 00-0015	EA			12" Pipe, Precast Concrete Headwall .....	548.99	152.83
33 42 23 00-0016	EA			15" Pipe, Precast Concrete Headwall .....	574.46	161.31
33 42 23 00-0017	EA			18" Pipe, Precast Concrete Headwall .....	635.01	183.39
33 42 23 00-0018	EA			24" Pipe, Precast Concrete Headwall .....	697.42	195.27
33 42 23 00-0019	EA			30" Pipe, Precast Concrete Headwall .....	897.17	229.23
33 42 23 00-0020	EA			36" Pipe, Precast Concrete Headwall .....	1,018.25	237.73
33 42 23 00-0021	EA			42" Pipe, Precast Concrete Headwall .....	1,314.55	280.71
33 42 23 00-0022	EA			48" Pipe, Precast Concrete Headwall .....	1,441.49	309.28
33 42 23 00-0023	EA			54" Pipe, Precast Concrete Headwall .....	1,582.72	327.47
33 42 23 00-0024	EA			60" Pipe, Precast Concrete Headwall .....	1,780.91	327.47
33 42 23 00-0025	EA			72" Pipe, Precast Concrete Headwall .....	2,104.54	409.34
33 42 23 00-0026	EA			84" Pipe, Precast Concrete Headwall .....	2,902.13	491.21

**33 42 23 00-0027 Precast Concrete Wingwalls (33 42 23 00-0001)**

33 42 23 00-0028	EA			18" ID Pipe (26" Hole) Precast Concrete Wingwall .....	3,586.66	1,620.99
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.						
33 42 23 00-0029	EA			24" ID Pipe (32" Hole) Precast Concrete Wingwall .....	3,859.56	1,801.10
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.						
33 42 23 00-0030	EA			30" ID Pipe (42" Hole) Precast Concrete Wingwall .....	4,314.38	2,101.28
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.						
33 42 23 00-0031	EA			33" ID Pipe (46" Hole) Precast Concrete Wingwall .....	4,769.20	2,401.46
Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.						
33 42 23 00-0032	EA			36" ID Pipe (50" Hole) Precast Concrete Wingwall .....	4,769.20	2,401.46
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.						
33 42 23 00-0033	EA			44" ID Pipe (58" Hole) Precast Concrete Wingwall .....	4,951.14	2,521.53
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.						
33 42 23 00-0034	EA			48" ID Pipe (62" Hole) Precast Concrete Wingwall .....	7,279.84	2,581.57
Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.						
33 42 23 00-0035	EA			52" ID Pipe (66" Hole) Precast Concrete Wingwall .....	7,552.73	2,761.68
Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.						

**33 42 23 00-0036 Precast Concrete Transverse Drainage Interceptor (33 42 23 00-0001)**

33 42 23 00-0037	EA			34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate .....	2,829.25	636.75
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**33 42 26 End Sections for Stormwater Piping (33 42)**

**33 42 26 16 Corrugated Metal End Sections for Stormwater Piping (33 42 26)**

33 42 26 16-0001			<b>Corrugated Metal Pipe End Sections (33 42 26 16)</b>			
33 42 26 16-0002			<b>Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0001)</b>			
33 42 26 16-0003			<b>Type 1 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)</b>			
Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.						
33 42 26 16-0004	EA			12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section .....	225.65	59.43
33 42 26 16-0005	EA			15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section .....	260.92	63.68
33 42 26 16-0006	EA			18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section .....	303.44	67.92
33 42 26 16-0007	EA			21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section .....	366.03	74.28
33 42 26 16-0008	EA			24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section .....	405.17	80.65
33 42 26 16-0009			<b>Type 2 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)</b>			
Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.						
33 42 26 16-0010	EA			30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section .....	646.22	91.27

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 26 16-0011	EA	36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	839.04	109.16
33 42 26 16-0012	EA	42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,278.82	127.35
33 42 26 16-0013	EA	48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,560.29	145.54
33 42 26 16-0014	EA	54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,860.35	181.93
33 42 26 16-0015	EA	60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	2,173.72	218.31

**33 42 26 16-0016 Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections** (33 42 26 16-0002)

Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.

33 42 26 16-0017	EA	12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	235.19	59.43
33 42 26 16-0018	EA	15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	270.73	63.68
33 42 26 16-0019	EA	18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	318.53	67.92
33 42 26 16-0020	EA	21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	384.14	74.28
33 42 26 16-0021	EA	24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	425.71	80.65
33 42 26 16-0022	EA	30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	709.27	91.27
33 42 26 16-0023	EA	36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	916.19	109.16
33 42 26 16-0024	EA	42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,449.79	127.35
33 42 26 16-0025	EA	48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,780.92	145.54
33 42 26 16-0026	EA	54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,083.47	181.93
33 42 26 16-0027	EA	60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,880.39	218.31
33 42 26 16-0028	EA	66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,284.94	327.47
33 42 26 16-0029	EA	72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,854.73	436.63
33 42 26 16-0030	EA	78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,197.41	468.46
33 42 26 16-0031	EA	84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,548.25	500.31

**33 42 26 16-0032 Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section** (33 42 26 16-0002)

42 26 16-0002

33 42 26 16-0033	EA	Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section.....	28.85	
33 42 26 16-0034	EA	Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section.....	32.09	
33 42 26 16-0035	EA	Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section.....	36.06	
33 42 26 16-0036	EA	Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section.....	39.21	
33 42 26 16-0037	EA	Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section.....	43.85	
33 42 26 16-0038	EA	Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section.....	76.20	
33 42 26 16-0039	EA	Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section.....	82.00	
33 42 26 16-0040	EA	Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section.....	111.91	
33 42 26 16-0041	EA	Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section.....	119.89	
33 42 26 16-0042	EA	Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section.....	146.27	
33 42 26 16-0043	EA	Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section.....	149.98	
33 42 26 16-0044	EA	Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section.....	160.41	
33 42 26 16-0045	EA	Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section.....	183.44	
33 42 26 16-0046	EA	Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section.....	205.11	
33 42 26 16-0047	EA	84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension.....	210.36	

**33 42 26 16-0048 Galvanized Corrugated Steel Pipe-Arch End Sections** (33 42 26 16-0001)**33 42 26 16-0049 Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections** (33 42 26 16-0048)

Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.

33 42 26 16-0050	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	260.92	63.68
33 42 26 16-0051	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	303.44	67.92
33 42 26 16-0052	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	366.03	74.28
33 42 26 16-0053	EA	28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	405.17	80.65

**33 42 26 16-0054 Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections** (33 42 26 16-0048)

Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.

33 42 26 16-0055	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	252.68	63.68
33 42 26 16-0056	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	288.21	67.92
33 42 26 16-0057	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	322.42	74.28
33 42 26 16-0058	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	363.53	80.65
33 42 26 16-0059	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	527.50	91.27
33 42 26 16-0060	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	766.55	109.16
33 42 26 16-0061	EA	49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	1,184.96	127.35
33 42 26 16-0062	EA	57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	1,497.74	145.54

**33 42 26 16-0063 Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections** (33 42 26 16-0048)

Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.

33 42 26 16-0064	EA	17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	256.86	63.68
33 42 26 16-0065	EA	21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	297.29	67.92
33 42 26 16-0066	EA	24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	336.63	74.28
33 42 26 16-0067	EA	28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	380.37	80.65
33 42 26 16-0068	EA	35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	556.12	91.27
33 42 26 16-0069	EA	42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	805.59	109.16
33 42 26 16-0070	EA	49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	1,247.41	127.35
33 42 26 16-0071	EA	57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	1,569.61	145.54
33 42 26 16-0072	EA	64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	1,889.88	181.93
33 42 26 16-0073	EA	71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	2,480.33	218.31
33 42 26 16-0074	EA	77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	3,466.27	327.47
33 42 26 16-0075	EA	83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	3,852.31	436.63

**33 42 26 16-0076 Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section** (33 42 26 16-0048)

33 42 26 16-0077	EA	Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section.....	32.09	
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MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 26 16-0078	EA	Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section .....	36.06	
33 42 26 16-0079	EA	Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section .....	39.21	
33 42 26 16-0080	EA	Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section .....	43.85	
33 42 26 16-0081	EA	Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section .....	76.20	
33 42 26 16-0082	EA	Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section .....	82.00	
33 42 26 16-0083	EA	Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section .....	111.91	
33 42 26 16-0084	EA	Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section .....	124.61	
33 42 26 16-0085	EA	Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section .....	146.27	
33 42 26 16-0086	EA	Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section .....	151.86	
33 42 26 16-0087	EA	Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section .....	175.73	
33 42 26 16-0088	EA	Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section .....	200.31	

**33 42 26 16-0089 Corrugated Aluminum Pipe End Sections** (33 42 26 16-0001)

**33 42 26 16-0090 Corrugated Aluminum Pipe End Sections** (33 42 26 16-0089)

33 42 26 16-0091	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	336.54	59.43
33 42 26 16-0092	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	387.18	63.68
33 42 26 16-0093	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	457.96	67.92
33 42 26 16-0094	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	566.35	74.28
33 42 26 16-0095	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section .....	737.39	80.65
33 42 26 16-0096	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section .....	1,101.62	91.27
33 42 26 16-0097	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section .....	1,496.89	109.16
33 42 26 16-0098	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	1,859.69	109.16
33 42 26 16-0099	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	2,370.31	127.35
33 42 26 16-0100	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	3,378.15	145.54
33 42 26 16-0101	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	3,744.76	181.93
33 42 26 16-0102	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	5,043.64	218.31
33 42 26 16-0103	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	5,723.72	327.47
33 42 26 16-0104	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	6,701.98	436.63
33 42 26 16-0105	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	7,318.55	468.46
33 42 26 16-0106	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	7,723.23	500.31
33 42 26 16-0107	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	10,547.05	545.79
33 42 26 16-0108	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	11,674.23	591.27

**33 42 26 16-0109 Toe Plate Extensions For Corrugated Aluminum Pipe End Section** (33 42 26 16-0089)

33 42 26 16-0110	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section .....	52.67	
33 42 26 16-0111	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section .....	55.82	
33 42 26 16-0112	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section .....	60.52	
33 42 26 16-0113	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section .....	68.09	
33 42 26 16-0114	EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section .....	72.26	
33 42 26 16-0115	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section .....	93.65	
33 42 26 16-0116	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section .....	112.41	
33 42 26 16-0117	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section .....	118.47	
33 42 26 16-0118	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section .....	129.93	
33 42 26 16-0119	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section .....	146.85	
33 42 26 16-0120	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section .....	173.53	
33 42 26 16-0121	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	241.54	
33 42 26 16-0122	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	260.77	
33 42 26 16-0123	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	331.66	
33 42 26 16-0124	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	359.05	
33 42 26 16-0125	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	382.63	
33 42 26 16-0126	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	407.39	
33 42 26 16-0127	EA	Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	432.49	

**33 42 26 16-0128 Corrugated Aluminum Pipe-Arch End Sections** (33 42 26 16-0001)

**33 42 26 16-0129 Corrugated Aluminum Pipe-Arch End Sections** (33 42 26 16-0128)

33 42 26 16-0130	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	398.91	63.68
33 42 26 16-0131	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	486.54	67.92
33 42 26 16-0132	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	528.43	74.28
33 42 26 16-0133	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	570.28	80.65
33 42 26 16-0134	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	850.96	91.27
33 42 26 16-0135	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	1,513.57	109.16
33 42 26 16-0136	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	1,605.55	109.16
33 42 26 16-0137	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	2,143.44	127.35
33 42 26 16-0138	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	3,289.80	145.54
33 42 26 16-0139	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	3,768.75	181.93
33 42 26 16-0140	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	4,556.51	218.31
33 42 26 16-0141	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	7,627.82	327.47
33 42 26 16-0142	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	8,018.84	436.63
33 42 26 16-0143	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	8,730.16	468.46
33 42 26 16-0144	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	9,113.65	500.31
33 42 26 16-0145	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	9,934.00	545.79
33 42 26 16-0146	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	10,525.68	591.27

**33 42 26 16-0147 Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section** (33 42 26 16-0128)

33 42 26 16-0148	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	55.82	
33 42 26 16-0149	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	60.52	
33 42 26 16-0150	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	63.85	
33 42 26 16-0151	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	69.93	
33 42 26 16-0152	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	80.32	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	104.75	
33 42 26 16-0154	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	114.41	
33 42 26 16-0155	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	129.93	
33 42 26 16-0156	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	146.85	
33 42 26 16-0157	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	173.53	
33 42 26 16-0158	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	220.06	
33 42 26 16-0159	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	278.76	
33 42 26 16-0160	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	376.63	
33 42 26 16-0161	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	427.51	
33 42 26 16-0162	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	447.93	
33 42 26 16-0163	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	464.69	
33 42 26 16-0164	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	485.12	
<b>33 42 26 16-0165</b>		<b>Low Slope Corrugated Steel Pipe End Sections And Accessories (33 42 26 16-0001)</b>		
<b>33 42 26 16-0166</b>		<b>4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)</b>		
33 42 26 16-0167	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	511.53	63.68
33 42 26 16-0168	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	657.27	67.92
33 42 26 16-0169	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	803.88	74.28
33 42 26 16-0170	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	960.82	80.65
33 42 26 16-0171	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	1,017.16	91.27
33 42 26 16-0172	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	1,330.16	109.16
33 42 26 16-0173	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	2,098.12	127.35
<b>33 42 26 16-0174</b>		<b>3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)</b>		
		Note: Includes nut and bolt set.		
33 42 26 16-0175	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section .....	363.18	
33 42 26 16-0176	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section .....	725.23	
33 42 26 16-0177	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section .....	795.84	
33 42 26 16-0178	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section .....	827.56	
<b>33 42 26 16-0179</b>		<b>6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)</b>		
33 42 26 16-0180	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	535.35	63.68
33 42 26 16-0181	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	700.12	67.92
33 42 26 16-0182	EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	929.97	74.28
33 42 26 16-0183	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	1,091.88	80.65
33 42 26 16-0184	EA	30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	1,295.37	91.27
33 42 26 16-0185	EA	36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	1,575.71	109.16
33 42 26 16-0186	EA	42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	2,405.35	127.35
<b>33 42 26 16-0187</b>		<b>3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)</b>		
		Note: Includes nut and bolt set.		
33 42 26 16-0188	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section .....	705.01	
33 42 26 16-0189	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section .....	748.58	
33 42 26 16-0190	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section .....	823.44	
33 42 26 16-0191	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section .....	865.77	
<b>33 42 26 16-0192</b>		<b>Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section (33 42 26 16-0165)</b>		
33 42 26 16-0193	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section .....	62.13	
33 42 26 16-0194	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section .....	69.68	
33 42 26 16-0195	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section .....	75.83	
33 42 26 16-0196	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section .....	84.65	
33 42 26 16-0197	EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section .....	126.79	
33 42 26 16-0198	EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section .....	136.08	
33 42 26 16-0199	EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section .....	182.51	
<b>33 42 26 16-0200</b>		<b>Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories (33 42 26 16-0001)</b>		
<b>33 42 26 16-0201</b>		<b>4:1 Corrugated Steel Pipe-Arch End Section (33 42 26 16-0200)</b>		
33 42 26 16-0202	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section .....	607.09	67.92
33 42 26 16-0203	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section .....	760.64	74.28
33 42 26 16-0204	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section .....	899.60	80.65
33 42 26 16-0205	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section .....	1,689.30	91.27
<b>33 42 26 16-0206</b>		<b>3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0200)</b>		
		Note: Includes nut and bolt set.		
33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section .....	432.32	
33 42 26 16-0208	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section .....	785.34	
33 42 26 16-0209	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section .....	827.56	
33 42 26 16-0210	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section .....	1,216.78	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**33 42 26 16-0211 Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section** (33 42 26 16-0200)

33 42 26 16-0212	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section.....	62.84	
33 42 26 16-0213	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section.....	71.25	
33 42 26 16-0214	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section.....	77.67	
33 42 26 16-0215	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section.....	92.71	

**33 42 26 19 Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping** (33 42 26)

**33 42 26 19-0001 Corrugated High Density Polyethylene (HDPE) Pipe End Sections** (33 42 26 19)

33 42 26 19-0002	EA	4" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	50.45	17.22
33 42 26 19-0003	EA	6" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	93.25	25.84
33 42 26 19-0004	EA	8" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	126.29	32.30
33 42 26 19-0005	EA	10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	199.00	51.68
33 42 26 19-0006	EA	12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	235.95	58.14
33 42 26 19-0007	EA	15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	250.54	62.45
33 42 26 19-0008	EA	18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	297.85	68.91
33 42 26 19-0009	EA	24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	384.03	81.82
33 42 26 19-0010	EA	30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	783.28	92.59
33 42 26 19-0011	EA	36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	954.33	103.36

**33 42 26 23 Concrete End Sections for Stormwater Piping** (33 42 26)

**33 42 26 23-0001 Precast Concrete End Sections** (33 42 26 23)

**33 42 26 23-0002 Precast Concrete End Sections** (33 42 26 23-0001)

33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section .....	454.57	99.59
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section .....	605.34	123.28
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section .....	751.14	156.05
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section .....	865.51	186.62
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section .....	928.20	215.99
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section .....	1,179.95	271.07
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section .....	1,482.11	407.15
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section .....	1,835.21	513.77
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section .....	2,231.26	644.48
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section .....	2,455.23	726.80
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section .....	2,688.15	814.14
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section .....	2,927.38	905.10
33 42 26 23-0015	EA	66" Diameter Pipe Precast Concrete End Section .....	2,829.51	723.78
33 42 26 23-0016	EA	72" Diameter Pipe Precast Concrete End Section .....	3,276.42	904.71
33 42 26 23-0017	EA	78" Diameter Pipe Precast Concrete End Section .....	3,921.53	1,130.88
33 42 26 23-0018	EA	84" Diameter Pipe Precast Concrete End Section .....	4,649.13	1,357.06

**33 42 26 23-0019 Flared Precast Concrete End Sections** (33 42 26 23-0001)

33 42 26 23-0020	EA	12" Diameter Pipe, Flared Precast Concrete End Section .....	563.35	105.98
33 42 26 23-0021	EA	15" Diameter Pipe, Flared Precast Concrete End Section .....	680.15	132.08
33 42 26 23-0022	EA	18" Diameter Pipe, Flared Precast Concrete End Section .....	829.02	167.20
33 42 26 23-0023	EA	21" Diameter Pipe, Flared Precast Concrete End Section .....	951.52	199.94
33 42 26 23-0024	EA	24" Diameter Pipe, Flared Precast Concrete End Section .....	1,155.08	231.42
33 42 26 23-0025	EA	27" Diameter Pipe, Flared Precast Concrete End Section .....	1,436.18	369.59
33 42 26 23-0026	EA	30" Diameter Pipe, Flared Precast Concrete End Section .....	1,553.60	508.86
33 42 26 23-0027	EA	36" Diameter Pipe, Flared Precast Concrete End Section .....	2,077.40	642.21
33 42 26 23-0028	EA	42" Diameter Pipe, Flared Precast Concrete End Section .....	2,509.59	805.77
33 42 26 23-0029	EA	48" Diameter Pipe, Flared Precast Concrete End Section .....	2,733.13	908.73
33 42 26 23-0030	EA	54" Diameter Pipe, Flared Precast Concrete End Section .....	3,057.68	1,017.80
33 42 26 23-0031	EA	60" Diameter Pipe, Flared Precast Concrete End Section .....	3,389.33	1,130.51
33 42 26 23-0032	EA	66" Diameter Pipe, Flared Precast Concrete End Section .....	3,945.34	1,302.52
33 42 26 23-0033	EA	72" Diameter Pipe, Flared Precast Concrete End Section .....	4,570.56	1,453.80
33 42 26 23-0034	EA	78" Diameter Pipe, Flared Precast Concrete End Section .....	5,176.60	1,635.45
33 42 26 23-0035	EA	84" Diameter Pipe, Flared Precast Concrete End Section .....	5,938.24	1,816.92

**33 42 26 23-0036 Elliptical Precast Concrete End Sections** (33 42 26 23-0001)

33 42 26 23-0037	EA	14" x 23" Elliptical Precast Concrete End Section .....	973.51	167.20
33 42 26 23-0038	EA	18" x 24" Elliptical Precast Concrete End Section .....	1,114.36	199.94
33 42 26 23-0039	EA	19" x 30" Elliptical Precast Concrete End Section .....	1,356.98	231.42
33 42 26 23-0040	EA	22" x 34" Elliptical Precast Concrete End Section .....	1,656.50	369.59
33 42 26 23-0041	EA	24" x 38" Elliptical Precast Concrete End Section .....	1,750.97	508.86
33 42 26 23-0042	EA	27" x 42" Elliptical Precast Concrete End Section .....	2,053.34	575.81
33 42 26 23-0043	EA	29" x 45" Elliptical Precast Concrete End Section .....	2,355.71	642.21
33 42 26 23-0044	EA	34" x 53" Elliptical Precast Concrete End Section .....	2,834.58	805.77
33 42 26 23-0045	EA	38" x 60" Elliptical Precast Concrete End Section .....	3,075.32	908.73
33 42 26 23-0046	EA	43" x 68" Elliptical Precast Concrete End Section .....	3,440.08	1,017.80
33 42 26 23-0047	EA	48" x 76" Elliptical Precast Concrete End Section .....	3,812.16	1,130.51

**33 42 31 Stormwater Area Drains and Inlets** (33 42)

**33 42 31 00-0001 Storm Drains** (33 42 31)

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 42 31 00-0002		<b>Catch Basins And Inlet Basins</b> (33 42 31 00-0001) Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.			
33 42 31 00-0003		<b>Cast In Place, Grate Drop Inlet Basins</b> (33 42 31 00-0002) Note: Inside dimensions.			
33 42 31 00-0004		<b>3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins</b> (33 42 31 00-0003)			
33 42 31 00-0005	EA	2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,508.52		291.99
33 42 31 00-0006	EA	3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,797.36		342.12
33 42 31 00-0007	EA	4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,086.20		392.17
33 42 31 00-0008	EA	5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,375.05		442.30
33 42 31 00-0009	EA	6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,663.90		492.34
33 42 31 00-0010		<b>3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins</b> (33 42 31 00-0003)			
33 42 31 00-0011	EA	2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,891.57		290.24
33 42 31 00-0012	EA	3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,352.22		386.97
33 42 31 00-0013	EA	4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	3,021.52		527.70
33 42 31 00-0014	EA	5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	3,666.31		615.65
33 42 31 00-0015	EA	6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	4,196.93		703.59
33 42 31 00-0016		<b>4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins</b> (33 42 31 00-0003)			
33 42 31 00-0017	EA	2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,030.40		316.62
33 42 31 00-0018	EA	3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,810.57		439.75
33 42 31 00-0019	EA	4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	3,455.08		571.67
33 42 31 00-0020	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	3,990.52		659.62
33 42 31 00-0021	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	5,066.22		844.31
33 42 31 00-0022		<b>Cast In Place, Catch Basin</b> (33 42 31 00-0002) Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing.			
33 42 31 00-0023		<b>3' x 3', Cast In Place, Catch Basins</b> (33 42 31 00-0002)			
33 42 31 00-0024	EA	3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin.....	2,019.18		353.03
33 42 31 00-0025	EA	3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin.....	2,144.58		375.37
33 42 31 00-0026	EA	4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin.....	2,343.00		403.16
33 42 31 00-0027	EA	4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	2,625.34		446.25
33 42 31 00-0028	EA	5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	2,831.27		475.01
33 42 31 00-0029	EA	5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	2,966.79		498.14
33 42 31 00-0030	EA	6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,172.88		526.91
33 42 31 00-0031	EA	6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,305.81		550.12
33 42 31 00-0032	EA	7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,513.13		578.79
33 42 31 00-0033	EA	7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,647.43		602.01
33 42 31 00-0034	EA	8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,853.44		630.77
33 42 31 00-0035	VLF	>8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	481.70		78.80
33 42 31 00-0036		<b>3'-6" x 3'-6", Cast In Place, Catch Basins</b> (33 42 31 00-0002)			
33 42 31 00-0037	EA	3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	2,330.69		408.08
33 42 31 00-0038	EA	3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	2,488.65		436.76
33 42 31 00-0039	EA	4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	2,696.40		465.51
33 42 31 00-0040	EA	4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,025.77		515.56
33 42 31 00-0041	EA	5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,252.81		548.10
33 42 31 00-0042	EA	5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,409.29		575.10
33 42 31 00-0043	EA	6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,638.77		607.64
33 42 31 00-0044	EA	6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,795.24		634.64
33 42 31 00-0045	EA	7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,023.41		667.18
33 42 31 00-0046	EA	7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,179.97		694.18
33 42 31 00-0047	EA	8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,408.24		726.72
33 42 31 00-0048	VLF	>8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	551.05		90.85
33 42 31 00-0049		<b>4' x 4', Cast In Place, Catch Basins</b> (33 42 31 00-0002)			
33 42 31 00-0050	EA	3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin.....	2,664.02		466.84
33 42 31 00-0051	EA	3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin.....	2,831.30		496.47
33 42 31 00-0052	EA	4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin.....	3,070.38		531.57
33 42 31 00-0053	EA	4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,447.36		588.64
33 42 31 00-0054	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,697.86		624.97
33 42 31 00-0055	EA	5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,876.50		655.84
33 42 31 00-0056	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,127.01		692.16
33 42 31 00-0057	EA	6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,305.56		723.03
33 42 31 00-0058	EA	7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,556.08		759.35
33 42 31 00-0059	EA	7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,734.71		790.22
33 42 31 00-0060	EA	8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,985.22		826.63
33 42 31 00-0061	VLF	>8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	623.12		103.34
33 42 31 00-0062		<b>4'-6" x 4'-6", Cast In Place, Catch Basins</b> (33 42 31 00-0002)			
33 42 31 00-0063	EA	3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	3,078.76		541.32
33 42 31 00-0064	EA	3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	3,273.20		571.93
33 42 31 00-0065	EA	4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	3,538.22		611.51
33 42 31 00-0066	EA	4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,967.56		676.42
33 42 31 00-0067	EA	5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,245.85		717.40
33 42 31 00-0068	EA	5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,452.35		752.85

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 31 00-0069	EA 6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,730.72	793.83
33 42 31 00-0070	EA 6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,937.22	829.36
33 42 31 00-0071	EA 7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,215.50	870.34
33 42 31 00-0072	EA 7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,420.78	905.78
33 42 31 00-0073	EA 8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,700.37	946.77
33 42 31 00-0074	VLF >8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	712.59	118.38

**33 42 31 00-0075 5' x 5', Cast In Place, Catch Basins (33 42 31 00-0022)**

33 42 31 00-0076	EA 4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin.....	3,967.13	686.62
33 42 31 00-0077	EA 4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,445.01	758.73
33 42 31 00-0078	EA 5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,747.11	803.68
33 42 31 00-0079	EA 5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,976.21	843.08
33 42 31 00-0080	EA 6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,275.80	887.93
33 42 31 00-0081	EA 6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,506.12	927.33
33 42 31 00-0082	EA 7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,807.01	972.27
33 42 31 00-0083	EA 7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,034.80	1,011.68
33 42 31 00-0084	EA 8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,336.91	1,056.53
33 42 31 00-0085	VLF >8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	1,097.18	132.10

**33 42 31 00-0086 5'-6" x 5'-6", Cast In Place, Catch Basins (33 42 31 00-0022)**

33 42 31 00-0087	EA 4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	4,417.00	765.68
33 42 31 00-0088	EA 4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,096.36	866.74
33 42 31 00-0089	EA 5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,430.54	916.69
33 42 31 00-0090	EA 5'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,691.71	961.45
33 42 31 00-0091	EA 6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,027.20	1,011.77
33 42 31 00-0092	EA 6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,289.59	1,056.53
33 42 31 00-0093	EA 7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,623.77	1,106.84
33 42 31 00-0094	EA 7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,884.93	1,151.60
33 42 31 00-0095	EA 8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,219.11	1,201.91
33 42 31 00-0096	VLF >8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	902.39	150.22

**33 42 31 00-0097 6' x 6', Cast In Place, Catch Basins (33 42 31 00-0022)**

33 42 31 00-0098	EA 4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin.....	4,890.38	848.45
33 42 31 00-0099	EA 4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,638.49	959.35
33 42 31 00-0100	EA 5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,997.02	1,013.70
33 42 31 00-0101	EA 5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,282.45	1,062.51
33 42 31 00-0102	EA 6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,639.76	1,116.86
33 42 31 00-0103	EA 6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,926.49	1,165.67
33 42 31 00-0104	EA 7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,283.72	1,220.03
33 42 31 00-0105	EA 7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,569.25	1,268.84
33 42 31 00-0106	EA 8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,927.78	1,323.19
33 42 31 00-0107	VLF >8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	991.02	165.44

**33 42 31 00-0108 6'-6" x 6'-6", Cast In Place, Catch Basins (33 42 31 00-0022)**

33 42 31 00-0109	EA 4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	5,384.66	935.16
33 42 31 00-0110	EA 4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,396.17	1,083.45
33 42 31 00-0111	EA 5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,789.66	1,143.60
33 42 31 00-0112	EA 5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,111.27	1,198.22
33 42 31 00-0113	EA 6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,504.76	1,258.28
33 42 31 00-0114	EA 6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,826.38	1,312.98
33 42 31 00-0115	EA 7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	8,219.87	1,373.05
33 42 31 00-0116	EA 7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	8,541.49	1,427.67
33 42 31 00-0117	EA 8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	8,936.28	1,487.83
33 42 31 00-0118	VLF >8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	1,116.99	186.01

**33 42 31 00-0119 7' x 7', Cast In Place, Catch Basins (33 42 31 00-0022)**

33 42 31 00-0120	EA 4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin.....	5,901.29	1,025.66
33 42 31 00-0121	EA 4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,007.50	1,187.49
33 42 31 00-0122	EA 5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,425.86	1,251.86
33 42 31 00-0123	EA 5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,771.15	1,310.61
33 42 31 00-0124	EA 6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	8,190.64	1,374.91
33 42 31 00-0125	EA 6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	8,535.92	1,433.74
33 42 31 00-0126	EA 7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	8,954.28	1,498.04
33 42 31 00-0127	EA 7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	9,300.78	1,556.87
33 42 31 00-0128	EA 8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	9,719.07	1,621.16
33 42 31 00-0129	VLF >8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	1,214.93	202.64

**33 42 31 00-0130 7'-6" x 7'-6", Cast In Place, Catch Basins (33 42 31 00-0022)**

33 42 31 00-0131	EA 4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	6,659.90	1,151.17
33 42 31 00-0132	EA 4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,643.79	1,295.75
33 42 31 00-0133	EA 5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	8,085.73	1,364.26
33 42 31 00-0134	EA 5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	8,487.11	1,427.24
33 42 31 00-0135	EA 6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	8,900.18	1,495.75
33 42 31 00-0136	EA 6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	9,271.55	1,558.72
33 42 31 00-0137	EA 7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	9,713.50	1,627.23
33 42 31 00-0138	EA 7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	10,084.86	1,690.20
33 42 31 00-0139	EA 8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	10,528.04	1,758.72
33 42 31 00-0140	VLF >8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	1,315.98	219.87

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COSTMINOR  
CSI UOM DESCRIPTION

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0141			<b>8' x 8', Cast In Place, Catch Basins</b> (33 42 31 00-0022)		
33 42 31 00-0142	EA		4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin.....	7,241.99	1,252.48
33 42 31 00-0143	EA		4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	8,303.55	1,408.24
33 42 31 00-0144	EA		5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	8,770.37	1,480.88
33 42 31 00-0145	EA		5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	9,166.62	1,548.07
33 42 31 00-0146	EA		6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	9,633.36	1,620.73
33 42 31 00-0147	EA		6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	10,027.16	1,687.92
33 42 31 00-0148	EA		7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	10,496.34	1,760.56
33 42 31 00-0149	EA		7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	10,892.60	1,827.75
33 42 31 00-0150	EA		8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	11,351.52	1,900.40
33 42 31 00-0151	VLF		>8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	1,419.92	237.55
33 42 31 00-0152			<b>Precast Concrete Catch Basins</b> (33 42 31 00-0002)		
			Note: Inside dimensions.		
33 42 31 00-0153			<b>1'-6" Diameter Precast Catch Basins</b> (33 42 31 00-0152)		
33 42 31 00-0154	EA		4' Deep, 1'-6" Diameter Precast Catch Basins.....	569.94	185.59
33 42 31 00-0155	EA		6' Deep, 1'-6" Diameter Precast Catch Basins.....	797.36	278.38
33 42 31 00-0156	EA		8' Deep, 1'-6" Diameter Precast Catch Basins.....	1,014.27	361.90
33 42 31 00-0157	EA		10' Deep, 1'-6" Diameter Precast Catch Basins.....	1,212.65	427.78
33 42 31 00-0158	EA		12' Deep, 1'-6" Diameter Precast Catch Basins.....	1,497.27	542.85
33 42 31 00-0159	EA		14' Deep, 1'-6" Diameter Precast Catch Basins.....	1,714.19	626.36
33 42 31 00-0160	VLF		Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins.....	119.76	41.76
33 42 31 00-0161			<b>2' Diameter Precast Catch Basins</b> (33 42 31 00-0152)		
33 42 31 00-0162	EA		4' Deep, 2' Diameter Precast Catch Basin.....	648.27	206.46
33 42 31 00-0163	EA		6' Deep, 2' Diameter Precast Catch Basin.....	902.05	306.22
33 42 31 00-0164	EA		8' Deep, 2' Diameter Precast Catch Basin.....	1,142.84	403.65
33 42 31 00-0165	EA		10' Deep, 2' Diameter Precast Catch Basin.....	1,361.72	470.93
33 42 31 00-0166	EA		12' Deep, 2' Diameter Precast Catch Basin.....	1,692.07	603.16
33 42 31 00-0167	EA		14' Deep, 2' Diameter Precast Catch Basin.....	1,934.75	695.95
33 42 31 00-0168	VLF		Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin.....	135.22	50.10
33 42 31 00-0169			<b>3' Diameter Precast Catch Basins</b> (33 42 31 00-0152)		
33 42 31 00-0170	EA		4' Deep, 3' Diameter Precast Catch Basin.....	848.10	243.58
33 42 31 00-0171	EA		6' Deep, 3' Diameter Precast Catch Basin.....	1,164.51	360.04
33 42 31 00-0172	EA		8' Deep, 3' Diameter Precast Catch Basin.....	1,469.01	475.56
33 42 31 00-0173	EA		10' Deep, 3' Diameter Precast Catch Basin.....	1,829.44	593.88
33 42 31 00-0174	EA		12' Deep, 3' Diameter Precast Catch Basin.....	2,163.17	708.02
33 42 31 00-0175	EA		14' Deep, 3' Diameter Precast Catch Basin.....	2,486.42	824.00
33 42 31 00-0176	VLF		Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin.....	171.60	58.85
33 42 31 00-0177			<b>4' Diameter Precast Catch Basins</b> (33 42 31 00-0152)		
33 42 31 00-0178	EA		4' Deep, 4' Diameter Precast Catch Basin.....	1,019.98	270.96
33 42 31 00-0179	EA		6' Deep, 4' Diameter Precast Catch Basin.....	1,331.33	371.17
33 42 31 00-0180	EA		8' Deep, 4' Diameter Precast Catch Basin.....	1,797.84	556.77
33 42 31 00-0181	EA		10' Deep, 4' Diameter Precast Catch Basin.....	2,243.59	695.95
33 42 31 00-0182	EA		12' Deep, 4' Diameter Precast Catch Basin.....	2,655.08	835.14
33 42 31 00-0183	EA		14' Deep, 4' Diameter Precast Catch Basin.....	3,055.17	974.33
33 42 31 00-0184	VLF		Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin.....	210.37	69.60
33 42 31 00-0185			<b>5' Diameter Precast Catch Basins</b> (33 42 31 00-0152)		
33 42 31 00-0186	EA		4' Deep, 5' Diameter Precast Catch Basin.....	1,374.74	371.17
33 42 31 00-0187	EA		6' Deep, 5' Diameter Precast Catch Basin.....	1,894.32	556.77
33 42 31 00-0188	EA		8' Deep, 5' Diameter Precast Catch Basin.....	2,416.63	742.35
33 42 31 00-0189	EA		10' Deep, 5' Diameter Precast Catch Basin.....	2,959.68	927.94
33 42 31 00-0190	EA		12' Deep, 5' Diameter Precast Catch Basin.....	3,495.84	1,113.52
33 42 31 00-0191	EA		14' Deep, 5' Diameter Precast Catch Basin.....	4,071.11	1,299.11
33 42 31 00-0192	VLF		Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin.....	279.94	92.80
33 42 31 00-0193			<b>6' Diameter Precast Catch Basins</b> (33 42 31 00-0152)		
33 42 31 00-0194	EA		4' Deep, 6' Diameter Precast Catch Basin.....	2,014.91	556.77
33 42 31 00-0195	EA		6' Deep, 6' Diameter Precast Catch Basin.....	2,751.56	835.14
33 42 31 00-0196	EA		8' Deep, 6' Diameter Precast Catch Basin.....	3,536.37	1,113.52
33 42 31 00-0197	EA		10' Deep, 6' Diameter Precast Catch Basin.....	4,408.41	1,391.90
33 42 31 00-0198	EA		12' Deep, 6' Diameter Precast Catch Basin.....	5,256.33	1,670.29
33 42 31 00-0199	EA		14' Deep, 6' Diameter Precast Catch Basin.....	6,087.37	1,948.67
33 42 31 00-0200	VLF		Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin.....	417.50	139.19
33 42 31 00-0201			<b>Precast Catch Basins Accessories</b> (33 42 31 00-0152)		
33 42 31 00-0202	EA		Single Or Double Wing Slab Top With Throat.....	1,283.85	603.16
33 42 31 00-0203	EA		4' x 4' Weir Box, Precast Catch Basin.....	538.43	74.23
33 42 31 00-0204	EA		4' Diameter Inlet Round To Square Adapter, Precast Catch Basin.....	312.45	78.88
33 42 31 00-0205	EA		3' Diameter, Up To 6" High, Precast Extension Ring.....	393.69	115.99
			For Each Additional Inch In Height, Add	46.27	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 31 00-0206	EA		4' Diameter, Up To 6" High, Precast Extension Ring ..... <i>For Each Additional Inch In Height, Add</i>	465.00 54.28	139.19
	33 42 31 00-0207	EA		5' Diameter, Up To 6" High, Precast Extension Ring ..... <i>For Each Additional Inch In Height, Add</i>	542.29 63.35	162.39
	33 42 31 00-0208	EA		6' Diameter, Up To 6" High, Precast Extension Ring ..... <i>For Each Additional Inch In Height, Add</i>	686.21 75.74	231.98
	33 42 31 00-0209	EA		Adjust Existing Catch Basin Inlet Grate To Match Grade.....	556.72	
<b>33 42 31 00-0210</b>				<b>Catch Basin Risers</b> <small>(33 42 31 00-0152)</small>		
	33 42 31 00-0211	EA		Up To 860 Square Inch, Up To 2" Rise, Catch Basin Riser .....	309.51	
	33 42 31 00-0212	EA		>860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	343.40	
	33 42 31 00-0213	EA		>1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	383.62	
	33 42 31 00-0214	EA		Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	332.92	
	33 42 31 00-0215	EA		>860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	369.08	
	33 42 31 00-0216	EA		>1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	413.63	
	33 42 31 00-0217	EA		Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	367.27	
	33 42 31 00-0218	EA		>860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	399.48	
	33 42 31 00-0219	EA		>1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	444.22	
<b>33 42 31 00-0220</b>				<b>Cast In Place, Storm Drain Cleanout</b> <small>(33 42 31 00-0002)</small>		
				Note: Inside span.		
	33 42 31 00-0221	EA		6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout.....	4,230.34	696.37
	33 42 31 00-0222	EA		6' Deep, 4' x 5' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout.....	4,823.14	794.71
	33 42 31 00-0223	EA		6' Deep, 4' x 6' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout.....	5,480.20	901.91
	33 42 31 00-0224	EA		7' Deep, 4' x 7' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout.....	6,586.58	1,081.95
	33 42 31 00-0225	EA		8' Deep, 4' x 8' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout.....	7,986.79	1,306.22
<b>33 42 31 00-0226</b>				<b>Precast Concrete Inlet Boxes</b> <small>(33 42 31 00-0002)</small>		
				Note: Inside dimensions.		
<b>33 42 31 00-0227</b>				<b>Precast Concrete Inlet Boxes</b> <small>(33 42 31 00-0226)</small>		
<b>33 42 31 00-0228</b>				<b>24" x 24" ID, Precast Concrete Inlet Boxes</b> <small>(33 42 31 00-0227)</small>		
				Note: Yard inlet.		
<b>33 42 31 00-0229</b>				<b>24" x 24" ID, Precast Concrete Inlet Boxes</b> <small>(33 42 31 00-0228)</small>		
	33 42 31 00-0230	EA		24" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	650.21	64.96
	33 42 31 00-0231	EA		30" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	764.77	78.88
	33 42 31 00-0232	EA		36" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	879.33	92.80
	33 42 31 00-0233	EA		42" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	995.04	107.29
<b>33 42 31 00-0234</b>				<b>24" x 24" ID, Precast Concrete Inlet Box Risers</b> <small>(33 42 31 00-0228)</small>		
	33 42 31 00-0235	EA		6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	165.60	
	33 42 31 00-0236	EA		12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	266.23	
	33 42 31 00-0237	EA		18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	376.14	
	33 42 31 00-0238	EA		24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	486.06	
	33 42 31 00-0239	EA		30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	595.98	
	33 42 31 00-0240	EA		36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	705.89	
<b>33 42 31 00-0241</b>				<b>22" x 48" ID, Precast Concrete Inlet Boxes</b> <small>(33 42 31 00-0227)</small>		
<b>33 42 31 00-0242</b>				<b>22" x 48" ID, Precast Concrete Inlet Boxes</b> <small>(33 42 31 00-0241)</small>		
	33 42 31 00-0243	EA		36" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,338.93	181.93
	33 42 31 00-0244	EA		42" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,506.92	210.36
	33 42 31 00-0245	EA		48" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,674.89	238.78
	33 42 31 00-0246	EA		54" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,843.00	267.27
	33 42 31 00-0247	EA		60" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,011.12	295.77
	33 42 31 00-0248	EA		66" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,179.25	324.27
	33 42 31 00-0249	EA		72" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,347.36	352.77
<b>33 42 31 00-0250</b>				<b>22" x 48" ID, Precast Concrete Inlet Box Risers</b> <small>(33 42 31 00-0241)</small>		
	33 42 31 00-0251	EA		6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	324.43	
	33 42 31 00-0252	EA		12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	518.94	
	33 42 31 00-0253	EA		18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	565.37	
	33 42 31 00-0254	EA		24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	722.89	
	33 42 31 00-0255	EA		30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	880.42	
	33 42 31 00-0256	EA		36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,030.63	
	33 42 31 00-0257	EA		42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,198.62	
	33 42 31 00-0258	EA		48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,366.59	
	33 42 31 00-0259	EA		54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,534.71	
	33 42 31 00-0260	EA		60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,702.82	
	33 42 31 00-0261	EA		66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,870.95	
	33 42 31 00-0262	EA		72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	2,039.06	
<b>33 42 31 00-0263</b>				<b>30" x 48" ID, Precast Concrete Inlet Boxes</b> <small>(33 42 31 00-0227)</small>		
<b>33 42 31 00-0264</b>				<b>30" x 48" ID, Precast Concrete Inlet Boxes</b> <small>(33 42 31 00-0263)</small>		
	33 42 31 00-0265	EA		36" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,294.12	200.12
	33 42 31 00-0266	EA		42" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,462.74	231.39

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 42 31 00-0267	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box .....	1,631.34		262.66
33 42 31 00-0268	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box .....	1,800.10		294.01
33 42 31 00-0269	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box .....	1,968.86		325.35
33 42 31 00-0270	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box .....	2,137.63		356.69
33 42 31 00-0271	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box .....	2,306.39		388.04
<b>33 42 31 00-0272</b>		<b>30" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0263)</b>			
33 42 31 00-0273	EA	6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	321.93		
33 42 31 00-0274	EA	12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	509.23		
33 42 31 00-0275	EA	18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	556.55		
33 42 31 00-0276	EA	24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	710.82		
33 42 31 00-0277	EA	30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	865.11		
33 42 31 00-0278	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	1,018.48		
33 42 31 00-0279	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	1,184.59		
33 42 31 00-0280	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	1,349.80		
33 42 31 00-0281	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	1,515.90		
33 42 31 00-0282	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	1,681.10		
33 42 31 00-0283	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	1,847.21		
33 42 31 00-0284	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	2,013.32		
<b>33 42 31 00-0285</b>		<b>42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>			
<b>33 42 31 00-0286</b>		<b>42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0285)</b>			
33 42 31 00-0287	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box .....	1,536.84		218.31
33 42 31 00-0288	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box .....	1,734.77		253.79
33 42 31 00-0289	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box .....	1,932.71		290.18
33 42 31 00-0290	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box .....	2,129.73		325.65
33 42 31 00-0291	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box .....	2,327.68		362.04
33 42 31 00-0292	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box .....	2,525.61		397.51
33 42 31 00-0293	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box .....	2,722.64		432.99
<b>33 42 31 00-0294</b>		<b>42" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0285)</b>			
33 42 31 00-0295	EA	6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	354.67		
33 42 31 00-0296	EA	12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	572.88		
33 42 31 00-0297	EA	18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	621.55		
33 42 31 00-0298	EA	24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	796.30		
33 42 31 00-0299	EA	30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	971.03		
33 42 31 00-0300	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	1,145.78		
33 42 31 00-0301	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	1,332.79		
33 42 31 00-0302	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	1,519.82		
33 42 31 00-0303	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	1,706.84		
33 42 31 00-0304	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	1,893.85		
33 42 31 00-0305	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	2,080.88		
33 42 31 00-0306	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	2,267.90		
<b>33 42 31 00-0307</b>		<b>42" x 48" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0285)</b>			
33 42 31 00-0308	EA	42" x 48" ID, Precast Concrete Inlet Box Top Slab .....	873.32		136.45
<b>33 42 31 00-0309</b>		<b>48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>			
<b>33 42 31 00-0310</b>		<b>48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0309)</b>			
33 42 31 00-0311	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box .....	2,172.54		242.57
33 42 31 00-0312	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box .....	2,436.12		282.44
33 42 31 00-0313	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box .....	2,699.70		322.31
33 42 31 00-0314	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box .....	2,962.99		362.04
33 42 31 00-0315	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box .....	3,226.29		401.77
33 42 31 00-0316	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box .....	3,489.58		441.49
33 42 31 00-0317	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box .....	3,752.87		481.22
<b>33 42 31 00-0318</b>		<b>48" x 54" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0309)</b>			
33 42 31 00-0319	EA	6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	356.68		
33 42 31 00-0320	EA	12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	564.77		
33 42 31 00-0321	EA	18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	824.41		
33 42 31 00-0322	EA	24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	1,084.06		
33 42 31 00-0323	EA	30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	1,328.54		
33 42 31 00-0324	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	1,588.19		
33 42 31 00-0325	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	1,851.77		
33 42 31 00-0326	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	2,115.35		
33 42 31 00-0327	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	2,378.64		
33 42 31 00-0328	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	2,641.94		
33 42 31 00-0329	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	2,905.23		
33 42 31 00-0330	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	3,168.52		
<b>33 42 31 00-0331</b>		<b>48" x 54" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0309)</b>			
33 42 31 00-0332	EA	48" x 54" ID, Precast Concrete Inlet Box Top Slab .....	949.11		147.81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 31 00-0333			48" x 66" ID, Precast Concrete Inlet Boxes <small>(33 42 31 00-0227)</small>		
33 42 31 00-0334			48" x 66" ID, Precast Concrete Inlet Boxes <small>(33 42 31 00-0333)</small>		
33 42 31 00-0335	EA		36" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,507.59	305.64
33 42 31 00-0336	EA		42" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,798.25	356.71
33 42 31 00-0337	EA		48" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,088.92	407.77
33 42 31 00-0338	EA		54" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,379.02	458.55
33 42 31 00-0339	EA		60" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,669.12	509.34
33 42 31 00-0340	EA		66" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,959.23	560.12
33 42 31 00-0341	EA		72" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	4,249.33	610.90
33 42 31 00-0342			48" x 66" ID, Precast Concrete Inlet Box Risers <small>(33 42 31 00-0333)</small>		
33 42 31 00-0343	EA		6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	392.30	
33 42 31 00-0344	EA		12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	606.30	
33 42 31 00-0345	EA		18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	896.72	
33 42 31 00-0346	EA		24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	1,187.13	
33 42 31 00-0347	EA		30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	1,452.08	
33 42 31 00-0348	EA		36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	1,742.50	
33 42 31 00-0349	EA		42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	2,033.16	
33 42 31 00-0350	EA		48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	2,323.82	
33 42 31 00-0351	EA		54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	2,613.93	
33 42 31 00-0352	EA		60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	2,904.02	
33 42 31 00-0353	EA		66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	3,194.14	
33 42 31 00-0354	EA		72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	3,484.24	
33 42 31 00-0355			48" x 66" ID, Precast Concrete Inlet Box Tops <small>(33 42 31 00-0333)</small>		
33 42 31 00-0356	EA		48" x 66" ID, Precast Concrete Inlet Box Top Slab.....	1,055.33	165.56
33 42 31 00-0357			42" x 102" ID, Precast Concrete Inlet Boxes <small>(33 42 31 00-0227)</small>		
33 42 31 00-0358			42" x 102" ID, Precast Concrete Inlet Boxes <small>(33 42 31 00-0357)</small>		
33 42 31 00-0359	EA		36" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	3,144.06	412.07
33 42 31 00-0360	EA		42" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	3,512.22	480.29
33 42 31 00-0361	EA		48" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	3,880.37	547.61
33 42 31 00-0362	EA		54" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	4,247.63	615.83
33 42 31 00-0363	EA		60" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	4,615.78	683.15
33 42 31 00-0364	EA		66" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	4,983.03	750.46
33 42 31 00-0365	EA		72" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	5,352.11	818.68
33 42 31 00-0366			42" x 102" ID, Precast Concrete Inlet Box Risers <small>(33 42 31 00-0357)</small>		
33 42 31 00-0367	EA		6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	526.44	
33 42 31 00-0368	EA		12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	799.99	
33 42 31 00-0369	EA		18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,161.79	
33 42 31 00-0370	EA		24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,523.58	
33 42 31 00-0371	EA		30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,858.99	
33 42 31 00-0372	EA		36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,220.78	
33 42 31 00-0373	EA		42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,588.95	
33 42 31 00-0374	EA		48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,957.10	
33 42 31 00-0375	EA		54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	3,324.35	
33 42 31 00-0376	EA		60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	3,692.50	
33 42 31 00-0377	EA		66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	4,059.75	
33 42 31 00-0378	EA		72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	4,427.93	
33 42 31 00-0379			42" x 102" ID, Precast Concrete Inlet Box Tops <small>(33 42 31 00-0357)</small>		
33 42 31 00-0380	EA		42" x 102" ID, Precast Concrete Inlet Box Top Slab.....	1,434.13	181.93
33 42 31 00-0381			Frames And Grates For Inlets <small>(33 42 31 00-0226)</small>		
33 42 31 00-0382			Inlet Frames And Grates <small>(33 42 31 00-0381)</small>		
33 42 31 00-0383	EA		24" x 24", Heavy Duty Inlet Grate.....	299.28	42.46
			Note: For type A, B, D, or E inlets.		
33 42 31 00-0384	EA		47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT).....	384.90	42.46
			Note: For type A, B, D, or E inlets.		
33 42 31 00-0385	EA		47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT).....	384.90	42.46
			Note: Includes legend: Dump No Waste "Drains To Waterways".		
33 42 31 00-0386	EA		Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT).....	384.90	42.46
			Note: Legend: Dump No Waste "Drains to Waterways"		
33 42 31 00-0387	EA		Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362).....	420.61	42.46
33 42 31 00-0388	EA		Type B Inlet Dirt Plate (US Foundry 5217 BK).....	326.94	84.90
33 42 31 00-0389	EA		Back Plate For Type B Inlets (Campbell Foundry 2548-1942).....	376.94	84.90
33 42 31 00-0390	EA		Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4).....	469.40	106.12
			Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".		
33 42 31 00-0391	EA		1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	405.12	106.12
33 42 31 00-0392	EA		2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	412.26	106.12
33 42 31 00-0393	EA		2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	426.55	106.12
33 42 31 00-0394	EA		3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	440.83	106.12
33 42 31 00-0395	EA		2" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	426.55	106.12
33 42 31 00-0396	EA		2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	440.83	106.12

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0397 EA 3" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	455.12	106.12
33 42 31 00-0398 EA 2" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	640.83	106.12
33 42 31 00-0399 EA 2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	669.40	106.12
33 42 31 00-0400 EA 3" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	697.97	106.12
33 42 31 00-0401 EA 2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701).....	483.69	106.12
33 42 31 00-0402 EA 6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6).....	440.83	106.12
33 42 31 00-0403 EA 8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8).....	440.83	106.12
33 42 31 00-0404 EA 6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6).....	869.33	106.12
33 42 31 00-0405 EA 8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8).....	869.33	106.12
33 42 31 00-0406 EA Safety Bars For Type B And D Inlets (General Foundries 5218 SB).....	376.34	116.74
33 42 31 00-0407 EA 6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648).....	512.05	116.74
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0408 EA 8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848).....	512.05	116.74
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0409 EA 10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048).....	562.05	116.74
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0410 EA Type B Inlet Frame (US Foundry 5216 FRM).....	640.62	116.74
33 42 31 00-0411 EA Type D Inlet Frame (US Foundry 2999 FRM).....	554.91	116.74
33 42 31 00-0412 EA Type B Inlet Frame (Campbell Foundry 2618-0202).....	776.34	116.74
33 42 31 00-0413 EA Type D Inlet Frame (Campbell Foundry 2617-0002).....	690.62	116.74
33 42 31 00-0414 EA Type A Inlet, Single Frame And Grate (US Foundry 52340).....	896.74	169.80
33 42 31 00-0415 EA Type E Inlet, Single Frame And Grate (US Foundry 52342).....	1,411.03	169.80
33 42 31 00-0416 EA Type A Inlet, Single Frame And Grate (General Foundries 52340).....	875.31	169.80
33 42 31 00-0417 EA Type E Inlet, Double Frame And Grate (General Foundries 52342).....	1,343.88	169.80
33 42 31 00-0418 EA Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340).....	1,459.40	254.70
33 42 31 00-0419 EA Heavy Duty Rectangular Frame And Grate (Campbell Foundry 3084).....	1,519.64	339.60
33 42 31 00-0420 EA 6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186).....	1,657.77	339.60
33 42 31 00-0421 EA 8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198).....	1,657.77	339.60
33 42 31 00-0422 EA 6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266).....	1,479.20	339.60
33 42 31 00-0423 EA 8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268).....	1,479.20	339.60
33 42 31 00-0424 EA Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198).....	1,714.91	339.60
<b>33 42 31 00-0425 Catch Basin Frames And Covers (33 42 31 00-0001)</b>		
<b>33 42 31 00-0426 Cast Iron Frames And Covers (33 42 31 00-0425)</b>		
33 42 31 00-0427 EA 18" Diameter Cast Iron Catch Basin Frame And Cover.....	397.26	92.80
33 42 31 00-0428 EA 22" Diameter Cast Iron Catch Basin Frame And Cover.....	489.60	104.86
33 42 31 00-0429 EA 24" Diameter Cast Iron Catch Basin Frame And Cover.....	543.17	108.57
33 42 31 00-0430 EA 26" Diameter Cast Iron Catch Basin Frame And Cover.....	607.75	126.20
33 42 31 00-0431 EA 28" Diameter Cast Iron Catch Basin Frame And Cover.....	698.08	143.83
33 42 31 00-0432 EA 32" Diameter Cast Iron Catch Basin Frame And Cover.....	1,060.68	150.32
33 42 31 00-0433 EA 16" x 16" Cast Iron Catch Basin Frame And Cover.....	594.93	114.14
33 42 31 00-0434 EA 18" x 24" Cast Iron Catch Basin Frame And Cover.....	759.21	131.77
33 42 31 00-0435 EA 20" x 27" Cast Iron Catch Basin Frame And Cover.....	847.78	137.33
33 42 31 00-0436 EA 23" x 23" Cast Iron Catch Basin Frame And Cover.....	808.12	137.33
33 42 31 00-0437 EA 24" x 24" Cast Iron Catch Basin Frame And Cover.....	836.28	142.90
33 42 31 00-0438 EA 26" x 26" Cast Iron Catch Basin Frame And Cover.....	893.52	148.47
33 42 31 00-0439 EA 24" x 36" Cast Iron Catch Basin Frame And Cover.....	1,056.74	159.61
<b>33 42 31 00-0440 Area Yard Drain (33 42 31 00-0001)</b>		
See CSI section 22 14 26 16-0001 for drains.		
<b>33 42 31 00-0441 Ductile Iron Grates (33 42 31 00-0440)</b>		
Note: Not for traffic loading.		
33 42 31 00-0442 EA 8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe.....	150.02	32.30
33 42 31 00-0443 EA 10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe.....	185.77	34.46
33 42 31 00-0444 EA 12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe.....	445.63	43.07
33 42 31 00-0445 EA 15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe.....	532.41	51.68
<b>33 42 31 00-0446 Concrete Drainage Inlet Structures (CALTRANS) (33 42 31 00-0001)</b>		
<b>33 42 31 00-0447 Type OS Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0448 EA 3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,111.74	
33 42 31 00-0449 EA 4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,452.91	
33 42 31 00-0450 EA 5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,769.52	
33 42 31 00-0451 EA 6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,061.56	
33 42 31 00-0452 EA 7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,329.01	
33 42 31 00-0453 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,571.89	
33 42 31 00-0454 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	4,860.32	
33 42 31 00-0455 EA 10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	5,665.56	
33 42 31 00-0456 EA 12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,408.55	
33 42 31 00-0457 EA 14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,091.11	
33 42 31 00-0458 EA 16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,747.08	
33 42 31 00-0459 EA 18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,349.71	
33 42 31 00-0460 EA 20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,899.00	
<b>33 42 31 00-0461 Type OL-7 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0462 EA 3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,875.54	
33 42 31 00-0463 EA 4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,194.28	
33 42 31 00-0464 EA 5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,488.42	
33 42 31 00-0465 EA 6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,757.99	
33 42 31 00-0466 EA 7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,002.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 31 00-0467	EA		8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,222.48	
33 42 31 00-0468	EA		8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	5,472.64	
33 42 31 00-0469	EA		10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,259.00	
33 42 31 00-0470	EA		12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,983.07	
33 42 31 00-0471	EA		14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,645.80	
33 42 31 00-0472	EA		16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,285.36	
33 42 31 00-0473	EA		18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,871.56	
33 42 31 00-0474	EA		20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,404.43	

**33 42 31 00-0475 Type OL-10 Concrete Drainage Inlet Structure (33 42 31 00-0446)**

33 42 31 00-0476	EA		3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,579.46	
33 42 31 00-0477	EA		4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,877.69	
33 42 31 00-0478	EA		5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,150.41	
33 42 31 00-0479	EA		6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,399.48	
33 42 31 00-0480	EA		7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,623.05	
33 42 31 00-0481	EA		8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,822.05	
33 42 31 00-0482	EA		8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,084.97	
33 42 31 00-0483	EA		10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,851.50	
33 42 31 00-0484	EA		12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,557.59	
33 42 31 00-0485	EA		14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,201.42	
33 42 31 00-0486	EA		16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,823.63	
33 42 31 00-0487	EA		18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,393.42	
33 42 31 00-0488	EA		20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,908.94	

**33 42 31 00-0489 Type OL-14 Concrete Drainage Inlet Structure (33 42 31 00-0446)**

33 42 31 00-0490	EA		3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,582.91	
33 42 31 00-0491	EA		4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,850.83	
33 42 31 00-0492	EA		5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,094.17	
33 42 31 00-0493	EA		6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,312.95	
33 42 31 00-0494	EA		7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,507.13	
33 42 31 00-0495	EA		8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,676.75	
33 42 31 00-0496	EA		8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,952.43	
33 42 31 00-0497	EA		10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,692.09	
33 42 31 00-0498	EA		12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,370.42	
33 42 31 00-0499	EA		14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,987.40	
33 42 31 00-0500	EA		16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,587.20	
33 42 31 00-0501	EA		18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,132.73	
33 42 31 00-0502	EA		20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,624.90	

**33 42 31 00-0503 Type OL-21 Concrete Drainage Inlet Structure (33 42 31 00-0446)**

33 42 31 00-0504	EA		3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,619.76	
33 42 31 00-0505	EA		4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,827.48	
33 42 31 00-0506	EA		5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	7,010.62	
33 42 31 00-0507	EA		6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	7,169.19	
33 42 31 00-0508	EA		7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	7,302.26	
33 42 31 00-0509	EA		8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	7,411.67	
33 42 31 00-0510	EA		8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,649.07	
33 42 31 00-0511	EA		10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,335.81	
33 42 31 00-0512	EA		12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,961.20	
33 42 31 00-0513	EA		14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,525.25	
33 42 31 00-0514	EA		16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,079.00	
33 42 31 00-0515	EA		18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,578.47	
33 42 31 00-0516	EA		20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,024.59	

**33 42 31 00-0517 Type GOL-7 Concrete Drainage Inlet Structure (33 42 31 00-0446)**

33 42 31 00-0518	EA		3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,489.60	
33 42 31 00-0519	EA		4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,841.35	
33 42 31 00-0520	EA		5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,164.87	
33 42 31 00-0521	EA		6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,460.14	
33 42 31 00-0522	EA		7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,728.10	
33 42 31 00-0523	EA		8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,968.75	
33 42 31 00-0524	EA		8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,327.35	
33 42 31 00-0525	EA		10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,203.10	
33 42 31 00-0526	EA		12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,009.86	
33 42 31 00-0527	EA		14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,746.72	
33 42 31 00-0528	EA		16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,459.10	
33 42 31 00-0529	EA		18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,111.44	
33 42 31 00-0530	EA		20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,702.85	

**33 42 31 00-0531 Type GOL-10 Concrete Drainage Inlet Structure (33 42 31 00-0446)**

33 42 31 00-0532	EA		3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,253.42	
33 42 31 00-0533	EA		4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,581.78	
33 42 31 00-0534	EA		5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,882.84	
33 42 31 00-0535	EA		6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,156.58	
33 42 31 00-0536	EA		7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,402.08	
33 42 31 00-0537	EA		8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,619.35	
33 42 31 00-0538	EA		8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,977.94	
33 42 31 00-0539	EA		10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,833.09	
33 42 31 00-0540	EA		12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,619.25	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0541 EA 14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,336.43	
33 42 31 00-0542 EA 16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,030.84	
33 42 31 00-0543 EA 18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,665.22	
33 42 31 00-0544 EA 20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	11,239.58	
<b>33 42 31 00-0545 Type G-1 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0546 EA 3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,422.80	
33 42 31 00-0547 EA 4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,700.70	
33 42 31 00-0548 EA 5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,957.97	
33 42 31 00-0549 EA 6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,196.44	
33 42 31 00-0550 EA 7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,416.12	
33 42 31 00-0551 EA 8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,615.14	
<b>33 42 31 00-0552 Type G-2 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0553 EA 3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,961.97	
33 42 31 00-0554 EA 4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,274.20	
33 42 31 00-0555 EA 5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,563.98	
33 42 31 00-0556 EA 6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,831.30	
33 42 31 00-0557 EA 7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,076.14	
33 42 31 00-0558 EA 8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,297.62	
33 42 31 00-0559 EA 8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	4,464.86	
33 42 31 00-0560 EA 10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	5,207.77	
33 42 31 00-0561 EA 12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	5,894.30	
33 42 31 00-0562 EA 14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,524.43	
33 42 31 00-0563 EA 16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,130.09	
33 42 31 00-0564 EA 18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,686.74	
33 42 31 00-0565 EA 20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,193.47	
<b>33 42 31 00-0566 Type G-3 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0567 EA 3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,542.62	
33 42 31 00-0568 EA 4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,816.61	
33 42 31 00-0569 EA 5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,070.87	
33 42 31 00-0570 EA 6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,306.34	
33 42 31 00-0571 EA 7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,521.15	
33 42 31 00-0572 EA 8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,717.19	
<b>33 42 31 00-0573 Type G-4_24 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0574 EA 3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,902.06	
33 42 31 00-0575 EA 4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,216.25	
33 42 31 00-0576 EA 5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,507.99	
33 42 31 00-0577 EA 6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,776.34	
33 42 31 00-0578 EA 7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,023.17	
33 42 31 00-0579 EA 8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,246.59	
33 42 31 00-0580 EA 8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	4,439.34	
33 42 31 00-0581 EA 10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	5,183.71	
33 42 31 00-0582 EA 12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	5,870.74	
33 42 31 00-0583 EA 14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,501.39	
33 42 31 00-0584 EA 16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,107.47	
33 42 31 00-0585 EA 18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,664.54	
33 42 31 00-0586 EA 20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,172.60	
<b>33 42 31 00-0587 Type G-4_18 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0588 EA 3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,961.97	
33 42 31 00-0589 EA 4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,274.20	
33 42 31 00-0590 EA 5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,563.98	
33 42 31 00-0591 EA 6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,831.30	
33 42 31 00-0592 EA 7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,076.14	
33 42 31 00-0593 EA 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,297.62	
33 42 31 00-0594 EA 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	4,464.86	
33 42 31 00-0595 EA 10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	5,207.77	
33 42 31 00-0596 EA 12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	5,894.30	
33 42 31 00-0597 EA 14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,524.43	
33 42 31 00-0598 EA 16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,130.09	
33 42 31 00-0599 EA 18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,686.74	
33 42 31 00-0600 EA 20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,193.47	
<b>33 42 31 00-0601 Type G-5 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0602 EA 3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,527.64	
33 42 31 00-0603 EA 4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,801.88	
33 42 31 00-0604 EA 5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,057.34	
33 42 31 00-0605 EA 6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,292.14	
33 42 31 00-0606 EA 7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,508.14	
33 42 31 00-0607 EA 8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,704.43	
<b>33 42 31 00-0608 Type G-6 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0609 EA 3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,557.58	
33 42 31 00-0610 EA 4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,831.32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 31 00-0611	EA	5'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,085.32	
33 42 31 00-0612	EA	6'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,319.62	
33 42 31 00-0613	EA	7'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,534.17	
33 42 31 00-0614	EA	8'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,729.95	

**33 42 31 00-0615 Type GT1 Concrete Drainage Inlet Structure** (33 42 31 00-0446)

33 42 31 00-0616	EA	3'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,605.96	
33 42 31 00-0617	EA	4'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,034.23	
33 42 31 00-0618	EA	5'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,460.34	
33 42 31 00-0619	EA	6'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,798.74	
33 42 31 00-0620	EA	7'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,134.07	
33 42 31 00-0621	EA	8'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,439.34	

**33 42 31 00-0622 Type GT2 Concrete Drainage Inlet Structure** (33 42 31 00-0446)

33 42 31 00-0623	EA	3'	Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,160.12	
33 42 31 00-0624	EA	4'	Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,626.31	
33 42 31 00-0625	EA	5'	Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,057.75	
33 42 31 00-0626	EA	6'	Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,455.39	
33 42 31 00-0627	EA	7'	Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,818.28	
33 42 31 00-0628	EA	8'	Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,147.35	
33 42 31 00-0629	EA	8'	Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,888.64	
33 42 31 00-0630	EA	10'	Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,983.90	
33 42 31 00-0631	EA	12'	Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,994.68	
33 42 31 00-0632	EA	14'	Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,921.91	
33 42 31 00-0633	EA	16'	Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,814.47	
33 42 31 00-0634	EA	18'	Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,633.52	
33 42 31 00-0635	EA	20'	Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,379.06	

**33 42 31 00-0636 Type GT3 Concrete Drainage Inlet Structure** (33 42 31 00-0446)

33 42 31 00-0637	EA	3'	Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,590.99	
33 42 31 00-0638	EA	4'	Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,019.51	
33 42 31 00-0639	EA	5'	Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,417.98	
33 42 31 00-0640	EA	6'	Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,785.47	
33 42 31 00-0641	EA	7'	Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,121.06	
33 42 31 00-0642	EA	8'	Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,426.59	

**33 42 31 00-0643 Type GT4 Concrete Drainage Inlet Structure** (33 42 31 00-0446)

33 42 31 00-0644	EA	3'	Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,264.95	
33 42 31 00-0645	EA	4'	Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,727.47	
33 42 31 00-0646	EA	5'	Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,156.19	
33 42 31 00-0647	EA	6'	Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,550.16	
33 42 31 00-0648	EA	7'	Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,910.31	
33 42 31 00-0649	EA	8'	Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,236.64	
33 42 31 00-0650	EA	8'	Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,901.41	
33 42 31 00-0651	EA	10'	Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,996.40	
33 42 31 00-0652	EA	12'	Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,006.92	
33 42 31 00-0653	EA	14'	Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,932.96	
33 42 31 00-0654	EA	16'	Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,825.33	
33 42 31 00-0655	EA	18'	Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,644.16	
33 42 31 00-0656	EA	20'	Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,389.49	

**33 42 31 00-0657 Type GO Concrete Drainage Inlet Structure** (33 42 31 00-0446)

33 42 31 00-0658	EA	3'	Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,857.13	
33 42 31 00-0659	EA	4'	Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,158.31	
33 42 31 00-0660	EA	5'	Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,437.55	
33 42 31 00-0661	EA	6'	Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,694.84	
33 42 31 00-0662	EA	7'	Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,930.20	
33 42 31 00-0663	EA	8'	Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,144.53	
33 42 31 00-0664	EA	8'	Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	4,324.54	
33 42 31 00-0665	EA	10'	Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	5,045.39	
33 42 31 00-0666	EA	12'	Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	5,710.08	
33 42 31 00-0667	EA	14'	Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,320.42	
33 42 31 00-0668	EA	16'	Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,908.28	
33 42 31 00-0669	EA	18'	Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,447.10	
33 42 31 00-0670	EA	20'	Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,938.75	

**33 42 31 00-0671 Type GDO Concrete Drainage Inlet Structure** (33 42 31 00-0446)

33 42 31 00-0672	EA	3'	Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,426.24	
33 42 31 00-0673	EA	4'	Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,822.13	
33 42 31 00-0674	EA	5'	Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,189.29	
33 42 31 00-0675	EA	6'	Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,528.69	
33 42 31 00-0676	EA	7'	Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,838.45	
33 42 31 00-0677	EA	8'	Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,120.44	
33 42 31 00-0678	EA	8'	Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	5,561.94	
33 42 31 00-0679	EA	10'	Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,491.00	
33 42 31 00-0680	EA	12'	Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,348.89	
33 42 31 00-0681	EA	14'	Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,136.55	
33 42 31 00-0682	EA	16'	Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,894.03	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 31 00-0683	EA	18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,589.59	
33 42 31 00-0684	EA	20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,223.20	

**33 42 33 Stormwater Curbside Drains and Inlets (33 42)**

33 42 33 00-0001		Curb Inlet Frames And Covers (33 42 33)		
33 42 33 00-0002		Cast Iron Curb Inlet Frames And Covers (33 42 33 00-0001)		
33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover.....	725.02	108.57
33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover.....	777.75	126.20
33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover.....	803.73	126.20
33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover.....	880.76	148.47
33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover.....	878.14	158.67

**33 42 36 Stormwater Trench Drains (33 42)**

33 42 36 00-0001		Modular Trench Drains (33 42 36) See CSI section 03 31 13 00-0011 for concrete.		
33 42 36 00-0002		Modular Trench Drains (33 42 36 00-0001) Note: Excludes grates. See CSI section 33 42 36 00-0118 for grates.		
33 42 36 00-0003		4" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0004		4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0003)		
33 42 36 00-0005		4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0004)		
33 42 36 00-0006	LF	4" Wide, High Density Polyethylene, Shallow Modular Trench Drain (Zurn Z844-C) .....	52.83	14.84
		For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	54.20	
		For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	108.40	
		For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	173.43	
		For Type 304 Stainless Steel Top Veneer Frame, Add	43.36	
		For Aluminum Veneer Bronze Anodized Frame, Add	21.68	
33 42 36 00-0007		Outlet Adapters For 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0004)		
33 42 36 00-0008	EA	Closed End Cap For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain .....	39.34	
33 42 36 00-0009	EA	No-Hub End Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain .....	48.62	
33 42 36 00-0010	EA	No-Hub Bottom Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain .....	48.62	
33 42 36 00-0011		6" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0012		6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0011)		
33 42 36 00-0013		6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0012)		
33 42 36 00-0014	LF	6" Wide, High Density Polyethylene, Modular Trench Drain .....	122.76	14.84
		For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	54.20	
		For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	108.40	
		For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	173.43	
		For Type 304 Stainless Steel Top Veneer Frame, Add	43.36	
		For Aluminum Veneer Bronze Anodized Frame, Add	21.68	
33 42 36 00-0015		Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0012)		
33 42 36 00-0016	EA	Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	57.58	
33 42 36 00-0017	EA	No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	66.86	
33 42 36 00-0018	EA	No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	66.86	
33 42 36 00-0019		Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0012)		
33 42 36 00-0020	EA	Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	102.80	
33 42 36 00-0021	EA	Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	102.80	
33 42 36 00-0022	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	479.97	
33 42 36 00-0023	EA	Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	913.55	
33 42 36 00-0024	EA	Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	108.40	
33 42 36 00-0025		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0011)		
33 42 36 00-0026		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)		
33 42 36 00-0027	LF	6" Wide, Fiber Reinforced Polyester, Modular Trench Drain .....	173.70	14.84
		For Black Acid Resistant Coated Frame, Add	41.19	
		For Galvanized Top Frame Assembly, Add	41.19	
		For Type 304 Stainless Steel Top Frame Assembly, Add	151.75	
33 42 36 00-0028		Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)		
33 42 36 00-0029	EA	Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	61.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 36 00-0030	EA		No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	71.20	
33 42 36 00-0031	EA		No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	71.20	
<b>33 42 36 00-0032</b>			<b>Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> <small>(33 42 36 00-0025)</small>		
33 42 36 00-0033	EA		Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	102.80	
33 42 36 00-0034	EA		Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	102.80	
33 42 36 00-0035	EA		90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	479.97	
33 42 36 00-0036	EA		Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	913.55	
33 42 36 00-0037	EA		Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	108.40	
33 42 36 00-0038			<b>6" Wide, Vinylester Fiberglass, Modular Trench Drains</b> <small>(33 42 36 00-0011)</small>		
<b>33 42 36 00-0039</b>			<b>6" Wide, Vinylester Fiberglass, Modular Trench Drains</b> <small>(33 42 36 00-0038)</small>		
33 42 36 00-0040	LF		6" Wide, Vinylester Fiberglass, Modular Trench Drain .....	221.40	14.84
			<i>For Black Acid Resistant Coated Frame, Add</i>	41.19	
			<i>For Galvanized Top Frame Assembly, Add</i>	41.19	
			<i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	151.75	
<b>33 42 36 00-0041</b>			<b>Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains</b> <small>(33 42 36 00-0038)</small>		
33 42 36 00-0042	EA		Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	96.60	
33 42 36 00-0043	EA		No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	105.88	
33 42 36 00-0044	EA		No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	105.88	
<b>33 42 36 00-0045</b>			<b>Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains</b> <small>(33 42 36 00-0038)</small>		
33 42 36 00-0046	EA		Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	102.80	
33 42 36 00-0047	EA		Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	102.80	
33 42 36 00-0048	EA		90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	479.97	
33 42 36 00-0049	EA		Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	913.55	
33 42 36 00-0050	EA		Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	108.40	
33 42 36 00-0051			<b>6" Wide, Polymer Concrete, Modular Trench Drains</b> <small>(33 42 36 00-0011)</small>		
<b>33 42 36 00-0052</b>			<b>6" Wide, Polymer Concrete, Modular Trench Drains</b> <small>(33 42 36 00-0051)</small>		
33 42 36 00-0053	LF		6" Wide, Polymer Concrete, Modular Trench Drain .....	335.75	
<b>33 42 36 00-0054</b>			<b>Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains</b> <small>(33 42 36 00-0051)</small>		
33 42 36 00-0055	EA		Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain .....	134.18	
33 42 36 00-0056	EA		No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain .....	164.33	
33 42 36 00-0057	EA		No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain .....	55.14	
33 42 36 00-0058			<b>12" Wide, Modular Trench Drains</b> <small>(33 42 36 00-0002)</small>		
33 42 36 00-0059			<b>12" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0058)</small>		
<b>33 42 36 00-0060</b>			<b>12" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0059)</small>		
33 42 36 00-0061	LF		12" Wide, High Density Polyethylene, Modular Trench Drain .....	225.10	20.42
			<i>For Acid Resistant Coated Top Frame, Add</i>	56.37	
			<i>For Galvanized Welded Frame Assembly, Add</i>	59.08	
			<i>For Type 304 Stainless Steel Top Frame, Add</i>	338.19	
<b>33 42 36 00-0062</b>			<b>Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0059)</small>		
33 42 36 00-0063	EA		End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	113.63	
33 42 36 00-0064	EA		No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	126.00	
33 42 36 00-0065	EA		No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	126.00	
<b>33 42 36 00-0066</b>			<b>Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0059)</small>		
33 42 36 00-0067	EA		Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	181.63	
33 42 36 00-0068	EA		Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	235.83	
33 42 36 00-0069	EA		90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	938.54	
33 42 36 00-0070	EA		Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	1,805.70	
33 42 36 00-0071	EA		Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	216.79	
33 42 36 00-0072			<b>12" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> <small>(33 42 36 00-0058)</small>		
<b>33 42 36 00-0073</b>			<b>12" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> <small>(33 42 36 00-0072)</small>		
33 42 36 00-0074	LF		12" Wide, Fiber Reinforced Polyester, Modular Trench Drain .....	279.30	20.42
			<i>For Acid Resistant Coated Top Frame, Add</i>	56.37	
			<i>For Galvanized Welded Frame Assembly, Add</i>	59.08	
			<i>For Type 304 Stainless Steel Top Frame, Add</i>	338.19	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0075			<b>Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> (33 42 36 00-0072)		
33 42 36 00-0076	EA		End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	117.97	
33 42 36 00-0077	EA		No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	130.34	
33 42 36 00-0078	EA		No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	130.34	
33 42 36 00-0079			<b>Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> (33 42 36 00-0072)		
33 42 36 00-0080	EA		Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	181.63	
33 42 36 00-0081	EA		Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	235.83	
33 42 36 00-0082	EA		90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	938.54	
33 42 36 00-0083	EA		Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	1,805.70	
33 42 36 00-0084	EA		Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	216.79	
33 42 36 00-0085			<b>12" Wide, Vinylester Fiberglass, Modular Trench Drains</b> (33 42 36 00-0085)		
33 42 36 00-0086			<b>12" Wide, Vinylester Fiberglass, Modular Trench Drains</b> (33 42 36 00-0085)		
33 42 36 00-0087	LF		12" Wide, Vinylester Fiberglass, Modular Trench Drain.....	387.69	20.42
			<i>For Acid Resistant Coated Top Frame, Add</i>	56.37	
			<i>For Galvanized Welded Frame Assembly, Add</i>	59.08	
			<i>For Type 304 Stainless Steel Top Frame, Add</i>	338.19	
33 42 36 00-0088			<b>Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains</b> (33 42 36 00-0085)		
33 42 36 00-0089	EA		End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	280.56	
33 42 36 00-0090	EA		No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	292.93	
33 42 36 00-0091	EA		No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	292.93	
33 42 36 00-0092			<b>Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains</b> (33 42 36 00-0085)		
33 42 36 00-0093	EA		Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains .....	181.63	
33 42 36 00-0094	EA		Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	235.83	
33 42 36 00-0095	EA		90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	938.54	
33 42 36 00-0096	EA		Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains .....	1,805.70	
33 42 36 00-0097	EA		Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	216.79	
33 42 36 00-0098			<b>12" Wide, Polymer Concrete, Modular Trench Drains</b> (33 42 36 00-0098)		
33 42 36 00-0099			<b>12" Wide, Polymer Concrete, Modular Trench Drains</b> (33 42 36 00-0098)		
33 42 36 00-0100	LF		12" Wide, Polymer Concrete, Modular Trench Drain.....	450.30	
33 42 36 00-0101			<b>Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains</b> (33 42 36 00-0098)		
33 42 36 00-0102	EA		Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain .....	227.12	
33 42 36 00-0103	EA		No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain .....	390.42	
33 42 36 00-0104	EA		No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain .....	94.86	
33 42 36 00-0105			<b>23" Wide, Modular Trench Drains</b> (33 42 36 00-0002)		
33 42 36 00-0106			<b>23" Wide, High Density Polyethylene, Modular Trench Drains</b> (33 42 36 00-0105)		
33 42 36 00-0107			<b>23" Wide, High Density Polyethylene, Modular Trench Drains</b> (33 42 36 00-0105)		
33 42 36 00-0108	LF		23" Wide, High Density Polyethylene, Modular Trench Drain .....	314.58	27.84
			<i>For Acid Resistant Coated Frame, Add</i>	84.55	
			<i>For Galvanized Frame Assembly, Add</i>	84.55	
			<i>For Type 304 Stainless Steel Top Frame, Add</i>	520.30	
33 42 36 00-0109			<b>Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains</b> (33 42 36 00-0106)		
33 42 36 00-0110	EA		End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains .....	345.17	
33 42 36 00-0111	EA		No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains .....	516.07	
33 42 36 00-0112	EA		No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains .....	516.07	
33 42 36 00-0113			<b>Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains</b> (33 42 36 00-0106)		
33 42 36 00-0114	EA		Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	407.22	
33 42 36 00-0115	EA		90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains .....	1,850.30	
33 42 36 00-0116	EA		Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains .....	3,584.62	
33 42 36 00-0117	EA		Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains .....	433.58	
33 42 36 00-0118			<b>Modular Trench Drain Grates</b> (33 42 36 00-0001)		
33 42 36 00-0119			<b>4" Wide, Modular Trench Drain Grates</b> (33 42 36 00-0118)		
33 42 36 00-0120	LF		4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zum Z884-P4-HPP).....	31.13	2.79

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 36 00-0121	LF			4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG).....	32.69	2.79
33 42 36 00-0122	LF			4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG).....	26.46	2.79
33 42 36 00-0123	LF			4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS).....	69.32	2.79
33 42 36 00-0124	LF			4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG).....	26.46	2.79
33 42 36 00-0125	LF			4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS).....	69.32	2.79

**33 42 36 00-0126 6" Wide, Modular Trench Drain Grates** (33 42 36 00-0118)

33 42 36 00-0127	LF			6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate .....	108.70	2.79
33 42 36 00-0128	LF			6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate .....	92.33	2.79
33 42 36 00-0129	LF			6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	96.88	2.79
33 42 36 00-0130	LF			6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	84.85	2.79
33 42 36 00-0131	LF			6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate .....	91.36	2.79
33 42 36 00-0132	LF			6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate .....	92.44	2.79
33 42 36 00-0133	LF			6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate.....	92.44	2.79
33 42 36 00-0134	LF			6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate.....	91.36	2.79
33 42 36 00-0135	LF			6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate.....	80.52	2.79
33 42 36 00-0136	LF			6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate .....	80.52	2.79
33 42 36 00-0137	LF			6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	85.50	2.79
33 42 36 00-0138	LF			6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate .....	85.50	2.79
33 42 36 00-0139	LF			6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate .....	110.87	2.79
33 42 36 00-0140	LF			6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	110.87	2.79
33 42 36 00-0141	LF			6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate .....	201.92	2.79
33 42 36 00-0142	LF			6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate .....	201.92	2.79
33 42 36 00-0143	LF			6" Wide, Stainless Steel Bar, Modular Trench Drain Grate.....	559.62	2.79
33 42 36 00-0144	LF			6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate.....	76.18	2.79
33 42 36 00-0145	LF			6" Wide, Fiberglass, Modular Trench Drain Grate.....	162.90	2.79

**33 42 36 00-0146 12" Wide, Modular Trench Drain Grates** (33 42 36 00-0118)

33 42 36 00-0147	LF			12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate .....	297.77	3.01
33 42 36 00-0148	LF			12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	284.76	3.01
33 42 36 00-0149	LF			12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate .....	247.90	3.01
33 42 36 00-0150	LF			12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate .....	260.37	3.01
33 42 36 00-0151	LF			12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate .....	225.14	3.01
33 42 36 00-0152	LF			12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	439.22	3.01
33 42 36 00-0153	LF			12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate .....	439.22	3.01
33 42 36 00-0154	LF			12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate .....	560.08	3.01
33 42 36 00-0155	LF			12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	560.08	3.01
33 42 36 00-0156	LF			12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate .....	714.55	3.01
33 42 36 00-0157	LF			12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate .....	714.55	3.01
33 42 36 00-0158	LF			12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate.....	678.23	3.01
33 42 36 00-0159	LF			12" Wide, Fiberglass, Modular Trench Drain Grate.....	321.07	3.01

**33 42 36 00-0160 23" Wide, Modular Trench Drain Grates** (33 42 36 00-0118)

33 42 36 00-0161	LF			23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	469.50	3.25
33 42 36 00-0162	LF			23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	395.79	3.25
33 42 36 00-0163	LF			23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate .....	612.58	3.25
33 42 36 00-0164	LF			23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate.....	454.33	3.25

**33 44 Storm Utility Water Drains** (33 40)

**33 44 36 Oil and Stormwater Separators** (33 44)

**33 44 36 00-0001 Oil/Water Separator** (33 44 36)

Note: Complete with internal sensors and detectors.

**33 44 36 00-0002 Coalescing Oil Water Separator** (33 44 36 00-0001)

Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.

**33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator** (33 44 36 00-0002)

33 44 36 00-0004	EA			550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways .....	13,326.91	
				Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
				<i>For Interior Polyurethane Coating, Add</i>	711.00	
33 44 36 00-0005	EA			1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways .....	16,269.21	
				Note: HTC-G 1000. 4' diameter x 14' long tank.		
				<i>For Interior Polyurethane Coating, Add</i>	893.70	
33 44 36 00-0006	EA			2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways .....	19,453.57	
				Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
				<i>For Interior Polyurethane Coating, Add</i>	1,340.10	

**33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator** (33 44 36 00-0002)

33 44 36 00-0008	EA			550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways .....	20,610.01	
				Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
				<i>For Interior Polyurethane Coating, Add</i>	711.00	
33 44 36 00-0009	EA			1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways .....	23,682.32	
				Note: HTC-G 1000. 4' diameter x 14' long tank.		
				<i>For Interior Polyurethane Coating, Add</i>	893.70	
33 44 36 00-0010	EA			2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways .....	28,880.65	
				Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
				<i>For Interior Polyurethane Coating, Add</i>	1,340.10	

**33 Utilities****33 40 Stormwater Utilities****33 44 Storm Utility Water Drains**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0011 EA 3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank. For Interior Polyurethane Coating, Add	33,584.54 1,550.70	
33 44 36 00-0012 EA 5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 5000. 6' diameter x 28'-8" long tank. For Interior Polyurethane Coating, Add	44,587.08 2,057.80	
<b>33 44 36 00-0013 Accessories For Coalescing Oil Water Separators (33 44 36 00-0002)</b>		
33 44 36 00-0014 EA Single Channel Alarm Panel For Coalescing Oil Water Separator..... Note: HTAP1.	837.69	
33 44 36 00-0015 EA Two Channel Alarm Panel For Coalescing Oil Water Separator..... Note: HTAP2.	1,136.71	
33 44 36 00-0016 EA Float Interface Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	669.74	
33 44 36 00-0017 EA 1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	497.70	
33 44 36 00-0018 EA Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	175.11	
33 44 36 00-0019 EA 550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator.....	2,864.80	
33 44 36 00-0020 EA 3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator.....	5,729.60	
33 44 36 00-0021 EA 5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator.....	8,594.47	
33 44 36 00-0022 EA 550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator.....	535.42	
33 44 36 00-0023 EA 2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator.....	627.18	
33 44 36 00-0024 EA 3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator.....	1,254.37	
33 44 36 00-0025 EA 5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator.....	2,741.78	
33 44 36 00-0026 EA 30" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	750.48	
33 44 36 00-0027 EA 36" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	972.97	
33 44 36 00-0028 EA 48" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,338.82	
33 44 36 00-0029 EA 54" x 54" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	2,411.23	
33 44 36 00-0030 EA 66" x 54" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	3,090.80	
33 44 36 00-0031 EA 66" x 66" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	3,870.74	
33 44 36 00-0032 EA 78" x 66" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	4,871.46	
33 44 36 00-0033 EA 550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator.....	956.28	
33 44 36 00-0034 EA 1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator.....	1,165.60	
33 44 36 00-0035 EA 2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator.....	1,830.83	
33 44 36 00-0036 EA 550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator.....	911.83	
33 44 36 00-0037 EA 1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator.....	1,106.82	
33 44 36 00-0038 EA 2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator.....	1,313.27	
33 44 36 00-0039 EA 18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator.....	77.42	
33 44 36 00-0040 EA 24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator.....	87.46	
<b>33 44 36 00-0041 Oil Skimmers (33 44 36)</b>		
<b>33 44 36 00-0042 Oil Skimmers, 12" And 24" Models (33 44 36 00-0041)</b>		
33 44 36 00-0043 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	4,973.82	562.35
33 44 36 00-0044 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	5,209.62	562.35
33 44 36 00-0045 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	4,995.66	562.35
33 44 36 00-0046 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	5,298.04	562.35
33 44 36 00-0047 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	5,243.46	562.35
33 44 36 00-0048 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	5,443.23	562.35
33 44 36 00-0049 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	5,294.76	562.35
33 44 36 00-0050 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	5,596.06	562.35
33 44 36 00-0051 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	5,602.21	749.96
33 44 36 00-0052 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	5,854.38	749.96
33 44 36 00-0053 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	5,668.80	749.96
33 44 36 00-0054 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	6,031.23	749.96
33 44 36 00-0055 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	6,239.73	749.96
33 44 36 00-0056 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	6,491.90	749.96
33 44 36 00-0057 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	6,293.22	749.96
33 44 36 00-0058 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	6,656.74	749.96
<b>33 44 36 00-0059 Oil Skimmers, Add-Ons (33 44 36 00-0041)</b>		
33 44 36 00-0060 LF Add For Belt Projection, 12" Width.....	16.37	
33 44 36 00-0061 LF Add For Belt Projection, 24" Width.....	30.57	
33 44 36 00-0062 LF Add For Spacer Stands, 12" Models.....	255.27	
33 44 36 00-0063 LF Add For Spacer Stands, 24" Models.....	303.30	

**33 46 Stormwater Management (33 40)****33 46 23 Modular Buried Stormwater Storage Units (33 46)**



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 46 23 00-0001				<b>Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™)</b> <small>(33 46 23)</small> Note: Includes chambers and end caps delivery to site. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, geotextile fabrics and cutting holes in chambers. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.		
33 46 23 00-0002				<b>85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)</b> <small>(33 46 23 00-0001)</small>		
33 46 23 00-0003	EA			Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) .....	422.05	
33 46 23 00-0004	EA			>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) .....	388.26	
33 46 23 00-0005	EA			>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) .....	364.33	
33 46 23 00-0006	EA			>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) .....	341.13	
33 46 23 00-0007	EA			Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740) .....	184.55	
33 46 23 00-0008	EA			>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740) .....	162.63	
33 46 23 00-0009	EA			>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740) .....	149.98	
33 46 23 00-0010	EA			>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740) .....	137.50	
33 46 23 00-0011				<b>85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)</b> <small>(33 46 23 00-0001)</small>		
33 46 23 00-0012	EA			Up To 10, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) .....	244.10	
33 46 23 00-0013	EA			>10 To 20, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) .....	222.85	
33 46 23 00-0014	EA			>20 To 30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) .....	208.32	
33 46 23 00-0015	EA			>30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) .....	195.05	
33 46 23 00-0016	EA			Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310) .....	144.98	
33 46 23 00-0017	EA			>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310) .....	128.68	
33 46 23 00-0018	EA			>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310) .....	118.85	
33 46 23 00-0019	EA			>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310) .....	110.05	
33 46 23 00-0020				<b>90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)</b> <small>(33 46 23 00-0001)</small>		
33 46 23 00-0021	EA			Up To 10, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) .....	709.83	
33 46 23 00-0022	EA			>10 To 20, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) .....	660.08	
33 46 23 00-0023	EA			>20 To 30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) .....	620.85	
33 46 23 00-0024	EA			>30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) .....	585.28	
33 46 23 00-0025	EA			Up To 10, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500) .....	600.57	
33 46 23 00-0026	EA			>10 To 20, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500) .....	556.27	
33 46 23 00-0027	EA			>20 To 30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500) .....	522.24	
33 46 23 00-0028	EA			>30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500) .....	491.60	
33 46 23 00-0029				<b>85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)</b> <small>(33 46 23 00-0001)</small>		
33 46 23 00-0030	EA			Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) .....	437.72	
33 46 23 00-0031	EA			>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) .....	403.16	
33 46 23 00-0032	EA			>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) .....	378.47	
33 46 23 00-0033	EA			>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) .....	354.56	
33 46 23 00-0034	EA			Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780) .....	184.55	
33 46 23 00-0035	EA			>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780) .....	159.67	
33 46 23 00-0036	EA			>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780) .....	149.98	
33 46 23 00-0037	EA			>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780) .....	137.50	
33 46 23 00-0038				<b>52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)</b> <small>(33 46 23 00-0001)</small>		
33 46 23 00-0039	EA			Up To 10, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) .....	739.07	
33 46 23 00-0040	EA			>10 To 20, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) .....	686.27	
33 46 23 00-0041	EA			>20 To 30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) .....	644.04	
33 46 23 00-0042	EA			>30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) .....	607.76	

**33 Utilities****33 40 Stormwater Utilities****33 46 Stormwater Management**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0043	EA		Up To 10, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	915.97	
33 46 23 00-0044	EA		>10 To 20, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	854.32	
33 46 23 00-0045	EA		>20 To 30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	803.69	
33 46 23 00-0046	EA		>30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	759.43	
<b>33 46 23 00-0047</b>			<b>Cut Opening In Polypropylene Corrugated Wall Stormwater Collection Chambers</b> (33 46 23 00-0001)		
33 46 23 00-0048	EA		Cut Up To 6" Diameter Opening, Polypropylene Corrugated Wall Stormwater Colelction Chamber Or End Cap.....	49.17	
33 46 23 00-0049	EA		Cut >6" To 12" Diameter Opening, Polypropylene Corrugated Wall Stormwater Colelction Chamber Or End Cap.....	62.90	
33 46 23 00-0050	EA		Cut >12" To 24" Diameter Opening, Polypropylene Corrugated Wall Stormwater Colelction Chamber Or End Cap.....	81.62	
33 46 23 00-0051	EA		Cut >24" To 36" Diameter Opening, Polypropylene Corrugated Wall Stormwater Colelction Chamber Or End Cap.....	103.16	
33 46 23 00-0052	EA		12" x 6" Inspection Port Kit.....	513.93	
			Note: (2712AG6IPKIT)		
<b>33 46 53</b>			<b>Stormwater Leaching Pits</b> (33 46)		
<b>33 46 53 00-0001</b>			<b>Drainage Wells</b> (33 46 53)		
			Note: Includes augering hole.		
33 46 53 00-0002	LF		12" Diameter Drainage Well With Corrugated Metal Liner.....	26.04	
33 46 53 00-0003	LF		18" Diameter Drainage Well With Corrugated Metal Liner.....	31.62	
33 46 53 00-0004	LF		24" Diameter Drainage Well With Corrugated Metal Liner.....	41.97	
<b>33 50</b>			<b>Hydrocarbon Utilities</b> (33)		
<b>33 52</b>			<b>Hydrocarbon Transmission and Distribution</b> (33 50)		
<b>33 52 16</b>			<b>Gas Hydrocarbon Piping</b> (33 52)		
<b>33 52 16 13</b>			<b>Steel Natural Gas Piping</b> (33 52 16)		
			See CSI section 23 05 23 00-0000 for gas valves.		
<b>33 52 16 13-0001</b>			<b>Gas Distribution Lines</b> (33 52 16 13)		
			Note: Excludes excavation and backfill.		
<b>33 52 16 13-0002</b>			<b>Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped</b> (33 52 16 13-0001)		
33 52 16 13-0003	LF		1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	13.46	2.50
33 52 16 13-0004	LF		3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	15.37	2.74
33 52 16 13-0005	LF		1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	17.22	2.81
33 52 16 13-0006	LF		1-1/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	17.67	2.88
33 52 16 13-0007	LF		1-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	18.26	2.92
33 52 16 13-0008	LF		2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	19.38	3.14
33 52 16 13-0009	LF		2-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	26.34	3.72
33 52 16 13-0010	LF		3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	32.90	4.70
33 52 16 13-0011	LF		4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	43.56	5.67
33 52 16 13-0012	LF		5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	57.58	6.57
33 52 16 13-0013	LF		6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	72.13	8.04
33 52 16 13-0014	LF		8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	103.39	10.33
<b>33 52 16 13-0015</b>			<b>Gas Line Taps</b> (33 52 16 13-0001)		
			Note: Includes material to tap into main and gas valve.		
<b>33 52 16 13-0016</b>			<b>Polyethylene, 60 PSI</b> (33 52 16 13-0015)		
33 52 16 13-0017	EA		2" Polyethylene Hot Tap, With Valve.....	1,446.42	
33 52 16 13-0018	EA		2-1/2" Polyethylene Hot Tap, With Valve.....	1,582.42	
33 52 16 13-0019	EA		3" Polyethylene Hot Tap, With Valve.....	1,672.61	
33 52 16 13-0020	EA		4" Polyethylene Hot Tap, With Valve.....	2,556.00	
33 52 16 13-0021	EA		6" Polyethylene Hot Tap, With Valve.....	3,922.92	
<b>33 52 16 13-0022</b>			<b>Steel, Schedule 40</b> (33 52 16 13-0015)		
			Note: For punch steel service tee.		
33 52 16 13-0023	EA		1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....	1,957.67	
33 52 16 13-0024	EA		3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....	1,990.79	
33 52 16 13-0025	EA		3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....	2,038.66	
33 52 16 13-0026	EA		3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....	2,084.81	
33 52 16 13-0027	EA		1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....	2,117.80	
33 52 16 13-0028	EA		1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....	2,302.56	
33 52 16 13-0029	EA		1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....	2,362.84	
<b>33 52 16 13-0030</b>			<b>Protective Pipe And Fitting Wrap</b> (33 52 16 13-0001)		
			Note: Includes cleaning and priming pipe.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**33 52 16 13-0031 Corrosion Protection Pipe Wrap For Pipe** (33 52 16 13-0030)  
 Note: Field applied.

33 52 16 13-0032	LF		1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	3.59	
33 52 16 13-0033	LF		3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	3.75	
33 52 16 13-0034	LF		1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	3.94	
33 52 16 13-0035	LF		1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	4.44	
33 52 16 13-0036	LF		1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	4.72	
33 52 16 13-0037	LF		2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	5.45	
33 52 16 13-0038	LF		2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	6.74	
33 52 16 13-0039	LF		3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	8.45	
33 52 16 13-0040	LF		4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	10.74	
33 52 16 13-0041	LF		6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	14.40	

**33 52 16 13-0042 Corrosion Resistance Wrap And Coat - Fittings** (33 52 16 13-0030)  
 Note: Field applied.

33 52 16 13-0043	EA		1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	17.83	
33 52 16 13-0044	EA		3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	17.83	
33 52 16 13-0045	EA		1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	21.90	
33 52 16 13-0046	EA		1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	24.91	
33 52 16 13-0047	EA		1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	24.91	
33 52 16 13-0048	EA		2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	29.50	
33 52 16 13-0049	EA		2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	39.26	
33 52 16 13-0050	EA		3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	55.39	
33 52 16 13-0051	EA		4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	56.26	
33 52 16 13-0052	EA		6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	65.03	

**33 52 16 13-0053 Service Fittings** (33 52 16 13-0001)

**33 52 16 13-0054 Brass Fittings** (33 52 16 13-0053)

33 52 16 13-0055	EA		1/2" X 2" Long Nipples, Threaded Both Ends, Brass .....	31.84	
33 52 16 13-0056	EA		3/4" X 2" Long Nipples, Threaded Both Ends, Brass .....	36.90	
33 52 16 13-0057	EA		1" X 2" Long Nipples, Threaded Both Ends, Brass .....	46.69	
33 52 16 13-0058	EA		1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass .....	57.76	
33 52 16 13-0059	EA		1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass .....	64.73	
33 52 16 13-0060	EA		2" X 2" Long Nipples, Threaded Both Ends, Brass .....	83.85	
33 52 16 13-0061	EA		1/2" 90 Degree Elbow, Brass .....	28.07	
33 52 16 13-0062	EA		3/4" 90 Degree Elbow, Brass .....	32.27	
33 52 16 13-0063	EA		1" 90 Degree Elbow, Brass .....	41.88	
33 52 16 13-0064	EA		1-1/4" 90 Degree Elbow, Brass .....	54.13	
33 52 16 13-0065	EA		1-1/2" 90 Degree Elbow, Brass .....	61.88	
33 52 16 13-0066	EA		2" 90 Degree Elbow, Brass .....	82.69	
33 52 16 13-0067	EA		1/2" Diameter Chrome Plated Nipple .....	24.58	
33 52 16 13-0068	EA		3/4" Diameter Chrome Plated Nipple .....	31.83	
33 52 16 13-0069	EA		1" Diameter Chrome Plated Nipple .....	41.50	
33 52 16 13-0070	EA		1-1/4" Diameter Chrome Plated Nipple .....	59.42	
33 52 16 13-0071	EA		1-1/2" Diameter Chrome Plated Nipple .....	72.52	
33 52 16 13-0072	EA		2" Diameter Chrome Plated Nipple .....	98.95	

**33 52 16 13-0073 Anodless Gas Riser** (33 52 16 13-0053)

33 52 16 13-0074	EA		3/4" Anodless Gas Riser .....	78.67	
33 52 16 13-0075	EA		1" Anodless Gas Riser .....	96.95	
33 52 16 13-0076	EA		1-1/4" Anodless Gas Riser .....	112.99	
33 52 16 13-0077	EA		1-1/2" Anodless Gas Riser .....	139.86	
33 52 16 13-0078	EA		2" Anodless Gas Riser .....	159.87	

**33 52 16 13-0079 Brass Service Adapter** (33 52 16 13-0053)

33 52 16 13-0080	EA		1/2" Brass Service Adapter .....	65.93	
33 52 16 13-0081	EA		3/4" Brass Service Adapter .....	72.56	
33 52 16 13-0082	EA		1" Brass Service Adapter .....	87.40	
33 52 16 13-0083	EA		1-1/4" Brass Service Adapter .....	109.03	
33 52 16 13-0084	EA		1-1/2" Brass Service Adapter .....	133.96	
33 52 16 13-0085	EA		2" Brass Service Adapter .....	164.52	
33 52 16 13-0086	EA		2-1/2" Brass Service Adapter .....	292.30	
33 52 16 13-0087	EA		3" Brass Service Adapter .....	357.79	
33 52 16 13-0088	EA		4" Brass Service Adapter .....	519.81	

**33 52 16 23 Medium Density Polyethylene Piping for Natural Gas** (33 52 16)

**33 52 16 23-0001 Medium Density Polyethylene (MDPE) Gas Distribution Piping** (33 52 16 23)  
 Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 23-0002	LF		1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe .....	3.48	1.58
			For Colors, Add	0.04	
33 52 16 23-0003	LF		3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe .....	3.85	1.68
			For SDR 13.5, Deduct	-0.08	
			For Colors, Add	0.05	
33 52 16 23-0004	LF		1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe .....	4.23	1.80
			For SDR 13.5, Deduct	-0.10	
			For Colors, Add	0.07	

**33 Utilities****33 50 Hydrocarbon Utilities****33 52 Hydrocarbon Transmission and Distribution**MINOR  
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UNIT COST UNIT COST

33 52 16 23-0005	LF 1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.62	1.92
	<i>For SDR 13.5, Deduct</i>	-0.12	
	<i>For Colors, Add</i>	0.08	
33 52 16 23-0006	LF 1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.27	2.31
	<i>For SDR 13.5, Deduct</i>	-0.17	
	<i>For Colors, Add</i>	0.11	
33 52 16 23-0007	LF 2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.92	2.51
	<i>For SDR 13.5, Deduct</i>	-0.23	
	<i>For SDR 15.5, Deduct</i>	-0.41	
	<i>For Colors, Add</i>	0.15	
33 52 16 23-0008	LF 2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	7.36	2.94
	<i>For SDR 13.5, Deduct</i>	-0.38	
	<i>For SDR 15.5, Deduct</i>	-0.69	
	<i>For Colors, Add</i>	0.24	
33 52 16 23-0009	LF 3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	8.91	3.48
	<i>For SDR 13.5, Deduct</i>	-0.51	
	<i>For SDR 15.5, Deduct</i>	-0.94	
	<i>For Colors, Add</i>	0.33	
33 52 16 23-0010	LF 4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	14.26	4.01
	<i>For SDR 13.5, Deduct</i>	-0.95	
	<i>For SDR 15.5, Deduct</i>	-1.74	
	<i>For Colors, Add</i>	0.61	
33 52 16 23-0011	LF 5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	17.87	4.01
	<i>For SDR 13.5, Deduct</i>	-1.31	
	<i>For SDR 15.5, Deduct</i>	-2.42	
	<i>For Colors, Add</i>	0.85	
33 52 16 23-0012	LF 6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	21.58	4.01
	<i>For SDR 13.5, Deduct</i>	-1.68	
	<i>For SDR 15.5, Deduct</i>	-3.09	
	<i>For Colors, Add</i>	1.08	
33 52 16 23-0013	LF 8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	31.60	5.01
	<i>For SDR 13.5, Deduct</i>	-2.80	
	<i>For SDR 15.5, Deduct</i>	-5.15	
	<i>For Colors, Add</i>	1.81	

**33 52 16 26 High Density Polyethylene Piping for Natural Gas (33 52 16)****33 52 16 26-0001 High Density Polyethylene (HDPE) Gas Distribution Piping (33 52 16 26)**

Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 26-0002	LF 1/2" Diameter, SDR 9 High Density Polyethylene (HDPE) Gas Distribution Pipe	3.53	1.58
33 52 16 26-0003	LF 3/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	3.93	1.68
	<i>For SDR 13.5, Deduct</i>	-0.09	
33 52 16 26-0004	LF 1" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	4.30	1.80
	<i>For SDR 13.5, Deduct</i>	-0.11	
33 52 16 26-0005	LF 1-1/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	4.72	1.92
	<i>For SDR 13.5, Deduct</i>	-0.13	
33 52 16 26-0006	LF 1-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	5.40	2.31
	<i>For SDR 13.5, Deduct</i>	-0.19	
33 52 16 26-0007	LF 2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	6.10	2.51
	<i>For SDR 13.5, Deduct</i>	-0.25	
	<i>For SDR 15.5, Deduct</i>	-0.46	
	<i>For SDR 17, Deduct</i>	-0.66	
33 52 16 26-0008	LF 2-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	7.66	2.94
	<i>For SDR 13.5, Deduct</i>	-0.41	
	<i>For SDR 15.5, Deduct</i>	-0.76	
	<i>For SDR 17, Deduct</i>	-1.10	
33 52 16 26-0009	LF 3" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	9.33	3.48
	<i>For SDR 13.5, Deduct</i>	-0.56	
	<i>For SDR 15.5, Deduct</i>	-1.04	
	<i>For SDR 17, Deduct</i>	-1.51	
	<i>For SDR 21, Deduct</i>	-2.06	
33 52 16 26-0010	LF 4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	15.03	4.01
	<i>For SDR 13.5, Deduct</i>	-1.04	
	<i>For SDR 15.5, Deduct</i>	-1.92	
	<i>For SDR 17, Deduct</i>	-2.78	
	<i>For SDR 21, Deduct</i>	-3.81	
33 52 16 26-0011	LF 6" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	22.94	4.01
	<i>For SDR 13.5, Deduct</i>	-1.85	
	<i>For SDR 15.5, Deduct</i>	-3.40	
	<i>For SDR 17, Deduct</i>	-4.94	
	<i>For SDR 21, Deduct</i>	-6.76	
33 52 16 26-0012	LF 8" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	33.86	5.01
	<i>For SDR 13.5, Deduct</i>	-3.08	
	<i>For SDR 15.5, Deduct</i>	-5.66	
	<i>For SDR 17, Deduct</i>	-8.22	
	<i>For SDR 21, Deduct</i>	-11.25	

**33 53 Hydrocarbon Utility Pressure Regulation (33 50)****33 53 16 Gas Hydrocarbon Pressure Regulation (33 53)****33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends (33 53 16)**

33 53 16 00-0002	EA 3/4" Gas Pressure Regulator, Screwed End	178.12	16.28
33 53 16 00-0003	EA 1" Gas Pressure Regulator, Screwed End	181.82	16.28
33 53 16 00-0004	EA 1-1/4" Gas Pressure Regulator, Screwed End	190.68	19.33
33 53 16 00-0005	EA 1-1/2" Gas Pressure Regulator, Screwed End	613.36	22.38
33 53 16 00-0006	EA 2" Gas Pressure Regulator, Screwed End	660.12	34.67

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 53 16 00-0007	EA		3" Gas Pressure Regulator, Screwed End.....	1,841.72	77.78
33 53 16 00-0008	EA		4" Gas Pressure Regulator, Screwed End.....	2,554.65	103.08

**33 56 Hydrocarbon Storage** (33 50)

**33 56 13 Aboveground Hydrocarbon Storage Tanks** (33 56)

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

**33 56 33 Underground Hydrocarbon Storage** (33 56)

See CSI section 23 13 13 00-0000 for underground storage tanks.

**33 59 Hydrocarbon Utility Metering** (33 50)

**33 59 11 Diaphragm/Bellows Hydrocarbons Meters** (33 59)

**33 59 11 00-0001 Diaphragm Meters** (33 59 11)

Note: With standard direct-digital reading maximum working pressures 5 lbs to 100 lbs, threaded connections. Excludes pressure and temperature compensation.

33 59 11 00-0002	EA		250 CF/Hour Gas Diaphragm Meter At 5 LB, Direct Digital, Threaded.....	452.58	63.72
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 59 11 00-0003	EA		425 CF/Hour Gas Diaphragm Meter At 10 LB, Direct Digital, Threaded.....	872.30	97.46
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 59 11 00-0004	EA		425 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	1,014.67	97.46
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 59 11 00-0005	EA		800 CF/Hour Gas Diaphragm Meter At 20 LB, Direct Digital, Threaded.....	2,156.23	121.82
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 59 11 00-0006	EA		1,000 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	2,447.83	149.94
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 59 11 00-0007	EA		800 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	3,173.48	121.82
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 59 11 00-0008	EA		1,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	3,542.51	149.94
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 59 11 00-0009	EA		1,400 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	4,653.08	159.31
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 59 11 00-0010	EA		2,300 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	6,562.89	187.42
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 59 11 00-0011	EA		5,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	10,040.76	309.25
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	

**33 59 16 Hydrocarbons Turbine Meters** (33 59)

**33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading** (33 59 16)

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002	EA		4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	8,131.48	328.21
33 59 16 00-0003	EA		6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	8,537.26	381.15
33 59 16 00-0004	EA		8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	13,167.32	407.51
33 59 16 00-0005	EA		10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	25,538.98	496.10
33 59 16 00-0006	EA		12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	42,381.04	620.11

**33 60 Hydronic and Steam Energy Utilities** (33)

**33 61 Hydronic Energy Distribution** (33 60)

**33 61 13 Buried Hydronic Energy Distribution** (33 61)

**33 61 13 00-0001 Prefabricated/Preinsulated Pipe** (33 61 13)

Note: Includes coupling per full length of pipe. Excludes excavation and backfill. See CSI section 23 01 20 91-0041 for purging of existing system.

**33 61 13 00-0002 Preinsulated Schedule 40 Black Steel Pipe** (33 61 13 00-0001)

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

**33 61 13 00-0003 Standard Black Steel Carrier Pipe** (33 61 13 00-0002)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0004	LF		3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	50.67	
			For High Density Polyethylene (HDPE) Jacket, Add	0.56	
			For Schedule 80 Pipe, Add	5.64	
33 61 13 00-0005	LF		1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	55.27	
			For High Density Polyethylene (HDPE) Jacket, Add	0.62	
			For Schedule 80 Pipe, Add	6.20	
33 61 13 00-0006	LF		1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	60.68	
			For High Density Polyethylene (HDPE) Jacket, Add	0.70	
			For Schedule 80 Pipe, Add	6.99	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
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33 61 13 00-0007	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	64.70	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.75	
		<i>For Schedule 80 Pipe, Add</i>	7.50	
33 61 13 00-0008	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	68.07	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.78	
		<i>For Schedule 80 Pipe, Add</i>	7.84	
33 61 13 00-0009	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	78.30	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.85	
		<i>For Schedule 80 Pipe, Add</i>	8.52	
33 61 13 00-0010	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	89.59	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.92	
		<i>For Schedule 80 Pipe, Add</i>	9.20	
33 61 13 00-0011	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	113.42	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.16	
		<i>For Schedule 80 Pipe, Add</i>	11.59	
33 61 13 00-0012	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	142.07	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.48	
		<i>For Schedule 80 Pipe, Add</i>	14.82	
33 61 13 00-0013	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	165.67	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.72	
		<i>For Schedule 80 Pipe, Add</i>	17.21	
33 61 13 00-0014	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	221.44	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.50	
		<i>For Schedule 80 Pipe, Add</i>	25.05	
33 61 13 00-0015	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	279.76	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.31	
		<i>For Schedule 80 Pipe, Add</i>	33.06	
33 61 13 00-0016	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	347.06	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.12	
		<i>For Schedule 80 Pipe, Add</i>	41.23	

**33 61 13 00-0017 Standard Black Steel Carrier Pipe** (33 61 13 00-0002)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0018	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	53.49	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
		<i>For Schedule 80 Pipe, Add</i>	6.20	
33 61 13 00-0019	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	58.37	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.68	
		<i>For Schedule 80 Pipe, Add</i>	6.82	
33 61 13 00-0020	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	64.17	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.77	
		<i>For Schedule 80 Pipe, Add</i>	7.68	
33 61 13 00-0021	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	68.44	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.82	
		<i>For Schedule 80 Pipe, Add</i>	8.25	
33 61 13 00-0022	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	71.99	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.86	
		<i>For Schedule 80 Pipe, Add</i>	8.62	
33 61 13 00-0023	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	82.56	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.94	
		<i>For Schedule 80 Pipe, Add</i>	9.37	
33 61 13 00-0024	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	94.19	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.01	
		<i>For Schedule 80 Pipe, Add</i>	10.12	
33 61 13 00-0025	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	119.22	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.27	
		<i>For Schedule 80 Pipe, Add</i>	12.75	
33 61 13 00-0026	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	149.48	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.63	
		<i>For Schedule 80 Pipe, Add</i>	16.31	
33 61 13 00-0027	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	174.27	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.89	
		<i>For Schedule 80 Pipe, Add</i>	18.93	
33 61 13 00-0028	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	233.96	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.76	
		<i>For Schedule 80 Pipe, Add</i>	27.55	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0029	LF		10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	296.29	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.64	
				<i>For Schedule 80 Pipe, Add</i>	36.36	
33 61	13 00-0030	LF		12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	367.68	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.54	
				<i>For Schedule 80 Pipe, Add</i>	45.36	
<b>33 61</b>	<b>13 00-0031</b>			<b>Standard Black Steel Carrier Pipe</b> <small>(33 61 13 00-0002)</small>		
				Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0032	LF		3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	54.90	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
				<i>For Schedule 80 Pipe, Add</i>	6.49	
33 61	13 00-0033	LF		1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	59.92	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.71	
				<i>For Schedule 80 Pipe, Add</i>	7.13	
33 61	13 00-0034	LF		1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	65.92	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.80	
				<i>For Schedule 80 Pipe, Add</i>	8.03	
33 61	13 00-0035	LF		1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	70.32	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.86	
				<i>For Schedule 80 Pipe, Add</i>	8.62	
33 61	13 00-0036	LF		2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	73.95	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.90	
				<i>For Schedule 80 Pipe, Add</i>	9.01	
33 61	13 00-0037	LF		2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	84.69	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.98	
				<i>For Schedule 80 Pipe, Add</i>	9.80	
33 61	13 00-0038	LF		3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	96.49	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.06	
				<i>For Schedule 80 Pipe, Add</i>	10.58	
33 61	13 00-0039	LF		4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	122.11	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.33	
				<i>For Schedule 80 Pipe, Add</i>	13.32	
33 61	13 00-0040	LF		5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	153.19	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.70	
				<i>For Schedule 80 Pipe, Add</i>	17.05	
33 61	13 00-0041	LF		6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	178.58	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.98	
				<i>For Schedule 80 Pipe, Add</i>	19.79	
33 61	13 00-0042	LF		8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	240.22	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.88	
				<i>For Schedule 80 Pipe, Add</i>	28.80	
33 61	13 00-0043	LF		10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	304.55	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.80	
				<i>For Schedule 80 Pipe, Add</i>	38.01	
33 61	13 00-0044	LF		12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	377.99	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.74	
				<i>For Schedule 80 Pipe, Add</i>	47.42	
<b>33 61</b>	<b>13 00-0045</b>			<b>Standard Black Steel Carrier Pipe</b> <small>(33 61 13 00-0002)</small>		
				Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0046	LF		3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.02	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.69	
				<i>For Schedule 80 Pipe, Add</i>	6.91	
33 61	13 00-0047	LF		1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	62.25	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.76	
				<i>For Schedule 80 Pipe, Add</i>	7.60	
33 61	13 00-0048	LF		1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	68.54	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.86	
				<i>For Schedule 80 Pipe, Add</i>	8.56	
33 61	13 00-0049	LF		1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	73.13	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.92	
				<i>For Schedule 80 Pipe, Add</i>	9.18	
33 61	13 00-0050	LF		2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	76.89	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.96	
				<i>For Schedule 80 Pipe, Add</i>	9.60	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0051	LF		2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	87.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.04	
			<i>For Schedule 80 Pipe, Add</i>	10.44	
33 61 13 00-0052	LF		3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	99.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.13	
			<i>For Schedule 80 Pipe, Add</i>	11.27	
33 61 13 00-0053	LF		4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	126.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.42	
			<i>For Schedule 80 Pipe, Add</i>	14.19	
33 61 13 00-0054	LF		5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	158.75	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.82	
			<i>For Schedule 80 Pipe, Add</i>	18.16	
33 61 13 00-0055	LF		6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	185.03	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.11	
			<i>For Schedule 80 Pipe, Add</i>	21.08	
33 61 13 00-0056	LF		8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	249.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.07	
			<i>For Schedule 80 Pipe, Add</i>	30.68	
33 61 13 00-0057	LF		10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	316.95	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.05	
			<i>For Schedule 80 Pipe, Add</i>	40.49	
33 61 13 00-0058	LF		12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	393.45	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.05	
			<i>For Schedule 80 Pipe, Add</i>	50.51	
33 61 13 00-0059			<b>Preinsulated Black Steel Fittings</b> (33 61 13 00-0001) Note: No excavation or backfill.		
33 61 13 00-0060			<b>Elbows</b> (33 61 13 00-0059)		
33 61 13 00-0061			<b>Elbows</b> (33 61 13 00-0060) Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0062	EA		3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	392.57	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.79	
33 61 13 00-0063	EA		1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	407.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.93	
33 61 13 00-0064	EA		1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	468.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.75	
33 61 13 00-0065	EA		1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	528.18	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.36	
33 61 13 00-0066	EA		2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	623.56	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.67	
33 61 13 00-0067	EA		2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	749.91	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.97	
33 61 13 00-0068	EA		3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	871.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.20	
33 61 13 00-0069	EA		4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,017.11	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.73	
33 61 13 00-0070	EA		5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,204.23	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.80	
33 61 13 00-0071	EA		6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,323.54	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.68	
33 61 13 00-0072	EA		8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,853.66	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.66	
33 61 13 00-0073	EA		10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,533.17	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.97	
33 61 13 00-0074	EA		12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,219.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	38.34	
33 61 13 00-0075			<b>Elbows</b> (33 61 13 00-0060) Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0076	EA		3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	414.29	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.23	
33 61 13 00-0077	EA		1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	429.57	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61	13 00-0078	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	493.68	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		7.25
33 61	13 00-0079	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	555.78	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		7.91
33 61	13 00-0080	EA	2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	652.32	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		8.24
33 61	13 00-0081	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	779.81	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		8.57
33 61	13 00-0082	EA	3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	906.01	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		9.89
33 61	13 00-0083	EA	4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,057.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		11.54
33 61	13 00-0084	EA	5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,255.98	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		14.84
33 61	13 00-0085	EA	6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,382.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		16.85
33 61	13 00-0086	EA	8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,938.64	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		24.36
33 61	13 00-0087	EA	10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,641.80	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		31.14
33 61	13 00-0088	EA	12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,363.10	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		41.21

**33 61 13 00-0089 Elbows** (33 61 13 00-0060)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0090	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	436.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		6.66
33 61	13 00-0091	EA	1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	451.80	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		6.82
33 61	13 00-0092	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	518.98	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		7.76
33 61	13 00-0093	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	583.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		8.47
33 61	13 00-0094	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	681.07	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		8.82
33 61	13 00-0095	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	809.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		9.17
33 61	13 00-0096	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	940.52	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		10.58
33 61	13 00-0097	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,097.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		12.35
33 61	13 00-0098	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,307.74	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		15.87
33 61	13 00-0099	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,441.12	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		18.03
33 61	13 00-0100	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,023.63	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		26.06
33 61	13 00-0101	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,750.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		33.31
33 61	13 00-0102	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,506.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		44.09

**33 61 13 00-0103 Elbows** (33 61 13 00-0060)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0104	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	457.74	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		7.10
33 61	13 00-0105	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	474.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		7.26
33 61	13 00-0106	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	544.29	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		8.27

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 61 13 00-0107	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		610.99	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		9.02	
33 61 13 00-0108	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		709.82	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		9.39	
33 61 13 00-0109	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		839.62	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		9.77	
33 61 13 00-0110	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		975.02	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		11.27	
33 61 13 00-0111	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		1,137.87	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		13.15	
33 61 13 00-0112	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		1,359.50	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		16.91	
33 61 13 00-0113	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		1,499.90	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		19.20	
33 61 13 00-0114	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		2,108.61	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		27.76	
33 61 13 00-0115	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		2,859.05	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		35.48	
33 61 13 00-0116	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		3,650.64	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		46.96	
33 61 13 00-0117		<b>Tees</b> <small>(33 61 13 00-0059)</small>			
33 61 13 00-0118		<b>Tees</b> <small>(33 61 13 00-0117)</small>			
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0119	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		584.44	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		8.60	
33 61 13 00-0120	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		606.41	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		8.81	
33 61 13 00-0121	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		697.34	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		10.02	
33 61 13 00-0122	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		786.53	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		10.93	
33 61 13 00-0123	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		929.15	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		11.39	
33 61 13 00-0124	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		1,118.25	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		11.84	
33 61 13 00-0125	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		1,300.37	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		13.66	
33 61 13 00-0126	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		1,517.60	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		15.94	
33 61 13 00-0127	EA	5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		1,798.70	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		20.50	
33 61 13 00-0128	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		1,974.31	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		23.28	
33 61 13 00-0129	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		2,762.15	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		33.65	
33 61 13 00-0130	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		3,779.95	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		43.02	
33 61 13 00-0131	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		4,800.25	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		56.93	
33 61 13 00-0132		<b>Tees</b> <small>(33 61 13 00-0117)</small>			
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0133	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		616.71	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		9.25	
33 61 13 00-0134	EA	1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		639.43	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		9.47	
33 61 13 00-0135	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		734.92	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		10.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61	13 00-0136	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	827.52	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	11.75	
33 61	13 00-0137	EA	2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	971.85	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	12.24	
33 61	13 00-0138	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,162.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	12.73	
33 61	13 00-0139	EA	3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,351.61	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	14.69	
33 61	13 00-0140	EA	4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,577.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	17.14	
33 61	13 00-0141	EA	5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,875.56	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	22.03	
33 61	13 00-0142	EA	6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,061.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	25.02	
33 61	13 00-0143	EA	8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,888.35	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	36.18	
33 61	13 00-0144	EA	10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,941.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	46.24	
33 61	13 00-0145	EA	12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,013.75	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	61.20	

**33 61 13 00-0146 Tees** (33 61 13 00-0117)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0147	EA	3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	648.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	9.89	
33 61	13 00-0148	EA	1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	672.45	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	10.13	
33 61	13 00-0149	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	772.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	11.52	
33 61	13 00-0150	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	868.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	12.57	
33 61	13 00-0151	EA	2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,014.55	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	13.09	
33 61	13 00-0152	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,207.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	13.62	
33 61	13 00-0153	EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,402.85	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	15.71	
33 61	13 00-0154	EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,637.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	18.33	
33 61	13 00-0155	EA	5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,952.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	23.57	
33 61	13 00-0156	EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,148.90	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	26.77	
33 61	13 00-0157	EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,014.56	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	38.70	
33 61	13 00-0158	EA	10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,102.57	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	49.47	
33 61	13 00-0159	EA	12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,227.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	65.47	

**33 61 13 00-0160 Tees** (33 61 13 00-0117)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0161	EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	681.23	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	10.54	
33 61	13 00-0162	EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	705.47	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	10.79	
33 61	13 00-0163	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	810.07	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	12.27	
33 61	13 00-0164	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	909.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	13.39	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0165	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,057.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.95	
33 61	13 00-0166	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,251.47	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.51	
33 61	13 00-0167	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,454.08	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.74	
33 61	13 00-0168	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,696.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.53	
33 61	13 00-0169	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,029.28	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.11	
33 61	13 00-0170	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,236.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.52	
33 61	13 00-0171	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,140.76	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	41.23	
33 61	13 00-0172	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,263.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.69	
33 61	13 00-0173	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,440.74	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	69.74	
<b>33 61</b>	<b>13 00-0174</b>		<b>Reducers</b> <small>(33 61 13 00-0059)</small>		
<b>33 61</b>	<b>13 00-0175</b>		<b>Reducers</b> <small>(33 61 13 00-0174)</small>		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0176	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	333.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.81	
33 61	13 00-0177	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	345.82	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.92	
33 61	13 00-0178	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	397.93	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.60	
33 61	13 00-0179	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	449.52	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.11	
33 61	13 00-0180	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	534.27	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.36	
33 61	13 00-0181	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	654.90	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.62	
33 61	13 00-0182	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	755.47	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.64	
33 61	13 00-0183	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	877.61	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.91	
33 61	13 00-0184	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,035.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.46	
33 61	13 00-0185	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,136.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.01	
33 61	13 00-0186	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,589.13	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.81	
33 61	13 00-0187	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,178.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.04	
33 61	13 00-0188	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,761.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.82	
<b>33 61</b>	<b>13 00-0189</b>		<b>Reducers</b> <small>(33 61 13 00-0174)</small>		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0190	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	351.10	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.17	
33 61	13 00-0191	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	364.28	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.29	
33 61	13 00-0192	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	418.93	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.02	
33 61	13 00-0193	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	472.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.57	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61	13 00-0194	EA		2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	558.13	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.84	
33 61	13 00-0195	EA		2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	679.72	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.12	
33 61	13 00-0196	EA		3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	784.11	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.21	
33 61	13 00-0197	EA		4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	911.02	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.58	
33 61	13 00-0198	EA		5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,078.61	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.31	
33 61	13 00-0199	EA		6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,185.30	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.99	
33 61	13 00-0200	EA		8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,659.67	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.22	
33 61	13 00-0201	EA		10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,269.10	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.85	
33 61	13 00-0202	EA		12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,880.57	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.21	

**33 61 13 00-0203 Reducers** (33 61 13 00-0174)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0204	EA		3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	369.13	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.53	
33 61	13 00-0205	EA		1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	382.73	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.66	
33 61	13 00-0206	EA		1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	439.94	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.44	
33 61	13 00-0207	EA		1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	495.34	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.03	
33 61	13 00-0208	EA		2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	582.00	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.32	
33 61	13 00-0209	EA		2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	704.54	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.61	
33 61	13 00-0210	EA		3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	812.75	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.78	
33 61	13 00-0211	EA		4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	944.43	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.25	
33 61	13 00-0212	EA		5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,121.57	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.17	
33 61	13 00-0213	EA		6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,234.09	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.96	
33 61	13 00-0214	EA		8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,730.20	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.63	
33 61	13 00-0215	EA		10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,359.25	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.65	
33 61	13 00-0216	EA		12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,999.90	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.59	

**33 61 13 00-0217 Reducers** (33 61 13 00-0174)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0218	EA		3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	387.16	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.89	
33 61	13 00-0219	EA		1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	401.19	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.03	
33 61	13 00-0220	EA		1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	460.94	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.86	
33 61	13 00-0221	EA		1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	518.25	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.48	
33 61	13 00-0222	EA		2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	605.86	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.80	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0223	EA		2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	729.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.11	
33 61 13 00-0224	EA		3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	841.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.36	
33 61 13 00-0225	EA		4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	977.85	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.91	
33 61 13 00-0226	EA		5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,164.53	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.03	
33 61 13 00-0227	EA		6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,282.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.94	
33 61 13 00-0228	EA		8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,800.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.04	
33 61 13 00-0229	EA		10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,449.41	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.45	
33 61 13 00-0230	EA		12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,119.23	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	38.98	
33 61 13 00-0231			<b>Preinsulated Type K Copper Pipe</b> <small>(33 61 13 00-0001)</small> Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0232			<b>Type K Copper Carrier Pipe</b> <small>(33 61 13 00-0231)</small> Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0233	LF		3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	43.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.41	
33 61 13 00-0234	LF		1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	47.30	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.45	
33 61 13 00-0235	LF		1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	51.68	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.51	
33 61 13 00-0236	LF		1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	55.01	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.54	
33 61 13 00-0237	LF		2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.57	
33 61 13 00-0238	LF		2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	67.41	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
33 61 13 00-0239	LF		3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	77.93	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
33 61 13 00-0240	LF		4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	98.77	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.84	
33 61 13 00-0241	LF		5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	123.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.07	
33 61 13 00-0242	LF		6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	143.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.25	
33 61 13 00-0243	LF		8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	189.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.82	
33 61 13 00-0244	LF		10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	236.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.40	
33 61 13 00-0245	LF		12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	293.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.99	
33 61 13 00-0246			<b>Type K Copper Carrier Pipe</b> <small>(33 61 13 00-0231)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0247	LF		3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	45.47	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.45	
33 61 13 00-0248	LF		1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	49.54	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.49	
33 61 13 00-0249	LF		1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	54.21	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.56	
33 61 13 00-0250	LF		1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.60	
33 61 13 00-0251	LF		2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	60.80	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61	13 00-0252	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	70.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.68	
33 61	13 00-0253	LF	3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	81.27	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.73	
33 61	13 00-0254	LF	4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	102.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.92	
33 61	13 00-0255	LF	5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	128.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.18	
33 61	13 00-0256	LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	150.07	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.37	
33 61	13 00-0257	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	198.28	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.00	
33 61	13 00-0258	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	248.91	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.64	
33 61	13 00-0259	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	308.54	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.29	

**33 61 13 00-0260 Type K Copper Carrier Pipe** (33 61 13 00-0231)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0261	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	46.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.47	
33 61	13 00-0262	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	50.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.52	
33 61	13 00-0263	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	55.48	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.58	
33 61	13 00-0264	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	59.09	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.63	
33 61	13 00-0265	LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	62.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
33 61	13 00-0266	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	72.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.71	
33 61	13 00-0267	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	82.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.77	
33 61	13 00-0268	LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	105.07	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.97	
33 61	13 00-0269	LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	131.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.24	
33 61	13 00-0270	LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	153.19	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.43	
33 61	13 00-0271	LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	202.82	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.09	
33 61	13 00-0272	LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	254.90	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.76	
33 61	13 00-0273	LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	316.01	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.44	

**33 61 13 00-0274 Type K Copper Carrier Pipe** (33 61 13 00-0231)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0275	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	48.03	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.50	
33 61	13 00-0276	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	52.35	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.55	
33 61	13 00-0277	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.37	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
33 61	13 00-0278	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	61.12	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
33 61	13 00-0279	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	64.35	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.70	
33 61	13 00-0280	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	74.35	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.76	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0281	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	85.44	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.82	
33 61	13 00-0282	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	108.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.03	
33 61	13 00-0283	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	135.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.32	
33 61	13 00-0284	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	157.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.53	
33 61	13 00-0285	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	209.63	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.22	
33 61	13 00-0286	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	263.89	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.94	
33 61	13 00-0287	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	327.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.66	
<b>33 61</b>	<b>13 00-0288</b>		<b>Preinsulated Copper Fittings (33 61 13 00-0001)</b>		
<b>33 61</b>	<b>13 00-0289</b>		<b>Elbows (33 61 13 00-0288)</b>		
<b>33 61</b>	<b>13 00-0290</b>		<b>Elbows (33 61 13 00-0289)</b>		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0291	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	322.45	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.66	
33 61	13 00-0292	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	334.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.77	
33 61	13 00-0293	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	385.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.43	
33 61	13 00-0294	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	435.24	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.92	
33 61	13 00-0295	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	517.19	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.17	
33 61	13 00-0296	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	626.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.41	
33 61	13 00-0297	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	727.78	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.40	
33 61	13 00-0298	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	849.35	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.63	
33 61	13 00-0299	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,002.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.10	
33 61	13 00-0300	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,099.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.61	
33 61	13 00-0301	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,537.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.23	
33 61	13 00-0302	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,108.08	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.30	
33 61	13 00-0303	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,674.24	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.83	
<b>33 61</b>	<b>13 00-0304</b>		<b>Elbows (33 61 13 00-0289)</b>		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0305	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	339.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.01	
33 61	13 00-0306	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	352.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.13	
33 61	13 00-0307	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	405.61	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.83	
33 61	13 00-0308	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	457.44	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.36	
33 61	13 00-0309	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	540.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.63	
33 61	13 00-0310	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	650.09	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61 13 00-0311	EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		755.53	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		7.96	
33 61 13 00-0312	EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		881.72	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		9.28	
33 61 13 00-0313	EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,043.67	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		11.93	
33 61 13 00-0314	EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,147.00	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		13.55	
33 61 13 00-0315	EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,606.22	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		19.59	
33 61 13 00-0316	EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,195.44	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		25.04	
33 61 13 00-0317	EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,789.87	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		33.15	

**33 61 13 00-0318 Elbows** (33 61 13 00-0289)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0319	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		357.39	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		5.36	
33 61 13 00-0320	EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		370.61	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		5.48	
33 61 13 00-0321	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		425.96	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		6.24	
33 61 13 00-0322	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		479.64	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		6.81	
33 61 13 00-0323	EA	2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		563.44	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		7.09	
33 61 13 00-0324	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		674.14	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		7.38	
33 61 13 00-0325	EA	3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		783.28	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		8.51	
33 61 13 00-0326	EA	4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		914.10	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		9.93	
33 61 13 00-0327	EA	5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,085.29	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		12.77	
33 61 13 00-0328	EA	6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,194.51	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		14.50	
33 61 13 00-0329	EA	8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,674.44	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		20.96	
33 61 13 00-0330	EA	10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,282.42	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		26.79	
33 61 13 00-0331	EA	12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,905.77	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		35.46	

**33 61 13 00-0332 Elbows** (33 61 13 00-0289)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0333	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		374.87	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		5.71	
33 61 13 00-0334	EA	1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		388.49	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		5.84	
33 61 13 00-0335	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		446.31	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		6.65	
33 61 13 00-0336	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		501.84	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		7.25	
33 61 13 00-0337	EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		586.57	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		7.55	
33 61 13 00-0338	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		698.19	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		7.86	
33 61 13 00-0339	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		811.03	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		9.07	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0340	EA		4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	946.47	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.58	
33 61 13 00-0341	EA		5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,126.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.60	
33 61 13 00-0342	EA		6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,241.79	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.44	
33 61 13 00-0343	EA		8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,742.79	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.33	
33 61 13 00-0344	EA		10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,369.79	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.54	
33 61 13 00-0345	EA		12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,021.40	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.77	
<b>33 61 13 00-0346</b>			<b>Tees</b> <small>(33 61 13 00-0288)</small>		
<b>33 61 13 00-0347</b>			<b>Tees</b> <small>(33 61 13 00-0346)</small>		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0348	EA		3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	480.13	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.92	
33 61 13 00-0349	EA		1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	498.55	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.08	
33 61 13 00-0350	EA		1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	573.66	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.06	
33 61 13 00-0351	EA		1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	648.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.79	
33 61 13 00-0352	EA		2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	770.76	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.16	
33 61 13 00-0353	EA		2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	933.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.52	
33 61 13 00-0354	EA		3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,086.14	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.99	
33 61 13 00-0355	EA		4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,267.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.82	
33 61 13 00-0356	EA		5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,497.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.48	
33 61 13 00-0357	EA		6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,640.70	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.72	
33 61 13 00-0358	EA		8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,291.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.07	
33 61 13 00-0359	EA		10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,146.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.60	
33 61 13 00-0360	EA		12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,988.24	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.79	
<b>33 61 13 00-0361</b>			<b>Tees</b> <small>(33 61 13 00-0346)</small>		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0362	EA		3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	506.07	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.44	
33 61 13 00-0363	EA		1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	525.10	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.61	
33 61 13 00-0364	EA		1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	603.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.66	
33 61 13 00-0365	EA		1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	681.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.45	
33 61 13 00-0366	EA		2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	805.11	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.84	
33 61 13 00-0367	EA		2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	969.44	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.24	
33 61 13 00-0368	EA		3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,127.35	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61 13 00-0369	EA	4"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,315.68	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.78	
33 61 13 00-0370	EA	5"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,558.98	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.72	
33 61 13 00-0371	EA	6"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,710.91	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.13	
33 61 13 00-0372	EA	8"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,393.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.10	
33 61 13 00-0373	EA	10"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,275.99	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.19	
33 61 13 00-0374	EA	12"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,159.95	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.22	

**33 61 13 00-0375**

**Tees**

(33 61 13 00-0348)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0376	EA	3/4"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	532.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.96	
33 61 13 00-0377	EA	1"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	551.66	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.14	
33 61 13 00-0378	EA	1-1/4"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	634.10	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.27	
33 61 13 00-0379	EA	1-1/2"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	714.18	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.11	
33 61 13 00-0380	EA	2"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	839.45	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.53	
33 61 13 00-0381	EA	2-1/2"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,005.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.95	
33 61 13 00-0382	EA	3"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,168.56	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.64	
33 61 13 00-0383	EA	4"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,363.75	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.74	
33 61 13 00-0384	EA	5"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,620.79	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.96	
33 61 13 00-0385	EA	6"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,781.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.53	
33 61 13 00-0386	EA	8"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,493.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.13	
33 61 13 00-0387	EA	10"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,403.54	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.79	
33 61 13 00-0388	EA	12"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,334.17	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.66	

**33 61 13 00-0389**

**Tees**

(33 61 13 00-0348)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0390	EA	3/4"	Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	557.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.48	
33 61 13 00-0391	EA	1"	Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	578.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.68	
33 61 13 00-0392	EA	1-1/4"	Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	664.32	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.87	
33 61 13 00-0393	EA	1-1/2"	Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	747.15	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.77	
33 61 13 00-0394	EA	2"	Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	873.79	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.22	
33 61 13 00-0395	EA	2-1/2"	Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,040.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.67	
33 61 13 00-0396	EA	3"	Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,209.77	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.46	
33 61 13 00-0397	EA	4"	Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,411.83	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.71	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 61 13 00-0398	EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		1,682.60	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		20.19	
33 61 13 00-0399	EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		1,851.67	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		22.94	
33 61 13 00-0400	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		2,595.44	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		33.16	
33 61 13 00-0401	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		3,533.28	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		42.38	
33 61 13 00-0402	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		4,505.87	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		56.09	
<b>33 61 13 00-0403</b>		<b>Reducers</b> <small>(33 61 13 00-0288)</small>			
<b>33 61 13 00-0404</b>		<b>Reducers</b> <small>(33 61 13 00-0403)</small>			
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0405	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		273.91	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		3.87	
33 61 13 00-0406	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		284.64	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		3.96	
33 61 13 00-0407	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		327.74	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		4.50	
33 61 13 00-0408	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		370.93	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		4.91	
33 61 13 00-0409	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		443.79	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		5.12	
33 61 13 00-0410	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		547.86	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		5.32	
33 61 13 00-0411	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		631.98	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		6.14	
33 61 13 00-0412	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		734.02	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		7.17	
33 61 13 00-0413	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		863.17	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		9.21	
33 61 13 00-0414	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		945.78	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		10.46	
33 61 13 00-0415	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		1,320.38	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		15.13	
33 61 13 00-0416	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		1,816.22	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		19.34	
33 61 13 00-0417	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		2,297.18	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		25.59	
<b>33 61 13 00-0418</b>		<b>Reducers</b> <small>(33 61 13 00-0403)</small>			
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0419	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		288.42	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		4.16	
33 61 13 00-0420	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		299.49	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		4.26	
33 61 13 00-0421	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		344.63	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		4.84	
33 61 13 00-0422	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		389.36	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		5.28	
33 61 13 00-0423	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		462.99	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		5.50	
33 61 13 00-0424	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		567.82	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		5.72	
33 61 13 00-0425	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		655.01	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		6.60	
33 61 13 00-0426	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....		760.89	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		7.70	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61	13 00-0427	EA		5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	897.72	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.90	
33 61	13 00-0428	EA		6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	985.02	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.25	
33 61	13 00-0429	EA		8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,377.11	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.26	
33 61	13 00-0430	EA		10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,888.73	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.79	
33 61	13 00-0431	EA		12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,393.15	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.51	

**33 61 13 00-0432 Reducers** (33 61 13 00-0403)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0433	EA		3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	302.92	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.45	
33 61	13 00-0434	EA		1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	314.33	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.65	
33 61	13 00-0435	EA		1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	361.52	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.18	
33 61	13 00-0436	EA		1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	407.79	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.65	
33 61	13 00-0437	EA		2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	482.18	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.89	
33 61	13 00-0438	EA		2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	587.78	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.12	
33 61	13 00-0439	EA		3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	678.04	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.06	
33 61	13 00-0440	EA		4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	787.76	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.24	
33 61	13 00-0441	EA		5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	932.27	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.60	
33 61	13 00-0442	EA		6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,024.45	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.03	
33 61	13 00-0443	EA		8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,433.51	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.40	
33 61	13 00-0444	EA		10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,960.94	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.24	
33 61	13 00-0445	EA		12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,489.34	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.43	

**33 61 13 00-0446 Reducers** (33 61 13 00-0403)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0447	EA		3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	317.42	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.74	
33 61	13 00-0448	EA		1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	329.17	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.85	
33 61	13 00-0449	EA		1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	378.41	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.52	
33 61	13 00-0450	EA		1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	426.21	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.02	
33 61	13 00-0451	EA		2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	501.37	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.27	
33 61	13 00-0452	EA		2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	607.74	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.52	
33 61	13 00-0453	EA		3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	701.08	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.52	
33 61	13 00-0454	EA		4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	814.64	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.78	
33 61	13 00-0455	EA		5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	966.82	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.29	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0456	EA	6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,063.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.82	
33 61	13 00-0457	EA	8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,490.24	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.53	
33 61	13 00-0458	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,033.45	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.69	
33 61	13 00-0459	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,585.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.35	
33 61	13 00-0460		<b>Preinsulated Ductile Iron Carrier Pipe</b> (33 61 13 00-0001) Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61	13 00-0461		<b>Ductile Iron Carrier Pipe</b> (33 61 13 00-0460) Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0462	LF	4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	142.23	
33 61	13 00-0463	LF	6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	207.97	
33 61	13 00-0464	LF	8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	279.52	
33 61	13 00-0465	LF	10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	354.21	
33 61	13 00-0466	LF	12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	439.60	
33 61	13 00-0467		<b>Ductile Iron Carrier Pipe</b> (33 61 13 00-0460) Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0468	LF	4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	150.97	
33 61	13 00-0469	LF	6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	220.95	
33 61	13 00-0470	LF	8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	298.42	
33 61	13 00-0471	LF	10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	379.16	
33 61	13 00-0472	LF	12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	470.72	
33 61	13 00-0473	LF	14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	514.63	
33 61	13 00-0474	LF	16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	578.95	
33 61	13 00-0475	LF	18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	650.56	
33 61	13 00-0476	LF	20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	715.26	
33 61	13 00-0477	LF	24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	845.00	
33 61	13 00-0478		<b>Preinsulated Ductile Iron Fittings</b> (33 61 13 00-0001)		
33 61	13 00-0479		<b>Elbows</b> (33 61 13 00-0478)		
33 61	13 00-0480		<b>Elbows</b> (33 61 13 00-0479) Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0481	EA	4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,254.39	
33 61	13 00-0482	EA	6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,670.05	
33 61	13 00-0483	EA	8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,354.59	
33 61	13 00-0484	EA	10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,173.46	
33 61	13 00-0485	EA	12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,066.78	
33 61	13 00-0486		<b>Elbows</b> (33 61 13 00-0479) Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0487	EA	4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,362.39	
33 61	13 00-0488	EA	6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,827.77	
33 61	13 00-0489	EA	8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,582.60	
33 61	13 00-0490	EA	10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,464.90	
33 61	13 00-0491	EA	12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,452.50	
33 61	13 00-0492	EA	14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,415.08	
33 61	13 00-0493	EA	16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	6,399.68	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 61	13 00-0494	EA	18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	7,987.24	
	33 61	13 00-0495	EA	20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	10,133.86	
	33 61	13 00-0496	EA	24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	13,132.45	
	<b>33 61</b>	<b>13 00-0497</b>		<b>Tees</b> <small>(33 61 13 00-0497)</small>		
	<b>33 61</b>	<b>13 00-0498</b>		<b>Tees</b> <small>(33 61 13 00-0497)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61	13 00-0499	EA	4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,869.97	
	33 61	13 00-0500	EA	6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,488.88	
	33 61	13 00-0501	EA	8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,506.04	
	33 61	13 00-0502	EA	10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,730.79	
	33 61	13 00-0503	EA	12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	6,058.71	
	<b>33 61</b>	<b>13 00-0504</b>		<b>Tees</b> <small>(33 61 13 00-0497)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61	13 00-0505	EA	4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,030.35	
	33 61	13 00-0506	EA	6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,723.09	
	33 61	13 00-0507	EA	8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,844.63	
	33 61	13 00-0508	EA	10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,163.57	
	33 61	13 00-0509	EA	12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	6,631.51	
	33 61	13 00-0510	EA	14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	7,913.29	
	33 61	13 00-0511	EA	16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	9,355.07	
	33 61	13 00-0512	EA	18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	11,677.38	
	33 61	13 00-0513	EA	20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	14,823.37	
	33 61	13 00-0514	EA	24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	19,205.14	
	<b>33 61</b>	<b>13 00-0515</b>		<b>Reducers</b> <small>(33 61 13 00-0478)</small>		
	<b>33 61</b>	<b>13 00-0516</b>		<b>Reducers</b> <small>(33 61 13 00-0515)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61	13 00-0517	EA	4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,074.56	
	33 61	13 00-0518	EA	6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,424.11	
	33 61	13 00-0519	EA	8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,004.91	
	33 61	13 00-0520	EA	10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,710.38	
	33 61	13 00-0521	EA	12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,464.63	
	<b>33 61</b>	<b>13 00-0522</b>		<b>Reducers</b> <small>(33 61 13 00-0515)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61	13 00-0523	EA	4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,164.20	
	33 61	13 00-0524	EA	6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,555.01	
	33 61	13 00-0525	EA	8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,194.15	
	33 61	13 00-0526	EA	10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,952.27	
	33 61	13 00-0527	EA	12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,784.78	
	33 61	13 00-0528	EA	14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,511.14	
	33 61	13 00-0529	EA	16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,326.09	
	33 61	13 00-0530	EA	18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	6,606.14	
	33 61	13 00-0531	EA	20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	8,439.51	
	33 61	13 00-0532	EA	24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	10,962.64	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0533	Tempered Water Piping Pre-Insulated (33 61 13 00-0001)	
33 61 13 00-0534	Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation (33 61 13 00-0533)	
33 61 13 00-0535 LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation.....	68.54 20.04
33 61 13 00-0536 LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation.....	84.39 22.39
33 61 13 00-0537 LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation.....	114.10 24.71
33 61 13 00-0538 LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation.....	153.46 30.88
33 61 13 00-0539 LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation.....	195.63 38.08
33 61 13 00-0540	Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation (33 61 13 00-0533)	
33 61 13 00-0541 LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	44.70 22.39
33 61 13 00-0542 LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	48.35 22.39
33 61 13 00-0543 LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	51.74 22.39
33 61 13 00-0544 LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	62.20 26.47
33 61 13 00-0545 LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	75.80 33.60
33 61 13 00-0546	Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation (33 61 13 00-0533)	
33 61 13 00-0547 LF	4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation.....	44.70 22.39
33 61 13 00-0548 LF	6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation.....	48.35 22.39
33 61 13 00-0549 LF	8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation.....	51.74 22.39
33 61 13 00-0550 LF	10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation.....	62.20 26.47
33 61 13 00-0551 LF	12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation.....	75.80 33.60

**33 70 Electrical Utilities (33)****33 71 Electrical Utility Transmission and Distribution (33 70)****33 71 19 Electrical Underground Ducts, Ductbanks and Manholes (33 71)**

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

**33 71 19 13 Electrical Manholes and Handholes (33 71 19)****33 71 19 13-0001 Electrical Handholes And Pull Boxes (33 71 19 13)****33 71 19 13-0002 Electrical Pull Boxes (33 71 19 13-0001)**

See CSI section 33 05 63 00-0427 for handholes.

33 71 19 13-0003 EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete.....	1,556.14
33 71 19 13-0004 EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete.....	1,841.72
33 71 19 13-0005 EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete.....	2,112.75
33 71 19 13-0006 EA	36" x 72" x 24", Electric Pull Boxes, Precast Concrete.....	3,179.37
33 71 19 13-0007 EA	36" x 60" x 36", Electric Pull Boxes, Precast Concrete.....	3,367.51
33 71 19 13-0008 EA	48" x 48" x 36", Electric Pull Boxes, Precast Concrete.....	3,609.66
33 71 19 13-0009 EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete.....	4,144.62

**33 71 19 13-0010 Electrical Pull Boxes (CALTRANS) (33 71 19 13-0001)**

33 71 19 13-0011 EA	Body, CALTRANS 3-1/2 Precast Concrete Pull Box.....	109.15
33 71 19 13-0012 EA	Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box .....	41.14
33 71 19 13-0013 EA	Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box .....	64.34
33 71 19 13-0014 EA	Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	130.73
33 71 19 13-0015 EA	Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box .....	199.57
	<i>For Galvanized Steel Cover, Add</i>	33.32
33 71 19 13-0016 EA	12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box .....	53.75
33 71 19 13-0017 EA	Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box.....	53.75
33 71 19 13-0018 EA	Body, CALTRANS 5 Precast Concrete Pull Box .....	157.00
33 71 19 13-0019 EA	Concrete Cover, CALTRANS 5 Precast Concrete Pull Box .....	54.17
33 71 19 13-0020 EA	Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	77.38
33 71 19 13-0021 EA	Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box .....	263.11
	<i>For Galvanized Steel Cover, Add</i>	61.10
33 71 19 13-0022 EA	12" Extension, CALTRANS 5 Precast Concrete Pull Box .....	74.12
33 71 19 13-0023 EA	Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box .....	69.64
33 71 19 13-0024 EA	Body, CALTRANS 6 Precast Concrete Pull Box .....	170.03
33 71 19 13-0025 EA	Concrete Cover, CALTRANS 6 Precast Concrete Pull Box .....	71.69
33 71 19 13-0026 EA	Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box .....	94.89
33 71 19 13-0027 EA	Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box .....	359.23
	<i>For Galvanized Steel Cover, Add</i>	85.53
33 71 19 13-0028 EA	12" Extension, CALTRANS 6 Precast Concrete Pull Box .....	87.15
33 71 19 13-0029 EA	Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box .....	82.26
33 71 19 13-0030 EA	6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box .....	111.59
33 71 19 13-0031 EA	Body, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	228.49
33 71 19 13-0032 EA	Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box .....	315.24
33 71 19 13-0033 EA	12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box .....	103.44
33 71 19 13-0034 EA	Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box .....	95.30
33 71 19 13-0035 EA	Body, CALTRANS 5-T Precast Concrete Pull Box.....	300.37
33 71 19 13-0036 EA	Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box.....	453.72



<b>Utilities</b>	<b>33</b>	<b>33</b>
<b>Electrical Utilities</b>	<b>33 70</b>	
<b>Electrical Utility Transmission and Distribution</b>	<b>33 71</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 13-0037 EA 12" Extension, CALTRANS 5-T Precast Concrete Pull Box.....	122.99	
33 71 19 13-0038 EA Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box.....	119.74	
33 71 19 13-0039 EA Body, CALTRANS 6-T Precast Concrete Pull Box.....	419.30	
33 71 19 13-0040 EA Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box.....	632.94	
33 71 19 13-0041 EA 12" Extension, CALTRANS 6-T Precast Concrete Pull Box.....	204.46	
33 71 19 13-0042 EA Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box.....	160.47	
<b>33 71 19 13-0043 Electrical Property Line Boxes (33 71 19 13)</b>		
33 71 19 13-0044 EA 3'-6" x 2'-9" x 2' Deep Property Line Box .....	2,796.54	365.04
33 71 19 13-0045 EA 4'-6" x 3'-6" x 4' Deep Property Line Box .....	3,245.61	378.57
33 71 19 13-0046 EA 6' x 4' x 5' Deep Property Line Box .....	3,597.04	459.69
33 71 19 13-0047 EA 11'-6" x 4'-6" x 6' Deep Property Line Box .....	5,484.94	676.01
<b>33 71 19 13-0048 Manhole Accessories (33 71 19 13)</b>		
33 71 19 13-0049 EA 6" Precast Grade Ring Riser Casting.....	390.63	
33 71 19 13-0050 EA 12" Precast Grade Ring Riser Casting.....	423.04	
33 71 19 13-0051 EA 36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D).....	1,689.95	
33 71 19 13-0052 EA 42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1).....	2,204.09	
33 71 19 13-0053 EA Cast Iron Adjusting Ring (NEENAH #R-1979).....	718.88	
33 71 19 13-0054 EA Cast Iron Frame And Cover (NEENAH #R-1640-B).....	911.92	
<b>33 71 19 23 Trenched Electrical Underground Duct and Ductbanks (33 71 19)</b>		
<b>33 71 19 23-0001 Underground Electrical Concrete Markers (33 71 19 23)</b>		
33 71 19 23-0002 EA 36" x 6" x 6", Underground Electric Concrete Marker .....	287.34	

**END OF SECTION 33**

**33 Utilities**

**33 70 Electrical Utilities**

**33 71 Electrical Utility Transmission and Distribution**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 34 Transportation

### 34 40 Transportation Signaling and Control Equipment <sup>(34 40)</sup>

#### 34 41 Roadway Signaling and Control Equipment <sup>(34 40)</sup>

##### 34 41 13 Traffic Signals <sup>(34 41)</sup>

##### 34 41 13 00-0001 Traffic Signals <sup>(34 41 13)</sup>

34 41 13 00-0002	EA	Single Traffic Signal Head, 4 Way Pattern.....	5,085.48	668.53
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##### 34 41 13 00-0003 Traffic Detector Induction Loop <sup>(34 41 13)</sup>

34 41 13 00-0004	EA	6' x 6', Type A, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	340.19	
34 41 13 00-0005	EA	6' x 6', Type D, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	424.06	
34 41 13 00-0006	EA	6' x 6', Type D, 5 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	484.21	
34 41 13 00-0007	EA	6' x 6', Type Q, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	414.91	
34 41 13 00-0008	EA	6' x 20', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	720.00	
34 41 13 00-0009	EA	6' x 28', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	878.92	
34 41 13 00-0010	EA	6' x 28', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	941.65	
34 41 13 00-0011	EA	6' x 40', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,161.76	
34 41 13 00-0012	EA	6' x 40', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,253.28	
34 41 13 00-0013	EA	6' x 50', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,329.06	
34 41 13 00-0014	EA	6' x 50', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,440.81	
34 41 13 00-0015	LF	In Pavement, Lead Wire For Traffic Signal Detector..... Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.	6.60	
34 41 13 00-0016	LF	In Earthwork, Lead Wire For Traffic Signal Detector..... Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.	3.06	
34 41 13 00-0017	EA	2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222).....	198.20	
34 41 13 00-0018	EA	4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100).....	554.07	
34 41 13 00-0019	EA	2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100).....	345.26	

##### 34 41 13 00-0020 Overhead Traffic Signals <sup>(34 41 13)</sup>

34 41 13 00-0021	EA	Vehicle Signal Face, LED, 1 - 12" Section.....	442.82	142.06
34 41 13 00-0022	EA	Vehicle Signal Face, LED, 2 - 12" Sections.....	713.80	200.56
34 41 13 00-0023	EA	Vehicle Signal Face, LED, 3 - 12" Sections.....	993.08	245.13
34 41 13 00-0024	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Middle Section Blank.....	945.94	245.13
34 41 13 00-0025	EA	Vehicle Signal Face, LED, 4 - 12" Sections.....	1,253.04	272.99
34 41 13 00-0026	EA	Vehicle Signal Face, LED, 5 - 12" Sections.....	1,490.74	289.70
34 41 13 00-0027	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Cluster.....	1,581.88	289.70
34 41 13 00-0028	EA	Vehicle Signal Face, LED, 1 - 8" Section.....	419.25	142.06
34 41 13 00-0029	EA	Vehicle Signal Face, LED, 2 - 8" Sections.....	666.66	200.56
34 41 13 00-0030	EA	Vehicle Signal Face, LED, 3 - 8" Sections.....	878.37	245.13
34 41 13 00-0031	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 1 - 12" Section.....	936.51	245.13
34 41 13 00-0032	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 2 - 12" Sections.....	1,152.48	272.99
34 41 13 00-0033	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 1 - 12" Section.....	1,119.48	272.99
34 41 13 00-0034	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections.....	1,317.90	289.70
34 41 13 00-0035	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections In Cluster.....	1,391.75	289.70
34 41 13 00-0036	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Optically Programmed.....	1,967.28	245.13
34 41 13 00-0037	EA	Vehicle Signal Face, LED, 4 - 12" Sections, Optically Programmed.....	2,561.94	272.99
34 41 13 00-0038	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Optically Programmed.....	3,329.17	289.70
34 41 13 00-0039	EA	Vehicle Signal Face, LED, 5 - 12" Sections In Cluster, Optically Programmed.....	3,604.14	289.70
34 41 13 00-0040	EA	Bracket Signal Mounting Assembly.....	420.83	111.42
34 41 13 00-0041	EA	Mast Arm Signal Mounting Assembly.....	750.51	222.85
34 41 13 00-0042	EA	Top Pole Signal Mounting Assembly.....	264.55	83.57
34 41 13 00-0043	EA	Pedestrian Signal Head.....	758.51	167.13
34 41 13 00-0044	EA	Pedestrian Signal Insert.....	464.11	83.57
34 41 13 00-0045	EA	Audible Pedestrian Signal.....	984.06	
34 41 13 00-0046	EA	Junction Box, Pole Or Post Mounted.....	383.08	
34 41 13 00-0047	EA	Pedestrian Push Button.....	355.42	

**34 Transportation****34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41	13 00-0048	EA	Illuminated Sign, Bracket Mounted, Symbolic.....	2,738.44	
34 41	13 00-0049	EA	Illuminated Sign, Mast Arm Mounted, Symbolic.....	2,867.33	
34 41	13 00-0050	EA	Sign, Message, "BLANK OUT", Bracket Mounted.....	3,001.24	
34 41	13 00-0051	EA	Sign, Message, "BLANK OUT", Mast Arm Mounted.....	3,197.51	
34 41	13 00-0052	EA	Sign, Fiber Optic, Bracket Mounted.....	3,399.48	
34 41	13 00-0053	EA	Sign, Fiber Optic, Mast Arm Mounted.....	3,599.91	
34 41	13 00-0054	EA	16" Pedestal With Base Plate And Cover.....	1,267.36	146.85
34 41	13 00-0055	EA	30' Type 15TS Signal And Lighting Standard..... Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.	5,128.10	
34 41	13 00-0056	EA	35' Type 21TS Signal And Lighting Standard..... Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.	5,929.81	
34 41	13 00-0057	EA	17' Type 18-2-100 Signal And Lighting Standard..... Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.	2,916.60	
34 41	13 00-0058	EA	17' Type 18-3-100 Signal And Lighting Standard..... Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.	3,226.14	
34 41	13 00-0059	EA	17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard..... Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.	3,344.80	
34 41	13 00-0060	EA	17' Type 23-3-100 Signal And Lighting Standard..... Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.	3,344.80	
34 41	13 00-0061	EA	17' Type 23-4-100 Signal And Lighting Standard..... Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.	3,407.09	
34 41	13 00-0062	EA	17' Type 27-3-100 Signal And Lighting Standard..... Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.	3,718.58	
34 41	13 00-0063	EA	17' Type 27-4-100 Signal And Lighting Standard..... Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.	3,790.20	
34 41	13 00-0064	EA	17' Type 28-5-100 Signal And Lighting Standard..... Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.	3,937.07	
34 41	13 00-0065	EA	17' Type 60-5-100 Signal And Lighting Standard..... Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.	4,168.38	
34 41	13 00-0066	EA	18-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard..... Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.	3,098.69	
34 41	13 00-0067	EA	30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard..... Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.	5,453.12	
34 41	13 00-0068	EA	30' Type 19-2-100 Signal And Lighting Standard..... Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.	6,103.15	
34 41	13 00-0069	EA	30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard..... Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.	6,352.33	
34 41	13 00-0070	EA	30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard..... Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.	6,352.33	
34 41	13 00-0071	EA	30' Type 26-3-100 Signal And Lighting Standard..... Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.	7,137.24	
34 41	13 00-0072	EA	30' Type 26-4-100 Signal And Lighting Standard..... Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.	7,438.14	
34 41	13 00-0073	EA	30' Type 29-5-100 Signal And Lighting Standard..... Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.	7,754.05	
34 41	13 00-0074	EA	30' Type 61-5-100 Signal And Lighting Standard..... Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.	8,251.65	
34 41	13 00-0075	EA	35' Type 17A-2-100 Signal And Lighting Standard..... Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.	6,335.31	
34 41	13 00-0076	EA	35' Type 19A-2-100 Signal And Lighting Standard..... Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.	7,093.68	
34 41	13 00-0077	EA	35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard..... Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.	7,384.40	
34 41	13 00-0078	EA	35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard..... Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.	7,384.40	
34 41	13 00-0079	EA	35' Type 26A-3-100 Signal And Lighting Standard..... Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	8,300.13	
34 41	13 00-0080	EA	35' Type 26A-4-100 Signal And Lighting Standard..... Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	8,651.16	
34 41	13 00-0081	EA	35' Type 29A-5-100 Signal And Lighting Standard..... Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.	9,019.74	
34 41	13 00-0082	EA	35' Type 61A-5-100 Signal And Lighting Standard..... Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.	9,600.26	
34 41	13 00-0083	EA	15' Steel Straight Mast Arm, MONOTUBE.....	2,193.42	
34 41	13 00-0084	EA	20' Steel Straight Mast Arm, MONOTUBE.....	2,305.63	
34 41	13 00-0085	EA	25' Steel Straight Mast Arm, MONOTUBE.....	2,461.36	
34 41	13 00-0086	EA	30' Steel Straight Mast Arm, MONOTUBE.....	3,273.25	
34 41	13 00-0087	EA	35' Steel Straight Mast Arm, MONOTUBE.....	3,919.25	
34 41	13 00-0088	EA	40' Steel Straight Mast Arm, MONOTUBE.....	4,201.02	
34 41	13 00-0089	EA	45' Steel Straight Mast Arm, MONOTUBE.....	4,628.26	
34 41	13 00-0090	EA	50' Steel Straight Mast Arm, MONOTUBE.....	5,251.85	
34 41	13 00-0091	EA	55' Steel Straight Mast Arm, MONOTUBE.....	5,998.50	
34 41	13 00-0092	EA	60' Steel Straight Mast Arm, MONOTUBE.....	6,508.33	
34 41	13 00-0093	EA	65' Steel Straight Mast Arm, MONOTUBE.....	7,544.22	
34 41	13 00-0094	EA	4' Steel Curved Luminaire Mast Arm.....	759.15	
34 41	13 00-0095	EA	6' Steel Curved Luminaire Mast Arm.....	983.88	
			<i>For High Rise Arm, Add</i>	77.39	
34 41	13 00-0096	EA	8' Steel Curved Luminaire Mast Arm.....	1,230.88	
34 41	13 00-0097	EA	10' Steel Curved Luminaire Mast Arm.....	1,714.66	
			<i>For High Rise Arm, Add</i>	113.91	
34 41	13 00-0098	EA	12' Steel Curved Luminaire Mast Arm.....	1,881.68	
			<i>For High Rise Arm, Add</i>	134.34	
34 41	13 00-0099	EA	15' Steel Curved Luminaire Mast Arm.....	1,954.04	
			<i>For High Rise Arm, Add</i>	149.82	
34 41	13 00-0100	EA	20' Steel Curved Luminaire Mast Arm.....	2,208.64	
			<i>For High Rise Arm, Add</i>	178.91	
34 41	13 00-0101	EA	15' Tubular Aluminum Post.....	808.91	
34 41	13 00-0102	EA	17' Tubular Aluminum Post.....	864.81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0103	EA		20' Tubular Aluminum Post.....	964.81	
34 41 13 00-0104	EA		14' High Galvanized Steel Traffic Signal Pole..... Note: For mast arm.	2,607.06	
34 41 13 00-0105	EA		21' High Galvanized Steel Traffic Signal Pole..... Note: For mast arm.	3,886.49	
34 41 13 00-0106	EA		22' High Galvanized Steel Traffic Signal Pole..... Note: For mast arm and luminare arm.	4,030.94	
34 41 13 00-0107	EA		30' High Galvanized Steel Traffic Signal Pole, Tapered, For >55' Mast Arm..... Note: For mast arm and luminare arm.	5,449.34	
34 41 13 00-0108	EA		32' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm..... Note: For mast arm and luminare arm.	5,702.46	
34 41 13 00-0109	EA		30' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm.....	4,529.25	
34 41 13 00-0110	EA		30' High Galvanized Steel Traffic Signal Pole, Octaflute.....	4,058.89	
34 41 13 00-0111	EA		30' (High Spun Aluminum Traffic Signal Pole, Tapered.....	3,347.47	
34 41 13 00-0112	EA		Type 26-6-70 Signal Pole With 55' SMA And 20' LMA.....	17,971.59	
34 41 13 00-0113	EA		Type 29-6-70 Signal Pole With 65' SMA And 20' LMA.....	20,788.82	
34 41 13 00-0114	EA		CUT-OFF POLE AND CAPPED.....	145.53	
34 41 13 00-0115	EA		PAINT EXISTING SL/TS CONTROLLER COMPLETE.....	43.20	
34 41 13 00-0116	EA		PAINT EXISTING TS POST COMPLETE.....	206.30	
34 41 13 00-0117	EA		1 Channel Loop Detector Amplifier.....	1,129.66	
34 41 13 00-0118	EA		4 Channel Loop Detector Amplifier.....	2,115.10	
34 41 13 00-0119	EA		FLASHING BEACON WITH DOWNLIGHT.....	1,701.01	
34 41 13 00-0120	EA		Flashing Beacon, Bracket Mounted.....	619.84	
34 41 13 00-0121	EA		Flashing Beacon, Mast Arm Mounted.....	619.84	
34 41 13 00-0122	EA		Flashing Beacon, Solar Powered, Bracket Mounted.....	14,563.28	
34 41 13 00-0123	EA		Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US).....	2,874.99	
34 41 13 00-0124	EA		Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US).....	1,548.68	
34 41 13 00-0125	EA		Smart Sensor HD (Wavetronix HD125).....	8,198.55	
34 41 13 00-0126	EA		Access Point (Sensys AP240-ES)..... Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.	3,796.60	
34 41 13 00-0127	EA		Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA.....	6,561.79	
34 41 13 00-0128	EA		Mounting Kit for Access Points and Repeaters (KIT-MTG).....	237.81	
34 41 13 00-0129	EA		Repeater (Sensys RP240-B-LL)..... Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life.	1,739.83	
34 41 13 00-0130	EA		Wireless Flush Mounted Sensor (Sensys VSN240-F)..... Note: Excludes coring.	786.23	
34 41 13 00-0131	EA		Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug.....	1,969.80	
34 41 13 00-0132	EA		Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles.....	5,423.14	1.40
34 41 13 00-0133	EA		Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 & 26-4-80 Poles.....	7,075.40	1.40
34 41 13 00-0134	EA		Pole Base Foundation for Type 15 and 21 Poles.....	4,246.18	1.40
34 41 13 00-0135	EA		Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles.....	5,423.14	1.40
34 41 13 00-0136	EA		Pole Base Foundation for 26-4-100 And 27-4-100 Poles.....	7,075.40	1.40
34 41 13 00-0137	EA		LED Enhanced Pedestrian Crossing Symbol Sign..... Note: 2 required per system.	1,397.58	87.93
34 41 13 00-0138	EA		42" Height, 8-1/2" Diameter Automatic Bollard Activation System..... Note: 4 required per system.	4,055.19	527.59
34 41 13 00-0139	EA		Power Control Unit With Enclosure (Solar)..... Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).	14,001.64	351.72
34 41 13 00-0140	EA		Power Control Unit With Enclosure (A/C).....	9,001.85	351.72
34 41 13 00-0141	EA		Push Button Assembly With Sign.....	818.50	175.86
34 41 13 00-0142	EA		Advanced Warning Signs.....	1,586.11	175.86
34 41 13 00-0143	EA		Traffic Signal Controller Unit, TS 2 Type 1 (ASC/3-1000).....	4,636.79	
34 41 13 00-0144	EA		Traffic Signal Controller Unit, TS 2 Type 2 (ASC/3-2100).....	4,770.35	
34 41 13 00-0145	EA		Traffic Signal Controller Unit, TS 2 Type 2 Econolite Model ASC/2S-2100.....	41,248.08	
34 41 13 00-0146	EA		Traffic Signal Controller Unit, Replacement For Type 170E (ASC/3RM).....	4,951.05	891.37
34 41 13 00-0147	EA		Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way.....	862.30	
34 41 13 00-0148	EA		Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way.....	940.87	
34 41 13 00-0149	EA		Optical Detector For Mast Arm Mounting, 2 Channel.....	1,198.56	
34 41 13 00-0150	EA		2 Channel Phase Selector.....	2,680.06	
34 41 13 00-0151	EA		4 Channel Phase Selector.....	4,164.94	
34 41 13 00-0152	EA		Malfunction Management Unit For Use With NEMA Controller.....	1,353.30	
34 41 13 00-0153	EA		Malfunction Management Unit For Use With Type 170E Or 2070 Controller.....	1,353.30	48.13
34 41 13 00-0154	EA		Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way.....	862.30	192.53
34 41 13 00-0155	EA		Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way.....	940.87	192.53
34 41 13 00-0156	EA		Optical Detector For Pole-Side Mounting, 2 Channel.....	1,198.56	192.53
34 41 13 00-0157	EA		Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way.....	862.30	192.53
34 41 13 00-0158	EA		Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way.....	940.87	192.53
34 41 13 00-0159	EA		Optical Detector For Pedestal Or Pipe Mounting, 2 Channel.....	1,198.56	192.53
34 41 13 00-0160	EA		Optical Detector For Span Wire Mounting, 1 Channel, 1 Way.....	862.30	192.53
34 41 13 00-0161	EA		Optical Detector For Span Wire Mounting, 1 Channel, 2 Way.....	940.87	192.53
34 41 13 00-0162	EA		Optical Detector For Span Wire Mounting, 2 Channel.....	1,198.56	192.53
34 41 13 00-0163	EA		Optical Detector For Signal Top Mounting, 1 Channel, 1 Way.....	862.30	192.53
34 41 13 00-0164	EA		Optical Detector For Signal Top Mounting, 1 Channel, 2 Way.....	940.87	192.53
34 41 13 00-0165	EA		Optical Detector For Signal Top Mounting, 2 Channel.....	1,198.56	192.53
34 41 13 00-0166	EA		Time Switch, 1-Circuit.....	207.12	
34 41 13 00-0167	EA		Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal.....	272.34	
34 41 13 00-0168	EA		Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay.....	355.61	
34 41 13 00-0169	EA		Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal.....	504.89	
34 41 13 00-0170	EA		Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay.....	633.73	
34 41 13 00-0171	EA		Digital Loop-Type Vehicle Detector Card Rack With Power Supply.....	1,717.93	

**34 Transportation****34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0172	EA		Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet .....	1,717.93	
34 41 13 00-0173	EA		Power Line Surge Protector - Edco SHP 300-10 .....	159.61	
34 41 13 00-0174	EA		Loop Detector Surge Protector - Edco SRA-6LC .....	81.77	
34 41 13 00-0175	EA		Controller Cabinet; Econolite Type "O" .....	23,813.66	
34 41 13 00-0176	EA		Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay .....	10,493.75	
34 41 13 00-0177	EA		Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays .....	11,389.39	
34 41 13 00-0178	EA		Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay .....	12,465.74	
34 41 13 00-0179	EA		Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays .....	12,795.71	
34 41 13 00-0180	EA		Speed Limit Beacon Control Cabinet .....	5,265.31	
34 41 13 00-0181	EA		Speed Limit Beacon Control Option .....	4,596.78	334.26
34 41 13 00-0182	EA		Remote Detector Cabinet .....	2,829.80	
34 41 13 00-0183	EA		Traffic Signal Hand Control .....	772.81	
34 41 13 00-0184	EA		Extra Pedestrian Detector Isolation Assembly .....	615.67	
34 41 13 00-0185	EA		Fiber Optic Transceivers-Repeater Module .....	905.65	
34 41 13 00-0186	EA		Field Transceiver-Repeater .....	436.02	
34 41 13 00-0187	EA		Load Switch .....	75.72	
34 41 13 00-0188	EA		30" Pedestal With Base Plate And Cover .....	663.61	
34 41 13 00-0189	EA		8' Pedestal With Base Plate And Cover .....	971.06	
34 41 13 00-0190	EA		11' Pedestal With Base Plate And Cover .....	1,080.30	
34 41 13 00-0191	EA		15' Pedestal With Base Plate And Cover .....	1,201.89	
34 41 13 00-0192	LF		6-Fiber Interconnect Cable, Fiber Optic, Single Mode .....	1.18	
34 41 13 00-0193	LF		12-Fiber Interconnect Cable, Fiber Optic, Single Mode .....	1.27	
34 41 13 00-0194	LF		24-Fiber Interconnect Cable, Fiber Optic, Single Mode .....	1.48	
34 41 13 00-0195	LF		36-Fiber Interconnect Cable, Fiber Optic, Single Mode .....	1.69	
34 41 13 00-0196	LF		48-Fiber Interconnect Cable, Fiber Optic, Single Mode .....	1.89	
34 41 13 00-0197	LF		72-Fiber Interconnect Cable, Fiber Optic, Single Mode .....	2.25	
34 41 13 00-0198	LF		96-Fiber Interconnect Cable, Fiber Optic, Single Mode .....	2.58	
34 41 13 00-0199	LF		144-Fiber Interconnect Cable, Fiber Optic, Single Mode .....	3.22	
34 41 13 00-0200	LF		3/16" Diameter Messenger Cable .....	0.54	0.09
34 41 13 00-0201	LF		1/4" Diameter Messenger Cable .....	0.64	0.09
34 41 13 00-0202	LF		3/8" Diameter Messenger Cable .....	1.17	0.09
34 41 13 00-0203	LF		1/2" Diameter Messenger Cable .....	2.41	0.19
34 41 13 00-0204	EA		4' Diameter x 10' Concrete Base For Poles .....	2,381.21	
			Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41 13 00-0205	EA		4' Diameter x 16' Concrete Base For Poles .....	3,790.97	
			Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41 13 00-0206	EA		Internally Illuminated Street Name Sign, 1 Line, 4' .....	2,079.83	222.85
34 41 13 00-0207	EA		Internally Illuminated Street Name Sign, 1 Line, 6' .....	2,568.37	278.55
34 41 13 00-0208	EA		Internally Illuminated Street Name Sign, 1 Line, 8' .....	2,805.50	334.26
34 41 13 00-0209	EA		Internally Illuminated Street Name Sign, 1 Line, 10' .....	3,168.34	389.98
34 41 13 00-0210	EA		Internally Illuminated Street Name Sign, 1 Line, 12' .....	3,405.45	445.68
34 41 13 00-0211	EA		Internally Illuminated Street Name Sign, 2 Line, 4' .....	3,267.73	222.85
34 41 13 00-0212	EA		Internally Illuminated Street Name Sign, 2 Line, 6' .....	4,026.54	278.55
34 41 13 00-0213	EA		Internally Illuminated Street Name Sign, 2 Line, 8' .....	4,351.66	334.26
34 41 13 00-0214	EA		Internally Illuminated Street Name Sign, 2 Line, 10' .....	4,865.34	389.98
34 41 13 00-0215	EA		Internally Illuminated Street Name Sign, 2 Line, 12' .....	5,228.16	445.68
34 41 13 00-0216	EA		Photoelectric Controller, Multi-Volt .....	73.63	25.03
34 41 13 00-0217	EA		Photoelectric Controller, 120 Volt .....	83.15	25.03
34 41 13 00-0218	EA		Photoelectric Controller, 480 Volt .....	83.15	25.03
34 41 13 00-0219	EA		Wi-Fi Communication Unit .....	1,085.49	111.42
34 41 13 00-0220	EA		Wi-Fi Communication Unit Mounting Bracket .....	245.69	83.57
34 41 13 00-0221	EA		Wi-Fi Communication Unit Power Supply / POE Injector .....	219.84	55.71
34 41 13 00-0222	EA		Wi-Fi Communication Unit Packet .....	1,885.29	167.13
34 41 13 00-0223	LF		Preemptor Detector Cable .....	1.85	
34 41 13 00-0224	EA		Sno-Shoe Cable Storage Assembly .....	201.57	
<b>34 41 13 00-0225</b>			<b>Traffic Signal Cable <small>(34 41 13)</small></b>		
34 41 13 00-0226	LF		16 AWG, 2-Conductor, Solid, Traffic Signal Cable .....	1.74	0.77
34 41 13 00-0227	LF		16 AWG, 3-Conductor, Solid, Traffic Signal Cable .....	1.94	0.83
34 41 13 00-0228	LF		16 AWG, 4-Conductor, Solid, Traffic Signal Cable .....	2.12	0.88
34 41 13 00-0229	LF		16 AWG, 5-Conductor, Solid, Traffic Signal Cable .....	2.31	0.94
34 41 13 00-0230	LF		16 AWG, 6-Conductor, Solid, Traffic Signal Cable .....	2.52	0.99
34 41 13 00-0231	LF		16 AWG, 8-Conductor, Solid, Traffic Signal Cable .....	2.90	1.11
34 41 13 00-0232	LF		16 AWG, 10-Conductor, Solid, Traffic Signal Cable .....	3.41	1.27
34 41 13 00-0233	LF		16 AWG, 12-Conductor, Solid, Traffic Signal Cable .....	3.90	1.44
34 41 13 00-0234	LF		16 AWG, 16-Conductor, Solid, Traffic Signal Cable .....	4.58	1.60
34 41 13 00-0235	LF		16 AWG, 20-Conductor, Solid, Traffic Signal Cable .....	5.38	1.76
34 41 13 00-0236	LF		14 AWG, 2-Conductor, Solid, Traffic Signal Cable .....	1.79	0.77
34 41 13 00-0237	LF		14 AWG, 3-Conductor, Solid, Traffic Signal Cable .....	2.01	0.83
34 41 13 00-0238	LF		14 AWG, 4-Conductor, Solid, Traffic Signal Cable .....	2.21	0.88
34 41 13 00-0239	LF		14 AWG, 5-Conductor, Solid, Traffic Signal Cable .....	2.42	0.94
34 41 13 00-0240	LF		14 AWG, 6-Conductor, Solid, Traffic Signal Cable .....	2.66	0.99
34 41 13 00-0241	LF		14 AWG, 8-Conductor, Solid, Traffic Signal Cable .....	3.08	1.11
34 41 13 00-0242	LF		14 AWG, 10-Conductor, Solid, Traffic Signal Cable .....	3.62	1.27
34 41 13 00-0243	LF		14 AWG, 12-Conductor, Solid, Traffic Signal Cable .....	4.16	1.44
34 41 13 00-0244	LF		14 AWG, 16-Conductor, Solid, Traffic Signal Cable .....	4.92	1.60
34 41 13 00-0245	LF		14 AWG, 20-Conductor, Solid, Traffic Signal Cable .....	5.84	1.76
34 41 13 00-0246	LF		12 AWG, 2-Conductor, Solid, Traffic Signal Cable .....	1.91	0.77
34 41 13 00-0247	LF		12 AWG, 3-Conductor, Solid, Traffic Signal Cable .....	2.18	0.83
34 41 13 00-0248	LF		12 AWG, 4-Conductor, Solid, Traffic Signal Cable .....	2.42	0.88
34 41 13 00-0249	LF		12 AWG, 5-Conductor, Solid, Traffic Signal Cable .....	2.67	0.94
34 41 13 00-0250	LF		12 AWG, 6-Conductor, Solid, Traffic Signal Cable .....	2.98	0.99
34 41 13 00-0251	LF		12 AWG, 8-Conductor, Solid, Traffic Signal Cable .....	3.50	1.11
34 41 13 00-0252	LF		12 AWG, 10-Conductor, Solid, Traffic Signal Cable .....	4.14	1.27

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0253	LF		12 AWG, 12-Conductor, Solid, Traffic Signal Cable.....	4.78	1.44
34 41 13 00-0254	LF		12 AWG, 16-Conductor, Solid, Traffic Signal Cable.....	5.75	1.60
34 41 13 00-0255	LF		12 AWG, 20-Conductor, Solid, Traffic Signal Cable.....	6.94	1.76
<b>34 41 13 00-0256</b>			<b>School Zone Flasher Beacons <small>(34 41 13)</small></b>		
34 41 13 00-0257	EA		One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly ..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	4,215.02	165.88
34 41 13 00-0258	EA		One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly ..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	4,244.87	165.88
34 41 13 00-0259	EA		Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly ..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	4,751.67	165.88
34 41 13 00-0260	EA		Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly ..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	4,847.19	165.88
34 41 13 00-0261	EA		10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly ..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.	8,881.52	165.88
34 41 13 00-0262	EA		10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly ..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	9,255.86	165.88
<b>34 41 13 00-0263</b>			<b>Traffic Light Control Synchronization <small>(34 41 13)</small></b>		
34 41 13 00-0264	EA		ENCOM COMPAK IP Radio/Wireless Ethernet Transceiver, 900 MHz FHSS 1 Watt output power and 128-bit data encryption with 1.1Mbps Throughput.....	3,663.61	
34 41 13 00-0265	EA		ENCOM 5200R 900 MHz Serial Radio Modem, contains one Serial (RS-232 or RS-485) interface and 170/TS1/TS2 detector rack (EPR-5200R).....	2,740.78	
34 41 13 00-0266	EA		ENCOM Dual 2.4/2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24/24).....	6,331.75	
34 41 13 00-0267	EA		5.8 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB58INT).....	4,304.09	
34 41 13 00-0268	EA		2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24INT).....	4,304.09	
34 41 13 00-0269	EA		Solar Cabinet Assembly.....	11,688.53	
34 41 13 00-0270	EA		Data Controller Interface Cable Assembly.....	467.66	
34 41 13 00-0271	EA		900 MHz Splitter.....	543.90	
34 41 13 00-0272	EA		900 MHz Surge Suppressor.....	195.25	
34 41 13 00-0273	EA		Surge-Radio Lead in Cable.....	122.80	
34 41 13 00-0274	EA		12DB GAIN YAGI Antenna.....	561.86	
34 41 13 00-0275	EA		PELCO Antenna Mounting Bracket.....	379.75	
34 41 13 00-0276	MLF		Coaxial Cable, LMR-400.....	2,977.75	
34 41 13 00-0277	EA		Perle 16 Port Serial Server.....	3,193.40	
34 41 13 00-0278	EA		Serial to Ethernet Card.....	1,665.35	
34 41 13 00-0279	EA		404 Stand Alone Modem (GDI 404).....	1,503.84	
<b>34 41 13 00-0280</b>			<b>Traffic Signal Controls <small>(34 41 13)</small></b>		
34 41 13 00-0281	EA		Master Card for Type 2070 or NEMA TS2 traffic controllers (CC-TS2).....	1,320.40	
34 41 13 00-0282	EA		Extension Card for Type 2070 or NEMA traffic controllers (EX-TS2).....	538.78	
34 41 13 00-0283	EA		AccessBox for contract closure master card (CC-ACC).....	190.72	
34 41 13 00-0284	EA		Flush Mount Wireless Sensor (ATT VSN240-F).....	735.87	
34 41 13 00-0285	EA		Flush Mount Wireless Sensor (Speed & Count VSN240-F).....	735.87	
34 41 13 00-0286	EA		Epoxy Tube for Installation of Wireless Sensor (VSN240-EPX).....	113.70	
34 41 13 00-0287	EA		SNAPS License for each enabled AP (SNAPS-PER-AP).....	310.69	
<b>34 41 13 00-0288</b>			<b>Traffic Signal Devices <small>(34 41 13)</small></b>		
34 41 13 00-0289	EA		12" Polycarbonate Signal Head Housing (McCain).....	696.72	79.14
34 41 13 00-0290	EA		16" Polycarbonate Pedestrian Signal Housing (McCain).....	358.67	61.56
34 41 13 00-0291	EA		Pedestrian Push Button Cap & Switch (McCain M31334).....	282.46	114.32
34 41 13 00-0292	EA		Pedestrian Push Button Frame Assembly 4" Diameter Pole (McCain M19712).....	387.98	167.07
34 41 13 00-0293	EA		Pedestrian Push Button Frame Assembly 2" Diameter Pole (McCain M30793).....	298.79	131.90
34 41 13 00-0294	EA		16 Channel Conflict Monitor (McCain 2010 ECLip).....	1,036.40	57.15
34 41 13 00-0295	EA		LED Countdown Head (McCain GTX PS7-CFF1-VLA).....	214.92	21.98
34 41 13 00-0296	EA		Traffic signal Video Detection Camera (Iteris RZ4-awdr).....	2,340.48	96.73
34 41 13 00-0297	EA		Camera processor card (Iteris Edge Connect).....	5,329.26	140.69
34 41 13 00-0298	EA		Wireless Broadband Radio (Encom BB58).....	5,032.35	131.90
34 41 13 00-0299	EA		24-port Gigabit and 4-port 1G/10G SFP+ Ethernet Switch (Etherwan EX77900).....	3,327.25	105.52
34 41 13 00-0300	EA		Power Adapter (Mean Well DR-120-48).....	121.96	32.98
34 41 13 00-0301	LF		14/1 Cal Trans Type 2 Inductive Traffic Detection Loops (Advanced Digital Cable 8452).....	0.73	
34 41 13 00-0302	EA		Radar Detection System (Wavetronix Matrix).....	9,698.12	334.14
34 41 13 00-0303	EA		Pedestrian Audio Push Button (Polara APS).....	301.38	83.54
34 41 13 00-0304	EA		Opticom Infrared System - Detector (GTT 711).....	757.23	78.43
34 41 13 00-0305	EA		Opticom Infrared System - Detector (GTT 721).....	847.21	87.76
34 41 13 00-0306	EA		Opticom Infrared System - Detector (GTT 722).....	1,179.99	122.22
34 41 13 00-0307	EA		Opticom Multimode Phase Selector (GTT 764).....	3,847.81	72.34
34 41 13 00-0308	LF		Opticom GPS Installation Cable (GTT 1070).....	0.88	
34 41 13 00-0309	EA		Precast Concrete Traffic Pull Box, 5-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1324).....	647.56	
34 41 13 00-0310	EA		Precast Concrete Traffic Pull Box, 6-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1730).....	686.77	
34 41 13 00-0311	EA		UPS Module (Alpha Technologies FXM 350)..... Note: For battery backup in traffic signal control cabinet	1,049.22	48.13
34 41 13 00-0312	EA		Web Connected Relay Switch (Control by Web X-301 WebRelay-Dual)..... Note: To control flashing "School" signs	334.83	39.57

**34 Transportation****34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0313	LF		Fiber optic cable, 72 strand, single mode, riser non-plenum jacket (Optical Cable Corp DX072DSLX9KR ).....	7.40	0.40
34 41 13 00-0314	LF		Fiber optic cable, 12 strand, multi mode, riser non-plenum jacket (Superior Essex W30126G01 MM Fiber).....	1.83	0.35
34 41 13 00-0315	EA		12" LED Signal Module, Tinted Lens, Red (GE DR6-RTFB-VLA).....	103.64	39.57
34 41 13 00-0316	EA		12" LED Signal Module, Tinted Lens, Yellow (GE DR6-YTFB-VLA).....	103.64	39.57
34 41 13 00-0317	EA		12" LED Signal Module, Tinted Lens, Green (GE DR6-GTFB-VLA).....	103.64	39.57
34 41 13 00-0318	EA		12" LED Signal Module, Clear Lens, Red (GE DR6-RCFB-VLA).....	103.64	39.57
34 41 13 00-0319	EA		12" LED Signal Module, Clear Lens, Yellow (GE DR6-YCFB-VLA).....	103.64	39.57
34 41 13 00-0320	EA		12" LED Signal Module, Clear Lens, Green (GE DR6-GCFB-VLA).....	103.64	39.57
34 41 13 00-0321	EA		LED Countdown Pedestrian Signal, 16" x 18" (GE PS7-CFF1-VLA).....	303.44	101.12
34 41 13 00-0322	EA		EOC Switch (Actellis ML688).....	3,865.96	312.85
34 41 13 00-0323	EA		Ethernet Extender Kit (ENABLE-IT 860 Pro).....	1,039.19	72.19
34 41 13 00-0324	EA		#5 pull box lid (Concrete, Bolt down) (Christy N30T).....	87.13	19.62
34 41 13 00-0325	EA		#5 pull box lid (Steel, Bolt down) (Christy N30-61J).....	301.83	28.40
34 41 13 00-0326	EA		#6 pull box lid (Concrete, Bolt down) (Christy N36T).....	107.22	19.62
34 41 13 00-0327	EA		#6 pull box lid (Steel, Bolt down) (Christy N36-61J).....	364.01	28.40
34 41 13 00-0328	EA		Battery Back-up (Alpha FXM110 UPS).....	2,484.36	96.26
34 41 13 00-0329	EA		Battery (Alpha AlphaCell 220GXL).....	353.70	24.07
34 41 13 00-0330	EA		BBS Cabinet (Alpha SE48-1616).....	2,877.79	216.58
34 41 13 00-0331	LF		Fiber 72 Strands (Corning 072ZU4-T3F22D20).....	4.67	1.88
34 41 13 00-0332	LF		Fiber 12 Strands (Corning 012ZU4-T3F22D20).....	2.07	0.86
34 41 13 00-0333	EA		FDU & Splice Cassette with LC connector type (Corning CCH-01U, CCH-CS12-B3-P00RE).....	895.00	72.19
34 41 13 00-0334	EA		12" THREE SECTION HOUSING (McCain M22435).....	615.74	48.13
34 41 13 00-0335	EA		12" FOUR SECTION HOUSING (McCain M30883).....	793.74	72.19
34 41 13 00-0336	EA		12" FIVE SECTION HOUSING (McCain M31769).....	923.61	72.19
34 41 13 00-0337	EA		12" CLUSTER, WITHOUT MAS (McCain M30987).....	988.55	72.19
34 41 13 00-0338	EA		CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650).....	615.74	48.13
34 41 13 00-0339	EA		NAVIGATOR iN2 APS 2 WIRE PPB #IN250N0-B (Polara iN250N0-B).....	615.74	48.13
34 41 13 00-0340	EA		NAVIGATOR iN2 CONTROLLER RACK MOUNT iCCU-C (Polara iCCU-C).....	3,583.67	168.46
34 41 13 00-0341	EA		NAVIGATOR iN2 INTERCONNECT BOARD iN2-ICB-C (Polara iN2-ICB-C).....	178.00	24.07
34 41 13 00-0342	EA		NAVIGATOR iN2 POWER SUPPLY iN2-150-WPS-C (Polara iN2-150-WPS-C).....	178.00	24.07
34 41 13 00-0343	EA		NAVIGATOR iN2 CONNECTOR iN2-C4CABLE-C (Polara iN2-c4cable-C).....	396.87	36.10
34 41 13 00-0344	EA		12" Visor (McCain M19302).....	32.24	9.63
34 41 13 00-0345	EA		LS,2202-HV (iPack), HDSP/FLASHER UNIT,ATC (McCain M36256).....	331.93	36.10
34 41 13 00-0346	EA		SIU,2218 SERIAL INTERFACE UNIT,ATC (McCain M36258).....	550.80	48.13
34 41 13 00-0347	EA		CMU,2212-HV (ip),32 CH W/ ETHERNET PORT, ATC (McCain M36259).....	1,021.01	72.19
34 41 13 00-0348	EA		ATCC-HV, INPUT ASSEMBLY, 24 CH W/ CONN IDC26 (McCain M54487).....	550.80	48.13
34 41 13 00-0349	EA		HARN, SB1/SB2,COMM EXTENSION (McCain M48062).....	113.07	24.07
34 41 13 00-0350	EA		ATCC-HV/LV, FITA ASSEMBLY, 24CH (McCain M54489).....	331.93	36.10
34 41 13 00-0351	EA		CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650).....	615.74	48.13
34 41 13 00-0352	EA		242L ISOLATOR, EDI (McCain M56812).....	113.07	24.07
34 41 13 00-0353	EA		EDI 222 DETECTOR (McCain M11407).....	145.53	24.07
34 41 13 00-0354	EA		ALPHA BBS, INVERTER & BYPASS SWITCH (McCain M59763).....	2,448.44	120.32
34 41 13 00-0355	EA		GENERATOR SWITCH AND PLUG ASS'Y FOR ALPHA BBS (McCain M68752-2).....	407.95	48.13
34 41 13 00-0356	EA		BBS BATTERY, ALPHACELL 165GXL (McCain M59884).....	550.80	48.13
34 41 13 00-0357	EA		Battery Backup Cabinet Anonidize 44x26x12 (McCain M64438A).....	1,150.88	72.19

**34 41 16 Traffic Control Equipment (34 41)****34 41 16 00-0001 Transportation Control Equipment (34 41 16)**

34 41 16 00-0002	EA		CONTROLLER/SL/POLE MTD/1-PHASE/100A.....	7,162.82	770.15
34 41 16 00-0003	EA		CONTROLLER/SL/ON EMB POLE 1-PH/100A.....	7,251.54	814.50
34 41 16 00-0004	EA		CONTROLLER, SL, 3-PHASE, 100A, BASE MTD.....	8,792.43	824.07
34 41 16 00-0005	EA		CONTROLLER, SL, 3-PHASE, 200A, BASE MTD.....	10,457.74	1,000.57
34 41 16 00-0006	EA		CONTROLLER/SL/BASE MTD/1-PHASE/100A.....	8,509.01	493.60
34 41 16 00-0007	EA		CONTROLLER/SL/BASE MTD/1-PHASE/200A.....	9,432.18	540.40
34 41 16 00-0008	EA		CONTROLLER, TS, 12-BAY, "M" CABINET.....	15,525.30	849.59
34 41 16 00-0009	EA		CONTROLLER, TS, 12-BAY, "P" CABINET.....	16,534.59	941.51
34 41 16 00-0010	EA		CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER.....	23,578.45	1,058.51
34 41 16 00-0011	EA		CONTROLLER, TS, 16-BAY, "P" CABINET.....	18,720.74	1,002.79
34 41 16 00-0012	EA		CONTROLLER, PEDESTRIAN CROSSING, ADD-IN.....	575.93	117.77
34 41 16 00-0013	EA		CONCRETE BLOCK PEDESTAL.....	625.10	176.83
34 41 16 00-0014	WK		MAINTAIN EXIST TS INSTALLATION.....	267.33	133.66
34 41 16 00-0015	EA		INST SIGN BOARDS, ST. NAME.....	490.31	233.20
34 41 16 00-0016	EA		F.O. ADD-IN FOR LOCAL CONTROLLER.....	7,824.02	300.99
34 41 16 00-0017	EA		F.O. ADD-IN FOR MASTER CONTROLLER.....	18,856.48	451.61
34 41 16 00-0018	EA		PDU Equipped netBooter With IEC320 C13 Outlets (Synaccess NP-0808DUH).....	743.56	12.54
34 41 16 00-0019	EA		Remote Power Switched netBooter PDU, 8 Independent Outlets (Synaccess NP-0801DU).....	423.25	12.54

**34 41 16 00-0020 Transportation Cabinets (34 41 16)****34 41 16 00-0021 Transportation Cabinets (Dudlik Enclosures) (34 41 16 00-0020)**

34 41 16 00-0022	EA		50" x 30" x 17", Aluminum CCTV Cabinet (Dudlik Enclosures).....	1,970.73	144.39
34 41 16 00-0023	EA		66" x 48" x 30", Quad Door, 19" Racks, Aluminum CCTV Cabinet (Dudlik Enclosures).....	8,345.19	144.39
34 41 16 00-0024	EA		46" x 30" x 20", 19" Rack, Aluminum TTS Cabinet (Dudlik Enclosures).....	1,843.53	144.39
34 41 16 00-0025	EA		50" x 30" x 17", Aluminum ITS Controller Cabinet (Dudlik Enclosures).....	1,970.73	144.39
34 41 16 00-0026	EA		60" x 50" x 36", Quad Door, 19" Racks, Aluminum Fiber Cross Connect Cabinet (Dudlik Enclosures).....	8,627.87	144.39
34 41 16 00-0027	EA		55" x 16" x 17", Aluminum ITS Meter Cabinet (Dudlik Enclosures).....	1,278.16	144.39

**34 41 16 00-0028 Transportation Cabinets (APX Enclosures) (34 41 16 00-0020)**

34 41 16 00-0029	EA		28" Wide, 16" Depth, 46" High, ITS Controller Cabinet (APX Enclosure LS503017)..... Note: 3R, single door, pad mounted aluminum enclosure. Includes natural finish, aluminum back panel, light kit with door switch, thermostatically controlled fan kit, heater kit with thermostat, one aluminum moveable shelf, and one aluminum moveable shelf with slide out drawer. Excludes pad.	4,775.48	168.46
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>34 41 16 00-0030 Transportation Cabinets (Transportation Control Systems) <small>(34 41 16 00-0020)</small></b>					
34 41 16 00-0031	EA		30" Wide, 16" Depth, 48" High, Type 4, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B483016B2D2S).....	1,857.90	144.39
34 41 16 00-0032	EA		30" Wide, 16" Depth, 60" High, Type 4 Stretch, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B603016B2D2S) .....	2,313.02	154.02
<b>34 41 16 00-0033 Transportation Cabinets (McCain) <small>(34 41 16 00-0020)</small></b>					
34 41 16 00-0034	EA		24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 352i)..... Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.	8,700.24	168.46
34 41 16 00-0035	EA		24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 332) .....	8,700.24	168.46
34 41 16 00-0036	EA		ATC ColdFire Controller (McCain 170) .....	4,472.59	
<b>34 41 16 00-0037 Traffic Control Equipment <small>(34 41 16)</small></b>					
34 41 16 00-0038	EA		ProStar PWM Charge Controller 12/24 Volt, 15 Amperes Without Display (Morningstar PS-15).....	228.18	48.13
34 41 16 00-0039	EA		ProStar PWM Charge Controller 12/24 Volt, 15 Amperes With Display (Morningstar PS-15M).....	299.66	48.13
34 41 16 00-0040	EA		ProStar PWM Charge Controller 12/24 Volt, 30 Amperes With Display (Morningstar PS-30M).....	345.07	48.13
34 41 16 00-0041	EA		ProStar PWM Charge Controller 12/24 Volt, 30 Amperes Without Display (Morningstar PS-30).....	267.87	48.13
34 41 16 00-0042	MLF		10 AWG, 2 Conductor, 600V, Type TC, Non-Shielded Control Tray Cable (EnerSys A51002R).....	2,114.26	527.59
34 41 16 00-0043	EA		Vehicle Detector, Circuit Breaker, 0.2 Amperes, Wavetronix SmartSensor (Wavetronix WX-CLK-210-02).....	91.72	24.07
34 41 16 00-0044	EA		Vehicle Detector, 2.4 GHz 12 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0141).....	415.70	55.29
34 41 16 00-0045	EA		Detection System, Vehicle, Two Sensor Preassembled Backplate, with AC Power (Wavetronix WX-SSB01-0003).....	2,162.40	165.88
34 41 16 00-0046	EA		Vehicle Detector, Power Supply, 24 Volt DC, 4 Amperes (Wavetronix WX-CLK-204).....	389.56	24.07
34 41 16 00-0047	EA		Vehicle Detector, 4-Channel Contact Matrix Closure, Rack Card (Wavetronix WX-CLK-114).....	556.64	24.07
34 41 16 00-0048	EA		4 Channel Din-Rail Contact Closure Module (Wavetronix WX-CLK-104) .....	641.09	48.13
34 41 16 00-0049	EA		Detection System, Vehicle, Four Sensor Preassembled Backplate, With AC Power, Wavetronix Smartsensor (Wavetronix WX-SS-B01-0005) .....	2,798.63	48.13
34 41 16 00-0050	EA		50' Wavetronix Wiring Whip (Wavetronix WX-SS-708-060).....	331.76	165.88
34 41 16 00-0051	EA		60', 6-Conductor Power And Communication Cable With Connector (Wavetronix WX-SS-704-060) .....	409.84	41.46
34 41 16 00-0052	EA		900 MHz 5 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0119).....	357.58	55.29
34 41 16 00-0053	EA		900 MHz 9 dBi Yagi Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0120) .....	226.82	55.29
34 41 16 00-0054	EA		Wavetronix Click 201 AC To DC Power Converter (Wavetronix WX-CLK-201).....	244.27	24.07
34 41 16 00-0055	EA		24 Volt DC 2 Amperes, Wavetronix Smartsensor (Wavetronix WX-CLK-202) .....	295.12	24.07
34 41 16 00-0056	EA		Coax Surge N-Type, Wavetronix SmartSensor (Wavetronix WX-CLK-250) .....	135.30	24.07
34 41 16 00-0057	EA		Power, RS232/RS485 Surge, Wavetronix Smartsensor (Wavetronix WX-CLK-200).....	396.82	24.07
34 41 16 00-0058	EA		Two Sensor Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-222) .....	447.67	24.07
34 41 16 00-0059	EA		RS232 to RS485 Converter, Wavetronix SmartSensor (Wavetronix WX-CLK-304) .....	556.64	24.07
34 41 16 00-0060	EA		Wavetronix Click 301 Serial To Ethernet Converter (Wavetronix CLK-301).....	48.13	24.07
34 41 16 00-0061	EA		Sensor Mount, Heavy Duty, 6 inch, 2 Axis Aluminum Bracket (Wavetronix WX-SS-611).....	364.84	55.29
34 41 16 00-0062	MLF		LF, UV Resistant Polyethylene Jacketed Cable (Times Microwave Systems LMR-400) .....	2,477.48	527.59
34 41 16 00-0063	EA		N-Male (Plug) Clamp Connector (Times Microwave Systems TC-400-NMC).....	44.86	14.44
34 41 16 00-0064	EA		Spectra IV SE Back Box, Heavy-Duty, Pendant Mount (Pelco BB4HD-PG-E) .....	729.08	57.76
34 41 16 00-0065	EA		Spectra III Clear Pendant Lower Dome, Heavy Duty (Pelco Id53hdpb-1).....	709.49	72.19
34 41 16 00-0066	EA		24" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2000) .....	179.82	24.07
34 41 16 00-0067	EA		10" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2010).....	129.81	24.07
34 41 16 00-0068	EA		24 Volt AC, Remote Data Port (Pelco IPS-RDPE-2).....	351.29	24.07
34 41 16 00-0069	EA		Spectra IV Remote Monitor Interface Cable (Pelco IPS-CABLE).....	158.48	24.07
34 41 16 00-0070	EA		120 Volt AC, 12.5 Watt, 12 Volt DC, 600 mA, External Plug In Power Supply (Triad Magnetics WDU12-600) .....	64.66	24.07
34 41 16 00-0071	EA		Control Area Network Direct Current Input/Output (Daktronics 0P-1247-0009)..... Note: Input/Output for sign peripherals.	532.13	48.13
34 41 16 00-0072	EA		Control Area Network Direct Current Input/Output (Daktronics 0P-1247-4009)..... Note: Input/Output for sign peripherals.	532.13	48.13
34 41 16 00-0073	EA		Control Area Network Distribution Board (Daktronics 0P-1248-0005) .....	1,004.31	48.13
34 41 16 00-0074	EA		Control Area Network Distribution Board (Daktronics 0P-1248-0011) .....	1,004.31	48.13
34 41 16 00-0075	EA		Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0019) .....	343.25	48.13
34 41 16 00-0076	EA		Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0015) .....	488.54	48.13
34 41 16 00-0077	EA		Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0021) .....	488.54	48.13
34 41 16 00-0078	EA		Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0003) .....	401.37	48.13
34 41 16 00-0079	EA		Controller, VFC-3000 Field Controller NTCIPv1 (Daktronics 0A-1248-0016)..... Note: The "brains" of the sign. Receives information from NTCIP central software and reports status and diagnostic information.	6,923.02	192.53
34 41 16 00-0080	EA		DC/DC, Direct Current to Direct Current Converter (Daktronics 0P-1247-0025)..... Note: Takes 24 Volt DC input from two power supplies and outputs 9 Volt DC for CAN Dist Board, providing power redundancy.	295.12	24.07
34 41 16 00-0081	EA		Driver (Daktronics 0P-1100-0026) .....	556.45	38.51
34 41 16 00-0082	EA		External Temp Sensor (Daktronics 0P-1100-0014) .....	491.07	38.51
34 41 16 00-0083	EA		Internal Temp Sensor (Daktronics 0P-1100-0038)..... Note: Sensor that measures sign internal temperature.	549.19	38.51
34 41 16 00-0084	EA		Light Level Detector (Daktronics 0P-1151-0002) .....	331.25	38.51
34 41 16 00-0085	EA		Module (Daktronics 0A-1253-0608) .....	1,004.31	48.13
			Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		

**34 Transportation****34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0086	EA		Module (Daktronics 0A-1253-3018) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,258.57	48.13
34 41 16 00-0087	EA		Module (Daktronics 0A-1266-5002) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,113.28	48.13
34 41 16 00-0088	EA		Module (Daktronics 0A-1332-6252) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,549.14	48.13
34 41 16 00-0089	EA		Module (Daktronics 0A-1332-6455) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,258.57	48.13
34 41 16 00-0090	EA		Module (Daktronics 0A-1332-6654) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,258.57	48.13
34 41 16 00-0091	EA		Module (Daktronics 0P-1332-3015) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	677.41	48.13
34 41 16 00-0092	EA		Module (Daktronics 0P-1332-4116) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	677.41	48.13
34 41 16 00-0093	EA		Module (Daktronics 0P-1332-5031) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	677.41	48.13
34 41 16 00-0094	EA		Module (Daktronics 0P-1332-5017) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	677.41	48.13
34 41 16 00-0095	EA		Module Without Pan (Daktronics 0A-1253-0603) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	1,004.31	48.13
34 41 16 00-0096	EA		Module Without Pan (Daktronics 0A-1253-1605) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	1,004.31	48.13
34 41 16 00-0097	EA		Module Without Pan (Daktronics 0A-1254-1601) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	1,004.31	48.13
34 41 16 00-0098	EA		Pixel Strip (Daktronics 0P-1100-0016) ..... Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	350.51	48.13
34 41 16 00-0099	EA		Pixel Strip (Daktronics 0P-1100-0029) ..... Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	408.63	48.13
34 41 16 00-0100	EA		Power Supply (Daktronics A-1593) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,185.92	48.13
34 41 16 00-0101	EA		Power Supply (Daktronics A-1648) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,185.92	48.13
34 41 16 00-0102	EA		Power Supply (Daktronics A-2307) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	459.48	48.13
34 41 16 00-0103	EA		Surge Suppressor (Daktronics A-1129) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	188.52	28.88
34 41 16 00-0104	EA		Surge Suppressor (Daktronics A-1412) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	384.66	28.88
34 41 16 00-0105	EA		Surge Suppressor (Daktronics A-1772) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	384.66	28.88
34 41 16 00-0106	EA		Surge Suppressor (Daktronics A-2139) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	566.27	28.88
34 41 16 00-0107	EA		VCB, Vanguard Control Board (Daktronics 0P-1248-0022) ..... Note: Receives high speed serial communication over fiber or CAT5 from VFC-3000 and reports sign status and peripheral diagnostics.	960.73	48.13
34 41 16 00-0108	EA		VMS I/O, Variable Message Sign Input/Output (Daktronics 0P-1194-0001) ..... Note: Input/Output board for sign peripherals.	1,294.89	48.13
34 41 16 00-0109	EA		Power Supply Assembly (Daktronics A-1856R) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	859.02	48.13
34 41 16 00-0110	EA		Power Supply Isolation Board (Daktronics 0P-1447-2000) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	568.45	48.13
34 41 16 00-0111	EA		Ventilation/Circulation Fan (Daktronics B-1075) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	219.76	48.13
34 41 16 00-0112	EA		VMS Controller (V2) (Daktronics 0A-1248-0028) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	6,923.02	192.53
34 41 16 00-0113	EA		Photo/Temp Sensor (Daktronics 0P-1247-0015) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	488.54	48.13
34 41 16 00-0114	EA		Defog Fan (Daktronics B-1053) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	84.45	24.07
34 41 16 00-0115	EA		Defog Heater (Daktronics A-1792) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	106.25	24.07
34 41 16 00-0116	EA		Display Card 1500, 15" Clear (Ver-Mac PB-AFF-06023A-03 PF) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	641.09	48.13
34 41 16 00-0117	EA		Display Card 1500, 30" Amber (Ver-Mac PB-AFF-06023-01 PF) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	641.09	48.13
34 41 16 00-0118	EA		1-Port Decoder With H.264 And High-Definition Technology (Verint S1801E-R) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	832.40	48.23
34 41 16 00-0119	EA		1-Port Video Encoder Featuring H.264 Technology With One Bi-directional Audio Channel And 12V DC Universal Power Supply (Verint S1801E) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	832.40	48.23
34 41 16 00-0120	EA		16-Port Video Encoder Featuring H.264 Technology (Verint S1816E) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	4,456.44	48.23
34 41 16 00-0121	EA		Encoder H.264 Compact, Hiperfmc (Verint S1802E) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,072.35	48.23
34 41 16 00-0122	EA		110 Volt AC To 12 Volt DC At 45 Watt, Transformer (Verint PS1261) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	149.93	24.07
34 41 16 00-0123	EA		1-Channel Encoder, H.264 Dual-Streaming, SD Card Slot (Bosch VIP-X1XF-E) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	517.06	48.23
34 41 16 00-0124	EA		Single/Quad-Stream Decoder (Bosch VIP-XD) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,332.08	48.23
34 41 16 00-0125	EA		1-Output, Outdoor-Rated CCTV Power Supply Unit, 24/26/28 Volt AC (Pelco WCS1-4) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	241.23	48.13
34 41 16 00-0126	EA		4-Outputs, Outdoor-Rated CCTV Power Supply With Circuit Breaker, 24/28 Volt AC (Pelco WCS4-20B) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	537.05	48.13
34 41 16 00-0127	EA		12.5KVA, 12 Volt, 75Ah, UPS Battery (UPG UB12750) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	204.06	12.06
34 41 16 00-0128	EA		Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports (EtherWAN EX71440-B0B) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	2,571.56	96.26
34 41 16 00-0129	EA		Power Supply, Hardened, External 100-240 Volt AC Input; TS2 rated; 12 Volt DC Output Power (EtherWAN 41-136046-1) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	163.44	24.07
34 41 16 00-0130	EA		4kVA / 3.6kW Split-Phase Power Module (Eaton 9PXMSPPM) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	2,326.25	48.13
34 41 16 00-0131	EA		208-240 Volt, 4-20kVA Rack/Tower UPS (Eaton 9PXM) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	5,514.04	238.24
34 41 16 00-0132	EA		30 Amperes, 600 Volt, 3-Pole, Fusible, NEMA 3R Rainproof, Safety Switch (Square D H361RB) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	747.37	125.14
34 41 16 00-0133	EA		30 Amperes, 600 Volt, LKS Fuse (Eaton Bussmann LKS-30) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	19.46	7.70
34 41 16 00-0134	EA		60 Amperes, 600 Volt, 3-Pole, Fusible, Heavy Duty, Safety Switch (Square D H362DS) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,911.86	96.26
34 41 16 00-0135	EA		60 Amperes, 600 Volt, Dual Element, Time-Delay Fuse (Eaton Bussmann FRS-R-60) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	41.54	7.70
34 41 16 00-0136	EA		50 Mbps, MIMO 2x2, 15 dBi Integrated Antenna (Proxim Wireless TSUNAMI QB-820) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,694.79	55.29
34 41 16 00-0137	EA		Singlemode Loaded Fiber Adapter Panel, 6 Simplex SC/UPC Adapters (Multi-Link 10-4810) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	99.41	36.58
34 41 16 00-0138	EA		12" x 6" x 5-1/2", 2 Panel, 2 Splice Dual Security Door, Compact Wall Mount Fiber Distribution Unit (Multilink 10-4469) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	274.35	48.13
34 41 16 00-0139	EA		Single AC Inlet, 8 Nema 5-15 Outlets, Built-in AC Current Drawing Sensing Module (Synaccess NP-0801DT) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	475.00	12.54
34 41 16 00-0140	EA		Aggregated TRMS AC Current Sensing, One Readout For All Outlets (Synaccess NP-0801DT(H)) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	511.74	12.54
34 41 16 00-0141	EA		550 Watt, 120 Volt AC, Fan Heater With Adjustable Thermostat, 32-140 Degree Fahrenheit (Stego CR-027) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	274.12	19.25
34 41 16 00-0142	EA		10/100M Switch, 4 x 1G Combo, LAN Base (Cisco IE-4000-4TC4G-E) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	3,299.75	115.51
34 41 16 00-0143	EA		12 Port, 2 Panel, Wall Mount, Compact Fiber Distribution Unit (Multilink FWM012XLC) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	124.79	22.14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0144 EA 6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel (MultiLink MSC-06-SM-C-BLK) .....	31.66	4.81
34 41 16 00-0145 EA 170 Watt AC To DC, Industrial Ethernet Family Power Supply (Cisco PWR-IE170W-PC-AC) .....	957.26	48.13
34 41 16 00-0146 EA 12 Port, Industrial Ethernet Layer 3 Switch Installed In Transportation Control Equipment (Cisco IE-4000-4GC4GP4G-E) .....	3,312.03	96.26
34 41 16 00-0147 EA 2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line Uninterruptible Power Supply (UPS) (Xtreme Power P90-3000) .....	2,440.28	158.83
34 41 16 00-0148 EA 100 Amperes, 16 Circuit, Main Lug Load Center Panelboard, 8-1 AWG, 120/240 Volt, Single Phase (Square D QO816L100DS) .....	613.02	275.31
34 41 16 00-0149 EA 70 Amperes, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase (Square D QO24L70S) .....	427.43	192.53
34 41 16 00-0150 EA 60 Amperes, 120/240 Volt, 2 Pole Common Trip Miniature Circuit Breaker, Plug On Mounting (Square D QO260) .....	86.01	25.99
34 41 16 00-0151 EA 15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QOT1515) .....	64.64	17.33
34 41 16 00-0152 EA 15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120) .....	51.50	17.33
34 41 16 00-0153 EA 20 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120) .....	51.50	17.33
34 41 16 00-0154 EA One Output Outdoor-rated CCTV Power Supply Unit, 24/26/28 Volt AC At 4 Amperes Total Supply Current, Fuse Protected Output, UL Listed (Pelco WCS1-4) .....	241.23	48.13
34 41 16 00-0155 EA DIN Rail Mount, Switching Power Supply (TKH Security PSR12DC) .....	228.30	24.12
34 41 16 00-0156 EA H.264 Multi-codec Video Encoder With Audio, Data And CC's (TKH Security C-60-E-MC) .....	2,094.45	24.12
34 41 16 00-0157 EA Expansion Power Module For IE-3000-4TC And IE-3000-8TC (Cisco PWR-IE50W-AC-IEC) .....	409.17	12.54
34 41 16 00-0158 EA Traffic Monitoring System (BlueToad Spectra Cellular/Solar Version) .....	8,416.44	165.88
34 41 16 00-0159 EA Ubiquiti Rocket M9 Wireless Access Point (ROCKETM9) .....	332.42	55.29

**34 41 33 In Roadway Warning Lights (34 41)**

<b>34 41 33 00-0001 In-Road Warning Light (IRWL) Pedestrian Safety System (34 41 33)</b>		
34 41 33 00-0002 EA SC320 Controller: NEMA 3R Aluminum Pole Mount Cabinet; Spot Devices, Inc. #SC320036 .....	5,201.78	136.30
34 41 33 00-0003 EA Spread Spectrum Local Wireless Activation; Spot Devices, Inc. #SC320026 .....	402.34	11.00
34 41 33 00-0004 EA SC320AA: Passive Activation Bollard Pair, AC SC320 Controller; Spot Devices, Inc. #BA300000-D .....	11,050.94	285.77
34 41 33 00-0005 EA Whitney RS320 Road Spot: Amber Bidirectional; Spot Devices, Inc. #RS320701-D .....	2,577.09	65.95
34 41 33 00-0006 EA Polara Bulldog Pushbutton With LED And tone, R62E Sign With RIG; Spot Devices, Inc. #PB101131 .....	448.92	11.00
34 41 33 00-0007 EA LED Enhanced Sign - 30" W11-2 Crosswalk Sign (Spot Devices, Inc. SL201011) .....	2,120.40	54.96
Note: Excludes controller.		
34 41 33 00-0008 EA SB435: RRFB, Gen2, Large, With Single Pedestrian Signal (Spot Devices, Inc. SB110015) .....	1,300.19	32.98
Note: Includes mounts.		
34 41 33 00-0009 EA Sign, W11-2 Crosswalk, 30", FYG With Mount; Spot Devices, Inc. #SG101102 .....	238.30	6.59
34 41 33 00-0010 EA Sign, W16-7p Left Down Arrow, 12", FYG With Mount; Spot Devices, Inc. #SG101103 .....	82.01	2.20
34 41 33 00-0011 EA RS300: Interconnect 16/4 Dual Plug Cable, 7 ft; Spot Devices, Inc. #RS301624 .....	89.78	2.20
34 41 33 00-0012 EA RSV3 Installation Kit; Spot Devices, Inc. #RS308977 .....	123.03	3.30
34 41 33 00-0013 EA RS300: Female-to-Female Interconnect 16/4 Dual Plug Cable, 25'; Spot Devices, Inc. #RS301644 .....	212.82	5.50
34 41 33 00-0014 EA RS300: Interconnect 16/4 Dual Plug Cable, 7' Length; Spot Devices, Inc. #RS301624 .....	89.78	2.20
34 41 33 00-0015 EA RS300: Lead-in Cable, 12/4 Single Plug, 75' Length; Spot Devices, Inc. #RS301651 .....	312.57	8.79
34 41 33 00-0016 EA RS300: Lead-in Cable, 12/4 Single Plug, 50' Length; Spot Devices, Inc. #RS301650 .....	261.59	6.59
34 41 33 00-0017 EA Plug, Dummy Female; Spot Devices, Inc. #RS301603 .....	24.60	0.66
34 41 33 00-0018 EA Liquid Conduit Polymeric Asphalt Formula; Spot Devices, Inc. #RS308931 .....	135.89	
34 41 33 00-0019 LF Cable, Peripheral, 18/2 SO Burial, Unterminated; Spot Devices, Inc. #SC202602 .....	1.64	
34 41 33 00-0020 LF DC Interconnect Wire. 12/2 SO Burial, Unterminated; Spot Devices, Inc. #SC202603 .....	2.05	

**34 70 Transportation Construction and Equipment (34)**

**34 71 Roadway Construction (34 70)**

**34 71 13 Vehicle Barriers (34 71)**

**34 71 13 13 Vehicle Median Barriers (34 71 13)**

<b>34 71 13 13-0001 Concrete Median Barrier (34 71 13 13)</b>		
34 71 13 13-0002 LF Median Barrier, Precast, 42" High Single Face .....	54.45	3.64
34 71 13 13-0003 LF Median Barrier, Precast, 32" High, 2' Wide Base, Double Face .....	94.98	3.64
34 71 13 13-0004 LF Median Barrier, Precast, 42" High, 2' Wide Base, Double Face .....	137.08	3.64
34 71 13 13-0005 LF Median Barrier, Cast In Place With Steel Forms .....	40.45	5.72
34 71 13 13-0006 LF Median Barrier, Slipformed Concrete .....	32.26	2.97

**34 71 13 16 Vehicle Crash Barriers (34 71 13)**

<b>34 71 13 16-0001 Impact Barrier, Non-Redirective (34 71 13 16)</b>		
<b>34 71 13 16-0002 Sand Barrel Impact Attenuator (34 71 13 16-0001)</b>		
Note: Includes containers, inserts, and lid. Excludes sand.		
34 71 13 16-0003 EA 200, 400 Or 700 LB Sand Barrel .....	644.12	43.43
Note: Includes containers, inserts, and lid.		

**34 71 13 26 Vehicle Guide Rails (34 71 13)**

<b>34 71 13 26-0001 Mobilize Guide Rail Crew (34 71 13 26)</b>		
34 71 13 26-0002 EA Mobilize Guide Rail Crew .....	1,128.19	
Note: Excludes equipment mobilization.		
<b>34 71 13 26-0003 Corrugated Beam Guide Rail (34 71 13 26)</b>		

**34 Transportation****34 70 Transportation Construction and Equipment****34 71 Roadway Construction**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
34 71 13 26-004		Corrugated Beam Guide Railing <small>(34 71 13 26-0003)</small>		
34 71 13 26-005		Corrugated Beam Guide Railing, Straight Sections <small>(34 71 13 26-0004)</small> Note: Add additional length for back-up sections.		
34 71 13 26-006	LF	Corrugated Beam Guide Railing .....	16.34	2.02
34 71 13 26-007	LF	Corrugated Beam Guide Railing (Rustic) .....	17.63	2.02
34 71 13 26-008		Corrugated Beam Guide Railing, Shop Curved <small>(34 71 13 26-0004)</small> Note: Add additional length for back-up sections.		
34 71 13 26-009	LF	Shop Curved Corrugated Beam Guide Railing .....	21.39	2.02
34 71 13 26-010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) .....	23.17	2.02
34 71 13 26-011	LF	Shop Curved Corrugated Beam Guide Railing End .....	55.07	2.02
34 71 13 26-012	LF	Note: Treatment for mall barriers driveways, walkways, special end, etc. Shop Curved Corrugated Beam Guide Railing (Rustic) End .....	60.10	2.02
		Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.		
34 71 13 26-013		Corrugated Beam Guide Railing, Manufactured End Sections <small>(34 71 13 26-0003)</small>		
34 71 13 26-014	EA	Corrugated Beam Guide Railing End Section At Anchor Unit .....	122.78	26.59
34 71 13 26-015	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit .....	129.66	26.59
34 71 13 26-016	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section .....	164.02	26.59
34 71 13 26-017	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic) .....	170.90	26.59
34 71 13 26-018	EA	Corrugated Beam Guide Railing 225 Degree End Section .....	164.02	26.59
34 71 13 26-019	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic) .....	170.90	26.59
34 71 13 26-020		Corrugated Beam Guide Rail Posts <small>(34 71 13 26-0003)</small> Note: Includes mounting hardware.		
34 71 13 26-021	EA	Standard Post For Corrugated Beam Guide Rail .....	128.34	13.77
		For Installation Without Soil Plate, Deduct .....	-5.00	
		For Installation In Rock, Add .....	3.67	
34 71 13 26-022	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail .....	135.21	13.77
		For Installation Without Soil Plate, Deduct .....	-5.00	
		For Installation In Rock, Add .....	3.67	
34 71 13 26-023	EA	Extra Long Post For Corrugated Beam Guide Rail .....	142.08	13.77
		For Installation Without Soil Plate, Deduct .....	-5.00	
		For Installation In Rock, Add .....	3.67	
34 71 13 26-024	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail .....	148.96	13.77
		For Installation Without Soil Plate, Deduct .....	-5.00	
		For Installation In Rock, Add .....	3.67	
34 71 13 26-025	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail .....	128.34	13.77
		For Installation Without Soil Plate, Deduct .....	-5.00	
		For Installation In Rock, Add .....	3.67	
34 71 13 26-026	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post .....	183.32	13.77
		For Installation In Rock, Add .....	3.67	
34 71 13 26-027		Heavy Post Blocked Out Corrugated Beam Guide Rail Posts <small>(34 71 13 26-0003)</small> Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-028	EA	Standard Post For Heavy Post Blocked Out Corrugated Beam Guide .....	128.34	13.77
34 71 13 26-029	EA	Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide .....	135.21	13.77
34 71 13 26-030	EA	Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide .....	142.08	13.77
34 71 13 26-031	EA	Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail .....	148.96	13.77
		Note: For heavy post blocked out corrugated beam guide (rustic)		
34 71 13 26-032	EA	Type A Post 1630mm Post .....	124.90	13.77
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-033	EA	Type A Post 1630mm Post (Rustic) .....	131.77	13.77
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-034	EA	Type B Post 1460mm .....	118.03	13.77
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-035	EA	Type B Post 1460mm (Rustic) .....	124.90	13.77
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-036	EA	Type C Post 1290mm .....	111.15	13.77
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-037	EA	Type C Post 1290mm (Rustic) .....	118.03	13.77
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-038	EA	Breakaway Wood Or Steel Post In Steel Foundation Tube .....	473.11	13.77
34 71 13 26-039	EA	Wood, Metal, Plastic Or Composite Offset Block Or Beam .....	52.73	13.77
		Note: For heavy post blocked out corrugated beam guide rail.		
34 71 13 26-040		Corrugated Beam Guide Rail Accessories <small>(34 71 13 26-0003)</small>		
34 71 13 26-041	EA	Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C .....	109.04	30.21
34 71 13 26-042		Corrugated Beam Guide Rail Repair for Existing Guide Rail <small>(34 71 13 26-0003)</small> Note: Includes associated hardware.		
34 71 13 26-043	LF	Removal And Storage Of Corrugated Beam Guide Railing And Post .....	11.81	
34 71 13 26-044	EA	Install Stored Post For Corrugated Beam Guide Rail .....	40.30	
34 71 13 26-045	LF	Install Stored Corrugated Beam Guide Railing And Post .....	6.85	
34 71 13 26-046		Corrugated Thrie Beam Guide Railing <small>(34 71 13 26-0003)</small>		
34 71 13 26-047		Corrugated Thrie Beam Guide Railing, Straight Sections <small>(34 71 13 26-0046)</small> Note: Add additional length for back-up sections.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0048 LF Corrugated Thrie Beam Guide Railing .....	38.47	2.54
34 71 13 26-0049 LF Corrugated Thrie Beam Guide Railing (Rustic).....	40.57	2.54
<b>34 71 13 26-0050 Corrugated Thrie Beam Guide Railing. Shop Curved</b> <small>(34 71 13 26-0046)</small>		
<small>Note: Add additional length for back-up sections.</small>		
34 71 13 26-0051 LF Shop Curved Corrugated Thrie Beam Guide Railing .....	46.85	2.54
34 71 13 26-0052 LF Shop Curved Corrugated Thrie Beam Guide Railing (Rustic).....	48.95	2.54
<b>34 71 13 26-0053 Corrugated Thrie Beam Guide Rail Posts</b> <small>(34 71 13 26-0046)</small>		
<small>Note: Includes hardware for mounting.</small>		
34 71 13 26-0054 EA Standard Post For Corrugated Thrie Beam Guide Rail.....	154.60	2.54
<small>For Installation Without Soil Plate, Deduct</small>		
<small>For 32" Soil Plate, Add</small>		
	-5.00	
	7.00	
34 71 13 26-0055 EA Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail.....	161.47	2.54
<small>For Installation Without Soil Plate, Deduct</small>		
<small>For 32" Soil Plate, Add</small>		
	-5.00	
	7.00	
<b>34 71 13 26-0056 Timber Guide Rails</b> <small>(34 71 13 26)</small>		
<small>Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.</small>		
<b>34 71 13 26-0057 Timber Guide Rail Posts</b> <small>(34 71 13 26-0056)</small>		
34 71 13 26-0058 EA 6" x 8" Timber Guide Rail Post.....	82.94	10.07
34 71 13 26-0059 EA 6" x 9" Timber Guide Rail Post.....	94.30	10.07
34 71 13 26-0060 EA 10" x 10" Timber Guide Rail Post.....	183.35	10.07
34 71 13 26-0061 EA 10" x 12" Timber Guide Rail Post.....	193.97	10.07
34 71 13 26-0062 EA 12" x 12" Timber Guide Rail Post.....	224.25	10.07
<b>34 71 13 26-0063 Timber Guide Rails</b> <small>(34 71 13 26-0056)</small>		
<small>Note: Excludes posts, spacer blocks and steel backup plates.</small>		
34 71 13 26-0064 LF 4" x 9" Timber Guide Rail.....	10.29	1.20
34 71 13 26-0065 LF 6" x 10" Timber Guide Rail.....	14.38	1.20
34 71 13 26-0066 LF 6" x 12" Timber Guide Rail.....	16.78	1.20
<b>34 71 13 26-0067 Spacer Blocks For Timber Guide Rails</b> <small>(34 71 13 26-0056)</small>		
34 71 13 26-0068 EA 4" x 9" Spacer Block For Timber Guide Rails.....	13.40	1.61
34 71 13 26-0069 EA 6" x 8" Spacer Block For Timber Guide Rails.....	15.36	1.61
34 71 13 26-0070 EA 8" x 8" Spacer Block For Timber Guide Rails.....	17.86	1.61
<b>34 71 13 26-0071 Weathering Steel Backup Plates For Timber Guide Rails</b> <small>(34 71 13 26-0056)</small>		
34 71 13 26-0072 LF 6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	18.40	1.00
<b>34 71 13 26-0073 Weathering Steel Splice And Bearing Plates For Timber Guide Rails</b> <small>(34 71 13 26-0056)</small>		
34 71 13 26-0074 EA Weathering Steel Splice Plate For Timber Guide Rails.....	129.44	14.10
34 71 13 26-0075 EA Weathering Steel Bearing Termination Plate For Timber Guide Rails .....	81.43	10.07
<b>34 71 13 26-0076 Cable Guide Rail</b> <small>(34 71 13 26)</small>		
<b>34 71 13 26-0077 Cable Guide Rail</b> <small>(34 71 13 26-0076)</small>		
34 71 13 26-0078 LF Cable (Each Cable).....	8.77	2.18
<small>Note: Includes tensioning. Excludes splices.</small>		
34 71 13 26-0079 EA Cable Splice With Wedges.....	226.34	15.11
<b>34 71 13 26-0080 Cable Guide Rail Posts</b> <small>(34 71 13 26-0076)</small>		
<small>Note: Includes hardware for cable mounting.</small>		
34 71 13 26-0081 EA Standard Post for Cable Guide Rail.....	164.31	45.91
<small>For Installation Without Soil Plate, Deduct</small>		
<small>For Installation In Rock, Add</small>		
	-5.00	
	12.24	
34 71 13 26-0082 EA Standard Post (Rustic) for Cable Guide Rail.....	171.19	45.91
<small>For Installation Without Soil Plate, Deduct</small>		
<small>For Installation In Rock, Add</small>		
	-5.00	
	12.24	
34 71 13 26-0083 EA Extra Long Post for Cable Guide Rail.....	171.19	45.91
<small>For Installation Without Soil Plate, Deduct</small>		
<small>For Installation In Rock, Add</small>		
	-5.00	
	12.24	
34 71 13 26-0084 EA Extra Long Post (Rustic) for Cable Guide Rail.....	178.06	45.91
<small>For Installation Without Soil Plate, Deduct</small>		
<small>For Installation In Rock, Add</small>		
	-5.00	
	12.24	
34 71 13 26-0085 EA Slip Impact Post Top for Anchor Unit.....	106.96	18.36
34 71 13 26-0086 EA Slip Impact Post Base and Keeper Plate .....	278.80	18.36
<small>Note: For anchor unit.</small>		
<b>34 71 13 26-0087 Cable Guide Rail Accessories For Breakaway Anchor Angle Systems</b> <small>(34 71 13 26-0076)</small>		
34 71 13 26-0088 EA Turnbuckle Cable End Assembly For Use With Breakaway Anchors .....	502.85	201.86
34 71 13 26-0089 EA Turnbuckle Cable End Assembly .....	150.92	10.09
34 71 13 26-0090 EA Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors.....	487.83	5.02
34 71 13 26-0091 EA Spring Cable End Assembly (Compensating Device) Without Turnbuckle .....	501.58	5.02

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0092	EA		Breakaway Anchor Angle.....	192.16	10.09
34 71 13 26-0093	EA		Standard End Post Cap Assembly.....	89.17	5.02
34 71 13 26-0094	EA		Driveway End Post Cap Assembly.....	75.43	5.02
34 71 13 26-0095	EA		End Post Ground Support Plates.....	41.06	5.02
34 71 13 26-0096	EA		11" Stud Bolt, Cable Guide Rail.....	35.90	5.02
34 71 13 26-0097	EA		18" Stud Bolt, Cable Guide Rail.....	42.78	5.02
34 71 13 26-0098	EA		25" Stud Bolt, Cable Guide Rail.....	49.65	5.02
34 71 13 26-0099	EA		1-1/4" Diameter Turnbuckle, Cable Guide Rail.....	425.86	10.09
34 71 13 26-0100	EA		1-1/2" Diameter Turnbuckle, Cable Guide Rail.....	453.35	10.09
34 71 13 26-0101	EA		5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail.....	302.14	10.09
34 71 13 26-0102	EA		5/8" Eye Bolt 18" Long, Cable Guide Rail.....	185.40	5.02
34 71 13 26-0103	EA		3/4" Eye Bolt 8'-6" Long, Cable Guide Rail.....	192.16	10.09
34 71 13 26-0104	EA		1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail.....	205.72	15.11
<b>34 71 13 26-0105</b>			<b>Cable Guide Rail Accessories For Slip Impact Post Systems</b> (34 71 13 26-0076)		
34 71 13 26-0106	EA		Turnbuckle Cable End Assembly..... Note: For use with slip impact post.	343.49	15.34
34 71 13 26-0107	EA		Spring Cable End Assembly (Compensating Device)..... Note: For use with slip impact post.	673.42	15.34
34 71 13 26-0108	EA		Anchor Angle For Slip Impact Post System.....	199.15	15.34
34 71 13 26-0109	EA		Cable End Assembly Rod..... Note: Includes cable end, threaded rod and keeper to anchor angle.	164.78	15.34
<b>34 71 13 26-0110</b>			<b>Cable Guide Rail Repair For Existing Guide Rail</b> (34 71 13 26-0076)		
			Note: All tasks include associated hardware.		
34 71 13 26-0111	LF		Retention Existing Cable (Each Cable).....	1.34	
34 71 13 26-0112	LF		Removal And Storage Of Cable Guide Railing.....	8.12	
34 71 13 26-0113	EA		Install Stored Post For Cable Guide Railing.....	61.21	
34 71 13 26-0114	LF		Install Stored Cable, (Each Cable)..... Note: Includes retensioning. Excludes splices.	3.59	
<b>34 71 13 26-0115</b>			<b>6" x 6" Box Beam Guide Rail</b> (34 71 13 26)		
<b>34 71 13 26-0116</b>			<b>Box Beam Guide Rail, 6" x 6"</b> (34 71 13 26-0115)		
<b>34 71 13 26-0117</b>			<b>Straight Sections, Box Beam Guide Rail</b> (34 71 13 26-0116)		
34 71 13 26-0118	LF		Box Beam Guide Railing 6" x 6" x 3/16" Galvanized..... Note: Excludes splices.	46.33	2.54
			For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0119	LF		Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)..... Note: Excludes splices.	52.61	2.54
			For Flush Mounting Directly To Structure, Add	1.83	
<b>34 71 13 26-0120</b>			<b>Shop Curved, Box Beam Guide Rail</b> (34 71 13 26-0116)		
34 71 13 26-0121	LF		Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized..... Note: Excludes splices.	70.42	2.54
			For Shop Curved At <20' Radius, Add	2.44	
			For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0122	LF		Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)..... Note: Excludes splices.	76.71	2.54
			For Shop Curved At <20' Radius, Add	2.44	
			For Flush Mounting Directly To Structure, Add	1.83	
<b>34 71 13 26-0123</b>			<b>Box Beam Guide Rail End Treatment Sections</b> (34 71 13 26-0115)		
			Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0124	EA		Box Beam End Piece Guide Railing Section..... Note: Galvanized excludes splices.	727.65	30.21
34 71 13 26-0125	EA		Box Beam End Piece Guide Railing Section (Rustic)..... Note: Excludes splices.	803.26	30.21
34 71 13 26-0126	EA		Box Beam Guide Railing End Treatment Section At Driveway, Galvanized..... Note: Excludes splices.	686.41	30.21
34 71 13 26-0127	EA		Box Beam Guide Railing End Treatment Section At Driveway, (Rustic)..... Note: Excludes splices.	713.90	30.21
<b>34 71 13 26-0128</b>			<b>Splices For Box Beam Guide Rail</b> (34 71 13 26-0115)		
34 71 13 26-0129	EA		Splice For Box Beam Guide Rail.....	192.81	44.86
34 71 13 26-0130	EA		Splice For Box Beam Guide Rail (Rustic).....	240.93	44.86
<b>34 71 13 26-0131</b>			<b>Box Beam Guide Rail Posts</b> (34 71 13 26-0115)		
			Note: Includes hardware for box beam mounting.		
34 71 13 26-0132	EA		Standard Post For Box Beam Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	171.19 -5.00 12.24	45.91
34 71 13 26-0133	EA		Standard Post (Rustic) for Box Beam Guide Railing..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	178.06 -5.00 12.24	45.91
34 71 13 26-0134	EA		Extra Long Post For Box Beam Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	184.93 -5.00 12.24	45.91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0135 EA Extra Long Post (Rustic) For Box Beam Guide Rail..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	191.81 -5.00 12.24	45.91
34 71 13 26-0136 EA Type I End Assembly Post..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	164.31 -5.00 12.24	45.91
34 71 13 26-0137 EA Type I End Assembly Post (Rustic)..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	171.19 -5.00 12.24	45.91
34 71 13 26-0138 EA Type II End Assembly Post..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	157.44 -5.00 12.24	45.91
34 71 13 26-0139 EA Type II End Assembly Post (Rustic)..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	164.31 -5.00 12.24	45.91
<b>34 71 13 26-0140 Box Beam Guide Rail Accessories</b> (34 71 13 26-0115)		
34 71 13 26-0141 EA Box Beam Guide Rail End Cover Plate.....	94.57	9.07
34 71 13 26-0142 EA Box Beam Guide Rail End Cover Plate (Rustic).....	101.45	9.07
<b>34 71 13 26-0143 Box Beam Guide Railing Repair, And Resetting</b> (34 71 13 26-0115)		
<i>Note: For existing guide rail.</i>		
34 71 13 26-0144 LF Removal And Storage Of Box Beam Guide Rail And Post.....	3.98	
34 71 13 26-0145 LF Reset Box Beam Guide Rail.....	11.61	
<b>34 71 13 26-0146 6" x 8" Box Beam Median Barrier</b> (34 71 13 26)		
<b>34 71 13 26-0147 Box Beam Median Barrier, 6" x 8"</b> (34 71 13 26-0146)		
<b>34 71 13 26-0148 Straight Sections, Box Beam Median Barrier</b> (34 71 13 26-0147)		
34 71 13 26-0149 LF Box Beam Median Barrier Galvanized Excludes Splices..... <i>For Flush Mounting Directly To Structure, Add</i>	78.08 1.83	9.07
34 71 13 26-0150 LF Box Beam Median Barrier (Rustic) Excludes Splices..... <i>For Flush Mounting Directly To Structure, Add</i>	84.37 1.83	9.07
<b>34 71 13 26-0151 Shop Curved, Box Beam Median Barrier</b> (34 71 13 26-0147)		
34 71 13 26-0152 LF Shop Curved Box Beam Median Barrier Galvanized..... <i>Note: Excludes splices.</i> <i>For Shop Curved At &lt;20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	94.60 2.44 1.83	9.07
34 71 13 26-0153 LF Shop Curved Box Beam Median Barrier Rustic..... <i>Note: Excludes splices.</i> <i>For Shop Curved At &lt;20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	115.23 2.44 1.83	9.07
<b>34 71 13 26-0154 Box Beam Median Barrier End Treatment Sections</b> (34 71 13 26-0146)		
<i>Note: Includes rail, end cover plate and hardware. Excludes posts.</i>		
34 71 13 26-0155 EA Box Beam Median Barrier Type A End Treatment Section, Galvanized.....	2,370.42	30.21
34 71 13 26-0156 EA Box Beam Median Barrier Type A End Treatment Section (Rustic)..... <i>Note: Excludes splices and post.</i>	2,425.40	30.21
34 71 13 26-0157 EA Box Beam Median Barrier Type B End Treatment Section, Galvanized..... <i>Note: Excludes splices and post.</i>	2,370.42	30.21
34 71 13 26-0158 EA Box Beam Median Barrier Type B End Treatment Section (Rustic)..... <i>Note: Excludes splices and post.</i>	2,425.40	30.21
<b>34 71 13 26-0159 Splices For Box Beam Median Barrier</b> (34 71 13 26-0146)		
34 71 13 26-0160 EA Splice for Box Beam Median Barrier.....	183.45	24.18
34 71 13 26-0161 EA Splice for Box Beam Median Barrier (Rustic).....	286.55	24.18
<b>34 71 13 26-0162 Box Beam Median Barrier Posts Driven With Soil Plate</b> (34 71 13 26-0146)		
<i>Note: Includes all associated hardware.</i>		
34 71 13 26-0163 EA Standard Post for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	171.19 -5.00 12.24	45.91
34 71 13 26-0164 EA Standard Post (Rustic) for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	178.06 -5.00 12.24	45.91
34 71 13 26-0165 EA Extra Long Post for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	184.93 -5.00 12.24	45.91
34 71 13 26-0166 EA Extra Long Post (Rustic) for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	191.81 -5.00 12.24	45.91
34 71 13 26-0167 EA Type B End Treatment or Rub Back Anchor Post for Box Beam..... <i>Note: For median barrier.</i> <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	157.44 -5.00 12.24	45.91

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34 71	13 26-0168	EA	Type B End Treatment or Rub Back Anchor Post (Rustic)..... Note: For box beam median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	157.44 -5.00 12.24	45.91
34 71	13 26-0169	EA	Type I End Assembly Post for Box Beam Median Barrier to Concrete..... Note: For median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	184.93 -5.00 12.24	45.91
34 71	13 26-0170	EA	Type I End Assembly Post (Rustic) for Box Beam Median Barrier..... Note: For Concrete median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	191.81 -5.00 12.24	45.91
<b>34 71</b>	<b>13 26-0171</b>		<b>Box Beam Median Barrier Accessories</b> (34 71 13 26-0146)		
34 71	13 26-0172	EA	Box Beam Median Barrier End Cover Plate.....	118.15	21.27
34 71	13 26-0173	EA	Box Beam Median Barrier End Cover Plate (Rustic).....	125.02	21.27
<b>34 71</b>	<b>13 26-0174</b>		<b>Box Beam Median Barrier Repair, And Resetting</b> (34 71 13 26-0146)		
			Note: For existing guide rail.		
34 71	13 26-0175	LF	Removal And Storage Of Box Beam Median Barrier and Posts.....	4.11	
34 71	13 26-0176	LF	Reset Box Beam Median Barrier.....	12.16	
<b>34 71</b>	<b>13 26-0177</b>		<b>Universal Guide Rail Items</b> (34 71 13 26)		
<b>34 71</b>	<b>13 26-0178</b>		<b>Guide Rail Concrete Anchor Units For All Types Of Guide Rail</b> (34 71 13 26-0177)		
			Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71	13 26-0179	CY	Guide Rail Concrete Anchor Unit..... <i>For Each Additional Set Of Anchor Rods, Add</i>	663.93 38.00	
34 71	13 26-0180	EA	Reset Existing Anchorage Unit for All Types of Guide Rail..... Note: Includes excavation and backfill.	462.11	
34 71	13 26-0181	EA	Removal Of Guide Rail Concrete Anchor Unit.....	509.61	
<b>34 71</b>	<b>13 26-0182</b>		<b>Guide Rail Repair For All Types Of Existing Guide Rail</b> (34 71 13 26-0177)		
			Note: All tasks include associated hardware.		
34 71	13 26-0183	EA	Straighten And Reset Driven Post For Guide Rail.....	61.21	
34 71	13 26-0184	EA	Straighten And Reset Post Mounted On Concrete For Guide Rail..... Note: With base plate for guide rail. Includes new anchor bolts.	71.11	
<b>34 71</b>	<b>13 26-0185</b>		<b>Additional Wood and Steel Posts</b> (34 71 13 26-0177)		
34 71	13 26-0186	LF	4" x 6" Wood Post..... <i>For Installation In Rock, Add</i>	53.09 4.09	15.34
34 71	13 26-0187	LF	6" x 8" Wood Post..... <i>For Installation In Rock, Add</i>	63.40 4.09	15.34
34 71	13 26-0188	LF	6" x 7/8" Galvanized Steel Post..... <i>For Installation In Rock, Add</i>	39.91 4.09	15.34
34 71	13 26-0189	EA	Base Plate With Anchor Bolts For Mounting Post On Concrete.....	368.59	15.34
<b>34 71</b>	<b>13 26-0190</b>		<b>Accessories For All Types of Guide Rail</b> (34 71 13 26-0177)		
34 71	13 26-0191	EA	Reflector For Guard Rail.....	44.62	
<b>34 71</b>	<b>13 26-0192</b>		<b>Guide Rail Transitions</b> (34 71 13 26)		
<b>34 71</b>	<b>13 26-0193</b>		<b>Transition Box Beam Guide Rail To Corrugated Beam</b> (34 71 13 26-0192)		
34 71	13 26-0194	EA	Box Beam To Corrugated Beam Rail Bolted Section.....	681.56	
34 71	13 26-0195	EA	Box Beam To Corrugated Beam Rail Bolted Plate..... Note: For making cable connections.	406.62	
<b>34 71</b>	<b>13 26-0196</b>		<b>Transition Box Beam Median Barrier To Corrugated Beam Median</b> (34 71 13 26-0192)		
34 71	13 26-0197	EA	Box Beam Median Barrier To Corrugated Beam Bolted Section.....	695.31	
34 71	13 26-0198	EA	Box Beam Median Barrier To Corrugated Beam Harness Plate..... Note: For making cable connections.	406.62	
<b>34 71</b>	<b>13 26-0199</b>		<b>Transition Box Beam Guide Rail To Cable Guide Rail</b> (34 71 13 26-0192)		
34 71	13 26-0200	EA	Box Beam to Cable Guide Rail U-bolt And Plate.....	95.66	16.12
<b>34 71</b>	<b>13 26-0201</b>		<b>Transition Box Beam Median Barrier To Concrete Median Barrier</b> (34 71 13 26-0192)		
34 71	13 26-0202	EA	Box Beam Median Barrier To Concrete Barrier End Connection.....	956.50	
<b>34 71</b>	<b>13 26-0203</b>		<b>Transition Thrie Beam To Concrete Median Barrier</b> (34 71 13 26-0192)		
34 71	13 26-0204	EA	Thrie Beam Terminal Connector At Concrete Median Barrier.....	612.83	
34 71	13 26-0205	EA	Thrie Beam Transition Section To Corrugated Beam Guide Rail.....	784.66	



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>34 71 13 26-0206</b>		<b>Resilient Guard Fence And Light Shield</b> <small>(34 71 13 26)</small>		
34 71 13 26-0207	LF	Resilient Guard Fence And Light Shield, Up To 6' High.....	63.38	6.05
<b>34 71 13 26-0208</b>		<b>Individual Concrete Guard Rail Posts</b> <small>(34 71 13 26)</small>		
34 71 13 26-0209	EA	6'-5" Concrete Guard Rail Posts, Round.....	71.96	6.05
34 71 13 26-0210	EA	6'-5" Concrete Posts, Square.....	80.53	6.80
34 71 13 26-0211	EA	6'-5" Concrete Posts, Triangular.....	78.46	6.80
<b>34 71 16</b>		<b>Impact Attenuating Devices</b> <small>(34 71)</small>		
<b>34 71 16 00-0001</b>		<b>Guard Rail Energy Absorbing Terminals</b> <small>(34 71 16)</small>		
		Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
<b>34 71 16 00-0002</b>		<b>24" Wide Guard Rail Energy Absorbing Terminals</b> <small>(34 71 16 00-0001)</small>		
34 71 16 00-0003	EA	24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator.....	26,877.21	3,032.14
34 71 16 00-0004	EA	24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator.....	37,209.76	4,042.86
34 71 16 00-0005	EA	24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator.....	50,634.86	5,306.25
34 71 16 00-0006	EA	24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator.....	56,750.96	6,569.64
<b>34 71 16 00-0007</b>		<b>30" Wide Guard Rail Energy Absorbing Terminals</b> <small>(34 71 16 00-0001)</small>		
34 71 16 00-0008	EA	30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator.....	29,043.66	3,411.16
34 71 16 00-0009	EA	30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator.....	40,315.82	4,548.22
34 71 16 00-0010	EA	30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator.....	55,206.86	6,064.29
34 71 16 00-0011	EA	30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator.....	63,492.80	7,327.68
<b>34 71 16 00-0012</b>		<b>36" Wide Guard Rail Energy Absorbing Terminals</b> <small>(34 71 16 00-0001)</small>		
34 71 16 00-0013	EA	36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator.....	31,232.08	3,790.18
34 71 16 00-0014	EA	36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator.....	43,443.21	5,053.57
34 71 16 00-0015	EA	36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator.....	59,252.97	6,695.98
34 71 16 00-0016	EA	36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator.....	70,211.86	8,085.71
<b>34 71 16 00-0017</b>		<b>69" Wide Guard Rail Energy Absorbing Terminals</b> <small>(34 71 16 00-0001)</small>		
34 71 16 00-0018	EA	69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator.....	33,865.61	4,169.20
34 71 16 00-0019	EA	69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator.....	46,744.07	5,558.93
34 71 16 00-0020	EA	69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator.....	63,991.65	7,327.68
34 71 16 00-0021	EA	69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator.....	75,498.33	8,843.76
<b>34 71 16 00-0022</b>		<b>90" Wide Guard Rail Energy Absorbing Terminals</b> <small>(34 71 16 00-0001)</small>		
34 71 16 00-0023	EA	90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator.....	36,563.62	4,548.22
34 71 16 00-0024	EA	90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator.....	50,120.79	6,064.29
34 71 16 00-0025	EA	90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator.....	69,387.68	8,085.71
34 71 16 00-0026	EA	90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator.....	80,918.74	9,601.79
<b>34 71 19</b>		<b>Vehicle Delineators</b> <small>(34 71)</small>		
<b>34 71 19 16</b>		<b>Flexible Vehicle Delineators</b> <small>(34 71 19)</small>		
34 71 19 16-0001	EA	2' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	70.95	7.55
34 71 19 16-0002	EA	3' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	71.89	7.55
34 71 19 16-0003	EA	3-1/2' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	72.82	7.55
34 71 19 16-0004	EA	4' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	73.76	7.55

**END OF SECTION 34**

**34 Transportation**

**34 70 Transportation Construction and Equipment**

34 71 Roadway Construction

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 40 Process Interconnections

### 40 05 Common Work Results For Process Interconnections <sup>(40)</sup>

#### 40 05 19 Ductile Iron Process Pipe <sup>(40 05)</sup>

##### 40 05 19 00-0001 Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping <sup>(40 05 19)</sup>

Note: C110 Fittings, 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-2059 for bolts, 40 05 19 00-2074 for gaskets.

##### 40 05 19 00-0002 Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <sup>(40 05 19 00-0001)</sup>

##### 40 05 19 00-0003 4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <sup>(40 05 19 00-0002)</sup>

40 05 19 00-0004	EA 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	566.62	199.85
	For Class 52 Rating, Deduct	-29.02	
	For Class 54 Rating, Add	19.79	
	For Class 55 Rating, Add	43.98	
40 05 19 00-0005	EA 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	600.15	203.35
	For Class 52 Rating, Deduct	-32.13	
	For Class 54 Rating, Add	21.90	
	For Class 55 Rating, Add	48.68	
40 05 19 00-0006	EA 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	633.67	206.84
	For Class 52 Rating, Deduct	-35.23	
	For Class 54 Rating, Add	24.02	
	For Class 55 Rating, Add	53.39	
40 05 19 00-0007	EA 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	667.19	210.33
	For Class 52 Rating, Deduct	-38.34	
	For Class 54 Rating, Add	26.14	
	For Class 55 Rating, Add	58.09	
40 05 19 00-0008	EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	700.70	213.83
	For Class 52 Rating, Deduct	-41.44	
	For Class 54 Rating, Add	28.25	
	For Class 55 Rating, Add	62.80	
40 05 19 00-0009	EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	734.23	217.32
	For Class 52 Rating, Deduct	-44.55	
	For Class 54 Rating, Add	30.37	
	For Class 55 Rating, Add	67.51	
40 05 19 00-0010	EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	767.75	220.81
	For Class 52 Rating, Deduct	-47.65	
	For Class 54 Rating, Add	32.49	
	For Class 55 Rating, Add	72.21	
40 05 19 00-0011	EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	801.27	224.30
	For Class 52 Rating, Deduct	-50.76	
	For Class 54 Rating, Add	34.61	
	For Class 55 Rating, Add	76.92	
40 05 19 00-0012	EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	834.79	227.80
	For Class 52 Rating, Deduct	-53.86	
	For Class 54 Rating, Add	36.72	
	For Class 55 Rating, Add	81.62	
40 05 19 00-0013	EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	868.32	231.30
	For Class 52 Rating, Deduct	-56.97	
	For Class 54 Rating, Add	38.84	
	For Class 55 Rating, Add	86.33	
40 05 19 00-0014	EA 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	901.84	234.79
	For Class 52 Rating, Deduct	-60.07	
	For Class 54 Rating, Add	40.96	
	For Class 55 Rating, Add	91.03	
40 05 19 00-0015	EA 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	935.36	238.28
	For Class 52 Rating, Deduct	-63.18	
	For Class 54 Rating, Add	43.07	
	For Class 55 Rating, Add	95.74	
40 05 19 00-0016	EA 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	968.88	241.78
	For Class 52 Rating, Deduct	-66.28	
	For Class 54 Rating, Add	45.19	
	For Class 55 Rating, Add	100.45	
40 05 19 00-0017	EA 4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,002.40	245.27
	For Class 52 Rating, Deduct	-69.39	
	For Class 54 Rating, Add	47.31	
	For Class 55 Rating, Add	105.15	
40 05 19 00-0018	EA 4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,035.92	248.76
	For Class 52 Rating, Deduct	-72.49	
	For Class 54 Rating, Add	49.43	
	For Class 55 Rating, Add	109.86	
40 05 19 00-0019	EA 4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,069.45	252.25
	For Class 52 Rating, Deduct	-75.60	
	For Class 54 Rating, Add	51.54	
	For Class 55 Rating, Add	114.56	
40 05 19 00-0020	EA 4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,102.96	255.75
	For Class 52 Rating, Deduct	-78.70	
	For Class 54 Rating, Add	53.66	
	For Class 55 Rating, Add	119.27	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0021	EA		4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,136.49	259.25
			For Class 52 Rating, Deduct	-81.81	
			For Class 54 Rating, Add	55.78	
			For Class 55 Rating, Add	123.97	
40 05 19 00-0022	EA		4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,170.01	262.74
			For Class 52 Rating, Deduct	-84.91	
			For Class 54 Rating, Add	57.89	
			For Class 55 Rating, Add	128.68	
40 05 19 00-0023	EA		4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,203.54	266.23
			For Class 52 Rating, Deduct	-88.02	
			For Class 54 Rating, Add	60.01	
			For Class 55 Rating, Add	133.39	
40 05 19 00-0024	EA		4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,237.05	269.73
			For Class 52 Rating, Deduct	-91.12	
			For Class 54 Rating, Add	62.13	
			For Class 55 Rating, Add	138.09	
40 05 19 00-0025	EA		4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,270.58	273.22
			For Class 52 Rating, Deduct	-94.23	
			For Class 54 Rating, Add	64.25	
			For Class 55 Rating, Add	142.80	
40 05 19 00-0026	EA		4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,304.10	276.71
			For Class 52 Rating, Deduct	-97.33	
			For Class 54 Rating, Add	66.36	
			For Class 55 Rating, Add	147.50	
40 05 19 00-0027	EA		4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,337.61	280.21
			For Class 52 Rating, Deduct	-100.44	
			For Class 54 Rating, Add	68.48	
			For Class 55 Rating, Add	152.21	
40 05 19 00-0028	EA		4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,371.13	283.70
			For Class 52 Rating, Deduct	-103.54	
			For Class 54 Rating, Add	70.60	
			For Class 55 Rating, Add	156.91	
40 05 19 00-0029	EA		4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,404.65	287.20
			For Class 52 Rating, Deduct	-106.65	
			For Class 54 Rating, Add	72.71	
			For Class 55 Rating, Add	161.62	
40 05 19 00-0030	EA		4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,438.18	290.69
			For Class 52 Rating, Deduct	-109.75	
			For Class 54 Rating, Add	74.83	
			For Class 55 Rating, Add	166.32	
40 05 19 00-0031	EA		4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,471.70	294.19
			For Class 52 Rating, Deduct	-112.86	
			For Class 54 Rating, Add	76.95	
			For Class 55 Rating, Add	171.03	
40 05 19 00-0032	EA		4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,505.23	297.68
			For Class 52 Rating, Deduct	-115.96	
			For Class 54 Rating, Add	79.07	
			For Class 55 Rating, Add	175.74	
40 05 19 00-0033	EA		4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,538.74	301.17
			For Class 52 Rating, Deduct	-119.07	
			For Class 54 Rating, Add	81.18	
			For Class 55 Rating, Add	180.44	
40 05 19 00-0034	EA		4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,572.27	304.66
			For Class 52 Rating, Deduct	-122.17	
			For Class 54 Rating, Add	83.30	
			For Class 55 Rating, Add	185.15	
40 05 19 00-0035	EA		4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,605.79	308.16
			For Class 52 Rating, Deduct	-125.28	
			For Class 54 Rating, Add	85.42	
			For Class 55 Rating, Add	189.85	
40 05 19 00-0036	EA		4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,639.31	311.66
			For Class 52 Rating, Deduct	-128.38	
			For Class 54 Rating, Add	87.53	
			For Class 55 Rating, Add	194.56	
40 05 19 00-0037	EA		4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,672.82	315.15
			For Class 52 Rating, Deduct	-131.49	
			For Class 54 Rating, Add	89.65	
			For Class 55 Rating, Add	199.26	
40 05 19 00-0038	EA		4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,706.35	318.64
			For Class 52 Rating, Deduct	-134.59	
			For Class 54 Rating, Add	91.77	
			For Class 55 Rating, Add	203.97	
40 05 19 00-0039	EA		4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,739.87	322.14
			For Class 52 Rating, Deduct	-137.70	
			For Class 54 Rating, Add	93.88	
			For Class 55 Rating, Add	208.67	
40 05 19 00-0040	EA		4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,773.40	325.63
			For Class 52 Rating, Deduct	-140.80	
			For Class 54 Rating, Add	96.00	
			For Class 55 Rating, Add	213.38	
40 05 19 00-0041	EA		4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,806.91	329.12
			For Class 52 Rating, Deduct	-143.91	
			For Class 54 Rating, Add	98.12	
			For Class 55 Rating, Add	218.08	
40 05 19 00-0042	EA		4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,840.44	332.61
			For Class 52 Rating, Deduct	-147.01	
			For Class 54 Rating, Add	100.24	
			For Class 55 Rating, Add	222.79	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-0043	6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0044	EA 6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	716.63	251.56
	For Class 52 Rating, Deduct	-36.90	
	For Class 54 Rating, Add	25.16	
	For Class 55 Rating, Add	55.92	
40 05 19 00-0045	EA 6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	756.66	255.05
	For Class 52 Rating, Deduct	-40.72	
	For Class 54 Rating, Add	27.77	
	For Class 55 Rating, Add	61.72	
40 05 19 00-0046	EA 6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	796.70	258.55
	For Class 52 Rating, Deduct	-44.55	
	For Class 54 Rating, Add	30.37	
	For Class 55 Rating, Add	67.51	
40 05 19 00-0047	EA 6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	836.73	262.04
	For Class 52 Rating, Deduct	-48.37	
	For Class 54 Rating, Add	32.98	
	For Class 55 Rating, Add	73.30	
40 05 19 00-0048	EA 6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	876.77	265.54
	For Class 52 Rating, Deduct	-52.19	
	For Class 54 Rating, Add	35.58	
	For Class 55 Rating, Add	79.09	
40 05 19 00-0049	EA 6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	916.80	269.03
	For Class 52 Rating, Deduct	-56.01	
	For Class 54 Rating, Add	38.19	
	For Class 55 Rating, Add	84.88	
40 05 19 00-0050	EA 6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	956.85	272.52
	For Class 52 Rating, Deduct	-59.83	
	For Class 54 Rating, Add	40.79	
	For Class 55 Rating, Add	90.67	
40 05 19 00-0051	EA 6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	996.88	276.01
	For Class 52 Rating, Deduct	-63.65	
	For Class 54 Rating, Add	43.40	
	For Class 55 Rating, Add	96.46	
40 05 19 00-0052	EA 6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,036.91	279.51
	For Class 52 Rating, Deduct	-67.48	
	For Class 54 Rating, Add	46.01	
	For Class 55 Rating, Add	102.26	
40 05 19 00-0053	EA 6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,076.94	283.00
	For Class 52 Rating, Deduct	-71.30	
	For Class 54 Rating, Add	48.61	
	For Class 55 Rating, Add	108.05	
40 05 19 00-0054	EA 6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,116.98	286.50
	For Class 52 Rating, Deduct	-75.12	
	For Class 54 Rating, Add	51.22	
	For Class 55 Rating, Add	113.84	
40 05 19 00-0055	EA 6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,157.01	289.99
	For Class 52 Rating, Deduct	-78.94	
	For Class 54 Rating, Add	53.82	
	For Class 55 Rating, Add	119.63	
40 05 19 00-0056	EA 6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,197.06	293.49
	For Class 52 Rating, Deduct	-82.76	
	For Class 54 Rating, Add	56.43	
	For Class 55 Rating, Add	125.42	
40 05 19 00-0057	EA 6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,237.09	296.98
	For Class 52 Rating, Deduct	-86.58	
	For Class 54 Rating, Add	59.03	
	For Class 55 Rating, Add	131.21	
40 05 19 00-0058	EA 6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,277.12	300.47
	For Class 52 Rating, Deduct	-90.40	
	For Class 54 Rating, Add	61.64	
	For Class 55 Rating, Add	137.00	
40 05 19 00-0059	EA 6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,317.16	303.96
	For Class 52 Rating, Deduct	-94.23	
	For Class 54 Rating, Add	64.25	
	For Class 55 Rating, Add	142.80	
40 05 19 00-0060	EA 6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,357.19	307.46
	For Class 52 Rating, Deduct	-98.05	
	For Class 54 Rating, Add	66.85	
	For Class 55 Rating, Add	148.59	
40 05 19 00-0061	EA 6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,397.22	310.95
	For Class 52 Rating, Deduct	-101.87	
	For Class 54 Rating, Add	69.46	
	For Class 55 Rating, Add	154.38	
40 05 19 00-0062	EA 6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,437.26	314.45
	For Class 52 Rating, Deduct	-105.69	
	For Class 54 Rating, Add	72.06	
	For Class 55 Rating, Add	160.17	
40 05 19 00-0063	EA 6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,477.30	317.95
	For Class 52 Rating, Deduct	-109.51	
	For Class 54 Rating, Add	74.67	
	For Class 55 Rating, Add	165.96	
40 05 19 00-0064	EA 6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,517.33	321.44
	For Class 52 Rating, Deduct	-113.33	
	For Class 54 Rating, Add	77.27	
	For Class 55 Rating, Add	171.75	
40 05 19 00-0065	EA 6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,557.37	324.93
	For Class 52 Rating, Deduct	-117.16	
	For Class 54 Rating, Add	79.88	
	For Class 55 Rating, Add	177.54	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0066	EA 6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,597.40	328.42
	For Class 52 Rating, Deduct	-120.98	
	For Class 54 Rating, Add	82.48	
	For Class 55 Rating, Add	183.33	
40 05 19 00-0067	EA 6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,637.45	331.92
	For Class 52 Rating, Deduct	-124.80	
	For Class 54 Rating, Add	85.09	
	For Class 55 Rating, Add	189.13	
40 05 19 00-0068	EA 6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,677.48	335.41
	For Class 52 Rating, Deduct	-128.62	
	For Class 54 Rating, Add	87.70	
	For Class 55 Rating, Add	194.92	
40 05 19 00-0069	EA 6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,717.52	338.91
	For Class 52 Rating, Deduct	-132.44	
	For Class 54 Rating, Add	90.30	
	For Class 55 Rating, Add	200.71	
40 05 19 00-0070	EA 6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,757.54	342.40
	For Class 52 Rating, Deduct	-136.26	
	For Class 54 Rating, Add	92.91	
	For Class 55 Rating, Add	206.50	
40 05 19 00-0071	EA 6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,797.58	345.90
	For Class 52 Rating, Deduct	-140.09	
	For Class 54 Rating, Add	95.51	
	For Class 55 Rating, Add	212.29	
40 05 19 00-0072	EA 6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,837.61	349.39
	For Class 52 Rating, Deduct	-143.91	
	For Class 54 Rating, Add	98.12	
	For Class 55 Rating, Add	218.08	
40 05 19 00-0073	EA 6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,877.66	352.88
	For Class 52 Rating, Deduct	-147.73	
	For Class 54 Rating, Add	100.72	
	For Class 55 Rating, Add	223.88	
40 05 19 00-0074	EA 6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,917.69	356.37
	For Class 52 Rating, Deduct	-151.55	
	For Class 54 Rating, Add	103.33	
	For Class 55 Rating, Add	229.67	
40 05 19 00-0075	EA 6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,957.73	359.87
	For Class 52 Rating, Deduct	-155.37	
	For Class 54 Rating, Add	105.94	
	For Class 55 Rating, Add	235.46	
40 05 19 00-0076	EA 6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,997.76	363.36
	For Class 52 Rating, Deduct	-159.19	
	For Class 54 Rating, Add	108.54	
	For Class 55 Rating, Add	241.25	
40 05 19 00-0077	EA 6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,037.80	366.86
	For Class 52 Rating, Deduct	-163.01	
	For Class 54 Rating, Add	111.15	
	For Class 55 Rating, Add	247.04	
40 05 19 00-0078	EA 6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,077.84	370.35
	For Class 52 Rating, Deduct	-166.84	
	For Class 54 Rating, Add	113.75	
	For Class 55 Rating, Add	252.83	
40 05 19 00-0079	EA 6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,117.88	373.85
	For Class 52 Rating, Deduct	-170.66	
	For Class 54 Rating, Add	116.36	
	For Class 55 Rating, Add	258.63	
40 05 19 00-0080	EA 6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,157.90	377.34
	For Class 52 Rating, Deduct	-174.48	
	For Class 54 Rating, Add	118.96	
	For Class 55 Rating, Add	264.42	
40 05 19 00-0081	EA 6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,197.94	380.83
	For Class 52 Rating, Deduct	-178.30	
	For Class 54 Rating, Add	121.57	
	For Class 55 Rating, Add	270.21	
40 05 19 00-0082	EA 6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,237.97	384.32
	For Class 52 Rating, Deduct	-182.12	
	For Class 54 Rating, Add	124.17	
	For Class 55 Rating, Add	276.00	

**40 05 19 00-0083 8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe** (40 05 19 00-0002)

40 05 19 00-0084	EA 8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	981.00	321.44
	For Class 52 Rating, Deduct	-54.34	
	For Class 54 Rating, Add	37.05	
	For Class 55 Rating, Add	82.35	
40 05 19 00-0085	EA 8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,034.07	324.93
	For Class 52 Rating, Deduct	-59.59	
	For Class 54 Rating, Add	40.63	
	For Class 55 Rating, Add	90.31	
40 05 19 00-0086	EA 8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,087.13	328.42
	For Class 52 Rating, Deduct	-64.85	
	For Class 54 Rating, Add	44.21	
	For Class 55 Rating, Add	98.27	
40 05 19 00-0087	EA 8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,140.20	331.92
	For Class 52 Rating, Deduct	-70.10	
	For Class 54 Rating, Add	47.80	
	For Class 55 Rating, Add	106.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0088	EA		8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,193.26	335.41
			For Class 52 Rating, Deduct	-75.36	
			For Class 54 Rating, Add	51.38	
			For Class 55 Rating, Add	114.20	
40 05 19 00-0089	EA		8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,246.33	338.91
			For Class 52 Rating, Deduct	-80.61	
			For Class 54 Rating, Add	54.96	
			For Class 55 Rating, Add	122.16	
40 05 19 00-0090	EA		8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,299.38	342.40
			For Class 52 Rating, Deduct	-85.87	
			For Class 54 Rating, Add	58.55	
			For Class 55 Rating, Add	130.13	
40 05 19 00-0091	EA		8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,352.45	345.90
			For Class 52 Rating, Deduct	-91.12	
			For Class 54 Rating, Add	62.13	
			For Class 55 Rating, Add	138.09	
40 05 19 00-0092	EA		8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,405.51	349.39
			For Class 52 Rating, Deduct	-96.38	
			For Class 54 Rating, Add	65.71	
			For Class 55 Rating, Add	146.05	
40 05 19 00-0093	EA		8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,458.58	352.88
			For Class 52 Rating, Deduct	-101.63	
			For Class 54 Rating, Add	69.29	
			For Class 55 Rating, Add	154.02	
40 05 19 00-0094	EA		8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,511.64	356.37
			For Class 52 Rating, Deduct	-106.88	
			For Class 54 Rating, Add	72.88	
			For Class 55 Rating, Add	161.98	
40 05 19 00-0095	EA		8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,564.71	359.87
			For Class 52 Rating, Deduct	-112.14	
			For Class 54 Rating, Add	76.46	
			For Class 55 Rating, Add	169.94	
40 05 19 00-0096	EA		8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,617.77	363.36
			For Class 52 Rating, Deduct	-117.39	
			For Class 54 Rating, Add	80.04	
			For Class 55 Rating, Add	177.91	
40 05 19 00-0097	EA		8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,670.84	366.86
			For Class 52 Rating, Deduct	-122.65	
			For Class 54 Rating, Add	83.62	
			For Class 55 Rating, Add	185.87	
40 05 19 00-0098	EA		8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,723.90	370.35
			For Class 52 Rating, Deduct	-127.90	
			For Class 54 Rating, Add	87.21	
			For Class 55 Rating, Add	193.83	
40 05 19 00-0099	EA		8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,776.97	373.85
			For Class 52 Rating, Deduct	-133.16	
			For Class 54 Rating, Add	90.79	
			For Class 55 Rating, Add	201.80	
40 05 19 00-0100	EA		8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,830.02	377.34
			For Class 52 Rating, Deduct	-138.41	
			For Class 54 Rating, Add	94.37	
			For Class 55 Rating, Add	209.76	
40 05 19 00-0101	EA		8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,883.09	380.83
			For Class 52 Rating, Deduct	-143.67	
			For Class 54 Rating, Add	97.96	
			For Class 55 Rating, Add	217.72	
40 05 19 00-0102	EA		8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,936.15	384.32
			For Class 52 Rating, Deduct	-148.92	
			For Class 54 Rating, Add	101.54	
			For Class 55 Rating, Add	225.69	
40 05 19 00-0103	EA		8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,989.22	387.82
			For Class 52 Rating, Deduct	-154.18	
			For Class 54 Rating, Add	105.12	
			For Class 55 Rating, Add	233.65	
40 05 19 00-0104	EA		8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,042.28	391.31
			For Class 52 Rating, Deduct	-159.43	
			For Class 54 Rating, Add	108.70	
			For Class 55 Rating, Add	241.61	
40 05 19 00-0105	EA		8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,095.35	394.81
			For Class 52 Rating, Deduct	-164.69	
			For Class 54 Rating, Add	112.29	
			For Class 55 Rating, Add	249.57	
40 05 19 00-0106	EA		8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,148.41	398.30
			For Class 52 Rating, Deduct	-169.94	
			For Class 54 Rating, Add	115.87	
			For Class 55 Rating, Add	257.54	
40 05 19 00-0107	EA		8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,201.47	401.80
			For Class 52 Rating, Deduct	-175.20	
			For Class 54 Rating, Add	119.45	
			For Class 55 Rating, Add	265.50	
40 05 19 00-0108	EA		8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,254.54	405.29
			For Class 52 Rating, Deduct	-180.45	
			For Class 54 Rating, Add	123.03	
			For Class 55 Rating, Add	273.46	
40 05 19 00-0109	EA		8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,307.59	408.78
			For Class 52 Rating, Deduct	-185.71	
			For Class 54 Rating, Add	126.62	
			For Class 55 Rating, Add	281.43	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0110	EA		8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,360.66	412.27
			For Class 52 Rating, Deduct	-190.96	
			For Class 54 Rating, Add	130.20	
			For Class 55 Rating, Add	289.39	
40 05 19 00-0111	EA		8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,413.72	415.77
			For Class 52 Rating, Deduct	-196.21	
			For Class 54 Rating, Add	133.78	
			For Class 55 Rating, Add	297.35	
40 05 19 00-0112	EA		8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,466.79	419.27
			For Class 52 Rating, Deduct	-201.47	
			For Class 54 Rating, Add	137.37	
			For Class 55 Rating, Add	305.32	
40 05 19 00-0113	EA		8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,519.85	422.76
			For Class 52 Rating, Deduct	-206.72	
			For Class 54 Rating, Add	140.95	
			For Class 55 Rating, Add	313.28	
40 05 19 00-0114	EA		8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,572.92	426.26
			For Class 52 Rating, Deduct	-211.98	
			For Class 54 Rating, Add	144.53	
			For Class 55 Rating, Add	321.24	
40 05 19 00-0115	EA		8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,625.98	429.75
			For Class 52 Rating, Deduct	-217.23	
			For Class 54 Rating, Add	148.11	
			For Class 55 Rating, Add	329.21	
40 05 19 00-0116	EA		8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,679.05	433.24
			For Class 52 Rating, Deduct	-222.49	
			For Class 54 Rating, Add	151.70	
			For Class 55 Rating, Add	337.17	
40 05 19 00-0117	EA		8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,732.11	436.73
			For Class 52 Rating, Deduct	-227.74	
			For Class 54 Rating, Add	155.28	
			For Class 55 Rating, Add	345.13	
40 05 19 00-0118	EA		8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,785.17	440.23
			For Class 52 Rating, Deduct	-233.00	
			For Class 54 Rating, Add	158.86	
			For Class 55 Rating, Add	353.10	
40 05 19 00-0119	EA		8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,838.23	443.72
			For Class 52 Rating, Deduct	-238.25	
			For Class 54 Rating, Add	162.44	
			For Class 55 Rating, Add	361.06	
40 05 19 00-0120	EA		8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,891.30	447.22
			For Class 52 Rating, Deduct	-243.51	
			For Class 54 Rating, Add	166.03	
			For Class 55 Rating, Add	369.02	
40 05 19 00-0121	EA		8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,944.36	450.71
			For Class 52 Rating, Deduct	-248.76	
			For Class 54 Rating, Add	169.61	
			For Class 55 Rating, Add	376.99	
40 05 19 00-0122	EA		8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,997.43	454.21
			For Class 52 Rating, Deduct	-254.02	
			For Class 54 Rating, Add	173.19	
			For Class 55 Rating, Add	384.95	
40 05 19 00-0123			10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0124	EA		10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,226.94	391.31
			For Class 52 Rating, Deduct	-69.74	
			For Class 54 Rating, Add	47.55	
			For Class 55 Rating, Add	105.69	
40 05 19 00-0125	EA		10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,295.21	394.81
			For Class 52 Rating, Deduct	-76.67	
			For Class 54 Rating, Add	52.28	
			For Class 55 Rating, Add	116.19	
40 05 19 00-0126	EA		10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,363.47	398.30
			For Class 52 Rating, Deduct	-83.60	
			For Class 54 Rating, Add	57.00	
			For Class 55 Rating, Add	126.69	
40 05 19 00-0127	EA		10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,431.73	401.80
			For Class 52 Rating, Deduct	-90.52	
			For Class 54 Rating, Add	61.72	
			For Class 55 Rating, Add	137.19	
40 05 19 00-0128	EA		10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,499.99	405.29
			For Class 52 Rating, Deduct	-97.45	
			For Class 54 Rating, Add	66.44	
			For Class 55 Rating, Add	147.68	
40 05 19 00-0129	EA		10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,568.24	408.78
			For Class 52 Rating, Deduct	-104.38	
			For Class 54 Rating, Add	71.17	
			For Class 55 Rating, Add	158.18	
40 05 19 00-0130	EA		10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,636.51	412.27
			For Class 52 Rating, Deduct	-111.30	
			For Class 54 Rating, Add	75.89	
			For Class 55 Rating, Add	168.68	
40 05 19 00-0131	EA		10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,704.77	415.77
			For Class 52 Rating, Deduct	-118.23	
			For Class 54 Rating, Add	80.61	
			For Class 55 Rating, Add	179.17	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0132	EA		10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,773.04	419.27
			For Class 52 Rating, Deduct	-125.16	
			For Class 54 Rating, Add	85.33	
			For Class 55 Rating, Add	189.67	
40 05 19 00-0133	EA		10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,841.30	422.76
			For Class 52 Rating, Deduct	-132.08	
			For Class 54 Rating, Add	90.06	
			For Class 55 Rating, Add	200.17	
40 05 19 00-0134	EA		10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,909.57	426.26
			For Class 52 Rating, Deduct	-139.01	
			For Class 54 Rating, Add	94.78	
			For Class 55 Rating, Add	210.66	
40 05 19 00-0135	EA		10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,977.83	429.75
			For Class 52 Rating, Deduct	-145.94	
			For Class 54 Rating, Add	99.50	
			For Class 55 Rating, Add	221.16	
40 05 19 00-0136	EA		10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,046.10	433.24
			For Class 52 Rating, Deduct	-152.86	
			For Class 54 Rating, Add	104.23	
			For Class 55 Rating, Add	231.66	
40 05 19 00-0137	EA		10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,114.36	436.73
			For Class 52 Rating, Deduct	-159.79	
			For Class 54 Rating, Add	108.95	
			For Class 55 Rating, Add	242.16	
40 05 19 00-0138	EA		10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,182.62	440.23
			For Class 52 Rating, Deduct	-166.72	
			For Class 54 Rating, Add	113.67	
			For Class 55 Rating, Add	252.65	
40 05 19 00-0139	EA		10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,250.88	443.72
			For Class 52 Rating, Deduct	-173.64	
			For Class 54 Rating, Add	118.39	
			For Class 55 Rating, Add	263.15	
40 05 19 00-0140	EA		10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,319.15	447.22
			For Class 52 Rating, Deduct	-180.57	
			For Class 54 Rating, Add	123.12	
			For Class 55 Rating, Add	273.65	
40 05 19 00-0141	EA		10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,387.41	450.71
			For Class 52 Rating, Deduct	-187.50	
			For Class 54 Rating, Add	127.84	
			For Class 55 Rating, Add	284.14	
40 05 19 00-0142	EA		10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,455.68	454.21
			For Class 52 Rating, Deduct	-194.42	
			For Class 54 Rating, Add	132.56	
			For Class 55 Rating, Add	294.64	
40 05 19 00-0143	EA		10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,523.94	457.70
			For Class 52 Rating, Deduct	-201.35	
			For Class 54 Rating, Add	137.28	
			For Class 55 Rating, Add	305.14	
40 05 19 00-0144	EA		10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,592.21	461.19
			For Class 52 Rating, Deduct	-208.28	
			For Class 54 Rating, Add	142.01	
			For Class 55 Rating, Add	315.63	
40 05 19 00-0145	EA		10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,660.47	464.68
			For Class 52 Rating, Deduct	-215.20	
			For Class 54 Rating, Add	146.73	
			For Class 55 Rating, Add	326.13	
40 05 19 00-0146	EA		10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,728.73	468.18
			For Class 52 Rating, Deduct	-222.13	
			For Class 54 Rating, Add	151.45	
			For Class 55 Rating, Add	336.63	
40 05 19 00-0147	EA		10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,796.99	471.67
			For Class 52 Rating, Deduct	-229.06	
			For Class 54 Rating, Add	156.17	
			For Class 55 Rating, Add	347.12	
40 05 19 00-0148	EA		10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,865.25	475.17
			For Class 52 Rating, Deduct	-235.98	
			For Class 54 Rating, Add	160.90	
			For Class 55 Rating, Add	357.62	
40 05 19 00-0149	EA		10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,933.51	478.66
			For Class 52 Rating, Deduct	-242.91	
			For Class 54 Rating, Add	165.62	
			For Class 55 Rating, Add	368.12	
40 05 19 00-0150	EA		10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,001.78	482.16
			For Class 52 Rating, Deduct	-249.84	
			For Class 54 Rating, Add	170.34	
			For Class 55 Rating, Add	378.62	
40 05 19 00-0151	EA		10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,070.04	485.65
			For Class 52 Rating, Deduct	-256.76	
			For Class 54 Rating, Add	175.07	
			For Class 55 Rating, Add	389.11	
40 05 19 00-0152	EA		10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,138.31	489.14
			For Class 52 Rating, Deduct	-263.69	
			For Class 54 Rating, Add	179.79	
			For Class 55 Rating, Add	399.61	
40 05 19 00-0153	EA		10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,206.57	492.63
			For Class 52 Rating, Deduct	-270.62	
			For Class 54 Rating, Add	184.51	
			For Class 55 Rating, Add	410.11	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0154	EA		10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,274.84	496.13
			<i>For Class 52 Rating, Deduct</i>	-277.54	
			<i>For Class 54 Rating, Add</i>	189.23	
			<i>For Class 55 Rating, Add</i>	420.60	
40 05 19 00-0155	EA		10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,342.01	499.62
			<i>For Class 52 Rating, Deduct</i>	-284.35	
			<i>For Class 54 Rating, Add</i>	193.88	
			<i>For Class 55 Rating, Add</i>	430.92	
40 05 19 00-0156	EA		10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,411.36	503.12
			<i>For Class 52 Rating, Deduct</i>	-291.40	
			<i>For Class 54 Rating, Add</i>	198.68	
			<i>For Class 55 Rating, Add</i>	441.60	
40 05 19 00-0157	EA		10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,479.62	506.61
			<i>For Class 52 Rating, Deduct</i>	-298.32	
			<i>For Class 54 Rating, Add</i>	203.40	
			<i>For Class 55 Rating, Add</i>	452.10	
40 05 19 00-0158	EA		10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,547.88	510.11
			<i>For Class 52 Rating, Deduct</i>	-305.25	
			<i>For Class 54 Rating, Add</i>	208.13	
			<i>For Class 55 Rating, Add</i>	462.59	
40 05 19 00-0159	EA		10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,616.15	513.60
			<i>For Class 52 Rating, Deduct</i>	-312.18	
			<i>For Class 54 Rating, Add</i>	212.85	
			<i>For Class 55 Rating, Add</i>	473.09	
40 05 19 00-0160	EA		10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,684.41	517.09
			<i>For Class 52 Rating, Deduct</i>	-319.10	
			<i>For Class 54 Rating, Add</i>	217.57	
			<i>For Class 55 Rating, Add</i>	483.59	
40 05 19 00-0161	EA		10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,752.68	520.59
			<i>For Class 52 Rating, Deduct</i>	-326.03	
			<i>For Class 54 Rating, Add</i>	222.29	
			<i>For Class 55 Rating, Add</i>	494.08	
40 05 19 00-0162	EA		10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,820.94	524.08
			<i>For Class 52 Rating, Deduct</i>	-332.96	
			<i>For Class 54 Rating, Add</i>	227.02	
			<i>For Class 55 Rating, Add</i>	504.58	

40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,  
Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0164	EA		12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,590.13	489.14
			<i>For Class 52 Rating, Deduct</i>	-93.39	
			<i>For Class 54 Rating, Add</i>	63.68	
			<i>For Class 55 Rating, Add</i>	141.53	
40 05 19 00-0165	EA		12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,674.68	492.63
			<i>For Class 52 Rating, Deduct</i>	-102.11	
			<i>For Class 54 Rating, Add</i>	69.62	
			<i>For Class 55 Rating, Add</i>	154.74	
40 05 19 00-0166	EA		12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,759.23	496.13
			<i>For Class 52 Rating, Deduct</i>	-110.83	
			<i>For Class 54 Rating, Add</i>	75.56	
			<i>For Class 55 Rating, Add</i>	167.95	
40 05 19 00-0167	EA		12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,843.78	499.62
			<i>For Class 52 Rating, Deduct</i>	-119.54	
			<i>For Class 54 Rating, Add</i>	81.51	
			<i>For Class 55 Rating, Add</i>	181.16	
40 05 19 00-0168	EA		12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,928.32	503.12
			<i>For Class 52 Rating, Deduct</i>	-128.26	
			<i>For Class 54 Rating, Add</i>	87.45	
			<i>For Class 55 Rating, Add</i>	194.38	
40 05 19 00-0169	EA		12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,012.87	506.61
			<i>For Class 52 Rating, Deduct</i>	-136.98	
			<i>For Class 54 Rating, Add</i>	93.40	
			<i>For Class 55 Rating, Add</i>	207.59	
40 05 19 00-0170	EA		12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,097.41	510.11
			<i>For Class 52 Rating, Deduct</i>	-145.70	
			<i>For Class 54 Rating, Add</i>	99.34	
			<i>For Class 55 Rating, Add</i>	220.80	
40 05 19 00-0171	EA		12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,181.96	513.60
			<i>For Class 52 Rating, Deduct</i>	-154.42	
			<i>For Class 54 Rating, Add</i>	105.28	
			<i>For Class 55 Rating, Add</i>	234.01	
40 05 19 00-0172	EA		12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,266.51	517.09
			<i>For Class 52 Rating, Deduct</i>	-163.13	
			<i>For Class 54 Rating, Add</i>	111.23	
			<i>For Class 55 Rating, Add</i>	247.22	
40 05 19 00-0173	EA		12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,351.06	520.59
			<i>For Class 52 Rating, Deduct</i>	-171.85	
			<i>For Class 54 Rating, Add</i>	117.17	
			<i>For Class 55 Rating, Add</i>	260.43	
40 05 19 00-0174	EA		12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,435.61	524.08
			<i>For Class 52 Rating, Deduct</i>	-180.57	
			<i>For Class 54 Rating, Add</i>	123.12	
			<i>For Class 55 Rating, Add</i>	273.65	
40 05 19 00-0175	EA		12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,520.16	527.58
			<i>For Class 52 Rating, Deduct</i>	-189.29	
			<i>For Class 54 Rating, Add</i>	129.06	
			<i>For Class 55 Rating, Add</i>	286.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0176	EA		12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,604.71	531.07
			For Class 52 Rating, Deduct	-198.01	
			For Class 54 Rating, Add	135.00	
			For Class 55 Rating, Add	300.07	
40 05 19 00-0177	EA		12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,689.26	534.57
			For Class 52 Rating, Deduct	-206.72	
			For Class 54 Rating, Add	140.95	
			For Class 55 Rating, Add	313.28	
40 05 19 00-0178	EA		12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,773.80	538.06
			For Class 52 Rating, Deduct	-215.44	
			For Class 54 Rating, Add	146.89	
			For Class 55 Rating, Add	326.49	
40 05 19 00-0179	EA		12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,858.35	541.55
			For Class 52 Rating, Deduct	-224.16	
			For Class 54 Rating, Add	152.84	
			For Class 55 Rating, Add	339.70	
40 05 19 00-0180	EA		12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,942.90	545.04
			For Class 52 Rating, Deduct	-232.88	
			For Class 54 Rating, Add	158.78	
			For Class 55 Rating, Add	352.92	
40 05 19 00-0181	EA		12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,027.45	548.54
			For Class 52 Rating, Deduct	-241.60	
			For Class 54 Rating, Add	164.72	
			For Class 55 Rating, Add	366.13	
40 05 19 00-0182	EA		12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,112.00	552.03
			For Class 52 Rating, Deduct	-250.31	
			For Class 54 Rating, Add	170.67	
			For Class 55 Rating, Add	379.34	
40 05 19 00-0183	EA		12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,196.55	555.53
			For Class 52 Rating, Deduct	-259.03	
			For Class 54 Rating, Add	176.61	
			For Class 55 Rating, Add	392.55	
40 05 19 00-0184	EA		12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,281.09	559.02
			For Class 52 Rating, Deduct	-267.75	
			For Class 54 Rating, Add	182.56	
			For Class 55 Rating, Add	405.76	
40 05 19 00-0185	EA		12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,365.65	562.52
			For Class 52 Rating, Deduct	-276.47	
			For Class 54 Rating, Add	188.50	
			For Class 55 Rating, Add	418.98	
40 05 19 00-0186	EA		12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,450.19	566.01
			For Class 52 Rating, Deduct	-285.19	
			For Class 54 Rating, Add	194.45	
			For Class 55 Rating, Add	432.19	
40 05 19 00-0187	EA		12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,534.74	569.50
			For Class 52 Rating, Deduct	-293.90	
			For Class 54 Rating, Add	200.39	
			For Class 55 Rating, Add	445.40	
40 05 19 00-0188	EA		12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,619.28	572.99
			For Class 52 Rating, Deduct	-302.62	
			For Class 54 Rating, Add	206.33	
			For Class 55 Rating, Add	458.61	
40 05 19 00-0189	EA		12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,703.84	576.49
			For Class 52 Rating, Deduct	-311.34	
			For Class 54 Rating, Add	212.28	
			For Class 55 Rating, Add	471.82	
40 05 19 00-0190	EA		12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,788.38	579.98
			For Class 52 Rating, Deduct	-320.06	
			For Class 54 Rating, Add	218.22	
			For Class 55 Rating, Add	485.03	
40 05 19 00-0191	EA		12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,872.94	583.48
			For Class 52 Rating, Deduct	-328.78	
			For Class 54 Rating, Add	224.17	
			For Class 55 Rating, Add	498.25	
40 05 19 00-0192	EA		12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,957.48	586.97
			For Class 52 Rating, Deduct	-337.49	
			For Class 54 Rating, Add	230.11	
			For Class 55 Rating, Add	511.46	
40 05 19 00-0193	EA		12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,042.04	590.47
			For Class 52 Rating, Deduct	-346.21	
			For Class 54 Rating, Add	236.05	
			For Class 55 Rating, Add	524.67	
40 05 19 00-0194	EA		12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,126.58	593.96
			For Class 52 Rating, Deduct	-354.93	
			For Class 54 Rating, Add	242.00	
			For Class 55 Rating, Add	537.88	
40 05 19 00-0195	EA		12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,211.14	597.45
			For Class 52 Rating, Deduct	-363.65	
			For Class 54 Rating, Add	247.94	
			For Class 55 Rating, Add	551.09	
40 05 19 00-0196	EA		12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,295.68	600.94
			For Class 52 Rating, Deduct	-372.37	
			For Class 54 Rating, Add	253.89	
			For Class 55 Rating, Add	564.30	
40 05 19 00-0197	EA		12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,380.21	604.44
			For Class 52 Rating, Deduct	-381.08	
			For Class 54 Rating, Add	259.83	
			For Class 55 Rating, Add	577.52	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

HUMBOLDT STATE UNIVERSITY

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0198	EA 12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,464.77	607.93
	For Class 52 Rating, Deduct	-389.80	
	For Class 54 Rating, Add	265.77	
	For Class 55 Rating, Add	590.73	
40 05 19 00-0199	EA 12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,549.31	611.43
	For Class 52 Rating, Deduct	-398.52	
	For Class 54 Rating, Add	271.72	
	For Class 55 Rating, Add	603.94	
40 05 19 00-0200	EA 12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,633.87	614.92
	For Class 52 Rating, Deduct	-407.24	
	For Class 54 Rating, Add	277.66	
	For Class 55 Rating, Add	617.15	
40 05 19 00-0201	EA 12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,718.41	618.42
	For Class 52 Rating, Deduct	-415.96	
	For Class 54 Rating, Add	283.61	
	For Class 55 Rating, Add	630.36	
40 05 19 00-0202	EA 12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,802.97	621.91
	For Class 52 Rating, Deduct	-424.67	
	For Class 54 Rating, Add	289.55	
	For Class 55 Rating, Add	643.58	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,  
Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0204	EA 14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,078.17	586.97
	For Class 52 Rating, Deduct	-130.77	
	For Class 54 Rating, Add	89.16	
	For Class 55 Rating, Add	198.18	
40 05 19 00-0205	EA 14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,180.10	590.47
	For Class 52 Rating, Deduct	-141.40	
	For Class 54 Rating, Add	96.41	
	For Class 55 Rating, Add	214.28	
40 05 19 00-0206	EA 14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,282.01	593.96
	For Class 52 Rating, Deduct	-152.03	
	For Class 54 Rating, Add	103.66	
	For Class 55 Rating, Add	230.39	
40 05 19 00-0207	EA 14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,383.94	597.45
	For Class 52 Rating, Deduct	-162.66	
	For Class 54 Rating, Add	110.90	
	For Class 55 Rating, Add	246.50	
40 05 19 00-0208	EA 14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,485.85	600.94
	For Class 52 Rating, Deduct	-173.29	
	For Class 54 Rating, Add	118.15	
	For Class 55 Rating, Add	262.61	
40 05 19 00-0209	EA 14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,587.76	604.44
	For Class 52 Rating, Deduct	-183.91	
	For Class 54 Rating, Add	125.40	
	For Class 55 Rating, Add	278.71	
40 05 19 00-0210	EA 14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,689.68	607.93
	For Class 52 Rating, Deduct	-194.54	
	For Class 54 Rating, Add	132.64	
	For Class 55 Rating, Add	294.82	
40 05 19 00-0211	EA 14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,791.60	611.43
	For Class 52 Rating, Deduct	-205.17	
	For Class 54 Rating, Add	139.89	
	For Class 55 Rating, Add	310.93	
40 05 19 00-0212	EA 14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,893.52	614.92
	For Class 52 Rating, Deduct	-215.80	
	For Class 54 Rating, Add	147.14	
	For Class 55 Rating, Add	327.04	
40 05 19 00-0213	EA 14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,995.44	618.42
	For Class 52 Rating, Deduct	-226.43	
	For Class 54 Rating, Add	154.38	
	For Class 55 Rating, Add	343.14	
40 05 19 00-0214	EA 14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,097.36	621.91
	For Class 52 Rating, Deduct	-237.06	
	For Class 54 Rating, Add	161.63	
	For Class 55 Rating, Add	359.25	
40 05 19 00-0215	EA 14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,199.28	625.40
	For Class 52 Rating, Deduct	-247.69	
	For Class 54 Rating, Add	168.88	
	For Class 55 Rating, Add	375.36	
40 05 19 00-0216	EA 14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,301.21	628.90
	For Class 52 Rating, Deduct	-258.32	
	For Class 54 Rating, Add	176.12	
	For Class 55 Rating, Add	391.47	
40 05 19 00-0217	EA 14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,403.12	632.39
	For Class 52 Rating, Deduct	-268.94	
	For Class 54 Rating, Add	183.37	
	For Class 55 Rating, Add	407.57	
40 05 19 00-0218	EA 14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,505.04	635.89
	For Class 52 Rating, Deduct	-279.57	
	For Class 54 Rating, Add	190.62	
	For Class 55 Rating, Add	423.68	
40 05 19 00-0219	EA 14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,606.95	639.38
	For Class 52 Rating, Deduct	-290.20	
	For Class 54 Rating, Add	197.87	
	For Class 55 Rating, Add	439.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0220	EA		14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,708.88	642.88
			For Class 52 Rating, Deduct	-300.83	
			For Class 54 Rating, Add	205.11	
			For Class 55 Rating, Add	455.90	
40 05 19 00-0221	EA		14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,810.79	646.37
			For Class 52 Rating, Deduct	-311.46	
			For Class 54 Rating, Add	212.36	
			For Class 55 Rating, Add	472.00	
40 05 19 00-0222	EA		14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,912.72	649.86
			For Class 52 Rating, Deduct	-322.09	
			For Class 54 Rating, Add	219.61	
			For Class 55 Rating, Add	488.11	
40 05 19 00-0223	EA		14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,014.63	653.35
			For Class 52 Rating, Deduct	-332.72	
			For Class 54 Rating, Add	226.85	
			For Class 55 Rating, Add	504.22	
40 05 19 00-0224	EA		14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,116.56	656.85
			For Class 52 Rating, Deduct	-343.35	
			For Class 54 Rating, Add	234.10	
			For Class 55 Rating, Add	520.33	
40 05 19 00-0225	EA		14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,218.48	660.34
			For Class 52 Rating, Deduct	-353.98	
			For Class 54 Rating, Add	241.35	
			For Class 55 Rating, Add	536.43	
40 05 19 00-0226	EA		14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,320.40	663.84
			For Class 52 Rating, Deduct	-364.60	
			For Class 54 Rating, Add	248.59	
			For Class 55 Rating, Add	552.54	
40 05 19 00-0227	EA		14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,422.32	667.33
			For Class 52 Rating, Deduct	-375.23	
			For Class 54 Rating, Add	255.84	
			For Class 55 Rating, Add	568.65	
40 05 19 00-0228	EA		14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,524.23	670.83
			For Class 52 Rating, Deduct	-385.86	
			For Class 54 Rating, Add	263.09	
			For Class 55 Rating, Add	584.76	
40 05 19 00-0229	EA		14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,626.15	674.32
			For Class 52 Rating, Deduct	-396.49	
			For Class 54 Rating, Add	270.33	
			For Class 55 Rating, Add	600.86	
40 05 19 00-0230	EA		14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,728.07	677.81
			For Class 52 Rating, Deduct	-407.12	
			For Class 54 Rating, Add	277.58	
			For Class 55 Rating, Add	616.97	
40 05 19 00-0231	EA		14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,829.99	681.30
			For Class 52 Rating, Deduct	-417.75	
			For Class 54 Rating, Add	284.83	
			For Class 55 Rating, Add	633.08	
40 05 19 00-0232	EA		14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,931.91	684.80
			For Class 52 Rating, Deduct	-428.38	
			For Class 54 Rating, Add	292.07	
			For Class 55 Rating, Add	649.18	
40 05 19 00-0233	EA		14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,033.83	688.29
			For Class 52 Rating, Deduct	-439.01	
			For Class 54 Rating, Add	299.32	
			For Class 55 Rating, Add	665.29	
40 05 19 00-0234	EA		14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,135.76	691.79
			For Class 52 Rating, Deduct	-449.63	
			For Class 54 Rating, Add	306.57	
			For Class 55 Rating, Add	681.40	
40 05 19 00-0235	EA		14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,237.67	695.28
			For Class 52 Rating, Deduct	-460.26	
			For Class 54 Rating, Add	313.82	
			For Class 55 Rating, Add	697.51	
40 05 19 00-0236	EA		14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,339.59	698.78
			For Class 52 Rating, Deduct	-470.89	
			For Class 54 Rating, Add	321.06	
			For Class 55 Rating, Add	713.62	
40 05 19 00-0237	EA		14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,441.50	702.27
			For Class 52 Rating, Deduct	-481.52	
			For Class 54 Rating, Add	328.31	
			For Class 55 Rating, Add	729.72	
40 05 19 00-0238	EA		14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,543.42	705.76
			For Class 52 Rating, Deduct	-492.15	
			For Class 54 Rating, Add	335.56	
			For Class 55 Rating, Add	745.83	
40 05 19 00-0239	EA		14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,645.34	709.25
			For Class 52 Rating, Deduct	-502.78	
			For Class 54 Rating, Add	342.80	
			For Class 55 Rating, Add	761.94	
40 05 19 00-0240	EA		14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,747.26	712.75
			For Class 52 Rating, Deduct	-513.41	
			For Class 54 Rating, Add	350.05	
			For Class 55 Rating, Add	778.05	
40 05 19 00-0241	EA		14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,849.18	716.24
			For Class 52 Rating, Deduct	-524.04	
			For Class 54 Rating, Add	357.30	
			For Class 55 Rating, Add	794.15	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0242			16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0243	EA		16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,425.61	670.83
			For Class 52 Rating, Deduct	-155.01	
			For Class 54 Rating, Add	105.69	
			For Class 55 Rating, Add	234.92	
40 05 19 00-0244	EA		16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,543.81	674.32
			For Class 52 Rating, Deduct	-167.43	
			For Class 54 Rating, Add	114.16	
			For Class 55 Rating, Add	253.74	
40 05 19 00-0245	EA		16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,662.02	677.81
			For Class 52 Rating, Deduct	-179.85	
			For Class 54 Rating, Add	122.63	
			For Class 55 Rating, Add	272.56	
40 05 19 00-0246	EA		16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,780.22	681.30
			For Class 52 Rating, Deduct	-192.27	
			For Class 54 Rating, Add	131.10	
			For Class 55 Rating, Add	291.38	
40 05 19 00-0247	EA		16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,898.44	684.80
			For Class 52 Rating, Deduct	-204.69	
			For Class 54 Rating, Add	139.56	
			For Class 55 Rating, Add	310.21	
40 05 19 00-0248	EA		16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,016.64	688.29
			For Class 52 Rating, Deduct	-217.11	
			For Class 54 Rating, Add	148.03	
			For Class 55 Rating, Add	329.03	
40 05 19 00-0249	EA		16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,134.85	691.79
			For Class 52 Rating, Deduct	-229.53	
			For Class 54 Rating, Add	156.50	
			For Class 55 Rating, Add	347.85	
40 05 19 00-0250	EA		16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,253.05	695.28
			For Class 52 Rating, Deduct	-241.95	
			For Class 54 Rating, Add	164.97	
			For Class 55 Rating, Add	366.67	
40 05 19 00-0251	EA		16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,371.25	698.78
			For Class 52 Rating, Deduct	-254.38	
			For Class 54 Rating, Add	173.44	
			For Class 55 Rating, Add	385.49	
40 05 19 00-0252	EA		16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,489.45	702.27
			For Class 52 Rating, Deduct	-266.80	
			For Class 54 Rating, Add	181.91	
			For Class 55 Rating, Add	404.32	
40 05 19 00-0253	EA		16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,607.65	705.76
			For Class 52 Rating, Deduct	-279.22	
			For Class 54 Rating, Add	190.37	
			For Class 55 Rating, Add	423.14	
40 05 19 00-0254	EA		16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,725.86	709.25
			For Class 52 Rating, Deduct	-291.64	
			For Class 54 Rating, Add	198.84	
			For Class 55 Rating, Add	441.96	
40 05 19 00-0255	EA		16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,844.06	712.75
			For Class 52 Rating, Deduct	-304.06	
			For Class 54 Rating, Add	207.31	
			For Class 55 Rating, Add	460.78	
40 05 19 00-0256	EA		16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,962.27	716.24
			For Class 52 Rating, Deduct	-316.48	
			For Class 54 Rating, Add	215.78	
			For Class 55 Rating, Add	479.60	
40 05 19 00-0257	EA		16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,080.47	719.74
			For Class 52 Rating, Deduct	-328.90	
			For Class 54 Rating, Add	224.25	
			For Class 55 Rating, Add	498.43	
40 05 19 00-0258	EA		16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,198.68	723.23
			For Class 52 Rating, Deduct	-341.32	
			For Class 54 Rating, Add	232.72	
			For Class 55 Rating, Add	517.25	
40 05 19 00-0259	EA		16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,316.88	726.73
			For Class 52 Rating, Deduct	-353.74	
			For Class 54 Rating, Add	241.18	
			For Class 55 Rating, Add	536.07	
40 05 19 00-0260	EA		16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,435.09	730.22
			For Class 52 Rating, Deduct	-366.16	
			For Class 54 Rating, Add	249.65	
			For Class 55 Rating, Add	554.89	
40 05 19 00-0261	EA		16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,553.29	733.71
			For Class 52 Rating, Deduct	-378.58	
			For Class 54 Rating, Add	258.12	
			For Class 55 Rating, Add	573.72	
40 05 19 00-0262	EA		16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,671.50	737.21
			For Class 52 Rating, Deduct	-391.00	
			For Class 54 Rating, Add	266.59	
			For Class 55 Rating, Add	592.54	
40 05 19 00-0263	EA		16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,789.70	740.70
			For Class 52 Rating, Deduct	-403.42	
			For Class 54 Rating, Add	275.06	
			For Class 55 Rating, Add	611.36	
40 05 19 00-0264	EA		16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,907.91	744.20
			For Class 52 Rating, Deduct	-415.84	
			For Class 54 Rating, Add	283.53	
			For Class 55 Rating, Add	630.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0265	EA		16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,026.11	747.69
			<i>For Class 52 Rating, Deduct</i>	-428.26	
			<i>For Class 54 Rating, Add</i>	291.99	
			<i>For Class 55 Rating, Add</i>	649.00	
40 05 19 00-0266	EA		16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,144.32	751.19
			<i>For Class 52 Rating, Deduct</i>	-440.68	
			<i>For Class 54 Rating, Add</i>	300.46	
			<i>For Class 55 Rating, Add</i>	667.83	
40 05 19 00-0267	EA		16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,262.52	754.68
			<i>For Class 52 Rating, Deduct</i>	-453.10	
			<i>For Class 54 Rating, Add</i>	308.93	
			<i>For Class 55 Rating, Add</i>	686.65	
40 05 19 00-0268	EA		16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,380.73	758.17
			<i>For Class 52 Rating, Deduct</i>	-465.52	
			<i>For Class 54 Rating, Add</i>	317.40	
			<i>For Class 55 Rating, Add</i>	705.47	
40 05 19 00-0269	EA		16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,498.93	761.66
			<i>For Class 52 Rating, Deduct</i>	-477.94	
			<i>For Class 54 Rating, Add</i>	325.87	
			<i>For Class 55 Rating, Add</i>	724.29	
40 05 19 00-0270	EA		16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,617.13	765.16
			<i>For Class 52 Rating, Deduct</i>	-490.36	
			<i>For Class 54 Rating, Add</i>	334.34	
			<i>For Class 55 Rating, Add</i>	743.12	
40 05 19 00-0271	EA		16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,735.33	768.65
			<i>For Class 52 Rating, Deduct</i>	-502.78	
			<i>For Class 54 Rating, Add</i>	342.80	
			<i>For Class 55 Rating, Add</i>	761.94	
40 05 19 00-0272	EA		16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,853.54	772.15
			<i>For Class 52 Rating, Deduct</i>	-515.20	
			<i>For Class 54 Rating, Add</i>	351.27	
			<i>For Class 55 Rating, Add</i>	780.76	
40 05 19 00-0273	EA		16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,971.74	775.64
			<i>For Class 52 Rating, Deduct</i>	-527.62	
			<i>For Class 54 Rating, Add</i>	359.74	
			<i>For Class 55 Rating, Add</i>	799.58	
40 05 19 00-0274	EA		16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,089.95	779.14
			<i>For Class 52 Rating, Deduct</i>	-540.04	
			<i>For Class 54 Rating, Add</i>	368.21	
			<i>For Class 55 Rating, Add</i>	818.40	
40 05 19 00-0275	EA		16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,208.16	782.63
			<i>For Class 52 Rating, Deduct</i>	-552.46	
			<i>For Class 54 Rating, Add</i>	376.68	
			<i>For Class 55 Rating, Add</i>	837.23	
40 05 19 00-0276	EA		16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,326.37	786.12
			<i>For Class 52 Rating, Deduct</i>	-564.88	
			<i>For Class 54 Rating, Add</i>	385.15	
			<i>For Class 55 Rating, Add</i>	856.05	
40 05 19 00-0277	EA		16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,444.57	789.61
			<i>For Class 52 Rating, Deduct</i>	-577.30	
			<i>For Class 54 Rating, Add</i>	393.61	
			<i>For Class 55 Rating, Add</i>	874.87	
40 05 19 00-0278	EA		16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,562.78	793.11
			<i>For Class 52 Rating, Deduct</i>	-589.72	
			<i>For Class 54 Rating, Add</i>	402.08	
			<i>For Class 55 Rating, Add</i>	893.69	
40 05 19 00-0279	EA		16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,680.98	796.60
			<i>For Class 52 Rating, Deduct</i>	-602.14	
			<i>For Class 54 Rating, Add</i>	410.55	
			<i>For Class 55 Rating, Add</i>	912.52	
40 05 19 00-0280	EA		16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,799.17	800.10
			<i>For Class 52 Rating, Deduct</i>	-614.56	
			<i>For Class 54 Rating, Add</i>	419.02	
			<i>For Class 55 Rating, Add</i>	931.34	
<b>40 05 19 00-0281</b>			<b>18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0282	EA		18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,806.66	756.08
			<i>For Class 52 Rating, Deduct</i>	-182.72	
			<i>For Class 54 Rating, Add</i>	124.58	
			<i>For Class 55 Rating, Add</i>	276.90	
40 05 19 00-0283	EA		18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,942.23	759.57
			<i>For Class 52 Rating, Deduct</i>	-197.05	
			<i>For Class 54 Rating, Add</i>	134.35	
			<i>For Class 55 Rating, Add</i>	298.62	
40 05 19 00-0284	EA		18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,077.81	763.06
			<i>For Class 52 Rating, Deduct</i>	-211.38	
			<i>For Class 54 Rating, Add</i>	144.12	
			<i>For Class 55 Rating, Add</i>	320.34	
40 05 19 00-0285	EA		18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,213.38	766.55
			<i>For Class 52 Rating, Deduct</i>	-225.71	
			<i>For Class 54 Rating, Add</i>	153.90	
			<i>For Class 55 Rating, Add</i>	342.06	
40 05 19 00-0286	EA		18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,348.96	770.05
			<i>For Class 52 Rating, Deduct</i>	-240.04	
			<i>For Class 54 Rating, Add</i>	163.67	
			<i>For Class 55 Rating, Add</i>	363.78	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0287	EA		18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,484.53	773.55
			<i>For Class 52 Rating, Deduct</i>	-254.38	
			<i>For Class 54 Rating, Add</i>	173.44	
			<i>For Class 55 Rating, Add</i>	385.49	
40 05 19 00-0288	EA		18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,620.11	777.04
			<i>For Class 52 Rating, Deduct</i>	-268.71	
			<i>For Class 54 Rating, Add</i>	183.21	
			<i>For Class 55 Rating, Add</i>	407.21	
40 05 19 00-0289	EA		18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,755.68	780.53
			<i>For Class 52 Rating, Deduct</i>	-283.04	
			<i>For Class 54 Rating, Add</i>	192.98	
			<i>For Class 55 Rating, Add</i>	428.93	
40 05 19 00-0290	EA		18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,891.26	784.03
			<i>For Class 52 Rating, Deduct</i>	-297.37	
			<i>For Class 54 Rating, Add</i>	202.75	
			<i>For Class 55 Rating, Add</i>	450.65	
40 05 19 00-0291	EA		18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,026.83	787.52
			<i>For Class 52 Rating, Deduct</i>	-311.70	
			<i>For Class 54 Rating, Add</i>	212.52	
			<i>For Class 55 Rating, Add</i>	472.36	
40 05 19 00-0292	EA		18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,162.42	791.01
			<i>For Class 52 Rating, Deduct</i>	-326.03	
			<i>For Class 54 Rating, Add</i>	222.29	
			<i>For Class 55 Rating, Add</i>	494.08	
40 05 19 00-0293	EA		18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,297.99	794.50
			<i>For Class 52 Rating, Deduct</i>	-340.36	
			<i>For Class 54 Rating, Add</i>	232.06	
			<i>For Class 55 Rating, Add</i>	515.80	
40 05 19 00-0294	EA		18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,433.56	798.01
			<i>For Class 52 Rating, Deduct</i>	-354.69	
			<i>For Class 54 Rating, Add</i>	241.84	
			<i>For Class 55 Rating, Add</i>	537.52	
40 05 19 00-0295	EA		18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,569.13	801.50
			<i>For Class 52 Rating, Deduct</i>	-369.02	
			<i>For Class 54 Rating, Add</i>	251.61	
			<i>For Class 55 Rating, Add</i>	559.24	
40 05 19 00-0296	EA		18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,704.71	804.99
			<i>For Class 52 Rating, Deduct</i>	-383.35	
			<i>For Class 54 Rating, Add</i>	261.38	
			<i>For Class 55 Rating, Add</i>	580.95	
40 05 19 00-0297	EA		18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,840.28	808.48
			<i>For Class 52 Rating, Deduct</i>	-397.68	
			<i>For Class 54 Rating, Add</i>	271.15	
			<i>For Class 55 Rating, Add</i>	602.67	
40 05 19 00-0298	EA		18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,975.87	811.98
			<i>For Class 52 Rating, Deduct</i>	-412.02	
			<i>For Class 54 Rating, Add</i>	280.92	
			<i>For Class 55 Rating, Add</i>	624.39	
40 05 19 00-0299	EA		18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,111.44	815.47
			<i>For Class 52 Rating, Deduct</i>	-426.35	
			<i>For Class 54 Rating, Add</i>	290.69	
			<i>For Class 55 Rating, Add</i>	646.11	
40 05 19 00-0300	EA		18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,247.02	818.96
			<i>For Class 52 Rating, Deduct</i>	-440.68	
			<i>For Class 54 Rating, Add</i>	300.46	
			<i>For Class 55 Rating, Add</i>	667.83	
40 05 19 00-0301	EA		18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,382.59	822.45
			<i>For Class 52 Rating, Deduct</i>	-455.01	
			<i>For Class 54 Rating, Add</i>	310.23	
			<i>For Class 55 Rating, Add</i>	689.54	
40 05 19 00-0302	EA		18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,518.17	825.96
			<i>For Class 52 Rating, Deduct</i>	-469.34	
			<i>For Class 54 Rating, Add</i>	320.00	
			<i>For Class 55 Rating, Add</i>	711.26	
40 05 19 00-0303	EA		18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,653.74	829.45
			<i>For Class 52 Rating, Deduct</i>	-483.67	
			<i>For Class 54 Rating, Add</i>	329.78	
			<i>For Class 55 Rating, Add</i>	732.98	
40 05 19 00-0304	EA		18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,789.32	832.94
			<i>For Class 52 Rating, Deduct</i>	-498.00	
			<i>For Class 54 Rating, Add</i>	339.55	
			<i>For Class 55 Rating, Add</i>	754.70	
40 05 19 00-0305	EA		18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,924.89	836.43
			<i>For Class 52 Rating, Deduct</i>	-512.33	
			<i>For Class 54 Rating, Add</i>	349.32	
			<i>For Class 55 Rating, Add</i>	776.42	
40 05 19 00-0306	EA		18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,060.47	839.93
			<i>For Class 52 Rating, Deduct</i>	-526.66	
			<i>For Class 54 Rating, Add</i>	359.09	
			<i>For Class 55 Rating, Add</i>	798.13	
40 05 19 00-0307	EA		18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,196.04	843.42
			<i>For Class 52 Rating, Deduct</i>	-540.99	
			<i>For Class 54 Rating, Add</i>	368.86	
			<i>For Class 55 Rating, Add</i>	819.85	
40 05 19 00-0308	EA		18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,331.62	846.91
			<i>For Class 52 Rating, Deduct</i>	-555.33	
			<i>For Class 54 Rating, Add</i>	378.63	
			<i>For Class 55 Rating, Add</i>	841.57	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0309	EA		18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,467.19	850.41
			For Class 52 Rating, Deduct	-569.66	
			For Class 54 Rating, Add	388.40	
			For Class 55 Rating, Add	863.29	
40 05 19 00-0310	EA		18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,602.78	853.91
			For Class 52 Rating, Deduct	-583.99	
			For Class 54 Rating, Add	398.17	
			For Class 55 Rating, Add	885.01	
40 05 19 00-0311	EA		18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,738.35	857.40
			For Class 52 Rating, Deduct	-598.32	
			For Class 54 Rating, Add	407.94	
			For Class 55 Rating, Add	906.72	
40 05 19 00-0312	EA		18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,873.92	860.89
			For Class 52 Rating, Deduct	-612.65	
			For Class 54 Rating, Add	417.72	
			For Class 55 Rating, Add	928.44	
40 05 19 00-0313	EA		18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,009.49	864.39
			For Class 52 Rating, Deduct	-626.98	
			For Class 54 Rating, Add	427.49	
			For Class 55 Rating, Add	950.16	
40 05 19 00-0314	EA		18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,145.06	867.88
			For Class 52 Rating, Deduct	-641.31	
			For Class 54 Rating, Add	437.26	
			For Class 55 Rating, Add	971.88	
40 05 19 00-0315	EA		18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,280.64	871.37
			For Class 52 Rating, Deduct	-655.64	
			For Class 54 Rating, Add	447.03	
			For Class 55 Rating, Add	993.60	
40 05 19 00-0316	EA		18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,416.21	874.86
			For Class 52 Rating, Deduct	-669.97	
			For Class 54 Rating, Add	456.80	
			For Class 55 Rating, Add	1,015.31	
40 05 19 00-0317	EA		18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,551.80	878.36
			For Class 52 Rating, Deduct	-684.30	
			For Class 54 Rating, Add	466.57	
			For Class 55 Rating, Add	1,037.03	
40 05 19 00-0318	EA		18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,687.37	881.86
			For Class 52 Rating, Deduct	-698.64	
			For Class 54 Rating, Add	476.34	
			For Class 55 Rating, Add	1,058.75	
40 05 19 00-0319	EA		18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,822.95	885.35
			For Class 52 Rating, Deduct	-712.97	
			For Class 54 Rating, Add	486.11	
			For Class 55 Rating, Add	1,080.47	
<b>40 05 19 00-0320</b>			<b>20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0321	EA		20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,271.55	862.99
			For Class 52 Rating, Deduct	-216.04	
			For Class 54 Rating, Add	147.30	
			For Class 55 Rating, Add	327.40	
40 05 19 00-0322	EA		20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,426.67	866.48
			For Class 52 Rating, Deduct	-232.52	
			For Class 54 Rating, Add	158.54	
			For Class 55 Rating, Add	352.37	
40 05 19 00-0323	EA		20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,581.78	869.97
			For Class 52 Rating, Deduct	-249.00	
			For Class 54 Rating, Add	169.77	
			For Class 55 Rating, Add	377.35	
40 05 19 00-0324	EA		20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,736.91	873.47
			For Class 52 Rating, Deduct	-265.48	
			For Class 54 Rating, Add	181.01	
			For Class 55 Rating, Add	402.33	
40 05 19 00-0325	EA		20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,892.02	876.96
			For Class 52 Rating, Deduct	-281.96	
			For Class 54 Rating, Add	192.25	
			For Class 55 Rating, Add	427.30	
40 05 19 00-0326	EA		20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,047.14	880.46
			For Class 52 Rating, Deduct	-298.44	
			For Class 54 Rating, Add	203.48	
			For Class 55 Rating, Add	452.28	
40 05 19 00-0327	EA		20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,202.26	883.95
			For Class 52 Rating, Deduct	-314.92	
			For Class 54 Rating, Add	214.72	
			For Class 55 Rating, Add	477.25	
40 05 19 00-0328	EA		20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,357.38	887.45
			For Class 52 Rating, Deduct	-331.40	
			For Class 54 Rating, Add	225.96	
			For Class 55 Rating, Add	502.23	
40 05 19 00-0329	EA		20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,512.50	890.94
			For Class 52 Rating, Deduct	-347.88	
			For Class 54 Rating, Add	237.19	
			For Class 55 Rating, Add	527.20	
40 05 19 00-0330	EA		20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,667.62	894.43
			For Class 52 Rating, Deduct	-364.37	
			For Class 54 Rating, Add	248.43	
			For Class 55 Rating, Add	552.18	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0331	EA		20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,822.72	897.92
			For Class 52 Rating, Deduct	-380.85	
			For Class 54 Rating, Add	259.67	
			For Class 55 Rating, Add	577.15	
40 05 19 00-0332	EA		20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,977.84	901.42
			For Class 52 Rating, Deduct	-397.33	
			For Class 54 Rating, Add	270.90	
			For Class 55 Rating, Add	602.13	
40 05 19 00-0333	EA		20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,132.96	904.91
			For Class 52 Rating, Deduct	-413.81	
			For Class 54 Rating, Add	282.14	
			For Class 55 Rating, Add	627.11	
40 05 19 00-0334	EA		20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,288.07	908.41
			For Class 52 Rating, Deduct	-430.29	
			For Class 54 Rating, Add	293.38	
			For Class 55 Rating, Add	652.08	
40 05 19 00-0335	EA		20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,443.20	911.90
			For Class 52 Rating, Deduct	-446.77	
			For Class 54 Rating, Add	304.61	
			For Class 55 Rating, Add	677.06	
40 05 19 00-0336	EA		20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,598.31	915.40
			For Class 52 Rating, Deduct	-463.25	
			For Class 54 Rating, Add	315.85	
			For Class 55 Rating, Add	702.03	
40 05 19 00-0337	EA		20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,753.44	918.89
			For Class 52 Rating, Deduct	-479.73	
			For Class 54 Rating, Add	327.09	
			For Class 55 Rating, Add	727.01	
40 05 19 00-0338	EA		20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,908.55	922.38
			For Class 52 Rating, Deduct	-496.21	
			For Class 54 Rating, Add	338.33	
			For Class 55 Rating, Add	751.98	
40 05 19 00-0339	EA		20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,063.67	925.87
			For Class 52 Rating, Deduct	-512.69	
			For Class 54 Rating, Add	349.56	
			For Class 55 Rating, Add	776.96	
40 05 19 00-0340	EA		20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,218.78	929.37
			For Class 52 Rating, Deduct	-529.17	
			For Class 54 Rating, Add	360.80	
			For Class 55 Rating, Add	801.94	
40 05 19 00-0341	EA		20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,373.90	932.86
			For Class 52 Rating, Deduct	-545.65	
			For Class 54 Rating, Add	372.04	
			For Class 55 Rating, Add	826.91	
40 05 19 00-0342	EA		20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,529.02	936.36
			For Class 52 Rating, Deduct	-562.13	
			For Class 54 Rating, Add	383.27	
			For Class 55 Rating, Add	851.89	
40 05 19 00-0343	EA		20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,684.14	939.86
			For Class 52 Rating, Deduct	-578.61	
			For Class 54 Rating, Add	394.51	
			For Class 55 Rating, Add	876.86	
40 05 19 00-0344	EA		20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,839.25	943.35
			For Class 52 Rating, Deduct	-595.09	
			For Class 54 Rating, Add	405.75	
			For Class 55 Rating, Add	901.84	
40 05 19 00-0345	EA		20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,994.38	946.84
			For Class 52 Rating, Deduct	-611.57	
			For Class 54 Rating, Add	416.98	
			For Class 55 Rating, Add	926.81	
40 05 19 00-0346	EA		20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,149.49	950.33
			For Class 52 Rating, Deduct	-628.05	
			For Class 54 Rating, Add	428.22	
			For Class 55 Rating, Add	951.79	
40 05 19 00-0347	EA		20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,304.62	953.83
			For Class 52 Rating, Deduct	-644.54	
			For Class 54 Rating, Add	439.46	
			For Class 55 Rating, Add	976.77	
40 05 19 00-0348	EA		20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,459.73	957.32
			For Class 52 Rating, Deduct	-661.02	
			For Class 54 Rating, Add	450.69	
			For Class 55 Rating, Add	1,001.74	
40 05 19 00-0349	EA		20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,614.84	960.82
			For Class 52 Rating, Deduct	-677.50	
			For Class 54 Rating, Add	461.93	
			For Class 55 Rating, Add	1,026.72	
40 05 19 00-0350	EA		20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,769.96	964.31
			For Class 52 Rating, Deduct	-693.98	
			For Class 54 Rating, Add	473.17	
			For Class 55 Rating, Add	1,051.69	
40 05 19 00-0351	EA		20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,925.08	967.81
			For Class 52 Rating, Deduct	-710.46	
			For Class 54 Rating, Add	484.40	
			For Class 55 Rating, Add	1,076.67	
40 05 19 00-0352	EA		20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,080.19	971.30
			For Class 52 Rating, Deduct	-726.94	
			For Class 54 Rating, Add	495.64	
			For Class 55 Rating, Add	1,101.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0353	EA		20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,235.32	974.79
			For Class 52 Rating, Deduct	-743.42	
			For Class 54 Rating, Add	506.88	
			For Class 55 Rating, Add	1,126.62	
40 05 19 00-0354	EA		20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,390.43	978.28
			For Class 52 Rating, Deduct	-759.90	
			For Class 54 Rating, Add	518.11	
			For Class 55 Rating, Add	1,151.59	
40 05 19 00-0355	EA		20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,545.56	981.78
			For Class 52 Rating, Deduct	-776.38	
			For Class 54 Rating, Add	529.35	
			For Class 55 Rating, Add	1,176.57	
40 05 19 00-0356	EA		20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,700.67	985.27
			For Class 52 Rating, Deduct	-792.86	
			For Class 54 Rating, Add	540.59	
			For Class 55 Rating, Add	1,201.55	
40 05 19 00-0357	EA		20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,855.79	988.77
			For Class 52 Rating, Deduct	-809.34	
			For Class 54 Rating, Add	551.82	
			For Class 55 Rating, Add	1,226.52	
40 05 19 00-0358	EA		20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,010.91	992.26
			For Class 52 Rating, Deduct	-825.82	
			For Class 54 Rating, Add	563.06	
			For Class 55 Rating, Add	1,251.50	
40 05 19 00-0359	<b>24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>				
40 05 19 00-0360	EA		24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,997.25	1,020.21
			For Class 52 Rating, Deduct	-269.66	
			For Class 54 Rating, Add	183.86	
			For Class 55 Rating, Add	408.66	
40 05 19 00-0361	EA		24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,188.19	1,023.71
			For Class 52 Rating, Deduct	-290.08	
			For Class 54 Rating, Add	197.78	
			For Class 55 Rating, Add	439.61	
40 05 19 00-0362	EA		24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,379.13	1,027.20
			For Class 52 Rating, Deduct	-310.50	
			For Class 54 Rating, Add	211.71	
			For Class 55 Rating, Add	470.56	
40 05 19 00-0363	EA		24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,570.07	1,030.69
			For Class 52 Rating, Deduct	-330.93	
			For Class 54 Rating, Add	225.63	
			For Class 55 Rating, Add	501.50	
40 05 19 00-0364	EA		24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,761.02	1,034.18
			For Class 52 Rating, Deduct	-351.35	
			For Class 54 Rating, Add	239.56	
			For Class 55 Rating, Add	532.45	
40 05 19 00-0365	EA		24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,951.96	1,037.68
			For Class 52 Rating, Deduct	-371.77	
			For Class 54 Rating, Add	253.48	
			For Class 55 Rating, Add	563.40	
40 05 19 00-0366	EA		24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,142.91	1,041.17
			For Class 52 Rating, Deduct	-392.19	
			For Class 54 Rating, Add	267.40	
			For Class 55 Rating, Add	594.35	
40 05 19 00-0367	EA		24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,333.85	1,044.67
			For Class 52 Rating, Deduct	-412.61	
			For Class 54 Rating, Add	281.33	
			For Class 55 Rating, Add	625.30	
40 05 19 00-0368	EA		24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,524.81	1,048.17
			For Class 52 Rating, Deduct	-433.03	
			For Class 54 Rating, Add	295.25	
			For Class 55 Rating, Add	656.24	
40 05 19 00-0369	EA		24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,715.75	1,051.66
			For Class 52 Rating, Deduct	-453.46	
			For Class 54 Rating, Add	309.17	
			For Class 55 Rating, Add	687.19	
40 05 19 00-0370	EA		24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,906.70	1,055.15
			For Class 52 Rating, Deduct	-473.88	
			For Class 54 Rating, Add	323.10	
			For Class 55 Rating, Add	718.14	
40 05 19 00-0371	EA		24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,097.63	1,058.64
			For Class 52 Rating, Deduct	-494.30	
			For Class 54 Rating, Add	337.02	
			For Class 55 Rating, Add	749.09	
40 05 19 00-0372	EA		24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,288.58	1,062.14
			For Class 52 Rating, Deduct	-514.72	
			For Class 54 Rating, Add	350.95	
			For Class 55 Rating, Add	780.04	
40 05 19 00-0373	EA		24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,479.52	1,065.63
			For Class 52 Rating, Deduct	-535.14	
			For Class 54 Rating, Add	364.87	
			For Class 55 Rating, Add	810.98	
40 05 19 00-0374	EA		24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,670.47	1,069.13
			For Class 52 Rating, Deduct	-555.56	
			For Class 54 Rating, Add	378.79	
			For Class 55 Rating, Add	841.93	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0375	EA		24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,861.41	1,072.62
			<i>For Class 52 Rating, Deduct</i>	-575.99	
			<i>For Class 54 Rating, Add</i>	392.72	
			<i>For Class 55 Rating, Add</i>	872.88	
40 05 19 00-0376	EA		24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,052.37	1,076.12
			<i>For Class 52 Rating, Deduct</i>	-596.41	
			<i>For Class 54 Rating, Add</i>	406.64	
			<i>For Class 55 Rating, Add</i>	903.83	
40 05 19 00-0377	EA		24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,243.31	1,079.61
			<i>For Class 52 Rating, Deduct</i>	-616.83	
			<i>For Class 54 Rating, Add</i>	420.57	
			<i>For Class 55 Rating, Add</i>	934.78	
40 05 19 00-0378	EA		24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,434.26	1,083.10
			<i>For Class 52 Rating, Deduct</i>	-637.25	
			<i>For Class 54 Rating, Add</i>	434.49	
			<i>For Class 55 Rating, Add</i>	965.72	
40 05 19 00-0379	EA		24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,625.20	1,086.59
			<i>For Class 52 Rating, Deduct</i>	-657.67	
			<i>For Class 54 Rating, Add</i>	448.41	
			<i>For Class 55 Rating, Add</i>	996.67	
40 05 19 00-0380	EA		24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,816.15	1,090.09
			<i>For Class 52 Rating, Deduct</i>	-678.09	
			<i>For Class 54 Rating, Add</i>	462.34	
			<i>For Class 55 Rating, Add</i>	1,027.62	
40 05 19 00-0381	EA		24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,007.08	1,093.58
			<i>For Class 52 Rating, Deduct</i>	-698.52	
			<i>For Class 54 Rating, Add</i>	476.26	
			<i>For Class 55 Rating, Add</i>	1,058.57	
40 05 19 00-0382	EA		24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,198.02	1,097.08
			<i>For Class 52 Rating, Deduct</i>	-718.94	
			<i>For Class 54 Rating, Add</i>	490.18	
			<i>For Class 55 Rating, Add</i>	1,089.52	
40 05 19 00-0383	EA		24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,388.97	1,100.57
			<i>For Class 52 Rating, Deduct</i>	-739.36	
			<i>For Class 54 Rating, Add</i>	504.11	
			<i>For Class 55 Rating, Add</i>	1,120.46	
40 05 19 00-0384	EA		24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,579.92	1,104.07
			<i>For Class 52 Rating, Deduct</i>	-759.78	
			<i>For Class 54 Rating, Add</i>	518.03	
			<i>For Class 55 Rating, Add</i>	1,151.41	
40 05 19 00-0385	EA		24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,770.87	1,107.56
			<i>For Class 52 Rating, Deduct</i>	-780.20	
			<i>For Class 54 Rating, Add</i>	531.96	
			<i>For Class 55 Rating, Add</i>	1,182.36	
40 05 19 00-0386	EA		24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,961.81	1,111.05
			<i>For Class 52 Rating, Deduct</i>	-800.62	
			<i>For Class 54 Rating, Add</i>	545.88	
			<i>For Class 55 Rating, Add</i>	1,213.31	
40 05 19 00-0387	EA		24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,152.76	1,114.54
			<i>For Class 52 Rating, Deduct</i>	-821.05	
			<i>For Class 54 Rating, Add</i>	559.80	
			<i>For Class 55 Rating, Add</i>	1,244.26	
40 05 19 00-0388	EA		24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,343.70	1,118.04
			<i>For Class 52 Rating, Deduct</i>	-841.47	
			<i>For Class 54 Rating, Add</i>	573.73	
			<i>For Class 55 Rating, Add</i>	1,275.20	
40 05 19 00-0389	EA		24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,624.64	1,180.93
			<i>For Class 52 Rating, Deduct</i>	-861.89	
			<i>For Class 54 Rating, Add</i>	587.65	
			<i>For Class 55 Rating, Add</i>	1,306.15	
40 05 19 00-0390	EA		24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,815.59	1,184.43
			<i>For Class 52 Rating, Deduct</i>	-882.31	
			<i>For Class 54 Rating, Add</i>	601.58	
			<i>For Class 55 Rating, Add</i>	1,337.10	
40 05 19 00-0391	EA		24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,006.54	1,187.92
			<i>For Class 52 Rating, Deduct</i>	-902.73	
			<i>For Class 54 Rating, Add</i>	615.50	
			<i>For Class 55 Rating, Add</i>	1,368.05	
40 05 19 00-0392	EA		24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,197.48	1,191.41
			<i>For Class 52 Rating, Deduct</i>	-923.15	
			<i>For Class 54 Rating, Add</i>	629.42	
			<i>For Class 55 Rating, Add</i>	1,399.00	
40 05 19 00-0393	EA		24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,388.42	1,194.90
			<i>For Class 52 Rating, Deduct</i>	-943.58	
			<i>For Class 54 Rating, Add</i>	643.35	
			<i>For Class 55 Rating, Add</i>	1,429.95	
40 05 19 00-0394	EA		24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,579.36	1,198.40
			<i>For Class 52 Rating, Deduct</i>	-964.00	
			<i>For Class 54 Rating, Add</i>	657.27	
			<i>For Class 55 Rating, Add</i>	1,460.89	
40 05 19 00-0395	EA		24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,770.31	1,201.89
			<i>For Class 52 Rating, Deduct</i>	-984.42	
			<i>For Class 54 Rating, Add</i>	671.19	
			<i>For Class 55 Rating, Add</i>	1,491.84	
40 05 19 00-0396	EA		24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,961.25	1,205.39
			<i>For Class 52 Rating, Deduct</i>	-1,004.84	
			<i>For Class 54 Rating, Add</i>	685.12	
			<i>For Class 55 Rating, Add</i>	1,522.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0397	EA		24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,152.20	1,208.88
			For Class 52 Rating, Deduct	-1,025.26	
			For Class 54 Rating, Add	699.04	
			For Class 55 Rating, Add	1,553.74	
<b>40 05 19 00-0398</b>			<b>30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0399	EA		30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,078.62	1,439.47
			For Class 52 Rating, Deduct	-428.73	
			For Class 54 Rating, Add	292.32	
			For Class 55 Rating, Add	649.73	
40 05 19 00-0400	EA		30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,352.07	1,442.97
			For Class 52 Rating, Deduct	-458.23	
			For Class 54 Rating, Add	312.43	
			For Class 55 Rating, Add	694.43	
40 05 19 00-0401	EA		30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,625.54	1,446.46
			For Class 52 Rating, Deduct	-487.73	
			For Class 54 Rating, Add	332.54	
			For Class 55 Rating, Add	739.13	
40 05 19 00-0402	EA		30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,898.98	1,449.96
			For Class 52 Rating, Deduct	-517.23	
			For Class 54 Rating, Add	352.66	
			For Class 55 Rating, Add	783.84	
40 05 19 00-0403	EA		30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,172.44	1,453.46
			For Class 52 Rating, Deduct	-546.73	
			For Class 54 Rating, Add	372.77	
			For Class 55 Rating, Add	828.54	
40 05 19 00-0404	EA		30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,445.90	1,456.95
			For Class 52 Rating, Deduct	-576.23	
			For Class 54 Rating, Add	392.88	
			For Class 55 Rating, Add	873.24	
40 05 19 00-0405	EA		30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,719.36	1,460.44
			For Class 52 Rating, Deduct	-605.72	
			For Class 54 Rating, Add	412.99	
			For Class 55 Rating, Add	917.95	
40 05 19 00-0406	EA		30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,992.81	1,463.93
			For Class 52 Rating, Deduct	-635.22	
			For Class 54 Rating, Add	433.10	
			For Class 55 Rating, Add	962.65	
40 05 19 00-0407	EA		30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,266.27	1,467.43
			For Class 52 Rating, Deduct	-664.72	
			For Class 54 Rating, Add	453.22	
			For Class 55 Rating, Add	1,007.35	
40 05 19 00-0408	EA		30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,539.73	1,470.92
			For Class 52 Rating, Deduct	-694.22	
			For Class 54 Rating, Add	473.33	
			For Class 55 Rating, Add	1,052.05	
40 05 19 00-0409	EA		30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,813.19	1,474.41
			For Class 52 Rating, Deduct	-723.71	
			For Class 54 Rating, Add	493.44	
			For Class 55 Rating, Add	1,096.76	
40 05 19 00-0410	EA		30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,086.64	1,477.91
			For Class 52 Rating, Deduct	-753.21	
			For Class 54 Rating, Add	513.55	
			For Class 55 Rating, Add	1,141.46	
40 05 19 00-0411	EA		30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,360.10	1,481.41
			For Class 52 Rating, Deduct	-782.71	
			For Class 54 Rating, Add	533.67	
			For Class 55 Rating, Add	1,186.16	
40 05 19 00-0412	EA		30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,633.55	1,484.90
			For Class 52 Rating, Deduct	-812.21	
			For Class 54 Rating, Add	553.78	
			For Class 55 Rating, Add	1,230.86	
40 05 19 00-0413	EA		30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,907.01	1,488.39
			For Class 52 Rating, Deduct	-841.71	
			For Class 54 Rating, Add	573.89	
			For Class 55 Rating, Add	1,275.57	
40 05 19 00-0414	EA		30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,180.47	1,491.88
			For Class 52 Rating, Deduct	-871.20	
			For Class 54 Rating, Add	594.00	
			For Class 55 Rating, Add	1,320.27	
40 05 19 00-0415	EA		30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,453.92	1,495.38
			For Class 52 Rating, Deduct	-900.70	
			For Class 54 Rating, Add	614.12	
			For Class 55 Rating, Add	1,364.97	
40 05 19 00-0416	EA		30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,727.38	1,498.87
			For Class 52 Rating, Deduct	-930.20	
			For Class 54 Rating, Add	634.23	
			For Class 55 Rating, Add	1,409.68	
40 05 19 00-0417	EA		30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,000.83	1,502.37
			For Class 52 Rating, Deduct	-959.70	
			For Class 54 Rating, Add	654.34	
			For Class 55 Rating, Add	1,454.38	
40 05 19 00-0418	EA		30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,274.30	1,505.86
			For Class 52 Rating, Deduct	-989.20	
			For Class 54 Rating, Add	674.45	
			For Class 55 Rating, Add	1,499.08	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0419	EA 30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,547.75	1,509.36
	For Class 52 Rating, Deduct	-1,018.69	
	For Class 54 Rating, Add	694.56	
	For Class 55 Rating, Add	1,543.78	
40 05 19 00-0420	EA 30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,821.21	1,512.85
	For Class 52 Rating, Deduct	-1,048.19	
	For Class 54 Rating, Add	714.68	
	For Class 55 Rating, Add	1,588.49	
40 05 19 00-0421	EA 30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,094.66	1,516.34
	For Class 52 Rating, Deduct	-1,077.69	
	For Class 54 Rating, Add	734.79	
	For Class 55 Rating, Add	1,633.19	
40 05 19 00-0422	EA 30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,368.12	1,519.83
	For Class 52 Rating, Deduct	-1,107.19	
	For Class 54 Rating, Add	754.90	
	For Class 55 Rating, Add	1,677.89	
40 05 19 00-0423	EA 30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,640.49	1,523.33
	For Class 52 Rating, Deduct	-1,136.57	
	For Class 54 Rating, Add	774.93	
	For Class 55 Rating, Add	1,722.41	
40 05 19 00-0424	EA 30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,915.04	1,526.82
	For Class 52 Rating, Deduct	-1,166.18	
	For Class 54 Rating, Add	795.13	
	For Class 55 Rating, Add	1,767.30	
40 05 19 00-0425	EA 30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,188.49	1,530.32
	For Class 52 Rating, Deduct	-1,195.68	
	For Class 54 Rating, Add	815.24	
	For Class 55 Rating, Add	1,812.00	
40 05 19 00-0426	EA 30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,461.95	1,533.81
	For Class 52 Rating, Deduct	-1,225.18	
	For Class 54 Rating, Add	835.35	
	For Class 55 Rating, Add	1,856.70	
40 05 19 00-0427	EA 30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,735.40	1,537.31
	For Class 52 Rating, Deduct	-1,254.68	
	For Class 54 Rating, Add	855.46	
	For Class 55 Rating, Add	1,901.41	
40 05 19 00-0428	EA 30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,008.87	1,540.80
	For Class 52 Rating, Deduct	-1,284.18	
	For Class 54 Rating, Add	875.57	
	For Class 55 Rating, Add	1,946.11	
40 05 19 00-0429	EA 30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,282.32	1,544.29
	For Class 52 Rating, Deduct	-1,313.67	
	For Class 54 Rating, Add	895.69	
	For Class 55 Rating, Add	1,990.81	
40 05 19 00-0430	EA 30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,555.77	1,547.78
	For Class 52 Rating, Deduct	-1,343.17	
	For Class 54 Rating, Add	915.80	
	For Class 55 Rating, Add	2,035.51	
40 05 19 00-0431	EA 30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,829.23	1,551.28
	For Class 52 Rating, Deduct	-1,372.67	
	For Class 54 Rating, Add	935.91	
	For Class 55 Rating, Add	2,080.22	
40 05 19 00-0432	EA 30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,102.69	1,554.77
	For Class 52 Rating, Deduct	-1,402.17	
	For Class 54 Rating, Add	956.02	
	For Class 55 Rating, Add	2,124.92	
40 05 19 00-0433	EA 30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,376.14	1,558.27
	For Class 52 Rating, Deduct	-1,431.66	
	For Class 54 Rating, Add	976.13	
	For Class 55 Rating, Add	2,169.62	
40 05 19 00-0434	EA 30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,649.60	1,561.77
	For Class 52 Rating, Deduct	-1,461.16	
	For Class 54 Rating, Add	996.25	
	For Class 55 Rating, Add	2,214.32	
40 05 19 00-0435	EA 30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,923.06	1,565.26
	For Class 52 Rating, Deduct	-1,490.66	
	For Class 54 Rating, Add	1,016.36	
	For Class 55 Rating, Add	2,259.03	
40 05 19 00-0436	EA 30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,196.52	1,568.75
	For Class 52 Rating, Deduct	-1,520.16	
	For Class 54 Rating, Add	1,036.47	
	For Class 55 Rating, Add	2,303.73	

**40 05 19 00-0437 36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe** (40 05 19 00-0002)

40 05 19 00-0438	EA 36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,340.48	1,823.80
	For Class 52 Rating, Deduct	-613.49	
	For Class 54 Rating, Add	418.29	
	For Class 55 Rating, Add	929.71	
40 05 19 00-0439	EA 36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,710.56	1,827.30
	For Class 52 Rating, Deduct	-653.61	
	For Class 54 Rating, Add	445.64	
	For Class 55 Rating, Add	990.52	
40 05 19 00-0440	EA 36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,080.65	1,830.79
	For Class 52 Rating, Deduct	-693.74	
	For Class 54 Rating, Add	473.00	
	For Class 55 Rating, Add	1,051.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0441	EA		36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,450.72	1,834.29
			For Class 52 Rating, Deduct	-733.87	
			For Class 54 Rating, Add	500.36	
			For Class 55 Rating, Add	1,112.14	
40 05 19 00-0442	EA		36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,820.81	1,837.78
			For Class 52 Rating, Deduct	-773.99	
			For Class 54 Rating, Add	527.72	
			For Class 55 Rating, Add	1,172.95	
40 05 19 00-0443	EA		36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,190.88	1,841.27
			For Class 52 Rating, Deduct	-814.12	
			For Class 54 Rating, Add	555.08	
			For Class 55 Rating, Add	1,233.76	
40 05 19 00-0444	EA		36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,560.97	1,844.76
			For Class 52 Rating, Deduct	-854.25	
			For Class 54 Rating, Add	582.44	
			For Class 55 Rating, Add	1,294.57	
40 05 19 00-0445	EA		36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,931.05	1,848.26
			For Class 52 Rating, Deduct	-894.37	
			For Class 54 Rating, Add	609.80	
			For Class 55 Rating, Add	1,355.38	
40 05 19 00-0446	EA		36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,301.14	1,851.75
			For Class 52 Rating, Deduct	-934.50	
			For Class 54 Rating, Add	637.16	
			For Class 55 Rating, Add	1,416.19	
40 05 19 00-0447	EA		36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,671.21	1,855.25
			For Class 52 Rating, Deduct	-974.63	
			For Class 54 Rating, Add	664.52	
			For Class 55 Rating, Add	1,477.00	
40 05 19 00-0448	EA		36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,041.30	1,858.74
			For Class 52 Rating, Deduct	-1,014.75	
			For Class 54 Rating, Add	691.88	
			For Class 55 Rating, Add	1,537.81	
40 05 19 00-0449	EA		36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,411.38	1,862.24
			For Class 52 Rating, Deduct	-1,054.88	
			For Class 54 Rating, Add	719.24	
			For Class 55 Rating, Add	1,598.62	
40 05 19 00-0450	EA		36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,781.47	1,865.73
			For Class 52 Rating, Deduct	-1,095.01	
			For Class 54 Rating, Add	746.60	
			For Class 55 Rating, Add	1,659.43	
40 05 19 00-0451	EA		36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,151.55	1,869.22
			For Class 52 Rating, Deduct	-1,135.13	
			For Class 54 Rating, Add	773.95	
			For Class 55 Rating, Add	1,720.24	
40 05 19 00-0452	EA		36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,521.63	1,872.72
			For Class 52 Rating, Deduct	-1,175.26	
			For Class 54 Rating, Add	801.31	
			For Class 55 Rating, Add	1,781.05	
40 05 19 00-0453	EA		36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,891.71	1,876.21
			For Class 52 Rating, Deduct	-1,215.39	
			For Class 54 Rating, Add	828.67	
			For Class 55 Rating, Add	1,841.86	
40 05 19 00-0454	EA		36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,261.79	1,879.70
			For Class 52 Rating, Deduct	-1,255.51	
			For Class 54 Rating, Add	856.03	
			For Class 55 Rating, Add	1,902.67	
40 05 19 00-0455	EA		36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,631.87	1,883.20
			For Class 52 Rating, Deduct	-1,295.64	
			For Class 54 Rating, Add	883.39	
			For Class 55 Rating, Add	1,963.48	
40 05 19 00-0456	EA		36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,001.96	1,886.70
			For Class 52 Rating, Deduct	-1,335.77	
			For Class 54 Rating, Add	910.75	
			For Class 55 Rating, Add	2,024.29	
40 05 19 00-0457	EA		36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,372.04	1,890.19
			For Class 52 Rating, Deduct	-1,375.89	
			For Class 54 Rating, Add	938.11	
			For Class 55 Rating, Add	2,085.10	
40 05 19 00-0458	EA		36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,742.12	1,893.68
			For Class 52 Rating, Deduct	-1,416.02	
			For Class 54 Rating, Add	965.47	
			For Class 55 Rating, Add	2,145.91	
40 05 19 00-0459	EA		36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,112.21	1,897.17
			For Class 52 Rating, Deduct	-1,456.15	
			For Class 54 Rating, Add	992.83	
			For Class 55 Rating, Add	2,206.72	
40 05 19 00-0460	EA		36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,482.28	1,900.67
			For Class 52 Rating, Deduct	-1,496.27	
			For Class 54 Rating, Add	1,020.19	
			For Class 55 Rating, Add	2,267.53	
40 05 19 00-0461	EA		36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,852.37	1,904.16
			For Class 52 Rating, Deduct	-1,536.40	
			For Class 54 Rating, Add	1,047.55	
			For Class 55 Rating, Add	2,328.34	
40 05 19 00-0462	EA		36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,222.44	1,907.66
			For Class 52 Rating, Deduct	-1,576.53	
			For Class 54 Rating, Add	1,074.90	
			For Class 55 Rating, Add	2,389.15	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0463	EA 36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,592.53	1,911.15
	For Class 52 Rating, Deduct	-1,616.65	
	For Class 54 Rating, Add	1,102.26	
	For Class 55 Rating, Add	2,449.96	
40 05 19 00-0464	EA 36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,962.61	1,914.65
	For Class 52 Rating, Deduct	-1,656.78	
	For Class 54 Rating, Add	1,129.62	
	For Class 55 Rating, Add	2,510.78	
40 05 19 00-0465	EA 36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	18,332.70	1,918.14
	For Class 52 Rating, Deduct	-1,696.91	
	For Class 54 Rating, Add	1,156.98	
	For Class 55 Rating, Add	2,571.59	
40 05 19 00-0466	EA 36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	18,702.78	1,921.63
	For Class 52 Rating, Deduct	-1,737.03	
	For Class 54 Rating, Add	1,184.34	
	For Class 55 Rating, Add	2,632.40	
40 05 19 00-0467	EA 36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,072.86	1,925.12
	For Class 52 Rating, Deduct	-1,777.16	
	For Class 54 Rating, Add	1,211.70	
	For Class 55 Rating, Add	2,693.21	
40 05 19 00-0468	EA 36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,442.94	1,928.62
	For Class 52 Rating, Deduct	-1,817.29	
	For Class 54 Rating, Add	1,239.06	
	For Class 55 Rating, Add	2,754.02	
40 05 19 00-0469	EA 36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,813.03	1,932.11
	For Class 52 Rating, Deduct	-1,857.41	
	For Class 54 Rating, Add	1,266.42	
	For Class 55 Rating, Add	2,814.83	
40 05 19 00-0470	EA 36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	20,183.11	1,935.61
	For Class 52 Rating, Deduct	-1,897.54	
	For Class 54 Rating, Add	1,293.78	
	For Class 55 Rating, Add	2,875.64	
40 05 19 00-0471	EA 36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	20,553.19	1,939.10
	For Class 52 Rating, Deduct	-1,937.67	
	For Class 54 Rating, Add	1,321.14	
	For Class 55 Rating, Add	2,936.45	
40 05 19 00-0472	EA 36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	20,923.27	1,942.60
	For Class 52 Rating, Deduct	-1,977.79	
	For Class 54 Rating, Add	1,348.50	
	For Class 55 Rating, Add	2,997.26	
40 05 19 00-0473	EA 36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	21,293.36	1,946.09
	For Class 52 Rating, Deduct	-2,017.92	
	For Class 54 Rating, Add	1,375.86	
	For Class 55 Rating, Add	3,058.07	
40 05 19 00-0474	EA 36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	21,663.43	1,949.58
	For Class 52 Rating, Deduct	-2,058.05	
	For Class 54 Rating, Add	1,403.21	
	For Class 55 Rating, Add	3,118.88	
40 05 19 00-0475	EA 36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	22,033.52	1,953.07
	For Class 52 Rating, Deduct	-2,098.17	
	For Class 54 Rating, Add	1,430.57	
	For Class 55 Rating, Add	3,179.69	

**40 05 19 00-0476 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,  
Ductile Iron Pipe** (40 05 19 00-0002)

40 05 19 00-0477	EA 42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,923.44	2,298.97
	For Class 52 Rating, Deduct	-818.42	
	For Class 54 Rating, Add	558.01	
	For Class 55 Rating, Add	1,240.27	
40 05 19 00-0478	EA 42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,473.76	2,302.46
	For Class 52 Rating, Deduct	-878.37	
	For Class 54 Rating, Add	598.89	
	For Class 55 Rating, Add	1,331.13	
40 05 19 00-0479	EA 42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,017.54	2,305.96
	For Class 52 Rating, Deduct	-937.60	
	For Class 54 Rating, Add	639.28	
	For Class 55 Rating, Add	1,420.90	
40 05 19 00-0480	EA 42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,566.77	2,309.45
	For Class 52 Rating, Deduct	-997.44	
	For Class 54 Rating, Add	680.07	
	For Class 55 Rating, Add	1,511.57	
40 05 19 00-0481	EA 42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,110.56	2,312.95
	For Class 52 Rating, Deduct	-1,056.67	
	For Class 54 Rating, Add	720.46	
	For Class 55 Rating, Add	1,601.34	
40 05 19 00-0482	EA 42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,660.87	2,316.44
	For Class 52 Rating, Deduct	-1,116.62	
	For Class 54 Rating, Add	761.33	
	For Class 55 Rating, Add	1,692.19	
40 05 19 00-0483	EA 42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,203.57	2,319.94
	For Class 52 Rating, Deduct	-1,175.74	
	For Class 54 Rating, Add	801.64	
	For Class 55 Rating, Add	1,781.78	
40 05 19 00-0484	EA 42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,753.88	2,323.43
	For Class 52 Rating, Deduct	-1,235.69	
	For Class 54 Rating, Add	842.51	
	For Class 55 Rating, Add	1,872.63	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0485	EA		42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,297.67	2,326.92
			For Class 52 Rating, Deduct	-1,294.92	
			For Class 54 Rating, Add	882.90	
			For Class 55 Rating, Add	1,962.40	
40 05 19 00-0486	EA		42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,846.88	2,330.41
			For Class 52 Rating, Deduct	-1,354.75	
			For Class 54 Rating, Add	923.70	
			For Class 55 Rating, Add	2,053.07	
40 05 19 00-0487	EA		42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,390.67	2,333.91
			For Class 52 Rating, Deduct	-1,413.99	
			For Class 54 Rating, Add	964.08	
			For Class 55 Rating, Add	2,142.84	
40 05 19 00-0488	EA		42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,939.90	2,337.40
			For Class 52 Rating, Deduct	-1,473.82	
			For Class 54 Rating, Add	1,004.88	
			For Class 55 Rating, Add	2,233.51	
40 05 19 00-0489	EA		42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,483.68	2,340.90
			For Class 52 Rating, Deduct	-1,533.06	
			For Class 54 Rating, Add	1,045.27	
			For Class 55 Rating, Add	2,323.28	
40 05 19 00-0490	EA		42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,028.57	2,344.39
			For Class 52 Rating, Deduct	-1,592.41	
			For Class 54 Rating, Add	1,085.73	
			For Class 55 Rating, Add	2,413.23	
40 05 19 00-0491	EA		42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,576.70	2,347.89
			For Class 52 Rating, Deduct	-1,652.12	
			For Class 54 Rating, Add	1,126.45	
			For Class 55 Rating, Add	2,503.72	
40 05 19 00-0492	EA		42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,120.49	2,351.38
			For Class 52 Rating, Deduct	-1,711.36	
			For Class 54 Rating, Add	1,166.83	
			For Class 55 Rating, Add	2,593.48	
40 05 19 00-0493	EA		42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,670.80	2,354.87
			For Class 52 Rating, Deduct	-1,771.31	
			For Class 54 Rating, Add	1,207.71	
			For Class 55 Rating, Add	2,684.34	
40 05 19 00-0494	EA		42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,214.59	2,358.36
			For Class 52 Rating, Deduct	-1,830.54	
			For Class 54 Rating, Add	1,248.10	
			For Class 55 Rating, Add	2,774.10	
40 05 19 00-0495	EA		42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,763.80	2,361.86
			For Class 52 Rating, Deduct	-1,890.38	
			For Class 54 Rating, Add	1,288.89	
			For Class 55 Rating, Add	2,864.78	
40 05 19 00-0496	EA		42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,307.60	2,365.35
			For Class 52 Rating, Deduct	-1,949.61	
			For Class 54 Rating, Add	1,329.28	
			For Class 55 Rating, Add	2,954.55	
40 05 19 00-0497	EA		42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,857.90	2,368.85
			For Class 52 Rating, Deduct	-2,009.56	
			For Class 54 Rating, Add	1,370.16	
			For Class 55 Rating, Add	3,045.40	
40 05 19 00-0498	EA		42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,401.69	2,372.34
			For Class 52 Rating, Deduct	-2,068.80	
			For Class 54 Rating, Add	1,410.54	
			For Class 55 Rating, Add	3,135.17	
40 05 19 00-0499	EA		42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,950.91	2,375.84
			For Class 52 Rating, Deduct	-2,128.63	
			For Class 54 Rating, Add	1,451.34	
			For Class 55 Rating, Add	3,225.84	
40 05 19 00-0500	EA		42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,494.71	2,379.33
			For Class 52 Rating, Deduct	-2,187.86	
			For Class 54 Rating, Add	1,491.72	
			For Class 55 Rating, Add	3,315.61	
40 05 19 00-0501	EA		42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,045.01	2,382.82
			For Class 52 Rating, Deduct	-2,247.81	
			For Class 54 Rating, Add	1,532.60	
			For Class 55 Rating, Add	3,406.46	
40 05 19 00-0502	EA		42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,588.81	2,386.32
			For Class 52 Rating, Deduct	-2,307.05	
			For Class 54 Rating, Add	1,572.99	
			For Class 55 Rating, Add	3,496.23	
40 05 19 00-0503	EA		42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,136.94	2,389.81
			For Class 52 Rating, Deduct	-2,366.76	
			For Class 54 Rating, Add	1,613.70	
			For Class 55 Rating, Add	3,586.72	
40 05 19 00-0504	EA		42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,681.80	2,393.30
			For Class 52 Rating, Deduct	-2,426.11	
			For Class 54 Rating, Add	1,654.17	
			For Class 55 Rating, Add	3,676.67	
40 05 19 00-0505	EA		42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,117.03	2,396.80
			For Class 52 Rating, Deduct	-2,473.41	
			For Class 54 Rating, Add	1,686.41	
			For Class 55 Rating, Add	3,748.34	
40 05 19 00-0506	EA		42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,774.81	2,400.30
			For Class 52 Rating, Deduct	-2,545.18	
			For Class 54 Rating, Add	1,735.35	
			For Class 55 Rating, Add	3,857.11	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0507	EA 42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	27,318.61	2,403.79
	For Class 52 Rating, Deduct	-2,604.42	
	For Class 54 Rating, Add	1,775.74	
	For Class 55 Rating, Add	3,946.87	
40 05 19 00-0508	EA 42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	27,867.83	2,407.28
	For Class 52 Rating, Deduct	-2,664.25	
	For Class 54 Rating, Add	1,816.53	
	For Class 55 Rating, Add	4,037.55	
40 05 19 00-0509	EA 42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	28,411.62	2,410.77
	For Class 52 Rating, Deduct	-2,723.48	
	For Class 54 Rating, Add	1,856.92	
	For Class 55 Rating, Add	4,127.31	
40 05 19 00-0510	EA 42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	28,961.92	2,414.27
	For Class 52 Rating, Deduct	-2,783.43	
	For Class 54 Rating, Add	1,897.80	
	For Class 55 Rating, Add	4,218.17	
40 05 19 00-0511	EA 42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	29,504.64	2,417.76
	For Class 52 Rating, Deduct	-2,842.55	
	For Class 54 Rating, Add	1,938.10	
	For Class 55 Rating, Add	4,307.75	
40 05 19 00-0512	EA 42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	30,054.94	2,421.26
	For Class 52 Rating, Deduct	-2,902.50	
	For Class 54 Rating, Add	1,978.98	
	For Class 55 Rating, Add	4,398.61	
40 05 19 00-0513	EA 42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	30,598.73	2,424.75
	For Class 52 Rating, Deduct	-2,961.73	
	For Class 54 Rating, Add	2,019.36	
	For Class 55 Rating, Add	4,488.37	
40 05 19 00-0514	EA 42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	31,147.94	2,428.25
	For Class 52 Rating, Deduct	-3,021.57	
	For Class 54 Rating, Add	2,060.16	
	For Class 55 Rating, Add	4,579.05	

**40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe**

(40 05 19 00-0002)

40 05 19 00-0516	EA 48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,706.09	2,889.44
	For Class 52 Rating, Deduct	-1,026.10	
	For Class 54 Rating, Add	699.61	
	For Class 55 Rating, Add	1,555.00	
40 05 19 00-0517	EA 48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,505.01	2,892.93
	For Class 52 Rating, Deduct	-1,113.40	
	For Class 54 Rating, Add	759.13	
	For Class 55 Rating, Add	1,687.30	
40 05 19 00-0518	EA 48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,302.86	2,896.42
	For Class 52 Rating, Deduct	-1,200.58	
	For Class 54 Rating, Add	818.58	
	For Class 55 Rating, Add	1,819.42	
40 05 19 00-0519	EA 48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,107.21	2,899.91
	For Class 52 Rating, Deduct	-1,288.47	
	For Class 54 Rating, Add	878.51	
	For Class 55 Rating, Add	1,952.62	
40 05 19 00-0520	EA 48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,906.14	2,903.41
	For Class 52 Rating, Deduct	-1,375.77	
	For Class 54 Rating, Add	938.03	
	For Class 55 Rating, Add	2,084.92	
40 05 19 00-0521	EA 48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,705.07	2,906.90
	For Class 52 Rating, Deduct	-1,463.07	
	For Class 54 Rating, Add	997.55	
	For Class 55 Rating, Add	2,217.22	
40 05 19 00-0522	EA 48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	18,508.34	2,910.40
	For Class 52 Rating, Deduct	-1,550.85	
	For Class 54 Rating, Add	1,057.40	
	For Class 55 Rating, Add	2,350.24	
40 05 19 00-0523	EA 48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,308.34	2,913.90
	For Class 52 Rating, Deduct	-1,638.27	
	For Class 54 Rating, Add	1,117.00	
	For Class 55 Rating, Add	2,482.72	
40 05 19 00-0524	EA 48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	20,106.18	2,917.39
	For Class 52 Rating, Deduct	-1,725.45	
	For Class 54 Rating, Add	1,176.44	
	For Class 55 Rating, Add	2,614.84	
40 05 19 00-0525	EA 48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	20,910.54	2,920.88
	For Class 52 Rating, Deduct	-1,813.35	
	For Class 54 Rating, Add	1,236.37	
	For Class 55 Rating, Add	2,748.04	
40 05 19 00-0526	EA 48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	21,709.47	2,924.37
	For Class 52 Rating, Deduct	-1,900.65	
	For Class 54 Rating, Add	1,295.90	
	For Class 55 Rating, Add	2,880.34	
40 05 19 00-0527	EA 48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	22,513.82	2,927.87
	For Class 52 Rating, Deduct	-1,988.54	
	For Class 54 Rating, Add	1,355.82	
	For Class 55 Rating, Add	3,013.55	
40 05 19 00-0528	EA 48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	23,311.66	2,931.36
	For Class 52 Rating, Deduct	-2,075.72	
	For Class 54 Rating, Add	1,415.27	
	For Class 55 Rating, Add	3,145.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0529	EA		48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,110.59	2,934.85
			<i>For Class 52 Rating, Deduct</i>	-2,163.02	
			<i>For Class 54 Rating, Add</i>	1,474.79	
			<i>For Class 55 Rating, Add</i>	3,277.96	
40 05 19 00-0530	EA		48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,914.95	2,938.35
			<i>For Class 52 Rating, Deduct</i>	-2,250.92	
			<i>For Class 54 Rating, Add</i>	1,534.72	
			<i>For Class 55 Rating, Add</i>	3,411.17	
40 05 19 00-0531	EA		48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,713.87	2,941.85
			<i>For Class 52 Rating, Deduct</i>	-2,338.22	
			<i>For Class 54 Rating, Add</i>	1,594.24	
			<i>For Class 55 Rating, Add</i>	3,543.46	
40 05 19 00-0532	EA		48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,511.72	2,945.34
			<i>For Class 52 Rating, Deduct</i>	-2,425.40	
			<i>For Class 54 Rating, Add</i>	1,653.68	
			<i>For Class 55 Rating, Add</i>	3,675.58	
40 05 19 00-0533	EA		48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,316.06	2,948.83
			<i>For Class 52 Rating, Deduct</i>	-2,513.30	
			<i>For Class 54 Rating, Add</i>	1,713.61	
			<i>For Class 55 Rating, Add</i>	3,808.78	
40 05 19 00-0534	EA		48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	28,114.99	2,952.32
			<i>For Class 52 Rating, Deduct</i>	-2,600.59	
			<i>For Class 54 Rating, Add</i>	1,773.13	
			<i>For Class 55 Rating, Add</i>	3,941.08	
40 05 19 00-0535	EA		48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	28,912.82	2,955.82
			<i>For Class 52 Rating, Deduct</i>	-2,687.77	
			<i>For Class 54 Rating, Add</i>	1,832.57	
			<i>For Class 55 Rating, Add</i>	4,073.20	
40 05 19 00-0536	EA		48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	29,717.18	2,959.31
			<i>For Class 52 Rating, Deduct</i>	-2,775.67	
			<i>For Class 54 Rating, Add</i>	1,892.50	
			<i>For Class 55 Rating, Add</i>	4,206.40	
40 05 19 00-0537	EA		48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	30,517.19	2,962.81
			<i>For Class 52 Rating, Deduct</i>	-2,863.09	
			<i>For Class 54 Rating, Add</i>	1,952.11	
			<i>For Class 55 Rating, Add</i>	4,338.88	
40 05 19 00-0538	EA		48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	31,315.04	2,966.30
			<i>For Class 52 Rating, Deduct</i>	-2,950.27	
			<i>For Class 54 Rating, Add</i>	2,011.55	
			<i>For Class 55 Rating, Add</i>	4,471.00	
40 05 19 00-0539	EA		48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	32,119.39	2,969.80
			<i>For Class 52 Rating, Deduct</i>	-3,038.17	
			<i>For Class 54 Rating, Add</i>	2,071.48	
			<i>For Class 55 Rating, Add</i>	4,604.20	
40 05 19 00-0540	EA		48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	32,918.32	2,973.29
			<i>For Class 52 Rating, Deduct</i>	-3,125.47	
			<i>For Class 54 Rating, Add</i>	2,131.00	
			<i>For Class 55 Rating, Add</i>	4,736.50	
40 05 19 00-0541	EA		48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	33,716.16	2,976.78
			<i>For Class 52 Rating, Deduct</i>	-3,212.65	
			<i>For Class 54 Rating, Add</i>	2,190.44	
			<i>For Class 55 Rating, Add</i>	4,868.62	
40 05 19 00-0542	EA		48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	34,520.51	2,980.27
			<i>For Class 52 Rating, Deduct</i>	-3,300.54	
			<i>For Class 54 Rating, Add</i>	2,250.37	
			<i>For Class 55 Rating, Add</i>	5,001.82	
40 05 19 00-0543	EA		48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	35,319.43	2,983.77
			<i>For Class 52 Rating, Deduct</i>	-3,387.84	
			<i>For Class 54 Rating, Add</i>	2,309.89	
			<i>For Class 55 Rating, Add</i>	5,134.12	
40 05 19 00-0544	EA		48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	36,020.64	2,987.26
			<i>For Class 52 Rating, Deduct</i>	-3,464.39	
			<i>For Class 54 Rating, Add</i>	2,362.09	
			<i>For Class 55 Rating, Add</i>	5,250.13	
40 05 19 00-0545	EA		48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	36,922.71	2,990.76
			<i>For Class 52 Rating, Deduct</i>	-3,563.04	
			<i>For Class 54 Rating, Add</i>	2,429.34	
			<i>For Class 55 Rating, Add</i>	5,399.62	
40 05 19 00-0546	EA		48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	37,720.55	2,994.25
			<i>For Class 52 Rating, Deduct</i>	-3,650.22	
			<i>For Class 54 Rating, Add</i>	2,488.79	
			<i>For Class 55 Rating, Add</i>	5,531.74	
40 05 19 00-0547	EA		48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	38,526.00	2,997.75
			<i>For Class 52 Rating, Deduct</i>	-3,738.24	
			<i>For Class 54 Rating, Add</i>	2,548.80	
			<i>For Class 55 Rating, Add</i>	5,665.13	
40 05 19 00-0548	EA		48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	39,323.83	3,001.24
			<i>For Class 52 Rating, Deduct</i>	-3,825.42	
			<i>For Class 54 Rating, Add</i>	2,608.24	
			<i>For Class 55 Rating, Add</i>	5,797.24	
40 05 19 00-0549	EA		48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	40,121.68	3,004.73
			<i>For Class 52 Rating, Deduct</i>	-3,912.60	
			<i>For Class 54 Rating, Add</i>	2,667.68	
			<i>For Class 55 Rating, Add</i>	5,929.36	
40 05 19 00-0550	EA		48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	40,927.11	3,008.23
			<i>For Class 52 Rating, Deduct</i>	-4,000.61	
			<i>For Class 54 Rating, Add</i>	2,727.69	
			<i>For Class 55 Rating, Add</i>	6,062.74	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0551	EA		48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	41,724.95	3,011.72
			For Class 52 Rating, Deduct	-4,087.79	
			For Class 54 Rating, Add	2,787.13	
			For Class 55 Rating, Add	6,194.86	
40 05 19 00-0552	EA		48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	42,523.87	3,015.21
			For Class 52 Rating, Deduct	-4,175.09	
			For Class 54 Rating, Add	2,846.65	
			For Class 55 Rating, Add	6,327.16	
40 05 19 00-0553	EA		48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	43,328.23	3,018.71
			For Class 52 Rating, Deduct	-4,262.99	
			For Class 54 Rating, Add	2,906.58	
			For Class 55 Rating, Add	6,460.36	
40 05 19 00-0554			Flanged End x Grooved End (FxG), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
40 05 19 00-0555			4" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0556	EA		4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	426.81	159.88
			For Class 52 Rating, Deduct	-20.30	
			For Class 54 Rating, Add	13.84	
			For Class 55 Rating, Add	30.77	
40 05 19 00-0557	EA		4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	459.27	162.68
			For Class 52 Rating, Deduct	-23.41	
			For Class 54 Rating, Add	15.96	
			For Class 55 Rating, Add	35.47	
40 05 19 00-0558	EA		4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	491.73	165.47
			For Class 52 Rating, Deduct	-26.51	
			For Class 54 Rating, Add	18.08	
			For Class 55 Rating, Add	40.18	
40 05 19 00-0559	EA		4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	524.20	168.27
			For Class 52 Rating, Deduct	-29.62	
			For Class 54 Rating, Add	20.19	
			For Class 55 Rating, Add	44.88	
40 05 19 00-0560	EA		4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	556.66	171.06
			For Class 52 Rating, Deduct	-32.72	
			For Class 54 Rating, Add	22.31	
			For Class 55 Rating, Add	49.59	
40 05 19 00-0561	EA		4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	589.12	173.86
			For Class 52 Rating, Deduct	-35.83	
			For Class 54 Rating, Add	24.43	
			For Class 55 Rating, Add	54.29	
40 05 19 00-0562	EA		4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	621.58	176.65
			For Class 52 Rating, Deduct	-38.93	
			For Class 54 Rating, Add	26.54	
			For Class 55 Rating, Add	59.00	
40 05 19 00-0563	EA		4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	654.05	179.44
			For Class 52 Rating, Deduct	-42.04	
			For Class 54 Rating, Add	28.66	
			For Class 55 Rating, Add	63.71	
40 05 19 00-0564	EA		4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	686.52	182.25
			For Class 52 Rating, Deduct	-45.14	
			For Class 54 Rating, Add	30.78	
			For Class 55 Rating, Add	68.41	
40 05 19 00-0565	EA		4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	718.97	185.04
			For Class 52 Rating, Deduct	-48.25	
			For Class 54 Rating, Add	32.90	
			For Class 55 Rating, Add	73.12	
40 05 19 00-0566	EA		4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	751.43	187.84
			For Class 52 Rating, Deduct	-51.35	
			For Class 54 Rating, Add	35.01	
			For Class 55 Rating, Add	77.82	
40 05 19 00-0567	EA		4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	783.89	190.63
			For Class 52 Rating, Deduct	-54.46	
			For Class 54 Rating, Add	37.13	
			For Class 55 Rating, Add	82.53	
40 05 19 00-0568	EA		4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	816.36	193.42
			For Class 52 Rating, Deduct	-57.56	
			For Class 54 Rating, Add	39.25	
			For Class 55 Rating, Add	87.23	
40 05 19 00-0569	EA		4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	848.83	196.22
			For Class 52 Rating, Deduct	-60.67	
			For Class 54 Rating, Add	41.36	
			For Class 55 Rating, Add	91.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0570	EA		4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	881.28	199.01
			For Class 52 Rating, Deduct	-63.77	
			For Class 54 Rating, Add	43.48	
			For Class 55 Rating, Add	96.64	
40 05 19 00-0571	EA		4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	913.75	201.81
			For Class 52 Rating, Deduct	-66.88	
			For Class 54 Rating, Add	45.60	
			For Class 55 Rating, Add	101.35	
40 05 19 00-0572	EA		4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	946.21	204.60
			For Class 52 Rating, Deduct	-69.98	
			For Class 54 Rating, Add	47.72	
			For Class 55 Rating, Add	106.06	
40 05 19 00-0573	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	978.68	207.39
			For Class 52 Rating, Deduct	-73.09	
			For Class 54 Rating, Add	49.83	
			For Class 55 Rating, Add	110.76	
40 05 19 00-0574	EA		4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,011.13	210.20
			For Class 52 Rating, Deduct	-76.19	
			For Class 54 Rating, Add	51.95	
			For Class 55 Rating, Add	115.47	
40 05 19 00-0575	EA		4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,043.60	212.99
			For Class 52 Rating, Deduct	-79.30	
			For Class 54 Rating, Add	54.07	
			For Class 55 Rating, Add	120.17	
40 05 19 00-0576	EA		4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,076.07	215.79
			For Class 52 Rating, Deduct	-82.40	
			For Class 54 Rating, Add	56.18	
			For Class 55 Rating, Add	124.88	
40 05 19 00-0577	EA		4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,108.52	218.58
			For Class 52 Rating, Deduct	-85.51	
			For Class 54 Rating, Add	58.30	
			For Class 55 Rating, Add	129.58	
40 05 19 00-0578	EA		4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,140.98	221.37
			For Class 52 Rating, Deduct	-88.61	
			For Class 54 Rating, Add	60.42	
			For Class 55 Rating, Add	134.29	
40 05 19 00-0579	EA		4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,173.44	224.17
			For Class 52 Rating, Deduct	-91.72	
			For Class 54 Rating, Add	62.54	
			For Class 55 Rating, Add	138.99	
40 05 19 00-0580	EA		4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,205.91	226.96
			For Class 52 Rating, Deduct	-94.82	
			For Class 54 Rating, Add	64.65	
			For Class 55 Rating, Add	143.70	
40 05 19 00-0581	EA		4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,238.38	229.76
			For Class 52 Rating, Deduct	-97.93	
			For Class 54 Rating, Add	66.77	
			For Class 55 Rating, Add	148.41	
40 05 19 00-0582	EA		4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,270.84	232.55
			For Class 52 Rating, Deduct	-101.03	
			For Class 54 Rating, Add	68.89	
			For Class 55 Rating, Add	153.11	
40 05 19 00-0583	EA		4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,303.30	235.34
			For Class 52 Rating, Deduct	-104.14	
			For Class 54 Rating, Add	71.00	
			For Class 55 Rating, Add	157.82	
40 05 19 00-0584	EA		4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,335.76	238.15
			For Class 52 Rating, Deduct	-107.24	
			For Class 54 Rating, Add	73.12	
			For Class 55 Rating, Add	162.52	
40 05 19 00-0585	EA		4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,368.23	240.94
			For Class 52 Rating, Deduct	-110.35	
			For Class 54 Rating, Add	75.24	
			For Class 55 Rating, Add	167.23	
40 05 19 00-0586	EA		4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,400.70	243.74
			For Class 52 Rating, Deduct	-113.45	
			For Class 54 Rating, Add	77.36	
			For Class 55 Rating, Add	171.93	
40 05 19 00-0587	EA		4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,433.15	246.53
			For Class 52 Rating, Deduct	-116.56	
			For Class 54 Rating, Add	79.47	
			For Class 55 Rating, Add	176.64	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0588	EA		4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,465.62	249.33
			<i>For Class 52 Rating, Deduct</i>	-119.66	
			<i>For Class 54 Rating, Add</i>	81.59	
			<i>For Class 55 Rating, Add</i>	181.34	
40 05 19 00-0589	EA		4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,498.07	252.12
			<i>For Class 52 Rating, Deduct</i>	-122.77	
			<i>For Class 54 Rating, Add</i>	83.71	
			<i>For Class 55 Rating, Add</i>	186.05	
40 05 19 00-0590	EA		4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,530.54	254.91
			<i>For Class 52 Rating, Deduct</i>	-125.87	
			<i>For Class 54 Rating, Add</i>	85.82	
			<i>For Class 55 Rating, Add</i>	190.76	
40 05 19 00-0591	EA		4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,562.99	257.71
			<i>For Class 52 Rating, Deduct</i>	-128.98	
			<i>For Class 54 Rating, Add</i>	87.94	
			<i>For Class 55 Rating, Add</i>	195.46	
40 05 19 00-0592	EA		4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,595.46	260.50
			<i>For Class 52 Rating, Deduct</i>	-132.08	
			<i>For Class 54 Rating, Add</i>	90.06	
			<i>For Class 55 Rating, Add</i>	200.17	
40 05 19 00-0593	EA		4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,627.93	263.31
			<i>For Class 52 Rating, Deduct</i>	-135.19	
			<i>For Class 54 Rating, Add</i>	92.17	
			<i>For Class 55 Rating, Add</i>	204.87	
40 05 19 00-0594	EA		4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,660.39	266.10
			<i>For Class 52 Rating, Deduct</i>	-138.29	
			<i>For Class 54 Rating, Add</i>	94.29	
			<i>For Class 55 Rating, Add</i>	209.58	
<b>40 05 19 00-0595</b>			<b>6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0596	EA		6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	534.00	201.24
			<i>For Class 52 Rating, Deduct</i>	-25.20	
			<i>For Class 54 Rating, Add</i>	17.18	
			<i>For Class 55 Rating, Add</i>	38.19	
40 05 19 00-0597	EA		6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	572.98	204.05
			<i>For Class 52 Rating, Deduct</i>	-29.02	
			<i>For Class 54 Rating, Add</i>	19.79	
			<i>For Class 55 Rating, Add</i>	43.98	
40 05 19 00-0598	EA		6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	611.95	206.84
			<i>For Class 52 Rating, Deduct</i>	-32.84	
			<i>For Class 54 Rating, Add</i>	22.39	
			<i>For Class 55 Rating, Add</i>	49.77	
40 05 19 00-0599	EA		6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	650.93	209.64
			<i>For Class 52 Rating, Deduct</i>	-36.66	
			<i>For Class 54 Rating, Add</i>	25.00	
			<i>For Class 55 Rating, Add</i>	55.56	
40 05 19 00-0600	EA		6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	689.91	212.43
			<i>For Class 52 Rating, Deduct</i>	-40.49	
			<i>For Class 54 Rating, Add</i>	27.60	
			<i>For Class 55 Rating, Add</i>	61.35	
40 05 19 00-0601	EA		6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	728.88	215.22
			<i>For Class 52 Rating, Deduct</i>	-44.31	
			<i>For Class 54 Rating, Add</i>	30.21	
			<i>For Class 55 Rating, Add</i>	67.15	
40 05 19 00-0602	EA		6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	767.86	218.02
			<i>For Class 52 Rating, Deduct</i>	-48.13	
			<i>For Class 54 Rating, Add</i>	32.81	
			<i>For Class 55 Rating, Add</i>	72.94	
40 05 19 00-0603	EA		6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	806.83	220.81
			<i>For Class 52 Rating, Deduct</i>	-51.95	
			<i>For Class 54 Rating, Add</i>	35.42	
			<i>For Class 55 Rating, Add</i>	78.73	
40 05 19 00-0604	EA		6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	845.81	223.61
			<i>For Class 52 Rating, Deduct</i>	-55.77	
			<i>For Class 54 Rating, Add</i>	38.03	
			<i>For Class 55 Rating, Add</i>	84.52	
40 05 19 00-0605	EA		6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	884.78	226.40
			<i>For Class 52 Rating, Deduct</i>	-59.59	
			<i>For Class 54 Rating, Add</i>	40.63	
			<i>For Class 55 Rating, Add</i>	90.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0606	EA		6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	923.77	229.19
			For Class 52 Rating, Deduct	-63.42	
			For Class 54 Rating, Add	43.24	
			For Class 55 Rating, Add	96.10	
40 05 19 00-0607	EA		6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	962.75	232.00
			For Class 52 Rating, Deduct	-67.24	
			For Class 54 Rating, Add	45.84	
			For Class 55 Rating, Add	101.89	
40 05 19 00-0608	EA		6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,001.72	234.79
			For Class 52 Rating, Deduct	-71.06	
			For Class 54 Rating, Add	48.45	
			For Class 55 Rating, Add	107.68	
40 05 19 00-0609	EA		6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,040.70	237.59
			For Class 52 Rating, Deduct	-74.88	
			For Class 54 Rating, Add	51.05	
			For Class 55 Rating, Add	113.48	
40 05 19 00-0610	EA		6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,079.67	240.38
			For Class 52 Rating, Deduct	-78.70	
			For Class 54 Rating, Add	53.66	
			For Class 55 Rating, Add	119.27	
40 05 19 00-0611	EA		6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,118.65	243.17
			For Class 52 Rating, Deduct	-82.52	
			For Class 54 Rating, Add	56.27	
			For Class 55 Rating, Add	125.06	
40 05 19 00-0612	EA		6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,157.63	245.97
			For Class 52 Rating, Deduct	-86.34	
			For Class 54 Rating, Add	58.87	
			For Class 55 Rating, Add	130.85	
40 05 19 00-0613	EA		6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,196.60	248.76
			For Class 52 Rating, Deduct	-90.17	
			For Class 54 Rating, Add	61.48	
			For Class 55 Rating, Add	136.64	
40 05 19 00-0614	EA		6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,235.58	251.56
			For Class 52 Rating, Deduct	-93.99	
			For Class 54 Rating, Add	64.08	
			For Class 55 Rating, Add	142.43	
40 05 19 00-0615	EA		6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,274.55	254.35
			For Class 52 Rating, Deduct	-97.81	
			For Class 54 Rating, Add	66.69	
			For Class 55 Rating, Add	148.22	
40 05 19 00-0616	EA		6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,313.53	257.15
			For Class 52 Rating, Deduct	-101.63	
			For Class 54 Rating, Add	69.29	
			For Class 55 Rating, Add	154.02	
40 05 19 00-0617	EA		6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,352.51	259.95
			For Class 52 Rating, Deduct	-105.45	
			For Class 54 Rating, Add	71.90	
			For Class 55 Rating, Add	159.81	
40 05 19 00-0618	EA		6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,391.49	262.74
			For Class 52 Rating, Deduct	-109.27	
			For Class 54 Rating, Add	74.51	
			For Class 55 Rating, Add	165.60	
40 05 19 00-0619	EA		6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,430.47	265.54
			For Class 52 Rating, Deduct	-113.10	
			For Class 54 Rating, Add	77.11	
			For Class 55 Rating, Add	171.39	
40 05 19 00-0620	EA		6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,469.44	268.33
			For Class 52 Rating, Deduct	-116.92	
			For Class 54 Rating, Add	79.72	
			For Class 55 Rating, Add	177.18	
40 05 19 00-0621	EA		6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,508.42	271.12
			For Class 52 Rating, Deduct	-120.74	
			For Class 54 Rating, Add	82.32	
			For Class 55 Rating, Add	182.97	
40 05 19 00-0622	EA		6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,547.39	273.92
			For Class 52 Rating, Deduct	-124.56	
			For Class 54 Rating, Add	84.93	
			For Class 55 Rating, Add	188.76	
40 05 19 00-0623	EA		6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,586.38	276.71
			For Class 52 Rating, Deduct	-128.38	
			For Class 54 Rating, Add	87.53	
			For Class 55 Rating, Add	194.56	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0624	EA		6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,625.35	279.51
			<i>For Class 52 Rating, Deduct</i>	-132.20	
			<i>For Class 54 Rating, Add</i>	90.14	
			<i>For Class 55 Rating, Add</i>	200.35	
40 05 19 00-0625	EA		6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,664.32	282.30
			<i>For Class 52 Rating, Deduct</i>	-136.02	
			<i>For Class 54 Rating, Add</i>	92.74	
			<i>For Class 55 Rating, Add</i>	206.14	
40 05 19 00-0626	EA		6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,703.30	285.10
			<i>For Class 52 Rating, Deduct</i>	-139.85	
			<i>For Class 54 Rating, Add</i>	95.35	
			<i>For Class 55 Rating, Add</i>	211.93	
40 05 19 00-0627	EA		6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,742.27	287.90
			<i>For Class 52 Rating, Deduct</i>	-143.67	
			<i>For Class 54 Rating, Add</i>	97.96	
			<i>For Class 55 Rating, Add</i>	217.72	
40 05 19 00-0628	EA		6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,781.25	290.69
			<i>For Class 52 Rating, Deduct</i>	-147.49	
			<i>For Class 54 Rating, Add</i>	100.56	
			<i>For Class 55 Rating, Add</i>	223.51	
40 05 19 00-0629	EA		6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,820.24	293.49
			<i>For Class 52 Rating, Deduct</i>	-151.31	
			<i>For Class 54 Rating, Add</i>	103.17	
			<i>For Class 55 Rating, Add</i>	229.31	
40 05 19 00-0630	EA		6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,859.21	296.28
			<i>For Class 52 Rating, Deduct</i>	-155.13	
			<i>For Class 54 Rating, Add</i>	105.77	
			<i>For Class 55 Rating, Add</i>	235.10	
40 05 19 00-0631	EA		6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,898.19	299.08
			<i>For Class 52 Rating, Deduct</i>	-158.95	
			<i>For Class 54 Rating, Add</i>	108.38	
			<i>For Class 55 Rating, Add</i>	240.89	
40 05 19 00-0632	EA		6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,937.16	301.87
			<i>For Class 52 Rating, Deduct</i>	-162.78	
			<i>For Class 54 Rating, Add</i>	110.98	
			<i>For Class 55 Rating, Add</i>	246.68	
40 05 19 00-0633	EA		6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,976.14	304.66
			<i>For Class 52 Rating, Deduct</i>	-166.60	
			<i>For Class 54 Rating, Add</i>	113.59	
			<i>For Class 55 Rating, Add</i>	252.47	
40 05 19 00-0634	EA		6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,015.12	307.46
			<i>For Class 52 Rating, Deduct</i>	-170.42	
			<i>For Class 54 Rating, Add</i>	116.20	
			<i>For Class 55 Rating, Add</i>	258.26	
40 05 19 00-0635			<b>8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0636	EA		8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	724.01	257.15
			<i>For Class 52 Rating, Deduct</i>	-36.78	
			<i>For Class 54 Rating, Add</i>	25.08	
			<i>For Class 55 Rating, Add</i>	55.74	
40 05 19 00-0637	EA		8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	776.01	259.95
			<i>For Class 52 Rating, Deduct</i>	-42.04	
			<i>For Class 54 Rating, Add</i>	28.66	
			<i>For Class 55 Rating, Add</i>	63.71	
40 05 19 00-0638	EA		8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	828.02	262.74
			<i>For Class 52 Rating, Deduct</i>	-47.29	
			<i>For Class 54 Rating, Add</i>	32.24	
			<i>For Class 55 Rating, Add</i>	71.67	
40 05 19 00-0639	EA		8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	880.03	265.54
			<i>For Class 52 Rating, Deduct</i>	-52.55	
			<i>For Class 54 Rating, Add</i>	35.83	
			<i>For Class 55 Rating, Add</i>	79.63	
40 05 19 00-0640	EA		8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	932.03	268.33
			<i>For Class 52 Rating, Deduct</i>	-57.80	
			<i>For Class 54 Rating, Add</i>	39.41	
			<i>For Class 55 Rating, Add</i>	87.60	
40 05 19 00-0641	EA		8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	984.04	271.12
			<i>For Class 52 Rating, Deduct</i>	-63.06	
			<i>For Class 54 Rating, Add</i>	42.99	
			<i>For Class 55 Rating, Add</i>	95.56	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0642	EA		8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,036.04	273.92
			For Class 52 Rating, Deduct	-68.31	
			For Class 54 Rating, Add	46.58	
			For Class 55 Rating, Add	103.52	
40 05 19 00-0643	EA		8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,088.05	276.71
			For Class 52 Rating, Deduct	-73.57	
			For Class 54 Rating, Add	50.16	
			For Class 55 Rating, Add	111.49	
40 05 19 00-0644	EA		8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,140.05	279.51
			For Class 52 Rating, Deduct	-78.82	
			For Class 54 Rating, Add	53.74	
			For Class 55 Rating, Add	119.45	
40 05 19 00-0645	EA		8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,192.05	282.30
			For Class 52 Rating, Deduct	-84.08	
			For Class 54 Rating, Add	57.32	
			For Class 55 Rating, Add	127.41	
40 05 19 00-0646	EA		8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,244.06	285.10
			For Class 52 Rating, Deduct	-89.33	
			For Class 54 Rating, Add	60.91	
			For Class 55 Rating, Add	135.38	
40 05 19 00-0647	EA		8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,296.06	287.90
			For Class 52 Rating, Deduct	-94.58	
			For Class 54 Rating, Add	64.49	
			For Class 55 Rating, Add	143.34	
40 05 19 00-0648	EA		8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,348.07	290.69
			For Class 52 Rating, Deduct	-99.84	
			For Class 54 Rating, Add	68.07	
			For Class 55 Rating, Add	151.30	
40 05 19 00-0649	EA		8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,400.08	293.49
			For Class 52 Rating, Deduct	-105.09	
			For Class 54 Rating, Add	71.66	
			For Class 55 Rating, Add	159.27	
40 05 19 00-0650	EA		8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,452.08	296.28
			For Class 52 Rating, Deduct	-110.35	
			For Class 54 Rating, Add	75.24	
			For Class 55 Rating, Add	167.23	
40 05 19 00-0651	EA		8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,504.09	299.08
			For Class 52 Rating, Deduct	-115.60	
			For Class 54 Rating, Add	78.82	
			For Class 55 Rating, Add	175.19	
40 05 19 00-0652	EA		8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,556.09	301.87
			For Class 52 Rating, Deduct	-120.86	
			For Class 54 Rating, Add	82.40	
			For Class 55 Rating, Add	183.15	
40 05 19 00-0653	EA		8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,608.10	304.66
			For Class 52 Rating, Deduct	-126.11	
			For Class 54 Rating, Add	85.99	
			For Class 55 Rating, Add	191.12	
40 05 19 00-0654	EA		8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,660.10	307.46
			For Class 52 Rating, Deduct	-131.37	
			For Class 54 Rating, Add	89.57	
			For Class 55 Rating, Add	199.08	
40 05 19 00-0655	EA		8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,712.10	310.25
			For Class 52 Rating, Deduct	-136.62	
			For Class 54 Rating, Add	93.15	
			For Class 55 Rating, Add	207.04	
40 05 19 00-0656	EA		8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,764.11	313.06
			For Class 52 Rating, Deduct	-141.88	
			For Class 54 Rating, Add	96.73	
			For Class 55 Rating, Add	215.01	
40 05 19 00-0657	EA		8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,816.11	315.85
			For Class 52 Rating, Deduct	-147.13	
			For Class 54 Rating, Add	100.32	
			For Class 55 Rating, Add	222.97	
40 05 19 00-0658	EA		8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,868.12	318.64
			For Class 52 Rating, Deduct	-152.39	
			For Class 54 Rating, Add	103.90	
			For Class 55 Rating, Add	230.93	
40 05 19 00-0659	EA		8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,920.12	321.44
			For Class 52 Rating, Deduct	-157.64	
			For Class 54 Rating, Add	107.48	
			For Class 55 Rating, Add	238.90	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0660	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,972.13	324.23
		For Class 52 Rating, Deduct	-162.90	
		For Class 54 Rating, Add	111.07	
		For Class 55 Rating, Add	246.86	
40 05 19 00-0661	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,024.14	327.03
		For Class 52 Rating, Deduct	-168.15	
		For Class 54 Rating, Add	114.65	
		For Class 55 Rating, Add	254.82	
40 05 19 00-0662	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,076.14	329.82
		For Class 52 Rating, Deduct	-173.41	
		For Class 54 Rating, Add	118.23	
		For Class 55 Rating, Add	262.79	
40 05 19 00-0663	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,128.15	332.61
		For Class 52 Rating, Deduct	-178.66	
		For Class 54 Rating, Add	121.81	
		For Class 55 Rating, Add	270.75	
40 05 19 00-0664	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,180.15	335.41
		For Class 52 Rating, Deduct	-183.91	
		For Class 54 Rating, Add	125.40	
		For Class 55 Rating, Add	278.71	
40 05 19 00-0665	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,232.16	338.20
		For Class 52 Rating, Deduct	-189.17	
		For Class 54 Rating, Add	128.98	
		For Class 55 Rating, Add	286.68	
40 05 19 00-0666	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,284.16	341.01
		For Class 52 Rating, Deduct	-194.42	
		For Class 54 Rating, Add	132.56	
		For Class 55 Rating, Add	294.64	
40 05 19 00-0667	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,336.16	343.80
		For Class 52 Rating, Deduct	-199.68	
		For Class 54 Rating, Add	136.14	
		For Class 55 Rating, Add	302.60	
40 05 19 00-0668	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,388.17	346.59
		For Class 52 Rating, Deduct	-204.93	
		For Class 54 Rating, Add	139.73	
		For Class 55 Rating, Add	310.57	
40 05 19 00-0669	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,440.17	349.39
		For Class 52 Rating, Deduct	-210.19	
		For Class 54 Rating, Add	143.31	
		For Class 55 Rating, Add	318.53	
40 05 19 00-0670	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,492.18	352.18
		For Class 52 Rating, Deduct	-215.44	
		For Class 54 Rating, Add	146.89	
		For Class 55 Rating, Add	326.49	
40 05 19 00-0671	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,544.18	354.98
		For Class 52 Rating, Deduct	-220.70	
		For Class 54 Rating, Add	150.48	
		For Class 55 Rating, Add	334.46	
40 05 19 00-0672	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,596.19	357.77
		For Class 52 Rating, Deduct	-225.95	
		For Class 54 Rating, Add	154.06	
		For Class 55 Rating, Add	342.42	
40 05 19 00-0673	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,648.20	360.56
		For Class 52 Rating, Deduct	-231.21	
		For Class 54 Rating, Add	157.64	
		For Class 55 Rating, Add	350.38	
40 05 19 00-0674	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,700.20	363.36
		For Class 52 Rating, Deduct	-236.46	
		For Class 54 Rating, Add	161.22	
		For Class 55 Rating, Add	358.35	
40 05 19 00-0675		<b>10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0676	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	902.08	313.06
		For Class 52 Rating, Deduct	-47.05	
		For Class 54 Rating, Add	32.08	
		For Class 55 Rating, Add	71.31	
40 05 19 00-0677	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	969.28	315.85
		For Class 52 Rating, Deduct	-53.98	
		For Class 54 Rating, Add	36.80	
		For Class 55 Rating, Add	81.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0678	EA		10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,036.49	318.64
			For Class 52 Rating, Deduct	-60.91	
			For Class 54 Rating, Add	41.53	
			For Class 55 Rating, Add	92.30	
40 05 19 00-0679	EA		10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,103.69	321.44
			For Class 52 Rating, Deduct	-67.83	
			For Class 54 Rating, Add	46.25	
			For Class 55 Rating, Add	102.80	
40 05 19 00-0680	EA		10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,170.90	324.23
			For Class 52 Rating, Deduct	-74.76	
			For Class 54 Rating, Add	50.97	
			For Class 55 Rating, Add	113.30	
40 05 19 00-0681	EA		10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,238.11	327.03
			For Class 52 Rating, Deduct	-81.69	
			For Class 54 Rating, Add	55.70	
			For Class 55 Rating, Add	123.79	
40 05 19 00-0682	EA		10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,305.30	329.82
			For Class 52 Rating, Deduct	-88.61	
			For Class 54 Rating, Add	60.42	
			For Class 55 Rating, Add	134.29	
40 05 19 00-0683	EA		10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,372.51	332.61
			For Class 52 Rating, Deduct	-95.54	
			For Class 54 Rating, Add	65.14	
			For Class 55 Rating, Add	144.79	
40 05 19 00-0684	EA		10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,439.71	335.41
			For Class 52 Rating, Deduct	-102.47	
			For Class 54 Rating, Add	69.86	
			For Class 55 Rating, Add	155.28	
40 05 19 00-0685	EA		10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,506.92	338.20
			For Class 52 Rating, Deduct	-109.39	
			For Class 54 Rating, Add	74.59	
			For Class 55 Rating, Add	165.78	
40 05 19 00-0686	EA		10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,574.12	341.01
			For Class 52 Rating, Deduct	-116.32	
			For Class 54 Rating, Add	79.31	
			For Class 55 Rating, Add	176.28	
40 05 19 00-0687	EA		10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,641.32	343.80
			For Class 52 Rating, Deduct	-123.25	
			For Class 54 Rating, Add	84.03	
			For Class 55 Rating, Add	186.77	
40 05 19 00-0688	EA		10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,708.53	346.59
			For Class 52 Rating, Deduct	-130.17	
			For Class 54 Rating, Add	88.75	
			For Class 55 Rating, Add	197.27	
40 05 19 00-0689	EA		10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,775.73	349.39
			For Class 52 Rating, Deduct	-137.10	
			For Class 54 Rating, Add	93.48	
			For Class 55 Rating, Add	207.77	
40 05 19 00-0690	EA		10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,842.94	352.18
			For Class 52 Rating, Deduct	-144.03	
			For Class 54 Rating, Add	98.20	
			For Class 55 Rating, Add	218.27	
40 05 19 00-0691	EA		10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,910.14	354.98
			For Class 52 Rating, Deduct	-150.95	
			For Class 54 Rating, Add	102.92	
			For Class 55 Rating, Add	228.76	
40 05 19 00-0692	EA		10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,977.35	357.77
			For Class 52 Rating, Deduct	-157.88	
			For Class 54 Rating, Add	107.65	
			For Class 55 Rating, Add	239.26	
40 05 19 00-0693	EA		10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,044.56	360.56
			For Class 52 Rating, Deduct	-164.81	
			For Class 54 Rating, Add	112.37	
			For Class 55 Rating, Add	249.76	
40 05 19 00-0694	EA		10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,111.76	363.36
			For Class 52 Rating, Deduct	-171.73	
			For Class 54 Rating, Add	117.09	
			For Class 55 Rating, Add	260.25	
40 05 19 00-0695	EA		10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,178.97	366.16
			For Class 52 Rating, Deduct	-178.66	
			For Class 54 Rating, Add	121.81	
			For Class 55 Rating, Add	270.75	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0696	EA		10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,246.17	368.96
			For Class 52 Rating, Deduct	-185.59	
			For Class 54 Rating, Add	126.54	
			For Class 55 Rating, Add	281.25	
40 05 19 00-0697	EA		10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,313.38	371.75
			For Class 52 Rating, Deduct	-192.51	
			For Class 54 Rating, Add	131.26	
			For Class 55 Rating, Add	291.75	
40 05 19 00-0698	EA		10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,380.58	374.54
			For Class 52 Rating, Deduct	-199.44	
			For Class 54 Rating, Add	135.98	
			For Class 55 Rating, Add	302.24	
40 05 19 00-0699	EA		10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,447.78	377.34
			For Class 52 Rating, Deduct	-206.37	
			For Class 54 Rating, Add	140.70	
			For Class 55 Rating, Add	312.74	
40 05 19 00-0700	EA		10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,514.98	380.13
			For Class 52 Rating, Deduct	-213.29	
			For Class 54 Rating, Add	145.43	
			For Class 55 Rating, Add	323.23	
40 05 19 00-0701	EA		10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,582.18	382.93
			For Class 52 Rating, Deduct	-220.22	
			For Class 54 Rating, Add	150.15	
			For Class 55 Rating, Add	333.73	
40 05 19 00-0702	EA		10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,649.39	385.72
			For Class 52 Rating, Deduct	-227.15	
			For Class 54 Rating, Add	154.87	
			For Class 55 Rating, Add	344.23	
40 05 19 00-0703	EA		10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,716.59	388.52
			For Class 52 Rating, Deduct	-234.07	
			For Class 54 Rating, Add	159.59	
			For Class 55 Rating, Add	354.73	
40 05 19 00-0704	EA		10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,783.80	391.31
			For Class 52 Rating, Deduct	-241.00	
			For Class 54 Rating, Add	164.32	
			For Class 55 Rating, Add	365.22	
40 05 19 00-0705	EA		10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,851.01	394.11
			For Class 52 Rating, Deduct	-247.93	
			For Class 54 Rating, Add	169.04	
			For Class 55 Rating, Add	375.72	
40 05 19 00-0706	EA		10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,918.21	396.91
			For Class 52 Rating, Deduct	-254.85	
			For Class 54 Rating, Add	173.76	
			For Class 55 Rating, Add	386.22	
40 05 19 00-0707	EA		10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,985.42	399.70
			For Class 52 Rating, Deduct	-261.78	
			For Class 54 Rating, Add	178.49	
			For Class 55 Rating, Add	396.71	
40 05 19 00-0708	EA		10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,052.62	402.50
			For Class 52 Rating, Deduct	-268.71	
			For Class 54 Rating, Add	183.21	
			For Class 55 Rating, Add	407.21	
40 05 19 00-0709	EA		10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,119.83	405.29
			For Class 52 Rating, Deduct	-275.63	
			For Class 54 Rating, Add	187.93	
			For Class 55 Rating, Add	417.71	
40 05 19 00-0710	EA		10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,187.03	408.08
			For Class 52 Rating, Deduct	-282.56	
			For Class 54 Rating, Add	192.65	
			For Class 55 Rating, Add	428.21	
40 05 19 00-0711	EA		10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,254.23	410.88
			For Class 52 Rating, Deduct	-289.49	
			For Class 54 Rating, Add	197.38	
			For Class 55 Rating, Add	438.70	
40 05 19 00-0712	EA		10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,321.44	413.67
			For Class 52 Rating, Deduct	-296.41	
			For Class 54 Rating, Add	202.10	
			For Class 55 Rating, Add	449.20	
40 05 19 00-0713	EA		10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,388.64	416.47
			For Class 52 Rating, Deduct	-303.34	
			For Class 54 Rating, Add	206.82	
			For Class 55 Rating, Add	459.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0714	EA		10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,455.85	419.27
			For Class 52 Rating, Deduct	-310.27	
			For Class 54 Rating, Add	211.55	
			For Class 55 Rating, Add	470.19	
<b>40 05 19 00-0715</b>			<b>12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)</b>		
40 05 19 00-0716	EA		12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,159.62	391.31
			For Class 52 Rating, Deduct	-62.34	
			For Class 54 Rating, Add	42.50	
			For Class 55 Rating, Add	94.47	
40 05 19 00-0717	EA		12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,243.12	394.11
			For Class 52 Rating, Deduct	-71.06	
			For Class 54 Rating, Add	48.45	
			For Class 55 Rating, Add	107.68	
40 05 19 00-0718	EA		12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,326.60	396.91
			For Class 52 Rating, Deduct	-79.78	
			For Class 54 Rating, Add	54.39	
			For Class 55 Rating, Add	120.90	
40 05 19 00-0719	EA		12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,410.10	399.70
			For Class 52 Rating, Deduct	-88.49	
			For Class 54 Rating, Add	60.34	
			For Class 55 Rating, Add	134.11	
40 05 19 00-0720	EA		12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,493.58	402.50
			For Class 52 Rating, Deduct	-97.21	
			For Class 54 Rating, Add	66.28	
			For Class 55 Rating, Add	147.32	
40 05 19 00-0721	EA		12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,577.08	405.29
			For Class 52 Rating, Deduct	-105.93	
			For Class 54 Rating, Add	72.23	
			For Class 55 Rating, Add	160.53	
40 05 19 00-0722	EA		12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,660.56	408.08
			For Class 52 Rating, Deduct	-114.65	
			For Class 54 Rating, Add	78.17	
			For Class 55 Rating, Add	173.74	
40 05 19 00-0723	EA		12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,744.05	410.88
			For Class 52 Rating, Deduct	-123.37	
			For Class 54 Rating, Add	84.11	
			For Class 55 Rating, Add	186.96	
40 05 19 00-0724	EA		12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,827.54	413.67
			For Class 52 Rating, Deduct	-132.08	
			For Class 54 Rating, Add	90.06	
			For Class 55 Rating, Add	200.17	
40 05 19 00-0725	EA		12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,911.03	416.47
			For Class 52 Rating, Deduct	-140.80	
			For Class 54 Rating, Add	96.00	
			For Class 55 Rating, Add	213.38	
40 05 19 00-0726	EA		12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,994.52	419.27
			For Class 52 Rating, Deduct	-149.52	
			For Class 54 Rating, Add	101.95	
			For Class 55 Rating, Add	226.59	
40 05 19 00-0727	EA		12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,078.01	422.06
			For Class 52 Rating, Deduct	-158.24	
			For Class 54 Rating, Add	107.89	
			For Class 55 Rating, Add	239.80	
40 05 19 00-0728	EA		12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,161.50	424.86
			For Class 52 Rating, Deduct	-166.96	
			For Class 54 Rating, Add	113.83	
			For Class 55 Rating, Add	253.01	
40 05 19 00-0729	EA		12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,245.00	427.65
			For Class 52 Rating, Deduct	-175.67	
			For Class 54 Rating, Add	119.78	
			For Class 55 Rating, Add	266.23	
40 05 19 00-0730	EA		12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,328.48	430.45
			For Class 52 Rating, Deduct	-184.39	
			For Class 54 Rating, Add	125.72	
			For Class 55 Rating, Add	279.44	
40 05 19 00-0731	EA		12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,411.97	433.24
			For Class 52 Rating, Deduct	-193.11	
			For Class 54 Rating, Add	131.67	
			For Class 55 Rating, Add	292.65	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0732	EA		12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,495.46	436.03
			For Class 52 Rating, Deduct	-201.83	
			For Class 54 Rating, Add	137.61	
			For Class 55 Rating, Add	305.86	
40 05 19 00-0733	EA		12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,578.95	438.83
			For Class 52 Rating, Deduct	-210.55	
			For Class 54 Rating, Add	143.55	
			For Class 55 Rating, Add	319.07	
40 05 19 00-0734	EA		12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,662.44	441.62
			For Class 52 Rating, Deduct	-219.26	
			For Class 54 Rating, Add	149.50	
			For Class 55 Rating, Add	332.28	
40 05 19 00-0735	EA		12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,745.92	444.42
			For Class 52 Rating, Deduct	-227.98	
			For Class 54 Rating, Add	155.44	
			For Class 55 Rating, Add	345.50	
40 05 19 00-0736	EA		12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,829.42	447.22
			For Class 52 Rating, Deduct	-236.70	
			For Class 54 Rating, Add	161.39	
			For Class 55 Rating, Add	358.71	
40 05 19 00-0737	EA		12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,912.90	450.01
			For Class 52 Rating, Deduct	-245.42	
			For Class 54 Rating, Add	167.33	
			For Class 55 Rating, Add	371.92	
40 05 19 00-0738	EA		12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,996.40	452.81
			For Class 52 Rating, Deduct	-254.14	
			For Class 54 Rating, Add	173.27	
			For Class 55 Rating, Add	385.13	
40 05 19 00-0739	EA		12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,079.89	455.60
			For Class 52 Rating, Deduct	-262.85	
			For Class 54 Rating, Add	179.22	
			For Class 55 Rating, Add	398.34	
40 05 19 00-0740	EA		12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,163.38	458.40
			For Class 52 Rating, Deduct	-271.57	
			For Class 54 Rating, Add	185.16	
			For Class 55 Rating, Add	411.56	
40 05 19 00-0741	EA		12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,246.87	461.19
			For Class 52 Rating, Deduct	-280.29	
			For Class 54 Rating, Add	191.11	
			For Class 55 Rating, Add	424.77	
40 05 19 00-0742	EA		12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,330.36	463.99
			For Class 52 Rating, Deduct	-289.01	
			For Class 54 Rating, Add	197.05	
			For Class 55 Rating, Add	437.98	
40 05 19 00-0743	EA		12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,413.85	466.78
			For Class 52 Rating, Deduct	-297.73	
			For Class 54 Rating, Add	203.00	
			For Class 55 Rating, Add	451.19	
40 05 19 00-0744	EA		12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,497.33	469.57
			For Class 52 Rating, Deduct	-306.44	
			For Class 54 Rating, Add	208.94	
			For Class 55 Rating, Add	464.40	
40 05 19 00-0745	EA		12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,580.82	472.37
			For Class 52 Rating, Deduct	-315.16	
			For Class 54 Rating, Add	214.88	
			For Class 55 Rating, Add	477.61	
40 05 19 00-0746	EA		12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,664.31	475.17
			For Class 52 Rating, Deduct	-323.88	
			For Class 54 Rating, Add	220.83	
			For Class 55 Rating, Add	490.82	
40 05 19 00-0747	EA		12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,747.80	477.97
			For Class 52 Rating, Deduct	-332.60	
			For Class 54 Rating, Add	226.77	
			For Class 55 Rating, Add	504.04	
40 05 19 00-0748	EA		12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,831.29	480.76
			For Class 52 Rating, Deduct	-341.32	
			For Class 54 Rating, Add	232.72	
			For Class 55 Rating, Add	517.25	
40 05 19 00-0749	EA		12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,914.78	483.55
			For Class 52 Rating, Deduct	-350.03	
			For Class 54 Rating, Add	238.66	
			For Class 55 Rating, Add	530.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0750	EA		12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,998.27	486.35
			For Class 52 Rating, Deduct	-358.75	
			For Class 54 Rating, Add	244.60	
			For Class 55 Rating, Add	543.67	
40 05 19 00-0751	EA		12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,081.77	489.14
			For Class 52 Rating, Deduct	-367.47	
			For Class 54 Rating, Add	250.55	
			For Class 55 Rating, Add	556.88	
40 05 19 00-0752	EA		12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,165.25	491.94
			For Class 52 Rating, Deduct	-376.19	
			For Class 54 Rating, Add	256.49	
			For Class 55 Rating, Add	570.10	
40 05 19 00-0753	EA		12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,248.75	494.73
			For Class 52 Rating, Deduct	-384.91	
			For Class 54 Rating, Add	262.44	
			For Class 55 Rating, Add	583.31	
40 05 19 00-0754	EA		12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,332.23	497.52
			For Class 52 Rating, Deduct	-393.62	
			For Class 54 Rating, Add	268.38	
			For Class 55 Rating, Add	596.52	
<b>40 05 19 00-0755</b>			<b>14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)</b>		
40 05 19 00-0756	EA		14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,558.31	469.57
			For Class 52 Rating, Deduct	-93.15	
			For Class 54 Rating, Add	63.51	
			For Class 55 Rating, Add	141.17	
40 05 19 00-0757	EA		14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,659.17	472.37
			For Class 52 Rating, Deduct	-103.78	
			For Class 54 Rating, Add	70.76	
			For Class 55 Rating, Add	157.27	
40 05 19 00-0758	EA		14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,760.03	475.17
			For Class 52 Rating, Deduct	-114.41	
			For Class 54 Rating, Add	78.01	
			For Class 55 Rating, Add	173.38	
40 05 19 00-0759	EA		14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,860.89	477.97
			For Class 52 Rating, Deduct	-125.04	
			For Class 54 Rating, Add	85.25	
			For Class 55 Rating, Add	189.49	
40 05 19 00-0760	EA		14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,961.75	480.76
			For Class 52 Rating, Deduct	-135.67	
			For Class 54 Rating, Add	92.50	
			For Class 55 Rating, Add	205.60	
40 05 19 00-0761	EA		14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,062.61	483.55
			For Class 52 Rating, Deduct	-146.30	
			For Class 54 Rating, Add	99.75	
			For Class 55 Rating, Add	221.70	
40 05 19 00-0762	EA		14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,163.47	486.35
			For Class 52 Rating, Deduct	-156.92	
			For Class 54 Rating, Add	106.99	
			For Class 55 Rating, Add	237.81	
40 05 19 00-0763	EA		14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,264.34	489.14
			For Class 52 Rating, Deduct	-167.55	
			For Class 54 Rating, Add	114.24	
			For Class 55 Rating, Add	253.92	
40 05 19 00-0764	EA		14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,365.19	491.94
			For Class 52 Rating, Deduct	-178.18	
			For Class 54 Rating, Add	121.49	
			For Class 55 Rating, Add	270.03	
40 05 19 00-0765	EA		14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,466.06	494.73
			For Class 52 Rating, Deduct	-188.81	
			For Class 54 Rating, Add	128.73	
			For Class 55 Rating, Add	286.13	
40 05 19 00-0766	EA		14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,566.92	497.52
			For Class 52 Rating, Deduct	-199.44	
			For Class 54 Rating, Add	135.98	
			For Class 55 Rating, Add	302.24	
40 05 19 00-0767	EA		14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,667.78	500.32
			For Class 52 Rating, Deduct	-210.07	
			For Class 54 Rating, Add	143.23	
			For Class 55 Rating, Add	318.35	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0768	EA		14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,768.64	503.12
			For Class 52 Rating, Deduct	-220.70	
			For Class 54 Rating, Add	150.48	
			For Class 55 Rating, Add	334.46	
40 05 19 00-0769	EA		14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,869.49	505.92
			For Class 52 Rating, Deduct	-231.33	
			For Class 54 Rating, Add	157.72	
			For Class 55 Rating, Add	350.56	
40 05 19 00-0770	EA		14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,970.36	508.71
			For Class 52 Rating, Deduct	-241.95	
			For Class 54 Rating, Add	164.97	
			For Class 55 Rating, Add	366.67	
40 05 19 00-0771	EA		14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,071.21	511.50
			For Class 52 Rating, Deduct	-252.58	
			For Class 54 Rating, Add	172.22	
			For Class 55 Rating, Add	382.78	
40 05 19 00-0772	EA		14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,172.08	514.30
			For Class 52 Rating, Deduct	-263.21	
			For Class 54 Rating, Add	179.46	
			For Class 55 Rating, Add	398.89	
40 05 19 00-0773	EA		14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,272.93	517.09
			For Class 52 Rating, Deduct	-273.84	
			For Class 54 Rating, Add	186.71	
			For Class 55 Rating, Add	414.99	
40 05 19 00-0774	EA		14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,373.80	519.89
			For Class 52 Rating, Deduct	-284.47	
			For Class 54 Rating, Add	193.96	
			For Class 55 Rating, Add	431.10	
40 05 19 00-0775	EA		14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,474.67	522.68
			For Class 52 Rating, Deduct	-295.10	
			For Class 54 Rating, Add	201.20	
			For Class 55 Rating, Add	447.21	
40 05 19 00-0776	EA		14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,575.52	525.47
			For Class 52 Rating, Deduct	-305.73	
			For Class 54 Rating, Add	208.45	
			For Class 55 Rating, Add	463.32	
40 05 19 00-0777	EA		14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,676.39	528.28
			For Class 52 Rating, Deduct	-316.36	
			For Class 54 Rating, Add	215.70	
			For Class 55 Rating, Add	479.42	
40 05 19 00-0778	EA		14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,777.24	531.07
			For Class 52 Rating, Deduct	-326.98	
			For Class 54 Rating, Add	222.94	
			For Class 55 Rating, Add	495.53	
40 05 19 00-0779	EA		14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,878.11	533.87
			For Class 52 Rating, Deduct	-337.61	
			For Class 54 Rating, Add	230.19	
			For Class 55 Rating, Add	511.64	
40 05 19 00-0780	EA		14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,978.96	536.66
			For Class 52 Rating, Deduct	-348.24	
			For Class 54 Rating, Add	237.44	
			For Class 55 Rating, Add	527.75	
40 05 19 00-0781	EA		14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,079.82	539.46
			For Class 52 Rating, Deduct	-358.87	
			For Class 54 Rating, Add	244.69	
			For Class 55 Rating, Add	543.85	
40 05 19 00-0782	EA		14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,180.68	542.25
			For Class 52 Rating, Deduct	-369.50	
			For Class 54 Rating, Add	251.93	
			For Class 55 Rating, Add	559.96	
40 05 19 00-0783	EA		14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,281.54	545.04
			For Class 52 Rating, Deduct	-380.13	
			For Class 54 Rating, Add	259.18	
			For Class 55 Rating, Add	576.07	
40 05 19 00-0784	EA		14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,382.40	547.84
			For Class 52 Rating, Deduct	-390.76	
			For Class 54 Rating, Add	266.43	
			For Class 55 Rating, Add	592.18	
40 05 19 00-0785	EA		14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,483.26	550.63
			For Class 52 Rating, Deduct	-401.39	
			For Class 54 Rating, Add	273.67	
			For Class 55 Rating, Add	608.28	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0786	EA		14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,584.13	553.43
			For Class 52 Rating, Deduct	-412.02	
			For Class 54 Rating, Add	280.92	
			For Class 55 Rating, Add	624.39	
40 05 19 00-0787	EA		14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,684.99	556.23
			For Class 52 Rating, Deduct	-422.64	
			For Class 54 Rating, Add	288.17	
			For Class 55 Rating, Add	640.50	
40 05 19 00-0788	EA		14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,785.85	559.02
			For Class 52 Rating, Deduct	-433.27	
			For Class 54 Rating, Add	295.41	
			For Class 55 Rating, Add	656.61	
40 05 19 00-0789	EA		14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,886.71	561.82
			For Class 52 Rating, Deduct	-443.90	
			For Class 54 Rating, Add	302.66	
			For Class 55 Rating, Add	672.71	
40 05 19 00-0790	EA		14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,987.57	564.61
			For Class 52 Rating, Deduct	-454.53	
			For Class 54 Rating, Add	309.91	
			For Class 55 Rating, Add	688.82	
40 05 19 00-0791	EA		14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,088.43	567.41
			For Class 52 Rating, Deduct	-465.16	
			For Class 54 Rating, Add	317.15	
			For Class 55 Rating, Add	704.93	
40 05 19 00-0792	EA		14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,189.29	570.20
			For Class 52 Rating, Deduct	-475.79	
			For Class 54 Rating, Add	324.40	
			For Class 55 Rating, Add	721.04	
40 05 19 00-0793	EA		14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,290.14	572.99
			For Class 52 Rating, Deduct	-486.42	
			For Class 54 Rating, Add	331.65	
			For Class 55 Rating, Add	737.14	
<b>40 05 19 00-0794</b>			<b>16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0795	EA		16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,815.20	536.66
			For Class 52 Rating, Deduct	-110.23	
			For Class 54 Rating, Add	75.16	
			For Class 55 Rating, Add	167.05	
40 05 19 00-0796	EA		16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,932.34	539.46
			For Class 52 Rating, Deduct	-122.65	
			For Class 54 Rating, Add	83.62	
			For Class 55 Rating, Add	185.87	
40 05 19 00-0797	EA		16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,049.49	542.25
			For Class 52 Rating, Deduct	-135.07	
			For Class 54 Rating, Add	92.09	
			For Class 55 Rating, Add	204.69	
40 05 19 00-0798	EA		16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,166.63	545.04
			For Class 52 Rating, Deduct	-147.49	
			For Class 54 Rating, Add	100.56	
			For Class 55 Rating, Add	223.51	
40 05 19 00-0799	EA		16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,283.79	547.84
			For Class 52 Rating, Deduct	-159.91	
			For Class 54 Rating, Add	109.03	
			For Class 55 Rating, Add	242.34	
40 05 19 00-0800	EA		16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,400.93	550.63
			For Class 52 Rating, Deduct	-172.33	
			For Class 54 Rating, Add	117.50	
			For Class 55 Rating, Add	261.16	
40 05 19 00-0801	EA		16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,518.08	553.43
			For Class 52 Rating, Deduct	-184.75	
			For Class 54 Rating, Add	125.97	
			For Class 55 Rating, Add	279.98	
40 05 19 00-0802	EA		16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,635.23	556.23
			For Class 52 Rating, Deduct	-197.17	
			For Class 54 Rating, Add	134.43	
			For Class 55 Rating, Add	298.80	
40 05 19 00-0803	EA		16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,752.37	559.02
			For Class 52 Rating, Deduct	-209.59	
			For Class 54 Rating, Add	142.90	
			For Class 55 Rating, Add	317.63	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0804	EA		16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,858.66	561.82
			For Class 52 Rating, Deduct	-220.82	
			For Class 54 Rating, Add	150.56	
			For Class 55 Rating, Add	334.64	
40 05 19 00-0805	EA		16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,986.66	564.61
			For Class 52 Rating, Deduct	-234.43	
			For Class 54 Rating, Add	159.84	
			For Class 55 Rating, Add	355.27	
40 05 19 00-0806	EA		16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,103.81	567.41
			For Class 52 Rating, Deduct	-246.85	
			For Class 54 Rating, Add	168.31	
			For Class 55 Rating, Add	374.09	
40 05 19 00-0807	EA		16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,220.95	570.20
			For Class 52 Rating, Deduct	-259.27	
			For Class 54 Rating, Add	176.78	
			For Class 55 Rating, Add	392.91	
40 05 19 00-0808	EA		16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,338.09	572.99
			For Class 52 Rating, Deduct	-271.69	
			For Class 54 Rating, Add	185.24	
			For Class 55 Rating, Add	411.74	
40 05 19 00-0809	EA		16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,455.24	575.79
			For Class 52 Rating, Deduct	-284.11	
			For Class 54 Rating, Add	193.71	
			For Class 55 Rating, Add	430.56	
40 05 19 00-0810	EA		16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,572.38	578.58
			For Class 52 Rating, Deduct	-296.53	
			For Class 54 Rating, Add	202.18	
			For Class 55 Rating, Add	449.38	
40 05 19 00-0811	EA		16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,689.53	581.38
			For Class 52 Rating, Deduct	-308.95	
			For Class 54 Rating, Add	210.65	
			For Class 55 Rating, Add	468.20	
40 05 19 00-0812	EA		16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,806.67	584.18
			For Class 52 Rating, Deduct	-321.37	
			For Class 54 Rating, Add	219.12	
			For Class 55 Rating, Add	487.02	
40 05 19 00-0813	EA		16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,923.83	586.97
			For Class 52 Rating, Deduct	-333.79	
			For Class 54 Rating, Add	227.59	
			For Class 55 Rating, Add	505.85	
40 05 19 00-0814	EA		16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,040.98	589.77
			For Class 52 Rating, Deduct	-346.21	
			For Class 54 Rating, Add	236.05	
			For Class 55 Rating, Add	524.67	
40 05 19 00-0815	EA		16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,158.12	592.56
			For Class 52 Rating, Deduct	-358.63	
			For Class 54 Rating, Add	244.52	
			For Class 55 Rating, Add	543.49	
40 05 19 00-0816	EA		16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,275.27	595.36
			For Class 52 Rating, Deduct	-371.05	
			For Class 54 Rating, Add	252.99	
			For Class 55 Rating, Add	562.31	
40 05 19 00-0817	EA		16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,392.41	598.15
			For Class 52 Rating, Deduct	-383.47	
			For Class 54 Rating, Add	261.46	
			For Class 55 Rating, Add	581.14	
40 05 19 00-0818	EA		16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,509.56	600.94
			For Class 52 Rating, Deduct	-395.89	
			For Class 54 Rating, Add	269.93	
			For Class 55 Rating, Add	599.96	
40 05 19 00-0819	EA		16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,626.70	603.74
			For Class 52 Rating, Deduct	-408.31	
			For Class 54 Rating, Add	278.40	
			For Class 55 Rating, Add	618.78	
40 05 19 00-0820	EA		16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,743.84	606.53
			For Class 52 Rating, Deduct	-420.73	
			For Class 54 Rating, Add	286.86	
			For Class 55 Rating, Add	637.60	
40 05 19 00-0821	EA		16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,860.99	609.34
			For Class 52 Rating, Deduct	-433.15	
			For Class 54 Rating, Add	295.33	
			For Class 55 Rating, Add	656.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0822	EA		16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,978.13	612.13
			For Class 52 Rating, Deduct	-445.57	
			For Class 54 Rating, Add	303.80	
			For Class 55 Rating, Add	675.25	
40 05 19 00-0823	EA		16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,095.28	614.92
			For Class 52 Rating, Deduct	-457.99	
			For Class 54 Rating, Add	312.27	
			For Class 55 Rating, Add	694.07	
40 05 19 00-0824	EA		16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,212.42	617.72
			For Class 52 Rating, Deduct	-470.41	
			For Class 54 Rating, Add	320.74	
			For Class 55 Rating, Add	712.89	
40 05 19 00-0825	EA		16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,329.57	620.51
			For Class 52 Rating, Deduct	-482.83	
			For Class 54 Rating, Add	329.21	
			For Class 55 Rating, Add	731.71	
40 05 19 00-0826	EA		16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,446.73	623.31
			For Class 52 Rating, Deduct	-495.26	
			For Class 54 Rating, Add	337.67	
			For Class 55 Rating, Add	750.54	
40 05 19 00-0827	EA		16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,563.87	626.10
			For Class 52 Rating, Deduct	-507.68	
			For Class 54 Rating, Add	346.14	
			For Class 55 Rating, Add	769.36	
40 05 19 00-0828	EA		16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,681.02	628.90
			For Class 52 Rating, Deduct	-520.10	
			For Class 54 Rating, Add	354.61	
			For Class 55 Rating, Add	788.18	
40 05 19 00-0829	EA		16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,798.16	631.69
			For Class 52 Rating, Deduct	-532.52	
			For Class 54 Rating, Add	363.08	
			For Class 55 Rating, Add	807.00	
40 05 19 00-0830	EA		16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,915.31	634.48
			For Class 52 Rating, Deduct	-544.94	
			For Class 54 Rating, Add	371.55	
			For Class 55 Rating, Add	825.83	
40 05 19 00-0831	EA		16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,032.45	637.29
			For Class 52 Rating, Deduct	-557.36	
			For Class 54 Rating, Add	380.02	
			For Class 55 Rating, Add	844.65	
40 05 19 00-0832	EA		16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,149.59	640.08
			For Class 52 Rating, Deduct	-569.78	
			For Class 54 Rating, Add	388.48	
			For Class 55 Rating, Add	863.47	
<b>40 05 19 00-0833</b>			<b>18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small></b>		
40 05 19 00-0834	EA		18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,105.28	604.86
			For Class 52 Rating, Deduct	-130.77	
			For Class 54 Rating, Add	89.16	
			For Class 55 Rating, Add	198.18	
40 05 19 00-0835	EA		18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,239.79	607.66
			For Class 52 Rating, Deduct	-145.10	
			For Class 54 Rating, Add	98.93	
			For Class 55 Rating, Add	219.89	
40 05 19 00-0836	EA		18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,374.31	610.45
			For Class 52 Rating, Deduct	-159.43	
			For Class 54 Rating, Add	108.70	
			For Class 55 Rating, Add	241.61	
40 05 19 00-0837	EA		18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,508.82	613.25
			For Class 52 Rating, Deduct	-173.76	
			For Class 54 Rating, Add	118.47	
			For Class 55 Rating, Add	263.33	
40 05 19 00-0838	EA		18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,643.34	616.04
			For Class 52 Rating, Deduct	-188.09	
			For Class 54 Rating, Add	128.25	
			For Class 55 Rating, Add	285.05	
40 05 19 00-0839	EA		18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,777.86	618.84
			For Class 52 Rating, Deduct	-202.43	
			For Class 54 Rating, Add	138.02	
			For Class 55 Rating, Add	306.77	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0840	EA		18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,912.37	621.64
			For Class 52 Rating, Deduct	-216.76	
			For Class 54 Rating, Add	147.79	
			For Class 55 Rating, Add	328.48	
40 05 19 00-0841	EA		18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,046.89	624.43
			For Class 52 Rating, Deduct	-231.09	
			For Class 54 Rating, Add	157.56	
			For Class 55 Rating, Add	350.20	
40 05 19 00-0842	EA		18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,181.40	627.23
			For Class 52 Rating, Deduct	-245.42	
			For Class 54 Rating, Add	167.33	
			For Class 55 Rating, Add	371.92	
40 05 19 00-0843	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,315.92	630.02
			For Class 52 Rating, Deduct	-259.75	
			For Class 54 Rating, Add	177.10	
			For Class 55 Rating, Add	393.64	
40 05 19 00-0844	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,450.44	632.82
			For Class 52 Rating, Deduct	-274.08	
			For Class 54 Rating, Add	186.87	
			For Class 55 Rating, Add	415.36	
40 05 19 00-0845	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,584.96	635.61
			For Class 52 Rating, Deduct	-288.41	
			For Class 54 Rating, Add	196.64	
			For Class 55 Rating, Add	437.07	
40 05 19 00-0846	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,719.48	638.40
			For Class 52 Rating, Deduct	-302.74	
			For Class 54 Rating, Add	206.42	
			For Class 55 Rating, Add	458.79	
40 05 19 00-0847	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,853.99	641.20
			For Class 52 Rating, Deduct	-317.07	
			For Class 54 Rating, Add	216.19	
			For Class 55 Rating, Add	480.51	
40 05 19 00-0848	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,988.51	643.99
			For Class 52 Rating, Deduct	-331.40	
			For Class 54 Rating, Add	225.96	
			For Class 55 Rating, Add	502.23	
40 05 19 00-0849	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,123.02	646.79
			For Class 52 Rating, Deduct	-345.73	
			For Class 54 Rating, Add	235.73	
			For Class 55 Rating, Add	523.94	
40 05 19 00-0850	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,257.54	649.59
			For Class 52 Rating, Deduct	-360.07	
			For Class 54 Rating, Add	245.50	
			For Class 55 Rating, Add	545.66	
40 05 19 00-0851	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,392.06	652.38
			For Class 52 Rating, Deduct	-374.40	
			For Class 54 Rating, Add	255.27	
			For Class 55 Rating, Add	567.38	
40 05 19 00-0852	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,526.57	655.18
			For Class 52 Rating, Deduct	-388.73	
			For Class 54 Rating, Add	265.04	
			For Class 55 Rating, Add	589.10	
40 05 19 00-0853	EA		18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,661.09	657.97
			For Class 52 Rating, Deduct	-403.06	
			For Class 54 Rating, Add	274.81	
			For Class 55 Rating, Add	610.82	
40 05 19 00-0854	EA		18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,795.60	660.77
			For Class 52 Rating, Deduct	-417.39	
			For Class 54 Rating, Add	284.58	
			For Class 55 Rating, Add	632.53	
40 05 19 00-0855	EA		18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,930.12	663.56
			For Class 52 Rating, Deduct	-431.72	
			For Class 54 Rating, Add	294.35	
			For Class 55 Rating, Add	654.25	
40 05 19 00-0856	EA		18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,064.63	666.35
			For Class 52 Rating, Deduct	-446.05	
			For Class 54 Rating, Add	304.13	
			For Class 55 Rating, Add	675.97	
40 05 19 00-0857	EA		18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,199.16	669.15
			For Class 52 Rating, Deduct	-460.38	
			For Class 54 Rating, Add	313.90	
			For Class 55 Rating, Add	697.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0858	EA		18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,333.68	671.94
			For Class 52 Rating, Deduct	-474.71	
			For Class 54 Rating, Add	323.67	
			For Class 55 Rating, Add	719.41	
40 05 19 00-0859	EA		18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,468.19	674.75
			For Class 52 Rating, Deduct	-489.04	
			For Class 54 Rating, Add	333.44	
			For Class 55 Rating, Add	741.12	
40 05 19 00-0860	EA		18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,602.71	677.54
			For Class 52 Rating, Deduct	-503.38	
			For Class 54 Rating, Add	343.21	
			For Class 55 Rating, Add	762.84	
40 05 19 00-0861	EA		18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,737.22	680.33
			For Class 52 Rating, Deduct	-517.71	
			For Class 54 Rating, Add	352.98	
			For Class 55 Rating, Add	784.56	
40 05 19 00-0862	EA		18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,871.73	683.13
			For Class 52 Rating, Deduct	-532.04	
			For Class 54 Rating, Add	362.75	
			For Class 55 Rating, Add	806.28	
40 05 19 00-0863	EA		18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,006.26	685.92
			For Class 52 Rating, Deduct	-546.37	
			For Class 54 Rating, Add	372.52	
			For Class 55 Rating, Add	828.00	
40 05 19 00-0864	EA		18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,140.77	688.72
			For Class 52 Rating, Deduct	-560.70	
			For Class 54 Rating, Add	382.30	
			For Class 55 Rating, Add	849.71	
40 05 19 00-0865	EA		18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,275.29	691.51
			For Class 52 Rating, Deduct	-575.03	
			For Class 54 Rating, Add	392.07	
			For Class 55 Rating, Add	871.43	
40 05 19 00-0866	EA		18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,409.80	694.30
			For Class 52 Rating, Deduct	-589.36	
			For Class 54 Rating, Add	401.84	
			For Class 55 Rating, Add	893.15	
40 05 19 00-0867	EA		18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,544.32	697.10
			For Class 52 Rating, Deduct	-603.69	
			For Class 54 Rating, Add	411.61	
			For Class 55 Rating, Add	914.87	
40 05 19 00-0868	EA		18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,678.84	699.89
			For Class 52 Rating, Deduct	-618.02	
			For Class 54 Rating, Add	421.38	
			For Class 55 Rating, Add	936.59	
40 05 19 00-0869	EA		18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,813.36	702.70
			For Class 52 Rating, Deduct	-632.35	
			For Class 54 Rating, Add	431.15	
			For Class 55 Rating, Add	958.30	
40 05 19 00-0870	EA		18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,947.88	705.49
			For Class 52 Rating, Deduct	-646.69	
			For Class 54 Rating, Add	440.92	
			For Class 55 Rating, Add	980.02	
40 05 19 00-0871	EA		18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,082.39	708.29
			For Class 52 Rating, Deduct	-661.02	
			For Class 54 Rating, Add	450.69	
			For Class 55 Rating, Add	1,001.74	
40 05 19 00-0872			20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0873	EA		20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,434.63	690.39
			For Class 52 Rating, Deduct	-152.74	
			For Class 54 Rating, Add	104.14	
			For Class 55 Rating, Add	231.48	
40 05 19 00-0874	EA		20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,588.69	693.19
			For Class 52 Rating, Deduct	-169.23	
			For Class 54 Rating, Add	115.38	
			For Class 55 Rating, Add	256.45	
40 05 19 00-0875	EA		20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,742.75	695.98
			For Class 52 Rating, Deduct	-185.71	
			For Class 54 Rating, Add	126.62	
			For Class 55 Rating, Add	281.43	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0876	EA		20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,896.81	698.78
			For Class 52 Rating, Deduct	-202.19	
			For Class 54 Rating, Add	137.85	
			For Class 55 Rating, Add	306.40	
40 05 19 00-0877	EA		20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,050.86	701.57
			For Class 52 Rating, Deduct	-218.67	
			For Class 54 Rating, Add	149.09	
			For Class 55 Rating, Add	331.38	
40 05 19 00-0878	EA		20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,204.92	704.36
			For Class 52 Rating, Deduct	-235.15	
			For Class 54 Rating, Add	160.33	
			For Class 55 Rating, Add	356.35	
40 05 19 00-0879	EA		20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,358.98	707.16
			For Class 52 Rating, Deduct	-251.63	
			For Class 54 Rating, Add	171.56	
			For Class 55 Rating, Add	381.33	
40 05 19 00-0880	EA		20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,513.04	709.95
			For Class 52 Rating, Deduct	-268.11	
			For Class 54 Rating, Add	182.80	
			For Class 55 Rating, Add	406.31	
40 05 19 00-0881	EA		20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,667.10	712.75
			For Class 52 Rating, Deduct	-284.59	
			For Class 54 Rating, Add	194.04	
			For Class 55 Rating, Add	431.28	
40 05 19 00-0882	EA		20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,821.16	715.54
			For Class 52 Rating, Deduct	-301.07	
			For Class 54 Rating, Add	205.28	
			For Class 55 Rating, Add	456.26	
40 05 19 00-0883	EA		20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,975.22	718.35
			For Class 52 Rating, Deduct	-317.55	
			For Class 54 Rating, Add	216.51	
			For Class 55 Rating, Add	481.23	
40 05 19 00-0884	EA		20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,129.28	721.14
			For Class 52 Rating, Deduct	-334.03	
			For Class 54 Rating, Add	227.75	
			For Class 55 Rating, Add	506.21	
40 05 19 00-0885	EA		20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,283.34	723.93
			For Class 52 Rating, Deduct	-350.51	
			For Class 54 Rating, Add	238.99	
			For Class 55 Rating, Add	531.18	
40 05 19 00-0886	EA		20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,437.39	726.73
			For Class 52 Rating, Deduct	-366.99	
			For Class 54 Rating, Add	250.22	
			For Class 55 Rating, Add	556.16	
40 05 19 00-0887	EA		20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,591.46	729.52
			For Class 52 Rating, Deduct	-383.47	
			For Class 54 Rating, Add	261.46	
			For Class 55 Rating, Add	581.14	
40 05 19 00-0888	EA		20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,745.52	732.32
			For Class 52 Rating, Deduct	-399.95	
			For Class 54 Rating, Add	272.70	
			For Class 55 Rating, Add	606.11	
40 05 19 00-0889	EA		20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,899.57	735.11
			For Class 52 Rating, Deduct	-416.43	
			For Class 54 Rating, Add	283.93	
			For Class 55 Rating, Add	631.09	
40 05 19 00-0890	EA		20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,053.63	737.90
			For Class 52 Rating, Deduct	-432.91	
			For Class 54 Rating, Add	295.17	
			For Class 55 Rating, Add	656.06	
40 05 19 00-0891	EA		20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,207.68	740.70
			For Class 52 Rating, Deduct	-449.40	
			For Class 54 Rating, Add	306.41	
			For Class 55 Rating, Add	681.04	
40 05 19 00-0892	EA		20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,361.75	743.49
			For Class 52 Rating, Deduct	-465.88	
			For Class 54 Rating, Add	317.64	
			For Class 55 Rating, Add	706.01	
40 05 19 00-0893	EA		20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,515.80	746.30
			For Class 52 Rating, Deduct	-482.36	
			For Class 54 Rating, Add	328.88	
			For Class 55 Rating, Add	730.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0894	EA		20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,669.87	749.09
			For Class 52 Rating, Deduct	-498.84	
			For Class 54 Rating, Add	340.12	
			For Class 55 Rating, Add	755.97	
40 05 19 00-0895	EA		20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,823.93	751.88
			For Class 52 Rating, Deduct	-515.32	
			For Class 54 Rating, Add	351.35	
			For Class 55 Rating, Add	780.94	
40 05 19 00-0896	EA		20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,977.98	754.68
			For Class 52 Rating, Deduct	-531.80	
			For Class 54 Rating, Add	362.59	
			For Class 55 Rating, Add	805.92	
40 05 19 00-0897	EA		20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,132.05	757.47
			For Class 52 Rating, Deduct	-548.28	
			For Class 54 Rating, Add	373.83	
			For Class 55 Rating, Add	830.89	
40 05 19 00-0898	EA		20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,286.10	760.27
			For Class 52 Rating, Deduct	-564.76	
			For Class 54 Rating, Add	385.06	
			For Class 55 Rating, Add	855.87	
40 05 19 00-0899	EA		20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,440.16	763.06
			For Class 52 Rating, Deduct	-581.24	
			For Class 54 Rating, Add	396.30	
			For Class 55 Rating, Add	880.84	
40 05 19 00-0900	EA		20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,594.22	765.85
			For Class 52 Rating, Deduct	-597.72	
			For Class 54 Rating, Add	407.54	
			For Class 55 Rating, Add	905.82	
40 05 19 00-0901	EA		20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,748.27	768.65
			For Class 52 Rating, Deduct	-614.20	
			For Class 54 Rating, Add	418.77	
			For Class 55 Rating, Add	930.79	
40 05 19 00-0902	EA		20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,902.34	771.45
			For Class 52 Rating, Deduct	-630.68	
			For Class 54 Rating, Add	430.01	
			For Class 55 Rating, Add	955.77	
40 05 19 00-0903	EA		20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,056.39	774.25
			For Class 52 Rating, Deduct	-647.16	
			For Class 54 Rating, Add	441.25	
			For Class 55 Rating, Add	980.75	
40 05 19 00-0904	EA		20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,210.45	777.04
			For Class 52 Rating, Deduct	-663.64	
			For Class 54 Rating, Add	452.48	
			For Class 55 Rating, Add	1,005.72	
40 05 19 00-0905	EA		20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,364.51	779.83
			For Class 52 Rating, Deduct	-680.12	
			For Class 54 Rating, Add	463.72	
			For Class 55 Rating, Add	1,030.70	
40 05 19 00-0906	EA		20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,518.57	782.63
			For Class 52 Rating, Deduct	-696.60	
			For Class 54 Rating, Add	474.96	
			For Class 55 Rating, Add	1,055.67	
40 05 19 00-0907	EA		20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,672.64	785.42
			For Class 52 Rating, Deduct	-713.09	
			For Class 54 Rating, Add	486.20	
			For Class 55 Rating, Add	1,080.65	
40 05 19 00-0908	EA		20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,826.69	788.22
			For Class 52 Rating, Deduct	-729.57	
			For Class 54 Rating, Add	497.43	
			For Class 55 Rating, Add	1,105.62	
40 05 19 00-0909	EA		20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,980.75	791.01
			For Class 52 Rating, Deduct	-746.05	
			For Class 54 Rating, Add	508.67	
			For Class 55 Rating, Add	1,130.60	
40 05 19 00-0910	EA		20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,134.81	793.81
			For Class 52 Rating, Deduct	-762.53	
			For Class 54 Rating, Add	519.91	
			For Class 55 Rating, Add	1,155.58	
40 05 19 00-0911			24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0912	EA		24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,991.08	816.17
			<i>For Class 52 Rating, Deduct</i>	-192.99	
			<i>For Class 54 Rating, Add</i>	131.58	
			<i>For Class 55 Rating, Add</i>	292.47	
40 05 19 00-0913	EA		24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,180.97	818.96
			<i>For Class 52 Rating, Deduct</i>	-213.41	
			<i>For Class 54 Rating, Add</i>	145.51	
			<i>For Class 55 Rating, Add</i>	323.42	
40 05 19 00-0914	EA		24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,370.85	821.76
			<i>For Class 52 Rating, Deduct</i>	-233.83	
			<i>For Class 54 Rating, Add</i>	159.43	
			<i>For Class 55 Rating, Add</i>	354.36	
40 05 19 00-0915	EA		24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,560.74	824.55
			<i>For Class 52 Rating, Deduct</i>	-254.26	
			<i>For Class 54 Rating, Add</i>	173.36	
			<i>For Class 55 Rating, Add</i>	385.31	
40 05 19 00-0916	EA		24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,750.62	827.35
			<i>For Class 52 Rating, Deduct</i>	-274.68	
			<i>For Class 54 Rating, Add</i>	187.28	
			<i>For Class 55 Rating, Add</i>	416.26	
40 05 19 00-0917	EA		24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,940.51	830.15
			<i>For Class 52 Rating, Deduct</i>	-295.10	
			<i>For Class 54 Rating, Add</i>	201.20	
			<i>For Class 55 Rating, Add</i>	447.21	
40 05 19 00-0918	EA		24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,130.40	832.94
			<i>For Class 52 Rating, Deduct</i>	-315.52	
			<i>For Class 54 Rating, Add</i>	215.13	
			<i>For Class 55 Rating, Add</i>	478.16	
40 05 19 00-0919	EA		24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,320.28	835.74
			<i>For Class 52 Rating, Deduct</i>	-335.94	
			<i>For Class 54 Rating, Add</i>	229.05	
			<i>For Class 55 Rating, Add</i>	509.11	
40 05 19 00-0920	EA		24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,510.17	838.53
			<i>For Class 52 Rating, Deduct</i>	-356.36	
			<i>For Class 54 Rating, Add</i>	242.98	
			<i>For Class 55 Rating, Add</i>	540.05	
40 05 19 00-0921	EA		24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,700.05	841.32
			<i>For Class 52 Rating, Deduct</i>	-376.79	
			<i>For Class 54 Rating, Add</i>	256.90	
			<i>For Class 55 Rating, Add</i>	571.00	
40 05 19 00-0922	EA		24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,889.94	844.12
			<i>For Class 52 Rating, Deduct</i>	-397.21	
			<i>For Class 54 Rating, Add</i>	270.82	
			<i>For Class 55 Rating, Add</i>	601.95	
40 05 19 00-0923	EA		24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,079.83	846.91
			<i>For Class 52 Rating, Deduct</i>	-417.63	
			<i>For Class 54 Rating, Add</i>	284.75	
			<i>For Class 55 Rating, Add</i>	632.90	
40 05 19 00-0924	EA		24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,269.71	849.71
			<i>For Class 52 Rating, Deduct</i>	-438.05	
			<i>For Class 54 Rating, Add</i>	298.67	
			<i>For Class 55 Rating, Add</i>	663.84	
40 05 19 00-0925	EA		24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,459.61	852.51
			<i>For Class 52 Rating, Deduct</i>	-458.47	
			<i>For Class 54 Rating, Add</i>	312.59	
			<i>For Class 55 Rating, Add</i>	694.79	
40 05 19 00-0926	EA		24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,649.49	855.30
			<i>For Class 52 Rating, Deduct</i>	-478.89	
			<i>For Class 54 Rating, Add</i>	326.52	
			<i>For Class 55 Rating, Add</i>	725.74	
40 05 19 00-0927	EA		24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,839.38	858.10
			<i>For Class 52 Rating, Deduct</i>	-499.32	
			<i>For Class 54 Rating, Add</i>	340.44	
			<i>For Class 55 Rating, Add</i>	756.69	
40 05 19 00-0928	EA		24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,029.26	860.89
			<i>For Class 52 Rating, Deduct</i>	-519.74	
			<i>For Class 54 Rating, Add</i>	354.37	
			<i>For Class 55 Rating, Add</i>	787.64	
40 05 19 00-0929	EA		24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,219.14	863.69
			<i>For Class 52 Rating, Deduct</i>	-540.16	
			<i>For Class 54 Rating, Add</i>	368.29	
			<i>For Class 55 Rating, Add</i>	818.59	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0930	EA		24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,409.03	866.48
			For Class 52 Rating, Deduct	-560.58	
			For Class 54 Rating, Add	382.21	
			For Class 55 Rating, Add	849.53	
40 05 19 00-0931	EA		24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,598.91	869.27
			For Class 52 Rating, Deduct	-581.00	
			For Class 54 Rating, Add	396.14	
			For Class 55 Rating, Add	880.48	
40 05 19 00-0932	EA		24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,788.80	872.07
			For Class 52 Rating, Deduct	-601.42	
			For Class 54 Rating, Add	410.06	
			For Class 55 Rating, Add	911.43	
40 05 19 00-0933	EA		24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,978.69	874.86
			For Class 52 Rating, Deduct	-621.85	
			For Class 54 Rating, Add	423.99	
			For Class 55 Rating, Add	942.38	
40 05 19 00-0934	EA		24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,168.58	877.66
			For Class 52 Rating, Deduct	-642.27	
			For Class 54 Rating, Add	437.91	
			For Class 55 Rating, Add	973.33	
40 05 19 00-0935	EA		24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,358.47	880.46
			For Class 52 Rating, Deduct	-662.69	
			For Class 54 Rating, Add	451.83	
			For Class 55 Rating, Add	1,004.27	
40 05 19 00-0936	EA		24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,548.35	883.26
			For Class 52 Rating, Deduct	-683.11	
			For Class 54 Rating, Add	465.76	
			For Class 55 Rating, Add	1,035.22	
40 05 19 00-0937	EA		24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,738.24	886.05
			For Class 52 Rating, Deduct	-703.53	
			For Class 54 Rating, Add	479.68	
			For Class 55 Rating, Add	1,066.17	
40 05 19 00-0938	EA		24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,928.12	888.84
			For Class 52 Rating, Deduct	-723.95	
			For Class 54 Rating, Add	493.60	
			For Class 55 Rating, Add	1,097.12	
40 05 19 00-0939	EA		24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,118.01	891.64
			For Class 52 Rating, Deduct	-744.37	
			For Class 54 Rating, Add	507.53	
			For Class 55 Rating, Add	1,128.07	
40 05 19 00-0940	EA		24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,307.90	894.43
			For Class 52 Rating, Deduct	-764.80	
			For Class 54 Rating, Add	521.45	
			For Class 55 Rating, Add	1,159.01	
40 05 19 00-0941	EA		24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,569.78	944.74
			For Class 52 Rating, Deduct	-785.22	
			For Class 54 Rating, Add	535.38	
			For Class 55 Rating, Add	1,189.96	
40 05 19 00-0942	EA		24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,759.67	947.54
			For Class 52 Rating, Deduct	-805.64	
			For Class 54 Rating, Add	549.30	
			For Class 55 Rating, Add	1,220.91	
40 05 19 00-0943	EA		24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,949.55	950.33
			For Class 52 Rating, Deduct	-826.06	
			For Class 54 Rating, Add	563.22	
			For Class 55 Rating, Add	1,251.86	
40 05 19 00-0944	EA		24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,139.44	953.13
			For Class 52 Rating, Deduct	-846.48	
			For Class 54 Rating, Add	577.15	
			For Class 55 Rating, Add	1,282.81	
40 05 19 00-0945	EA		24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,329.32	955.92
			For Class 52 Rating, Deduct	-866.90	
			For Class 54 Rating, Add	591.07	
			For Class 55 Rating, Add	1,313.75	
40 05 19 00-0946	EA		24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,519.21	958.72
			For Class 52 Rating, Deduct	-887.33	
			For Class 54 Rating, Add	605.00	
			For Class 55 Rating, Add	1,344.70	
40 05 19 00-0947	EA		24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,709.09	961.52
			For Class 52 Rating, Deduct	-907.75	
			For Class 54 Rating, Add	618.92	
			For Class 55 Rating, Add	1,375.65	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0948	EA		24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,898.97	964.31
			For Class 52 Rating, Deduct	-928.17	
			For Class 54 Rating, Add	632.84	
			For Class 55 Rating, Add	1,406.60	
40 05 19 00-0949	EA		24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,088.87	967.11
			For Class 52 Rating, Deduct	-948.59	
			For Class 54 Rating, Add	646.77	
			For Class 55 Rating, Add	1,437.55	
<b>40 05 19 00-0950</b>			<b>30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0954)</small>		
40 05 19 00-0951	EA		30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,545.87	1,151.59
			For Class 52 Rating, Deduct	-308.12	
			For Class 54 Rating, Add	210.08	
			For Class 55 Rating, Add	466.94	
40 05 19 00-0952	EA		30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,818.28	1,154.38
			For Class 52 Rating, Deduct	-337.61	
			For Class 54 Rating, Add	230.19	
			For Class 55 Rating, Add	511.64	
40 05 19 00-0953	EA		30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,090.67	1,157.17
			For Class 52 Rating, Deduct	-367.11	
			For Class 54 Rating, Add	250.30	
			For Class 55 Rating, Add	556.34	
40 05 19 00-0954	EA		30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,363.06	1,159.97
			For Class 52 Rating, Deduct	-396.61	
			For Class 54 Rating, Add	270.42	
			For Class 55 Rating, Add	601.04	
40 05 19 00-0955	EA		30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,635.47	1,162.76
			For Class 52 Rating, Deduct	-426.11	
			For Class 54 Rating, Add	290.53	
			For Class 55 Rating, Add	645.75	
40 05 19 00-0956	EA		30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,907.86	1,165.56
			For Class 52 Rating, Deduct	-455.61	
			For Class 54 Rating, Add	310.64	
			For Class 55 Rating, Add	690.45	
40 05 19 00-0957	EA		30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,180.26	1,168.35
			For Class 52 Rating, Deduct	-485.10	
			For Class 54 Rating, Add	330.75	
			For Class 55 Rating, Add	735.15	
40 05 19 00-0958	EA		30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,452.67	1,171.14
			For Class 52 Rating, Deduct	-514.60	
			For Class 54 Rating, Add	350.87	
			For Class 55 Rating, Add	779.86	
40 05 19 00-0959	EA		30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,725.06	1,173.94
			For Class 52 Rating, Deduct	-544.10	
			For Class 54 Rating, Add	370.98	
			For Class 55 Rating, Add	824.56	
40 05 19 00-0960	EA		30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,997.46	1,176.74
			For Class 52 Rating, Deduct	-573.60	
			For Class 54 Rating, Add	391.09	
			For Class 55 Rating, Add	869.26	
40 05 19 00-0961	EA		30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,269.85	1,179.54
			For Class 52 Rating, Deduct	-603.09	
			For Class 54 Rating, Add	411.20	
			For Class 55 Rating, Add	913.96	
40 05 19 00-0962	EA		30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,542.26	1,182.33
			For Class 52 Rating, Deduct	-632.59	
			For Class 54 Rating, Add	431.31	
			For Class 55 Rating, Add	958.67	
40 05 19 00-0963	EA		30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,814.65	1,185.12
			For Class 52 Rating, Deduct	-662.09	
			For Class 54 Rating, Add	451.43	
			For Class 55 Rating, Add	1,003.37	
40 05 19 00-0964	EA		30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,087.05	1,187.92
			For Class 52 Rating, Deduct	-691.59	
			For Class 54 Rating, Add	471.54	
			For Class 55 Rating, Add	1,048.07	
40 05 19 00-0965	EA		30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,359.45	1,190.71
			For Class 52 Rating, Deduct	-721.09	
			For Class 54 Rating, Add	491.65	
			For Class 55 Rating, Add	1,092.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0966	EA		30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,631.84	1,193.51
			For Class 52 Rating, Deduct	-750.59	
			For Class 54 Rating, Add	511.76	
			For Class 55 Rating, Add	1,137.48	
40 05 19 00-0967	EA		30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,904.24	1,196.30
			For Class 52 Rating, Deduct	-780.08	
			For Class 54 Rating, Add	531.87	
			For Class 55 Rating, Add	1,182.18	
40 05 19 00-0968	EA		30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,176.63	1,199.09
			For Class 52 Rating, Deduct	-809.58	
			For Class 54 Rating, Add	551.99	
			For Class 55 Rating, Add	1,226.88	
40 05 19 00-0969	EA		30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,449.04	1,201.89
			For Class 52 Rating, Deduct	-839.08	
			For Class 54 Rating, Add	572.10	
			For Class 55 Rating, Add	1,271.59	
40 05 19 00-0970	EA		30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,721.44	1,204.69
			For Class 52 Rating, Deduct	-868.58	
			For Class 54 Rating, Add	592.21	
			For Class 55 Rating, Add	1,316.29	
40 05 19 00-0971	EA		30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,993.83	1,207.49
			For Class 52 Rating, Deduct	-898.07	
			For Class 54 Rating, Add	612.32	
			For Class 55 Rating, Add	1,360.99	
40 05 19 00-0972	EA		30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,266.24	1,210.28
			For Class 52 Rating, Deduct	-927.57	
			For Class 54 Rating, Add	632.44	
			For Class 55 Rating, Add	1,405.69	
40 05 19 00-0973	EA		30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,538.63	1,213.08
			For Class 52 Rating, Deduct	-957.07	
			For Class 54 Rating, Add	652.55	
			For Class 55 Rating, Add	1,450.40	
40 05 19 00-0974	EA		30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,811.03	1,215.87
			For Class 52 Rating, Deduct	-986.57	
			For Class 54 Rating, Add	672.66	
			For Class 55 Rating, Add	1,495.10	
40 05 19 00-0975	EA		30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,083.43	1,218.66
			For Class 52 Rating, Deduct	-1,016.07	
			For Class 54 Rating, Add	692.77	
			For Class 55 Rating, Add	1,539.80	
40 05 19 00-0976	EA		30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,355.82	1,221.46
			For Class 52 Rating, Deduct	-1,045.56	
			For Class 54 Rating, Add	712.88	
			For Class 55 Rating, Add	1,584.51	
40 05 19 00-0977	EA		30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,628.22	1,224.25
			For Class 52 Rating, Deduct	-1,075.06	
			For Class 54 Rating, Add	733.00	
			For Class 55 Rating, Add	1,629.21	
40 05 19 00-0978	EA		30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,900.61	1,227.05
			For Class 52 Rating, Deduct	-1,104.56	
			For Class 54 Rating, Add	753.11	
			For Class 55 Rating, Add	1,673.91	
40 05 19 00-0979	EA		30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,173.02	1,229.84
			For Class 52 Rating, Deduct	-1,134.06	
			For Class 54 Rating, Add	773.22	
			For Class 55 Rating, Add	1,718.61	
40 05 19 00-0980	EA		30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,445.41	1,232.64
			For Class 52 Rating, Deduct	-1,163.56	
			For Class 54 Rating, Add	793.33	
			For Class 55 Rating, Add	1,763.32	
40 05 19 00-0981	EA		30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,717.81	1,235.44
			For Class 52 Rating, Deduct	-1,193.05	
			For Class 54 Rating, Add	813.45	
			For Class 55 Rating, Add	1,808.02	
40 05 19 00-0982	EA		30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,990.22	1,238.23
			For Class 52 Rating, Deduct	-1,222.55	
			For Class 54 Rating, Add	833.56	
			For Class 55 Rating, Add	1,852.72	
40 05 19 00-0983	EA		30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,262.61	1,241.03
			For Class 52 Rating, Deduct	-1,252.05	
			For Class 54 Rating, Add	853.67	
			For Class 55 Rating, Add	1,897.42	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0984	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,535.01	1,243.82
		For Class 52 Rating, Deduct	-1,281.55	
		For Class 54 Rating, Add	873.78	
		For Class 55 Rating, Add	1,942.13	
40 05 19 00-0985	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,807.41	1,246.61
		For Class 52 Rating, Deduct	-1,311.05	
		For Class 54 Rating, Add	893.90	
		For Class 55 Rating, Add	1,986.83	
40 05 19 00-0986	EA	30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,079.81	1,249.41
		For Class 52 Rating, Deduct	-1,340.54	
		For Class 54 Rating, Add	914.01	
		For Class 55 Rating, Add	2,031.53	
40 05 19 00-0987	EA	30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,352.21	1,252.20
		For Class 52 Rating, Deduct	-1,370.04	
		For Class 54 Rating, Add	934.12	
		For Class 55 Rating, Add	2,076.24	
40 05 19 00-0988	EA	30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,624.59	1,255.00
		For Class 52 Rating, Deduct	-1,399.54	
		For Class 54 Rating, Add	954.23	
		For Class 55 Rating, Add	2,120.94	
<b>40 05 19 00-0989</b>		<b>36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0990	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,159.29	1,459.04
		For Class 52 Rating, Deduct	-434.35	
		For Class 54 Rating, Add	296.15	
		For Class 55 Rating, Add	658.23	
40 05 19 00-0991	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,528.31	1,461.84
		For Class 52 Rating, Deduct	-474.48	
		For Class 54 Rating, Add	323.51	
		For Class 55 Rating, Add	719.05	
40 05 19 00-0992	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,897.34	1,464.63
		For Class 52 Rating, Deduct	-514.60	
		For Class 54 Rating, Add	350.87	
		For Class 55 Rating, Add	779.86	
40 05 19 00-0993	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,266.36	1,467.43
		For Class 52 Rating, Deduct	-554.73	
		For Class 54 Rating, Add	378.22	
		For Class 55 Rating, Add	840.66	
40 05 19 00-0994	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,635.38	1,470.22
		For Class 52 Rating, Deduct	-594.85	
		For Class 54 Rating, Add	405.58	
		For Class 55 Rating, Add	901.48	
40 05 19 00-0995	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,004.41	1,473.01
		For Class 52 Rating, Deduct	-634.98	
		For Class 54 Rating, Add	432.94	
		For Class 55 Rating, Add	962.29	
40 05 19 00-0996	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,373.43	1,475.82
		For Class 52 Rating, Deduct	-675.11	
		For Class 54 Rating, Add	460.30	
		For Class 55 Rating, Add	1,023.10	
40 05 19 00-0997	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,742.46	1,478.61
		For Class 52 Rating, Deduct	-715.24	
		For Class 54 Rating, Add	487.66	
		For Class 55 Rating, Add	1,083.91	
40 05 19 00-0998	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,111.48	1,481.41
		For Class 52 Rating, Deduct	-755.36	
		For Class 54 Rating, Add	515.02	
		For Class 55 Rating, Add	1,144.72	
40 05 19 00-0999	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,480.49	1,484.20
		For Class 52 Rating, Deduct	-795.49	
		For Class 54 Rating, Add	542.38	
		For Class 55 Rating, Add	1,205.53	
40 05 19 00-1000	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,849.52	1,486.99
		For Class 52 Rating, Deduct	-835.62	
		For Class 54 Rating, Add	569.74	
		For Class 55 Rating, Add	1,266.34	
40 05 19 00-1001	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,218.54	1,489.79
		For Class 52 Rating, Deduct	-875.74	
		For Class 54 Rating, Add	597.10	
		For Class 55 Rating, Add	1,327.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1002	EA		36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,587.57	1,492.58
			For Class 52 Rating, Deduct	-915.87	
			For Class 54 Rating, Add	624.46	
			For Class 55 Rating, Add	1,387.96	
40 05 19 00-1003	EA		36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,956.59	1,495.38
			For Class 52 Rating, Deduct	-956.00	
			For Class 54 Rating, Add	651.82	
			For Class 55 Rating, Add	1,448.77	
40 05 19 00-1004	EA		36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,325.62	1,498.17
			For Class 52 Rating, Deduct	-996.12	
			For Class 54 Rating, Add	679.17	
			For Class 55 Rating, Add	1,509.58	
40 05 19 00-1005	EA		36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,694.65	1,500.96
			For Class 52 Rating, Deduct	-1,036.25	
			For Class 54 Rating, Add	706.53	
			For Class 55 Rating, Add	1,570.39	
40 05 19 00-1006	EA		36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,063.66	1,503.77
			For Class 52 Rating, Deduct	-1,076.38	
			For Class 54 Rating, Add	733.89	
			For Class 55 Rating, Add	1,631.20	
40 05 19 00-1007	EA		36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,432.69	1,506.56
			For Class 52 Rating, Deduct	-1,116.50	
			For Class 54 Rating, Add	761.25	
			For Class 55 Rating, Add	1,692.01	
40 05 19 00-1008	EA		36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,801.71	1,509.36
			For Class 52 Rating, Deduct	-1,156.63	
			For Class 54 Rating, Add	788.61	
			For Class 55 Rating, Add	1,752.82	
40 05 19 00-1009	EA		36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,170.74	1,512.15
			For Class 52 Rating, Deduct	-1,196.76	
			For Class 54 Rating, Add	815.97	
			For Class 55 Rating, Add	1,813.63	
40 05 19 00-1010	EA		36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,539.76	1,514.94
			For Class 52 Rating, Deduct	-1,236.88	
			For Class 54 Rating, Add	843.33	
			For Class 55 Rating, Add	1,874.44	
40 05 19 00-1011	EA		36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,908.78	1,517.74
			For Class 52 Rating, Deduct	-1,277.01	
			For Class 54 Rating, Add	870.69	
			For Class 55 Rating, Add	1,935.25	
40 05 19 00-1012	EA		36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,277.80	1,520.53
			For Class 52 Rating, Deduct	-1,317.14	
			For Class 54 Rating, Add	898.05	
			For Class 55 Rating, Add	1,996.06	
40 05 19 00-1013	EA		36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,646.82	1,523.33
			For Class 52 Rating, Deduct	-1,357.26	
			For Class 54 Rating, Add	925.41	
			For Class 55 Rating, Add	2,056.87	
40 05 19 00-1014	EA		36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,015.85	1,526.12
			For Class 52 Rating, Deduct	-1,397.39	
			For Class 54 Rating, Add	952.77	
			For Class 55 Rating, Add	2,117.68	
40 05 19 00-1015	EA		36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,384.88	1,528.92
			For Class 52 Rating, Deduct	-1,437.52	
			For Class 54 Rating, Add	980.12	
			For Class 55 Rating, Add	2,178.49	
40 05 19 00-1016	EA		36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,753.90	1,531.72
			For Class 52 Rating, Deduct	-1,477.64	
			For Class 54 Rating, Add	1,007.48	
			For Class 55 Rating, Add	2,239.30	
40 05 19 00-1017	EA		36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,122.93	1,534.51
			For Class 52 Rating, Deduct	-1,517.77	
			For Class 54 Rating, Add	1,034.84	
			For Class 55 Rating, Add	2,300.11	
40 05 19 00-1018	EA		36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,491.95	1,537.31
			For Class 52 Rating, Deduct	-1,557.90	
			For Class 54 Rating, Add	1,062.20	
			For Class 55 Rating, Add	2,360.92	
40 05 19 00-1019	EA		36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,860.97	1,540.10
			For Class 52 Rating, Deduct	-1,598.02	
			For Class 54 Rating, Add	1,089.56	
			For Class 55 Rating, Add	2,421.73	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1020	EA		36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,229.99	1,542.90
			For Class 52 Rating, Deduct	-1,638.15	
			For Class 54 Rating, Add	1,116.92	
			For Class 55 Rating, Add	2,482.54	
40 05 19 00-1021	EA		36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,599.02	1,545.69
			For Class 52 Rating, Deduct	-1,678.28	
			For Class 54 Rating, Add	1,144.28	
			For Class 55 Rating, Add	2,543.35	
40 05 19 00-1022	EA		36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,968.04	1,548.48
			For Class 52 Rating, Deduct	-1,718.40	
			For Class 54 Rating, Add	1,171.64	
			For Class 55 Rating, Add	2,604.16	
40 05 19 00-1023	EA		36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	18,337.06	1,551.28
			For Class 52 Rating, Deduct	-1,758.53	
			For Class 54 Rating, Add	1,199.00	
			For Class 55 Rating, Add	2,664.97	
40 05 19 00-1024	EA		36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	18,706.09	1,554.07
			For Class 52 Rating, Deduct	-1,798.66	
			For Class 54 Rating, Add	1,226.36	
			For Class 55 Rating, Add	2,725.78	
40 05 19 00-1025	EA		36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,075.11	1,556.88
			For Class 52 Rating, Deduct	-1,838.78	
			For Class 54 Rating, Add	1,253.72	
			For Class 55 Rating, Add	2,786.59	
40 05 19 00-1026	EA		36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,444.13	1,559.67
			For Class 52 Rating, Deduct	-1,878.91	
			For Class 54 Rating, Add	1,281.08	
			For Class 55 Rating, Add	2,847.40	
40 05 19 00-1027	EA		36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,813.16	1,562.46
			For Class 52 Rating, Deduct	-1,919.04	
			For Class 54 Rating, Add	1,308.43	
			For Class 55 Rating, Add	2,908.21	
40 05 19 00-1028			Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0001)		
40 05 19 00-1029			4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		
40 05 19 00-1030	EA		4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	364.53	136.70
			For Class 52 Rating, Deduct	-17.32	
			For Class 54 Rating, Add	11.81	
			For Class 55 Rating, Add	26.24	
40 05 19 00-1031	EA		4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	396.38	139.09
			For Class 52 Rating, Deduct	-20.42	
			For Class 54 Rating, Add	13.92	
			For Class 55 Rating, Add	30.95	
40 05 19 00-1032	EA		4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	428.24	141.48
			For Class 52 Rating, Deduct	-23.53	
			For Class 54 Rating, Add	16.04	
			For Class 55 Rating, Add	35.65	
40 05 19 00-1033	EA		4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	460.08	143.86
			For Class 52 Rating, Deduct	-26.63	
			For Class 54 Rating, Add	18.16	
			For Class 55 Rating, Add	40.36	
40 05 19 00-1034	EA		4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	491.93	146.25
			For Class 52 Rating, Deduct	-29.74	
			For Class 54 Rating, Add	20.27	
			For Class 55 Rating, Add	45.06	
40 05 19 00-1035	EA		4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	523.78	148.65
			For Class 52 Rating, Deduct	-32.84	
			For Class 54 Rating, Add	22.39	
			For Class 55 Rating, Add	49.77	
40 05 19 00-1036	EA		4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	555.63	151.04
			For Class 52 Rating, Deduct	-35.95	
			For Class 54 Rating, Add	24.51	
			For Class 55 Rating, Add	54.48	
40 05 19 00-1037	EA		4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	587.48	153.42
			For Class 52 Rating, Deduct	-39.05	
			For Class 54 Rating, Add	26.63	
			For Class 55 Rating, Add	59.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1038	EA		4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	619.32	155.82
			For Class 52 Rating, Deduct	-42.16	
			For Class 54 Rating, Add	28.74	
			For Class 55 Rating, Add	63.89	
40 05 19 00-1039	EA		4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	651.17	158.21
			For Class 52 Rating, Deduct	-45.26	
			For Class 54 Rating, Add	30.86	
			For Class 55 Rating, Add	68.59	
40 05 19 00-1040	EA		4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	683.02	160.59
			For Class 52 Rating, Deduct	-48.37	
			For Class 54 Rating, Add	32.98	
			For Class 55 Rating, Add	73.30	
40 05 19 00-1041	EA		4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	714.88	162.98
			For Class 52 Rating, Deduct	-51.47	
			For Class 54 Rating, Add	35.09	
			For Class 55 Rating, Add	78.00	
40 05 19 00-1042	EA		4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	746.72	165.37
			For Class 52 Rating, Deduct	-54.58	
			For Class 54 Rating, Add	37.21	
			For Class 55 Rating, Add	82.71	
40 05 19 00-1043	EA		4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	778.56	167.77
			For Class 52 Rating, Deduct	-57.68	
			For Class 54 Rating, Add	39.33	
			For Class 55 Rating, Add	87.41	
40 05 19 00-1044	EA		4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	810.42	170.15
			For Class 52 Rating, Deduct	-60.79	
			For Class 54 Rating, Add	41.45	
			For Class 55 Rating, Add	92.12	
40 05 19 00-1045	EA		4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	842.26	172.55
			For Class 52 Rating, Deduct	-63.89	
			For Class 54 Rating, Add	43.56	
			For Class 55 Rating, Add	96.83	
40 05 19 00-1046	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	874.12	174.94
			For Class 52 Rating, Deduct	-67.00	
			For Class 54 Rating, Add	45.68	
			For Class 55 Rating, Add	101.53	
40 05 19 00-1047	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	905.96	177.32
			For Class 52 Rating, Deduct	-70.10	
			For Class 54 Rating, Add	47.80	
			For Class 55 Rating, Add	106.24	
40 05 19 00-1048	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	937.81	179.71
			For Class 52 Rating, Deduct	-73.21	
			For Class 54 Rating, Add	49.91	
			For Class 55 Rating, Add	110.94	
40 05 19 00-1049	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	969.66	182.10
			For Class 52 Rating, Deduct	-76.31	
			For Class 54 Rating, Add	52.03	
			For Class 55 Rating, Add	115.65	
40 05 19 00-1050	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,001.51	184.50
			For Class 52 Rating, Deduct	-79.42	
			For Class 54 Rating, Add	54.15	
			For Class 55 Rating, Add	120.35	
40 05 19 00-1051	EA		4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,033.36	186.88
			For Class 52 Rating, Deduct	-82.52	
			For Class 54 Rating, Add	56.27	
			For Class 55 Rating, Add	125.06	
40 05 19 00-1052	EA		4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,065.20	189.28
			For Class 52 Rating, Deduct	-85.63	
			For Class 54 Rating, Add	58.38	
			For Class 55 Rating, Add	129.76	
40 05 19 00-1053	EA		4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,097.05	191.67
			For Class 52 Rating, Deduct	-88.73	
			For Class 54 Rating, Add	60.50	
			For Class 55 Rating, Add	134.47	
40 05 19 00-1054	EA		4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,128.91	194.04
			For Class 52 Rating, Deduct	-91.84	
			For Class 54 Rating, Add	62.62	
			For Class 55 Rating, Add	139.18	
40 05 19 00-1055	EA		4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,160.75	196.44
			For Class 52 Rating, Deduct	-94.94	
			For Class 54 Rating, Add	64.73	
			For Class 55 Rating, Add	143.88	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-1056	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,192.60	198.83
		<i>For Class 52 Rating, Deduct</i>	-98.05	
		<i>For Class 54 Rating, Add</i>	66.85	
		<i>For Class 55 Rating, Add</i>	148.59	
40 05 19 00-1057	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,224.45	201.23
		<i>For Class 52 Rating, Deduct</i>	-101.15	
		<i>For Class 54 Rating, Add</i>	68.97	
		<i>For Class 55 Rating, Add</i>	153.29	
40 05 19 00-1058	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,256.29	203.61
		<i>For Class 52 Rating, Deduct</i>	-104.26	
		<i>For Class 54 Rating, Add</i>	71.09	
		<i>For Class 55 Rating, Add</i>	158.00	
40 05 19 00-1059	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,288.15	206.00
		<i>For Class 52 Rating, Deduct</i>	-107.36	
		<i>For Class 54 Rating, Add</i>	73.20	
		<i>For Class 55 Rating, Add</i>	162.70	
40 05 19 00-1060	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,319.99	208.40
		<i>For Class 52 Rating, Deduct</i>	-110.47	
		<i>For Class 54 Rating, Add</i>	75.32	
		<i>For Class 55 Rating, Add</i>	167.41	
40 05 19 00-1061	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,351.84	210.78
		<i>For Class 52 Rating, Deduct</i>	-113.57	
		<i>For Class 54 Rating, Add</i>	77.44	
		<i>For Class 55 Rating, Add</i>	172.11	
40 05 19 00-1062	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,383.69	213.17
		<i>For Class 52 Rating, Deduct</i>	-116.68	
		<i>For Class 54 Rating, Add</i>	79.55	
		<i>For Class 55 Rating, Add</i>	176.82	
40 05 19 00-1063	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,415.54	215.56
		<i>For Class 52 Rating, Deduct</i>	-119.78	
		<i>For Class 54 Rating, Add</i>	81.67	
		<i>For Class 55 Rating, Add</i>	181.53	
40 05 19 00-1064	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,447.39	217.95
		<i>For Class 52 Rating, Deduct</i>	-122.89	
		<i>For Class 54 Rating, Add</i>	83.79	
		<i>For Class 55 Rating, Add</i>	186.23	
40 05 19 00-1065	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,479.23	220.34
		<i>For Class 52 Rating, Deduct</i>	-125.99	
		<i>For Class 54 Rating, Add</i>	85.90	
		<i>For Class 55 Rating, Add</i>	190.94	
40 05 19 00-1066	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,511.09	222.73
		<i>For Class 52 Rating, Deduct</i>	-129.10	
		<i>For Class 54 Rating, Add</i>	88.02	
		<i>For Class 55 Rating, Add</i>	195.64	
40 05 19 00-1067	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,542.94	225.13
		<i>For Class 52 Rating, Deduct</i>	-132.20	
		<i>For Class 54 Rating, Add</i>	90.14	
		<i>For Class 55 Rating, Add</i>	200.35	
40 05 19 00-1068	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,574.79	227.51
		<i>For Class 52 Rating, Deduct</i>	-135.31	
		<i>For Class 54 Rating, Add</i>	92.26	
		<i>For Class 55 Rating, Add</i>	205.05	
40 05 19 00-1069		<b>6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1070	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	457.21	172.06
		<i>For Class 52 Rating, Deduct</i>	-21.62	
		<i>For Class 54 Rating, Add</i>	14.74	
		<i>For Class 55 Rating, Add</i>	32.76	
40 05 19 00-1071	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	495.58	174.46
		<i>For Class 52 Rating, Deduct</i>	-25.44	
		<i>For Class 54 Rating, Add</i>	17.34	
		<i>For Class 55 Rating, Add</i>	38.55	
40 05 19 00-1072	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	533.94	176.84
		<i>For Class 52 Rating, Deduct</i>	-29.26	
		<i>For Class 54 Rating, Add</i>	19.95	
		<i>For Class 55 Rating, Add</i>	44.34	
40 05 19 00-1073	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	572.29	179.24
		<i>For Class 52 Rating, Deduct</i>	-33.08	
		<i>For Class 54 Rating, Add</i>	22.55	
		<i>For Class 55 Rating, Add</i>	50.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1074	EA		6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	610.67	181.63
			For Class 52 Rating, Deduct	-36.90	
			For Class 54 Rating, Add	25.16	
			For Class 55 Rating, Add	55.92	
40 05 19 00-1075	EA		6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	649.03	184.01
			For Class 52 Rating, Deduct	-40.72	
			For Class 54 Rating, Add	27.77	
			For Class 55 Rating, Add	61.72	
40 05 19 00-1076	EA		6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	687.40	186.40
			For Class 52 Rating, Deduct	-44.55	
			For Class 54 Rating, Add	30.37	
			For Class 55 Rating, Add	67.51	
40 05 19 00-1077	EA		6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	725.75	188.79
			For Class 52 Rating, Deduct	-48.37	
			For Class 54 Rating, Add	32.98	
			For Class 55 Rating, Add	73.30	
40 05 19 00-1078	EA		6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	764.12	191.19
			For Class 52 Rating, Deduct	-52.19	
			For Class 54 Rating, Add	35.58	
			For Class 55 Rating, Add	79.09	
40 05 19 00-1079	EA		6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	802.48	193.57
			For Class 52 Rating, Deduct	-56.01	
			For Class 54 Rating, Add	38.19	
			For Class 55 Rating, Add	84.88	
40 05 19 00-1080	EA		6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	840.84	195.96
			For Class 52 Rating, Deduct	-59.83	
			For Class 54 Rating, Add	40.79	
			For Class 55 Rating, Add	90.67	
40 05 19 00-1081	EA		6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	879.21	198.36
			For Class 52 Rating, Deduct	-63.65	
			For Class 54 Rating, Add	43.40	
			For Class 55 Rating, Add	96.46	
40 05 19 00-1082	EA		6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	917.57	200.74
			For Class 52 Rating, Deduct	-67.48	
			For Class 54 Rating, Add	46.01	
			For Class 55 Rating, Add	102.26	
40 05 19 00-1083	EA		6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	955.93	203.13
			For Class 52 Rating, Deduct	-71.30	
			For Class 54 Rating, Add	48.61	
			For Class 55 Rating, Add	108.05	
40 05 19 00-1084	EA		6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	994.29	205.52
			For Class 52 Rating, Deduct	-75.12	
			For Class 54 Rating, Add	51.22	
			For Class 55 Rating, Add	113.84	
40 05 19 00-1085	EA		6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,032.65	207.92
			For Class 52 Rating, Deduct	-78.94	
			For Class 54 Rating, Add	53.82	
			For Class 55 Rating, Add	119.63	
40 05 19 00-1086	EA		6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,071.02	210.30
			For Class 52 Rating, Deduct	-82.76	
			For Class 54 Rating, Add	56.43	
			For Class 55 Rating, Add	125.42	
40 05 19 00-1087	EA		6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,109.38	212.69
			For Class 52 Rating, Deduct	-86.58	
			For Class 54 Rating, Add	59.03	
			For Class 55 Rating, Add	131.21	
40 05 19 00-1088	EA		6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,147.75	215.09
			For Class 52 Rating, Deduct	-90.40	
			For Class 54 Rating, Add	61.64	
			For Class 55 Rating, Add	137.00	
40 05 19 00-1089	EA		6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,186.10	217.48
			For Class 52 Rating, Deduct	-94.23	
			For Class 54 Rating, Add	64.25	
			For Class 55 Rating, Add	142.80	
40 05 19 00-1090	EA		6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,224.46	219.86
			For Class 52 Rating, Deduct	-98.05	
			For Class 54 Rating, Add	66.85	
			For Class 55 Rating, Add	148.59	
40 05 19 00-1091	EA		6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,262.83	222.25
			For Class 52 Rating, Deduct	-101.87	
			For Class 54 Rating, Add	69.46	
			For Class 55 Rating, Add	154.38	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1092	EA		6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,301.19	224.64
			<i>For Class 52 Rating, Deduct</i>	-105.69	
			<i>For Class 54 Rating, Add</i>	72.06	
			<i>For Class 55 Rating, Add</i>	160.17	
40 05 19 00-1093	EA		6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,339.56	227.03
			<i>For Class 52 Rating, Deduct</i>	-109.51	
			<i>For Class 54 Rating, Add</i>	74.67	
			<i>For Class 55 Rating, Add</i>	165.96	
40 05 19 00-1094	EA		6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,377.92	229.42
			<i>For Class 52 Rating, Deduct</i>	-113.33	
			<i>For Class 54 Rating, Add</i>	77.27	
			<i>For Class 55 Rating, Add</i>	171.75	
40 05 19 00-1095	EA		6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,416.28	231.82
			<i>For Class 52 Rating, Deduct</i>	-117.16	
			<i>For Class 54 Rating, Add</i>	79.88	
			<i>For Class 55 Rating, Add</i>	177.54	
40 05 19 00-1096	EA		6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,454.64	234.21
			<i>For Class 52 Rating, Deduct</i>	-120.98	
			<i>For Class 54 Rating, Add</i>	82.48	
			<i>For Class 55 Rating, Add</i>	183.33	
40 05 19 00-1097	EA		6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,493.01	236.58
			<i>For Class 52 Rating, Deduct</i>	-124.80	
			<i>For Class 54 Rating, Add</i>	85.09	
			<i>For Class 55 Rating, Add</i>	189.13	
40 05 19 00-1098	EA		6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,531.38	238.98
			<i>For Class 52 Rating, Deduct</i>	-128.62	
			<i>For Class 54 Rating, Add</i>	87.70	
			<i>For Class 55 Rating, Add</i>	194.92	
40 05 19 00-1099	EA		6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,569.73	241.37
			<i>For Class 52 Rating, Deduct</i>	-132.44	
			<i>For Class 54 Rating, Add</i>	90.30	
			<i>For Class 55 Rating, Add</i>	200.71	
40 05 19 00-1100	EA		6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,608.09	243.76
			<i>For Class 52 Rating, Deduct</i>	-136.26	
			<i>For Class 54 Rating, Add</i>	92.91	
			<i>For Class 55 Rating, Add</i>	206.50	
40 05 19 00-1101	EA		6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,646.46	246.15
			<i>For Class 52 Rating, Deduct</i>	-140.09	
			<i>For Class 54 Rating, Add</i>	95.51	
			<i>For Class 55 Rating, Add</i>	212.29	
40 05 19 00-1102	EA		6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,684.81	248.54
			<i>For Class 52 Rating, Deduct</i>	-143.91	
			<i>For Class 54 Rating, Add</i>	98.12	
			<i>For Class 55 Rating, Add</i>	218.08	
40 05 19 00-1103	EA		6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,723.19	250.94
			<i>For Class 52 Rating, Deduct</i>	-147.73	
			<i>For Class 54 Rating, Add</i>	100.72	
			<i>For Class 55 Rating, Add</i>	223.88	
40 05 19 00-1104	EA		6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,761.55	253.31
			<i>For Class 52 Rating, Deduct</i>	-151.55	
			<i>For Class 54 Rating, Add</i>	103.33	
			<i>For Class 55 Rating, Add</i>	229.67	
40 05 19 00-1105	EA		6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,799.90	255.71
			<i>For Class 52 Rating, Deduct</i>	-155.37	
			<i>For Class 54 Rating, Add</i>	105.94	
			<i>For Class 55 Rating, Add</i>	235.46	
40 05 19 00-1106	EA		6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,838.27	258.10
			<i>For Class 52 Rating, Deduct</i>	-159.19	
			<i>For Class 54 Rating, Add</i>	108.54	
			<i>For Class 55 Rating, Add</i>	241.25	
40 05 19 00-1107	EA		6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,876.63	260.49
			<i>For Class 52 Rating, Deduct</i>	-163.01	
			<i>For Class 54 Rating, Add</i>	111.15	
			<i>For Class 55 Rating, Add</i>	247.04	
40 05 19 00-1108	EA		6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,915.00	262.88
			<i>For Class 52 Rating, Deduct</i>	-166.84	
			<i>For Class 54 Rating, Add</i>	113.75	
			<i>For Class 55 Rating, Add</i>	252.83	

40 05 19 00-1109 8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1110	EA		8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	618.65	219.86
			For Class 52 Rating, Deduct	-31.41	
			For Class 54 Rating, Add	21.41	
			For Class 55 Rating, Add	47.60	
40 05 19 00-1111	EA		8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	670.05	222.25
			For Class 52 Rating, Deduct	-36.66	
			For Class 54 Rating, Add	25.00	
			For Class 55 Rating, Add	55.56	
40 05 19 00-1112	EA		8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	721.43	224.64
			For Class 52 Rating, Deduct	-41.92	
			For Class 54 Rating, Add	28.58	
			For Class 55 Rating, Add	63.52	
40 05 19 00-1113	EA		8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	772.83	227.03
			For Class 52 Rating, Deduct	-47.17	
			For Class 54 Rating, Add	32.16	
			For Class 55 Rating, Add	71.49	
40 05 19 00-1114	EA		8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	824.22	229.42
			For Class 52 Rating, Deduct	-52.43	
			For Class 54 Rating, Add	35.75	
			For Class 55 Rating, Add	79.45	
40 05 19 00-1115	EA		8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	875.61	231.82
			For Class 52 Rating, Deduct	-57.68	
			For Class 54 Rating, Add	39.33	
			For Class 55 Rating, Add	87.41	
40 05 19 00-1116	EA		8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	927.00	234.21
			For Class 52 Rating, Deduct	-62.94	
			For Class 54 Rating, Add	42.91	
			For Class 55 Rating, Add	95.38	
40 05 19 00-1117	EA		8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	978.39	236.58
			For Class 52 Rating, Deduct	-68.19	
			For Class 54 Rating, Add	46.49	
			For Class 55 Rating, Add	103.34	
40 05 19 00-1118	EA		8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,029.79	238.98
			For Class 52 Rating, Deduct	-73.45	
			For Class 54 Rating, Add	50.08	
			For Class 55 Rating, Add	111.30	
40 05 19 00-1119	EA		8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,081.17	241.37
			For Class 52 Rating, Deduct	-78.70	
			For Class 54 Rating, Add	53.66	
			For Class 55 Rating, Add	119.27	
40 05 19 00-1120	EA		8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,132.56	243.76
			For Class 52 Rating, Deduct	-83.96	
			For Class 54 Rating, Add	57.24	
			For Class 55 Rating, Add	127.23	
40 05 19 00-1121	EA		8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,183.96	246.15
			For Class 52 Rating, Deduct	-89.21	
			For Class 54 Rating, Add	60.83	
			For Class 55 Rating, Add	135.19	
40 05 19 00-1122	EA		8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,235.34	248.54
			For Class 52 Rating, Deduct	-94.46	
			For Class 54 Rating, Add	64.41	
			For Class 55 Rating, Add	143.16	
40 05 19 00-1123	EA		8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,286.74	250.94
			For Class 52 Rating, Deduct	-99.72	
			For Class 54 Rating, Add	67.99	
			For Class 55 Rating, Add	151.12	
40 05 19 00-1124	EA		8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,338.13	253.31
			For Class 52 Rating, Deduct	-104.97	
			For Class 54 Rating, Add	71.57	
			For Class 55 Rating, Add	159.08	
40 05 19 00-1125	EA		8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,389.51	255.71
			For Class 52 Rating, Deduct	-110.23	
			For Class 54 Rating, Add	75.16	
			For Class 55 Rating, Add	167.05	
40 05 19 00-1126	EA		8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,440.91	258.10
			For Class 52 Rating, Deduct	-115.48	
			For Class 54 Rating, Add	78.74	
			For Class 55 Rating, Add	175.01	
40 05 19 00-1127	EA		8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,492.30	260.49
			For Class 52 Rating, Deduct	-120.74	
			For Class 54 Rating, Add	82.32	
			For Class 55 Rating, Add	182.97	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1128	EA		8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,543.69	262.88
			For Class 52 Rating, Deduct	-125.99	
			For Class 54 Rating, Add	85.90	
			For Class 55 Rating, Add	190.94	
40 05 19 00-1129	EA		8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,595.08	265.27
			For Class 52 Rating, Deduct	-131.25	
			For Class 54 Rating, Add	89.49	
			For Class 55 Rating, Add	198.90	
40 05 19 00-1130	EA		8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,646.48	267.67
			For Class 52 Rating, Deduct	-136.50	
			For Class 54 Rating, Add	93.07	
			For Class 55 Rating, Add	206.86	
40 05 19 00-1131	EA		8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,697.87	270.04
			For Class 52 Rating, Deduct	-141.76	
			For Class 54 Rating, Add	96.65	
			For Class 55 Rating, Add	214.83	
40 05 19 00-1132	EA		8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,749.25	272.44
			For Class 52 Rating, Deduct	-147.01	
			For Class 54 Rating, Add	100.24	
			For Class 55 Rating, Add	222.79	
40 05 19 00-1133	EA		8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,800.65	274.83
			For Class 52 Rating, Deduct	-152.27	
			For Class 54 Rating, Add	103.82	
			For Class 55 Rating, Add	230.75	
40 05 19 00-1134	EA		8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,852.04	277.22
			For Class 52 Rating, Deduct	-157.52	
			For Class 54 Rating, Add	107.40	
			For Class 55 Rating, Add	238.72	
40 05 19 00-1135	EA		8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,903.43	279.61
			For Class 52 Rating, Deduct	-162.78	
			For Class 54 Rating, Add	110.98	
			For Class 55 Rating, Add	246.68	
40 05 19 00-1136	EA		8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,954.82	282.00
			For Class 52 Rating, Deduct	-168.03	
			For Class 54 Rating, Add	114.57	
			For Class 55 Rating, Add	254.64	
40 05 19 00-1137	EA		8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,006.21	284.40
			For Class 52 Rating, Deduct	-173.29	
			For Class 54 Rating, Add	118.15	
			For Class 55 Rating, Add	262.61	
40 05 19 00-1138	EA		8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,057.60	286.77
			For Class 52 Rating, Deduct	-178.54	
			For Class 54 Rating, Add	121.73	
			For Class 55 Rating, Add	270.57	
40 05 19 00-1139	EA		8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,108.99	289.16
			For Class 52 Rating, Deduct	-183.79	
			For Class 54 Rating, Add	125.31	
			For Class 55 Rating, Add	278.53	
40 05 19 00-1140	EA		8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,160.39	291.56
			For Class 52 Rating, Deduct	-189.05	
			For Class 54 Rating, Add	128.90	
			For Class 55 Rating, Add	286.50	
40 05 19 00-1141	EA		8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,211.77	293.95
			For Class 52 Rating, Deduct	-194.30	
			For Class 54 Rating, Add	132.48	
			For Class 55 Rating, Add	294.46	
40 05 19 00-1142	EA		8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,263.16	296.34
			For Class 52 Rating, Deduct	-199.56	
			For Class 54 Rating, Add	136.06	
			For Class 55 Rating, Add	302.42	
40 05 19 00-1143	EA		8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,314.56	298.73
			For Class 52 Rating, Deduct	-204.81	
			For Class 54 Rating, Add	139.65	
			For Class 55 Rating, Add	310.39	
40 05 19 00-1144	EA		8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,365.94	301.11
			For Class 52 Rating, Deduct	-210.07	
			For Class 54 Rating, Add	143.23	
			For Class 55 Rating, Add	318.35	
40 05 19 00-1145	EA		8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,417.34	303.50
			For Class 52 Rating, Deduct	-215.32	
			For Class 54 Rating, Add	146.81	
			For Class 55 Rating, Add	326.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1146	EA		8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,468.73	305.89
			For Class 52 Rating, Deduct	-220.58	
			For Class 54 Rating, Add	150.39	
			For Class 55 Rating, Add	334.28	
40 05 19 00-1147	EA		8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,520.11	308.29
			For Class 52 Rating, Deduct	-225.83	
			For Class 54 Rating, Add	153.98	
			For Class 55 Rating, Add	342.24	
40 05 19 00-1148	EA		8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,571.51	310.68
			For Class 52 Rating, Deduct	-231.09	
			For Class 54 Rating, Add	157.56	
			For Class 55 Rating, Add	350.20	
<b>40 05 19 00-1149</b>			<b>10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)</b>		
40 05 19 00-1150	EA		10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	773.60	267.67
			For Class 52 Rating, Deduct	-40.49	
			For Class 54 Rating, Add	27.60	
			For Class 55 Rating, Add	61.35	
40 05 19 00-1151	EA		10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	840.19	270.04
			For Class 52 Rating, Deduct	-47.41	
			For Class 54 Rating, Add	32.33	
			For Class 55 Rating, Add	71.85	
40 05 19 00-1152	EA		10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	906.76	272.44
			For Class 52 Rating, Deduct	-54.34	
			For Class 54 Rating, Add	37.05	
			For Class 55 Rating, Add	82.35	
40 05 19 00-1153	EA		10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	973.36	274.83
			For Class 52 Rating, Deduct	-61.26	
			For Class 54 Rating, Add	41.77	
			For Class 55 Rating, Add	92.84	
40 05 19 00-1154	EA		10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,039.95	277.22
			For Class 52 Rating, Deduct	-68.19	
			For Class 54 Rating, Add	46.49	
			For Class 55 Rating, Add	103.34	
40 05 19 00-1155	EA		10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,106.54	279.61
			For Class 52 Rating, Deduct	-75.12	
			For Class 54 Rating, Add	51.22	
			For Class 55 Rating, Add	113.84	
40 05 19 00-1156	EA		10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,173.13	282.00
			For Class 52 Rating, Deduct	-82.04	
			For Class 54 Rating, Add	55.94	
			For Class 55 Rating, Add	124.33	
40 05 19 00-1157	EA		10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,239.72	284.40
			For Class 52 Rating, Deduct	-88.97	
			For Class 54 Rating, Add	60.66	
			For Class 55 Rating, Add	134.83	
40 05 19 00-1158	EA		10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,306.31	286.77
			For Class 52 Rating, Deduct	-95.90	
			For Class 54 Rating, Add	65.39	
			For Class 55 Rating, Add	145.33	
40 05 19 00-1159	EA		10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,372.90	289.16
			For Class 52 Rating, Deduct	-102.82	
			For Class 54 Rating, Add	70.11	
			For Class 55 Rating, Add	155.83	
40 05 19 00-1160	EA		10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,439.50	291.56
			For Class 52 Rating, Deduct	-109.75	
			For Class 54 Rating, Add	74.83	
			For Class 55 Rating, Add	166.32	
40 05 19 00-1161	EA		10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,506.08	293.95
			For Class 52 Rating, Deduct	-116.68	
			For Class 54 Rating, Add	79.55	
			For Class 55 Rating, Add	176.82	
40 05 19 00-1162	EA		10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,572.67	296.34
			For Class 52 Rating, Deduct	-123.60	
			For Class 54 Rating, Add	84.28	
			For Class 55 Rating, Add	187.32	
40 05 19 00-1163	EA		10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,639.27	298.73
			For Class 52 Rating, Deduct	-130.53	
			For Class 54 Rating, Add	89.00	
			For Class 55 Rating, Add	197.81	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1164	EA		10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,705.85	301.11
			For Class 52 Rating, Deduct	-137.46	
			For Class 54 Rating, Add	93.72	
			For Class 55 Rating, Add	208.31	
40 05 19 00-1165	EA		10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,772.45	303.50
			For Class 52 Rating, Deduct	-144.38	
			For Class 54 Rating, Add	98.44	
			For Class 55 Rating, Add	218.81	
40 05 19 00-1166	EA		10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,839.04	305.89
			For Class 52 Rating, Deduct	-151.31	
			For Class 54 Rating, Add	103.17	
			For Class 55 Rating, Add	229.31	
40 05 19 00-1167	EA		10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,905.62	308.29
			For Class 52 Rating, Deduct	-158.24	
			For Class 54 Rating, Add	107.89	
			For Class 55 Rating, Add	239.80	
40 05 19 00-1168	EA		10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,972.22	310.68
			For Class 52 Rating, Deduct	-165.17	
			For Class 54 Rating, Add	112.61	
			For Class 55 Rating, Add	250.30	
40 05 19 00-1169	EA		10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,038.80	313.07
			For Class 52 Rating, Deduct	-172.09	
			For Class 54 Rating, Add	117.33	
			For Class 55 Rating, Add	260.80	
40 05 19 00-1170	EA		10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,105.40	315.46
			For Class 52 Rating, Deduct	-179.02	
			For Class 54 Rating, Add	122.06	
			For Class 55 Rating, Add	271.29	
40 05 19 00-1171	EA		10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,171.98	317.84
			For Class 52 Rating, Deduct	-185.94	
			For Class 54 Rating, Add	126.78	
			For Class 55 Rating, Add	281.79	
40 05 19 00-1172	EA		10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,238.57	320.23
			For Class 52 Rating, Deduct	-192.87	
			For Class 54 Rating, Add	131.50	
			For Class 55 Rating, Add	292.29	
40 05 19 00-1173	EA		10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,305.17	322.62
			For Class 52 Rating, Deduct	-199.80	
			For Class 54 Rating, Add	136.23	
			For Class 55 Rating, Add	302.78	
40 05 19 00-1174	EA		10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,371.75	325.02
			For Class 52 Rating, Deduct	-206.72	
			For Class 54 Rating, Add	140.95	
			For Class 55 Rating, Add	313.28	
40 05 19 00-1175	EA		10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,438.35	327.41
			For Class 52 Rating, Deduct	-213.65	
			For Class 54 Rating, Add	145.67	
			For Class 55 Rating, Add	323.78	
40 05 19 00-1176	EA		10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,504.94	329.79
			For Class 52 Rating, Deduct	-220.58	
			For Class 54 Rating, Add	150.39	
			For Class 55 Rating, Add	334.28	
40 05 19 00-1177	EA		10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,571.53	332.19
			For Class 52 Rating, Deduct	-227.50	
			For Class 54 Rating, Add	155.12	
			For Class 55 Rating, Add	344.77	
40 05 19 00-1178	EA		10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,638.12	334.57
			For Class 52 Rating, Deduct	-234.43	
			For Class 54 Rating, Add	159.84	
			For Class 55 Rating, Add	355.27	
40 05 19 00-1179	EA		10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,704.71	336.97
			For Class 52 Rating, Deduct	-241.36	
			For Class 54 Rating, Add	164.56	
			For Class 55 Rating, Add	365.77	
40 05 19 00-1180	EA		10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,771.30	339.35
			For Class 52 Rating, Deduct	-248.28	
			For Class 54 Rating, Add	169.28	
			For Class 55 Rating, Add	376.26	
40 05 19 00-1181	EA		10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,837.89	341.74
			For Class 52 Rating, Deduct	-255.21	
			For Class 54 Rating, Add	174.01	
			For Class 55 Rating, Add	386.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1182	EA		10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,904.49	344.14
			For Class 52 Rating, Deduct	-262.14	
			For Class 54 Rating, Add	178.73	
			For Class 55 Rating, Add	397.26	
40 05 19 00-1183	EA		10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,971.07	346.52
			For Class 52 Rating, Deduct	-269.06	
			For Class 54 Rating, Add	183.45	
			For Class 55 Rating, Add	407.75	
40 05 19 00-1184	EA		10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,037.66	348.91
			For Class 52 Rating, Deduct	-275.99	
			For Class 54 Rating, Add	188.18	
			For Class 55 Rating, Add	418.25	
40 05 19 00-1185	EA		10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,104.26	351.30
			For Class 52 Rating, Deduct	-282.92	
			For Class 54 Rating, Add	192.90	
			For Class 55 Rating, Add	428.75	
40 05 19 00-1186	EA		10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,170.85	353.69
			For Class 52 Rating, Deduct	-289.84	
			For Class 54 Rating, Add	197.62	
			For Class 55 Rating, Add	439.25	
40 05 19 00-1187	EA		10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,237.43	356.08
			For Class 52 Rating, Deduct	-296.77	
			For Class 54 Rating, Add	202.34	
			For Class 55 Rating, Add	449.74	
40 05 19 00-1188	EA		10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,304.02	358.47
			For Class 52 Rating, Deduct	-303.70	
			For Class 54 Rating, Add	207.07	
			For Class 55 Rating, Add	460.24	
<b>40 05 19 00-1189</b>			<b>12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b>		
			<small>(40 05 19 00-1028)</small>		
40 05 19 00-1190	EA		12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	997.66	334.57
			For Class 52 Rating, Deduct	-53.98	
			For Class 54 Rating, Add	36.80	
			For Class 55 Rating, Add	81.80	
40 05 19 00-1191	EA		12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,080.53	336.97
			For Class 52 Rating, Deduct	-62.70	
			For Class 54 Rating, Add	42.75	
			For Class 55 Rating, Add	95.02	
40 05 19 00-1192	EA		12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,163.41	339.35
			For Class 52 Rating, Deduct	-71.42	
			For Class 54 Rating, Add	48.69	
			For Class 55 Rating, Add	108.23	
40 05 19 00-1193	EA		12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,246.28	341.74
			For Class 52 Rating, Deduct	-80.13	
			For Class 54 Rating, Add	54.64	
			For Class 55 Rating, Add	121.44	
40 05 19 00-1194	EA		12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,329.17	344.14
			For Class 52 Rating, Deduct	-88.85	
			For Class 54 Rating, Add	60.58	
			For Class 55 Rating, Add	134.65	
40 05 19 00-1195	EA		12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,412.03	346.52
			For Class 52 Rating, Deduct	-97.57	
			For Class 54 Rating, Add	66.53	
			For Class 55 Rating, Add	147.86	
40 05 19 00-1196	EA		12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,494.91	348.91
			For Class 52 Rating, Deduct	-106.29	
			For Class 54 Rating, Add	72.47	
			For Class 55 Rating, Add	161.08	
40 05 19 00-1197	EA		12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,577.79	351.30
			For Class 52 Rating, Deduct	-115.01	
			For Class 54 Rating, Add	78.41	
			For Class 55 Rating, Add	174.29	
40 05 19 00-1198	EA		12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,660.66	353.69
			For Class 52 Rating, Deduct	-123.72	
			For Class 54 Rating, Add	84.36	
			For Class 55 Rating, Add	187.50	
40 05 19 00-1199	EA		12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,743.54	356.08
			For Class 52 Rating, Deduct	-132.44	
			For Class 54 Rating, Add	90.30	
			For Class 55 Rating, Add	200.71	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1200	EA		12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,826.41	358.47
			For Class 52 Rating, Deduct	-141.16	
			For Class 54 Rating, Add	96.25	
			For Class 55 Rating, Add	213.92	
40 05 19 00-1201	EA		12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,909.29	360.87
			For Class 52 Rating, Deduct	-149.88	
			For Class 54 Rating, Add	102.19	
			For Class 55 Rating, Add	227.13	
40 05 19 00-1202	EA		12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,992.16	363.25
			For Class 52 Rating, Deduct	-158.60	
			For Class 54 Rating, Add	108.13	
			For Class 55 Rating, Add	240.34	
40 05 19 00-1203	EA		12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,075.04	365.63
			For Class 52 Rating, Deduct	-167.31	
			For Class 54 Rating, Add	114.08	
			For Class 55 Rating, Add	253.56	
40 05 19 00-1204	EA		12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,157.92	368.03
			For Class 52 Rating, Deduct	-176.03	
			For Class 54 Rating, Add	120.02	
			For Class 55 Rating, Add	266.77	
40 05 19 00-1205	EA		12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,240.79	370.42
			For Class 52 Rating, Deduct	-184.75	
			For Class 54 Rating, Add	125.97	
			For Class 55 Rating, Add	279.98	
40 05 19 00-1206	EA		12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,323.66	372.81
			For Class 52 Rating, Deduct	-193.47	
			For Class 54 Rating, Add	131.91	
			For Class 55 Rating, Add	293.19	
40 05 19 00-1207	EA		12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,406.55	375.20
			For Class 52 Rating, Deduct	-202.19	
			For Class 54 Rating, Add	137.85	
			For Class 55 Rating, Add	306.40	
40 05 19 00-1208	EA		12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,489.41	377.59
			For Class 52 Rating, Deduct	-210.90	
			For Class 54 Rating, Add	143.80	
			For Class 55 Rating, Add	319.62	
40 05 19 00-1209	EA		12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,572.30	379.98
			For Class 52 Rating, Deduct	-219.62	
			For Class 54 Rating, Add	149.74	
			For Class 55 Rating, Add	332.83	
40 05 19 00-1210	EA		12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,655.17	382.36
			For Class 52 Rating, Deduct	-228.34	
			For Class 54 Rating, Add	155.69	
			For Class 55 Rating, Add	346.04	
40 05 19 00-1211	EA		12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,738.03	384.76
			For Class 52 Rating, Deduct	-237.06	
			For Class 54 Rating, Add	161.63	
			For Class 55 Rating, Add	359.25	
40 05 19 00-1212	EA		12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,820.92	387.15
			For Class 52 Rating, Deduct	-245.78	
			For Class 54 Rating, Add	167.57	
			For Class 55 Rating, Add	372.46	
40 05 19 00-1213	EA		12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,903.79	389.54
			For Class 52 Rating, Deduct	-254.49	
			For Class 54 Rating, Add	173.52	
			For Class 55 Rating, Add	385.67	
40 05 19 00-1214	EA		12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,986.67	391.93
			For Class 52 Rating, Deduct	-263.21	
			For Class 54 Rating, Add	179.46	
			For Class 55 Rating, Add	398.89	
40 05 19 00-1215	EA		12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,069.54	394.32
			For Class 52 Rating, Deduct	-271.93	
			For Class 54 Rating, Add	185.41	
			For Class 55 Rating, Add	412.10	
40 05 19 00-1216	EA		12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,152.42	396.72
			For Class 52 Rating, Deduct	-280.65	
			For Class 54 Rating, Add	191.35	
			For Class 55 Rating, Add	425.31	
40 05 19 00-1217	EA		12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,235.30	399.09
			For Class 52 Rating, Deduct	-289.37	
			For Class 54 Rating, Add	197.30	
			For Class 55 Rating, Add	438.52	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1218	EA		12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,318.17	401.49
			<i>For Class 52 Rating, Deduct</i>	-298.08	
			<i>For Class 54 Rating, Add</i>	203.24	
			<i>For Class 55 Rating, Add</i>	451.73	
40 05 19 00-1219	EA		12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,401.05	403.88
			<i>For Class 52 Rating, Deduct</i>	-306.80	
			<i>For Class 54 Rating, Add</i>	209.18	
			<i>For Class 55 Rating, Add</i>	464.94	
40 05 19 00-1220	EA		12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,483.93	406.26
			<i>For Class 52 Rating, Deduct</i>	-315.52	
			<i>For Class 54 Rating, Add</i>	215.13	
			<i>For Class 55 Rating, Add</i>	478.16	
40 05 19 00-1221	EA		12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,566.80	408.66
			<i>For Class 52 Rating, Deduct</i>	-324.24	
			<i>For Class 54 Rating, Add</i>	221.07	
			<i>For Class 55 Rating, Add</i>	491.37	
40 05 19 00-1222	EA		12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,649.68	411.05
			<i>For Class 52 Rating, Deduct</i>	-332.96	
			<i>For Class 54 Rating, Add</i>	227.02	
			<i>For Class 55 Rating, Add</i>	504.58	
40 05 19 00-1223	EA		12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,732.55	413.45
			<i>For Class 52 Rating, Deduct</i>	-341.67	
			<i>For Class 54 Rating, Add</i>	232.96	
			<i>For Class 55 Rating, Add</i>	517.79	
40 05 19 00-1224	EA		12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,815.43	415.82
			<i>For Class 52 Rating, Deduct</i>	-350.39	
			<i>For Class 54 Rating, Add</i>	238.90	
			<i>For Class 55 Rating, Add</i>	531.00	
40 05 19 00-1225	EA		12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,898.30	418.21
			<i>For Class 52 Rating, Deduct</i>	-359.11	
			<i>For Class 54 Rating, Add</i>	244.85	
			<i>For Class 55 Rating, Add</i>	544.22	
40 05 19 00-1226	EA		12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,981.18	420.61
			<i>For Class 52 Rating, Deduct</i>	-367.83	
			<i>For Class 54 Rating, Add</i>	250.79	
			<i>For Class 55 Rating, Add</i>	557.43	
40 05 19 00-1227	EA		12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,064.05	422.99
			<i>For Class 52 Rating, Deduct</i>	-376.55	
			<i>For Class 54 Rating, Add</i>	256.74	
			<i>For Class 55 Rating, Add</i>	570.64	
40 05 19 00-1228	EA		12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,146.92	425.39
			<i>For Class 52 Rating, Deduct</i>	-385.26	
			<i>For Class 54 Rating, Add</i>	262.68	
			<i>For Class 55 Rating, Add</i>	583.85	
<b>40 05 19 00-1229</b>			<b>14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1230	EA		14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,308.57	401.49
			<i>For Class 52 Rating, Deduct</i>	-77.03	
			<i>For Class 54 Rating, Add</i>	52.52	
			<i>For Class 55 Rating, Add</i>	116.73	
40 05 19 00-1231	EA		14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,408.83	403.88
			<i>For Class 52 Rating, Deduct</i>	-87.66	
			<i>For Class 54 Rating, Add</i>	59.77	
			<i>For Class 55 Rating, Add</i>	132.84	
40 05 19 00-1232	EA		14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,509.07	406.26
			<i>For Class 52 Rating, Deduct</i>	-98.29	
			<i>For Class 54 Rating, Add</i>	67.01	
			<i>For Class 55 Rating, Add</i>	148.95	
40 05 19 00-1233	EA		14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,609.32	408.66
			<i>For Class 52 Rating, Deduct</i>	-108.92	
			<i>For Class 54 Rating, Add</i>	74.26	
			<i>For Class 55 Rating, Add</i>	165.06	
40 05 19 00-1234	EA		14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,709.57	411.05
			<i>For Class 52 Rating, Deduct</i>	-119.54	
			<i>For Class 54 Rating, Add</i>	81.51	
			<i>For Class 55 Rating, Add</i>	181.16	
40 05 19 00-1235	EA		14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,809.81	413.45
			<i>For Class 52 Rating, Deduct</i>	-130.17	
			<i>For Class 54 Rating, Add</i>	88.75	
			<i>For Class 55 Rating, Add</i>	197.27	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1236	EA		14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,910.06	415.82
			For Class 52 Rating, Deduct	-140.80	
			For Class 54 Rating, Add	96.00	
			For Class 55 Rating, Add	213.38	
40 05 19 00-1237	EA		14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,010.30	418.21
			For Class 52 Rating, Deduct	-151.43	
			For Class 54 Rating, Add	103.25	
			For Class 55 Rating, Add	229.49	
40 05 19 00-1238	EA		14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,110.56	420.61
			For Class 52 Rating, Deduct	-162.06	
			For Class 54 Rating, Add	110.50	
			For Class 55 Rating, Add	245.59	
40 05 19 00-1239	EA		14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,210.79	422.99
			For Class 52 Rating, Deduct	-172.69	
			For Class 54 Rating, Add	117.74	
			For Class 55 Rating, Add	261.70	
40 05 19 00-1240	EA		14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,311.04	425.39
			For Class 52 Rating, Deduct	-183.32	
			For Class 54 Rating, Add	124.99	
			For Class 55 Rating, Add	277.81	
40 05 19 00-1241	EA		14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,411.29	427.78
			For Class 52 Rating, Deduct	-193.95	
			For Class 54 Rating, Add	132.24	
			For Class 55 Rating, Add	293.92	
40 05 19 00-1242	EA		14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,511.53	430.17
			For Class 52 Rating, Deduct	-204.57	
			For Class 54 Rating, Add	139.48	
			For Class 55 Rating, Add	310.02	
40 05 19 00-1243	EA		14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,611.79	432.55
			For Class 52 Rating, Deduct	-215.20	
			For Class 54 Rating, Add	146.73	
			For Class 55 Rating, Add	326.13	
40 05 19 00-1244	EA		14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,712.03	434.94
			For Class 52 Rating, Deduct	-225.83	
			For Class 54 Rating, Add	153.98	
			For Class 55 Rating, Add	342.24	
40 05 19 00-1245	EA		14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,812.28	437.34
			For Class 52 Rating, Deduct	-236.46	
			For Class 54 Rating, Add	161.22	
			For Class 55 Rating, Add	358.35	
40 05 19 00-1246	EA		14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,912.52	439.72
			For Class 52 Rating, Deduct	-247.09	
			For Class 54 Rating, Add	168.47	
			For Class 55 Rating, Add	374.45	
40 05 19 00-1247	EA		14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,012.77	442.12
			For Class 52 Rating, Deduct	-257.72	
			For Class 54 Rating, Add	175.72	
			For Class 55 Rating, Add	390.56	
40 05 19 00-1248	EA		14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,113.02	444.51
			For Class 52 Rating, Deduct	-268.35	
			For Class 54 Rating, Add	182.96	
			For Class 55 Rating, Add	406.67	
40 05 19 00-1249	EA		14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,213.26	446.90
			For Class 52 Rating, Deduct	-278.98	
			For Class 54 Rating, Add	190.21	
			For Class 55 Rating, Add	422.78	
40 05 19 00-1250	EA		14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,313.50	449.28
			For Class 52 Rating, Deduct	-289.60	
			For Class 54 Rating, Add	197.46	
			For Class 55 Rating, Add	438.88	
40 05 19 00-1251	EA		14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,413.76	451.67
			For Class 52 Rating, Deduct	-300.23	
			For Class 54 Rating, Add	204.71	
			For Class 55 Rating, Add	454.99	
40 05 19 00-1252	EA		14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,513.99	454.07
			For Class 52 Rating, Deduct	-310.86	
			For Class 54 Rating, Add	211.95	
			For Class 55 Rating, Add	471.10	
40 05 19 00-1253	EA		14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,614.25	456.46
			For Class 52 Rating, Deduct	-321.49	
			For Class 54 Rating, Add	219.20	
			For Class 55 Rating, Add	487.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1254	EA		14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,714.50	458.84
			<i>For Class 52 Rating, Deduct</i>	-332.12	
			<i>For Class 54 Rating, Add</i>	226.45	
			<i>For Class 55 Rating, Add</i>	503.31	
40 05 19 00-1255	EA		14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,814.73	461.24
			<i>For Class 52 Rating, Deduct</i>	-342.75	
			<i>For Class 54 Rating, Add</i>	233.69	
			<i>For Class 55 Rating, Add</i>	519.42	
40 05 19 00-1256	EA		14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,914.99	463.62
			<i>For Class 52 Rating, Deduct</i>	-353.38	
			<i>For Class 54 Rating, Add</i>	240.94	
			<i>For Class 55 Rating, Add</i>	535.53	
40 05 19 00-1257	EA		14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,015.23	466.01
			<i>For Class 52 Rating, Deduct</i>	-364.01	
			<i>For Class 54 Rating, Add</i>	248.19	
			<i>For Class 55 Rating, Add</i>	551.64	
40 05 19 00-1258	EA		14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,115.48	468.40
			<i>For Class 52 Rating, Deduct</i>	-374.64	
			<i>For Class 54 Rating, Add</i>	255.43	
			<i>For Class 55 Rating, Add</i>	567.74	
40 05 19 00-1259	EA		14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,215.72	470.79
			<i>For Class 52 Rating, Deduct</i>	-385.26	
			<i>For Class 54 Rating, Add</i>	262.68	
			<i>For Class 55 Rating, Add</i>	583.85	
40 05 19 00-1260	EA		14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,315.97	473.19
			<i>For Class 52 Rating, Deduct</i>	-395.89	
			<i>For Class 54 Rating, Add</i>	269.93	
			<i>For Class 55 Rating, Add</i>	599.96	
40 05 19 00-1261	EA		14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,416.22	475.57
			<i>For Class 52 Rating, Deduct</i>	-406.52	
			<i>For Class 54 Rating, Add</i>	277.17	
			<i>For Class 55 Rating, Add</i>	616.06	
40 05 19 00-1262	EA		14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,516.46	477.97
			<i>For Class 52 Rating, Deduct</i>	-417.15	
			<i>For Class 54 Rating, Add</i>	284.42	
			<i>For Class 55 Rating, Add</i>	632.17	
40 05 19 00-1263	EA		14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,616.72	480.35
			<i>For Class 52 Rating, Deduct</i>	-427.78	
			<i>For Class 54 Rating, Add</i>	291.67	
			<i>For Class 55 Rating, Add</i>	648.28	
40 05 19 00-1264	EA		14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,716.96	482.74
			<i>For Class 52 Rating, Deduct</i>	-438.41	
			<i>For Class 54 Rating, Add</i>	298.91	
			<i>For Class 55 Rating, Add</i>	664.39	
40 05 19 00-1265	EA		14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,817.21	485.13
			<i>For Class 52 Rating, Deduct</i>	-449.04	
			<i>For Class 54 Rating, Add</i>	306.16	
			<i>For Class 55 Rating, Add</i>	680.50	
40 05 19 00-1266	EA		14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,917.45	487.52
			<i>For Class 52 Rating, Deduct</i>	-459.67	
			<i>For Class 54 Rating, Add</i>	313.41	
			<i>For Class 55 Rating, Add</i>	696.60	
40 05 19 00-1267	EA		14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,017.70	489.92
			<i>For Class 52 Rating, Deduct</i>	-470.30	
			<i>For Class 54 Rating, Add</i>	320.66	
			<i>For Class 55 Rating, Add</i>	712.71	
40 05 19 00-1268			<b>16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1269	EA		16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,523.59	458.84
			<i>For Class 52 Rating, Deduct</i>	-91.12	
			<i>For Class 54 Rating, Add</i>	62.13	
			<i>For Class 55 Rating, Add</i>	138.09	
40 05 19 00-1270	EA		16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,640.11	461.24
			<i>For Class 52 Rating, Deduct</i>	-103.54	
			<i>For Class 54 Rating, Add</i>	70.60	
			<i>For Class 55 Rating, Add</i>	156.91	
40 05 19 00-1271	EA		16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,756.66	463.62
			<i>For Class 52 Rating, Deduct</i>	-115.96	
			<i>For Class 54 Rating, Add</i>	79.07	
			<i>For Class 55 Rating, Add</i>	175.74	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1272	EA		16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,873.19	466.01
			For Class 52 Rating, Deduct	-128.38	
			For Class 54 Rating, Add	87.53	
			For Class 55 Rating, Add	194.56	
40 05 19 00-1273	EA		16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,989.72	468.40
			For Class 52 Rating, Deduct	-140.80	
			For Class 54 Rating, Add	96.00	
			For Class 55 Rating, Add	213.38	
40 05 19 00-1274	EA		16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,106.25	470.79
			For Class 52 Rating, Deduct	-153.22	
			For Class 54 Rating, Add	104.47	
			For Class 55 Rating, Add	232.20	
40 05 19 00-1275	EA		16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,222.78	473.19
			For Class 52 Rating, Deduct	-165.64	
			For Class 54 Rating, Add	112.94	
			For Class 55 Rating, Add	251.02	
40 05 19 00-1276	EA		16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,339.32	475.57
			For Class 52 Rating, Deduct	-178.06	
			For Class 54 Rating, Add	121.41	
			For Class 55 Rating, Add	269.85	
40 05 19 00-1277	EA		16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,455.84	477.97
			For Class 52 Rating, Deduct	-190.48	
			For Class 54 Rating, Add	129.87	
			For Class 55 Rating, Add	288.67	
40 05 19 00-1278	EA		16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,572.38	480.35
			For Class 52 Rating, Deduct	-202.90	
			For Class 54 Rating, Add	138.34	
			For Class 55 Rating, Add	307.49	
40 05 19 00-1279	EA		16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,688.91	482.74
			For Class 52 Rating, Deduct	-215.32	
			For Class 54 Rating, Add	146.81	
			For Class 55 Rating, Add	326.31	
40 05 19 00-1280	EA		16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,805.44	485.13
			For Class 52 Rating, Deduct	-227.74	
			For Class 54 Rating, Add	155.28	
			For Class 55 Rating, Add	345.13	
40 05 19 00-1281	EA		16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,921.97	487.52
			For Class 52 Rating, Deduct	-240.16	
			For Class 54 Rating, Add	163.75	
			For Class 55 Rating, Add	363.96	
40 05 19 00-1282	EA		16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,038.50	489.92
			For Class 52 Rating, Deduct	-252.58	
			For Class 54 Rating, Add	172.22	
			For Class 55 Rating, Add	382.78	
40 05 19 00-1283	EA		16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,155.03	492.30
			For Class 52 Rating, Deduct	-265.00	
			For Class 54 Rating, Add	180.68	
			For Class 55 Rating, Add	401.60	
40 05 19 00-1284	EA		16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,271.56	494.70
			For Class 52 Rating, Deduct	-277.42	
			For Class 54 Rating, Add	189.15	
			For Class 55 Rating, Add	420.42	
40 05 19 00-1285	EA		16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,388.11	497.08
			For Class 52 Rating, Deduct	-289.84	
			For Class 54 Rating, Add	197.62	
			For Class 55 Rating, Add	439.25	
40 05 19 00-1286	EA		16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,504.63	499.46
			For Class 52 Rating, Deduct	-302.26	
			For Class 54 Rating, Add	206.09	
			For Class 55 Rating, Add	458.07	
40 05 19 00-1287	EA		16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,621.16	501.86
			For Class 52 Rating, Deduct	-314.68	
			For Class 54 Rating, Add	214.56	
			For Class 55 Rating, Add	476.89	
40 05 19 00-1288	EA		16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,737.70	504.25
			For Class 52 Rating, Deduct	-327.10	
			For Class 54 Rating, Add	223.03	
			For Class 55 Rating, Add	495.71	
40 05 19 00-1289	EA		16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,854.22	506.65
			For Class 52 Rating, Deduct	-339.52	
			For Class 54 Rating, Add	231.49	
			For Class 55 Rating, Add	514.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1290	EA		16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,970.76	509.03
			<i>For Class 52 Rating, Deduct</i>	-351.95	
			<i>For Class 54 Rating, Add</i>	239.96	
			<i>For Class 55 Rating, Add</i>	533.36	
40 05 19 00-1291	EA		16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,087.29	511.41
			<i>For Class 52 Rating, Deduct</i>	-364.37	
			<i>For Class 54 Rating, Add</i>	248.43	
			<i>For Class 55 Rating, Add</i>	552.18	
40 05 19 00-1292	EA		16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,203.81	513.81
			<i>For Class 52 Rating, Deduct</i>	-376.79	
			<i>For Class 54 Rating, Add</i>	256.90	
			<i>For Class 55 Rating, Add</i>	571.00	
40 05 19 00-1293	EA		16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,320.35	516.20
			<i>For Class 52 Rating, Deduct</i>	-389.21	
			<i>For Class 54 Rating, Add</i>	265.37	
			<i>For Class 55 Rating, Add</i>	589.82	
40 05 19 00-1294	EA		16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,436.88	518.59
			<i>For Class 52 Rating, Deduct</i>	-401.63	
			<i>For Class 54 Rating, Add</i>	273.84	
			<i>For Class 55 Rating, Add</i>	608.65	
40 05 19 00-1295	EA		16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,553.42	520.98
			<i>For Class 52 Rating, Deduct</i>	-414.05	
			<i>For Class 54 Rating, Add</i>	282.30	
			<i>For Class 55 Rating, Add</i>	627.47	
40 05 19 00-1296	EA		16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,669.94	523.37
			<i>For Class 52 Rating, Deduct</i>	-426.47	
			<i>For Class 54 Rating, Add</i>	290.77	
			<i>For Class 55 Rating, Add</i>	646.29	
40 05 19 00-1297	EA		16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,786.47	525.76
			<i>For Class 52 Rating, Deduct</i>	-438.89	
			<i>For Class 54 Rating, Add</i>	299.24	
			<i>For Class 55 Rating, Add</i>	665.11	
40 05 19 00-1298	EA		16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,903.01	528.14
			<i>For Class 52 Rating, Deduct</i>	-451.31	
			<i>For Class 54 Rating, Add</i>	307.71	
			<i>For Class 55 Rating, Add</i>	683.93	
40 05 19 00-1299	EA		16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,019.54	530.54
			<i>For Class 52 Rating, Deduct</i>	-463.73	
			<i>For Class 54 Rating, Add</i>	316.18	
			<i>For Class 55 Rating, Add</i>	702.76	
40 05 19 00-1300	EA		16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,136.08	532.93
			<i>For Class 52 Rating, Deduct</i>	-476.15	
			<i>For Class 54 Rating, Add</i>	324.65	
			<i>For Class 55 Rating, Add</i>	721.58	
40 05 19 00-1301	EA		16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,252.61	535.31
			<i>For Class 52 Rating, Deduct</i>	-488.57	
			<i>For Class 54 Rating, Add</i>	333.11	
			<i>For Class 55 Rating, Add</i>	740.40	
40 05 19 00-1302	EA		16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,369.13	537.71
			<i>For Class 52 Rating, Deduct</i>	-500.99	
			<i>For Class 54 Rating, Add</i>	341.58	
			<i>For Class 55 Rating, Add</i>	759.22	
40 05 19 00-1303	EA		16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,485.67	540.10
			<i>For Class 52 Rating, Deduct</i>	-513.41	
			<i>For Class 54 Rating, Add</i>	350.05	
			<i>For Class 55 Rating, Add</i>	778.05	
40 05 19 00-1304	EA		16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,602.20	542.49
			<i>For Class 52 Rating, Deduct</i>	-525.83	
			<i>For Class 54 Rating, Add</i>	358.52	
			<i>For Class 55 Rating, Add</i>	796.87	
40 05 19 00-1305	EA		16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,718.73	544.87
			<i>For Class 52 Rating, Deduct</i>	-538.25	
			<i>For Class 54 Rating, Add</i>	366.99	
			<i>For Class 55 Rating, Add</i>	815.69	
40 05 19 00-1306	EA		16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,835.26	547.27
			<i>For Class 52 Rating, Deduct</i>	-550.67	
			<i>For Class 54 Rating, Add</i>	375.46	
			<i>For Class 55 Rating, Add</i>	834.51	
40 05 19 00-1307			18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1308	EA		18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,755.25	517.16
			For Class 52 Rating, Deduct	-106.88	
			For Class 54 Rating, Add	72.88	
			For Class 55 Rating, Add	161.98	
40 05 19 00-1309	EA		18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,889.16	519.55
			For Class 52 Rating, Deduct	-121.22	
			For Class 54 Rating, Add	82.65	
			For Class 55 Rating, Add	183.70	
40 05 19 00-1310	EA		18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,023.06	521.94
			For Class 52 Rating, Deduct	-135.55	
			For Class 54 Rating, Add	92.42	
			For Class 55 Rating, Add	205.42	
40 05 19 00-1311	EA		18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,156.97	524.33
			For Class 52 Rating, Deduct	-149.88	
			For Class 54 Rating, Add	102.19	
			For Class 55 Rating, Add	227.13	
40 05 19 00-1312	EA		18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,290.86	526.71
			For Class 52 Rating, Deduct	-164.21	
			For Class 54 Rating, Add	111.96	
			For Class 55 Rating, Add	248.85	
40 05 19 00-1313	EA		18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,424.77	529.10
			For Class 52 Rating, Deduct	-178.54	
			For Class 54 Rating, Add	121.73	
			For Class 55 Rating, Add	270.57	
40 05 19 00-1314	EA		18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,558.67	531.49
			For Class 52 Rating, Deduct	-192.87	
			For Class 54 Rating, Add	131.50	
			For Class 55 Rating, Add	292.29	
40 05 19 00-1315	EA		18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,692.56	533.89
			For Class 52 Rating, Deduct	-207.20	
			For Class 54 Rating, Add	141.27	
			For Class 55 Rating, Add	314.00	
40 05 19 00-1316	EA		18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,826.48	536.28
			For Class 52 Rating, Deduct	-221.53	
			For Class 54 Rating, Add	151.05	
			For Class 55 Rating, Add	335.72	
40 05 19 00-1317	EA		18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,960.38	538.66
			For Class 52 Rating, Deduct	-235.86	
			For Class 54 Rating, Add	160.82	
			For Class 55 Rating, Add	357.44	
40 05 19 00-1318	EA		18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,094.28	541.05
			For Class 52 Rating, Deduct	-250.20	
			For Class 54 Rating, Add	170.59	
			For Class 55 Rating, Add	379.16	
40 05 19 00-1319	EA		18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,228.18	543.44
			For Class 52 Rating, Deduct	-264.53	
			For Class 54 Rating, Add	180.36	
			For Class 55 Rating, Add	400.88	
40 05 19 00-1320	EA		18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,362.08	545.83
			For Class 52 Rating, Deduct	-278.86	
			For Class 54 Rating, Add	190.13	
			For Class 55 Rating, Add	422.59	
40 05 19 00-1321	EA		18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,495.98	548.22
			For Class 52 Rating, Deduct	-293.19	
			For Class 54 Rating, Add	199.90	
			For Class 55 Rating, Add	444.31	
40 05 19 00-1322	EA		18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,629.89	550.61
			For Class 52 Rating, Deduct	-307.52	
			For Class 54 Rating, Add	209.67	
			For Class 55 Rating, Add	466.03	
40 05 19 00-1323	EA		18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,763.80	553.01
			For Class 52 Rating, Deduct	-321.85	
			For Class 54 Rating, Add	219.44	
			For Class 55 Rating, Add	487.75	
40 05 19 00-1324	EA		18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,897.69	555.39
			For Class 52 Rating, Deduct	-336.18	
			For Class 54 Rating, Add	229.21	
			For Class 55 Rating, Add	509.47	
40 05 19 00-1325	EA		18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,031.59	557.78
			For Class 52 Rating, Deduct	-350.51	
			For Class 54 Rating, Add	238.99	
			For Class 55 Rating, Add	531.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1326	EA		18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,165.50	560.17
			For Class 52 Rating, Deduct	-364.84	
			For Class 54 Rating, Add	248.76	
			For Class 55 Rating, Add	552.90	
40 05 19 00-1327	EA		18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,299.40	562.56
			For Class 52 Rating, Deduct	-379.17	
			For Class 54 Rating, Add	258.53	
			For Class 55 Rating, Add	574.62	
40 05 19 00-1328	EA		18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,433.31	564.95
			For Class 52 Rating, Deduct	-393.51	
			For Class 54 Rating, Add	268.30	
			For Class 55 Rating, Add	596.34	
40 05 19 00-1329	EA		18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,567.21	567.34
			For Class 52 Rating, Deduct	-407.84	
			For Class 54 Rating, Add	278.07	
			For Class 55 Rating, Add	618.06	
40 05 19 00-1330	EA		18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,701.12	569.74
			For Class 52 Rating, Deduct	-422.17	
			For Class 54 Rating, Add	287.84	
			For Class 55 Rating, Add	639.77	
40 05 19 00-1331	EA		18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,835.01	572.12
			For Class 52 Rating, Deduct	-436.50	
			For Class 54 Rating, Add	297.61	
			For Class 55 Rating, Add	661.49	
40 05 19 00-1332	EA		18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,968.91	574.51
			For Class 52 Rating, Deduct	-450.83	
			For Class 54 Rating, Add	307.38	
			For Class 55 Rating, Add	683.21	
40 05 19 00-1333	EA		18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,102.82	576.90
			For Class 52 Rating, Deduct	-465.16	
			For Class 54 Rating, Add	317.15	
			For Class 55 Rating, Add	704.93	
40 05 19 00-1334	EA		18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,236.72	579.29
			For Class 52 Rating, Deduct	-479.49	
			For Class 54 Rating, Add	326.93	
			For Class 55 Rating, Add	726.65	
40 05 19 00-1335	EA		18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,370.63	581.68
			For Class 52 Rating, Deduct	-493.82	
			For Class 54 Rating, Add	336.70	
			For Class 55 Rating, Add	748.36	
40 05 19 00-1336	EA		18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,504.53	584.07
			For Class 52 Rating, Deduct	-508.15	
			For Class 54 Rating, Add	346.47	
			For Class 55 Rating, Add	770.08	
40 05 19 00-1337	EA		18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,638.42	586.47
			For Class 52 Rating, Deduct	-522.48	
			For Class 54 Rating, Add	356.24	
			For Class 55 Rating, Add	791.80	
40 05 19 00-1338	EA		18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,772.33	588.84
			For Class 52 Rating, Deduct	-536.81	
			For Class 54 Rating, Add	366.01	
			For Class 55 Rating, Add	813.52	
40 05 19 00-1339	EA		18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,906.23	591.23
			For Class 52 Rating, Deduct	-551.15	
			For Class 54 Rating, Add	375.78	
			For Class 55 Rating, Add	835.24	
40 05 19 00-1340	EA		18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,040.13	593.63
			For Class 52 Rating, Deduct	-565.48	
			For Class 54 Rating, Add	385.55	
			For Class 55 Rating, Add	856.95	
40 05 19 00-1341	EA		18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,174.04	596.02
			For Class 52 Rating, Deduct	-579.81	
			For Class 54 Rating, Add	395.32	
			For Class 55 Rating, Add	878.67	
40 05 19 00-1342	EA		18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,307.94	598.41
			For Class 52 Rating, Deduct	-594.14	
			For Class 54 Rating, Add	405.09	
			For Class 55 Rating, Add	900.39	
40 05 19 00-1343	EA		18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,441.84	600.80
			For Class 52 Rating, Deduct	-608.47	
			For Class 54 Rating, Add	414.87	
			For Class 55 Rating, Add	922.11	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1344	EA		18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,575.74	603.19
			<i>For Class 52 Rating, Deduct</i> .....	-622.80	
			<i>For Class 54 Rating, Add</i> .....	424.64	
			<i>For Class 55 Rating, Add</i> .....	943.83	
40 05 19 00-1345	EA		18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,709.65	605.57
			<i>For Class 52 Rating, Deduct</i> .....	-637.13	
			<i>For Class 54 Rating, Add</i> .....	434.41	
			<i>For Class 55 Rating, Add</i> .....	965.54	
<b>40 05 19 00-1346</b>			<b>20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1347	EA		20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,038.67	590.29
			<i>For Class 52 Rating, Deduct</i> .....	-125.87	
			<i>For Class 54 Rating, Add</i> .....	85.82	
			<i>For Class 55 Rating, Add</i> .....	190.76	
40 05 19 00-1348	EA		20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,192.12	592.68
			<i>For Class 52 Rating, Deduct</i> .....	-142.35	
			<i>For Class 54 Rating, Add</i> .....	97.06	
			<i>For Class 55 Rating, Add</i> .....	215.73	
40 05 19 00-1349	EA		20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,345.56	595.06
			<i>For Class 52 Rating, Deduct</i> .....	-158.83	
			<i>For Class 54 Rating, Add</i> .....	108.30	
			<i>For Class 55 Rating, Add</i> .....	240.71	
40 05 19 00-1350	EA		20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,499.02	597.45
			<i>For Class 52 Rating, Deduct</i> .....	-175.32	
			<i>For Class 54 Rating, Add</i> .....	119.53	
			<i>For Class 55 Rating, Add</i> .....	265.68	
40 05 19 00-1351	EA		20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,652.45	599.84
			<i>For Class 52 Rating, Deduct</i> .....	-191.80	
			<i>For Class 54 Rating, Add</i> .....	130.77	
			<i>For Class 55 Rating, Add</i> .....	290.66	
40 05 19 00-1352	EA		20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,805.90	602.23
			<i>For Class 52 Rating, Deduct</i> .....	-208.28	
			<i>For Class 54 Rating, Add</i> .....	142.01	
			<i>For Class 55 Rating, Add</i> .....	315.63	
40 05 19 00-1353	EA		20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,959.35	604.62
			<i>For Class 52 Rating, Deduct</i> .....	-224.76	
			<i>For Class 54 Rating, Add</i> .....	153.24	
			<i>For Class 55 Rating, Add</i> .....	340.61	
40 05 19 00-1354	EA		20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,112.78	607.02
			<i>For Class 52 Rating, Deduct</i> .....	-241.24	
			<i>For Class 54 Rating, Add</i> .....	164.48	
			<i>For Class 55 Rating, Add</i> .....	365.58	
40 05 19 00-1355	EA		20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,266.24	609.41
			<i>For Class 52 Rating, Deduct</i> .....	-257.72	
			<i>For Class 54 Rating, Add</i> .....	175.72	
			<i>For Class 55 Rating, Add</i> .....	390.56	
40 05 19 00-1356	EA		20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,419.68	611.79
			<i>For Class 52 Rating, Deduct</i> .....	-274.20	
			<i>For Class 54 Rating, Add</i> .....	186.95	
			<i>For Class 55 Rating, Add</i> .....	415.54	
40 05 19 00-1357	EA		20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,573.12	614.18
			<i>For Class 52 Rating, Deduct</i> .....	-290.68	
			<i>For Class 54 Rating, Add</i> .....	198.19	
			<i>For Class 55 Rating, Add</i> .....	440.51	
40 05 19 00-1358	EA		20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,726.57	616.57
			<i>For Class 52 Rating, Deduct</i> .....	-307.16	
			<i>For Class 54 Rating, Add</i> .....	209.43	
			<i>For Class 55 Rating, Add</i> .....	465.49	
40 05 19 00-1359	EA		20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,880.01	618.96
			<i>For Class 52 Rating, Deduct</i> .....	-323.64	
			<i>For Class 54 Rating, Add</i> .....	220.66	
			<i>For Class 55 Rating, Add</i> .....	490.46	
40 05 19 00-1360	EA		20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,033.46	621.35
			<i>For Class 52 Rating, Deduct</i> .....	-340.12	
			<i>For Class 54 Rating, Add</i> .....	231.90	
			<i>For Class 55 Rating, Add</i> .....	515.44	
40 05 19 00-1361	EA		20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,186.90	623.75
			<i>For Class 52 Rating, Deduct</i> .....	-356.60	
			<i>For Class 54 Rating, Add</i> .....	243.14	
			<i>For Class 55 Rating, Add</i> .....	540.41	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1362	EA		20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,340.35	626.13
			For Class 52 Rating, Deduct	-373.08	
			For Class 54 Rating, Add	254.37	
			For Class 55 Rating, Add	565.39	
40 05 19 00-1363	EA		20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,493.79	628.51
			For Class 52 Rating, Deduct	-389.56	
			For Class 54 Rating, Add	265.61	
			For Class 55 Rating, Add	590.37	
40 05 19 00-1364	EA		20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,647.23	630.91
			For Class 52 Rating, Deduct	-406.04	
			For Class 54 Rating, Add	276.85	
			For Class 55 Rating, Add	615.34	
40 05 19 00-1365	EA		20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,800.69	633.30
			For Class 52 Rating, Deduct	-422.53	
			For Class 54 Rating, Add	288.09	
			For Class 55 Rating, Add	640.32	
40 05 19 00-1366	EA		20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,954.12	635.70
			For Class 52 Rating, Deduct	-439.01	
			For Class 54 Rating, Add	299.32	
			For Class 55 Rating, Add	665.29	
40 05 19 00-1367	EA		20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,107.57	638.08
			For Class 52 Rating, Deduct	-455.49	
			For Class 54 Rating, Add	310.56	
			For Class 55 Rating, Add	690.27	
40 05 19 00-1368	EA		20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,261.02	640.47
			For Class 52 Rating, Deduct	-471.97	
			For Class 54 Rating, Add	321.80	
			For Class 55 Rating, Add	715.24	
40 05 19 00-1369	EA		20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,414.46	642.86
			For Class 52 Rating, Deduct	-488.45	
			For Class 54 Rating, Add	333.03	
			For Class 55 Rating, Add	740.22	
40 05 19 00-1370	EA		20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,567.91	645.24
			For Class 52 Rating, Deduct	-504.93	
			For Class 54 Rating, Add	344.27	
			For Class 55 Rating, Add	765.20	
40 05 19 00-1371	EA		20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,721.35	647.64
			For Class 52 Rating, Deduct	-521.41	
			For Class 54 Rating, Add	355.51	
			For Class 55 Rating, Add	790.17	
40 05 19 00-1372	EA		20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,874.80	650.03
			For Class 52 Rating, Deduct	-537.89	
			For Class 54 Rating, Add	366.74	
			For Class 55 Rating, Add	815.15	
40 05 19 00-1373	EA		20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,028.24	652.42
			For Class 52 Rating, Deduct	-554.37	
			For Class 54 Rating, Add	377.98	
			For Class 55 Rating, Add	840.12	
40 05 19 00-1374	EA		20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,181.68	654.81
			For Class 52 Rating, Deduct	-570.85	
			For Class 54 Rating, Add	389.22	
			For Class 55 Rating, Add	865.10	
40 05 19 00-1375	EA		20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,335.13	657.20
			For Class 52 Rating, Deduct	-587.33	
			For Class 54 Rating, Add	400.45	
			For Class 55 Rating, Add	890.07	
40 05 19 00-1376	EA		20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,488.57	659.59
			For Class 52 Rating, Deduct	-603.81	
			For Class 54 Rating, Add	411.69	
			For Class 55 Rating, Add	915.05	
40 05 19 00-1377	EA		20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,642.02	661.97
			For Class 52 Rating, Deduct	-620.29	
			For Class 54 Rating, Add	422.93	
			For Class 55 Rating, Add	940.02	
40 05 19 00-1378	EA		20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,795.47	664.37
			For Class 52 Rating, Deduct	-636.77	
			For Class 54 Rating, Add	434.16	
			For Class 55 Rating, Add	965.00	
40 05 19 00-1379	EA		20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,948.90	666.76
			For Class 52 Rating, Deduct	-653.25	
			For Class 54 Rating, Add	445.40	
			For Class 55 Rating, Add	989.98	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,102.35	669.15
		<i>For Class 52 Rating, Deduct</i>	-669.73	
		<i>For Class 54 Rating, Add</i>	456.64	
		<i>For Class 55 Rating, Add</i>	1,014.95	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,255.80	671.54
		<i>For Class 52 Rating, Deduct</i>	-686.22	
		<i>For Class 54 Rating, Add</i>	467.87	
		<i>For Class 55 Rating, Add</i>	1,039.93	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,409.24	673.92
		<i>For Class 52 Rating, Deduct</i>	-702.70	
		<i>For Class 54 Rating, Add</i>	479.11	
		<i>For Class 55 Rating, Add</i>	1,064.90	
40 05 19 00-1383	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,562.68	676.32
		<i>For Class 52 Rating, Deduct</i>	-719.18	
		<i>For Class 54 Rating, Add</i>	490.35	
		<i>For Class 55 Rating, Add</i>	1,089.88	
40 05 19 00-1384	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,716.13	678.70
		<i>For Class 52 Rating, Deduct</i>	-735.66	
		<i>For Class 54 Rating, Add</i>	501.58	
		<i>For Class 55 Rating, Add</i>	1,114.85	

**40 05 19 00-1385 24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe**

(40 05 19 00-1028)

40 05 19 00-1386	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,486.06	697.82
		<i>For Class 52 Rating, Deduct</i>	-157.16	
		<i>For Class 54 Rating, Add</i>	107.16	
		<i>For Class 55 Rating, Add</i>	238.17	
40 05 19 00-1387	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,675.34	700.22
		<i>For Class 52 Rating, Deduct</i>	-177.59	
		<i>For Class 54 Rating, Add</i>	121.08	
		<i>For Class 55 Rating, Add</i>	269.12	
40 05 19 00-1388	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,864.62	702.61
		<i>For Class 52 Rating, Deduct</i>	-198.01	
		<i>For Class 54 Rating, Add</i>	135.00	
		<i>For Class 55 Rating, Add</i>	300.07	
40 05 19 00-1389	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,053.88	704.99
		<i>For Class 52 Rating, Deduct</i>	-218.43	
		<i>For Class 54 Rating, Add</i>	148.93	
		<i>For Class 55 Rating, Add</i>	331.02	
40 05 19 00-1390	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,243.15	707.38
		<i>For Class 52 Rating, Deduct</i>	-238.85	
		<i>For Class 54 Rating, Add</i>	162.85	
		<i>For Class 55 Rating, Add</i>	361.97	
40 05 19 00-1391	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,432.43	709.77
		<i>For Class 52 Rating, Deduct</i>	-259.27	
		<i>For Class 54 Rating, Add</i>	176.78	
		<i>For Class 55 Rating, Add</i>	392.91	
40 05 19 00-1392	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,621.69	712.17
		<i>For Class 52 Rating, Deduct</i>	-279.69	
		<i>For Class 54 Rating, Add</i>	190.70	
		<i>For Class 55 Rating, Add</i>	423.86	
40 05 19 00-1393	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,810.97	714.55
		<i>For Class 52 Rating, Deduct</i>	-300.11	
		<i>For Class 54 Rating, Add</i>	204.62	
		<i>For Class 55 Rating, Add</i>	454.81	
40 05 19 00-1394	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,000.25	716.94
		<i>For Class 52 Rating, Deduct</i>	-320.54	
		<i>For Class 54 Rating, Add</i>	218.55	
		<i>For Class 55 Rating, Add</i>	485.76	
40 05 19 00-1395	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,189.51	719.34
		<i>For Class 52 Rating, Deduct</i>	-340.96	
		<i>For Class 54 Rating, Add</i>	232.47	
		<i>For Class 55 Rating, Add</i>	516.71	
40 05 19 00-1396	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,378.79	721.71
		<i>For Class 52 Rating, Deduct</i>	-361.38	
		<i>For Class 54 Rating, Add</i>	246.40	
		<i>For Class 55 Rating, Add</i>	547.65	
40 05 19 00-1397	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,568.06	724.11
		<i>For Class 52 Rating, Deduct</i>	-381.80	
		<i>For Class 54 Rating, Add</i>	260.32	
		<i>For Class 55 Rating, Add</i>	578.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1398	EA		24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,757.34	726.50
			For Class 52 Rating, Deduct	-402.22	
			For Class 54 Rating, Add	274.24	
			For Class 55 Rating, Add	609.55	
40 05 19 00-1399	EA		24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,946.60	728.90
			For Class 52 Rating, Deduct	-422.64	
			For Class 54 Rating, Add	288.17	
			For Class 55 Rating, Add	640.50	
40 05 19 00-1400	EA		24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,135.87	731.28
			For Class 52 Rating, Deduct	-443.07	
			For Class 54 Rating, Add	302.09	
			For Class 55 Rating, Add	671.45	
40 05 19 00-1401	EA		24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,325.15	733.67
			For Class 52 Rating, Deduct	-463.49	
			For Class 54 Rating, Add	316.01	
			For Class 55 Rating, Add	702.39	
40 05 19 00-1402	EA		24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,514.42	736.07
			For Class 52 Rating, Deduct	-483.91	
			For Class 54 Rating, Add	329.94	
			For Class 55 Rating, Add	733.34	
40 05 19 00-1403	EA		24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,703.70	738.44
			For Class 52 Rating, Deduct	-504.33	
			For Class 54 Rating, Add	343.86	
			For Class 55 Rating, Add	764.29	
40 05 19 00-1404	EA		24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,892.97	740.84
			For Class 52 Rating, Deduct	-524.75	
			For Class 54 Rating, Add	357.79	
			For Class 55 Rating, Add	795.24	
40 05 19 00-1405	EA		24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,082.23	743.23
			For Class 52 Rating, Deduct	-545.17	
			For Class 54 Rating, Add	371.71	
			For Class 55 Rating, Add	826.19	
40 05 19 00-1406	EA		24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,271.51	745.62
			For Class 52 Rating, Deduct	-565.60	
			For Class 54 Rating, Add	385.63	
			For Class 55 Rating, Add	857.13	
40 05 19 00-1407	EA		24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,460.78	748.01
			For Class 52 Rating, Deduct	-586.02	
			For Class 54 Rating, Add	399.56	
			For Class 55 Rating, Add	888.08	
40 05 19 00-1408	EA		24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,650.05	750.40
			For Class 52 Rating, Deduct	-606.44	
			For Class 54 Rating, Add	413.48	
			For Class 55 Rating, Add	919.03	
40 05 19 00-1409	EA		24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,839.32	752.80
			For Class 52 Rating, Deduct	-626.86	
			For Class 54 Rating, Add	427.40	
			For Class 55 Rating, Add	949.98	
40 05 19 00-1410	EA		24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,028.60	755.19
			For Class 52 Rating, Deduct	-647.28	
			For Class 54 Rating, Add	441.33	
			For Class 55 Rating, Add	980.93	
40 05 19 00-1411	EA		24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,217.87	757.56
			For Class 52 Rating, Deduct	-667.70	
			For Class 54 Rating, Add	455.25	
			For Class 55 Rating, Add	1,011.88	
40 05 19 00-1412	EA		24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,407.14	759.96
			For Class 52 Rating, Deduct	-688.13	
			For Class 54 Rating, Add	469.18	
			For Class 55 Rating, Add	1,042.82	
40 05 19 00-1413	EA		24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,596.42	762.35
			For Class 52 Rating, Deduct	-708.55	
			For Class 54 Rating, Add	483.10	
			For Class 55 Rating, Add	1,073.77	
40 05 19 00-1414	EA		24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,785.69	764.74
			For Class 52 Rating, Deduct	-728.97	
			For Class 54 Rating, Add	497.02	
			For Class 55 Rating, Add	1,104.72	
40 05 19 00-1415	EA		24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,036.51	807.75
			For Class 52 Rating, Deduct	-749.39	
			For Class 54 Rating, Add	510.95	
			For Class 55 Rating, Add	1,135.67	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1416	EA		24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,225.79	810.14
			<i>For Class 52 Rating, Deduct</i> .....	-769.81	
			<i>For Class 54 Rating, Add</i> .....	524.87	
			<i>For Class 55 Rating, Add</i> .....	1,166.61	
40 05 19 00-1417	EA		24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,415.05	812.54
			<i>For Class 52 Rating, Deduct</i> .....	-790.23	
			<i>For Class 54 Rating, Add</i> .....	538.80	
			<i>For Class 55 Rating, Add</i> .....	1,197.56	
40 05 19 00-1418	EA		24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,604.34	814.93
			<i>For Class 52 Rating, Deduct</i> .....	-810.66	
			<i>For Class 54 Rating, Add</i> .....	552.72	
			<i>For Class 55 Rating, Add</i> .....	1,228.51	
40 05 19 00-1419	EA		24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,793.61	817.32
			<i>For Class 52 Rating, Deduct</i> .....	-831.08	
			<i>For Class 54 Rating, Add</i> .....	566.64	
			<i>For Class 55 Rating, Add</i> .....	1,259.46	
40 05 19 00-1420	EA		24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,982.87	819.70
			<i>For Class 52 Rating, Deduct</i> .....	-851.50	
			<i>For Class 54 Rating, Add</i> .....	580.57	
			<i>For Class 55 Rating, Add</i> .....	1,290.41	
40 05 19 00-1421	EA		24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,172.15	822.09
			<i>For Class 52 Rating, Deduct</i> .....	-871.92	
			<i>For Class 54 Rating, Add</i> .....	594.49	
			<i>For Class 55 Rating, Add</i> .....	1,321.36	
40 05 19 00-1422	EA		24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,361.42	824.48
			<i>For Class 52 Rating, Deduct</i> .....	-892.34	
			<i>For Class 54 Rating, Add</i> .....	608.42	
			<i>For Class 55 Rating, Add</i> .....	1,352.30	
40 05 19 00-1423	EA		24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,550.69	826.87
			<i>For Class 52 Rating, Deduct</i> .....	-912.76	
			<i>For Class 54 Rating, Add</i> .....	622.34	
			<i>For Class 55 Rating, Add</i> .....	1,383.25	
40 05 19 00-1424			<b>30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1425	EA		30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,750.04	984.60
			<i>For Class 52 Rating, Deduct</i> .....	-248.40	
			<i>For Class 54 Rating, Add</i> .....	169.37	
			<i>For Class 55 Rating, Add</i> .....	376.44	
40 05 19 00-1426	EA		30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,021.82	986.99
			<i>For Class 52 Rating, Deduct</i> .....	-277.90	
			<i>For Class 54 Rating, Add</i> .....	189.48	
			<i>For Class 55 Rating, Add</i> .....	421.15	
40 05 19 00-1427	EA		30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,293.60	989.38
			<i>For Class 52 Rating, Deduct</i> .....	-307.40	
			<i>For Class 54 Rating, Add</i> .....	209.59	
			<i>For Class 55 Rating, Add</i> .....	465.85	
40 05 19 00-1428	EA		30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,565.39	991.77
			<i>For Class 52 Rating, Deduct</i> .....	-336.90	
			<i>For Class 54 Rating, Add</i> .....	229.70	
			<i>For Class 55 Rating, Add</i> .....	510.55	
40 05 19 00-1429	EA		30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,837.17	994.17
			<i>For Class 52 Rating, Deduct</i> .....	-366.40	
			<i>For Class 54 Rating, Add</i> .....	249.82	
			<i>For Class 55 Rating, Add</i> .....	555.26	
40 05 19 00-1430	EA		30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,108.96	996.55
			<i>For Class 52 Rating, Deduct</i> .....	-395.89	
			<i>For Class 54 Rating, Add</i> .....	269.93	
			<i>For Class 55 Rating, Add</i> .....	599.96	
40 05 19 00-1431	EA		30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,380.74	998.94
			<i>For Class 52 Rating, Deduct</i> .....	-425.39	
			<i>For Class 54 Rating, Add</i> .....	290.04	
			<i>For Class 55 Rating, Add</i> .....	644.66	
40 05 19 00-1432	EA		30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,652.52	1,001.33
			<i>For Class 52 Rating, Deduct</i> .....	-454.89	
			<i>For Class 54 Rating, Add</i> .....	310.15	
			<i>For Class 55 Rating, Add</i> .....	689.36	
40 05 19 00-1433	EA		30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,924.31	1,003.72
			<i>For Class 52 Rating, Deduct</i> .....	-484.39	
			<i>For Class 54 Rating, Add</i> .....	330.26	
			<i>For Class 55 Rating, Add</i> .....	734.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1434	EA		30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,196.09	1,006.11
			For Class 52 Rating, Deduct	-513.88	
			For Class 54 Rating, Add	350.38	
			For Class 55 Rating, Add	778.77	
40 05 19 00-1435	EA		30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,467.87	1,008.50
			For Class 52 Rating, Deduct	-543.38	
			For Class 54 Rating, Add	370.49	
			For Class 55 Rating, Add	823.47	
40 05 19 00-1436	EA		30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,739.66	1,010.90
			For Class 52 Rating, Deduct	-572.88	
			For Class 54 Rating, Add	390.60	
			For Class 55 Rating, Add	868.18	
40 05 19 00-1437	EA		30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,011.44	1,013.28
			For Class 52 Rating, Deduct	-602.38	
			For Class 54 Rating, Add	410.71	
			For Class 55 Rating, Add	912.88	
40 05 19 00-1438	EA		30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,283.23	1,015.67
			For Class 52 Rating, Deduct	-631.88	
			For Class 54 Rating, Add	430.82	
			For Class 55 Rating, Add	957.58	
40 05 19 00-1439	EA		30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,555.01	1,018.06
			For Class 52 Rating, Deduct	-661.38	
			For Class 54 Rating, Add	450.94	
			For Class 55 Rating, Add	1,002.28	
40 05 19 00-1440	EA		30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,826.80	1,020.44
			For Class 52 Rating, Deduct	-690.87	
			For Class 54 Rating, Add	471.05	
			For Class 55 Rating, Add	1,046.99	
40 05 19 00-1441	EA		30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,098.58	1,022.84
			For Class 52 Rating, Deduct	-720.37	
			For Class 54 Rating, Add	491.16	
			For Class 55 Rating, Add	1,091.69	
40 05 19 00-1442	EA		30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,370.35	1,025.23
			For Class 52 Rating, Deduct	-749.87	
			For Class 54 Rating, Add	511.27	
			For Class 55 Rating, Add	1,136.39	
40 05 19 00-1443	EA		30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,642.15	1,027.63
			For Class 52 Rating, Deduct	-779.37	
			For Class 54 Rating, Add	531.39	
			For Class 55 Rating, Add	1,181.09	
40 05 19 00-1444	EA		30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,913.93	1,030.01
			For Class 52 Rating, Deduct	-808.86	
			For Class 54 Rating, Add	551.50	
			For Class 55 Rating, Add	1,225.80	
40 05 19 00-1445	EA		30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,185.71	1,032.39
			For Class 52 Rating, Deduct	-838.36	
			For Class 54 Rating, Add	571.61	
			For Class 55 Rating, Add	1,270.50	
40 05 19 00-1446	EA		30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,457.50	1,034.79
			For Class 52 Rating, Deduct	-867.86	
			For Class 54 Rating, Add	591.72	
			For Class 55 Rating, Add	1,315.20	
40 05 19 00-1447	EA		30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,729.28	1,037.17
			For Class 52 Rating, Deduct	-897.36	
			For Class 54 Rating, Add	611.84	
			For Class 55 Rating, Add	1,359.91	
40 05 19 00-1448	EA		30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,001.06	1,039.57
			For Class 52 Rating, Deduct	-926.86	
			For Class 54 Rating, Add	631.95	
			For Class 55 Rating, Add	1,404.61	
40 05 19 00-1449	EA		30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,272.85	1,041.96
			For Class 52 Rating, Deduct	-956.35	
			For Class 54 Rating, Add	652.06	
			For Class 55 Rating, Add	1,449.31	
40 05 19 00-1450	EA		30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,544.64	1,044.35
			For Class 52 Rating, Deduct	-985.85	
			For Class 54 Rating, Add	672.17	
			For Class 55 Rating, Add	1,494.01	
40 05 19 00-1451	EA		30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,816.41	1,046.73
			For Class 52 Rating, Deduct	-1,015.35	
			For Class 54 Rating, Add	692.28	
			For Class 55 Rating, Add	1,538.72	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-1452	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,088.19	1,049.12
		<i>For Class 52 Rating, Deduct</i>	-1,044.85	
		<i>For Class 54 Rating, Add</i>	712.40	
		<i>For Class 55 Rating, Add</i>	1,583.42	
40 05 19 00-1453	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,359.99	1,051.52
		<i>For Class 52 Rating, Deduct</i>	-1,074.35	
		<i>For Class 54 Rating, Add</i>	732.51	
		<i>For Class 55 Rating, Add</i>	1,628.12	
40 05 19 00-1454	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,631.77	1,053.91
		<i>For Class 52 Rating, Deduct</i>	-1,103.84	
		<i>For Class 54 Rating, Add</i>	752.62	
		<i>For Class 55 Rating, Add</i>	1,672.82	
40 05 19 00-1455	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,903.55	1,056.29
		<i>For Class 52 Rating, Deduct</i>	-1,133.34	
		<i>For Class 54 Rating, Add</i>	772.73	
		<i>For Class 55 Rating, Add</i>	1,717.53	
40 05 19 00-1456	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,175.34	1,058.69
		<i>For Class 52 Rating, Deduct</i>	-1,162.84	
		<i>For Class 54 Rating, Add</i>	792.85	
		<i>For Class 55 Rating, Add</i>	1,762.23	
40 05 19 00-1457	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,447.13	1,061.08
		<i>For Class 52 Rating, Deduct</i>	-1,192.34	
		<i>For Class 54 Rating, Add</i>	812.96	
		<i>For Class 55 Rating, Add</i>	1,806.93	
40 05 19 00-1458	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,718.90	1,063.46
		<i>For Class 52 Rating, Deduct</i>	-1,221.83	
		<i>For Class 54 Rating, Add</i>	833.07	
		<i>For Class 55 Rating, Add</i>	1,851.64	
40 05 19 00-1459	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,990.69	1,065.85
		<i>For Class 52 Rating, Deduct</i>	-1,251.33	
		<i>For Class 54 Rating, Add</i>	853.18	
		<i>For Class 55 Rating, Add</i>	1,896.34	
40 05 19 00-1460	EA	30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,262.48	1,068.25
		<i>For Class 52 Rating, Deduct</i>	-1,280.83	
		<i>For Class 54 Rating, Add</i>	873.29	
		<i>For Class 55 Rating, Add</i>	1,941.04	
40 05 19 00-1461	EA	30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,534.25	1,070.64
		<i>For Class 52 Rating, Deduct</i>	-1,310.33	
		<i>For Class 54 Rating, Add</i>	893.41	
		<i>For Class 55 Rating, Add</i>	1,985.74	
40 05 19 00-1462	EA	30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,806.04	1,073.02
		<i>For Class 52 Rating, Deduct</i>	-1,339.83	
		<i>For Class 54 Rating, Add</i>	913.52	
		<i>For Class 55 Rating, Add</i>	2,030.45	
40 05 19 00-1463		<b>36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1464	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,105.90	1,247.48
		<i>For Class 52 Rating, Deduct</i>	-353.74	
		<i>For Class 54 Rating, Add</i>	241.18	
		<i>For Class 55 Rating, Add</i>	536.07	
40 05 19 00-1465	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,474.32	1,249.88
		<i>For Class 52 Rating, Deduct</i>	-393.86	
		<i>For Class 54 Rating, Add</i>	268.54	
		<i>For Class 55 Rating, Add</i>	596.88	
40 05 19 00-1466	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,842.72	1,252.26
		<i>For Class 52 Rating, Deduct</i>	-433.99	
		<i>For Class 54 Rating, Add</i>	295.90	
		<i>For Class 55 Rating, Add</i>	657.69	
40 05 19 00-1467	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,211.13	1,254.65
		<i>For Class 52 Rating, Deduct</i>	-474.12	
		<i>For Class 54 Rating, Add</i>	323.26	
		<i>For Class 55 Rating, Add</i>	718.50	
40 05 19 00-1468	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,579.55	1,257.05
		<i>For Class 52 Rating, Deduct</i>	-514.24	
		<i>For Class 54 Rating, Add</i>	350.62	
		<i>For Class 55 Rating, Add</i>	779.31	
40 05 19 00-1469	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,947.96	1,259.42
		<i>For Class 52 Rating, Deduct</i>	-554.37	
		<i>For Class 54 Rating, Add</i>	377.98	
		<i>For Class 55 Rating, Add</i>	840.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1470	EA		36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,316.37	1,261.82
			For Class 52 Rating, Deduct	-594.50	
			For Class 54 Rating, Add	405.34	
			For Class 55 Rating, Add	900.93	
40 05 19 00-1471	EA		36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,684.77	1,264.21
			For Class 52 Rating, Deduct	-634.62	
			For Class 54 Rating, Add	432.70	
			For Class 55 Rating, Add	961.74	
40 05 19 00-1472	EA		36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,053.18	1,266.60
			For Class 52 Rating, Deduct	-674.75	
			For Class 54 Rating, Add	460.06	
			For Class 55 Rating, Add	1,022.55	
40 05 19 00-1473	EA		36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,421.59	1,268.99
			For Class 52 Rating, Deduct	-714.88	
			For Class 54 Rating, Add	487.42	
			For Class 55 Rating, Add	1,083.36	
40 05 19 00-1474	EA		36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,790.00	1,271.38
			For Class 52 Rating, Deduct	-755.00	
			For Class 54 Rating, Add	514.78	
			For Class 55 Rating, Add	1,144.17	
40 05 19 00-1475	EA		36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,158.42	1,273.78
			For Class 52 Rating, Deduct	-795.13	
			For Class 54 Rating, Add	542.13	
			For Class 55 Rating, Add	1,204.98	
40 05 19 00-1476	EA		36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,526.82	1,276.15
			For Class 52 Rating, Deduct	-835.26	
			For Class 54 Rating, Add	569.49	
			For Class 55 Rating, Add	1,265.79	
40 05 19 00-1477	EA		36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,895.23	1,278.54
			For Class 52 Rating, Deduct	-875.38	
			For Class 54 Rating, Add	596.85	
			For Class 55 Rating, Add	1,326.60	
40 05 19 00-1478	EA		36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,263.64	1,280.94
			For Class 52 Rating, Deduct	-915.51	
			For Class 54 Rating, Add	624.21	
			For Class 55 Rating, Add	1,387.41	
40 05 19 00-1479	EA		36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,632.04	1,283.33
			For Class 52 Rating, Deduct	-955.64	
			For Class 54 Rating, Add	651.57	
			For Class 55 Rating, Add	1,448.22	
40 05 19 00-1480	EA		36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,000.46	1,285.72
			For Class 52 Rating, Deduct	-995.76	
			For Class 54 Rating, Add	678.93	
			For Class 55 Rating, Add	1,509.04	
40 05 19 00-1481	EA		36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,368.87	1,288.11
			For Class 52 Rating, Deduct	-1,035.89	
			For Class 54 Rating, Add	706.29	
			For Class 55 Rating, Add	1,569.85	
40 05 19 00-1482	EA		36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,737.28	1,290.50
			For Class 52 Rating, Deduct	-1,076.02	
			For Class 54 Rating, Add	733.65	
			For Class 55 Rating, Add	1,630.66	
40 05 19 00-1483	EA		36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,105.69	1,292.89
			For Class 52 Rating, Deduct	-1,116.14	
			For Class 54 Rating, Add	761.01	
			For Class 55 Rating, Add	1,691.47	
40 05 19 00-1484	EA		36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,474.09	1,295.27
			For Class 52 Rating, Deduct	-1,156.27	
			For Class 54 Rating, Add	788.37	
			For Class 55 Rating, Add	1,752.28	
40 05 19 00-1485	EA		36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,842.50	1,297.67
			For Class 52 Rating, Deduct	-1,196.40	
			For Class 54 Rating, Add	815.73	
			For Class 55 Rating, Add	1,813.09	
40 05 19 00-1486	EA		36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,210.91	1,300.06
			For Class 52 Rating, Deduct	-1,236.52	
			For Class 54 Rating, Add	843.08	
			For Class 55 Rating, Add	1,873.90	
40 05 19 00-1487	EA		36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,579.33	1,302.45
			For Class 52 Rating, Deduct	-1,276.65	
			For Class 54 Rating, Add	870.44	
			For Class 55 Rating, Add	1,934.71	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1488	EA		36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,947.74	1,304.84
			<i>For Class 52 Rating, Deduct</i> .....	-1,316.78	
			<i>For Class 54 Rating, Add</i> .....	897.80	
			<i>For Class 55 Rating, Add</i> .....	1,995.52	
40 05 19 00-1489	EA		36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,316.14	1,307.22
			<i>For Class 52 Rating, Deduct</i> .....	-1,356.91	
			<i>For Class 54 Rating, Add</i> .....	925.16	
			<i>For Class 55 Rating, Add</i> .....	2,056.33	
40 05 19 00-1490	EA		36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,684.55	1,309.62
			<i>For Class 52 Rating, Deduct</i> .....	-1,397.03	
			<i>For Class 54 Rating, Add</i> .....	952.52	
			<i>For Class 55 Rating, Add</i> .....	2,117.14	
40 05 19 00-1491	EA		36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,052.96	1,312.00
			<i>For Class 52 Rating, Deduct</i> .....	-1,437.16	
			<i>For Class 54 Rating, Add</i> .....	979.88	
			<i>For Class 55 Rating, Add</i> .....	2,177.95	
40 05 19 00-1492	EA		36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,421.37	1,314.40
			<i>For Class 52 Rating, Deduct</i> .....	-1,477.28	
			<i>For Class 54 Rating, Add</i> .....	1,007.24	
			<i>For Class 55 Rating, Add</i> .....	2,238.76	
40 05 19 00-1493	EA		36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,789.78	1,316.79
			<i>For Class 52 Rating, Deduct</i> .....	-1,517.41	
			<i>For Class 54 Rating, Add</i> .....	1,034.60	
			<i>For Class 55 Rating, Add</i> .....	2,299.57	
40 05 19 00-1494	EA		36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,158.19	1,319.17
			<i>For Class 52 Rating, Deduct</i> .....	-1,557.54	
			<i>For Class 54 Rating, Add</i> .....	1,061.96	
			<i>For Class 55 Rating, Add</i> .....	2,360.38	
40 05 19 00-1495	EA		36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,526.60	1,321.57
			<i>For Class 52 Rating, Deduct</i> .....	-1,597.67	
			<i>For Class 54 Rating, Add</i> .....	1,089.32	
			<i>For Class 55 Rating, Add</i> .....	2,421.19	
40 05 19 00-1496	EA		36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,895.01	1,323.95
			<i>For Class 52 Rating, Deduct</i> .....	-1,637.79	
			<i>For Class 54 Rating, Add</i> .....	1,116.68	
			<i>For Class 55 Rating, Add</i> .....	2,482.00	
40 05 19 00-1497	EA		36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,263.42	1,326.35
			<i>For Class 52 Rating, Deduct</i> .....	-1,677.92	
			<i>For Class 54 Rating, Add</i> .....	1,144.04	
			<i>For Class 55 Rating, Add</i> .....	2,542.81	
40 05 19 00-1498	EA		36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,631.82	1,328.73
			<i>For Class 52 Rating, Deduct</i> .....	-1,718.04	
			<i>For Class 54 Rating, Add</i> .....	1,171.39	
			<i>For Class 55 Rating, Add</i> .....	2,603.62	
40 05 19 00-1499	EA		36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,000.23	1,331.12
			<i>For Class 52 Rating, Deduct</i> .....	-1,758.17	
			<i>For Class 54 Rating, Add</i> .....	1,198.75	
			<i>For Class 55 Rating, Add</i> .....	2,664.43	
40 05 19 00-1500	EA		36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,368.65	1,333.52
			<i>For Class 52 Rating, Deduct</i> .....	-1,798.30	
			<i>For Class 54 Rating, Add</i> .....	1,226.11	
			<i>For Class 55 Rating, Add</i> .....	2,725.24	
40 05 19 00-1501	EA		36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,737.05	1,335.90
			<i>For Class 52 Rating, Deduct</i> .....	-1,838.43	
			<i>For Class 54 Rating, Add</i> .....	1,253.47	
			<i>For Class 55 Rating, Add</i> .....	2,786.05	
40 05 19 00-1502			<b>42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1503	EA		42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,693.81	1,572.50
			<i>For Class 52 Rating, Deduct</i> .....	-474.24	
			<i>For Class 54 Rating, Add</i> .....	323.34	
			<i>For Class 55 Rating, Add</i> .....	718.68	
40 05 19 00-1504	EA		42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,242.44	1,574.88
			<i>For Class 52 Rating, Deduct</i> .....	-534.19	
			<i>For Class 54 Rating, Add</i> .....	364.22	
			<i>For Class 55 Rating, Add</i> .....	809.54	
40 05 19 00-1505	EA		42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,784.55	1,577.28
			<i>For Class 52 Rating, Deduct</i> .....	-593.42	
			<i>For Class 54 Rating, Add</i> .....	404.61	
			<i>For Class 55 Rating, Add</i> .....	899.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1506	EA		42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,332.10	1,579.67
			For Class 52 Rating, Deduct	-653.25	
			For Class 54 Rating, Add	445.40	
			For Class 55 Rating, Add	989.98	
40 05 19 00-1507	EA		42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,874.22	1,582.06
			For Class 52 Rating, Deduct	-712.49	
			For Class 54 Rating, Add	485.79	
			For Class 55 Rating, Add	1,079.74	
40 05 19 00-1508	EA		42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,422.86	1,584.44
			For Class 52 Rating, Deduct	-772.44	
			For Class 54 Rating, Add	526.66	
			For Class 55 Rating, Add	1,170.60	
40 05 19 00-1509	EA		42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,963.89	1,586.83
			For Class 52 Rating, Deduct	-831.55	
			For Class 54 Rating, Add	566.97	
			For Class 55 Rating, Add	1,260.18	
40 05 19 00-1510	EA		42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,512.51	1,589.23
			For Class 52 Rating, Deduct	-891.51	
			For Class 54 Rating, Add	607.85	
			For Class 55 Rating, Add	1,351.04	
40 05 19 00-1511	EA		42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,054.64	1,591.62
			For Class 52 Rating, Deduct	-950.74	
			For Class 54 Rating, Add	648.23	
			For Class 55 Rating, Add	1,440.80	
40 05 19 00-1512	EA		42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,602.18	1,594.00
			For Class 52 Rating, Deduct	-1,010.57	
			For Class 54 Rating, Add	689.03	
			For Class 55 Rating, Add	1,531.48	
40 05 19 00-1513	EA		42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,144.30	1,596.40
			For Class 52 Rating, Deduct	-1,069.81	
			For Class 54 Rating, Add	729.41	
			For Class 55 Rating, Add	1,621.24	
40 05 19 00-1514	EA		42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,691.85	1,598.79
			For Class 52 Rating, Deduct	-1,129.64	
			For Class 54 Rating, Add	770.21	
			For Class 55 Rating, Add	1,711.92	
40 05 19 00-1515	EA		42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,233.96	1,601.17
			For Class 52 Rating, Deduct	-1,188.87	
			For Class 54 Rating, Add	810.60	
			For Class 55 Rating, Add	1,801.68	
40 05 19 00-1516	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,777.17	1,603.56
			For Class 52 Rating, Deduct	-1,248.23	
			For Class 54 Rating, Add	851.06	
			For Class 55 Rating, Add	1,891.63	
40 05 19 00-1517	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,323.63	1,605.95
			For Class 52 Rating, Deduct	-1,307.94	
			For Class 54 Rating, Add	891.78	
			For Class 55 Rating, Add	1,982.12	
40 05 19 00-1518	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,865.75	1,608.35
			For Class 52 Rating, Deduct	-1,367.17	
			For Class 54 Rating, Add	932.16	
			For Class 55 Rating, Add	2,071.89	
40 05 19 00-1519	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,414.38	1,610.73
			For Class 52 Rating, Deduct	-1,427.13	
			For Class 54 Rating, Add	973.04	
			For Class 55 Rating, Add	2,162.75	
40 05 19 00-1520	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,956.49	1,613.13
			For Class 52 Rating, Deduct	-1,486.36	
			For Class 54 Rating, Add	1,013.43	
			For Class 55 Rating, Add	2,252.51	
40 05 19 00-1521	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,504.05	1,615.51
			For Class 52 Rating, Deduct	-1,546.19	
			For Class 54 Rating, Add	1,054.22	
			For Class 55 Rating, Add	2,343.19	
40 05 19 00-1522	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,046.16	1,617.89
			For Class 52 Rating, Deduct	-1,605.43	
			For Class 54 Rating, Add	1,094.61	
			For Class 55 Rating, Add	2,432.95	
40 05 19 00-1523	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,594.80	1,620.29
			For Class 52 Rating, Deduct	-1,665.38	
			For Class 54 Rating, Add	1,135.49	
			For Class 55 Rating, Add	2,523.81	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

HUMBOLDT STATE UNIVERSITY

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-1524	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,136.91	1,622.68
		<i>For Class 52 Rating, Deduct</i>	-1,724.61	
		<i>For Class 54 Rating, Add</i>	1,175.87	
		<i>For Class 55 Rating, Add</i>	2,613.57	
40 05 19 00-1525	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,684.45	1,625.08
		<i>For Class 52 Rating, Deduct</i>	-1,784.45	
		<i>For Class 54 Rating, Add</i>	1,216.67	
		<i>For Class 55 Rating, Add</i>	2,704.25	
40 05 19 00-1526	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,226.58	1,627.46
		<i>For Class 52 Rating, Deduct</i>	-1,843.68	
		<i>For Class 54 Rating, Add</i>	1,257.05	
		<i>For Class 55 Rating, Add</i>	2,794.01	
40 05 19 00-1527	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,775.21	1,629.85
		<i>For Class 52 Rating, Deduct</i>	-1,903.63	
		<i>For Class 54 Rating, Add</i>	1,297.93	
		<i>For Class 55 Rating, Add</i>	2,884.87	
40 05 19 00-1528	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,317.34	1,632.24
		<i>For Class 52 Rating, Deduct</i>	-1,962.87	
		<i>For Class 54 Rating, Add</i>	1,338.32	
		<i>For Class 55 Rating, Add</i>	2,974.63	
40 05 19 00-1529	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,863.79	1,634.62
		<i>For Class 52 Rating, Deduct</i>	-2,022.58	
		<i>For Class 54 Rating, Add</i>	1,379.03	
		<i>For Class 55 Rating, Add</i>	3,065.13	
40 05 19 00-1530	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,407.00	1,637.02
		<i>For Class 52 Rating, Deduct</i>	-2,081.93	
		<i>For Class 54 Rating, Add</i>	1,419.50	
		<i>For Class 55 Rating, Add</i>	3,155.07	
40 05 19 00-1531	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,840.55	1,639.41
		<i>For Class 52 Rating, Deduct</i>	-2,129.22	
		<i>For Class 54 Rating, Add</i>	1,451.74	
		<i>For Class 55 Rating, Add</i>	3,226.74	
40 05 19 00-1532	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,496.65	1,641.81
		<i>For Class 52 Rating, Deduct</i>	-2,201.00	
		<i>For Class 54 Rating, Add</i>	1,500.68	
		<i>For Class 55 Rating, Add</i>	3,335.51	
40 05 19 00-1533	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,038.78	1,644.19
		<i>For Class 52 Rating, Deduct</i>	-2,260.23	
		<i>For Class 54 Rating, Add</i>	1,541.07	
		<i>For Class 55 Rating, Add</i>	3,425.28	
40 05 19 00-1534	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,586.33	1,646.58
		<i>For Class 52 Rating, Deduct</i>	-2,320.07	
		<i>For Class 54 Rating, Add</i>	1,581.86	
		<i>For Class 55 Rating, Add</i>	3,515.95	
40 05 19 00-1535	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,128.44	1,648.97
		<i>For Class 52 Rating, Deduct</i>	-2,379.30	
		<i>For Class 54 Rating, Add</i>	1,622.25	
		<i>For Class 55 Rating, Add</i>	3,605.72	
40 05 19 00-1536	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,677.07	1,651.36
		<i>For Class 52 Rating, Deduct</i>	-2,439.25	
		<i>For Class 54 Rating, Add</i>	1,663.13	
		<i>For Class 55 Rating, Add</i>	3,696.57	
40 05 19 00-1537	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,218.11	1,653.75
		<i>For Class 52 Rating, Deduct</i>	-2,498.37	
		<i>For Class 54 Rating, Add</i>	1,703.43	
		<i>For Class 55 Rating, Add</i>	3,786.16	
40 05 19 00-1538	EA	42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,766.74	1,656.14
		<i>For Class 52 Rating, Deduct</i>	-2,558.32	
		<i>For Class 54 Rating, Add</i>	1,744.31	
		<i>For Class 55 Rating, Add</i>	3,877.02	
40 05 19 00-1539	EA	42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,308.85	1,658.53
		<i>For Class 52 Rating, Deduct</i>	-2,617.55	
		<i>For Class 54 Rating, Add</i>	1,784.69	
		<i>For Class 55 Rating, Add</i>	3,966.78	
40 05 19 00-1540	EA	42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,856.41	1,660.92
		<i>For Class 52 Rating, Deduct</i>	-2,677.38	
		<i>For Class 54 Rating, Add</i>	1,825.49	
		<i>For Class 55 Rating, Add</i>	4,057.45	

40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1542	EA		48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,600.95	1,976.37
			For Class 52 Rating, Deduct	-616.71	
			For Class 54 Rating, Add	420.48	
			For Class 55 Rating, Add	934.60	
40 05 19 00-1543	EA		48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,398.21	1,978.76
			For Class 52 Rating, Deduct	-704.01	
			For Class 54 Rating, Add	480.01	
			For Class 55 Rating, Add	1,066.89	
40 05 19 00-1544	EA		48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,194.38	1,981.16
			For Class 52 Rating, Deduct	-791.19	
			For Class 54 Rating, Add	539.45	
			For Class 55 Rating, Add	1,199.01	
40 05 19 00-1545	EA		48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,997.05	1,983.55
			For Class 52 Rating, Deduct	-879.09	
			For Class 54 Rating, Add	599.38	
			For Class 55 Rating, Add	1,332.21	
40 05 19 00-1546	EA		48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,794.31	1,985.93
			For Class 52 Rating, Deduct	-966.39	
			For Class 54 Rating, Add	658.90	
			For Class 55 Rating, Add	1,464.51	
40 05 19 00-1547	EA		48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,591.56	1,988.32
			For Class 52 Rating, Deduct	-1,053.68	
			For Class 54 Rating, Add	718.42	
			For Class 55 Rating, Add	1,596.81	
40 05 19 00-1548	EA		48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,393.16	1,990.71
			For Class 52 Rating, Deduct	-1,141.46	
			For Class 54 Rating, Add	778.27	
			For Class 55 Rating, Add	1,729.83	
40 05 19 00-1549	EA		48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,191.50	1,993.10
			For Class 52 Rating, Deduct	-1,228.88	
			For Class 54 Rating, Add	837.87	
			For Class 55 Rating, Add	1,862.31	
40 05 19 00-1550	EA		48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,987.66	1,995.49
			For Class 52 Rating, Deduct	-1,316.06	
			For Class 54 Rating, Add	897.31	
			For Class 55 Rating, Add	1,994.43	
40 05 19 00-1551	EA		48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,790.34	1,997.88
			For Class 52 Rating, Deduct	-1,403.96	
			For Class 54 Rating, Add	957.24	
			For Class 55 Rating, Add	2,127.63	
40 05 19 00-1552	EA		48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,587.60	2,000.28
			For Class 52 Rating, Deduct	-1,491.26	
			For Class 54 Rating, Add	1,016.77	
			For Class 55 Rating, Add	2,259.93	
40 05 19 00-1553	EA		48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,390.29	2,002.66
			For Class 52 Rating, Deduct	-1,579.15	
			For Class 54 Rating, Add	1,076.70	
			For Class 55 Rating, Add	2,393.14	
40 05 19 00-1554	EA		48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	18,186.45	2,005.05
			For Class 52 Rating, Deduct	-1,666.33	
			For Class 54 Rating, Add	1,136.14	
			For Class 55 Rating, Add	2,525.25	
40 05 19 00-1555	EA		48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	18,983.71	2,007.44
			For Class 52 Rating, Deduct	-1,753.63	
			For Class 54 Rating, Add	1,195.66	
			For Class 55 Rating, Add	2,657.55	
40 05 19 00-1556	EA		48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,786.39	2,009.83
			For Class 52 Rating, Deduct	-1,841.53	
			For Class 54 Rating, Add	1,255.59	
			For Class 55 Rating, Add	2,790.76	
40 05 19 00-1557	EA		48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	20,583.64	2,012.22
			For Class 52 Rating, Deduct	-1,928.83	
			For Class 54 Rating, Add	1,315.11	
			For Class 55 Rating, Add	2,923.05	
40 05 19 00-1558	EA		48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	21,379.80	2,014.61
			For Class 52 Rating, Deduct	-2,016.01	
			For Class 54 Rating, Add	1,374.55	
			For Class 55 Rating, Add	3,055.17	
40 05 19 00-1559	EA		48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	22,182.48	2,017.01
			For Class 52 Rating, Deduct	-2,103.91	
			For Class 54 Rating, Add	1,434.48	
			For Class 55 Rating, Add	3,188.37	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1560	EA		48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,979.75	2,019.39
			For Class 52 Rating, Deduct .....	-2,191.21	
			For Class 54 Rating, Add .....	1,494.00	
			For Class 55 Rating, Add .....	3,320.67	
40 05 19 00-1561	EA		48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,775.90	2,021.77
			For Class 52 Rating, Deduct .....	-2,278.39	
			For Class 54 Rating, Add .....	1,553.45	
			For Class 55 Rating, Add .....	3,452.79	
40 05 19 00-1562	EA		48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,578.58	2,024.17
			For Class 52 Rating, Deduct .....	-2,366.28	
			For Class 54 Rating, Add .....	1,613.37	
			For Class 55 Rating, Add .....	3,585.99	
40 05 19 00-1563	EA		48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,376.93	2,026.56
			For Class 52 Rating, Deduct .....	-2,453.70	
			For Class 54 Rating, Add .....	1,672.98	
			For Class 55 Rating, Add .....	3,718.47	
40 05 19 00-1564	EA		48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,173.09	2,028.95
			For Class 52 Rating, Deduct .....	-2,540.88	
			For Class 54 Rating, Add .....	1,732.42	
			For Class 55 Rating, Add .....	3,850.59	
40 05 19 00-1565	EA		48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,975.78	2,031.34
			For Class 52 Rating, Deduct .....	-2,628.78	
			For Class 54 Rating, Add .....	1,792.35	
			For Class 55 Rating, Add .....	3,983.79	
40 05 19 00-1566	EA		48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,773.03	2,033.73
			For Class 52 Rating, Deduct .....	-2,716.08	
			For Class 54 Rating, Add .....	1,851.87	
			For Class 55 Rating, Add .....	4,116.09	
40 05 19 00-1567	EA		48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	28,569.19	2,036.11
			For Class 52 Rating, Deduct .....	-2,803.26	
			For Class 54 Rating, Add .....	1,911.31	
			For Class 55 Rating, Add .....	4,248.21	
40 05 19 00-1568	EA		48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	29,371.88	2,038.50
			For Class 52 Rating, Deduct .....	-2,891.16	
			For Class 54 Rating, Add .....	1,971.24	
			For Class 55 Rating, Add .....	4,381.41	
40 05 19 00-1569	EA		48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	30,169.13	2,040.90
			For Class 52 Rating, Deduct .....	-2,978.45	
			For Class 54 Rating, Add .....	2,030.76	
			For Class 55 Rating, Add .....	4,513.71	
40 05 19 00-1570	EA		48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	30,868.68	2,043.29
			For Class 52 Rating, Deduct .....	-3,055.01	
			For Class 54 Rating, Add .....	2,082.96	
			For Class 55 Rating, Add .....	4,629.72	
40 05 19 00-1571	EA		48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	31,769.06	2,045.68
			For Class 52 Rating, Deduct .....	-3,153.65	
			For Class 54 Rating, Add .....	2,150.22	
			For Class 55 Rating, Add .....	4,779.21	
40 05 19 00-1572	EA		48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	32,565.23	2,048.07
			For Class 52 Rating, Deduct .....	-3,240.83	
			For Class 54 Rating, Add .....	2,209.66	
			For Class 55 Rating, Add .....	4,911.33	
40 05 19 00-1573	EA		48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	33,369.00	2,050.46
			For Class 52 Rating, Deduct .....	-3,328.85	
			For Class 54 Rating, Add .....	2,269.67	
			For Class 55 Rating, Add .....	5,044.72	
40 05 19 00-1574	EA		48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	34,165.16	2,052.84
			For Class 52 Rating, Deduct .....	-3,416.03	
			For Class 54 Rating, Add .....	2,329.11	
			For Class 55 Rating, Add .....	5,176.83	
40 05 19 00-1575	EA		48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	34,961.34	2,055.23
			For Class 52 Rating, Deduct .....	-3,503.21	
			For Class 54 Rating, Add .....	2,388.55	
			For Class 55 Rating, Add .....	5,308.95	
40 05 19 00-1576	EA		48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	35,765.10	2,057.63
			For Class 52 Rating, Deduct .....	-3,591.22	
			For Class 54 Rating, Add .....	2,448.56	
			For Class 55 Rating, Add .....	5,442.33	
40 05 19 00-1577	EA		48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	36,561.26	2,060.02
			For Class 52 Rating, Deduct .....	-3,678.40	
			For Class 54 Rating, Add .....	2,508.00	
			For Class 55 Rating, Add .....	5,574.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1578	EA		48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,358.52	2,062.40
			<i>For Class 52 Rating, Deduct</i>	-3,765.70	
			<i>For Class 54 Rating, Add</i>	2,567.52	
			<i>For Class 55 Rating, Add</i>	5,706.75	
40 05 19 00-1579	EA		48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,161.20	2,064.80
			<i>For Class 52 Rating, Deduct</i>	-3,853.60	
			<i>For Class 54 Rating, Add</i>	2,627.45	
			<i>For Class 55 Rating, Add</i>	5,839.95	
<b>40 05 19 00-1580</b>			<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows</b> <small>(40 05 19 00-0001)</small>		
40 05 19 00-1581	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	323.43	115.30
40 05 19 00-1582	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	453.55	147.44
40 05 19 00-1583	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	631.94	167.01
40 05 19 00-1584	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	922.27	211.73
40 05 19 00-1585	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,139.60	234.79
40 05 19 00-1586	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,417.84	255.05
40 05 19 00-1587	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,746.68	314.45
40 05 19 00-1588	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,289.27	377.34
40 05 19 00-1589	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,820.74	475.17
40 05 19 00-1590	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	4,278.55	538.06
40 05 19 00-1591	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	7,182.53	712.75
40 05 19 00-1592	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	10,167.77	807.09
40 05 19 00-1593	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	16,999.86	922.38
40 05 19 00-1594	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	22,628.62	1,132.02
<b>40 05 19 00-1595</b>			<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows</b> <small>(40 05 19 00-0001)</small>		
40 05 19 00-1596	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	307.14	115.30
40 05 19 00-1597	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	427.50	147.44
40 05 19 00-1598	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	565.72	167.01
40 05 19 00-1599	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	826.73	211.73
40 05 19 00-1600	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,018.00	234.79
40 05 19 00-1601	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,170.30	255.05
40 05 19 00-1602	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,473.08	314.45
40 05 19 00-1603	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,921.22	377.34
40 05 19 00-1604	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,485.27	475.17
40 05 19 00-1605	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,266.70	538.06
40 05 19 00-1606	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	6,442.09	712.75
40 05 19 00-1607	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	9,627.10	807.09
40 05 19 00-1608	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	14,675.42	922.38
40 05 19 00-1609	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	19,999.11	1,132.02
<b>40 05 19 00-1610</b>			<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows</b> <small>(40 05 19 00-0001)</small>		
40 05 19 00-1611	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	306.06	115.30
40 05 19 00-1612	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	418.81	147.44
40 05 19 00-1613	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	558.12	167.01
40 05 19 00-1614	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	805.01	211.73
40 05 19 00-1615	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,065.77	234.79
40 05 19 00-1616	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,321.21	255.05
40 05 19 00-1617	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,506.74	314.45
40 05 19 00-1618	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,962.48	377.34
40 05 19 00-1619	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,664.40	475.17
40 05 19 00-1620	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,674.91	538.06
40 05 19 00-1621	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	6,514.83	712.75
40 05 19 00-1622	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	9,794.29	807.09
40 05 19 00-1623	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	15,008.72	922.38
40 05 19 00-1624	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	20,433.38	1,132.02
<b>40 05 19 00-1625</b>			<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows</b> <small>(40 05 19 00-0001)</small>		
40 05 19 00-1626	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	333.20	115.30
40 05 19 00-1627	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	469.84	147.44
40 05 19 00-1628	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	579.83	167.01
40 05 19 00-1629	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	882.10	211.73
40 05 19 00-1630	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,208.00	234.79
40 05 19 00-1631	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,358.12	255.05
40 05 19 00-1632	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,660.91	314.45
40 05 19 00-1633	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,962.48	377.34
40 05 19 00-1634	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,664.40	475.17
40 05 19 00-1635	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,821.48	538.06
40 05 19 00-1636	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	6,587.57	712.75
40 05 19 00-1637	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	9,865.95	807.09
40 05 19 00-1638	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	15,084.72	922.38
40 05 19 00-1639	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	20,586.46	1,132.02

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
40 05 19 00-1640		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows <small>(40 05 19 00-0001)</small>			
40 05 19 00-1641	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	428.13		131.37
40 05 19 00-1642	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	526.55		141.15
40 05 19 00-1643	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	593.24		157.23
40 05 19 00-1644	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	788.42		163.51
40 05 19 00-1645	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	833.39		179.59
40 05 19 00-1646	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	910.10		189.37
40 05 19 00-1647	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	847.67		175.39
40 05 19 00-1648	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	954.54		191.46
40 05 19 00-1649	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,095.30		201.24
40 05 19 00-1650	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,168.26		223.61
40 05 19 00-1651	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,095.30		201.24
40 05 19 00-1652	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,212.18		211.03
40 05 19 00-1653	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,350.27		233.39
40 05 19 00-1654	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,493.13		245.27
40 05 19 00-1655	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,262.98		230.95
40 05 19 00-1656	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,361.39		240.73
40 05 19 00-1657	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,561.38		263.09
40 05 19 00-1658	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,702.62		274.62
40 05 19 00-1659	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,822.20		284.76
40 05 19 00-1660	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,476.73		262.39
40 05 19 00-1661	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,761.89		272.17
40 05 19 00-1662	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,816.39		294.53
40 05 19 00-1663	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,917.47		306.06
40 05 19 00-1664	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,078.29		316.20
40 05 19 00-1665	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,266.60		345.90
40 05 19 00-1666	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,902.60		311.31
40 05 19 00-1667	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,029.24		321.09
40 05 19 00-1668	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,509.34		343.45
40 05 19 00-1669	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,603.89		354.98
40 05 19 00-1670	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,868.96		365.10
40 05 19 00-1671	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,810.82		394.81
40 05 19 00-1672	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,993.08		426.26
40 05 19 00-1673	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,664.61		342.75
40 05 19 00-1674	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,792.35		352.53
40 05 19 00-1675	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,004.28		374.89
40 05 19 00-1676	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,156.38		386.42
40 05 19 00-1677	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,439.89		396.56
40 05 19 00-1678	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,707.46		426.26
40 05 19 00-1679	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,799.61		457.70
40 05 19 00-1680	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,992.79		452.64
40 05 19 00-1681	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	4,739.19		473.77
40 05 19 00-1682	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	5,042.24		483.90
40 05 19 00-1683	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	5,680.03		513.60
40 05 19 00-1684	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	6,596.21		545.04
40 05 19 00-1685	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	7,622.47		593.96
40 05 19 00-1686	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,050.10		625.40
40 05 19 00-1687	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	6,511.92		520.93
40 05 19 00-1688	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,416.35		531.07
40 05 19 00-1689	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,859.97		560.77
40 05 19 00-1690	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,940.01		592.21
40 05 19 00-1691	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,561.39		641.13
40 05 19 00-1692	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	9,331.01		672.57
40 05 19 00-1693	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	9,960.60		759.92
40 05 19 00-1694	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	11,478.47		588.72
40 05 19 00-1695	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	9,696.26		618.42
40 05 19 00-1696	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	13,036.77		649.86
40 05 19 00-1697	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	12,836.21		698.78
40 05 19 00-1698	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	11,219.51		730.22
40 05 19 00-1699	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	13,214.88		817.56
40 05 19 00-1700	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	18,623.54		864.73
40 05 19 00-1701	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	17,826.37		843.77
40 05 19 00-1702	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	19,388.56		931.11
40 05 19 00-1703	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	19,959.44		978.28
40 05 19 00-1704	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	25,495.82		1,035.93
40 05 19 00-1705		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows <small>(40 05 19 00-0001)</small>			
40 05 19 00-1706	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	383.14		115.30
40 05 19 00-1707	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	587.09		147.44
40 05 19 00-1708	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	855.59		167.01
40 05 19 00-1709	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	1,213.23		211.73
40 05 19 00-1710	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	1,705.24		234.79
40 05 19 00-1711	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	1,985.65		255.05
40 05 19 00-1712	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	2,573.96		314.45
40 05 19 00-1713	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	3,187.12		377.34
40 05 19 00-1714	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	4,340.69		475.17
40 05 19 00-1715	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	6,356.54		538.06
40 05 19 00-1716	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	11,159.37		712.75
40 05 19 00-1717	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	16,952.18		807.09
40 05 19 00-1718	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	26,244.42		922.38

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-1719 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base (40 05 19 00-0001)

40 05 19 00-1720 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	403.77	115.30
40 05 19 00-1721 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	546.92	147.44
40 05 19 00-1722 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	883.82	167.01
40 05 19 00-1723 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,192.60	211.73
40 05 19 00-1724 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,595.59	234.79
40 05 19 00-1725 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,881.42	255.05
40 05 19 00-1726 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,324.26	314.45
40 05 19 00-1727 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,917.87	377.34
40 05 19 00-1728 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,847.79	475.17
40 05 19 00-1729 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,418.51	538.06
40 05 19 00-1730 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	8,860.99	712.75
40 05 19 00-1731 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	12,643.12	807.09
40 05 19 00-1732 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	23,408.63	922.38
40 05 19 00-1733 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	25,259.23	1,132.02

40 05 19 00-1734 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees (40 05 19 00-0001)

40 05 19 00-1735 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	551.99	185.18
40 05 19 00-1736 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	683.88	227.80
40 05 19 00-1737 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	951.02	254.35
40 05 19 00-1738 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,360.65	330.52
40 05 19 00-1739 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,797.02	360.56
40 05 19 00-1740 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,393.10	387.82
40 05 19 00-1741 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,718.15	489.14
40 05 19 00-1742 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,309.32	559.02
40 05 19 00-1743 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	4,174.37	705.76
40 05 19 00-1744 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	6,111.67	779.14
40 05 19 00-1745 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	10,366.95	1,076.12
40 05 19 00-1746 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	14,899.02	1,233.34
40 05 19 00-1747 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	30,657.86	1,425.50

40 05 19 00-1748 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees (40 05 19 00-0001)

40 05 19 00-1749 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	687.95	206.84
40 05 19 00-1750 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	845.22	211.03
40 05 19 00-1751 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	848.54	237.59
40 05 19 00-1752 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,108.17	233.39
40 05 19 00-1753 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,098.46	259.95
40 05 19 00-1754 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,158.62	276.71
40 05 19 00-1755 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,397.59	245.27
40 05 19 00-1756 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,397.66	271.82
40 05 19 00-1757 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,476.26	288.60
40 05 19 00-1758 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,758.63	342.40
40 05 19 00-1759 EA 14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,022.56	255.05
40 05 19 00-1760 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,983.54	281.60
40 05 19 00-1761 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,071.92	298.38
40 05 19 00-1762 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,193.61	352.18
40 05 19 00-1763 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,325.90	370.70
40 05 19 00-1764 EA 16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,449.72	284.76
40 05 19 00-1765 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,264.13	311.31
40 05 19 00-1766 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,230.91	328.07
40 05 19 00-1767 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,617.51	381.88
40 05 19 00-1768 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,544.61	400.40
40 05 19 00-1769 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,833.27	417.51
40 05 19 00-1770 EA 18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,991.34	316.20
40 05 19 00-1771 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,269.43	342.75
40 05 19 00-1772 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,725.86	359.52
40 05 19 00-1773 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,743.33	413.32
40 05 19 00-1774 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,983.09	431.84
40 05 19 00-1775 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,253.30	448.97
40 05 19 00-1776 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,486.68	520.59
40 05 19 00-1777 EA 20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,563.52	365.10
40 05 19 00-1778 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,320.66	391.66
40 05 19 00-1779 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,390.58	408.43
40 05 19 00-1780 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,539.42	462.24
40 05 19 00-1781 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,678.21	480.76
40 05 19 00-1782 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,726.95	497.87
40 05 19 00-1783 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,483.62	569.50
40 05 19 00-1784 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,586.37	607.93
40 05 19 00-1785 EA 24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,377.92	396.56
40 05 19 00-1786 EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,792.80	423.11
40 05 19 00-1787 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,964.78	439.88
40 05 19 00-1788 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,127.73	493.68
40 05 19 00-1789 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,620.45	512.20
40 05 19 00-1790 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,735.43	529.33
40 05 19 00-1791 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,902.58	600.94
40 05 19 00-1792 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,421.03	639.38
40 05 19 00-1793 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,644.91	683.23
40 05 19 00-1794 EA 30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,741.30	510.46
40 05 19 00-1795 EA 30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,789.52	527.22
40 05 19 00-1796 EA 30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,015.44	581.03
40 05 19 00-1797 EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,043.50	599.55

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1798	EA		30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,069.44	616.67
40 05 19 00-1799	EA		30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,249.61	688.29
40 05 19 00-1800	EA		30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,355.61	726.73
40 05 19 00-1801	EA		30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,622.18	824.55
40 05 19 00-1802	EA		30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,009.06	866.48
40 05 19 00-1803	EA		36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,682.63	730.57
40 05 19 00-1804	EA		36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,422.54	743.84
40 05 19 00-1805	EA		36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,504.13	781.93
40 05 19 00-1806	EA		36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,598.55	796.95
40 05 19 00-1807	EA		36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,643.08	810.58
40 05 19 00-1808	EA		36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,767.61	861.24
40 05 19 00-1809	EA		36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,844.42	896.18
40 05 19 00-1810	EA		36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,051.13	969.55
40 05 19 00-1811	EA		36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,322.77	1,006.23
40 05 19 00-1812	EA		36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,113.14	1,154.73
40 05 19 00-1813	EA		42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	19,007.07	632.04
40 05 19 00-1814	EA		42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,203.85	685.84
40 05 19 00-1815	EA		42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,231.91	704.36
40 05 19 00-1816	EA		42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,282.82	721.49
40 05 19 00-1817	EA		42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,442.38	793.11
40 05 19 00-1818	EA		42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,628.71	831.55
40 05 19 00-1819	EA		42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,776.93	929.37
40 05 19 00-1820	EA		42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	18,044.57	971.30
40 05 19 00-1821	EA		42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,855.82	1,180.93
40 05 19 00-1822	EA		48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	29,330.38	1,290.99
40 05 19 00-1823	EA		48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,277.49	817.91
40 05 19 00-1824	EA		48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,303.42	835.04
40 05 19 00-1825	EA		48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,487.95	906.67
40 05 19 00-1826	EA		48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,546.18	945.09
40 05 19 00-1827	EA		48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,795.37	1,042.93
40 05 19 00-1828	EA		48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,038.03	1,084.85
40 05 19 00-1829	EA		48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,713.93	1,294.48

**40 05 19 00-1830 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base** (40 05 19 00-0001)

40 05 19 00-1831	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	593.25	185.18
40 05 19 00-1832	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	802.22	227.80
40 05 19 00-1833	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,155.13	254.35
40 05 19 00-1834	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,746.07	330.52
40 05 19 00-1835	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	2,331.18	360.56
40 05 19 00-1836	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	2,601.55	387.82
40 05 19 00-1837	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	3,230.59	489.14
40 05 19 00-1838	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	3,918.39	559.02
40 05 19 00-1839	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	5,225.31	705.76
40 05 19 00-1840	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	7,481.80	779.14
40 05 19 00-1841	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	12,500.31	1,076.12
40 05 19 00-1842	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	17,764.13	1,233.34

**40 05 19 00-1843 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes** (40 05 19 00-0001)

40 05 19 00-1844	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	489.02	185.18
40 05 19 00-1845	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	678.45	227.80
40 05 19 00-1846	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	967.30	254.35
40 05 19 00-1847	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,270.54	330.52
40 05 19 00-1848	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,791.60	360.56
40 05 19 00-1849	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	2,310.58	387.82

**40 05 19 00-1850 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses** (40 05 19 00-0001)

40 05 19 00-1851	EA		4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	671.97	255.05
40 05 19 00-1852	EA		6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	875.81	276.36
40 05 19 00-1853	EA		6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	930.50	308.16
40 05 19 00-1854	EA		8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,069.42	280.90
40 05 19 00-1855	EA		8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,167.88	317.95
40 05 19 00-1856	EA		8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,211.48	341.70
40 05 19 00-1857	EA		10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,372.56	303.27
40 05 19 00-1858	EA		10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,512.27	340.31
40 05 19 00-1859	EA		10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,652.49	364.06
40 05 19 00-1860	EA		10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,050.90	449.32
40 05 19 00-1861	EA		12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,763.49	314.80
40 05 19 00-1862	EA		12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,860.87	351.83
40 05 19 00-1863	EA		12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,002.17	375.59
40 05 19 00-1864	EA		12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,421.22	460.84
40 05 19 00-1865	EA		12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,289.41	486.35
40 05 19 00-1866	EA		14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,208.43	361.96
40 05 19 00-1867	EA		14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,348.66	385.72
40 05 19 00-1868	EA		14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,623.31	470.97
40 05 19 00-1869	EA		14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,849.77	496.48
40 05 19 00-1870	EA		14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,989.44	520.59
40 05 19 00-1871	EA		16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,627.99	391.66
40 05 19 00-1872	EA		16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,787.75	415.42
40 05 19 00-1873	EA		16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,062.41	500.68
40 05 19 00-1874	EA		16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,309.50	526.17



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1875	EA	16" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,582.61	550.28
40 05 19 00-1876	EA	16" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,766.70	663.84
40 05 19 00-1877	EA	18" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,738.60	423.11
40 05 19 00-1878	EA	18" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,897.29	446.87
40 05 19 00-1879	EA	18" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,130.68	532.12
40 05 19 00-1880	EA	18" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,376.69	557.63
40 05 19 00-1881	EA	18" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,869.20	581.73
40 05 19 00-1882	EA	18" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,229.07	695.28
40 05 19 00-1883	EA	18" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,422.74	740.70
40 05 19 00-1884	EA	20" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,554.23	472.02
40 05 19 00-1885	EA	20" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,723.78	495.78
40 05 19 00-1886	EA	20" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,941.97	581.03
40 05 19 00-1887	EA	20" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,204.26	606.53
40 05 19 00-1888	EA	20" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,285.31	630.64
40 05 19 00-1889	EA	20" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,217.33	744.20
40 05 19 00-1890	EA	20" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,419.69	789.61
40 05 19 00-1891	EA	20" x 20"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,955.78	936.36
40 05 19 00-1892	EA	24" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,674.53	503.47
40 05 19 00-1893	EA	24" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,798.48	527.22
40 05 19 00-1894	EA	24" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,083.97	612.48
40 05 19 00-1895	EA	24" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,257.25	637.99
40 05 19 00-1896	EA	24" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,361.09	662.08
40 05 19 00-1897	EA	24" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,689.47	775.64
40 05 19 00-1898	EA	24" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,345.55	821.06
40 05 19 00-1899	EA	24" x 20"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,774.89	913.83
40 05 19 00-1900	EA	24" x 24"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	8,562.53	1,020.21
40 05 19 00-1901	EA	30" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	8,593.44	725.33
40 05 19 00-1902	EA	30" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	8,653.84	749.44
40 05 19 00-1903	EA	30" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	8,993.08	862.99
40 05 19 00-1904	EA	30" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	9,109.67	908.41
40 05 19 00-1905	EA	30" x 20"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	9,595.84	1,055.15
40 05 19 00-1906	EA	30" x 24"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,428.52	1,107.56
40 05 19 00-1907	EA	30" x 30"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	14,150.65	1,439.47
40 05 19 00-1908	EA	36" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,122.43	922.73
40 05 19 00-1909	EA	36" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,153.66	943.35
40 05 19 00-1910	EA	36" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,439.43	1,035.93
40 05 19 00-1911	EA	36" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,549.63	1,077.86
40 05 19 00-1912	EA	36" x 20"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,950.96	1,200.14
40 05 19 00-1913	EA	36" x 24"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,405.68	1,247.31
40 05 19 00-1914	EA	36" x 30"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,100.03	1,518.09
40 05 19 00-1915	EA	36" x 36"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	19,846.33	1,659.59
40 05 19 00-1916	EA	42" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,805.72	830.15
40 05 19 00-1917	EA	42" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,842.25	854.26
40 05 19 00-1918	EA	42" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,167.39	967.81
40 05 19 00-1919	EA	42" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,261.18	1,013.22
40 05 19 00-1920	EA	42" x 20"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,713.67	1,159.97
40 05 19 00-1921	EA	42" x 24"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	19,176.33	1,212.38
40 05 19 00-1922	EA	42" x 30"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,683.13	1,544.29
40 05 19 00-1923	EA	42" x 42"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,036.66	1,717.24
40 05 19 00-1924	EA	48" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,342.53	1,928.62
40 05 19 00-1925	EA	48" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	23,860.69	967.81
40 05 19 00-1926	EA	48" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,186.91	1,081.35
40 05 19 00-1927	EA	48" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,280.69	1,126.78
40 05 19 00-1928	EA	48" x 20"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,707.14	1,273.52
40 05 19 00-1929	EA	48" x 24"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,169.79	1,325.93
40 05 19 00-1930	EA	48" x 30"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,362.10	1,657.84

**40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers (40 05 19 00-0001)**

40 05 19 00-1932	EA	6" x 4"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	357.56	131.37
40 05 19 00-1933	EA	8" x 4"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	451.63	141.15
40 05 19 00-1934	EA	8" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	497.70	157.23
40 05 19 00-1935	EA	10" x 4"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	602.77	163.51
40 05 19 00-1936	EA	10" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	610.82	179.59
40 05 19 00-1937	EA	10" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	710.34	189.37
40 05 19 00-1938	EA	12" x 4"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	764.08	175.39
40 05 19 00-1939	EA	12" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	791.68	191.46
40 05 19 00-1940	EA	12" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	866.22	201.24
40 05 19 00-1941	EA	12" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	973.92	223.61
40 05 19 00-1942	EA	14" x 4"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,180.36	191.46
40 05 19 00-1943	EA	14" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	948.73	201.24
40 05 19 00-1944	EA	14" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,047.16	211.03
40 05 19 00-1945	EA	14" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,151.59	233.39
40 05 19 00-1946	EA	14" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,122.91	245.27
40 05 19 00-1947	EA	16" x 4"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,394.95	214.87
40 05 19 00-1948	EA	16" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,140.30	230.95
40 05 19 00-1949	EA	16" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,081.29	240.73
40 05 19 00-1950	EA	16" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,204.19	263.09
40 05 19 00-1951	EA	16" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,483.31	274.62
40 05 19 00-1952	EA	16" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,594.20	284.76
40 05 19 00-1953	EA	18" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,763.35	262.39
40 05 19 00-1954	EA	18" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,409.04	272.17
40 05 19 00-1955	EA	18" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,547.14	294.53
40 05 19 00-1956	EA	18" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,539.65	306.06

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1957	EA		18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,765.61	316.20
40 05 19 00-1958	EA		18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,768.27	345.90
40 05 19 00-1959	EA		20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,812.48	311.31
40 05 19 00-1960	EA		20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,761.08	321.09
40 05 19 00-1961	EA		20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,906.78	343.45
40 05 19 00-1962	EA		20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,862.37	354.98
40 05 19 00-1963	EA		20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,141.55	365.10
40 05 19 00-1964	EA		20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,019.36	394.81
40 05 19 00-1965	EA		20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,479.55	426.26
40 05 19 00-1966	EA		24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,366.77	352.53
40 05 19 00-1967	EA		24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,668.80	374.89
40 05 19 00-1968	EA		24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,867.59	386.42
40 05 19 00-1969	EA		24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,943.74	396.56
40 05 19 00-1970	EA		24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,618.52	426.26
40 05 19 00-1971	EA		24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	3,151.46	457.70
40 05 19 00-1972	EA		24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	3,322.93	452.64
40 05 19 00-1973	EA		30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	4,512.92	513.60
40 05 19 00-1974	EA		30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	4,704.95	545.04
40 05 19 00-1975	EA		30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	5,066.78	593.96
40 05 19 00-1976	EA		30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	5,593.20	625.40
40 05 19 00-1977	EA		36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	6,141.25	560.77
40 05 19 00-1978	EA		36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	6,451.63	592.21
40 05 19 00-1979	EA		36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	6,861.21	641.13
40 05 19 00-1980	EA		36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	7,460.38	672.57
40 05 19 00-1981	EA		36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	8,598.07	759.92
40 05 19 00-1982	EA		42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	10,401.99	730.22
40 05 19 00-1983	EA		42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	11,758.98	817.56
40 05 19 00-1984	EA		42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	13,286.34	864.73
40 05 19 00-1985	EA		48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	13,203.55	843.77
40 05 19 00-1986	EA		48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	14,816.76	931.11
40 05 19 00-1987	EA		48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	16,548.23	978.28
40 05 19 00-1988	EA		48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	18,525.75	1,035.93

#### 40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-0001)

40 05 19 00-1990	EA		6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	386.87	131.37
40 05 19 00-1991	EA		8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	485.29	141.15
40 05 19 00-1992	EA		8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	550.90	157.23
40 05 19 00-1993	EA		10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	602.77	163.51
40 05 19 00-1994	EA		10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	646.65	179.59
40 05 19 00-1995	EA		10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	743.99	189.37
40 05 19 00-1996	EA		12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	764.08	175.39
40 05 19 00-1997	EA		12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	830.77	191.46
40 05 19 00-1998	EA		12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	907.47	201.24
40 05 19 00-1999	EA		12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,045.58	223.61
40 05 19 00-2000	EA		14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	948.73	201.24
40 05 19 00-2001	EA		14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,026.53	211.03
40 05 19 00-2002	EA		14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,144.00	233.39
40 05 19 00-2003	EA		14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,306.39	245.27
40 05 19 00-2004	EA		16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,140.30	230.95
40 05 19 00-2005	EA		16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,236.54	240.73
40 05 19 00-2006	EA		16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,374.65	263.09
40 05 19 00-2007	EA		16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,516.97	274.62
40 05 19 00-2008	EA		16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,594.20	284.76
40 05 19 00-2009	EA		18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,409.04	272.17
40 05 19 00-2010	EA		18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,547.14	294.53
40 05 19 00-2011	EA		18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,689.47	306.06
40 05 19 00-2012	EA		18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,765.61	316.20
40 05 19 00-2013	EA		18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,935.46	345.90
40 05 19 00-2014	EA		20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,044.82	311.31
40 05 19 00-2015	EA		20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,872.90	321.09
40 05 19 00-2016	EA		20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,906.78	343.45
40 05 19 00-2017	EA		20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,080.59	354.98
40 05 19 00-2018	EA		20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,141.55	365.10
40 05 19 00-2019	EA		20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,340.72	394.81
40 05 19 00-2020	EA		20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,478.47	426.26
40 05 19 00-2021	EA		24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,590.42	352.53
40 05 19 00-2022	EA		24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,668.80	374.89
40 05 19 00-2023	EA		24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,730.79	386.42
40 05 19 00-2024	EA		24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,790.66	396.56
40 05 19 00-2025	EA		24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,993.08	426.26
40 05 19 00-2026	EA		24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,151.46	457.70
40 05 19 00-2027	EA		24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,322.93	452.64
40 05 19 00-2028	EA		30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	5,378.80	483.90
40 05 19 00-2029	EA		30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	5,255.52	513.60
40 05 19 00-2030	EA		30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,728.84	545.04
40 05 19 00-2031	EA		30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	5,066.78	593.96
40 05 19 00-2032	EA		30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	5,593.20	625.40
40 05 19 00-2033	EA		36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	6,189.02	560.77
40 05 19 00-2034	EA		36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	6,451.63	592.21
40 05 19 00-2035	EA		36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	6,837.33	641.13
40 05 19 00-2036	EA		36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	7,434.32	672.57
40 05 19 00-2037	EA		36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	8,574.18	759.92
40 05 19 00-2038	EA		42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	10,401.99	730.22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-2039	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....		8,827.64	817.56
40 05 19 00-2040	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....		13,286.34	864.73
40 05 19 00-2041	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....		14,816.76	931.11
40 05 19 00-2042	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....		16,548.23	978.28
40 05 19 00-2043	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....		18,525.75	1,035.93

**40 05 19 00-2044 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges<sup>(40)</sup>**

		<small>05 19 00-0001</small>			
40 05 19 00-2045	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....		137.22	45.42
40 05 19 00-2046	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....		205.87	67.08
40 05 19 00-2047	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....		295.49	79.66
40 05 19 00-2048	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....		403.54	92.93
40 05 19 00-2049	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....		519.10	109.01
40 05 19 00-2050	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....		682.52	122.29
40 05 19 00-2051	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....		814.30	139.75
40 05 19 00-2052	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....		1,104.20	195.65
40 05 19 00-2053	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....		1,463.84	244.57
40 05 19 00-2054	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....		2,076.32	296.98
40 05 19 00-2055	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....		2,914.75	345.90
40 05 19 00-2056	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....		5,165.10	380.83
40 05 19 00-2057	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....		7,262.24	419.27
40 05 19 00-2058	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....		9,583.58	471.67

**40 05 19 00-2059 Ductile Iron Bolt Packs<sup>(40 05 19)</sup>**

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-2060	EA	4" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		38.62	
		Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.			
		<i>For Zinc Plated, Add</i>		10.81	
		<i>For Hot Dip Galvanized, Add</i>		15.45	
40 05 19 00-2061	EA	6" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		59.59	
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.			
		<i>For Zinc Plated, Add</i>		16.69	
		<i>For Hot Dip Galvanized, Add</i>		23.84	
40 05 19 00-2062	EA	8" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		64.71	
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.			
		<i>For Zinc Plated, Add</i>		18.12	
		<i>For Hot Dip Galvanized, Add</i>		25.88	
40 05 19 00-2063	EA	10" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		145.35	
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.			
		<i>For Zinc Plated, Add</i>		40.70	
		<i>For Hot Dip Galvanized, Add</i>		58.14	
40 05 19 00-2064	EA	12" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		146.63	
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.			
		<i>For Zinc Plated, Add</i>		41.06	
		<i>For Hot Dip Galvanized, Add</i>		58.65	
40 05 19 00-2065	EA	14" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		164.28	
		Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.			
		<i>For Zinc Plated, Add</i>		46.00	
		<i>For Hot Dip Galvanized, Add</i>		65.71	
40 05 19 00-2066	EA	16" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		276.17	
		Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.			
		<i>For Zinc Plated, Add</i>		77.33	
		<i>For Hot Dip Galvanized, Add</i>		110.47	
40 05 19 00-2067	EA	18" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		401.20	
		Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.			
		<i>For Zinc Plated, Add</i>		112.34	
		<i>For Hot Dip Galvanized, Add</i>		160.48	
40 05 19 00-2068	EA	20" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		506.57	
		Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.			
		<i>For Zinc Plated, Add</i>		141.84	
		<i>For Hot Dip Galvanized, Add</i>		202.63	
40 05 19 00-2069	EA	24" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		724.81	
		Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.			
		<i>For Zinc Plated, Add</i>		202.95	
		<i>For Hot Dip Galvanized, Add</i>		289.92	
40 05 19 00-2070	EA	30" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		1,145.31	
		Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.			
		<i>For Zinc Plated, Add</i>		320.69	
		<i>For Hot Dip Galvanized, Add</i>		458.12	
40 05 19 00-2071	EA	36" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		1,633.81	
		Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.			
		<i>For Zinc Plated, Add</i>		457.47	
		<i>For Hot Dip Galvanized, Add</i>		653.52	
40 05 19 00-2072	EA	42" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		2,101.85	
		Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.			
		<i>For Zinc Plated, Add</i>		588.52	
		<i>For Hot Dip Galvanized, Add</i>		840.74	
40 05 19 00-2073	EA	48" Pipe Diameter, Ductile Iron Flange Bolt Pack.....		2,568.93	
		Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.			
		<i>For Zinc Plated, Add</i>		719.30	
		<i>For Hot Dip Galvanized, Add</i>		1,027.57	

**40 05 19 00-2074 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15<sup>(40 05 19)</sup>**

Note: Labor installation is included with pipe fittings or valves.

**40 05 19 00-2075 Full Face Flange Styrene Butadiene (SBR) Gaskets<sup>(40 05 19 00-2074)</sup>**

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-2076	EA	4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	6.52	
40 05 19 00-2077	EA	6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	8.30	
40 05 19 00-2078	EA	8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	11.26	
40 05 19 00-2079	EA	10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	13.04	
40 05 19 00-2080	EA	12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	14.22	
40 05 19 00-2081	EA	14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	23.70	
40 05 19 00-2082	EA	16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	29.03	
40 05 19 00-2083	EA	18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	30.81	
40 05 19 00-2084	EA	20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	47.40	
40 05 19 00-2085	EA	24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	50.96	
40 05 19 00-2086	EA	30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	65.77	
40 05 19 00-2087	EA	36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	75.25	
40 05 19 00-2088	EA	42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	80.58	
40 05 19 00-2089	EA	48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	88.28	

**40 05 19 00-2090 Full Face Flange Nitrile Buna-N (NBR) Gaskets (40 05 19 00-2074)**

Note: (Acrylonitrile Butadiene)

40 05 19 00-2091	EA	4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	20.14	
40 05 19 00-2092	EA	6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	28.44	
40 05 19 00-2093	EA	8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	43.84	
40 05 19 00-2094	EA	10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	47.99	
40 05 19 00-2095	EA	12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	51.55	
40 05 19 00-2096	EA	14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	97.17	
40 05 19 00-2097	EA	16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	119.68	
40 05 19 00-2098	EA	18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	120.28	
40 05 19 00-2099	EA	20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	125.02	
40 05 19 00-2100	EA	24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	132.13	
40 05 19 00-2101	EA	30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	146.35	
40 05 19 00-2102	EA	36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	161.16	
40 05 19 00-2103	EA	42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	229.30	
40 05 19 00-2104	EA	48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	250.63	

**40 05 19 00-2105 Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets (40 05 19 00-2074)**

Note: (40 05 19 00-2074)

40 05 19 00-2106	EA	4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	17.78	
40 05 19 00-2107	EA	6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	23.11	
40 05 19 00-2108	EA	8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	31.40	
40 05 19 00-2109	EA	10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	36.74	
40 05 19 00-2110	EA	12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	40.88	
40 05 19 00-2111	EA	14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	67.54	
40 05 19 00-2112	EA	16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	81.17	
40 05 19 00-2113	EA	18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	81.76	
40 05 19 00-2114	EA	20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	83.54	
40 05 19 00-2115	EA	24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	97.17	
40 05 19 00-2116	EA	30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	119.09	
40 05 19 00-2117	EA	36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	135.68	
40 05 19 00-2118	EA	42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	194.34	
40 05 19 00-2119	EA	48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	214.48	

**40 05 19 00-2120 Full Face Flange Neoprene Gaskets (40 05 19 00-2074)**

Note: (Polychloroprene)

40 05 19 00-2121	EA	4" Full Face Flange Neoprene Gasket, 1/8" Thick	20.74	
40 05 19 00-2122	EA	6" Full Face Flange Neoprene Gasket, 1/8" Thick	29.03	
40 05 19 00-2123	EA	8" Full Face Flange Neoprene Gasket, 1/8" Thick	44.44	
40 05 19 00-2124	EA	10" Full Face Flange Neoprene Gasket, 1/8" Thick	47.99	
40 05 19 00-2125	EA	12" Full Face Flange Neoprene Gasket, 1/8" Thick	51.55	
40 05 19 00-2126	EA	14" Full Face Flange Neoprene Gasket, 1/8" Thick	68.73	
40 05 19 00-2127	EA	16" Full Face Flange Neoprene Gasket, 1/8" Thick	120.87	
40 05 19 00-2128	EA	18" Full Face Flange Neoprene Gasket, 1/8" Thick	121.46	
40 05 19 00-2129	EA	20" Full Face Flange Neoprene Gasket, 1/8" Thick	128.57	
40 05 19 00-2130	EA	24" Full Face Flange Neoprene Gasket, 1/8" Thick	130.35	
40 05 19 00-2131	EA	30" Full Face Flange Neoprene Gasket, 1/8" Thick	141.61	
40 05 19 00-2132	EA	36" Full Face Flange Neoprene Gasket, 1/8" Thick	159.38	
40 05 19 00-2133	EA	42" Full Face Flange Neoprene Gasket, 1/8" Thick	231.08	
40 05 19 00-2134	EA	48" Full Face Flange Neoprene Gasket, 1/8" Thick	253.00	

**40 05 19 00-2135 Full Face Flange FKM Gaskets (40 05 19 00-2074)**

Note: (Fluoroelastomer Fluorel Viton®)

40 05 19 00-2136	EA	4" Full Face Flange FKM Gasket, 1/8" Thick	61.07	
40 05 19 00-2137	EA	6" Full Face Flange FKM Gasket, 1/8" Thick	90.93	
40 05 19 00-2138	EA	8" Full Face Flange FKM Gasket, 1/8" Thick	121.46	
40 05 19 00-2139	EA	10" Full Face Flange FKM Gasket, 1/8" Thick	146.57	
40 05 19 00-2140	EA	12" Full Face Flange FKM Gasket, 1/8" Thick	190.67	
40 05 19 00-2141	EA	14" Full Face Flange FKM Gasket, 1/8" Thick	348.77	
40 05 19 00-2142	EA	16" Full Face Flange FKM Gasket, 1/8" Thick	399.67	
40 05 19 00-2143	EA	18" Full Face Flange FKM Gasket, 1/8" Thick	418.67	
40 05 19 00-2144	EA	20" Full Face Flange FKM Gasket, 1/8" Thick	446.49	
40 05 19 00-2145	EA	24" Full Face Flange FKM Gasket, 1/8" Thick	617.48	
40 05 19 00-2146	EA	30" Full Face Flange FKM Gasket, 1/8" Thick	740.30	
40 05 19 00-2147	EA	36" Full Face Flange FKM Gasket, 1/8" Thick	781.01	
40 05 19 00-2148	EA	42" Full Face Flange FKM Gasket, 1/8" Thick	973.72	
40 05 19 00-2149	EA	48" Full Face Flange FKM Gasket, 1/8" Thick	1,020.54	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

<b>40 05 19 00-2150</b>	<b>Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) (40 05 19)</b>		
40 05 19 00-2151	EA 4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	326.60	63.94
40 05 19 00-2152	EA 6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	452.14	78.06
40 05 19 00-2153	EA 8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	667.67	95.20
40 05 19 00-2154	EA 10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	915.85	116.14
40 05 19 00-2155	EA 12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	1,162.26	141.62
40 05 19 00-2156	EA 14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	1,862.96	172.78
40 05 19 00-2157	EA 16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	2,924.94	210.87
40 05 19 00-2158	EA 18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	3,023.26	257.18
40 05 19 00-2159	EA 20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	3,703.84	313.83
40 05 19 00-2160	EA 24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	4,129.50	382.80
40 05 19 00-2161	EA 30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	5,319.95	467.10
40 05 19 00-2162	EA 36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	7,898.91	569.78
40 05 19 00-2163	EA 42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	20,529.20	695.20
40 05 19 00-2164	EA 48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	26,219.18	848.09

**40 05 23 Stainless Steel Process Pipe and Tubing (40 05)**

**40 05 23 23 300- and 400-Series Stainless Steel Process Pipe (40 05 23)**

<b>40 05 23 23-0001</b>	<b>Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly (40 05 23 23)</b>		
	Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.		
40 05 23 23-0002	LF 1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly.....	28.00	8.34
	Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	For Type 316, Add	2.92	
	For Work In Restricted Working Space, Add	5.03	
40 05 23 23-0003	LF 3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly.....	31.70	9.56
	Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	For Type 316, Add	3.06	
	For Work In Restricted Working Space, Add	5.98	
40 05 23 23-0004	LF 1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly.....	36.91	10.78
	Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	For Type 316, Add	3.59	
	For Work In Restricted Working Space, Add	6.93	
40 05 23 23-0005	LF 1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly.....	42.31	13.03
	Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	For Type 316, Add	4.53	
	For Work In Restricted Working Space, Add	7.47	
40 05 23 23-0006	LF 1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly.....	46.63	13.40
	Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	For Type 316, Add	5.19	
	For Work In Restricted Working Space, Add	8.00	
40 05 23 23-0007	LF 2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly.....	56.47	17.71
	Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	For Type 316, Add	6.33	
	For Work In Restricted Working Space, Add	9.64	
40 05 23 23-0008	LF 2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly.....	81.66	21.83
	Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	For Type 316, Add	10.88	
	For Work In Restricted Working Space, Add	11.94	
40 05 23 23-0009	LF 3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly.....	103.21	25.30
	Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	For Type 316, Add	14.17	
	For Work In Restricted Working Space, Add	14.61	
40 05 23 23-0010	LF 4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly.....	140.27	25.30
	Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	For Work In Restricted Working Space, Add	18.54	

**40 05 23 23-0011 Stainless Steel Tubing And Fittings (40 05 23 23)**

**40 05 23 23-0012 Type 304 Tubing (40 05 23 23-0011)**

**40 05 23 23-0013 0.035" Wall (40 05 23 23-0012)**

40 05 23 23-0014	LF 1/4", 0.035" Wall, Type 304, Stainless Steel Tubing .....	7.48	2.75
	For Work In Restricted Working Space, Add	1.64	
40 05 23 23-0015	LF 3/8", 0.035" Wall, Type 304, Stainless Steel Tubing .....	8.66	3.26
	For Work In Restricted Working Space, Add	1.96	
40 05 23 23-0016	LF 1/2", 0.035" Wall, Type 304, Stainless Steel Tubing .....	10.35	3.87
	For Work In Restricted Working Space, Add	2.30	
40 05 23 23-0017	LF 5/8", 0.035" Wall, Type 304, Stainless Steel Tubing .....	16.98	4.38
	For Work In Restricted Working Space, Add	2.62	
40 05 23 23-0018	LF 3/4", 0.035" Wall, Type 304, Stainless Steel Tubing .....	20.14	4.89
	For Work In Restricted Working Space, Add	2.95	
40 05 23 23-0019	LF 7/8", 0.035" Wall, Type 304, Stainless Steel Tubing .....	22.30	5.50
	For Work In Restricted Working Space, Add	3.29	
40 05 23 23-0020	LF 1", 0.035" Wall, Type 304, Stainless Steel Tubing .....	24.89	6.61
	For Work In Restricted Working Space, Add	3.94	

**40 05 23 23-0021 0.049" Wall (40 05 23 23-0012)**

40 05 23 23-0022	LF 1/4", 0.049" Wall, Type 304, Stainless Steel Tubing .....	12.53	3.26
	For Work In Restricted Working Space, Add	1.96	
40 05 23 23-0023	LF 3/8", 0.049" Wall, Type 304, Stainless Steel Tubing .....	13.96	3.87
	For Work In Restricted Working Space, Add	2.30	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0024	LF		1/2", 0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	16.80 2.62	4.38
40 05 23 23-0025	LF		5/8", 0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	21.26 3.29	5.50
40 05 23 23-0026	LF		3/4", 0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	24.31 3.94	6.61
40 05 23 23-0027	LF		7/8", 0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	27.29 4.59	7.63
40 05 23 23-0028	LF		1", 0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	31.50 5.22	8.65
<b>40 05 23 23-0029</b>			<b>0.065" Wall</b> <small>(40 05 23 23-0012)</small>		
40 05 23 23-0030	LF		1/4", 0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	14.63 2.30	3.87
40 05 23 23-0031	LF		3/8", 0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	16.85 2.62	4.38
40 05 23 23-0032	LF		1/2", 0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	20.77 3.29	5.50
40 05 23 23-0033	LF		5/8", 0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	24.40 3.94	6.61
40 05 23 23-0034	LF		3/4", 0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	28.78 4.59	7.63
40 05 23 23-0035	LF		7/8", 0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	33.07 5.22	8.65
40 05 23 23-0036	LF		1", 0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	37.27 5.87	9.77
<b>40 05 23 23-0037</b>			<b>Type 304 Tube Fittings</b> <small>(40 05 23 23-0011)</small>		
<b>40 05 23 23-0038</b>			<b>90 Degree Elbows</b> <small>(40 05 23 23-0037)</small>		
40 05 23 23-0039	EA		1/4", Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	47.36 6.57	10.99
40 05 23 23-0040	EA		3/8", Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	56.06 7.19	12.01
40 05 23 23-0041	EA		1/2", Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	84.72 8.14	13.54
40 05 23 23-0042	EA		5/8", Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	90.46 9.12	15.16
40 05 23 23-0043	EA		3/4", Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	101.21 9.85	16.39
40 05 23 23-0044	EA		7/8", Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	138.51 10.91	18.22
40 05 23 23-0045	EA		1", Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	176.47 13.00	21.68
<b>40 05 23 23-0046</b>			<b>Union Tees</b> <small>(40 05 23 23-0037)</small>		
40 05 23 23-0047	EA		1/4", Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	75.19 9.85	16.39
40 05 23 23-0048	EA		3/8", Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	91.31 10.91	18.22
40 05 23 23-0049	EA		1/2", Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	125.01 12.22	20.36
40 05 23 23-0050	EA		5/8", Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	134.44 13.88	23.11
40 05 23 23-0051	EA		3/4", Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	172.01 14.90	24.83
40 05 23 23-0052	EA		7/8", Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	273.98 16.51	27.49
40 05 23 23-0053	EA		1", Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	328.37 19.70	32.88
<b>40 05 23 23-0054</b>			<b>Unions</b> <small>(40 05 23 23-0037)</small>		
40 05 23 23-0055	EA		1/4", Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	71.82 9.85	16.39
40 05 23 23-0056	EA		3/8", Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	93.21 10.91	18.22
40 05 23 23-0057	EA		1/2", Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	126.26 12.22	20.36
40 05 23 23-0058	EA		5/8", Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	154.01 13.88	23.11
40 05 23 23-0059	EA		3/4", Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	183.92 14.90	24.83
40 05 23 23-0060	EA		7/8", Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	283.49 16.51	27.49
40 05 23 23-0061	EA		1", Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	301.44 19.70	32.88
<b>40 05 23 23-0062</b>			<b>Male Connectors</b> <small>(40 05 23 23-0037)</small>		
40 05 23 23-0063	EA		1/4" x 1/4", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	35.29 6.57	10.99
40 05 23 23-0064	EA		3/8" x 3/8", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	44.20 7.19	12.01

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0065 EA 1/2" x 1/2", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	57.44 8.14	13.54
40 05 23 23-0066 EA 5/8" x 5/8" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	64.74 9.12	15.16
40 05 23 23-0067 EA 3/4" x 3/4", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	78.36 9.85	16.39
40 05 23 23-0068 EA 7/8" x 7/8", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	118.46 10.91	18.22
40 05 23 23-0069 EA 1" x 1", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	123.88 13.00	21.68
<b>40 05 23 23-0070 Type 304 Valves</b> <small>(40 05 23 23-0011)</small>		
<b>40 05 23 23-0071 Gate Valves</b> <small>(40 05 23 23-0070)</small>		
40 05 23 23-0072 EA 1/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	164.26 8.89	16.39
40 05 23 23-0073 EA 3/8" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	273.94 9.36	19.24
40 05 23 23-0074 EA 1/2" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	286.06 13.00	21.68
40 05 23 23-0075 EA 3/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	317.36 14.90	24.83
40 05 23 23-0076 EA 1" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	294.36 19.70	32.88
<b>40 05 23 23-0077 Globe Valves</b> <small>(40 05 23 23-0070)</small>		
40 05 23 23-0078 EA 1/4" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	166.46 8.89	16.39
40 05 23 23-0079 EA 3/8" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	111.73 9.36	19.24
40 05 23 23-0080 EA 1/2" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	198.81 13.00	21.68
40 05 23 23-0081 EA 3/4" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	221.54 14.90	24.83
40 05 23 23-0082 EA 1" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	322.13 19.70	32.88
<b>40 05 23 23-0083 Check Valves</b> <small>(40 05 23 23-0070)</small>		
40 05 23 23-0084 EA 1/4" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	231.28 8.89	16.39
40 05 23 23-0085 EA 3/8" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	232.84 9.36	19.24
40 05 23 23-0086 EA 1/2" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	156.03 13.00	21.68
40 05 23 23-0087 EA 3/4" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	164.01 14.90	24.83
40 05 23 23-0088 EA 1" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	183.28 19.70	32.88
<b>40 05 23 23-0089 Plug Valves</b> <small>(40 05 23 23-0070)</small>		
40 05 23 23-0090 EA 1/2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	357.35 13.00	21.68
40 05 23 23-0091 EA 3/4" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	391.60 14.90	24.83
40 05 23 23-0092 EA 1" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	444.83 19.70	32.88
40 05 23 23-0093 EA 1-1/2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	615.25 22.29	37.16
40 05 23 23-0094 EA 2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	801.95 30.54	50.90
<b>40 05 23 23-0095 Type 316 Tubing</b> <small>(40 05 23 23-0011)</small>		
<b>40 05 23 23-0096 0.035" Wall</b> <small>(40 05 23 23-0095)</small>		
40 05 23 23-0097 LF 1/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	7.78 1.64	2.75
40 05 23 23-0098 LF 3/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	10.16 1.96	3.26
40 05 23 23-0099 LF 1/2" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	11.27 2.30	3.87
40 05 23 23-0100 LF 5/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	19.42 2.62	4.38
40 05 23 23-0101 LF 3/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	22.03 2.95	4.89
40 05 23 23-0102 LF 7/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	28.11 3.29	5.50
40 05 23 23-0103 LF 1" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	29.39 3.94	6.61
<b>40 05 23 23-0104 0.049" Wall</b> <small>(40 05 23 23-0095)</small>		

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 23 23-0105	LF	1/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	.....	13.83 1.96	3.26
40 05 23 23-0106	LF	3/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	.....	15.32 2.30	3.87
40 05 23 23-0107	LF	1/2" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	.....	18.08 2.62	4.38
40 05 23 23-0108	LF	5/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	.....	23.63 3.29	5.50
40 05 23 23-0109	LF	3/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	.....	27.25 3.94	6.61
40 05 23 23-0110	LF	7/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	.....	34.85 4.59	7.63
40 05 23 23-0111	LF	1" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	.....	35.46 5.22	8.65
<b>40 05 23 23-0112</b>		<b>0.065" Wall</b> <small>(40 05 23 23-0095)</small>			
40 05 23 23-0113	LF	1/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	.....	16.18 2.30	3.87
40 05 23 23-0114	LF	3/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	.....	18.03 2.62	4.38
40 05 23 23-0115	LF	1/2" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	.....	22.63 3.29	5.50
40 05 23 23-0116	LF	5/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	.....	26.96 3.94	6.61
40 05 23 23-0117	LF	3/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	.....	32.71 4.59	7.63
40 05 23 23-0118	LF	7/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	.....	35.99 5.22	8.65
40 05 23 23-0119	LF	1" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	.....	41.97 5.87	9.77
<b>40 05 23 23-0120</b>		<b>Type 316 Tube Fittings</b> <small>(40 05 23 23-0011)</small>			
<b>40 05 23 23-0121</b>		<b>90 Degree Elbows</b> <small>(40 05 23 23-0120)</small>			
40 05 23 23-0122	EA	1/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	.....	65.74 6.57	10.99
40 05 23 23-0123	EA	3/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	.....	79.24 7.19	12.01
40 05 23 23-0124	EA	1/2" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	.....	126.29 8.14	13.54
40 05 23 23-0125	EA	5/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	.....	133.83 9.12	15.16
40 05 23 23-0126	EA	3/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	.....	150.58 9.85	16.39
40 05 23 23-0127	EA	7/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	.....	212.25 10.91	18.22
40 05 23 23-0128	EA	1" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	.....	272.60 13.00	21.68
<b>40 05 23 23-0129</b>		<b>Union Tees</b> <small>(40 05 23 23-0120)</small>			
40 05 23 23-0130	EA	1/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	.....	105.77 9.85	16.39
40 05 23 23-0131	EA	3/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	.....	130.98 10.91	18.22
40 05 23 23-0132	EA	1/2" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	.....	185.87 12.22	20.36
40 05 23 23-0133	EA	5/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	.....	198.09 13.88	23.11
40 05 23 23-0134	EA	3/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	.....	260.35 14.90	24.83
40 05 23 23-0135	EA	7/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	.....	432.07 16.51	27.49
40 05 23 23-0136	EA	1" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	.....	518.03 19.70	32.88
<b>40 05 23 23-0137</b>		<b>Unions</b> <small>(40 05 23 23-0120)</small>			
40 05 23 23-0138	EA	1/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	.....	67.16 9.85	16.39
40 05 23 23-0139	EA	3/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	.....	86.41 10.91	18.22
40 05 23 23-0140	EA	1/2" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	.....	116.03 12.22	20.36
40 05 23 23-0141	EA	5/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	.....	141.13 13.88	23.11
40 05 23 23-0142	EA	3/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	.....	167.87 14.90	24.83
40 05 23 23-0143	EA	7/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	.....	256.18 16.51	27.49
40 05 23 23-0144	EA	1" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	.....	273.26 19.70	32.88
<b>40 05 23 23-0145</b>		<b>Male Connectors</b> <small>(40 05 23 23-0120)</small>			



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0146	EA		1/4" x 1/4" Male Connector, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	44.77 6.57	10.99
40 05 23 23-0147	EA		3/8" x 3/8" Male Connector, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	58.51 7.19	12.01
40 05 23 23-0148	EA		1/2" x 1/2" Male Connector, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	78.86 8.14	13.54
40 05 23 23-0149	EA		5/8" x 5/8" Male Connector, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	89.02 9.12	15.16
40 05 23 23-0150	EA		3/4" x 3/4" Male Connector, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	110.54 9.85	16.39
40 05 23 23-0151	EA		7/8" x 7/8" Male Connector, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	176.50 10.91	18.22
40 05 23 23-0152	EA		1" x 1" Male Connector, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	180.84 13.00	21.68
<b>40 05 23 23-0153</b>			<b>Type 316 Valves</b> (40 05 23 23-0011)		
<b>40 05 23 23-0154</b>			<b>Gate Valves</b> (40 05 23 23-0153)		
40 05 23 23-0155	EA		1/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	207.72 8.89	16.39
40 05 23 23-0156	EA		3/8" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	352.31 9.36	19.24
40 05 23 23-0157	EA		1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	364.43 13.00	21.68
40 05 23 23-0158	EA		3/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	403.79 14.90	24.83
40 05 23 23-0159	EA		1" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	368.20 19.70	32.88
40 05 23 23-0160	EA		1-1/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	503.00 20.46	34.10
40 05 23 23-0161	EA		1-1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	803.61 22.29	37.16
40 05 23 23-0162	EA		2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	957.52 30.54	50.90
40 05 23 23-0163	EA		2-1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,444.13 97.76	162.97
<b>40 05 23 23-0164</b>			<b>Globe Valves</b> (40 05 23 23-0153)		
40 05 23 23-0165	EA		1/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	210.64 8.89	16.39
40 05 23 23-0166	EA		3/8" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	137.73 9.36	19.24
40 05 23 23-0167	EA		1/2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	249.02 13.00	21.68
40 05 23 23-0168	EA		3/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	277.03 14.90	24.83
40 05 23 23-0169	EA		1" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	404.93 19.70	32.88
40 05 23 23-0170	EA		1-1/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	503.90 20.31	33.90
40 05 23 23-0171	EA		1-1/2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	832.78 22.29	37.16
40 05 23 23-0172	EA		2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	986.70 30.54	50.90
40 05 23 23-0173	EA		2-1/2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,259.37 97.76	162.97
<b>40 05 23 23-0174</b>			<b>Check Valves</b> (40 05 23 23-0153)		
40 05 23 23-0175	EA		1/4" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	296.38 8.89	16.39
40 05 23 23-0176	EA		3/8" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	297.94 9.36	19.24
40 05 23 23-0177	EA		1/2" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	192.42 13.00	21.68
40 05 23 23-0178	EA		3/4" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	200.92 14.90	24.83
40 05 23 23-0179	EA		1" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	221.26 19.70	32.88
40 05 23 23-0180	EA		1-1/4" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	303.33 20.46	34.10
40 05 23 23-0181	EA		1-1/2" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	667.47 22.29	37.16
40 05 23 23-0182	EA		2" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	811.66 30.54	50.90
40 05 23 23-0183	EA		2-1/2" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,622.40 97.76	162.97
<b>40 05 23 23-0184</b>			<b>Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined</b> (40 05 23 23-0153)		
40 05 23 23-0185	EA		1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	319.76 13.00	21.68
40 05 23 23-0186	EA		3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	373.43 14.90	24.83

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0187	EA		1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	476.54 19.70	32.88
40 05 23 23-0188	EA		1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	755.93 22.29	37.16
40 05 23 23-0189	EA		2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	1,056.08 30.54	50.90
<b>40 05 23 23-0190</b>			<b>Diaphragm Valves, Teflon Lined</b> <small>(40 05 23 23-0153)</small>		
40 05 23 23-0191	EA		1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	422.00 13.00	21.68
40 05 23 23-0192	EA		3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	485.14 14.90	24.83
40 05 23 23-0193	EA		1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	588.25 19.70	32.88
40 05 23 23-0194	EA		1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	913.08 22.29	37.16
40 05 23 23-0195	EA		2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	1,243.52 30.54	50.90
<b>40 05 23 23-0196</b>			<b>Strainers</b> <small>(40 05 23 23-0153)</small>		
40 05 23 23-0197	EA		1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	422.99 13.00	21.68
40 05 23 23-0198	EA		3/4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	505.99 14.96	24.94
40 05 23 23-0199	EA		1" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	662.15 19.85	33.08
40 05 23 23-0200	EA		1-1/4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	820.67 20.46	34.10
40 05 23 23-0201	EA		1-1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,028.83 22.29	37.16
40 05 23 23-0202	EA		2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,483.13 30.54	50.90
40 05 23 23-0203	EA		2-1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	2,037.73 40.62	67.70
40 05 23 23-0204	EA		3" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	2,968.21 61.08	101.80
40 05 23 23-0205	EA		4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	3,806.46 97.72	162.87
<b>40 05 23 23-0206</b>			<b>Plug Valves</b> <small>(40 05 23 23-0153)</small>		
40 05 23 23-0207	EA		1/2" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	450.43 13.00	21.68
40 05 23 23-0208	EA		3/4" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	492.96 14.90	24.83
40 05 23 23-0209	EA		1" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	557.22 19.70	32.88
40 05 23 23-0210	EA		1-1/2" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	775.60 22.29	37.16
40 05 23 23-0211	EA		2" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,009.49 30.54	50.90
<b>40 05 23 23-0212</b>			<b>Cut And Prepare Existing Pipe In-Place</b> <small>(40 05 23 23-0011)</small>		
			Note: For use when connecting pipe to an existing in-place system.		
40 05 23 23-0213	EA		Cut And Prepare 1/2" Stainless Steel Pipe	20.35	
40 05 23 23-0214	EA		Cut And Prepare 3/4" Stainless Steel Pipe	21.98	
40 05 23 23-0215	EA		Cut And Prepare 1" Stainless Steel Pipe	24.72	
40 05 23 23-0216	EA		Cut And Prepare 1-1/4" Stainless Steel Pipe	25.94	
40 05 23 23-0217	EA		Cut And Prepare 1-1/2" Stainless Steel Pipe	27.47	
40 05 23 23-0218	EA		Cut And Prepare 2" Stainless Steel Pipe	29.50	
40 05 23 23-0219	EA		Cut And Prepare 2-1/2" Stainless Steel Pipe	31.55	
40 05 23 23-0220	EA		Cut And Prepare 3" Stainless Steel Pipe	34.59	
40 05 23 23-0221	EA		Cut And Prepare 4" Stainless Steel Pipe	37.64	
40 05 23 23-0222	EA		Cut And Prepare 6" Stainless Steel Pipe	40.70	
40 05 23 23-0223	EA		Cut And Prepare 8" Stainless Steel Pipe	43.75	
40 05 23 23-0224	EA		Cut And Prepare 10" Stainless Steel Pipe	47.82	
40 05 23 23-0225	EA		Cut And Prepare 12" Stainless Steel Pipe	51.89	
40 05 23 23-0226	EA		Cut And Prepare 14" Stainless Steel Pipe	55.96	
40 05 23 23-0227	EA		Cut And Prepare 16" Stainless Steel Pipe	60.03	
40 05 23 23-0228	EA		Cut And Prepare 18" Stainless Steel Pipe	63.08	
40 05 23 23-0229	EA		Cut And Prepare 20" Stainless Steel Pipe	66.13	
40 05 23 23-0230	EA		Cut And Prepare 24" Stainless Steel Pipe	70.21	
<b>40 05 23 23-0231</b>			<b>Stainless Steel Pipe And Fittings</b> <small>(40 05 23 23)</small>		
<b>40 05 23 23-0232</b>			<b>Type 304, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings</b>		
			<small>(40 05 23 23-0231)</small>		
<b>40 05 23 23-0233</b>			<b>Type 304, Schedule 40 Stainless Steel Threaded Pipe</b> <small>(40 05 23 23-0232)</small>		
40 05 23 23-0234	LF		1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	14.27 2.62	4.38
40 05 23 23-0235	LF		3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	17.60 3.29	5.50

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0236	LF	1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	21.59 3.94	6.61
40 05 23 23-0237	LF	1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	25.86 4.69	7.63
40 05 23 23-0238	LF	1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	29.88 5.22	8.65
40 05 23 23-0239	LF	2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	38.13 6.57	10.99
40 05 23 23-0240	LF	2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	51.18 7.83	13.03
40 05 23 23-0241	LF	3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	64.32 9.85	16.39
40 05 23 23-0242	LF	4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	86.91 13.00	21.68
<b>40 05 23 23-0243</b>		<b>150#, Type 304 Stainless Steel Threaded 90 Degree Elbows (40 05 23 23-0232)</b>		
40 05 23 23-0244	EA	1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	35.27 9.85	16.39
40 05 23 23-0245	EA	3/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	46.80 13.00	21.68
40 05 23 23-0246	EA	1", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	60.09 16.51	27.49
40 05 23 23-0247	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	84.06 22.62	37.66
40 05 23 23-0248	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	100.05 26.56	44.28
40 05 23 23-0249	EA	2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	121.79 32.15	53.54
40 05 23 23-0250	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	202.99 50.90	84.80
40 05 23 23-0251	EA	3", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	261.36 65.67	109.43
40 05 23 23-0252	EA	4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	354.31 81.44	135.70
<b>40 05 23 23-0253</b>		<b>150#, Type 304 Stainless Steel Threaded 45 Degree Elbows (40 05 23 23-0232)</b>		
40 05 23 23-0254	EA	1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	35.84 9.85	16.39
40 05 23 23-0255	EA	3/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	47.70 13.00	21.68
40 05 23 23-0256	EA	1", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	60.37 16.51	27.49
40 05 23 23-0257	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	83.95 22.62	37.66
40 05 23 23-0258	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	98.71 26.56	44.28
40 05 23 23-0259	EA	2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	121.47 32.15	53.54
40 05 23 23-0260	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	209.06 50.90	84.80
40 05 23 23-0261	EA	3", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	273.21 65.67	109.43
40 05 23 23-0262	EA	4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	368.10 81.44	135.70
<b>40 05 23 23-0263</b>		<b>150#, Type 304 Stainless Steel Threaded Tees (40 05 23 23-0232)</b>		
40 05 23 23-0264	EA	1/2", 150#, Type 304 Stainless Steel Threaded Tee ..... <i>For Work In Restricted Working Space, Add</i>	52.97 14.90	24.83
40 05 23 23-0265	EA	3/4", 150#, Type 304 Stainless Steel Threaded Tee ..... <i>For Work In Restricted Working Space, Add</i>	70.91 19.70	32.88
40 05 23 23-0266	EA	1", 150#, Type 304 Stainless Steel Threaded Tee ..... <i>For Work In Restricted Working Space, Add</i>	88.12 24.43	40.72
40 05 23 23-0267	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Tee ..... <i>For Work In Restricted Working Space, Add</i>	126.39 33.93	56.60
40 05 23 23-0268	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Tee ..... <i>For Work In Restricted Working Space, Add</i>	143.76 38.18	63.62
40 05 23 23-0269	EA	2", 150#, Type 304 Stainless Steel Threaded Tee ..... <i>For Work In Restricted Working Space, Add</i>	190.86 50.90	84.80
40 05 23 23-0270	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Tee ..... <i>For Work In Restricted Working Space, Add</i>	290.76 73.59	122.66
40 05 23 23-0271	EA	3", 150#, Type 304 Stainless Steel Threaded Tee ..... <i>For Work In Restricted Working Space, Add</i>	393.89 98.51	164.19
40 05 23 23-0272	EA	4", 150#, Type 304 Stainless Steel Threaded Tee ..... <i>For Work In Restricted Working Space, Add</i>	525.52 122.16	203.60
<b>40 05 23 23-0273</b>		<b>150#, Type 304 Stainless Steel Threaded Reducers (40 05 23 23-0232)</b>		
40 05 23 23-0274	EA	3/4", 150#, Type 304 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	46.38 13.00	21.68
40 05 23 23-0275	EA	1", 150#, Type 304 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	59.20 16.51	27.49
40 05 23 23-0276	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	81.52 22.62	37.66

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0277	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	97.32 26.56	44.28
40 05 23 23-0278	EA		2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	121.85 32.15	53.54
40 05 23 23-0279	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	201.19 50.90	84.80
40 05 23 23-0280	EA		3", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	263.81 65.67	109.43
40 05 23 23-0281	EA		4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	345.84 81.44	135.70
<b>40 05 23 23-0282</b>			<b>150#, Type 304 Stainless Steel Threaded Caps (40 05 23 23-0232)</b>		
40 05 23 23-0283	EA		1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	18.04 4.93	8.25
40 05 23 23-0284	EA		3/4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	23.92 6.57	10.99
40 05 23 23-0285	EA		1", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	30.18 8.14	13.54
40 05 23 23-0286	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	43.93 11.53	19.24
40 05 23 23-0287	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	50.54 13.00	21.68
40 05 23 23-0288	EA		2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	64.23 16.51	27.49
40 05 23 23-0289	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	98.06 24.43	40.72
40 05 23 23-0290	EA		3", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	130.12 32.15	53.54
40 05 23 23-0291	EA		4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	174.60 40.72	67.90
<b>40 05 23 23-0292</b>			<b>150#, Type 304 Stainless Steel Threaded Unions (40 05 23 23-0232)</b>		
40 05 23 23-0293	EA		1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	56.49 14.90	24.83
40 05 23 23-0294	EA		3/4", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	74.33 19.70	32.88
40 05 23 23-0295	EA		1", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	94.51 24.43	40.72
40 05 23 23-0296	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	135.80 33.93	56.60
40 05 23 23-0297	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	152.88 38.18	63.62
40 05 23 23-0298	EA		2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	200.37 50.90	84.80
40 05 23 23-0299	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	337.65 76.35	127.25
40 05 23 23-0300	EA		3", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	433.12 98.52	164.19
40 05 23 23-0301	EA		4", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	441.48 81.45	135.75
<b>40 05 23 23-0302</b>			<b>150#, Type 304 Stainless Steel Threaded Couplings (40 05 23 23-0232)</b>		
40 05 23 23-0303	EA		1/2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	35.04 9.85	16.39
40 05 23 23-0304	EA		3/4", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	46.49 13.00	21.68
40 05 23 23-0305	EA		1", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	59.84 16.51	27.49
40 05 23 23-0306	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	83.06 22.62	37.66
40 05 23 23-0307	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	97.62 26.56	44.28
40 05 23 23-0308	EA		2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	119.98 32.15	53.54
40 05 23 23-0309	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	197.81 50.90	84.80
40 05 23 23-0310	EA		3", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	255.29 65.67	109.43
40 05 23 23-0311	EA		4", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	328.00 81.44	135.70
<b>40 05 23 23-0312</b>			<b>Type 316, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings (40 05 23 23-0231)</b>		
<b>40 05 23 23-0313</b>			<b>Type 316, Schedule 40 Stainless Steel Threaded Pipe (40 05 23 23-0312)</b>		
40 05 23 23-0314	LF		1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	17.20 2.62	4.38
40 05 23 23-0315	LF		3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	20.48 3.29	5.50
40 05 23 23-0316	LF		1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	25.73 3.94	6.61
40 05 23 23-0317	LF		1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	31.28 4.59	7.63

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0318	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	36.30 5.22	8.65
40 05 23 23-0319	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	46.72 6.57	10.99
40 05 23 23-0320	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	63.19 7.83	13.03
40 05 23 23-0321	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	82.24 9.85	16.39
40 05 23 23-0322	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	110.22 13.00	21.68
<b>40 05 23 23-0323</b>		<b>150#, Type 316 Stainless Steel Threaded 90 Degree Elbows</b> <small>(40 05 23 23-0312)</small>		
40 05 23 23-0324	EA	1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	36.01 9.85	16.39
40 05 23 23-0325	EA	3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	47.89 13.00	21.68
40 05 23 23-0326	EA	1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	60.76 16.51	27.49
40 05 23 23-0327	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	85.26 22.62	37.66
40 05 23 23-0328	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	101.66 26.56	44.28
40 05 23 23-0329	EA	2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	123.77 32.15	53.54
40 05 23 23-0330	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	206.15 50.90	84.80
40 05 23 23-0331	EA	3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	269.12 65.67	109.43
40 05 23 23-0332	EA	4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	363.73 81.44	135.70
<b>40 05 23 23-0333</b>		<b>150#, Type 316 Stainless Steel Threaded 45 Degree Elbows</b> <small>(40 05 23 23-0312)</small>		
40 05 23 23-0334	EA	1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	36.60 9.85	16.39
40 05 23 23-0335	EA	3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	48.27 13.00	21.68
40 05 23 23-0336	EA	1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	61.20 16.51	27.49
40 05 23 23-0337	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	85.14 22.62	37.66
40 05 23 23-0338	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	100.10 26.56	44.28
40 05 23 23-0339	EA	2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	123.33 32.15	53.54
40 05 23 23-0340	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	212.04 50.90	84.80
40 05 23 23-0341	EA	3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	280.07 65.67	109.43
40 05 23 23-0342	EA	4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	386.62 81.44	135.70
<b>40 05 23 23-0343</b>		<b>150#, Type 316 Stainless Steel Threaded Tees</b> <small>(40 05 23 23-0312)</small>		
40 05 23 23-0344	EA	1/2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	53.75 14.90	24.83
40 05 23 23-0345	EA	3/4", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	71.71 19.70	32.88
40 05 23 23-0346	EA	1", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	89.01 24.43	40.72
40 05 23 23-0347	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	128.20 33.93	56.60
40 05 23 23-0348	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	145.55 38.18	63.62
40 05 23 23-0349	EA	2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	193.22 50.90	84.80
40 05 23 23-0350	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	300.38 73.59	122.66
40 05 23 23-0351	EA	3", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	407.02 98.51	164.19
40 05 23 23-0352	EA	4", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	535.30 122.16	203.60
<b>40 05 23 23-0353</b>		<b>150#, Type 316 Stainless Steel Threaded Reducers</b> <small>(40 05 23 23-0312)</small>		
40 05 23 23-0354	EA	3/4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	47.05 13.00	21.68
40 05 23 23-0355	EA	1", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	61.18 16.51	27.49
40 05 23 23-0356	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	81.89 22.62	37.66
40 05 23 23-0357	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	99.27 26.56	44.28
40 05 23 23-0358	EA	2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	125.26 32.15	53.54

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	23-0359	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	208.96 50.90	84.80
40 05 23	23-0360	EA	3", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	272.39 65.67	109.43
40 05 23	23-0361	EA	4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	360.14 81.44	135.70
<b>40 05 23 23-0362 150#, Type 316 Stainless Steel Threaded Caps (40 05 23 23-0312)</b>					
40 05 23	23-0363	EA	1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	18.48 4.93	8.25
40 05 23	23-0364	EA	3/4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	24.25 6.57	10.99
40 05 23	23-0365	EA	1", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	30.76 8.14	13.54
40 05 23	23-0366	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	45.53 11.53	19.24
40 05 23	23-0367	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	52.45 13.00	21.68
40 05 23	23-0368	EA	2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	66.71 16.51	27.49
40 05 23	23-0369	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	102.16 24.43	40.72
40 05 23	23-0370	EA	3", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	134.28 32.15	53.54
40 05 23	23-0371	EA	4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	182.86 40.72	67.90
<b>40 05 23 23-0372 150#, Type 316 Stainless Steel Threaded Unions (40 05 23 23-0312)</b>					
40 05 23	23-0373	EA	1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	57.43 14.90	24.83
40 05 23	23-0374	EA	3/4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	77.87 19.70	32.88
40 05 23	23-0375	EA	1", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	96.31 24.43	40.72
40 05 23	23-0376	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	138.84 33.93	56.60
40 05 23	23-0377	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	156.44 38.18	63.62
40 05 23	23-0378	EA	2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	204.48 50.90	84.80
40 05 23	23-0379	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	343.97 76.35	127.25
40 05 23	23-0380	EA	3", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	452.81 98.52	164.19
40 05 23	23-0381	EA	4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	483.45 81.45	135.75
<b>40 05 23 23-0382 150#, Type 316 Stainless Steel Threaded Couplings (40 05 23 23-0312)</b>					
40 05 23	23-0383	EA	1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	36.52 9.85	16.39
40 05 23	23-0384	EA	3/4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	47.17 13.00	21.68
40 05 23	23-0385	EA	1", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	60.50 16.51	27.49
40 05 23	23-0386	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	84.11 22.62	37.66
40 05 23	23-0387	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	98.86 26.56	44.28
40 05 23	23-0388	EA	2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	121.71 32.15	53.54
40 05 23	23-0389	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	203.86 50.90	84.80
40 05 23	23-0390	EA	3", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	263.10 65.67	109.43
40 05 23	23-0391	EA	4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	339.70 81.44	135.70
<b>40 05 23 23-0392 Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)</b>					
<b>40 05 23 23-0393 Type 304, Schedule 10 Stainless Steel Pipe (40 05 23 23-0392)</b>					
40 05 23	23-0394	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	15.73 2.57	4.28
40 05 23	23-0395	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	18.75 3.14	5.23
40 05 23	23-0396	LF	1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	24.61 3.68	6.18
40 05 23	23-0397	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	30.10 4.60	7.71
40 05 23	23-0398	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	33.53 5.19	8.66
40 05 23	23-0399	LF	2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	41.46 6.43	10.75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0400	LF		2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	49.41 7.34	12.27
40 05 23 23-0401	LF		3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	58.12 8.27	13.79
40 05 23 23-0402	LF		4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	72.71 9.79	16.36
40 05 23 23-0403	LF		6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	105.42 12.86	21.49
40 05 23 23-0404	LF		8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	176.99 24.36	37.90
40 05 23 23-0405	LF		10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	224.21 26.79	41.67
40 05 23 23-0406	LF		12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	267.37 29.77	46.34
40 05 23 23-0407	LF		14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	327.60 33.49	52.10
40 05 23 23-0408	LF		16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	361.31 38.27	59.54
40 05 23 23-0409	LF		18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	405.57 44.65	69.46
40 05 23 23-0410	LF		20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	559.50 53.58	83.35
40 05 23 23-0411	LF		24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	728.43 66.98	104.18
<b>40 05 23 23-0412</b>			<b>Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow</b> <small>(40 05 23 23-0392)</small>		
40 05 23 23-0413	EA		1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	111.41 32.53	48.79
40 05 23 23-0414	EA		3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	118.08 34.53	51.79
40 05 23 23-0415	EA		1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	130.01 37.95	56.92
40 05 23 23-0416	EA		1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	141.82 41.36	62.04
40 05 23 23-0417	EA		1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	156.63 45.67	68.51
40 05 23 23-0418	EA		2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	174.83 50.81	76.21
40 05 23 23-0419	EA		2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	226.10 65.03	97.54
40 05 23 23-0420	EA		3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	265.14 76.22	114.32
40 05 23 23-0421	EA		4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	322.21 91.22	136.84
40 05 23 23-0422	EA		6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	428.44 113.96	170.93
40 05 23 23-0423	EA		8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	727.01 191.36	287.05
40 05 23 23-0424	EA		10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,041.70 255.14	382.71
40 05 23 23-0425	EA		12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,570.34 382.72	574.08
40 05 23 23-0426	EA		14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,849.96 446.51	669.76
40 05 23 23-0427	EA		16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,155.67 509.32	763.98
40 05 23 23-0428	EA		18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,717.78 637.86	956.81
40 05 23 23-0429	EA		20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,793.32 893.01	1,339.52
40 05 23 23-0430	EA		24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	5,438.38 1,275.73	1,913.59
<b>40 05 23 23-0431</b>			<b>Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow</b> <small>(40 05 23 23-0392)</small>		
40 05 23 23-0432	EA		1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	112.29 32.53	48.79
40 05 23 23-0433	EA		3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	118.96 34.53	51.79
40 05 23 23-0434	EA		1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	131.07 37.95	56.92
40 05 23 23-0435	EA		1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	143.23 41.36	62.04
40 05 23 23-0436	EA		1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	156.81 45.67	68.51
40 05 23 23-0437	EA		2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	174.83 50.81	76.21
40 05 23 23-0438	EA		2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	225.22 65.03	97.54
40 05 23 23-0439	EA		3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	263.55 76.22	114.32
40 05 23 23-0440	EA		4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	319.22 91.22	136.84
40 05 23 23-0441	EA		6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	412.77 113.96	170.93

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0442	EA	8"	Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	696.80 191.36	287.05
40 05 23 23-0443	EA	10"	Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	987.91 255.14	382.71
40 05 23 23-0444	EA	12"	Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,485.18 382.72	574.08
40 05 23 23-0445	EA	14"	Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,745.43 446.51	669.76
40 05 23 23-0446	EA	16"	Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,026.67 509.32	763.98
40 05 23 23-0447	EA	18"	Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,548.37 637.86	956.81
40 05 23 23-0448	EA	20"	Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,564.72 893.01	1,339.52
40 05 23 23-0449	EA	24"	Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	5,114.10 1,275.73	1,913.59
<b>40 05 23 23-0450 Type 304, Schedule 10 Stainless Steel Butt Weld Tee (40 05 23 23-0392)</b>					
40 05 23 23-0451	EA	1/2"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	147.49 41.34	62.02
40 05 23 23-0452	EA	3/4"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	178.85 50.75	76.13
40 05 23 23-0453	EA	1"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	199.76 57.02	85.54
40 05 23 23-0454	EA	1-1/4"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	227.52 65.03	97.54
40 05 23 23-0455	EA	1-1/2"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	242.35 69.80	104.71
40 05 23 23-0456	EA	2"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	264.16 76.13	114.20
40 05 23 23-0457	EA	2-1/2"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	333.38 91.22	136.84
40 05 23 23-0458	EA	3"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	400.09 114.32	171.49
40 05 23 23-0459	EA	4"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	456.20 128.31	192.46
40 05 23 23-0460	EA	6"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	646.11 171.08	256.60
40 05 23 23-0461	EA	8"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,029.35 255.14	382.71
40 05 23 23-0462	EA	10"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,570.34 382.72	574.08
40 05 23 23-0463	EA	12"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,003.89 478.40	717.59
40 05 23 23-0464	EA	14"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,449.93 574.90	862.35
40 05 23 23-0465	EA	16"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,973.17 701.32	1,051.97
40 05 23 23-0466	EA	18"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,783.93 893.01	1,339.52
40 05 23 23-0467	EA	20"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	5,038.79 1,175.01	1,762.53
40 05 23 23-0468	EA	24"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	7,581.19 1,786.02	2,679.03
<b>40 05 23 23-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0392)</b>					
40 05 23 23-0470	EA	3/4"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	132.39 34.54	51.81
40 05 23 23-0471	EA	1"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	158.34 42.33	63.49
40 05 23 23-0472	EA	1-1/4"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	190.02 47.56	71.34
40 05 23 23-0473	EA	1-1/2"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	202.38 54.22	81.32
40 05 23 23-0474	EA	2"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	213.74 58.26	87.38
40 05 23 23-0475	EA	2-1/2"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	264.62 63.49	95.23
40 05 23 23-0476	EA	3"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	313.17 76.10	114.15
40 05 23 23-0477	EA	4"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	387.46 95.12	142.67
40 05 23 23-0478	EA	6"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	492.17 108.68	163.02
40 05 23 23-0479	EA	8"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	875.21 159.47	239.20
40 05 23 23-0480	EA	10"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,386.76 212.62	318.94
40 05 23 23-0481	EA	12"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,998.31 318.93	478.39
40 05 23 23-0482	EA	14"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,420.24 383.16	574.74
40 05 23 23-0483	EA	16"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,989.47 467.38	701.07
40 05 23 23-0484	EA	18"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,851.27 595.34	893.01



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	23-0485	EA	20", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	5,406.72 783.34	1,175.01
40 05 23	23-0486	EA	24", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	8,417.88 1,169.62	1,784.43
<b>40 05 23 23-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 23-0392)</b>					
40 05 23	23-0488	EA	3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	110.69 31.41	47.12
40 05 23	23-0489	EA	1", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	121.50 34.23	51.34
40 05 23	23-0490	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	134.68 37.95	56.92
40 05 23	23-0491	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	144.36 41.36	62.04
40 05 23	23-0492	EA	2", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	158.04 45.67	68.51
40 05 23	23-0493	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	207.49 57.07	85.61
40 05 23	23-0494	EA	3", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	235.05 64.97	97.46
40 05 23	23-0495	EA	4", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	274.93 76.13	114.20
40 05 23	23-0496	EA	6", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	353.35 96.92	145.39
40 05 23	23-0497	EA	8", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	558.91 153.09	229.63
40 05 23	23-0498	EA	10", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	707.25 191.36	287.05
40 05 23	23-0499	EA	12", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	948.75 255.14	382.71
40 05 23	23-0500	EA	14", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,320.65 334.88	502.31
40 05 23	23-0501	EA	16", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,533.28 381.63	572.44
40 05 23	23-0502	EA	18", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,897.07 478.40	717.59
40 05 23	23-0503	EA	20", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,625.81 637.86	956.81
40 05 23	23-0504	EA	24", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,827.32 956.80	1,435.20
40 05 23	23-0505	EA	3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	127.24 31.41	47.12
40 05 23	23-0506	EA	1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	133.65 34.23	51.34
40 05 23	23-0507	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	143.00 37.95	56.92
40 05 23	23-0508	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	159.50 41.36	62.04
40 05 23	23-0509	EA	2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	168.95 45.67	68.51
40 05 23	23-0510	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	219.46 57.07	85.61
40 05 23	23-0511	EA	3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	246.84 64.97	97.46
40 05 23	23-0512	EA	4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	284.05 76.13	114.20
40 05 23	23-0513	EA	6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	386.26 96.92	145.39
40 05 23	23-0514	EA	8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	629.46 153.09	229.63
40 05 23	23-0515	EA	10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	844.87 191.36	287.05
40 05 23	23-0516	EA	12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,075.91 255.14	382.71
40 05 23	23-0517	EA	14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,614.00 334.88	502.31
40 05 23	23-0518	EA	16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,869.41 381.63	572.44
40 05 23	23-0519	EA	18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,307.30 478.40	717.59
40 05 23	23-0520	EA	20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,283.19 637.86	956.81
40 05 23	23-0521	EA	24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	4,698.55 956.80	1,435.20
<b>40 05 23 23-0522 Type 304, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0392)</b>					
40 05 23	23-0523	EA	1/2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	59.68 16.27	24.40
40 05 23	23-0524	EA	3/4", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	64.93 17.26	25.90
40 05 23	23-0525	EA	1", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	71.35 18.98	28.45
40 05 23	23-0526	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	78.35 20.68	31.01
40 05 23	23-0527	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	84.74 22.84	34.25

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0528	EA	2"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	92.25 25.40	38.11
40 05 23 23-0529	EA	2-1/2"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	119.29 32.51	48.77
40 05 23 23-0530	EA	3"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	136.36 38.11	57.17
40 05 23 23-0531	EA	4"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	164.02 45.62	68.41
40 05 23 23-0532	EA	6"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	209.78 57.07	85.61
40 05 23 23-0533	EA	8"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	354.11 95.68	143.51
40 05 23 23-0534	EA	10"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	471.70 127.57	191.36
40 05 23 23-0535	EA	12"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	698.41 191.36	287.03
40 05 23 23-0536	EA	14"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	818.37 223.25	334.88
40 05 23 23-0537	EA	16"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	944.58 254.66	381.99
40 05 23 23-0538	EA	18"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,190.23 318.93	478.39
40 05 23 23-0539	EA	20"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,649.98 446.51	669.76
40 05 23 23-0540	EA	24"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	2,411.01 637.86	956.79
40 05 23 23-0541	Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)				
40 05 23 23-0542	Type 304, Schedule 40 Stainless Steel Pipe (40 05 23 23-0541)				
40 05 23 23-0543	LF	1/2"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	17.49 2.57	4.28
40 05 23 23-0544	LF	3/4"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	21.24 3.14	5.23
40 05 23 23-0545	LF	1"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	25.96 3.68	6.18
40 05 23 23-0546	LF	1-1/4"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	32.45 4.60	7.61
40 05 23 23-0547	LF	1-1/2"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	37.34 5.19	8.56
40 05 23 23-0548	LF	2"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	47.74 6.43	10.94
40 05 23 23-0549	LF	2-1/2"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	58.99 7.34	12.36
40 05 23 23-0550	LF	3"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	57.95 8.27	13.79
40 05 23 23-0551	LF	4"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	94.07 9.79	16.17
40 05 23 23-0552	LF	6"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	145.50 12.86	21.40
40 05 23 23-0553	LF	8"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	257.16 24.36	37.70
40 05 23 23-0554	LF	10"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	323.92 26.79	41.67
40 05 23 23-0555	LF	12"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	402.28 29.77	46.14
40 05 23 23-0556	Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 23-0541)				
40 05 23 23-0557	EA	1/2"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	112.12 32.53	48.79
40 05 23 23-0558	EA	3/4"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	118.79 34.53	51.79
40 05 23 23-0559	EA	1"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	130.54 37.95	56.92
40 05 23 23-0560	EA	1-1/4"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	142.20 41.36	62.04
40 05 23 23-0561	EA	1-1/2"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	156.98 45.67	68.51
40 05 23 23-0562	EA	2"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	176.06 50.81	76.21
40 05 23 23-0563	EA	2-1/2"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	230.67 65.03	97.54
40 05 23 23-0564	EA	3"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	271.83 76.22	114.32
40 05 23 23-0565	EA	4"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	333.47 91.22	136.84
40 05 23 23-0566	EA	6"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	500.42 113.96	170.93
40 05 23 23-0567	EA	8"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	825.10 191.36	287.05
40 05 23 23-0568	EA	10"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,240.72 255.14	382.71
40 05 23 23-0569	EA	12"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,828.47 382.72	574.08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	23-0570	EA	14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,163.10 446.51	669.76
40 05 23	23-0571	EA	16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,557.95 509.32	763.98
40 05 23	23-0572	EA	18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,276.73 637.86	956.81
40 05 23	23-0573	EA	20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,483.22 893.01	1,339.52
40 05 23	23-0574	EA	24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	6,422.64 1,275.73	1,913.59
<b>40 05 23 23-0575 Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 23-0541)</b>					
40 05 23	23-0576	EA	1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	113.35 32.53	48.79
40 05 23	23-0577	EA	3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	120.02 34.53	51.79
40 05 23	23-0578	EA	1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	131.42 37.95	56.92
40 05 23	23-0579	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	143.10 41.36	62.04
40 05 23	23-0580	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	157.86 45.67	68.51
40 05 23	23-0581	EA	2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	176.25 50.81	76.21
40 05 23	23-0582	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	230.67 65.03	97.54
40 05 23	23-0583	EA	3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	266.90 76.22	114.32
40 05 23	23-0584	EA	4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	336.11 91.22	136.84
40 05 23	23-0585	EA	6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	440.40 113.96	170.93
40 05 23	23-0586	EA	8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	762.18 191.36	287.05
40 05 23	23-0587	EA	10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,083.53 255.14	382.71
40 05 23	23-0588	EA	12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,596.58 382.72	574.08
40 05 23	23-0589	EA	14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,823.99 446.51	669.76
40 05 23	23-0590	EA	16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,154.20 509.32	763.98
40 05 23	23-0591	EA	18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,713.45 637.86	956.81
40 05 23	23-0592	EA	20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,723.16 893.01	1,339.52
40 05 23	23-0593	EA	24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	5,383.11 1,275.73	1,913.59
<b>40 05 23 23-0594 Type 304, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 23-0541)</b>					
40 05 23	23-0595	EA	1/2", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	148.19 41.34	62.02
40 05 23	23-0596	EA	3/4", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	179.55 50.75	76.13
40 05 23	23-0597	EA	1", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	200.46 57.02	85.54
40 05 23	23-0598	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	229.31 65.03	97.54
40 05 23	23-0599	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	243.05 69.80	104.71
40 05 23	23-0600	EA	2", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	265.04 76.13	114.20
40 05 23	23-0601	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	335.76 91.22	136.84
40 05 23	23-0602	EA	3", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	403.78 114.32	171.49
40 05 23	23-0603	EA	4", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	460.25 128.31	192.46
40 05 23	23-0604	EA	6", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	674.09 171.08	256.60
40 05 23	23-0605	EA	8", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,112.41 255.14	382.71
40 05 23	23-0606	EA	10", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,825.25 382.72	574.08
40 05 23	23-0607	EA	12", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,272.67 478.40	717.59
40 05 23	23-0608	EA	14", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,991.52 574.90	862.35
40 05 23	23-0609	EA	16", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,763.86 701.32	1,051.97
40 05 23	23-0610	EA	18", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	4,857.48 893.01	1,339.52
40 05 23	23-0611	EA	20", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	6,298.05 1,175.01	1,762.53
40 05 23	23-0612	EA	24", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	9,626.38 1,786.02	2,679.03

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 23 23-0613	Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees <small>(40 05 23 23-0541)</small>		
40 05 23 23-0614	EA 3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	134.68 34.54	51.81
40 05 23 23-0615	EA 1", Type 304, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	160.63 42.33	63.49
40 05 23 23-0616	EA 1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	201.03 47.56	71.34
40 05 23 23-0617	EA 1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	205.72 54.22	81.32
40 05 23 23-0618	EA 2", Type 304, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	213.74 58.26	87.38
40 05 23 23-0619	EA 2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	253.37 63.49	95.23
40 05 23 23-0620	EA 3", Type 304, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	288.35 76.10	114.15
40 05 23 23-0621	EA 4", Type 304, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	374.44 95.12	142.67
40 05 23 23-0622	EA 6", Type 304, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	494.28 108.68	163.02
40 05 23 23-0623	EA 8", Type 304, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	800.51 159.47	239.20
40 05 23 23-0624	EA 10", Type 304, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	1,410.13 212.62	318.94
40 05 23 23-0625	EA 12", Type 304, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	2,045.07 318.93	478.39
40 05 23 23-0626	EA 14", Type 304, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	2,354.63 383.16	574.74
40 05 23 23-0627	EA 16", Type 304, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	2,907.30 467.38	701.07
40 05 23 23-0628	EA 18", Type 304, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	3,744.12 595.34	893.01
40 05 23 23-0629	EA 20", Type 304, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	5,246.25 783.34	1,175.01
40 05 23 23-0630	EA 24", Type 304, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	8,162.32 1,189.62	1,784.43
40 05 23 23-0631	Type 304, Schedule 40 Stainless Steel Butt Weld Reducers <small>(40 05 23 23-0541)</small>		
40 05 23 23-0632	EA 3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	112.45 31.41	47.12
40 05 23 23-0633	EA 1", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	123.26 34.23	51.34
40 05 23 23-0634	EA 1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	134.81 37.95	56.92
40 05 23 23-0635	EA 1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	146.12 41.36	62.04
40 05 23 23-0636	EA 2", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	159.09 45.67	68.51
40 05 23 23-0637	EA 2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	207.49 57.07	85.61
40 05 23 23-0638	EA 3", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	228.71 64.97	97.46
40 05 23 23-0639	EA 4", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	265.92 76.13	114.20
40 05 23 23-0640	EA 6", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	354.76 96.92	145.39
40 05 23 23-0641	EA 8", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	588.80 153.09	229.63
40 05 23 23-0642	EA 10", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	758.57 191.36	287.05
40 05 23 23-0643	EA 12", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	994.56 255.14	382.71
40 05 23 23-0644	EA 14", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,423.45 334.88	502.31
40 05 23 23-0645	EA 16", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,662.51 381.63	572.44
40 05 23 23-0646	EA 18", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	2,158.76 478.40	717.59
40 05 23 23-0647	EA 20", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	2,934.49 637.86	956.81
40 05 23 23-0648	EA 24", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	4,146.99 956.80	1,435.20
40 05 23 23-0649	EA 3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	127.95 31.41	47.12
40 05 23 23-0650	EA 1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	137.34 34.23	51.34
40 05 23 23-0651	EA 1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	155.67 37.95	56.92
40 05 23 23-0652	EA 1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	166.01 41.36	62.04
40 05 23 23-0653	EA 2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	178.98 45.67	68.51
40 05 23 23-0654	EA 2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	219.46 57.07	85.61
40 05 23 23-0655	EA 3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	268.67 64.97	97.46

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0656	EA		4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	298.84 76.13	114.20
40 05 23 23-0657	EA		6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	400.87 96.92	145.39
40 05 23 23-0658	EA		8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	630.99 153.09	229.63
40 05 23 23-0659	EA		10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	843.54 191.36	287.05
40 05 23 23-0660	EA		12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,145.10 255.14	382.71
40 05 23 23-0661	EA		14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,792.45 334.88	502.31
40 05 23 23-0662	EA		16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,034.93 381.63	572.44
40 05 23 23-0663	EA		18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,640.56 478.40	717.59
40 05 23 23-0664	EA		20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,447.66 637.86	956.81
40 05 23 23-0665	EA		24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	5,427.54 956.80	1,435.20
<b>40 05 23 23-0666</b>			<b>Type 304, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 23-0541)</b>		
40 05 23 23-0667	EA		1/2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	60.20 16.27	24.40
40 05 23 23-0668	EA		3/4", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	64.40 17.26	25.90
40 05 23 23-0669	EA		1", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	71.87 18.98	28.45
40 05 23 23-0670	EA		1-1/4", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	80.71 20.68	31.01
40 05 23 23-0671	EA		1-1/2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	87.03 22.84	34.25
40 05 23 23-0672	EA		2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	92.07 25.40	38.11
40 05 23 23-0673	EA		2-1/2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	118.11 32.51	48.77
40 05 23 23-0674	EA		3", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	137.06 38.11	57.17
40 05 23 23-0675	EA		4", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	166.13 45.62	68.41
40 05 23 23-0676	EA		6", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	222.80 57.07	85.61
40 05 23 23-0677	EA		8", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	375.02 95.68	143.51
40 05 23 23-0678	EA		10", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	501.27 127.57	191.36
40 05 23 23-0679	EA		12", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	754.77 191.36	287.03
40 05 23 23-0680	EA		14", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	869.99 223.25	334.88
40 05 23 23-0681	EA		16", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,015.59 254.66	381.99
40 05 23 23-0682	EA		18", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,274.39 318.93	478.39
40 05 23 23-0683	EA		20", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,762.21 446.51	669.76
40 05 23 23-0684	EA		24", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,598.66 637.86	956.79
<b>40 05 23 23-0685</b>			<b>Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)</b>		
<b>40 05 23 23-0686</b>			<b>Type 316, Schedule 10 Stainless Steel Pipe (40 05 23 23-0685)</b>		
40 05 23 23-0687	LF		1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	17.97 2.57	4.28
40 05 23 23-0688	LF		3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	21.33 3.14	5.23
40 05 23 23-0689	LF		1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	28.47 3.68	6.18
40 05 23 23-0690	LF		1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	34.71 4.60	7.71
40 05 23 23-0691	LF		1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	38.60 5.19	8.66
40 05 23 23-0692	LF		2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	47.72 6.43	10.75
40 05 23 23-0693	LF		2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	57.19 7.34	12.27
40 05 23 23-0694	LF		3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	67.66 8.27	13.79
40 05 23 23-0695	LF		4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	85.23 9.79	16.36
40 05 23 23-0696	LF		6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	124.96 12.86	21.49
40 05 23 23-0697	LF		8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	206.91 24.36	37.90
40 05 23 23-0698	LF		10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	266.34 26.79	41.67

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0699	LF		12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	319.88 29.77	46.34
40 05 23 23-0700	LF		14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	395.04 33.49	52.10
40 05 23 23-0701	LF		16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	434.31 38.27	59.54
40 05 23 23-0702	LF		18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	485.75 44.65	69.46
40 05 23 23-0703	LF		20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	678.45 53.58	83.35
40 05 23 23-0704	LF		24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	886.20 66.98	104.18
<b>40 05 23 23-0705 Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows</b> (40 05 23 23-0685)					
40 05 23 23-0706	EA		1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	112.29 32.53	48.79
40 05 23 23-0707	EA		3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	118.96 34.53	51.79
40 05 23 23-0708	EA		1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	131.07 37.95	56.92
40 05 23 23-0709	EA		1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	143.35 41.36	62.04
40 05 23 23-0710	EA		1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	157.69 45.67	68.51
40 05 23 23-0711	EA		2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	176.06 50.81	76.21
40 05 23 23-0712	EA		2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	228.39 65.03	97.54
40 05 23 23-0713	EA		3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	268.48 76.22	114.32
40 05 23 23-0714	EA		4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	327.31 91.22	136.84
40 05 23 23-0715	EA		6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	441.81 113.96	170.93
40 05 23 23-0716	EA		8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	751.92 191.36	287.05
40 05 23 23-0717	EA		10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	1,099.29 255.14	382.71
40 05 23 23-0718	EA		12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	1,648.85 382.72	574.08
40 05 23 23-0719	EA		14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	1,923.84 446.51	669.76
40 05 23 23-0720	EA		16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	2,272.52 509.32	763.98
40 05 23 23-0721	EA		18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	2,857.90 637.86	956.81
40 05 23 23-0722	EA		20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	3,993.48 893.01	1,339.52
40 05 23 23-0723	EA		24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	5,735.80 1,275.73	1,913.59
<b>40 05 23 23-0724 Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows</b> (40 05 23 23-0685)					
40 05 23 23-0725	EA		1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	113.35 32.53	48.79
40 05 23 23-0726	EA		3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	120.02 34.53	51.79
40 05 23 23-0727	EA		1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	132.12 37.95	56.92
40 05 23 23-0728	EA		1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	144.76 41.36	62.04
40 05 23 23-0729	EA		1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	157.69 45.67	68.51
40 05 23 23-0730	EA		2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	176.06 50.81	76.21
40 05 23 23-0731	EA		2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	227.33 65.03	97.54
40 05 23 23-0732	EA		3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	266.90 76.22	114.32
40 05 23 23-0733	EA		4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	323.62 91.22	136.84
40 05 23 23-0734	EA		6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	419.99 113.96	170.93
40 05 23 23-0735	EA		8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	712.76 191.36	287.05
40 05 23 23-0736	EA		10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	1,083.53 255.14	382.71
40 05 23 23-0737	EA		12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	1,596.58 382.72	574.08
40 05 23 23-0738	EA		14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	1,874.85 446.51	669.76
40 05 23 23-0739	EA		16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	2,182.72 509.32	763.98
40 05 23 23-0740	EA		18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	2,752.14 637.86	956.81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0741	EA		20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,898.46 893.01	1,339.52
40 05 23 23-0742	EA		24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	5,609.24 1,275.73	1,913.59
<b>40 05 23 23-0743 Type 316, Schedule 10 Stainless Steel Butt Weld Tees (40 05 23 23-0685)</b>					
40 05 23 23-0744	EA		1/2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	149.78 41.34	62.02
40 05 23 23-0745	EA		3/4", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	181.14 50.75	76.13
40 05 23 23-0746	EA		1", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	202.05 57.02	85.54
40 05 23 23-0747	EA		1-1/4", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	231.75 65.03	97.54
40 05 23 23-0748	EA		1-1/2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	245.69 69.80	104.71
40 05 23 23-0749	EA		2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	267.16 76.13	114.20
40 05 23 23-0750	EA		2-1/2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	323.79 91.22	136.84
40 05 23 23-0751	EA		3", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	405.90 114.32	171.49
40 05 23 23-0752	EA		4", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	464.12 128.31	192.46
40 05 23 23-0753	EA		6", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	668.81 171.08	256.60
40 05 23 23-0754	EA		8", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,089.03 255.14	382.71
40 05 23 23-0755	EA		10", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,684.96 382.72	574.08
40 05 23 23-0756	EA		12", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,155.76 478.40	717.59
40 05 23 23-0757	EA		14", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,731.53 574.90	862.35
40 05 23 23-0758	EA		16", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,245.88 701.32	1,051.97
40 05 23 23-0759	EA		18", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	4,127.05 893.01	1,339.52
40 05 23 23-0760	EA		20", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	5,539.16 1,175.01	1,762.53
40 05 23 23-0761	EA		24", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	8,020.04 1,786.02	2,679.03
<b>40 05 23 23-0762 Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0685)</b>					
40 05 23 23-0763	EA		3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	137.84 34.54	51.81
40 05 23 23-0764	EA		1", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	164.85 42.33	63.49
40 05 23 23-0765	EA		1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	197.95 47.56	71.34
40 05 23 23-0766	EA		1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	207.83 54.22	81.32
40 05 23 23-0767	EA		2", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	221.30 58.26	87.38
40 05 23 23-0768	EA		2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	287.50 63.49	95.23
40 05 23 23-0769	EA		3", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	292.58 76.10	114.15
40 05 23 23-0770	EA		4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	387.46 95.12	142.67
40 05 23 23-0771	EA		6", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	524.73 108.68	163.02
40 05 23 23-0772	EA		8", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	969.88 159.47	239.20
40 05 23 23-0773	EA		10", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,702.48 212.62	318.94
40 05 23 23-0774	EA		12", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,267.27 318.93	478.39
40 05 23 23-0775	EA		14", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,598.44 383.16	574.74
40 05 23 23-0776	EA		16", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,212.64 467.38	701.07
40 05 23 23-0777	EA		18", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	4,142.30 595.34	893.01
40 05 23 23-0778	EA		20", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	5,842.53 783.34	1,175.01
40 05 23 23-0779	EA		24", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	9,112.00 1,189.62	1,784.43
<b>40 05 23 23-0780 Type 316, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 23-0685)</b>					
40 05 23 23-0781	EA		3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	112.28 31.41	47.12
40 05 23 23-0782	EA		1", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	123.44 34.23	51.34

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0783	EA	1-1/4"	Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	137.50 37.95	56.92
40 05 23 23-0784	EA	1-1/2"	Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	145.59 41.36	62.04
40 05 23 23-0785	EA	2"	Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	159.09 45.67	68.51
40 05 23 23-0786	EA	2-1/2"	Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	206.75 57.07	85.61
40 05 23 23-0787	EA	3"	Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	239.27 64.97	97.46
40 05 23 23-0788	EA	4"	Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	267.18 76.13	114.20
40 05 23 23-0789	EA	6"	Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	361.98 96.92	145.39
40 05 23 23-0790	EA	8"	Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	567.93 153.09	229.63
40 05 23 23-0791	EA	10"	Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	728.36 191.36	287.05
40 05 23 23-0792	EA	12"	Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	973.66 255.14	382.71
40 05 23 23-0793	EA	14"	Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,354.95 334.88	502.31
40 05 23 23-0794	EA	16"	Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,565.76 381.63	572.44
40 05 23 23-0795	EA	18"	Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,944.81 478.40	717.59
40 05 23 23-0796	EA	20"	Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,699.58 637.86	956.81
40 05 23 23-0797	EA	24"	Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,958.11 956.80	1,435.20
40 05 23 23-0798	EA	3/4"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	125.96 31.41	47.12
40 05 23 23-0799	EA	1"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	139.69 34.23	51.34
40 05 23 23-0800	EA	1-1/4"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	156.76 37.95	56.92
40 05 23 23-0801	EA	1-1/2"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	168.12 41.36	62.04
40 05 23 23-0802	EA	2"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	173.00 45.67	68.51
40 05 23 23-0803	EA	2-1/2"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	225.97 57.07	85.61
40 05 23 23-0804	EA	3"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	258.99 64.97	97.46
40 05 23 23-0805	EA	4"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	293.91 76.13	114.20
40 05 23 23-0806	EA	6"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	407.91 96.92	145.39
40 05 23 23-0807	EA	8"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	667.48 153.09	229.63
40 05 23 23-0808	EA	10"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	899.80 191.36	287.05
40 05 23 23-0809	EA	12"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,151.56 255.14	382.71
40 05 23 23-0810	EA	14"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,692.32 334.88	502.31
40 05 23 23-0811	EA	16"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,973.52 381.63	572.44
40 05 23 23-0812	EA	18"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,451.43 478.40	717.59
40 05 23 23-0813	EA	20"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,509.82 637.86	956.81
40 05 23 23-0814	EA	24"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	4,920.33 956.80	1,435.20
<b>40 05 23 23-0815</b>	<b>Type 316, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0685)</b>				
40 05 23 23-0816	EA	1/2"	Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	61.96 16.27	24.40
40 05 23 23-0817	EA	3/4"	Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	67.92 17.26	25.90
40 05 23 23-0818	EA	1"	Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	74.51 18.98	28.45
40 05 23 23-0819	EA	1-1/4"	Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	81.41 20.68	31.01
40 05 23 23-0820	EA	1-1/2"	Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	88.44 22.84	34.25
40 05 23 23-0821	EA	2"	Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	94.36 25.40	38.11
40 05 23 23-0822	EA	2-1/2"	Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	118.62 32.51	48.77
40 05 23 23-0823	EA	3"	Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	140.05 38.11	57.17
40 05 23 23-0824	EA	4"	Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	167.71 45.62	68.41
40 05 23 23-0825	EA	6"	Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	216.29 57.07	85.61
40 05 23 23-0826	EA	8"	Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	365.70 95.68	143.51



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0827	EA	10", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	485.78 127.57	191.36
40 05 23 23-0828	EA	12", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	719.01 191.36	287.03
40 05 23 23-0829	EA	14", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	836.94 223.25	334.88
40 05 23 23-0830	EA	16", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	960.27 254.66	381.99
40 05 23 23-0831	EA	18", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,208.21 318.93	478.39
40 05 23 23-0832	EA	20", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,678.66 446.51	669.76
40 05 23 23-0833	EA	24", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,499.31 637.86	956.79
<b>40 05 23 23-0834</b>		<b>Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings</b> (40 05 23 23-0231)		
<b>40 05 23 23-0835</b>		<b>Type 316, Schedule 40 Stainless Steel Pipe</b> (40 05 23 23-0834)		
40 05 23 23-0836	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	20.47 2.57	4.28
40 05 23 23-0837	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	24.84 3.14	5.23
40 05 23 23-0838	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	30.53 3.68	6.18
40 05 23 23-0839	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	38.17 4.60	7.61
40 05 23 23-0840	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	44.04 5.19	8.56
40 05 23 23-0841	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	56.55 6.43	10.94
40 05 23 23-0842	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	70.53 7.34	12.36
40 05 23 23-0843	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	68.11 8.27	13.79
40 05 23 23-0844	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	114.63 9.79	16.17
40 05 23 23-0845	LF	6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	179.84 12.86	21.40
40 05 23 23-0846	LF	8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	316.02 24.36	37.70
40 05 23 23-0847	LF	10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	402.41 26.79	41.67
40 05 23 23-0848	LF	12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	503.65 29.77	46.14
<b>40 05 23 23-0849</b>		<b>Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows</b> (40 05 23 23-0834)		
40 05 23 23-0850	EA	1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	113.17 32.53	48.79
40 05 23 23-0851	EA	3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	119.84 34.53	51.79
40 05 23 23-0852	EA	1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	131.95 37.95	56.92
40 05 23 23-0853	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	143.74 41.36	62.04
40 05 23 23-0854	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	158.57 45.67	68.51
40 05 23 23-0855	EA	2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	178.17 50.81	76.21
40 05 23 23-0856	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	234.90 65.03	97.54
40 05 23 23-0857	EA	3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	277.63 76.22	114.32
40 05 23 23-0858	EA	4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	347.38 91.22	136.84
40 05 23 23-0859	EA	6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	512.21 113.96	170.93
40 05 23 23-0860	EA	8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	886.68 191.36	287.05
40 05 23 23-0861	EA	10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,393.91 255.14	382.71
40 05 23 23-0862	EA	12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,005.25 382.72	574.08
40 05 23 23-0863	EA	14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,260.23 446.51	669.76
40 05 23 23-0864	EA	16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,711.70 509.32	763.98
40 05 23 23-0865	EA	18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,450.20 637.86	956.81
40 05 23 23-0866	EA	20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,690.13 893.01	1,339.52
40 05 23 23-0867	EA	24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	6,787.36 1,275.73	1,913.59
<b>40 05 23 23-0868</b>		<b>Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows</b> (40 05 23 23-0834)		

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0869	EA	1/2"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	114.93 32.53	48.79
40 05 23 23-0870	EA	3/4"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	121.60 34.53	51.79
40 05 23 23-0871	EA	1"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	133.00 37.95	56.92
40 05 23 23-0872	EA	1-1/4"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	144.25 41.36	62.04
40 05 23 23-0873	EA	1-1/2"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	159.62 45.67	68.51
40 05 23 23-0874	EA	2"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	178.17 50.81	76.21
40 05 23 23-0875	EA	2-1/2"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	234.90 65.03	97.54
40 05 23 23-0876	EA	3"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	270.77 76.22	114.32
40 05 23 23-0877	EA	4"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	334.35 91.22	136.84
40 05 23 23-0878	EA	6"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	458.71 113.96	170.93
40 05 23 23-0879	EA	8"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	792.41 191.36	287.05
40 05 23 23-0880	EA	10"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,176.66 255.14	382.71
40 05 23 23-0881	EA	12"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,714.42 382.72	574.08
40 05 23 23-0882	EA	14"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,959.23 446.51	669.76
40 05 23 23-0883	EA	16"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,217.87 509.32	763.98
40 05 23 23-0884	EA	18"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,835.42 637.86	956.81
40 05 23 23-0885	EA	20"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,879.17 893.01	1,339.52
40 05 23 23-0886	EA	24"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	5,704.36 1,275.73	1,913.59
<b>40 05 23 23-0887</b>	<b>Type 316, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 23-0834)</b>				
40 05 23 23-0888	EA	1/2"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	150.83 41.34	62.02
40 05 23 23-0889	EA	3/4"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	182.19 50.75	76.13
40 05 23 23-0890	EA	1"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	203.10 57.02	85.54
40 05 23 23-0891	EA	1-1/4"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	233.28 65.03	97.54
40 05 23 23-0892	EA	1-1/2"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	245.69 69.80	104.71
40 05 23 23-0893	EA	2"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	267.86 76.13	114.20
40 05 23 23-0894	EA	2-1/2"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	330.06 91.22	136.84
40 05 23 23-0895	EA	3"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	409.24 114.32	171.49
40 05 23 23-0896	EA	4"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	469.93 128.31	192.46
40 05 23 23-0897	EA	6"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	710.17 171.08	256.60
40 05 23 23-0898	EA	8"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,195.29 255.14	382.71
40 05 23 23-0899	EA	10"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,965.52 382.72	574.08
40 05 23 23-0900	EA	12"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,424.73 478.40	717.59
40 05 23 23-0901	EA	14"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,364.25 574.90	862.35
40 05 23 23-0902	EA	16"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	4,157.65 701.32	1,051.97
40 05 23 23-0903	EA	18"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	5,369.95 893.01	1,339.52
40 05 23 23-0904	EA	20"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	6,991.26 1,175.01	1,762.53
40 05 23 23-0905	EA	24"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	10,117.29 1,786.02	2,679.03
<b>40 05 23 23-0906</b>	<b>Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0834)</b>				
40 05 23 23-0907	EA	3/4"	Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	141.19 34.54	51.81
40 05 23 23-0908	EA	1"	Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	167.14 42.33	63.49
40 05 23 23-0909	EA	1-1/4"	Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	212.03 47.56	71.34
40 05 23 23-0910	EA	1-1/2"	Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	213.29 54.22	81.32
40 05 23 23-0911	EA	2"	Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	221.30 58.26	87.38

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0912	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	288.55 63.49	95.23
40 05 23 23-0913	EA	3", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	300.14 76.10	114.15
40 05 23 23-0914	EA	4", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	395.03 95.12	142.67
40 05 23 23-0915	EA	6", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	529.48 108.68	163.02
40 05 23 23-0916	EA	8", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	876.36 159.47	239.20
40 05 23 23-0917	EA	10", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,725.87 212.62	318.94
40 05 23 23-0918	EA	12", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,314.03 318.93	478.39
40 05 23 23-0919	EA	14", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,649.74 383.16	574.74
40 05 23 23-0920	EA	16", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,276.90 467.38	701.07
40 05 23 23-0921	EA	18", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	4,226.09 595.34	893.01
40 05 23 23-0922	EA	20", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	5,968.02 783.34	1,175.01
40 05 23 23-0923	EA	24", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	9,311.86 1,189.62	1,784.43
<b>40 05 23 23-0924</b>		<b>Type 316, Schedule 40 Stainless Steel Butt Weld Reducers (40 05 23 23-0834)</b>		
40 05 23 23-0925	EA	3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	115.09 31.41	47.12
40 05 23 23-0926	EA	1", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	126.25 34.23	51.34
40 05 23 23-0927	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	138.78 37.95	56.92
40 05 23 23-0928	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	148.76 41.36	62.04
40 05 23 23-0929	EA	2", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	161.03 45.67	68.51
40 05 23 23-0930	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	212.94 57.07	85.61
40 05 23 23-0931	EA	3", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	232.41 64.97	97.46
40 05 23 23-0932	EA	4", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	269.62 76.13	114.20
40 05 23 23-0933	EA	6", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	363.21 96.92	145.39
40 05 23 23-0934	EA	8", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	604.76 153.09	229.63
40 05 23 23-0935	EA	10", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	797.73 191.36	287.05
40 05 23 23-0936	EA	12", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,023.46 255.14	382.71
40 05 23 23-0937	EA	14", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,449.81 334.88	502.31
40 05 23 23-0938	EA	16", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,666.71 381.63	572.44
40 05 23 23-0939	EA	18", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,196.98 478.40	717.59
40 05 23 23-0940	EA	20", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,969.31 637.86	956.81
40 05 23 23-0941	EA	24", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	4,298.71 956.80	1,435.20
40 05 23 23-0942	EA	3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	134.98 31.41	47.12
40 05 23 23-0943	EA	1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	144.38 34.23	51.34
40 05 23 23-0944	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	165.91 37.95	56.92
40 05 23 23-0945	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	173.58 41.36	62.04
40 05 23 23-0946	EA	2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	187.43 45.67	68.51
40 05 23 23-0947	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	225.97 57.07	85.61
40 05 23 23-0948	EA	3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	283.27 64.97	97.46
40 05 23 23-0949	EA	4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	313.27 76.13	114.20
40 05 23 23-0950	EA	6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	434.84 96.92	145.39
40 05 23 23-0951	EA	8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	658.36 153.09	229.63
40 05 23 23-0952	EA	10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	915.58 191.36	287.05
40 05 23 23-0953	EA	12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,259.15 255.14	382.71
40 05 23 23-0954	EA	14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,845.80 334.88	502.31
40 05 23 23-0955	EA	16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,122.59 381.63	572.44

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

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MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 23 23-0956	EA 18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,820.16 478.40	717.59
40 05 23 23-0957	EA 20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,647.33 637.86	956.81
40 05 23 23-0958	EA 24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	5,468.47 956.80	1,435.20
<b>40 05 23 23-0959</b>	<b>Type 316, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 23-0934)</b>		
40 05 23 23-0960	EA 1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	62.32 16.27	24.40
40 05 23 23-0961	EA 3/4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	67.75 17.26	25.90
40 05 23 23-0962	EA 1", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	74.87 18.98	28.45
40 05 23 23-0963	EA 1-1/4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	84.67 20.68	31.01
40 05 23 23-0964	EA 1-1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	85.80 22.84	34.25
40 05 23 23-0965	EA 2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	96.82 25.40	38.11
40 05 23 23-0966	EA 2-1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	121.82 32.51	48.77
40 05 23 23-0967	EA 3", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	140.58 38.11	57.17
40 05 23 23-0968	EA 4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	171.59 45.62	68.41
40 05 23 23-0969	EA 6", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	232.48 57.07	85.61
40 05 23 23-0970	EA 8", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	396.12 95.68	143.51
40 05 23 23-0971	EA 10", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	530.54 127.57	191.36
40 05 23 23-0972	EA 12", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	792.21 191.36	287.03
40 05 23 23-0973	EA 14", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	907.88 223.25	334.88
40 05 23 23-0974	EA 16", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,023.82 254.66	381.99
40 05 23 23-0975	EA 18", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,301.26 318.93	478.39
40 05 23 23-0976	EA 20", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,795.80 446.51	669.76
40 05 23 23-0977	EA 24", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,727.42 637.86	956.79
<b>40 05 23 23-0978</b>	<b>Valves (40 05 23 23-0231)</b>		
<b>40 05 23 23-0979</b>	<b>Gate Valves, Class 150 (40 05 23 23-0978)</b>		
40 05 23 23-0980	EA 1/2" Gate Valve, Stainless Steel, Flanged <i>For Class 200, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	492.75 -115.47 18.32 405.78	48.86
40 05 23 23-0981	EA 3/4" Gate Valve, Stainless Steel, Flanged <i>For Class 200, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	535.93 -124.30 21.38 436.79	50.90
40 05 23 23-0982	EA 1" Gate Valve, Stainless Steel, Flanged <i>For Class 200, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	661.39 -151.23 28.81 531.44	76.35
40 05 23 23-0983	EA 1-1/4" Gate Valve, Stainless Steel, Flanged <i>For Class 200, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	832.77 -193.17 33.20 678.79	89.07
40 05 23 23-0984	EA 1-1/2" Gate Valve, Stainless Steel, Flanged <i>For Class 200, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	940.64 -214.13 42.05 752.46	112.12
40 05 23 23-0985	EA 2" Gate Valve, Stainless Steel, Flanged <i>For Class 200, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,116.98 -253.41 50.90 890.48	135.70
40 05 23 23-0986	EA 2-1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,598.40 55.52 1,328.52	147.61
40 05 23 23-0987	EA 3" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,801.16 64.97 1,489.51	173.06
40 05 23 23-0988	EA 4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,390.62 109.07 1,905.44	290.12
40 05 23 23-0989	EA 6" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,983.24 137.92 3,312.10	366.47
40 05 23 23-0990	EA 8" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	8,644.87 174.51 7,579.39	468.26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	23-0991	EA	10" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	12,171.97 213.77 10,771.84	570.06
40 05 23	23-0992	EA	12" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	18,303.55 259.12 16,393.43	692.21
<b>40 05 23 23-0993 Globe Valves, Class 150 <small>(40 05 23 23-0978)</small></b>					
40 05 23	23-0994	EA	1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	670.88 18.32 -163.12 573.22	48.86
40 05 23	23-0995	EA	3/4" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	742.93 21.38 -179.67 631.37	50.90
40 05 23	23-0996	EA	1" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	926.78 28.81 -222.23 780.91	76.35
40 05 23	23-0997	EA	1-1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,377.44 42.05 -330.98 1,163.05	112.12
40 05 23	23-0998	EA	2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,680.92 50.90 -404.26 1,420.58	135.70
40 05 23	23-0999	EA	2-1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,366.69 55.52 2,990.71	147.61
40 05 23	23-1000	EA	3" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,486.57 64.97 3,073.79	173.06
40 05 23	23-1001	EA	4" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,163.80 109.07 3,572.23	290.12
40 05 23	23-1002	EA	6" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	7,662.52 137.92 6,770.62	366.47
<b>40 05 23 23-1003 Check Valves, Class 150 <small>(40 05 23 23-0978)</small></b>					
40 05 23	23-1004	EA	2-1/2" Check Valve, Stainless Steel, Flanged <i>For Class 300, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,530.58 1,264.77 55.52	147.61
40 05 23	23-1005	EA	3" Check Valve, Stainless Steel, Flanged <i>For Class 300, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,604.03 1,304.20 64.97	173.06
40 05 23	23-1006	EA	4" Check Valve, Stainless Steel, Flanged <i>For Class 300, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,522.85 2,029.73 109.07	290.12
40 05 23	23-1007	EA	6" Check Valve, Stainless Steel, Flanged <i>For Class 300, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,318.89 3,627.61 137.92	366.47
40 05 23	23-1008	EA	8" Check Valve, Stainless Steel, Flanged <i>For Class 300, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,564.91 6,564.23 174.51	468.26
<b>40 05 23 23-1009 Stainless Steel Thread-O-Let Fittings <small>(40 05 23 23-0231)</small></b>					
40 05 23	23-1010	EA	1/2", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	77.02 19.70	29.55
40 05 23	23-1011	EA	3/4", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	101.74 26.27	39.40
40 05 23	23-1012	EA	1", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	125.46 32.57	48.86
40 05 23	23-1013	EA	1-1/4", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	179.86 46.10	69.14
40 05 23	23-1014	EA	1-1/2", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	199.47 51.98	77.97
40 05 23	23-1015	EA	2", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	249.93 66.03	99.05
40 05 23	23-1016	EA	2-1/2", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	439.39 101.80	152.70
40 05 23	23-1017	EA	3", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	585.72 129.95	194.93
40 05 23	23-1018	EA	4", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	768.55 162.87	244.31
<b>40 05 23 23-1019 Stainless Steel Flanges <small>(40 05 23 23-0231)</small></b>					
<b>40 05 23 23-1020 150#, Type 304 Stainless Steel Raised Face Threaded Flange <small>(40 05 23 23-1019)</small></b>					
40 05 23	23-1021	EA	1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	54.11 9.85	16.42
40 05 23	23-1022	EA	3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	67.41 13.13	21.90

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1023	EA	1"	150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	80.77 16.29	27.15
40 05 23 23-1024	EA	1-1/4"	150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	110.39 23.05	38.42
40 05 23 23-1025	EA	1-1/2"	150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	120.20 25.99	43.32
40 05 23 23-1026	EA	2"	150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	154.03 33.02	55.02
40 05 23 23-1027	EA	2-1/2"	150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	231.11 50.90	84.80
40 05 23 23-1028	EA	3"	150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	280.87 64.97	173.06
40 05 23 23-1029	EA	4"	150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	359.39 81.44	135.70
<b>40 05 23 23-1030</b>			<b>300#, Type 304 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)</b>		
40 05 23 23-1031	EA	1/2"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	66.41 9.85	16.42
40 05 23 23-1032	EA	3/4"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	77.35 13.13	21.90
40 05 23 23-1033	EA	1"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	87.86 16.29	27.15
40 05 23 23-1034	EA	1-1/4"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	128.36 23.05	38.42
40 05 23 23-1035	EA	1-1/2"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	138.17 25.99	43.32
40 05 23 23-1036	EA	2"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	172.46 33.02	55.02
40 05 23 23-1037	EA	2-1/2"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	272.24 50.90	84.80
40 05 23 23-1038	EA	3"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	322.94 64.97	173.06
40 05 23 23-1039	EA	4"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	424.15 81.44	135.70
<b>40 05 23 23-1040</b>			<b>150#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)</b>		
40 05 23 23-1041	EA	1/2"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	75.49 16.27	24.39
40 05 23 23-1042	EA	3/4"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	81.17 17.26	25.90
40 05 23 23-1043	EA	1"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	90.67 18.98	28.45
40 05 23 23-1044	EA	1-1/4"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	108.24 20.70	31.03
40 05 23 23-1045	EA	1-1/2"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	115.29 22.81	34.22
40 05 23 23-1046	EA	2"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	128.20 25.41	38.12
40 05 23 23-1047	EA	2-1/2"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	174.03 32.49	48.74
40 05 23 23-1048	EA	3"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	198.67 38.04	57.06
40 05 23 23-1049	EA	4"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	252.16 45.58	68.37
40 05 23 23-1050	EA	6"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	362.86 56.96	85.43
40 05 23 23-1051	EA	8"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	612.01 95.68	143.51
40 05 23 23-1052	EA	10"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	857.75 127.57	191.36
40 05 23 23-1053	EA	12"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,312.86 191.36	287.03
40 05 23 23-1054	EA	14"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,621.33 223.25	334.88
40 05 23 23-1055	EA	16"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,993.51 254.66	381.99
40 05 23 23-1056	EA	18"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	2,453.59 318.93	478.39
40 05 23 23-1057	EA	20"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	3,220.68 446.51	669.76
40 05 23 23-1058	EA	24"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	4,581.08 637.86	956.79
<b>40 05 23 23-1059</b>			<b>300#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)</b>		
40 05 23 23-1060	EA	1/2"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	90.15 16.27	24.39
40 05 23 23-1061	EA	3/4"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	93.47 17.26	25.90
40 05 23 23-1062	EA	1"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	99.19 18.98	28.45
40 05 23 23-1063	EA	1-1/4"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	124.76 20.70	31.03
40 05 23 23-1064	EA	1-1/2"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	131.81 22.81	34.22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1065	EA	2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	142.38 25.41	38.12
40 05 23 23-1066	EA	2-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	198.60 32.49	48.74
40 05 23 23-1067	EA	3" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	226.08 38.04	57.06
40 05 23 23-1068	EA	4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	316.43 45.58	68.37
40 05 23 23-1069	EA	6" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	435.65 56.96	85.43
40 05 23 23-1070	EA	8" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	793.52 95.68	143.51
40 05 23 23-1071	EA	10" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,097.42 127.57	191.36
40 05 23 23-1072	EA	12" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,617.30 191.36	287.03
40 05 23 23-1073	EA	14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	2,102.57 223.25	334.88
40 05 23 23-1074	EA	16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	2,569.02 254.66	381.99
40 05 23 23-1075	EA	18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	3,273.10 318.93	478.39
40 05 23 23-1076	EA	20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	4,269.21 446.51	669.76
40 05 23 23-1077	EA	24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	6,200.48 637.86	956.79
<b>40 05 23 23-1078</b>		<b>150#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)</b>		
40 05 23 23-1079	EA	1/2", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	127.33 32.53	48.78
40 05 23 23-1080	EA	3/4", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	134.48 34.53	51.78
40 05 23 23-1081	EA	1", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	147.77 37.95	56.92
40 05 23 23-1082	EA	1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	166.80 41.39	62.08
40 05 23 23-1083	EA	1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	180.91 45.62	68.42
40 05 23 23-1084	EA	2", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	206.77 50.82	76.22
40 05 23 23-1085	EA	2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	269.10 64.99	97.47
40 05 23 23-1086	EA	3", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	309.90 76.09	114.13
40 05 23 23-1087	EA	4", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	380.48 91.17	136.75
40 05 23 23-1088	EA	6", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	496.44 113.90	170.85
40 05 23 23-1089	EA	8", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	858.63 191.36	287.03
40 05 23 23-1090	EA	10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,193.18 255.14	382.71
40 05 23 23-1091	EA	12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,781.98 382.72	574.07
<b>40 05 23 23-1092</b>		<b>300#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)</b>		
40 05 23 23-1093	EA	1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	136.78 32.53	48.78
40 05 23 23-1094	EA	3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	143.45 34.53	51.78
40 05 23 23-1095	EA	1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	154.86 37.95	56.92
40 05 23 23-1096	EA	1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	181.46 41.39	62.08
40 05 23 23-1097	EA	1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	195.57 45.62	68.42
40 05 23 23-1098	EA	2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	216.68 50.82	76.22
40 05 23 23-1099	EA	2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	305.99 64.99	97.47
40 05 23 23-1100	EA	3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	346.76 76.09	114.13
40 05 23 23-1101	EA	4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	431.52 91.17	136.75
40 05 23 23-1102	EA	6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	640.62 113.90	170.85
40 05 23 23-1103	EA	8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,004.21 191.36	287.03
40 05 23 23-1104	EA	10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,427.64 255.14	382.71
40 05 23 23-1105	EA	12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	2,083.57 382.72	574.07
<b>40 05 23 23-1106</b>		<b>150#, Type 304 Stainless Steel Blind Flanges (40 05 23 23-1019)</b>		

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1107	EA	1/2"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	41.86 6.51	9.75
40 05 23 23-1108	EA	3/4"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	43.81 6.91	10.35
40 05 23 23-1109	EA	1"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	47.53 7.59	11.37
40 05 23 23-1110	EA	1-1/4"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	59.84 8.45	12.67
40 05 23 23-1111	EA	1-1/2"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	69.73 11.42	17.12
40 05 23 23-1112	EA	2"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	81.48 12.67	19.01
40 05 23 23-1113	EA	2-1/2"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	110.08 16.29	24.43
40 05 23 23-1114	EA	3"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	137.54 22.83	34.24
40 05 23 23-1115	EA	4"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	212.83 38.04	57.05
40 05 23 23-1116	EA	6"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	288.77 48.91	73.37
40 05 23 23-1117	EA	8"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	428.66 59.54	89.30
40 05 23 23-1118	EA	10"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	638.03 71.44	107.16
40 05 23 23-1119	EA	12"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	838.90 89.30	133.95
40 05 23 23-1120	EA	14"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,064.45 111.63	167.43
40 05 23 23-1121	EA	16"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,355.89 127.33	191.00
40 05 23 23-1122	EA	18"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,612.44 159.47	239.20
40 05 23 23-1123	EA	20"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,153.80 223.25	334.88
40 05 23 23-1124	EA	24"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,130.23 318.93	478.39
<b>40 05 23 23-1125</b>			<b>300#, Type 304 Stainless Steel Blind Flanges (40 05 23 23-1019)</b>		
40 05 23 23-1126	EA	1/2"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	51.48 6.51	9.75
40 05 23 23-1127	EA	3/4"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	52.81 6.91	10.35
40 05 23 23-1128	EA	1"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	55.09 7.59	11.37
40 05 23 23-1129	EA	1-1/4"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	68.82 8.45	12.67
40 05 23 23-1130	EA	1-1/2"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	78.71 11.42	17.12
40 05 23 23-1131	EA	2"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	86.20 12.67	19.01
40 05 23 23-1132	EA	2-1/2"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	143.17 16.29	24.43
40 05 23 23-1133	EA	3"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	168.50 22.83	34.24
40 05 23 23-1134	EA	4"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	251.58 38.04	57.05
40 05 23 23-1135	EA	6"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	448.53 48.91	73.37
40 05 23 23-1136	EA	8"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	619.62 59.54	89.30
40 05 23 23-1137	EA	10"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	870.58 71.44	107.16
40 05 23 23-1138	EA	12"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,195.78 89.30	133.95
40 05 23 23-1139	EA	14"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,659.69 111.63	167.43
40 05 23 23-1140	EA	16"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,107.40 127.33	191.00
40 05 23 23-1141	EA	18"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,743.46 159.47	239.20
40 05 23 23-1142	EA	20"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,495.68 223.25	334.88
40 05 23 23-1143	EA	24"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	5,337.31 318.93	478.39
<b>40 05 23 23-1144</b>			<b>150#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)</b>		
40 05 23 23-1145	EA	1/2"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	62.63 9.85	16.42
40 05 23 23-1146	EA	3/4"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	78.30 13.13	21.90
40 05 23 23-1147	EA	1"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	91.15 16.29	27.15
40 05 23 23-1148	EA	1-1/4"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	125.98 23.05	38.42
40 05 23 23-1149	EA	1-1/2"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	135.79 25.99	43.32



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1150	EA		2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	171.06 33.02	55.02
40 05 23 23-1151	EA		2-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	255.70 50.90	84.80
40 05 23 23-1152	EA		3", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	312.55 64.97	173.06
40 05 23 23-1153	EA		4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	403.81 81.44	135.70
<b>40 05 23 23-1154</b>			<b>300#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)</b>		
40 05 23 23-1155	EA		1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	78.70 9.85	16.42
40 05 23 23-1156	EA		3/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	89.64 13.13	21.90
40 05 23 23-1157	EA		1", 300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	100.15 16.29	27.15
40 05 23 23-1158	EA		1-1/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	152.00 23.05	38.42
40 05 23 23-1159	EA		1-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	161.81 25.99	43.32
40 05 23 23-1160	EA		2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	193.26 33.02	55.02
40 05 23 23-1161	EA		2-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	319.04 50.90	84.80
40 05 23 23-1162	EA		3", 300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	370.68 64.97	173.06
40 05 23 23-1163	EA		4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	500.24 81.44	135.70
<b>40 05 23 23-1164</b>			<b>150#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)</b>		
40 05 23 23-1165	EA		1/2", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	86.35 16.27	24.39
40 05 23 23-1166	EA		3/4", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	92.06 17.26	25.90
40 05 23 23-1167	EA		1", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	102.96 18.98	28.45
40 05 23 23-1168	EA		1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	124.30 20.70	31.03
40 05 23 23-1169	EA		1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	131.35 22.81	34.22
40 05 23 23-1170	EA		2", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	144.74 25.41	38.12
40 05 23 23-1171	EA		2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	201.89 32.49	48.74
40 05 23 23-1172	EA		3", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	223.71 38.04	57.06
40 05 23 23-1173	EA		4", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	294.70 45.58	68.37
40 05 23 23-1174	EA		6", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	436.60 56.96	85.43
40 05 23 23-1175	EA		8", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	725.93 95.68	143.51
40 05 23 23-1176	EA		10", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,047.78 127.57	191.36
40 05 23 23-1177	EA		12", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,563.89 191.36	287.03
40 05 23 23-1178	EA		14", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,829.23 223.25	334.88
40 05 23 23-1179	EA		16", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	2,264.81 254.66	381.99
40 05 23 23-1180	EA		18", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	2,783.16 318.93	478.39
40 05 23 23-1181	EA		20", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	3,631.28 446.51	669.76
40 05 23 23-1182	EA		24", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	5,162.93 637.86	956.79
<b>40 05 23 23-1183</b>			<b>300#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)</b>		
40 05 23 23-1184	EA		1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	104.33 16.27	24.39
40 05 23 23-1185	EA		3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	107.65 17.26	25.90
40 05 23 23-1186	EA		1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	113.37 18.98	28.45
40 05 23 23-1187	EA		1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	144.17 20.70	31.03
40 05 23 23-1188	EA		1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	151.22 22.81	34.22
40 05 23 23-1189	EA		2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	166.01 25.41	38.12
40 05 23 23-1190	EA		2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	239.26 32.49	48.74
40 05 23 23-1191	EA		3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	264.37 38.04	57.06

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

HUMBOLDT STATE UNIVERSITY

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1192	EA		4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	387.33 45.58	68.37
40 05 23 23-1193	EA		6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	611.02 56.96	85.43
40 05 23 23-1194	EA		8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	972.69 95.68	143.51
40 05 23 23-1195	EA		10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,387.64 127.57	191.36
40 05 23 23-1196	EA		12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	2,043.65 191.36	287.03
40 05 23 23-1197	EA		14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	2,722.69 223.25	334.88
40 05 23 23-1198	EA		16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	3,354.27 254.66	381.99
40 05 23 23-1199	EA		18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	4,281.98 318.93	478.39
40 05 23 23-1200	EA		20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	5,538.69 446.51	669.76
40 05 23 23-1201	EA		24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	8,060.40 637.86	956.79
<b>40 05 23 23-1202</b>			<b>150#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)</b>		
40 05 23 23-1203	EA		1/2", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	133.01 32.53	48.78
40 05 23 23-1204	EA		3/4", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	143.00 34.53	51.78
40 05 23 23-1205	EA		1", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	157.54 37.95	56.92
40 05 23 23-1206	EA		1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	202.42 41.39	62.08
40 05 23 23-1207	EA		1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	192.25 45.62	68.42
40 05 23 23-1208	EA		2", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	209.59 50.82	76.22
40 05 23 23-1209	EA		2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	267.22 64.99	97.47
40 05 23 23-1210	EA		3", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	325.97 76.09	114.13
40 05 23 23-1211	EA		4", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	414.49 91.17	136.75
40 05 23 23-1212	EA		6", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	547.01 113.90	170.85
40 05 23 23-1213	EA		8", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	963.07 191.36	287.03
40 05 23 23-1214	EA		10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,335.94 255.14	382.71
40 05 23 23-1215	EA		12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,972.94 382.72	574.07
<b>40 05 23 23-1216</b>			<b>300#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)</b>		
40 05 23 23-1217	EA		1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	146.24 32.53	48.78
40 05 23 23-1218	EA		3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	152.91 34.53	51.78
40 05 23 23-1219	EA		1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	164.32 37.95	56.92
40 05 23 23-1220	EA		1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	199.89 41.39	62.08
40 05 23 23-1221	EA		1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	214.00 45.62	68.42
40 05 23 23-1222	EA		2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	234.11 50.82	76.22
40 05 23 23-1223	EA		2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	347.10 64.99	97.47
40 05 23 23-1224	EA		3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	388.82 76.09	114.13
40 05 23 23-1225	EA		4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	496.74 91.17	136.75
40 05 23 23-1226	EA		6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	735.63 113.90	170.85
40 05 23 23-1227	EA		8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,102.06 191.36	287.03
40 05 23 23-1228	EA		10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,746.23 255.14	382.71
40 05 23 23-1229	EA		12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	2,364.34 382.72	574.07
<b>40 05 23 23-1230</b>			<b>150#, Type 316 Stainless Steel Blind Flanges (40 05 23 23-1019)</b>		
40 05 23 23-1231	EA		1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	46.28 6.51	9.75
40 05 23 23-1232	EA		3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	51.86 6.91	10.35
40 05 23 23-1233	EA		1", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	58.39 7.59	11.37

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1234	EA		1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	68.34 8.45	12.67
40 05 23 23-1235	EA		1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	78.23 11.42	17.12
40 05 23 23-1236	EA		2", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	95.66 12.67	19.01
40 05 23 23-1237	EA		2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	132.30 16.29	24.43
40 05 23 23-1238	EA		3", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	162.13 22.83	34.24
40 05 23 23-1239	EA		4", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	254.42 38.04	57.05
40 05 23 23-1240	EA		6", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	355.42 48.91	73.37
40 05 23 23-1241	EA		8", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	587.94 59.54	89.30
40 05 23 23-1242	EA		10", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	763.77 71.44	107.16
40 05 23 23-1243	EA		12", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,201.47 89.30	133.95
40 05 23 23-1244	EA		14", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,435.65 111.63	167.43
40 05 23 23-1245	EA		16", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,855.28 127.33	191.00
40 05 23 23-1246	EA		18", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	2,191.94 159.47	239.20
40 05 23 23-1247	EA		20", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	2,909.56 223.25	334.88
40 05 23 23-1248	EA		24", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	4,238.50 318.93	478.39
<b>40 05 23 23-1249</b>			<b>300#, Type 316 Stainless Steel Blind Flanges (40 05 23 23-1019)</b>		
40 05 23 23-1250	EA		1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	67.55 6.51	9.75
40 05 23 23-1251	EA		3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	68.88 6.91	10.35
40 05 23 23-1252	EA		1", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	71.16 7.59	11.37
40 05 23 23-1253	EA		1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	103.34 8.45	12.67
40 05 23 23-1254	EA		1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	113.23 11.42	17.12
40 05 23 23-1255	EA		2", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	125.43 12.67	19.01
40 05 23 23-1256	EA		2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	203.69 16.29	24.43
40 05 23 23-1257	EA		3", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	230.19 22.83	34.24
40 05 23 23-1258	EA		4", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	355.57 38.04	57.05
40 05 23 23-1259	EA		6", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	625.81 48.91	73.37
40 05 23 23-1260	EA		8", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	803.04 59.54	89.30
40 05 23 23-1261	EA		10", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,403.79 71.44	107.16
40 05 23 23-1262	EA		12", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,714.34 89.30	133.95
40 05 23 23-1263	EA		14", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	2,456.16 111.63	167.43
40 05 23 23-1264	EA		16", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	3,148.43 127.33	191.00
40 05 23 23-1265	EA		18", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	4,111.66 159.47	239.20
40 05 23 23-1266	EA		20", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	5,197.68 223.25	334.88
40 05 23 23-1267	EA		24", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	7,981.18 318.93	478.39
<b>40 05 23 23-1268</b>			<b>Type 316 Seamless Annealed Tubing (40 05 23 23)</b> Note: For high pressure air (8000 PSIG working pressure).		
<b>40 05 23 23-1269</b>			<b>Type 316 Seamless Annealed Tubing (40 05 23 23-1268)</b>		
40 05 23 23-1270	LF		3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness.....	17.83	
40 05 23 23-1271	LF		1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness.....	21.98	
40 05 23 23-1272	LF		3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness.....	26.52	
<b>40 05 23 23-1273</b>			<b>Type 316 Seamless Annealed Tubing Fittings (40 05 23 23-1268)</b> Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.		
40 05 23 23-1274	EA		3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules .....	59.69	
40 05 23 23-1275	EA		3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules .....	63.94	
40 05 23 23-1276	EA		3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules .....	98.09	
40 05 23 23-1277	EA		3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules .....	51.40	
40 05 23 23-1278	EA		3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	84.92	
40 05 23 23-1279	EA		1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules .....	65.27	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1280	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules .....	79.19	
40 05 23 23-1281	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules .....	121.79	
40 05 23 23-1282	EA	1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules .....	77.14	
40 05 23 23-1283	EA	1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules .....	119.75	
40 05 23 23-1284	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules .....	76.86	
40 05 23 23-1285	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules .....	98.63	
40 05 23 23-1286	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules .....	162.35	
40 05 23 23-1287	EA	3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules .....	133.47	
40 05 23 23-1288	EA	3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules .....	164.95	
<b>40 05 23 23-1289</b>		<b>Valves For High Pressure Air (5,000 PSIG) (40 05 23 23-1288)</b>		
<b>40 05 23 23-1290</b>		<b>Needle Valves (40 05 23 23-1289)</b>		
40 05 23 23-1291	EA	3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge .....	293.28	
40 05 23 23-1292	EA	1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge .....	463.63	
<b>40 05 23 23-1293</b>		<b>Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG (40 05 23 23-1289)</b>		
40 05 23 23-1294	EA	1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction .....	280.69	
<b>40 05 23 23-1295</b>		<b>Other Valves Working Pressure 6,000 PSI (40 05 23 23-1289)</b>		
40 05 23 23-1296	EA	1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG .....	1,151.93	
40 05 23 23-1297	EA	1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back .....	291.81	
40 05 23 23-1298	EA	Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element .....	58.15	
<b>40 05 41 Glass Process Pipe (40 05)</b>				
<b>40 05 41 00-0001</b>		<b>Glass Pressure Pipe (40 05 41)</b>		
<b>40 05 41 00-0002</b>		<b>Glass Pipe, Beaded Joints (40 05 41 00-0001)</b>		
40 05 41 00-0003	LF	1/2" Glass Pipe, Pressure .....	37.59	14.06
		<i>For Work In Restricted Working Space, Add</i>	8.43	
40 05 41 00-0004	LF	3/4" Glass Pipe, Pressure .....	45.11	16.87
		<i>For Work In Restricted Working Space, Add</i>	10.12	
40 05 41 00-0005	LF	1" Glass Pipe, Pressure .....	52.27	18.75
		<i>For Work In Restricted Working Space, Add</i>	11.24	
40 05 41 00-0006	LF	1-1/2" Glass Pipe, Pressure .....	69.13	25.30
		<i>For Work In Restricted Working Space, Add</i>	15.18	
40 05 41 00-0007	LF	2" Glass Pipe, Pressure .....	84.50	29.99
		<i>For Work In Restricted Working Space, Add</i>	17.99	
40 05 41 00-0008	LF	3" Glass Pipe, Pressure .....	104.37	34.67
		<i>For Work In Restricted Working Space, Add</i>	20.81	
40 05 41 00-0009	LF	4" Glass Pipe, Pressure .....	142.76	46.85
		<i>For Work In Restricted Working Space, Add</i>	28.11	
40 05 41 00-0010	LF	6" Glass Pipe, Pressure .....	200.45	56.23
		<i>For Work In Restricted Working Space, Add</i>	33.74	
<b>40 05 41 00-0011</b>		<b>Glass 90 Degree Elbows (40 05 41 00-0001)</b>		
40 05 41 00-0012	EA	1/2" 90 Degree Elbow, Glass, Pressure .....	172.09	74.96
		<i>For Work In Restricted Working Space, Add</i>	44.98	
40 05 41 00-0013	EA	3/4" 90 Degree Elbow, Glass, Pressure .....	185.40	79.65
		<i>For Work In Restricted Working Space, Add</i>	47.79	
40 05 41 00-0014	EA	1" 90 Degree Elbow, Glass, Pressure .....	202.81	84.34
		<i>For Work In Restricted Working Space, Add</i>	50.60	
40 05 41 00-0015	EA	1-1/2" 90 Degree Elbow, Glass, Pressure .....	223.83	93.71
		<i>For Work In Restricted Working Space, Add</i>	56.23	
40 05 41 00-0016	EA	2" 90 Degree Elbow, Glass, Pressure .....	254.72	103.08
		<i>For Work In Restricted Working Space, Add</i>	61.85	
40 05 41 00-0017	EA	3" 90 Degree Elbow, Glass, Pressure .....	321.00	121.82
		<i>For Work In Restricted Working Space, Add</i>	73.09	
40 05 41 00-0018	EA	4" 90 Degree Elbow, Glass, Pressure .....	370.05	131.19
		<i>For Work In Restricted Working Space, Add</i>	78.70	
40 05 41 00-0019	EA	6" 90 Degree Elbow, Glass, Pressure .....	580.53	149.94
		<i>For Work In Restricted Working Space, Add</i>	89.97	
<b>40 05 41 00-0020</b>		<b>Glass 45 Degree Elbows (40 05 41 00-0001)</b>		
40 05 41 00-0021	EA	1/2" 45 Degree Elbow, Glass, Pressure .....	171.20	74.96
		<i>For Work In Restricted Working Space, Add</i>	44.98	
40 05 41 00-0022	EA	3/4" 45 Degree Elbow, Glass, Pressure .....	184.37	79.65
		<i>For Work In Restricted Working Space, Add</i>	47.80	
40 05 41 00-0023	EA	1" 45 Degree Elbow, Glass, Pressure .....	201.44	84.34
		<i>For Work In Restricted Working Space, Add</i>	50.60	
40 05 41 00-0024	EA	1-1/2" 45 Degree Elbow, Glass, Pressure .....	222.37	93.71
		<i>For Work In Restricted Working Space, Add</i>	56.23	
40 05 41 00-0025	EA	2" 45 Degree Elbow, Glass, Pressure .....	252.74	103.08
		<i>For Work In Restricted Working Space, Add</i>	61.84	
40 05 41 00-0026	EA	3" 45 Degree Elbow, Glass, Pressure .....	317.93	121.82
		<i>For Work In Restricted Working Space, Add</i>	73.10	
40 05 41 00-0027	EA	4" 45 Degree Elbow, Glass, Pressure .....	365.74	131.19
		<i>For Work In Restricted Working Space, Add</i>	78.70	
40 05 41 00-0028	EA	6" 45 Degree Elbow, Glass, Pressure .....	569.20	149.94
		<i>For Work In Restricted Working Space, Add</i>	89.93	

MINOR	DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI UOM		UNIT COST		UNIT COST

<b>40 05 41 00-0029</b>	<b>Glass Tees</b> <small>(40 05 41 00-0001)</small>			
40 05 41 00-0030	EA 1/2" Tee, Glass, Pressure .....	262.86		112.45
	<i>For Work In Restricted Working Space, Add</i>	<i>67.48</i>		
40 05 41 00-0031	EA 3/4" Tee, Glass, Pressure .....	282.09		121.82
	<i>For Work In Restricted Working Space, Add</i>	<i>73.10</i>		
40 05 41 00-0032	EA 1" Tee, Glass, Pressure .....	304.82		131.19
	<i>For Work In Restricted Working Space, Add</i>	<i>78.70</i>		
40 05 41 00-0033	EA 1-1/2" Tee, Glass, Pressure .....	343.27		140.56
	<i>For Work In Restricted Working Space, Add</i>	<i>84.32</i>		
40 05 41 00-0034	EA 2" Tee, Glass, Pressure .....	382.10		154.62
	<i>For Work In Restricted Working Space, Add</i>	<i>92.78</i>		
40 05 41 00-0035	EA 3" Tee, Glass, Pressure .....	464.34		187.42
	<i>For Work In Restricted Working Space, Add</i>	<i>112.45</i>		
40 05 41 00-0036	EA 4" Tee, Glass, Pressure .....	543.59		196.70
	<i>For Work In Restricted Working Space, Add</i>	<i>118.02</i>		
40 05 41 00-0037	EA 6" Tee, Glass, Pressure .....	712.11		224.81
	<i>For Work In Restricted Working Space, Add</i>	<i>134.90</i>		
<b>40 05 41 00-0038</b>	<b>Glass Couplings, Vitron Liner</b> <small>(40 05 41 00-0001)</small>			
40 05 41 00-0039	EA 1/2" Coupling, Vitron Liner, Glass .....	31.86		
40 05 41 00-0040	EA 3/4" Coupling, Vitron Liner, Glass .....	36.41		
40 05 41 00-0041	EA 1" Coupling, Vitron Liner, Glass .....	42.48		
40 05 41 00-0042	EA 1-1/2" Coupling, Vitron Liner, Glass .....	48.54		
40 05 41 00-0043	EA 2" Coupling, Vitron Liner, Glass .....	58.40		
40 05 41 00-0044	EA 3" Coupling, Vitron Liner, Glass .....	106.95		
40 05 41 00-0045	EA 4" Coupling, Vitron Liner, Glass .....	128.94		
40 05 41 00-0046	EA 6" Coupling, Vitron Liner, Glass .....	257.89		

**END OF SECTION 40**

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections**

40 05 41 Glass Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**THIS PAGE INTENTIONALLY LEFT BLANK**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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41 Material Processing and Handling Equipment

41 01 Operation and Maintenance of Material Processing and Handling Equipment <sup>(41)</sup>

41 01 20 Operation and Maintenance of Piece Material Handling Equipment <sup>(41 01)</sup>

**41 01 20 13 Operation And Maintenance Of Hoists Or Cranes** <sup>(41 01 20)</sup>

41 01 20 13-0001 Maintenance <sup>(41 01 20 13)</sup>

41 01 20 13-0002	EA	Regular Inspection .....	355.14	
41 01 20 13-0003	HR	Hoist Or Crane Servicing, Labor Only .....	107.08	
41 01 20 13-0004	MO	Hoist Or Crane Maintenance Contract .....	806.32	

41 20 Piece Material Handling Equipment <sup>(41)</sup>

41 22 Cranes and Hoists <sup>(41 20)</sup>

**41 22 23 Hoists** <sup>(41 22)</sup>

**41 22 23 13 Fixed Hoists** <sup>(41 22 23)</sup>

41 22 23 13-0001 Air-Powered Chain Hoists <sup>(41 22 23 13)</sup>

Note: Excludes beam.

41 22 23 13-0002	EA	500 LB Capacity, Air-Powered Chain Hoist.....	5,001.69	360.02
41 22 23 13-0003	EA	1,000 LB Capacity, Air-Powered Chain Hoist.....	5,058.05	360.02
41 22 23 13-0004	EA	2,000 LB Capacity, Air-Powered Chain Hoist.....	6,074.78	360.02
41 22 23 13-0005	EA	4,000 LB Capacity, Air-Powered Chain Hoist.....	7,666.62	480.02
41 22 23 13-0006	EA	6,000 LB Capacity, Air-Powered Chain Hoist.....	9,684.82	600.03
41 22 23 13-0007	EA	8,000 LB Capacity, Air-Powered Chain Hoist.....	11,411.04	881.80
41 22 23 13-0008	EA	10,000 LB Capacity, Air-Powered Chain Hoist.....	13,192.16	1,065.05
41 22 23 13-0009	EA	12,000 LB Capacity, Air-Powered Chain Hoist.....	14,677.47	1,065.05

41 22 23 13-0010 Electric Hoists <sup>(41 22 23 13)</sup>

41 22 23 13-0011 Electric Industrial Chain Hoists <sup>(41 22 23 13-0010)</sup>

Note: Includes 20' of chain. Excludes beams.

41 22 23 13-0012	EA	500 LB Capacity, Electric Industrial Chain Hoist.....	3,574.01	348.01
		<i>For DC Electrical Operated, Add</i>	718.96	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0013	EA	1,000 LB Capacity, Electric Industrial Chain Hoist.....	3,731.29	348.01
		<i>For DC Electrical Operated, Add</i>	757.82	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0014	EA	2,000 LB Capacity, Electric Industrial Chain Hoist.....	4,127.01	348.01
		<i>For DC Electrical Operated, Add</i>	853.88	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0015	EA	3,000 LB Capacity, Electric Industrial Chain Hoist.....	6,234.04	360.02
		<i>For DC Electrical Operated, Add</i>	1,373.03	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0016	EA	4,000 LB Capacity, Electric Industrial Chain Hoist.....	5,368.23	360.02
		<i>For DC Electrical Operated, Add</i>	1,154.44	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0017	EA	5,000 LB Capacity, Electric Industrial Chain Hoist.....	7,686.73	372.02
		<i>For DC Electrical Operated, Add</i>	1,724.40	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0018	EA	6,000 LB Capacity, Electric Industrial Chain Hoist.....	6,943.27	408.02
		<i>For DC Electrical Operated, Add</i>	1,504.96	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0019	EA	7,500 LB Capacity, Electric Industrial Chain Hoist.....	8,594.25	504.03
		<i>For DC Electrical Operated, Add</i>	1,911.83	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0020	EA	10,000 LB Capacity, Electric Industrial Chain Hoist.....	10,164.83	513.48
		<i>For DC Electrical Operated, Add</i>	2,319.13	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0021	EA	15,000 LB Capacity, Electric Industrial Chain Hoist.....	16,385.94	535.81
		<i>For DC Electrical Operated, Add</i>	3,828.35	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0022	EA	20,000 LB Capacity, Electric Industrial Chain Hoist.....	19,646.33	558.13
		<i>For DC Electrical Operated, Add</i>	4,631.85	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0023	EA	25,000 LB Capacity, Electric Industrial Chain Hoist.....	27,216.65	580.46
		<i>For DC Electrical Operated, Add</i>	6,512.51	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0024	EA	30,000 LB Capacity, Electric Industrial Chain Hoist.....	34,853.17	636.27
		<i>For DC Electrical Operated, Add</i>	8,393.59	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	

41 22 23 13-0025 Hand Chain Hoists <sup>(41 22 23 13)</sup>

41 22 23 13-0026	EA	1,000 LB Capacity, Hand Chain Hoist.....	1,308.47	139.16
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**41 Material Processing and Handling Equipment****41 20 Piece Material Handling Equipment****41 22 Cranes and Hoists**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

41 22 23 13-0027	EA	2,000 LB Capacity, Hand Chain Hoist.....	1,532.87	141.06
41 22 23 13-0028	EA	3,000 LB Capacity, Hand Chain Hoist.....	2,041.77	147.74
41 22 23 13-0029	EA	4,000 LB Capacity, Hand Chain Hoist.....	2,291.78	149.64
41 22 23 13-0030	EA	5,000 LB Capacity, Hand Chain Hoist.....	2,756.85	157.27
41 22 23 13-0031	EA	6,000 LB Capacity, Hand Chain Hoist.....	3,090.43	183.95
41 22 23 13-0032	EA	10,000 LB Capacity, Hand Chain Hoist.....	4,260.24	189.68
41 22 23 13-0033	EA	16,000 LB Capacity, Hand Chain Hoist.....	5,556.09	228.75
41 22 23 13-0034	EA	20,000 LB Capacity, Hand Chain Hoist.....	6,770.98	239.24
41 22 23 13-0035	EA	30,000 LB Capacity, Hand Chain Hoist.....	11,876.83	273.56

**END OF SECTION 41**



<b>Process Gas and Liquid Handling, Purification, and Storage Equipment</b>	<b>43</b>	<b>43</b>
<b>Gas Handling Equipment</b>	<b>43 10</b>	
<b>Gas Fans, Blowers, Pumps And Boosters</b>	<b>43 11</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 10 Gas Handling Equipment <sup>(43)</sup>

43 11 Gas Fans, Blowers, Pumps And Boosters <sup>(43 10)</sup>

**43 11 43 Gas-handling Vacuum Pumps** <sup>(43 11)</sup>

43 11 43 00-0001	Vacuum Pumps <sup>(43 11 43)</sup>		
43 11 43 00-0002	EA 20 SCFM, Duplex Vacuum Pump .....	5,064.27	620.40
43 11 43 00-0003	EA 60 SCFM, 10 HP Vacuum Pump .....	7,597.89	1,017.50
43 11 43 00-0004	EA 180 SCFM, Triplex Vacuum Pump.....	8,991.81	1,240.81
43 11 43 00-0005	EA Vacuum Pressure Pump, Millipore #XX5500000 Or Equal, 115 Volt, 60 Hertz.....	1,581.05	468.36

43 20 Liquid Handling Equipment <sup>(43)</sup>

43 23 Dry Location Liquid Pumps <sup>(43 20)</sup>

**43 23 78 Controlled Volume Horizontal Reciprocating Pumps** <sup>(43 23)</sup>

**43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps** <sup>(43 23 78)</sup>

43 23 78 31-0001	Diaphragm Pump <sup>(43 23 78 31)</sup>		
43 23 78 31-0002	EA 28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI .....	3,374.80	

43 24 Suspended Liquid Pumps <sup>(43 20)</sup>

**43 24 41 Archimedes Screw Pumps** <sup>(43 24)</sup>

**43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps** <sup>(43 24 41)</sup>

43 24 41 23-0001	Positive Displacement Pump <sup>(43 24 41 23)</sup>		
43 24 41 23-0002	EA 25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing .....	2,783.24	

43 40 Gas and Liquid Storage <sup>(43)</sup>

43 42 Pressurized Tanks And Vessels <sup>(43 40)</sup>

**43 42 41 Metallic Specialty Pressure Tanks** <sup>(43 42)</sup>

43 42 41 00-0001	L.P.G. Tanks With Regulator And Safety Controls <sup>(43 42 41)</sup>		
43 42 41 00-0002	EA 250 Gallon Aboveground LP Gas Storage Tank .....	1,529.82	116.21
43 42 41 00-0003	EA 500 Gallon Aboveground LP Gas Storage Tank .....	2,814.85	174.31
43 42 41 00-0004	EA 1,000 Gallon Aboveground LP Gas Storage Tank .....	4,006.93	185.94

**END OF SECTION 43**

**43 Process Gas and Liquid Handling, Purification, and Storage Equipment**

HUMBOLDT STATE UNIVERSITY

**43 40 Gas and Liquid Storage**

43 42 Pressurized Tanks And Vessels

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**THIS PAGE INTENTIONALLY LEFT BLANK**

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